

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060159.D
 Acq On : 19 Feb 2020 17:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:41 AM

Quant Time: Feb 20 03:19:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	111058	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	
35) Dibromofluoromethane	7.57	113	88817	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	
50) Toluene-d8	10.08	98	346297	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	130936	49.51	ug/l	0.00
Spiked Amount						
			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	89273	48.770	ug/l	100
3) Chloromethane	2.04	50	103300	47.421	ug/l	98
4) Vinyl Chloride	2.17	62	122302	49.256	ug/l	99
5) Bromomethane	2.54	94	74513	48.942	ug/l	96
6) Chloroethane	2.68	64	61620	49.066	ug/l	97
7) Trichlorofluoromethane	3.00	101	153858	48.061	ug/l	100
8) Diethyl Ether	3.38	74	54577	51.216	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85536	48.126	ug/l	99
10) Methyl Iodide	3.93	142	123806	51.741	ug/l	99
11) Tert butyl alcohol	4.73	59	88819	266.351	ug/l	100
12) 1,1-Dichloroethene	3.72	96	84772	48.961	ug/l	99
13) Acrolein	3.58	56	95965	291.146	ug/l	96
14) Allyl chloride	4.29	41	122996	48.264	ug/l	98
15) Acrylonitrile	4.94	53	222859	273.659	ug/l	100
16) Acetone	3.78	43	198052	203.756	ug/l	100
17) Carbon Disulfide	4.03	76	239425	45.877	ug/l	99
18) Methyl Acetate	4.29	43	100496	55.039	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	288719	49.585	ug/l	99
20) Methylene Chloride	4.52	84	95447	49.219	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	91483	48.471	ug/l	99
22) Diisopropyl ether	5.92	45	284145	50.876	ug/l	95
23) Vinyl Acetate	5.86	43	1222907	260.740	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168520	49.809	ug/l	99
25) 2-Butanone	6.80	43	300388	245.722	ug/l	96
26) 2,2-Dichloropropane	6.80	77	154478	48.071	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	107980	48.886	ug/l	100
28) Bromochloromethane	7.17	49	65586	49.308	ug/l	98
29) Tetrahydrofuran	7.18	42	197321	263.108	ug/l	99
30) Chloroform	7.35	83	176960	49.930	ug/l	98
31) Cyclohexane	7.63	56	149917	47.567	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	161300	49.803	ug/l	100
36) 1,1-Dichloropropene	7.77	75	130712	47.468	ug/l	99
37) Ethyl Acetate	6.90	43	126164	50.695	ug/l	99
38) Carbon Tetrachloride	7.75	117	141356	47.267	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	159122	46.551	ug/l	98
40) Benzene	8.02	78	388871	47.607	ug/l	99
41) Methacrylonitrile	7.15	41	56912m	54.530	ug/l	
42) 1,2-Dichloroethane	8.10	62	141097	49.285	ug/l	99
43) Isopropyl Acetate	8.14	43	217762	51.187	ug/l	98
44) Trichloroethene	8.82	130	104268	46.100	ug/l	95
45) 1,2-Dichloropropane	9.10	63	101546	50.213	ug/l	99
46) Dibromomethane	9.19	93	69870	48.891	ug/l	98
47) Bromodichloromethane	9.39	83	141515	48.707	ug/l	98
48) Methyl methacrylate	9.18	41	97245	50.948	ug/l	99
49) 1,4-Dioxane	9.18	88	35018	1073.768	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	645838	262.279	ug/l	100
52) Toluene	10.14	92	255456	48.769	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	162828	49.649	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	169124	48.973	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	99520	48.700	ug/l	98
56) Ethyl methacrylate	10.42	69	150757	52.150	ug/l	100
57) 1,3-Dichloropropane	10.70	76	165929	49.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	348626	258.866	ug/l	99
59) 2-Hexanone	10.74	43	486924	255.987	ug/l	100
60) Dibromochloromethane	10.89	129	115587	49.290	ug/l	98
61) 1,2-Dibromoethane	10.99	107	106015	49.489	ug/l	97
64) Tetrachloroethene	10.62	164	91932	43.156	ug/l	99
65) Chlorobenzene	11.43	112	273912	47.978	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105541	48.867	ug/l	99
67) Ethyl Benzene	11.50	91	498281	48.391	ug/l	99
68) m/p-Xylenes	11.62	106	374023	96.782	ug/l	99
69) o-Xylene	11.94	106	181052	48.657	ug/l	99
70) Styrene	11.96	104	301562	50.257	ug/l	100
71) Bromoform	12.12	173	89449	51.493	ug/l #	98
73) Isopropylbenzene	12.24	105	494270	45.949	ug/l	99
74) N-amyl acetate	12.06	43	198076	51.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153480	49.570	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132578m	48.105	ug/l	
77) Bromobenzene	12.52	156	124302	46.563	ug/l	100
78) n-propylbenzene	12.59	91	568498	46.386	ug/l	100
79) 2-Chlorotoluene	12.67	91	331099	45.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	416696	46.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	55535	49.339	ug/l	98
82) 4-Chlorotoluene	12.77	91	343762	46.513	ug/l	100
83) tert-Butylbenzene	12.99	119	361565	45.699	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	417081	47.241	ug/l	100
85) sec-Butylbenzene	13.17	105	485009	46.287	ug/l	100
86) p-Isopropyltoluene	13.28	119	440630	46.413	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	223815	47.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	220457	46.663	ug/l	99
89) n-Butylbenzene	13.61	91	388367	46.510	ug/l	100
90) Hexachloroethane	13.87	117	82396	46.457	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	217558	47.045	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32770	49.773	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	130941	48.189	ug/l	100
94) Hexachlorobutadiene	15.01	225	69333	43.586	ug/l	100
95) Naphthalene	15.13	128	358781	48.880	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	126204	46.640	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

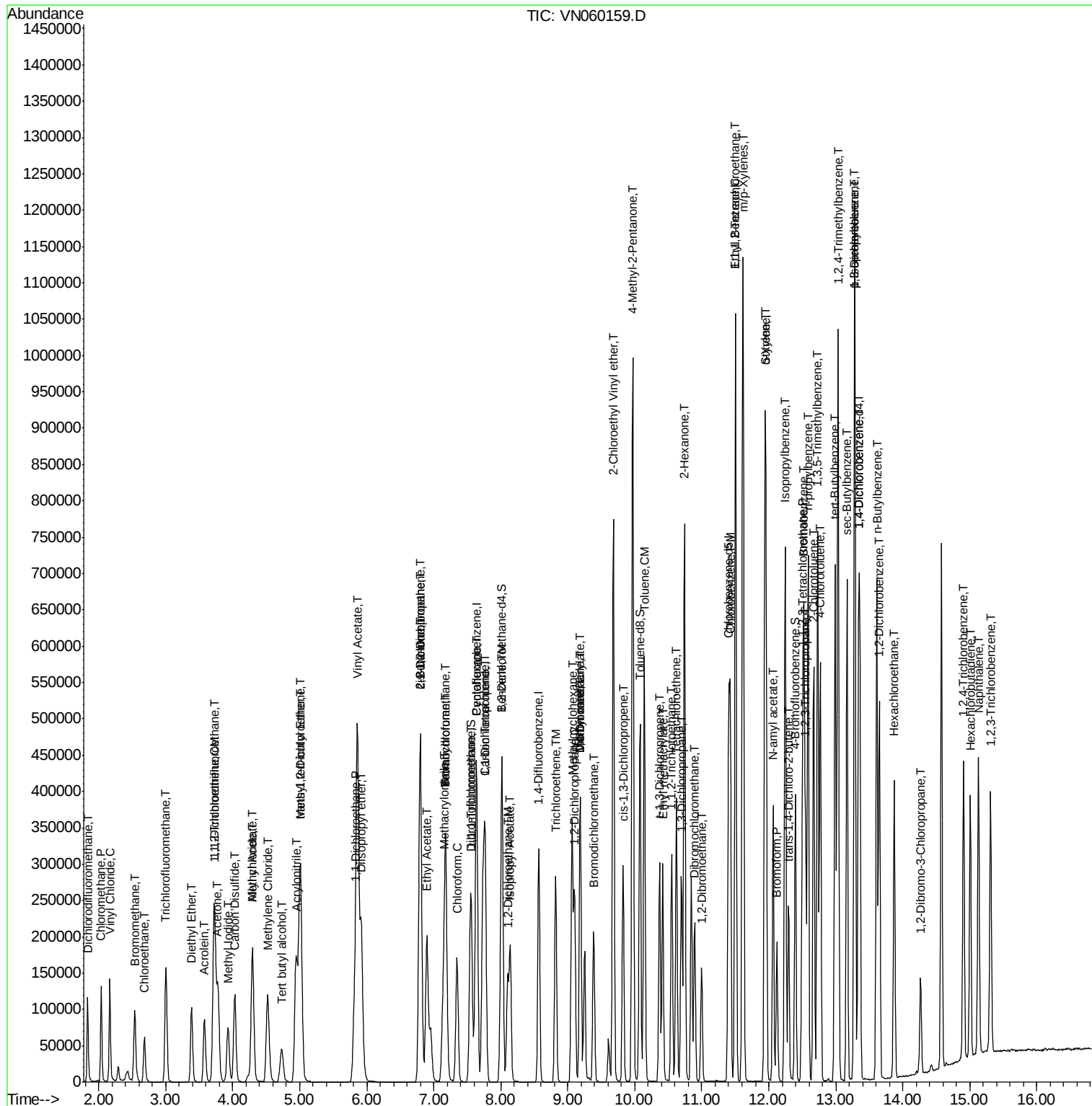
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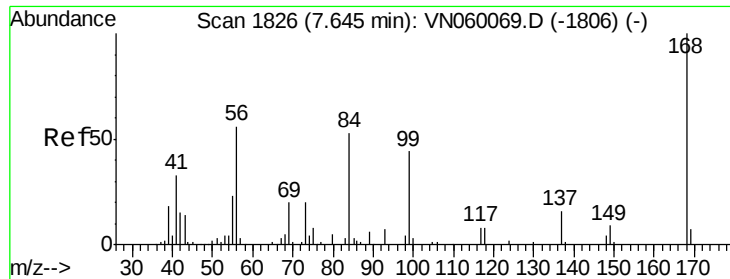
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183130

Ion Ratio Lower Upper

168 100

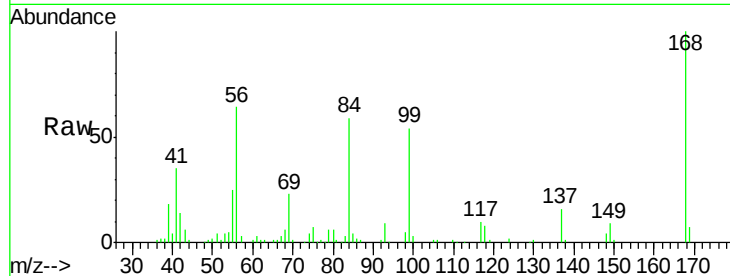
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Manual Integrations

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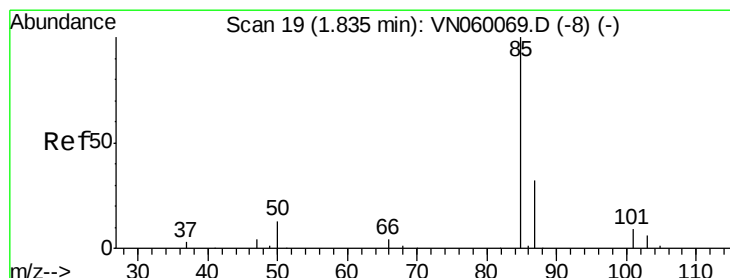
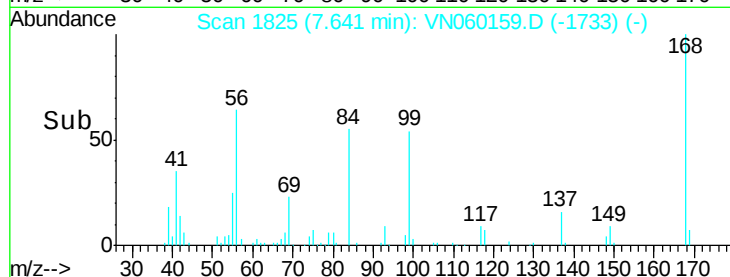
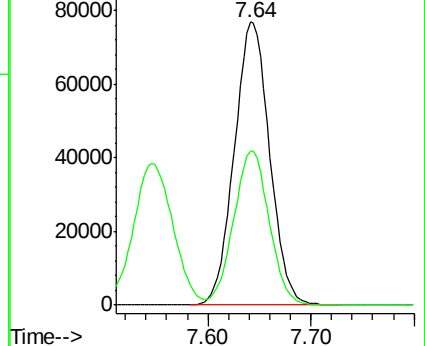
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 48.770 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060159.D

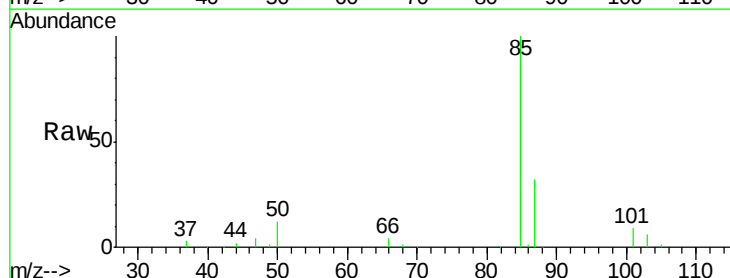
Acq: 19 Feb 2020 17:25

Tgt Ion: 85 Resp: 89273

Ion Ratio Lower Upper

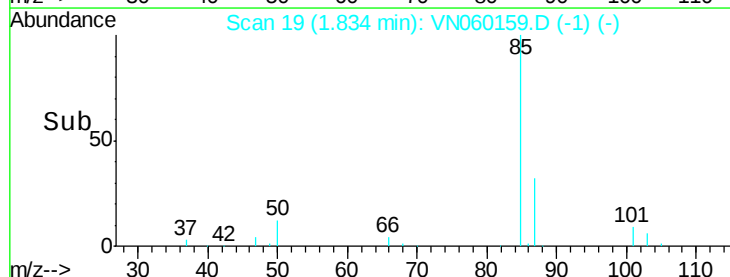
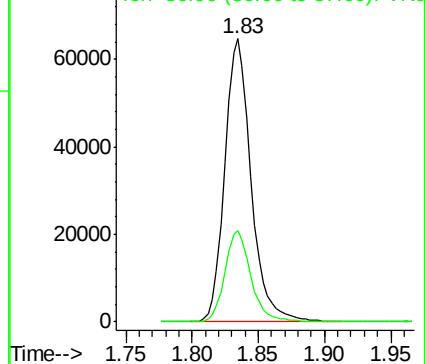
85 100

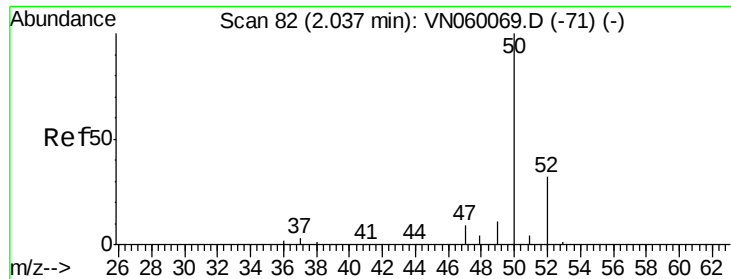
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 47.421 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103300

Ion Ratio Lower Upper

50 100

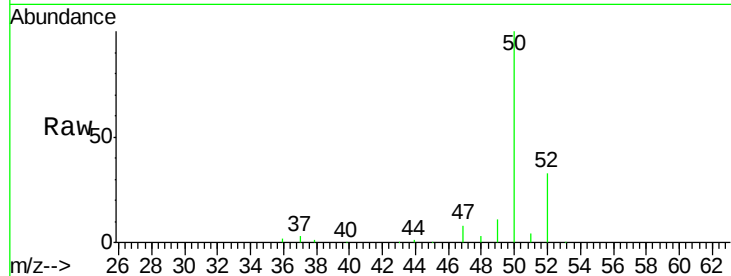
52 33.0 25.6 38.4

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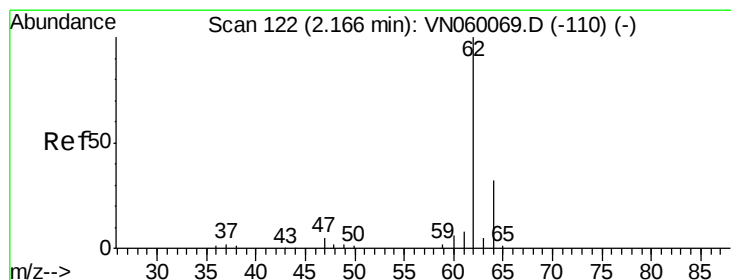
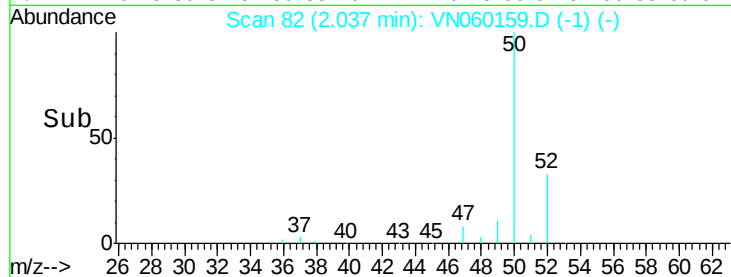
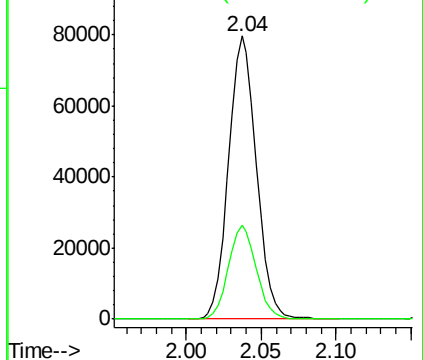
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.256 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060159.D

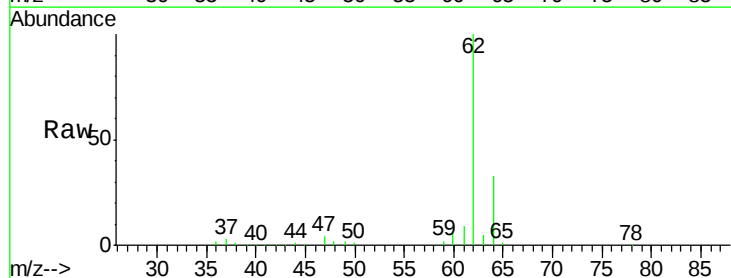
Acq: 19 Feb 2020 17:25

Tgt Ion: 62 Resp: 122302

Ion Ratio Lower Upper

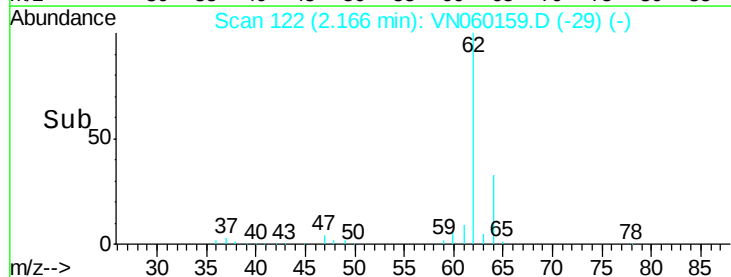
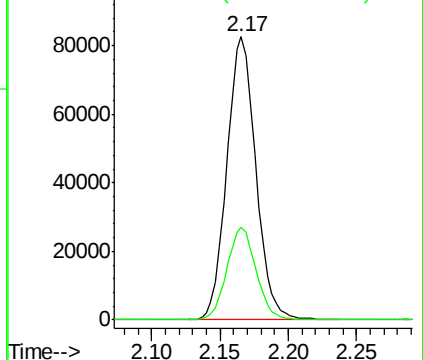
62 100

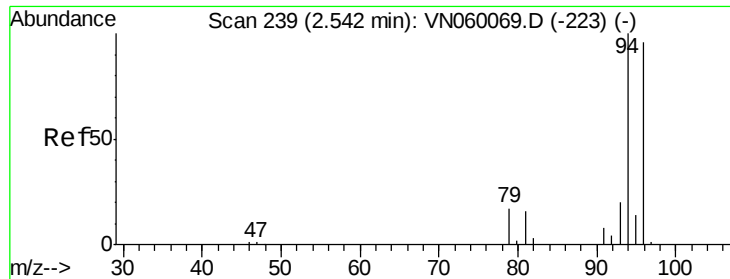
64 32.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.942 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

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Tot Ion: 94 Resp: 74513

Ion Ratio Lower Upper

94 100

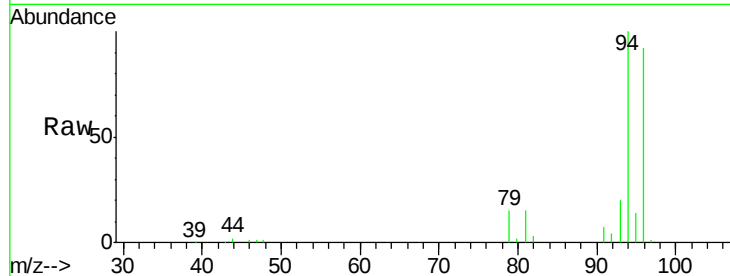
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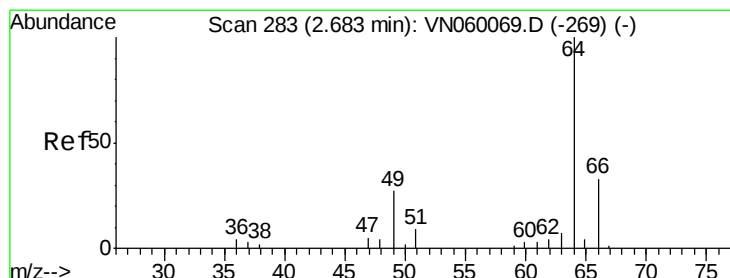
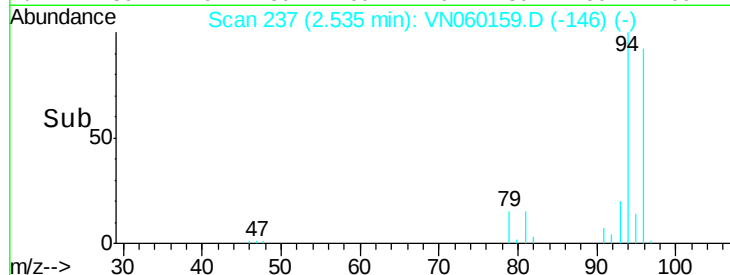
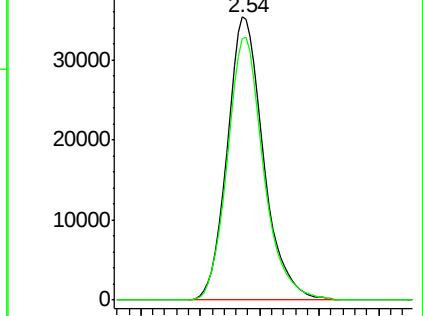
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.066 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060159.D

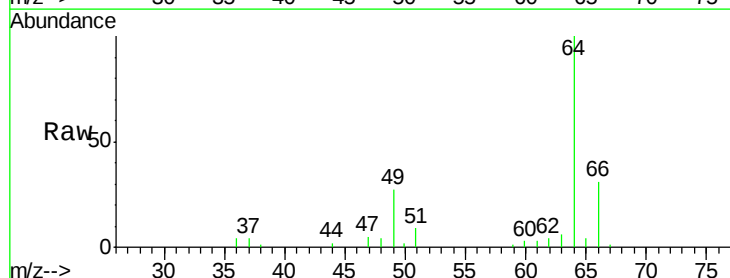
Acq: 19 Feb 2020 17:25

Tgt Ion: 64 Resp: 61620

Ion Ratio Lower Upper

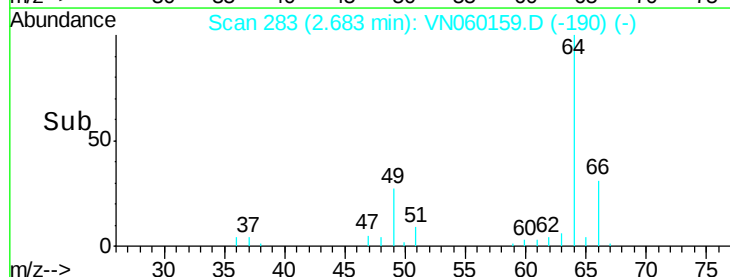
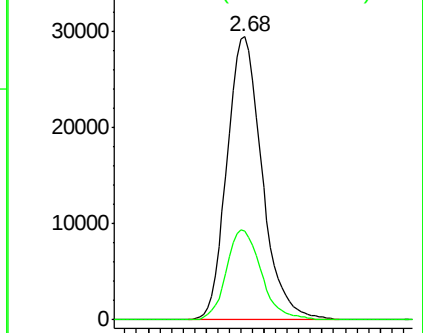
64 100

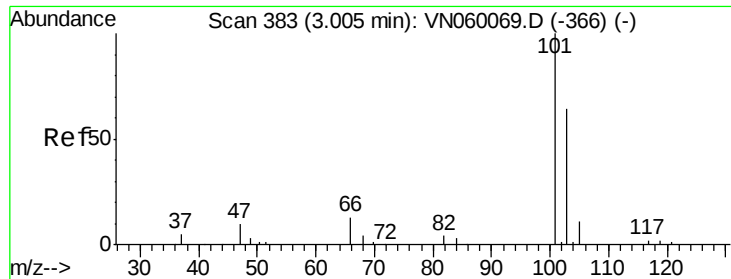
66 31.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

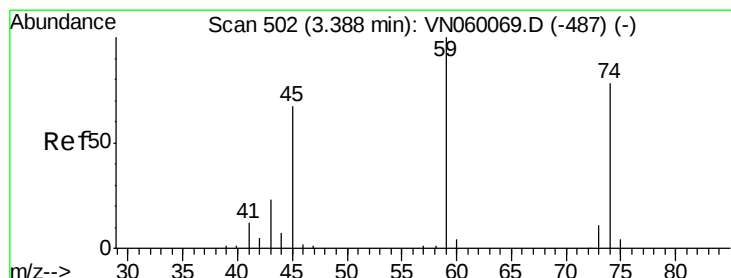
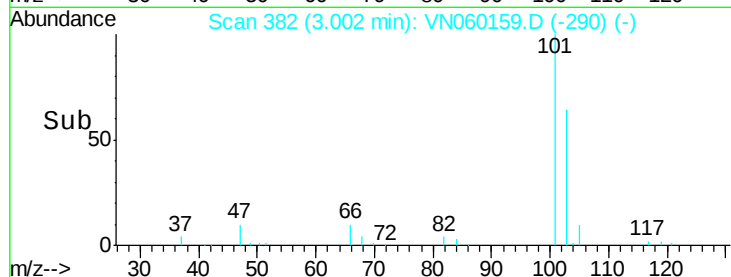
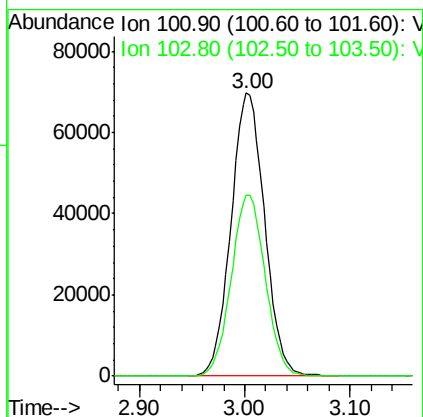
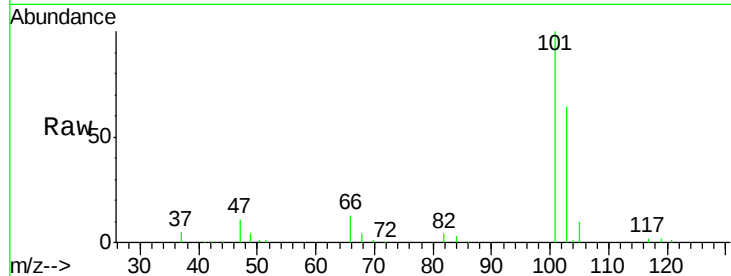
Trichlorofluoromethane
Concen: 48.061 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
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Instrument :
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Tot Ion: 101 Resp: 153858
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

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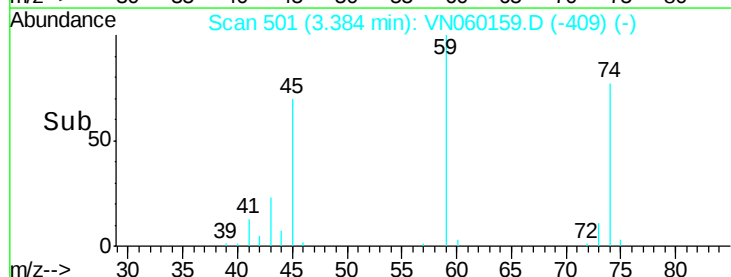
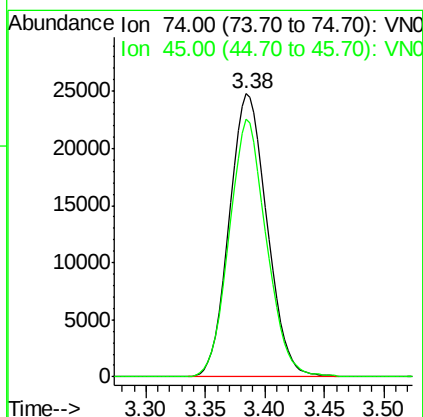
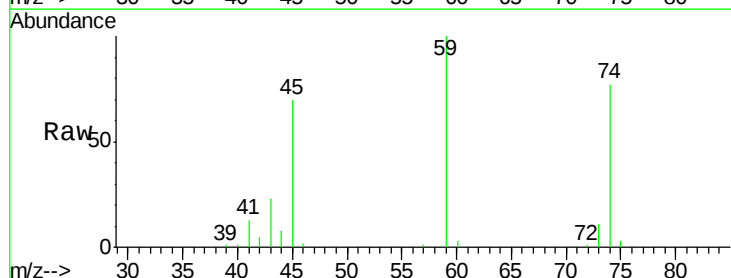
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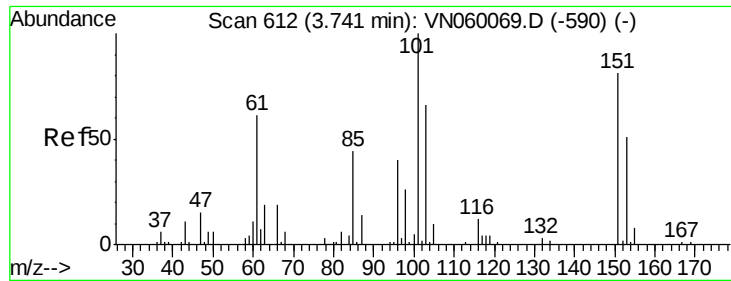


#8

Diethyl Ether
Concen: 51.216 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 74 Resp: 54577
Ion Ratio Lower Upper
74 100
45 89.7 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.126 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

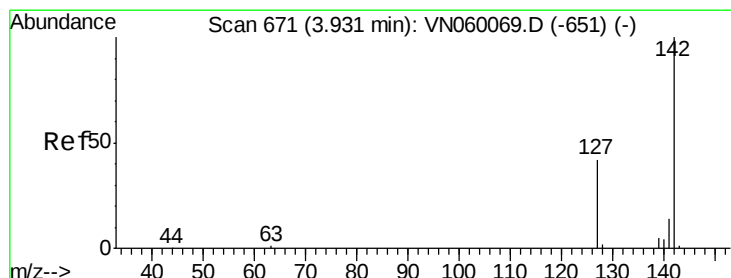
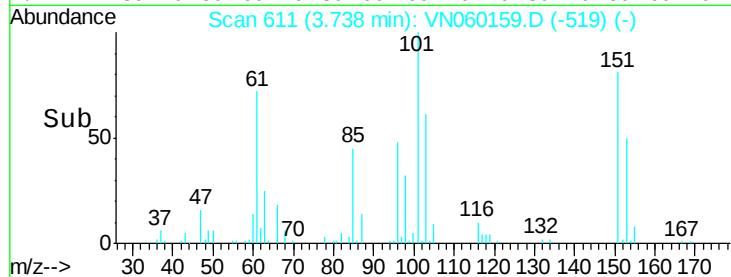
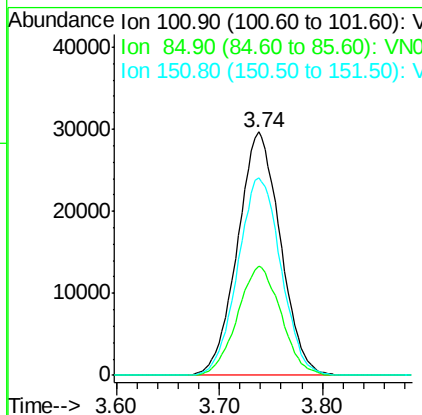
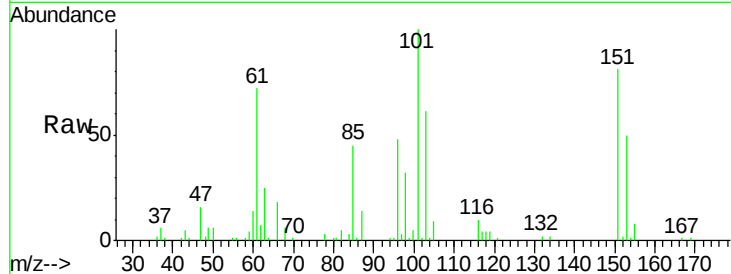
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	85536
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.1	52.7
151	81.8	65.8	98.6

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#10

Methyl Iodide

Concen: 51.741 ug/l

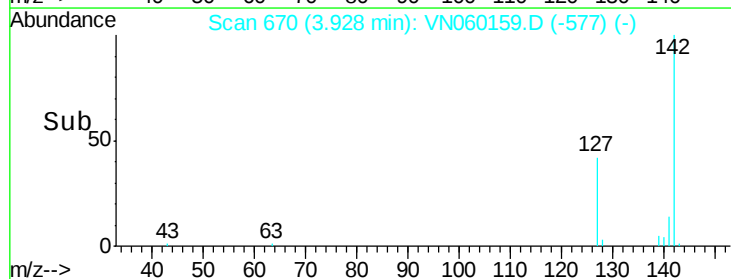
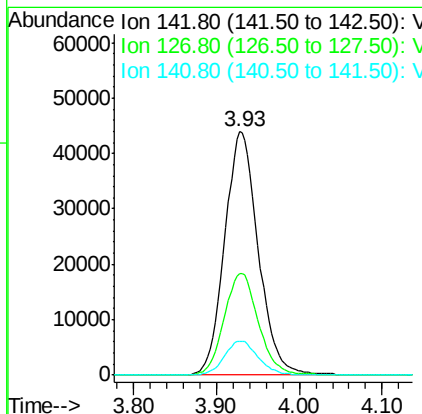
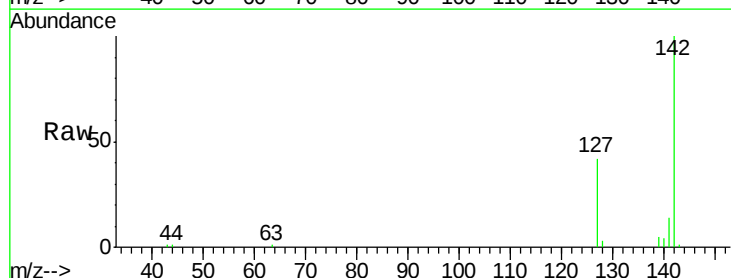
RT: 3.93 min Scan# 670

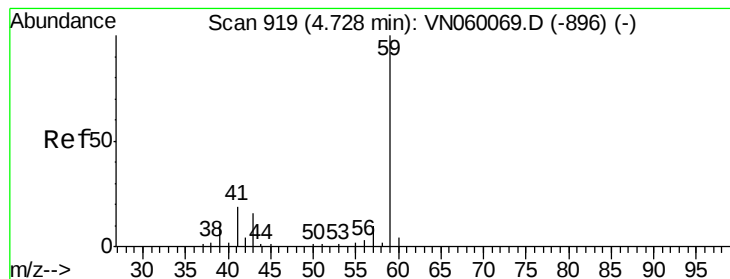
Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	142	Resp:	123806
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.6	50.4
141	14.1	11.4	17.2





#11

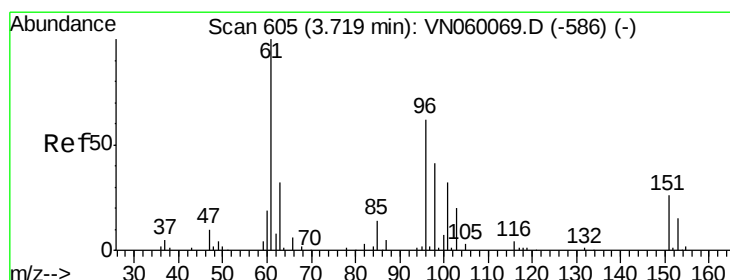
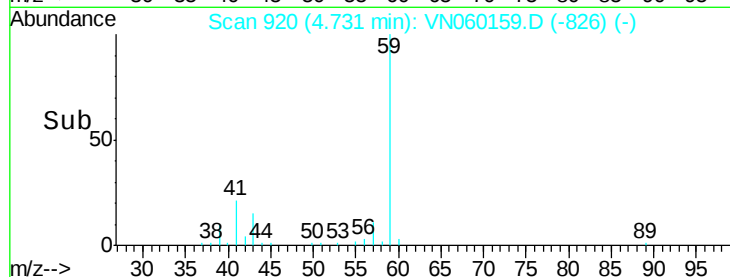
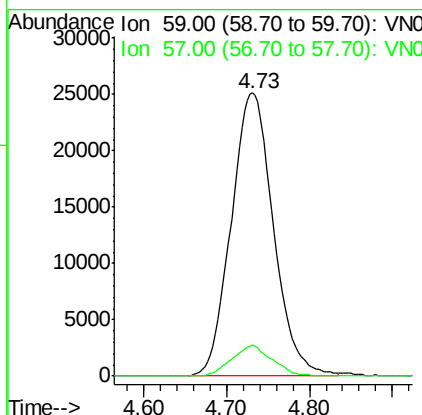
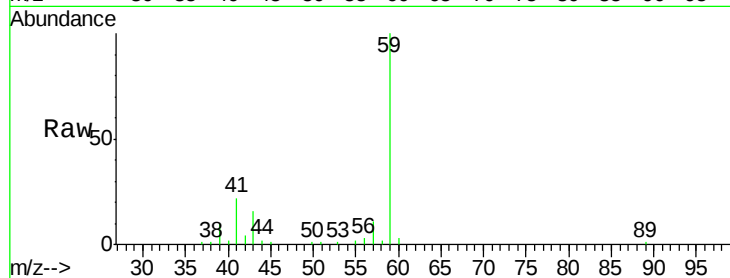
Tert butyl alcohol
 Concen: 266.351 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.4	Resp	88819	Lower	Upper
59	100								
57		10.4						8.2	12.4

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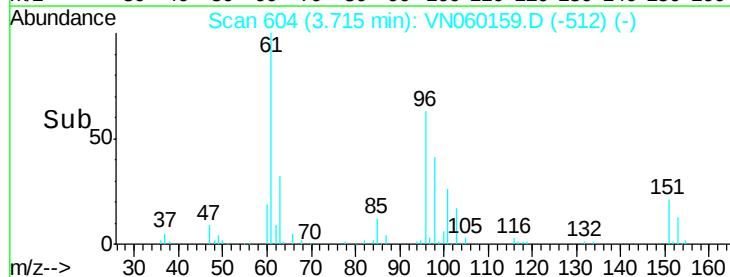
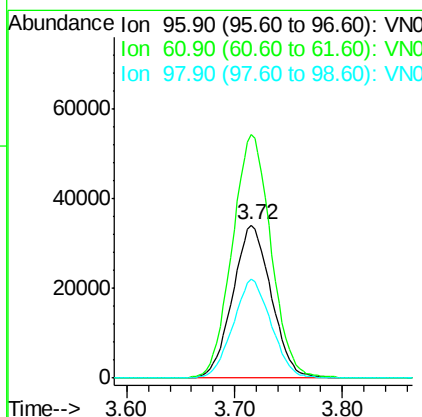
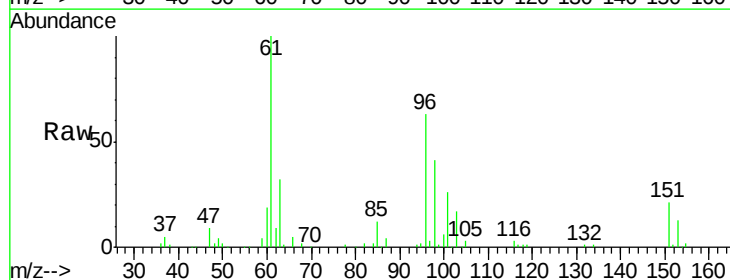
MMDadoda
 2/21/2020 11:48:41 AM

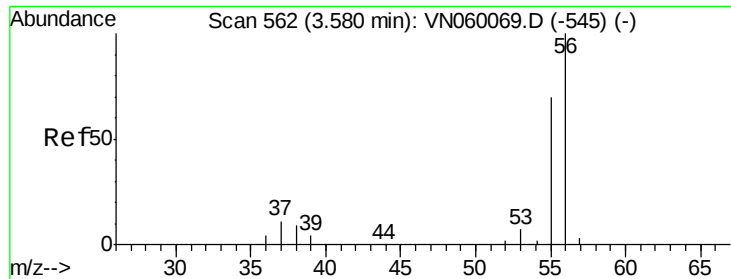


#12

1,1-Dichloroethene
 Concen: 48.961 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	96	61	98	Ratio	100	158.3	64.3	Resp	84772	Lower	Upper
96	100										
61		158.3								128.3	192.5
98		64.3								52.2	78.4





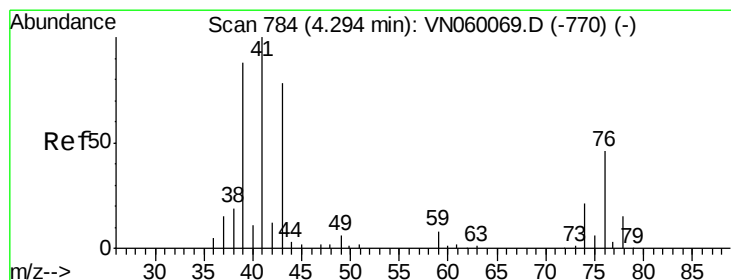
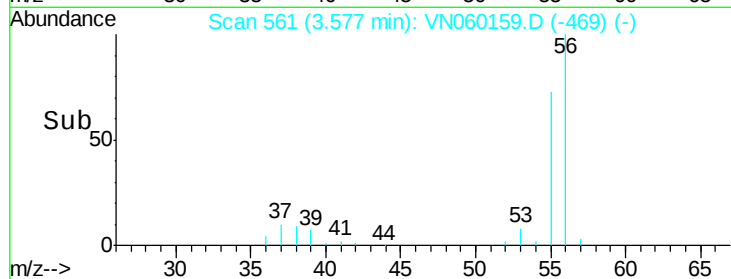
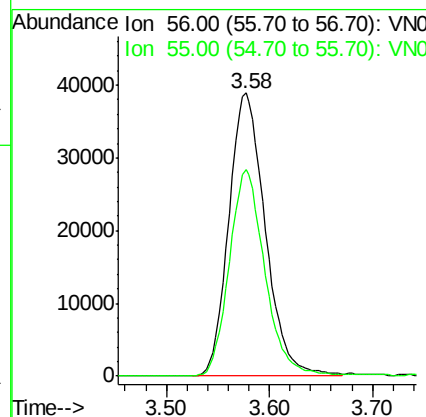
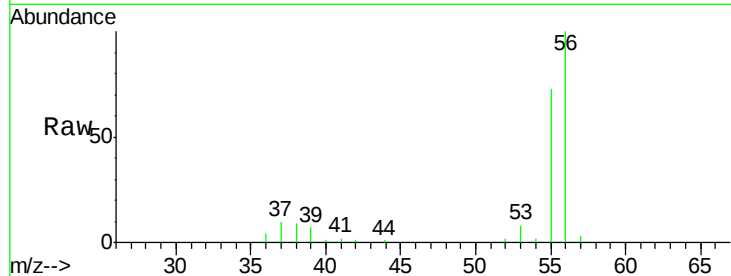
#13
 Acrolein
 Concen: 291.146 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	95965
Ion Ratio	100	Lower	Upper
56	100		
55	71.4	54.8	82.2

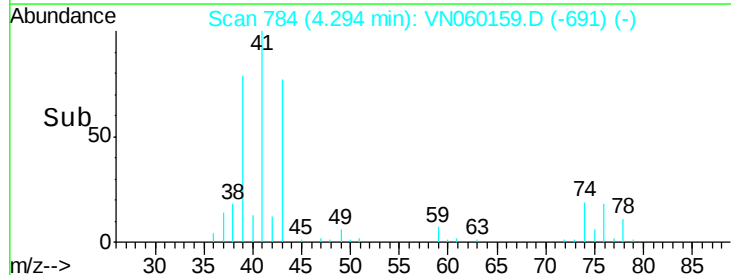
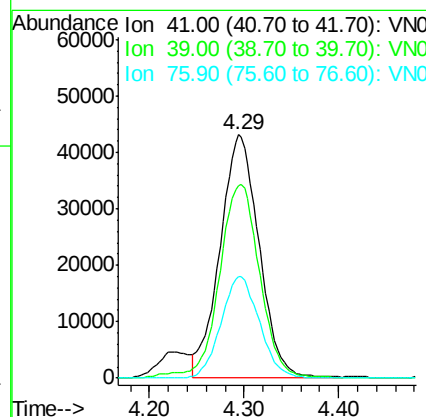
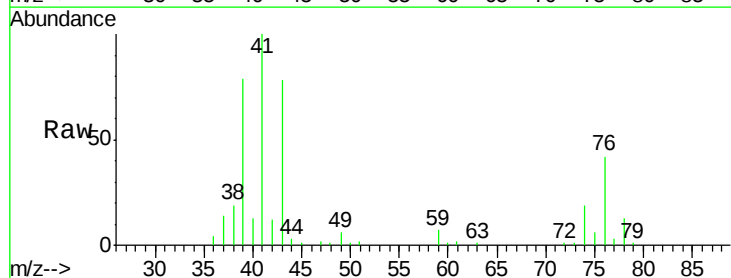
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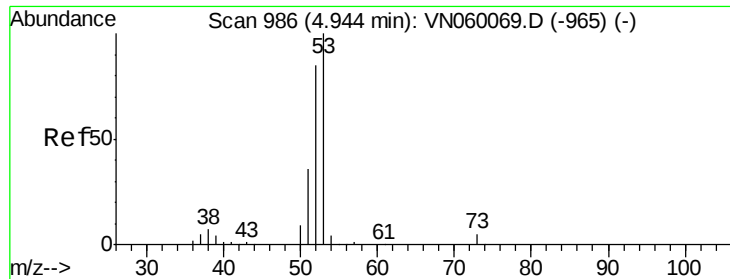
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 2/21/2020 11:48:41 AM



#14
 Allyl chloride
 Concen: 48.264 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	41	Resp	122996
Ion Ratio	100	Lower	Upper
41	100		
39	83.0	67.8	101.8
76	41.2	33.9	50.9





#15

Acrylonitrile

Concen: 273.659 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

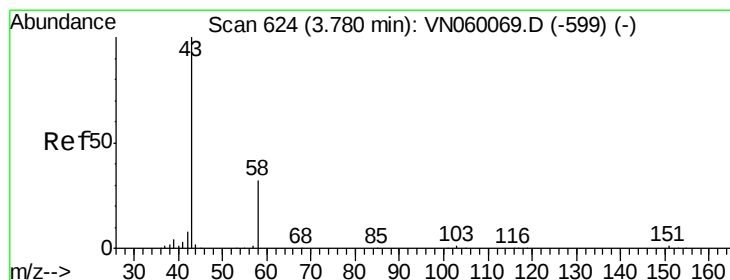
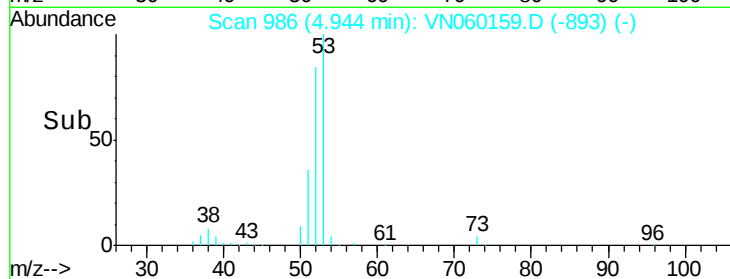
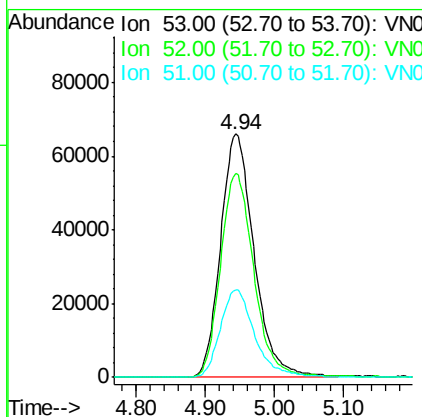
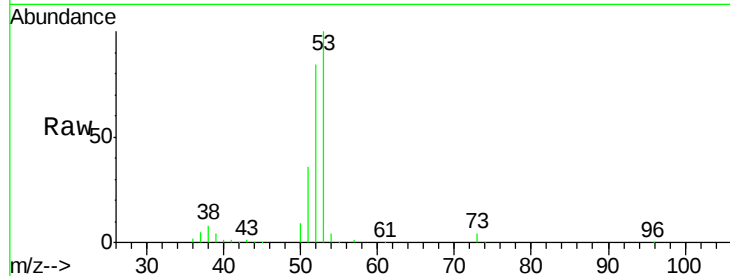
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	222859
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.8	100.2
51	36.8	29.4	44.0

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#16

Acetone

Concen: 203.756 ug/l

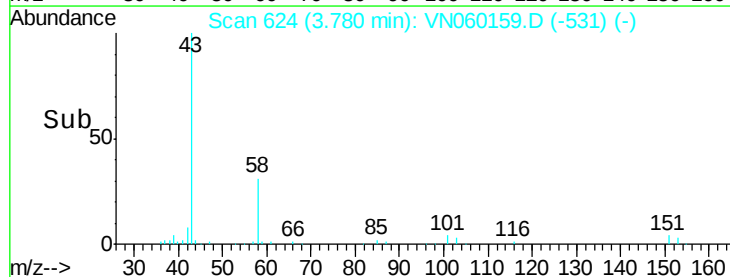
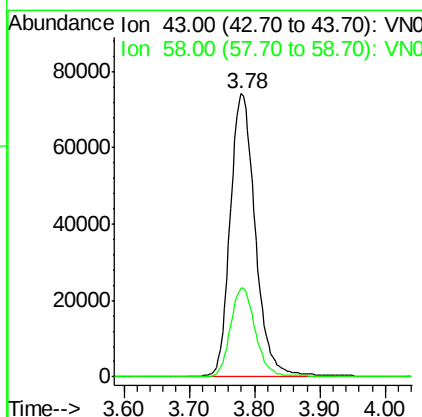
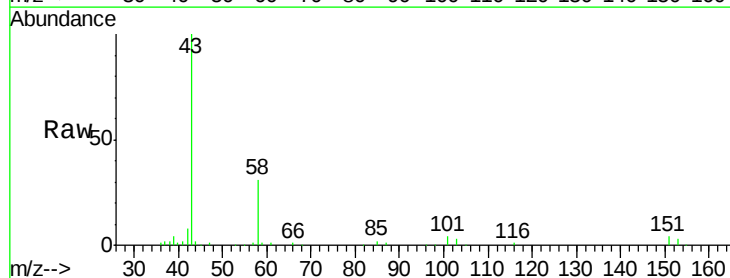
RT: 3.78 min Scan# 624

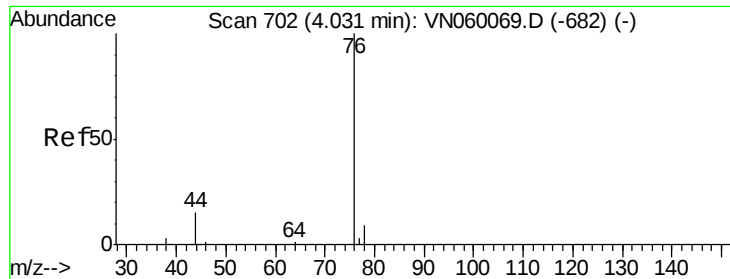
Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	43	Resp:	198052
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.2	37.8





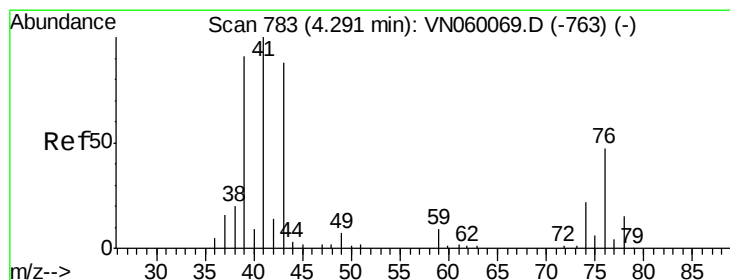
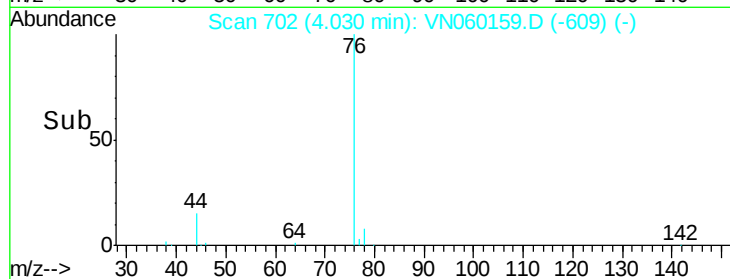
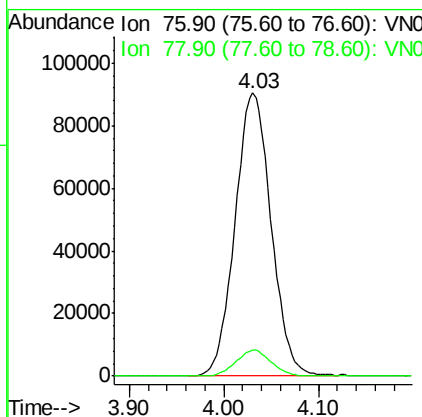
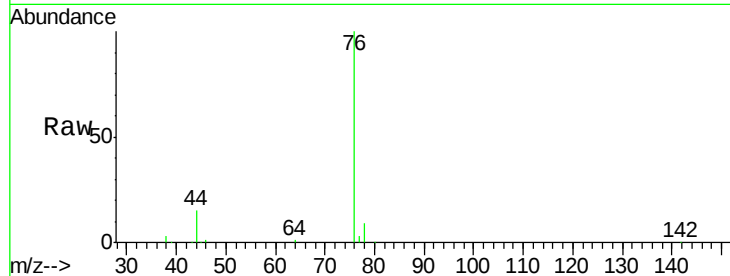
#17
Carbon Disulfide
Concen: 45.877 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

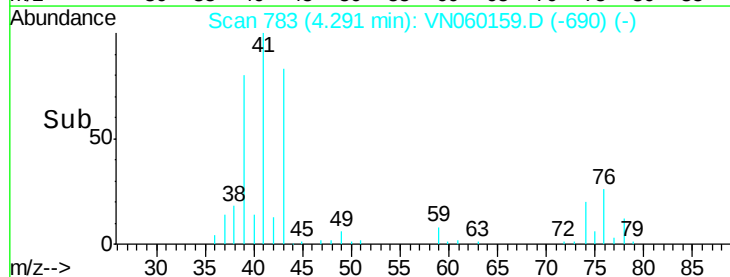
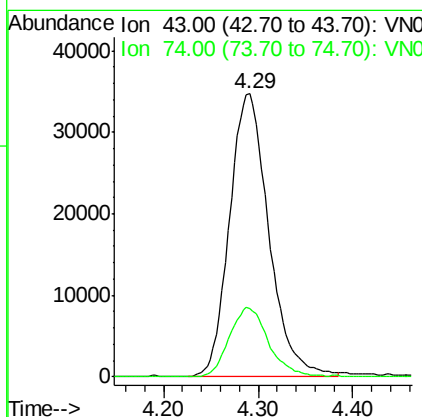
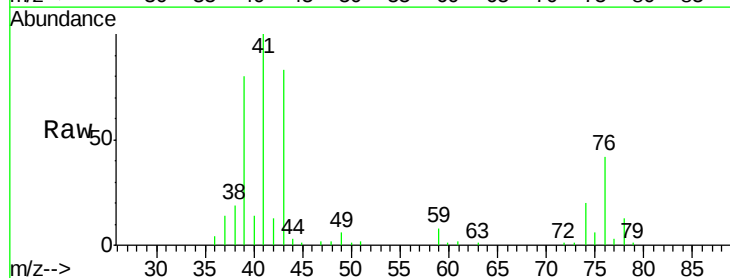
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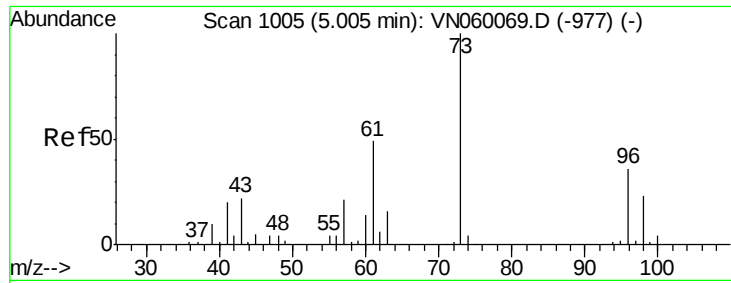
MMDadoda
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#18
Methyl Acetate
Concen: 55.039 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.3	30.5





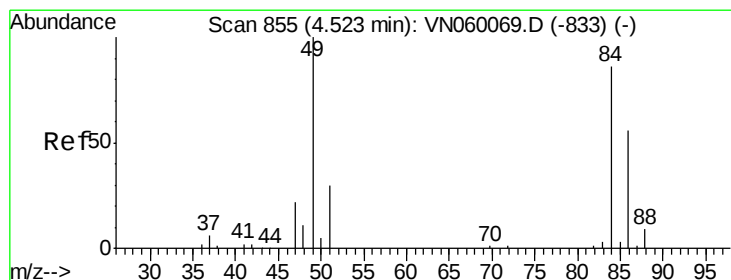
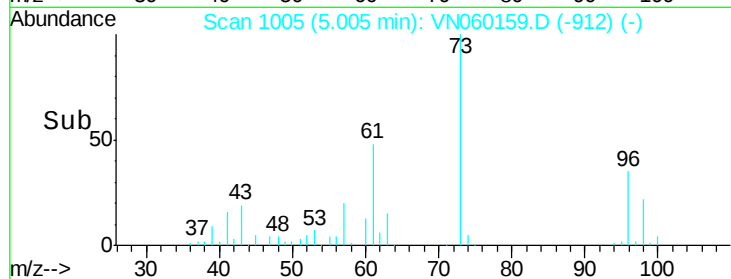
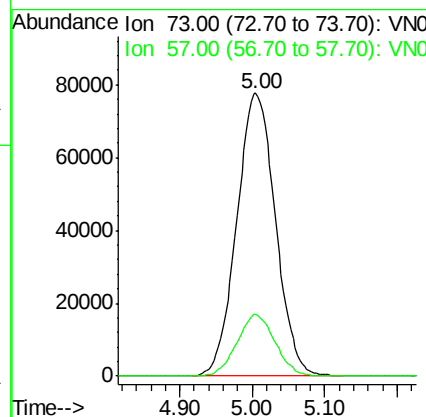
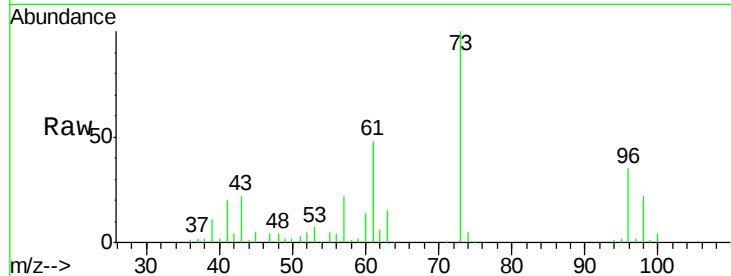
#19
Methvl tert-butvl Ether
Concen: 49.585 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 288719
Ion Ratio Lower Upper
73 100
57 21.8 17.2 25.8

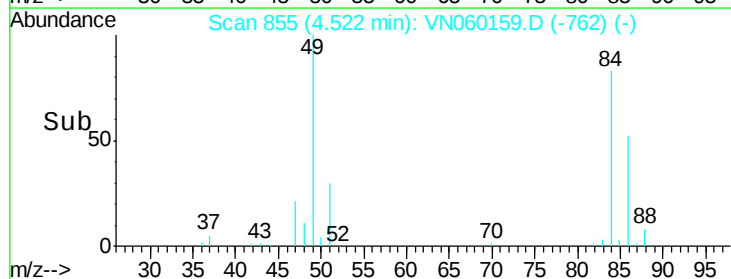
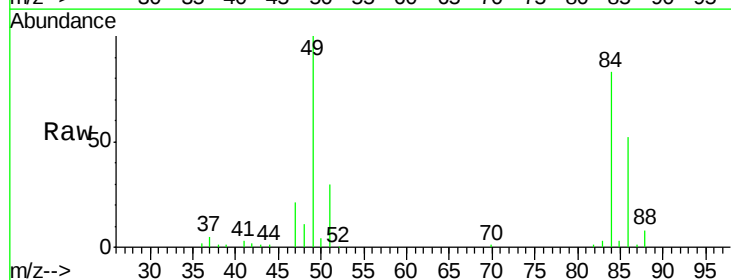
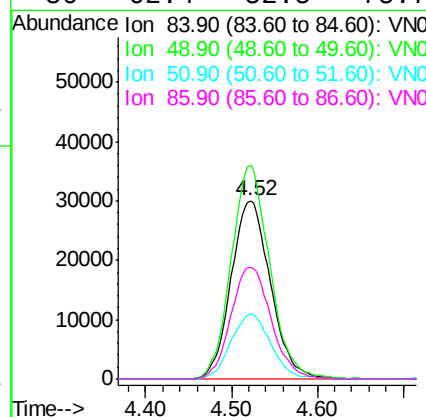
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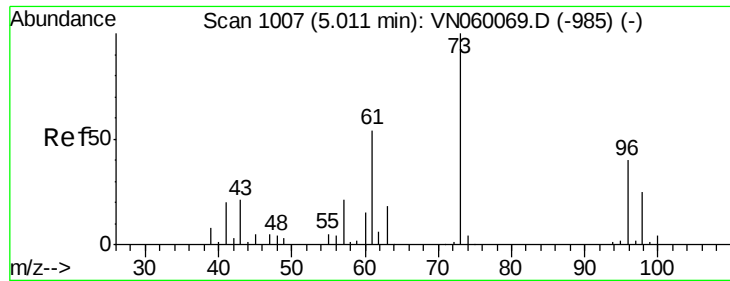
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#20
Methylene Chloride
Concen: 49.219 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 84 Resp: 95447
Ion Ratio Lower Upper
84 100
49 119.8 93.4 140.0
51 36.3 28.4 42.6
86 62.4 52.5 78.7





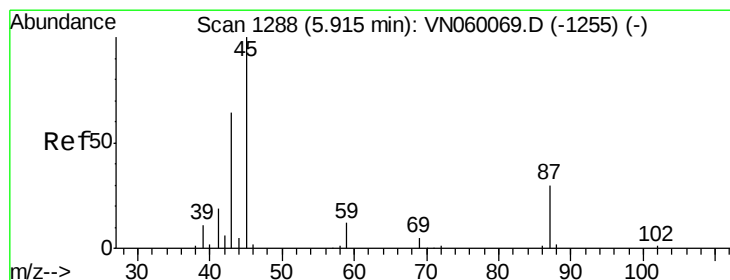
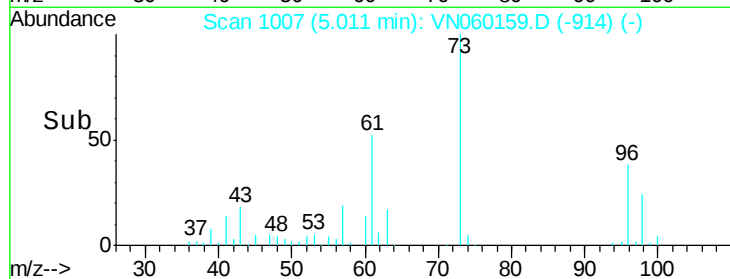
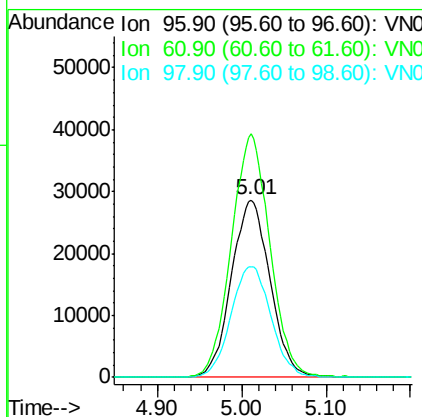
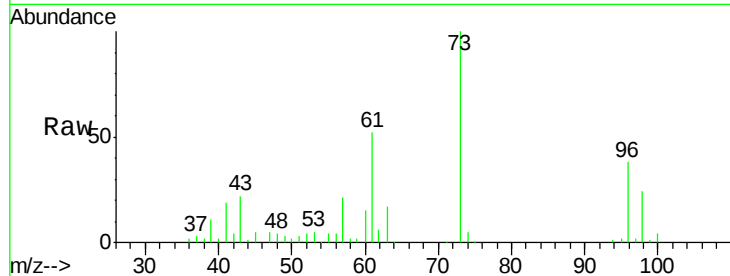
#21
trans-1,2-Dichloroethene
Concen: 48.471 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.3	163.9
98	62.6	51.0	76.6

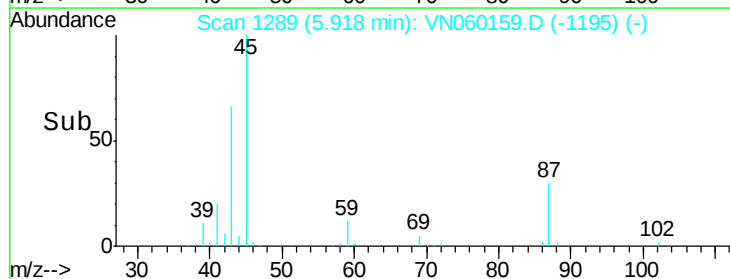
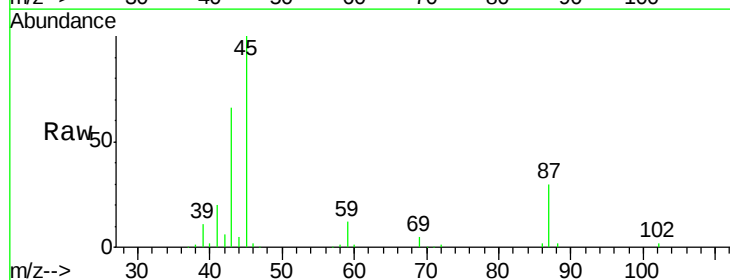
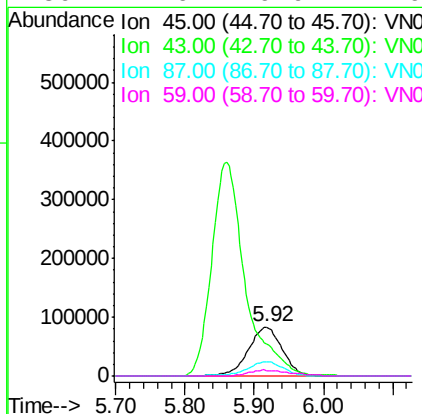
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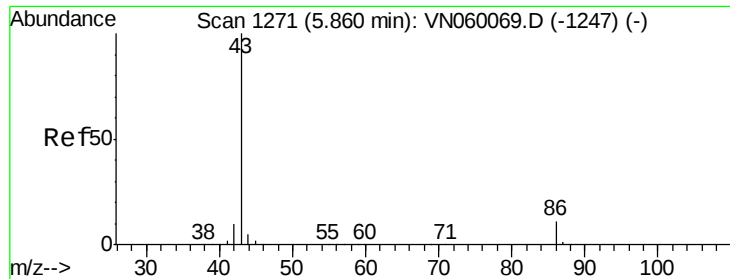
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#22
Diisopropyl ether
Concen: 50.876 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	55.9	83.9
87	30.0	24.5	36.7
59	11.6	9.9	14.9





#23

Vinyl Acetate

Concen: 260.740 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1222907

Ion Ratio Lower Upper

43 100

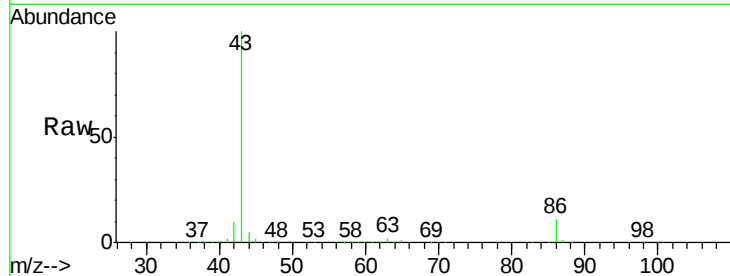
86 10.8 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

400000

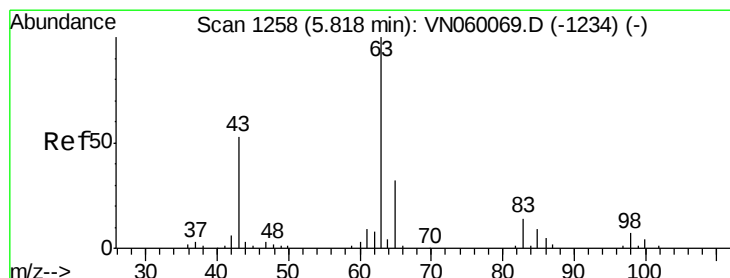
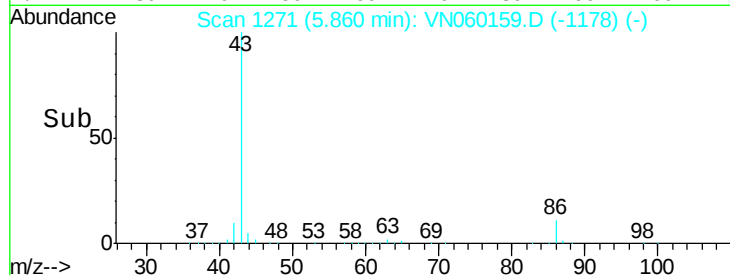
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.809 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

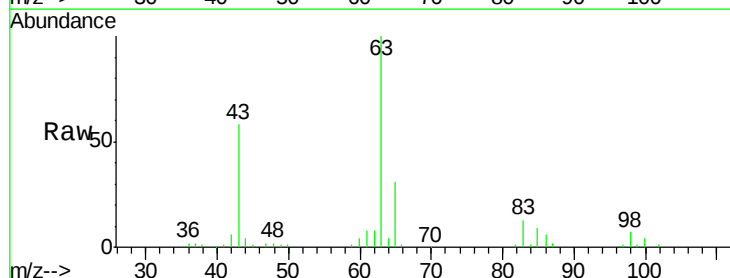
Tgt Ion: 63 Resp: 168520

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

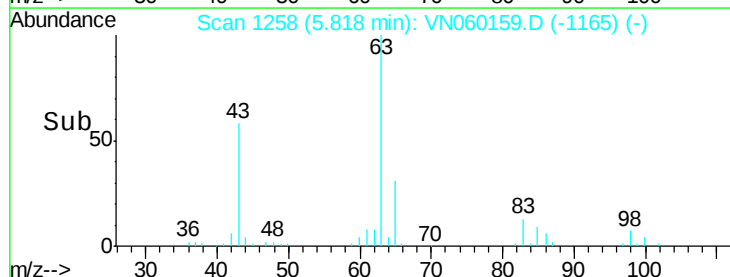
60000

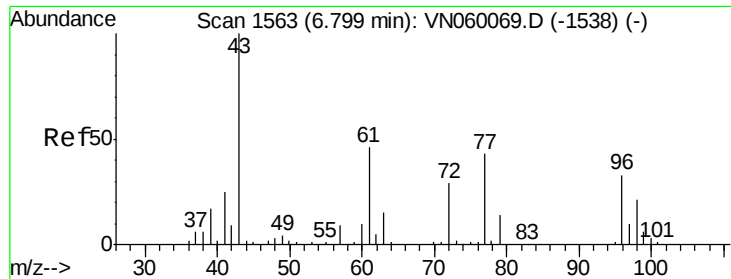
40000

20000

0

Time-->





#25

2-Butanone

Concen: 245.722 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 300388

Ion Ratio Lower Upper

43 100

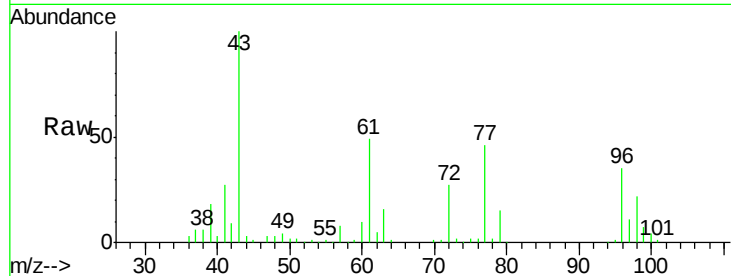
72 27.2 23.3 34.9

Manual Integrations

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MMDadoda

2/21/2020 11:48:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

120000

100000

80000

60000

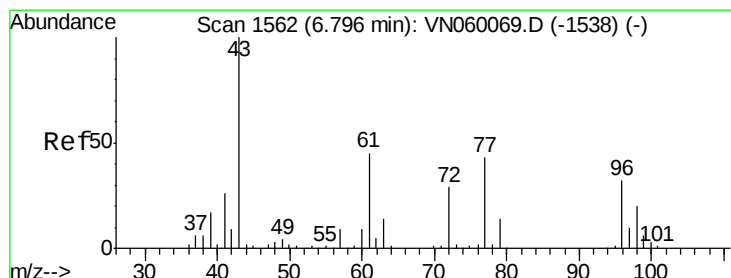
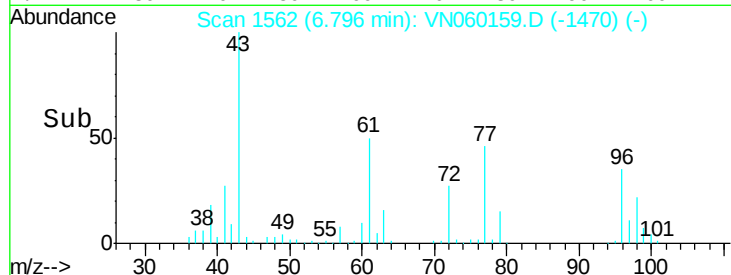
40000

20000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 48.071 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060159.D

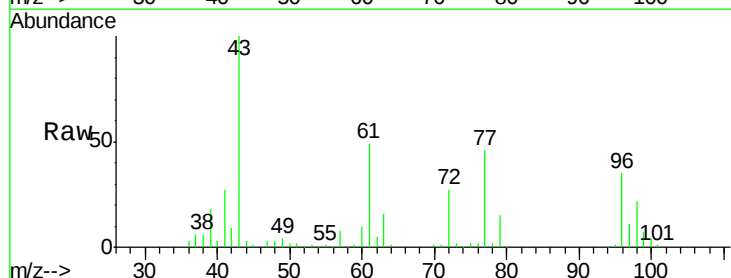
Acq: 19 Feb 2020 17:25

Tgt Ion: 77 Resp: 154478

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

50000

40000

30000

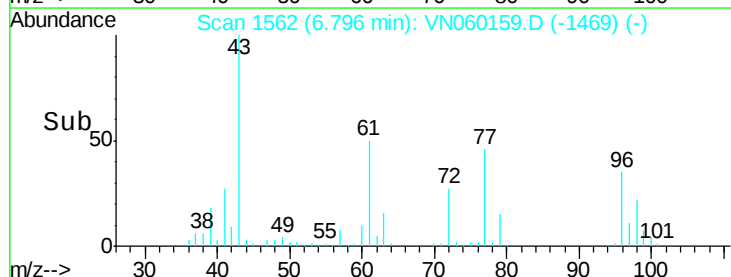
20000

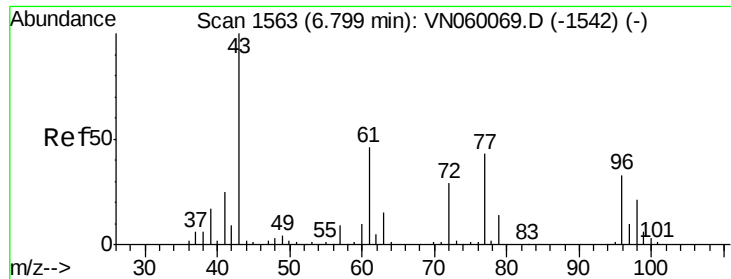
10000

0

6.70 6.80 6.90

Time-->





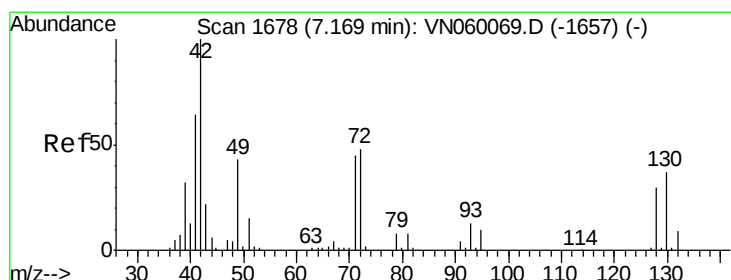
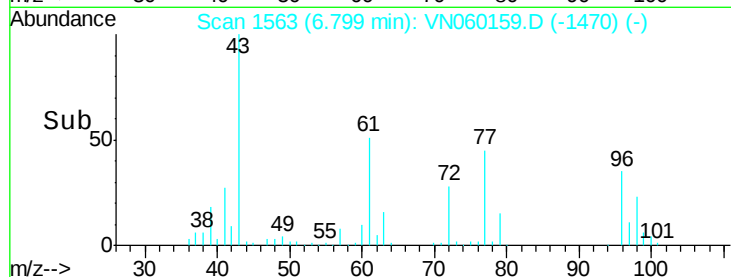
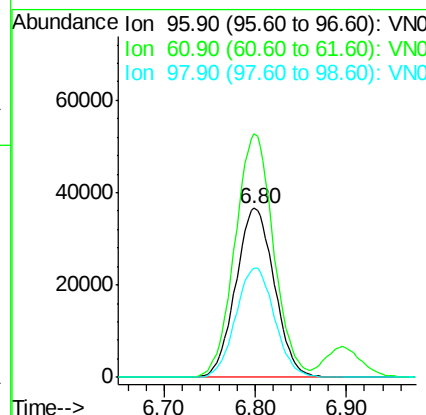
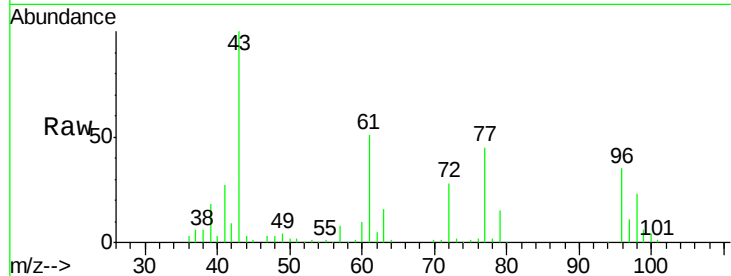
#27
 cis-1,2-Dichloroethene
 Concen: 48.886 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107980		
61	143.4	0.0	285.8	
98	64.7	0.0	129.6	

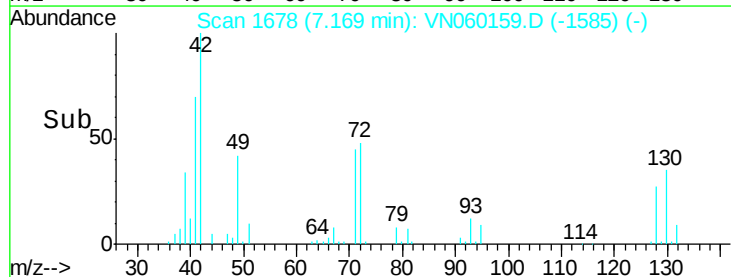
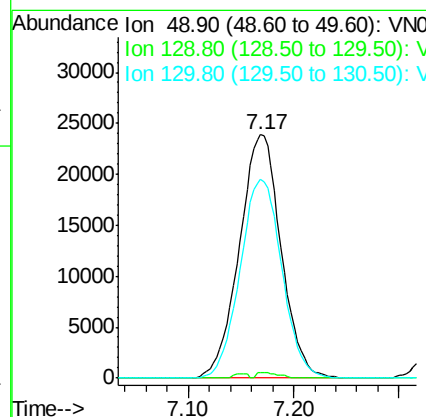
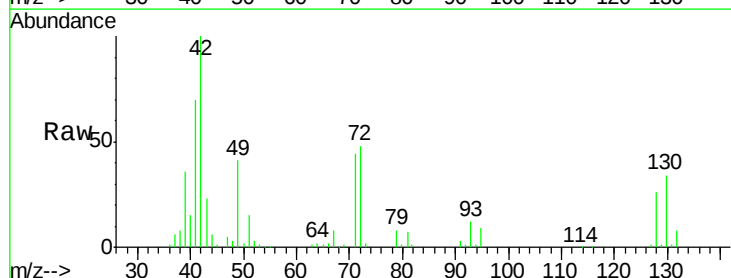
Manual Integrations
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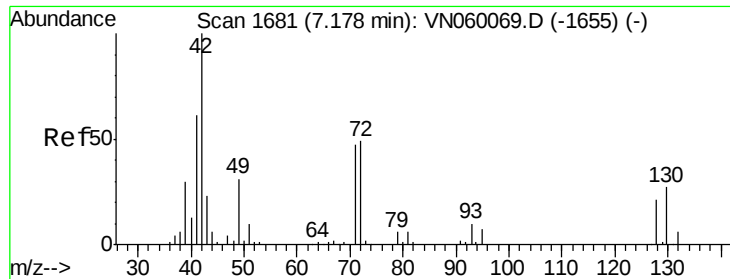
MMDadoda
 2/21/2020 11:48:41 AM



#28
 Bromochloromethane
 Concen: 49.308 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65586		
129	1.2	0.0	2.2	
130	81.7	66.8	100.2	





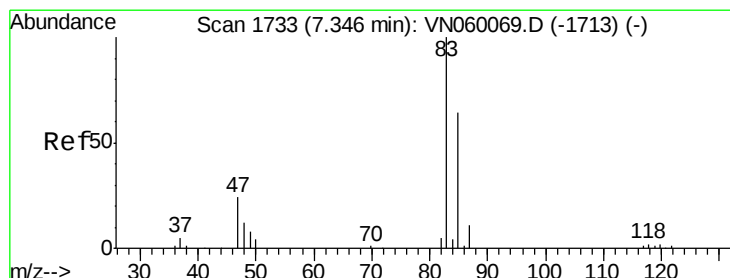
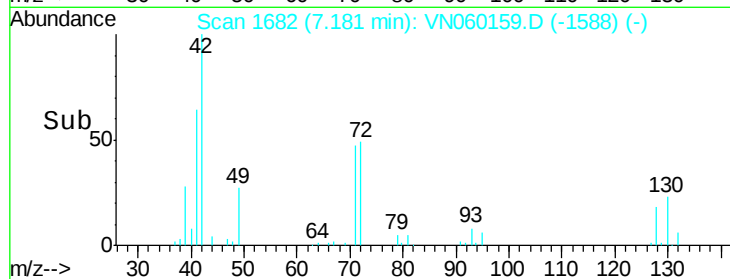
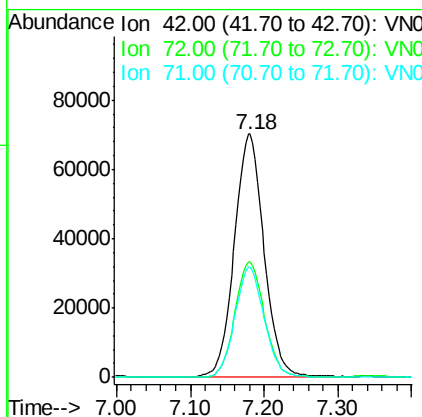
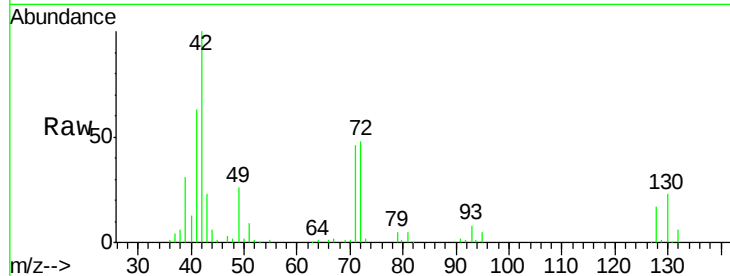
#29
Tetrahydrofuran
Concen: 263.108 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.2	57.4
71	44.7	36.6	54.8

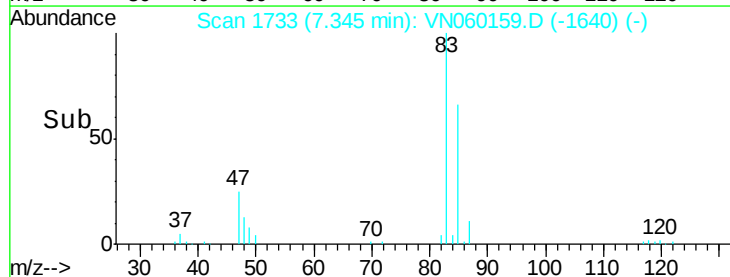
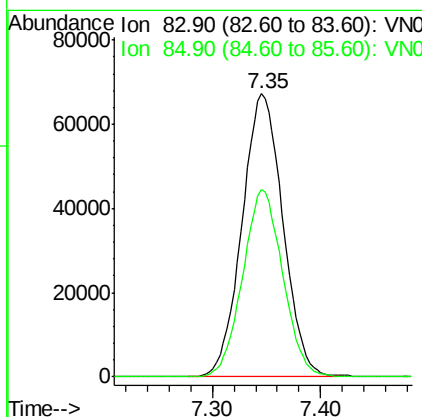
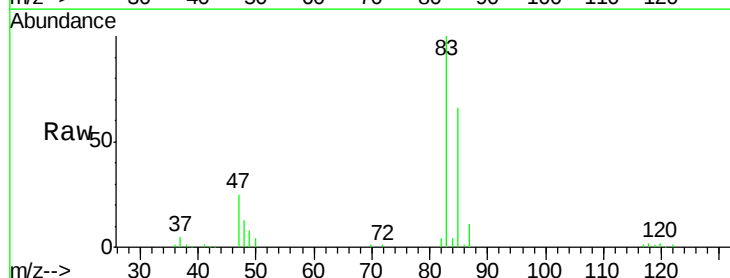
Manual Integrations
APPROVED

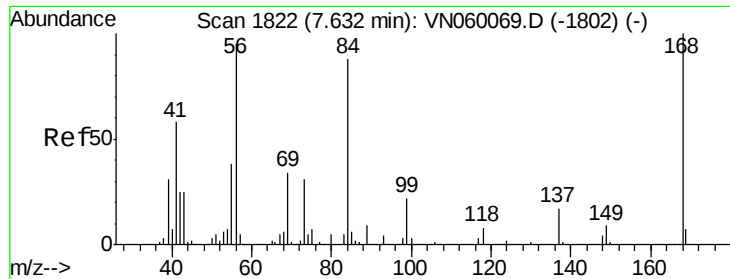
MMDadoda
2/21/2020 11:48:41 AM



#30
Chloroform
Concen: 49.930 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.4	77.0





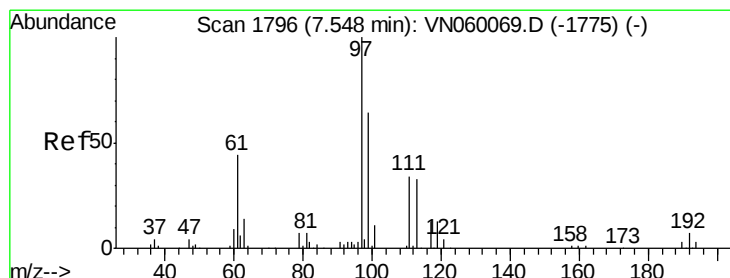
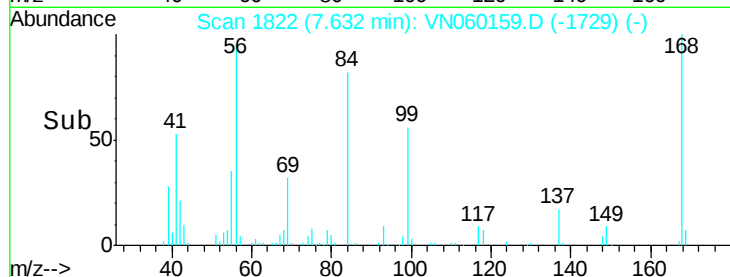
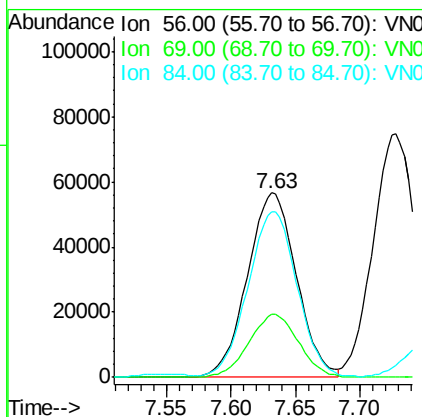
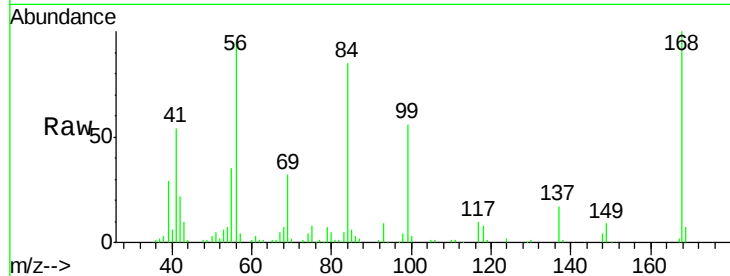
#31
Cyclohexane
Concen: 47.567 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	28.3	42.5
84	88.7	72.6	108.8

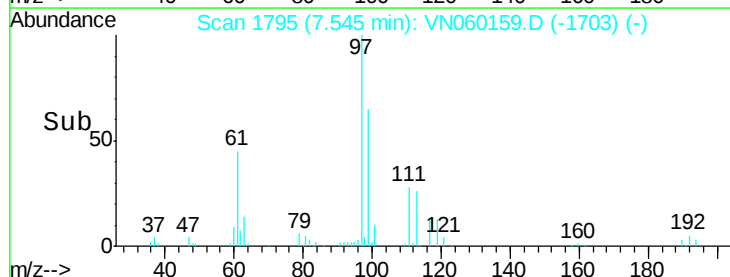
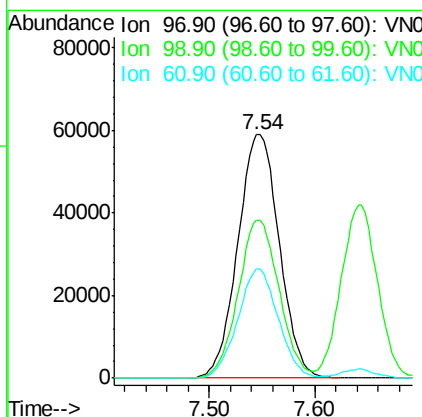
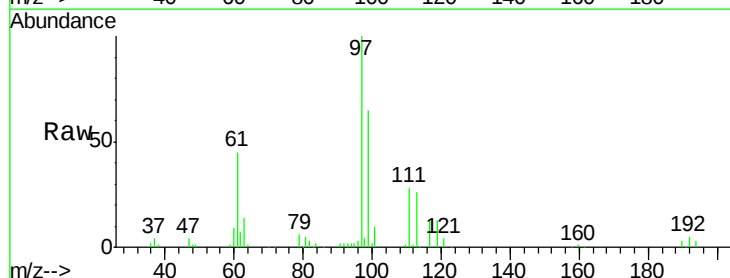
Manual Integrations
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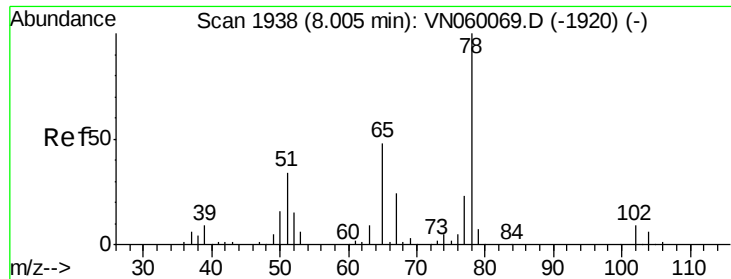
MMDadoda
2/21/2020 11:48:41 AM



#32
1,1,1-Trichloroethane
Concen: 49.803 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	43.7	34.9	52.3





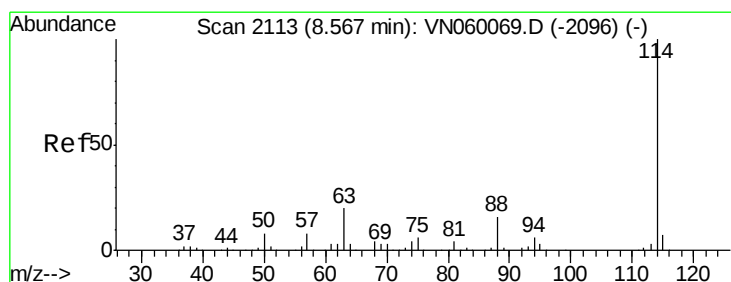
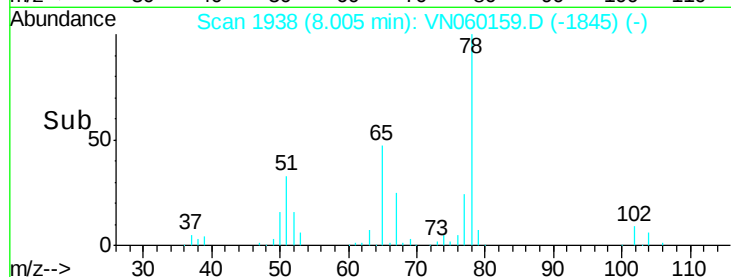
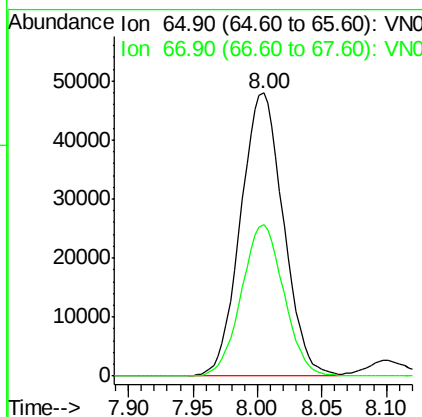
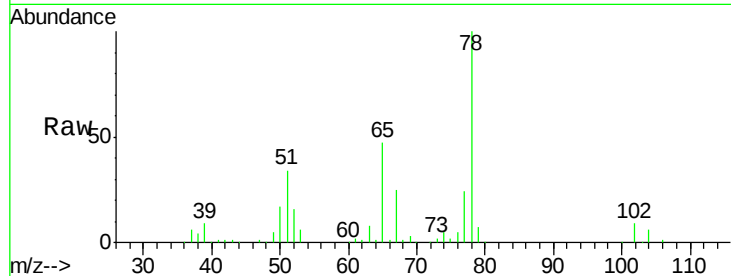
#33
 1,2-Dichloroethane-d4
 Concen: 49.838 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111058		
67	53.0	0.0	0.0	104.0

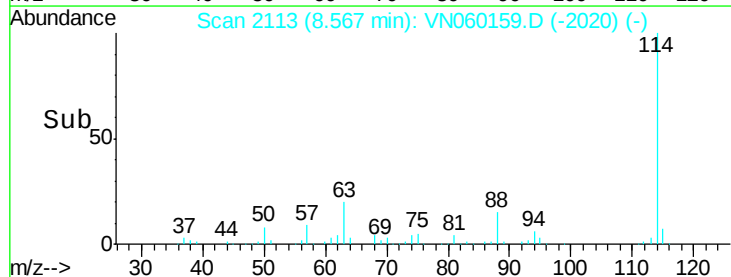
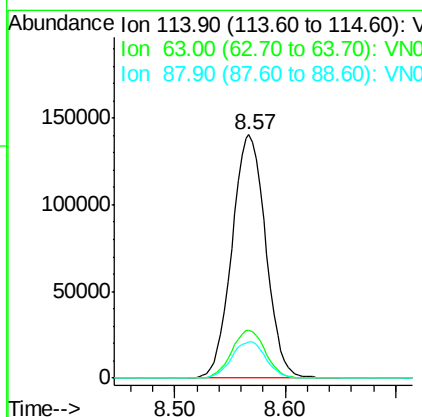
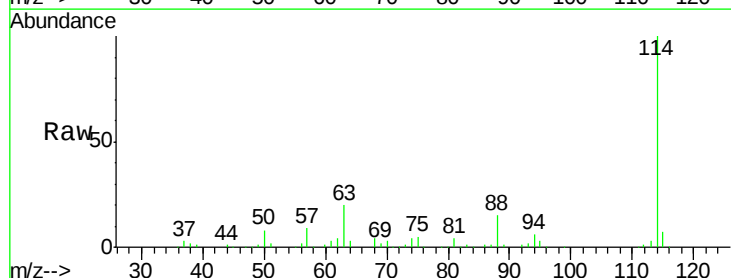
Manual Integrations
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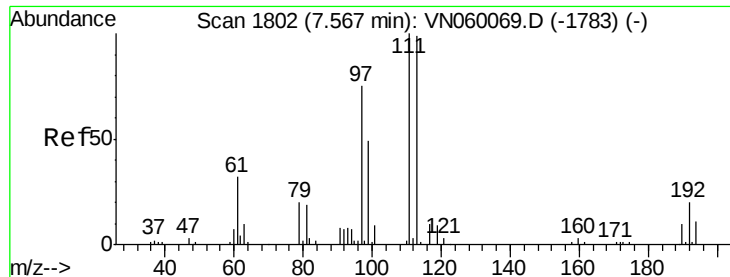
MMDadoda
 2/21/2020 11:48:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	297295		
63	19.8	0.0	0.0	40.0
88	14.9	0.0	0.0	31.6





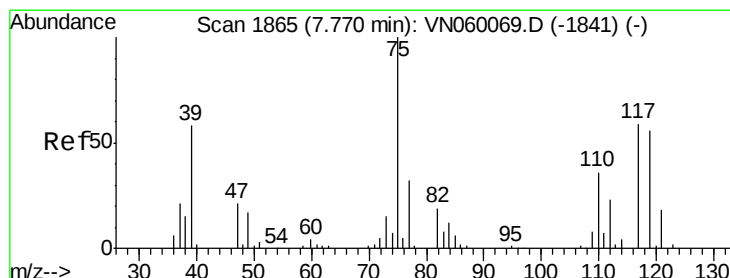
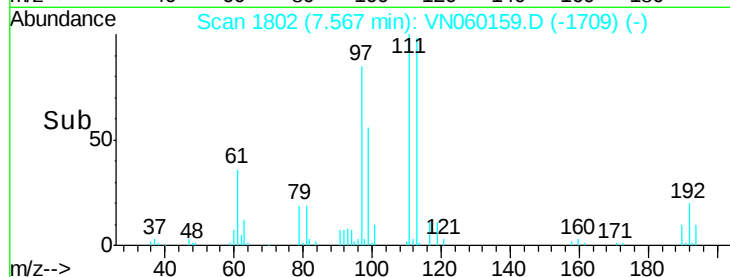
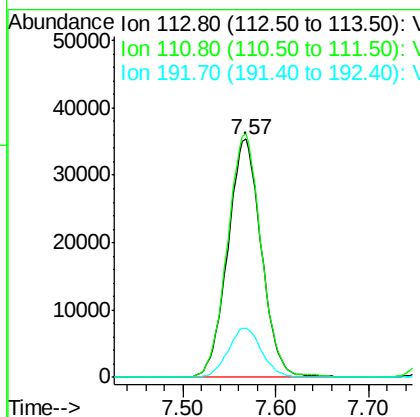
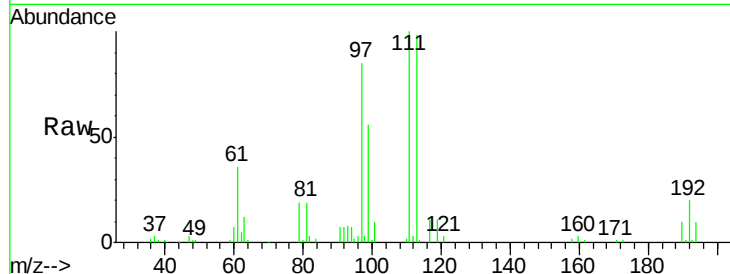
#35
 Dibromofluoromethane
 Concen: 48.601 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	20.4	16.2	24.2

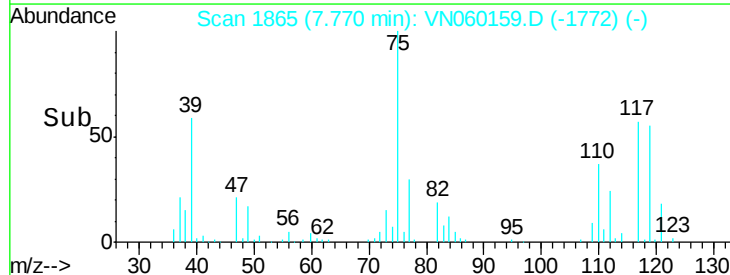
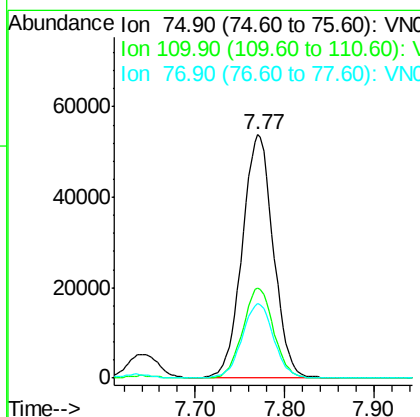
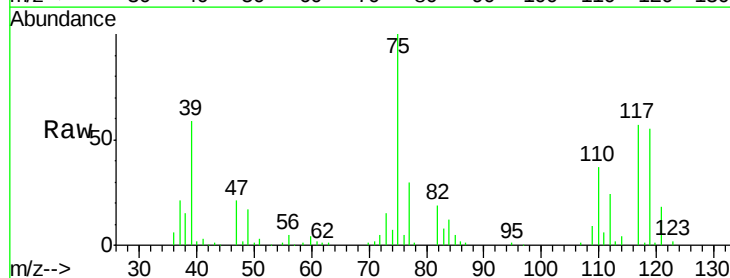
Manual Integrations
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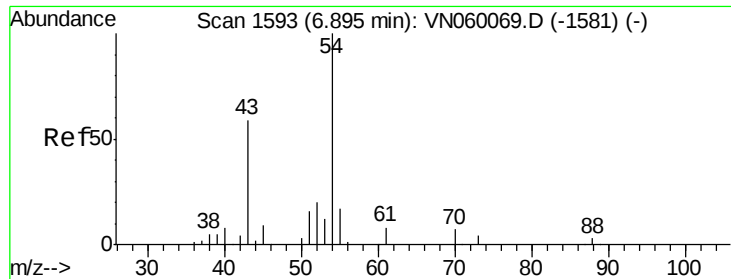
MMDadoda
 2/21/2020 11:48:41 AM



#36
 1,1-Dichloropropene
 Concen: 47.468 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.3
77	30.9	25.1	37.7





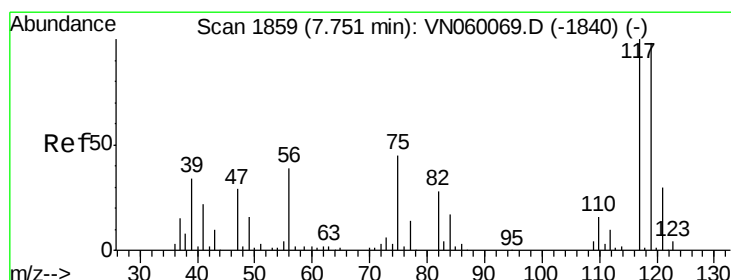
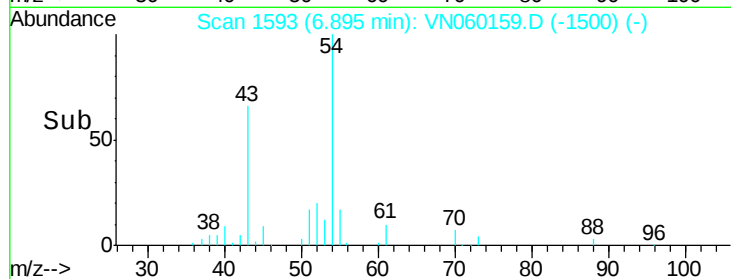
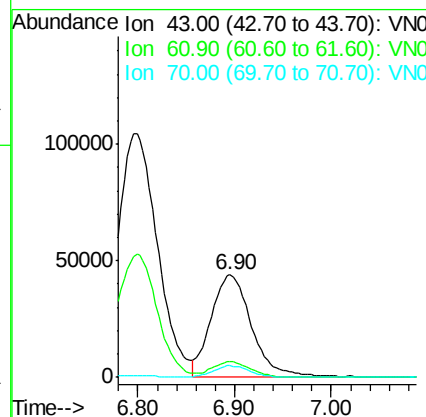
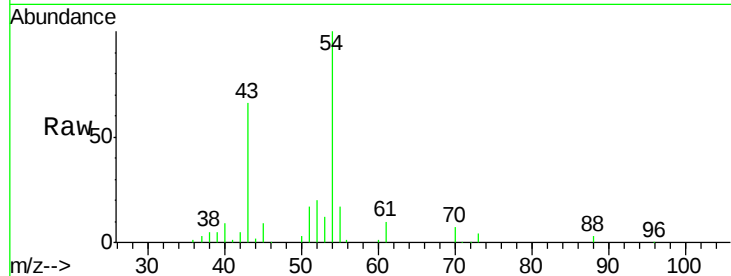
#37
Ethyl Acetate
Concen: 50.695 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.2
70	10.3	8.7	13.1

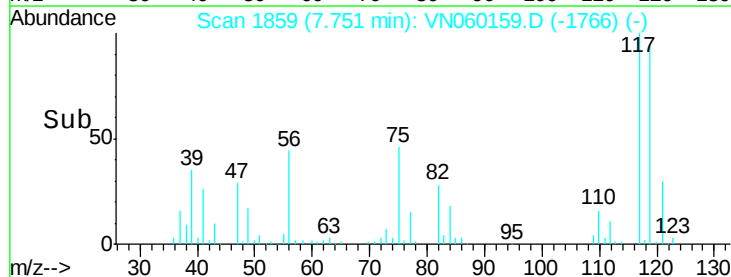
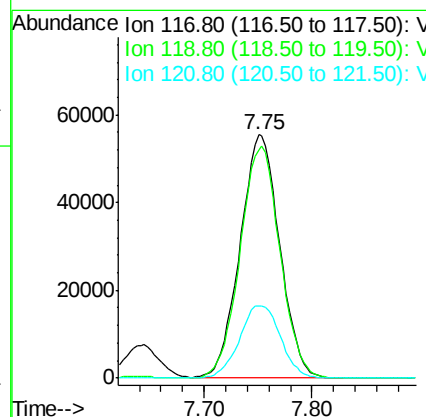
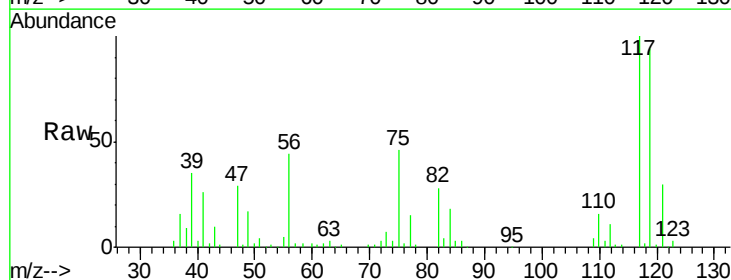
Manual Integrations
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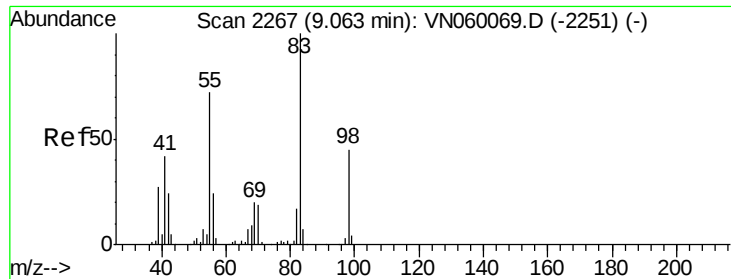
MMDadoda
2/21/2020 11:48:41 AM



#38
Carbon Tetrachloride
Concen: 47.267 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.2	117.4
121	29.9	24.2	36.2





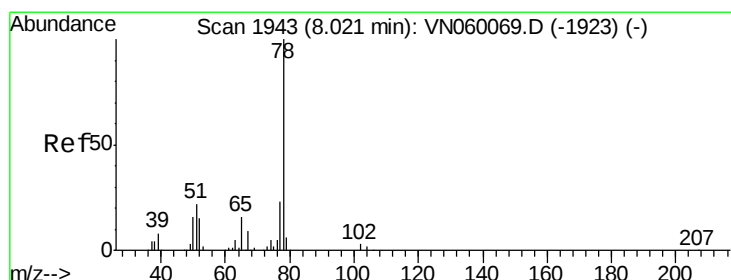
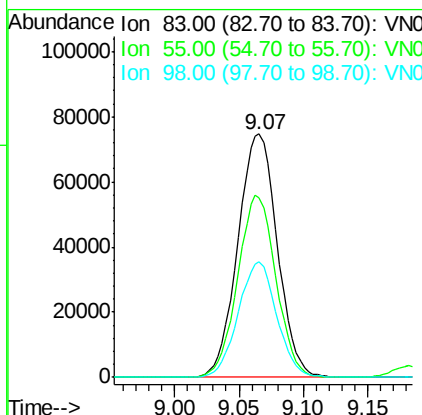
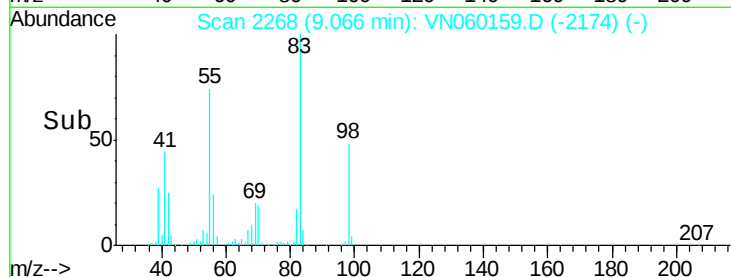
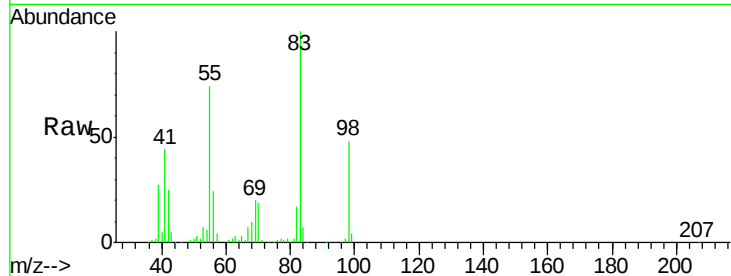
#39
Methvlcvclohexane
Concen: 46.551 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	57.8	86.8
98	47.6	36.4	54.6

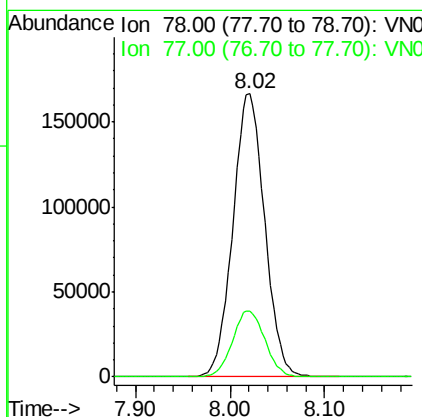
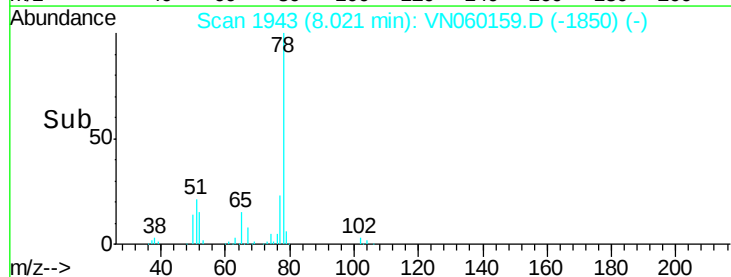
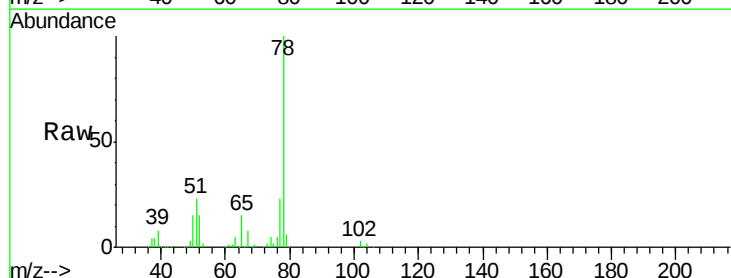
Manual Integrations
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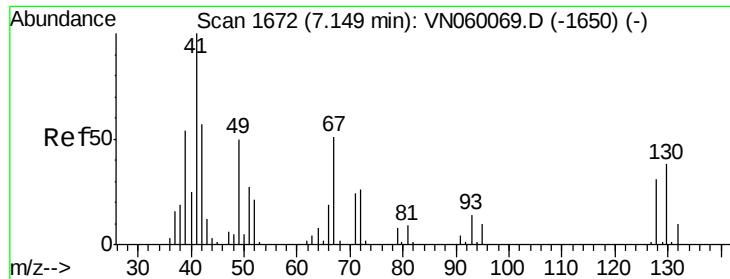
MMDadoda
2/21/2020 11:48:41 AM



#40
Benzene
Concen: 47.607 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 54.530 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 56912

Ion Ratio Lower Upper

41 100

39 170.1 0.0 0.0#

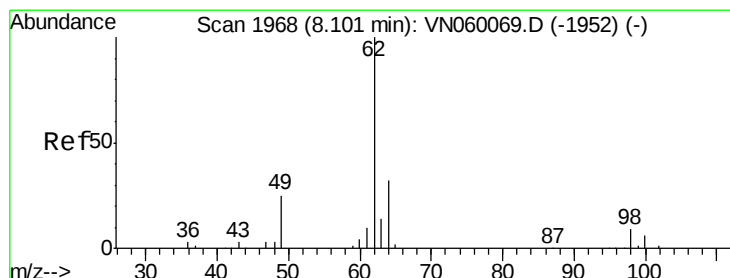
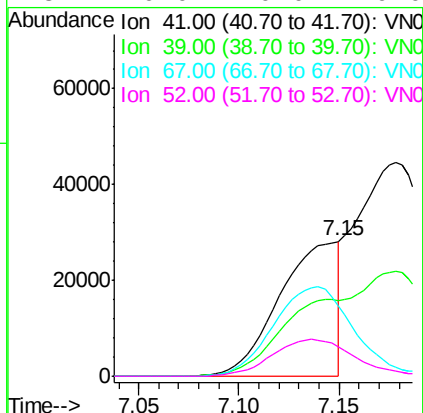
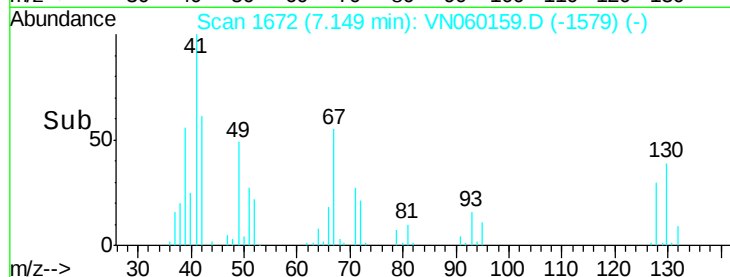
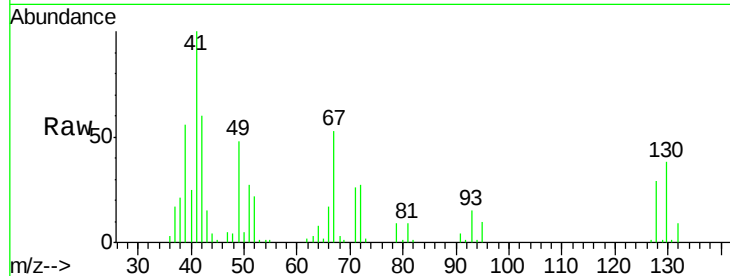
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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2/21/2020 11:48:41 AM



#42

1,2-Dichloroethane

Concen: 49.285 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN060159.D

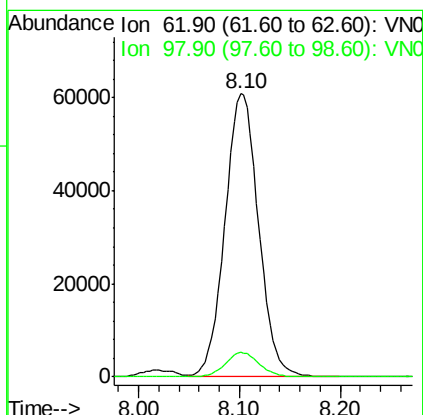
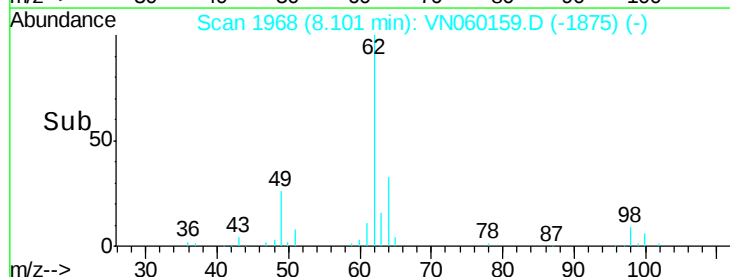
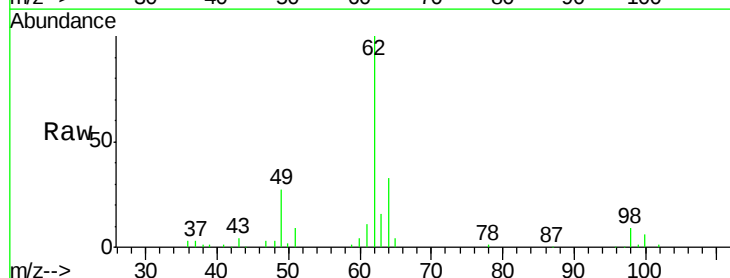
Acq: 19 Feb 2020 17:25

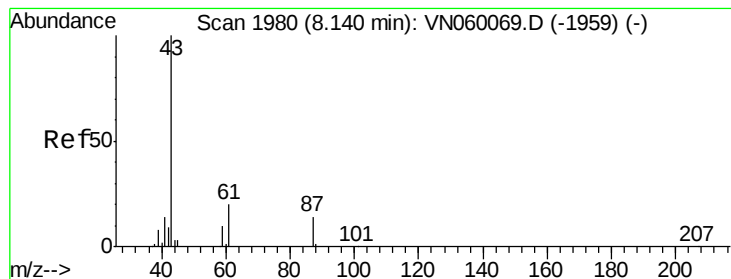
Tgt Ion: 62 Resp: 141097

Ion Ratio Lower Upper

62 100

98 8.7 0.0 18.2





#43

Isopropyl Acetate

Concen: 51.187 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

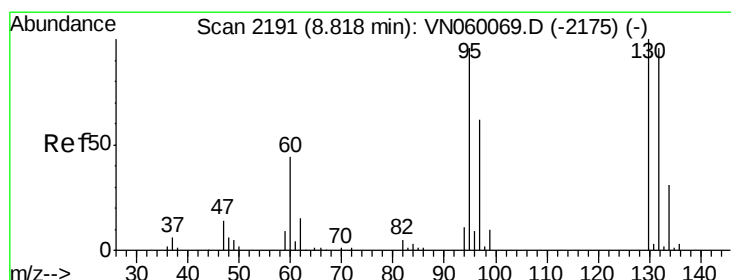
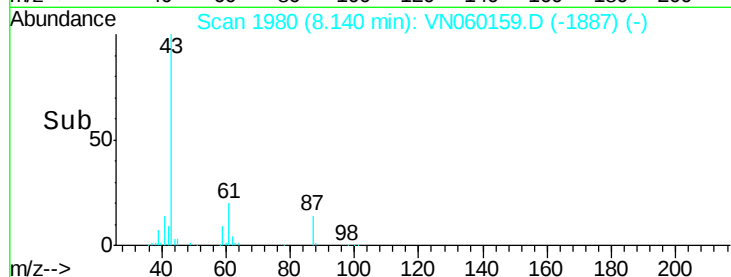
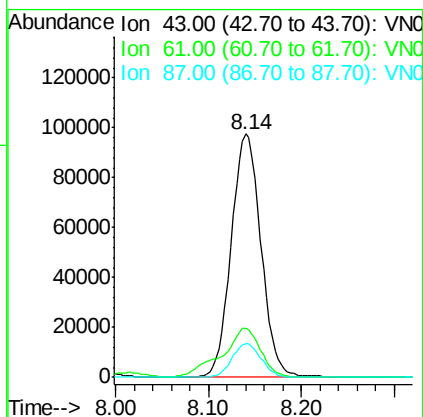
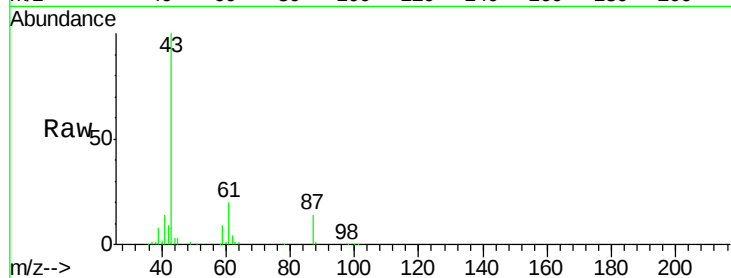
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	217762
Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.8	32.6
87	13.5	11.4	17.2

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#44

Trichloroethene

Concen: 46.100 ug/l

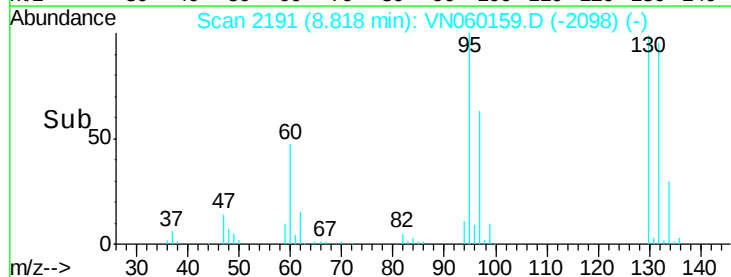
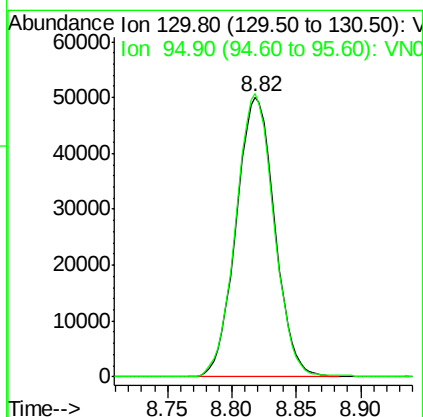
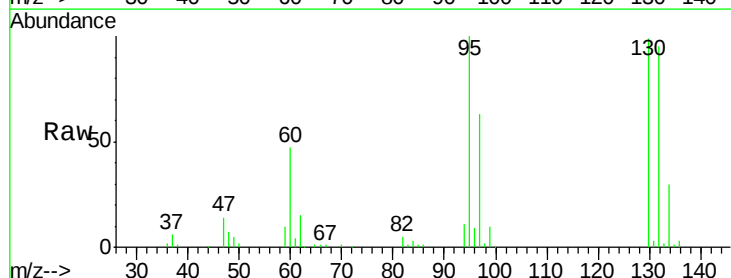
RT: 8.82 min Scan# 2191

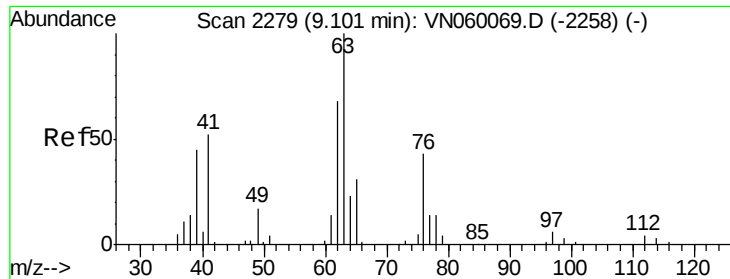
Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	130	Resp:	104268
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	192.4





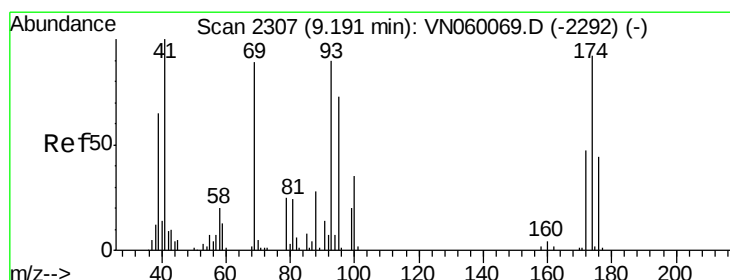
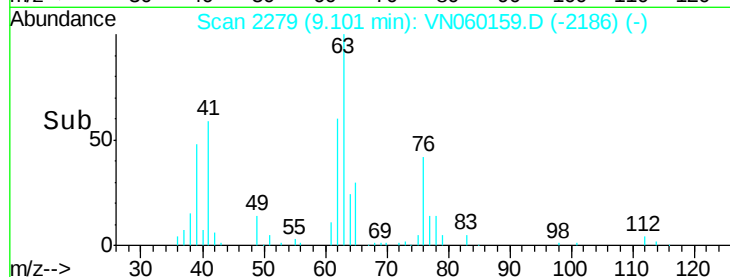
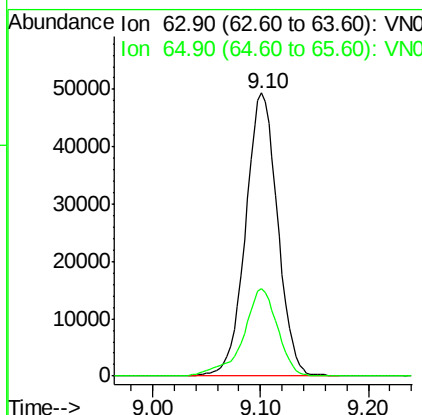
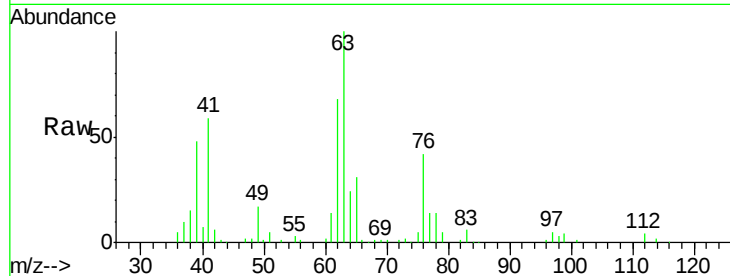
#45
 1,2-Dichloropropane
 Concen: 50.213 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 101546
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

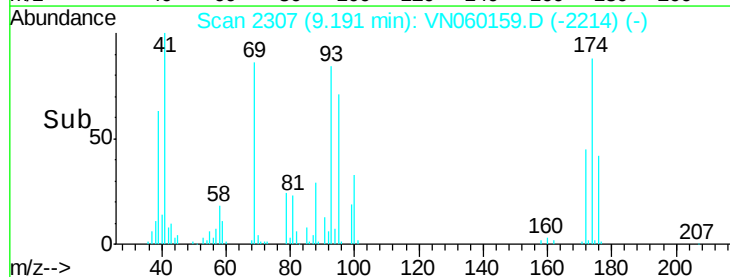
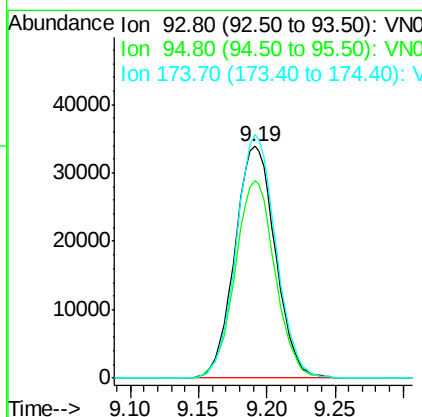
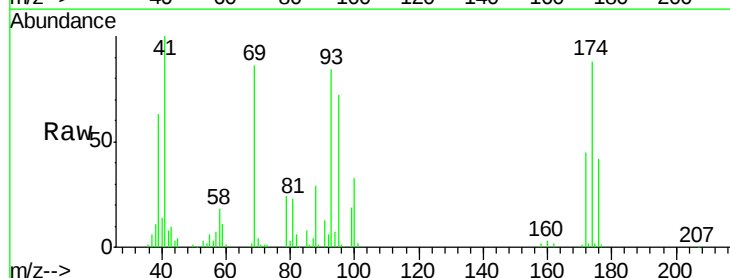
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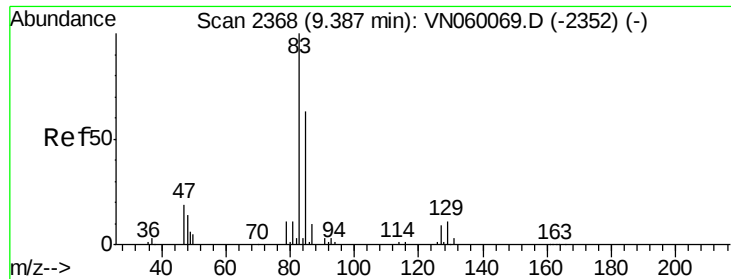
MMDadoda
 2/21/2020 11:48:41 AM



#46
 Dibromomethane
 Concen: 48.891 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion: 93 Resp: 69870
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.0 97.6
 174 102.4 82.3 123.5





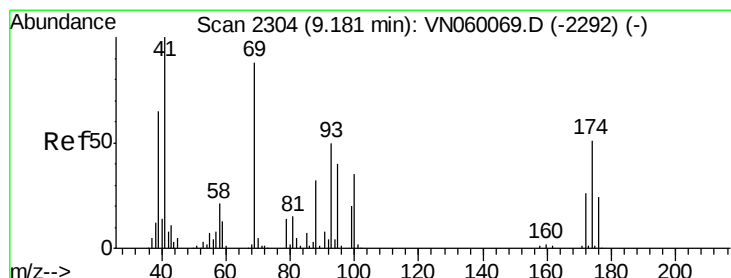
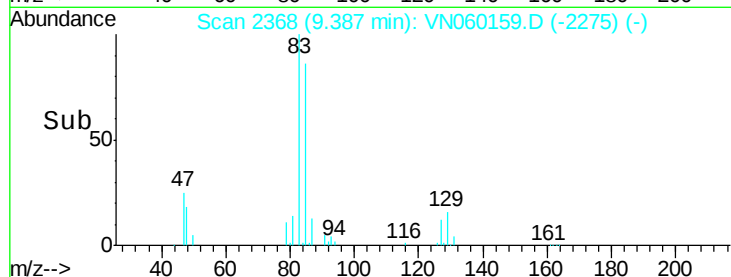
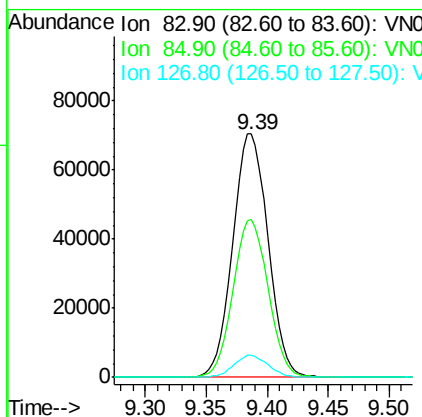
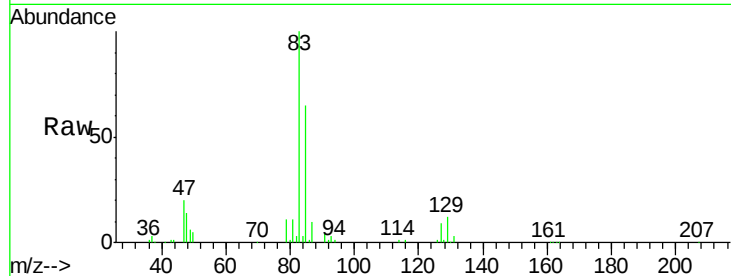
#47
Bromodichloromethane
Concen: 48.707 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	83	Resp:	141515
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.6	75.8
127	9.1	7.0	10.6

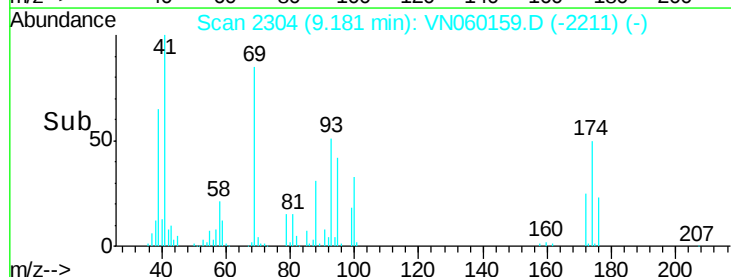
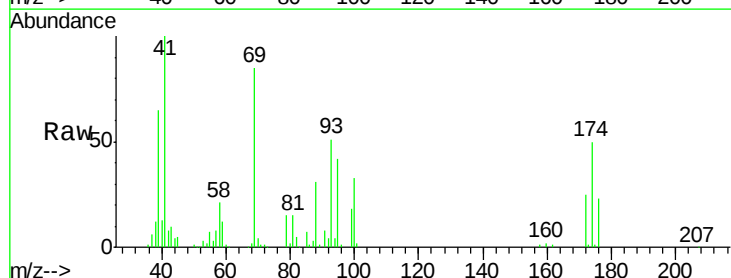
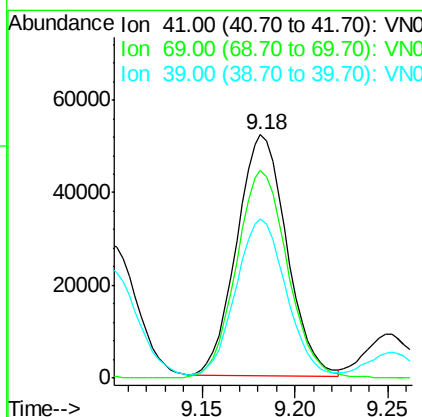
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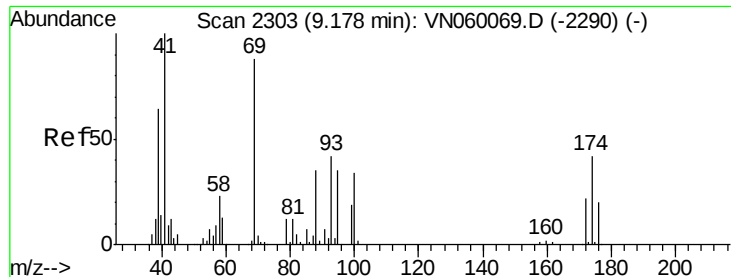
MMDadoda
2/21/2020 11:48:41 AM



#48
Methyl methacrylate
Concen: 50.948 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion:	41	Resp:	97245
Ion Ratio	Lower	Upper	
41	100		
69	88.7	72.0	108.0
39	67.8	54.1	81.1





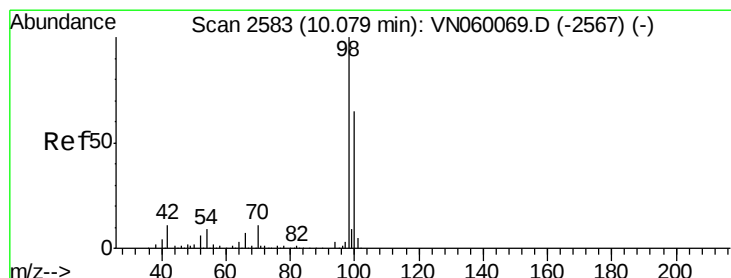
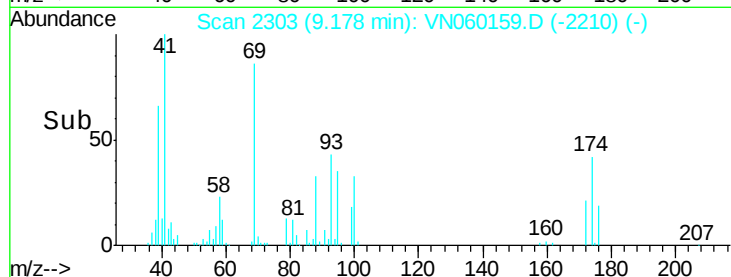
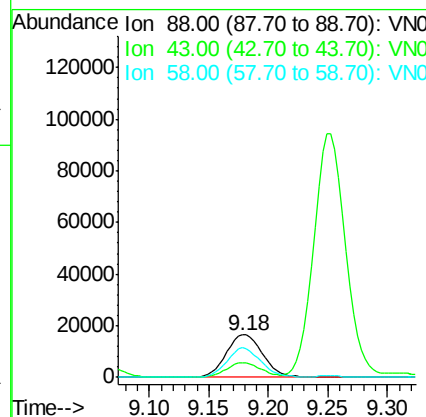
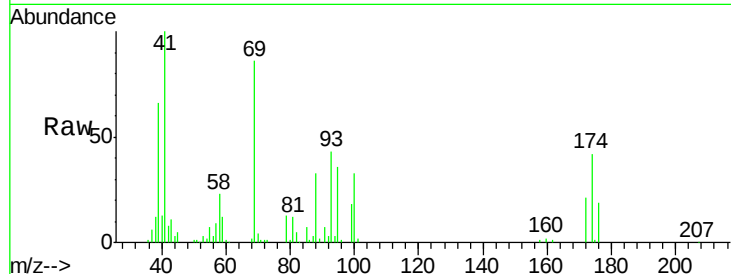
#49
1,4-Dioxane
Concen: 1073.768 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.2
58	64.7	53.2	79.8

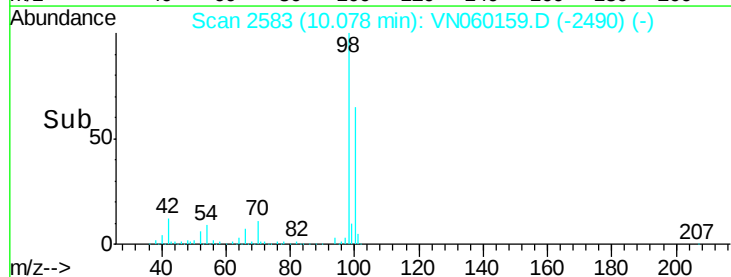
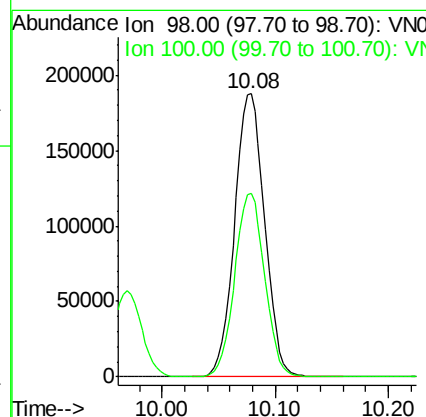
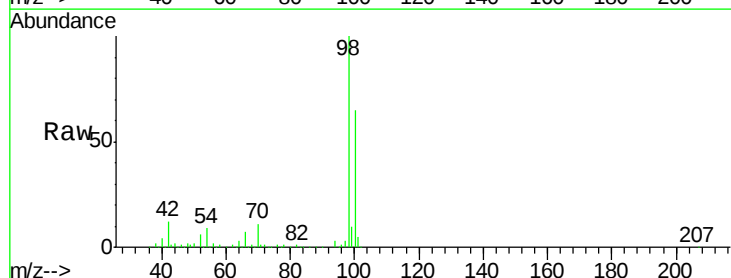
Manual Integrations
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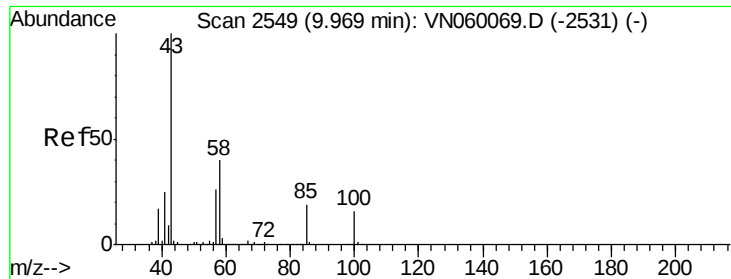
MMDadoda
2/21/2020 11:48:41 AM



#50
Toluene-d8
Concen: 48.120 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 262.279 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 645838

Ion Ratio Lower Upper

43 100

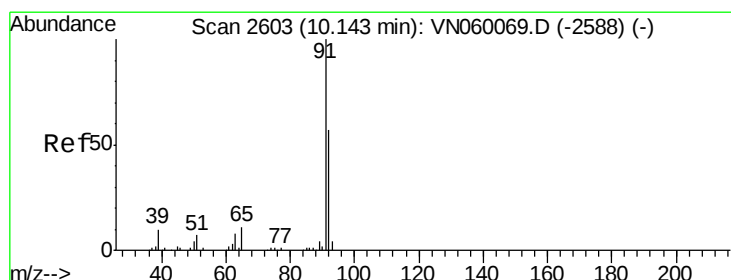
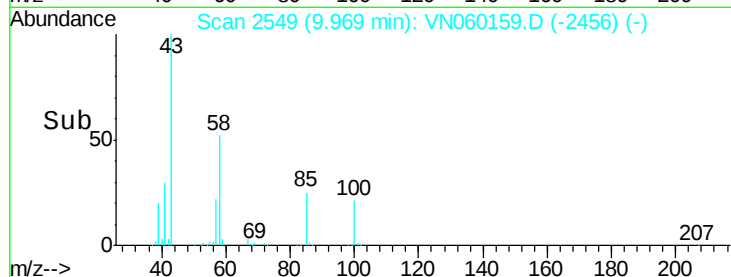
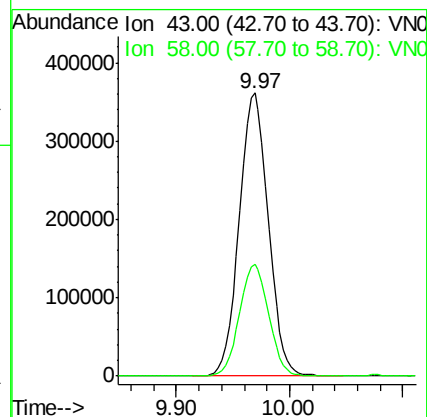
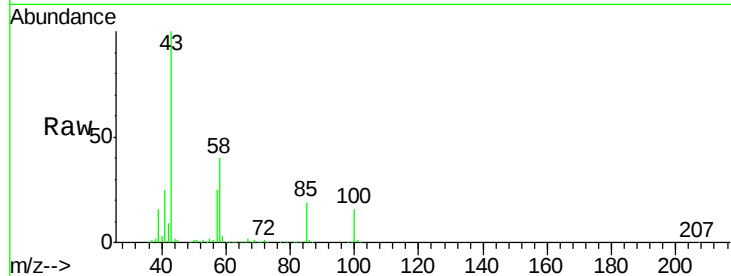
58 39.9 31.8 47.8

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2/21/2020 11:48:41 AM



#52

Toluene

Concen: 48.769 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060159.D

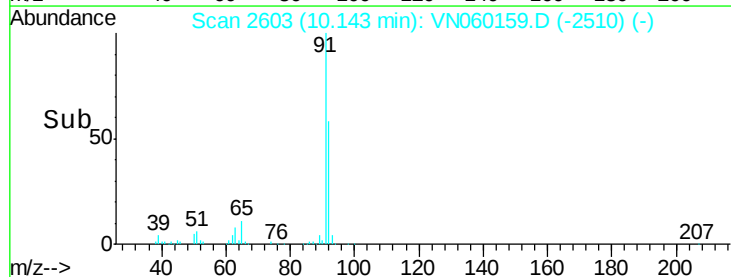
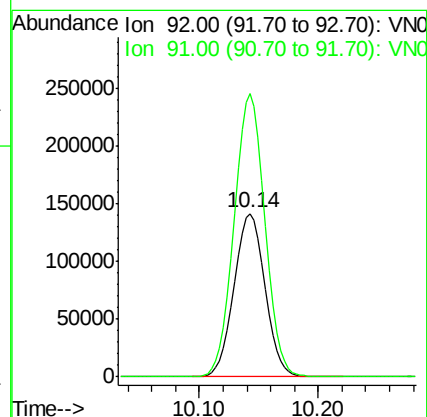
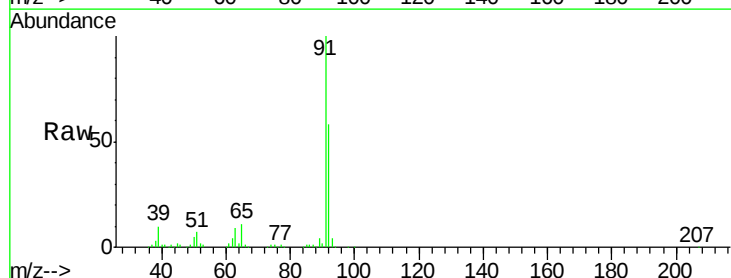
Acq: 19 Feb 2020 17:25

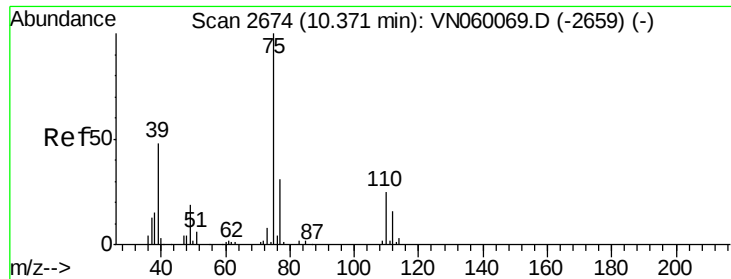
Tgt Ion: 92 Resp: 255456

Ion Ratio Lower Upper

92 100

91 172.3 140.9 211.3





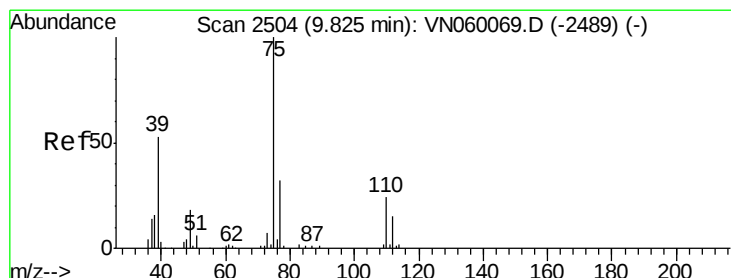
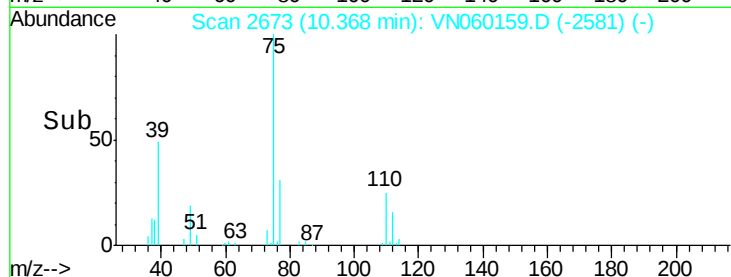
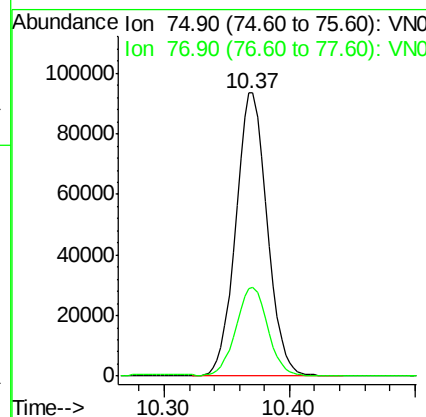
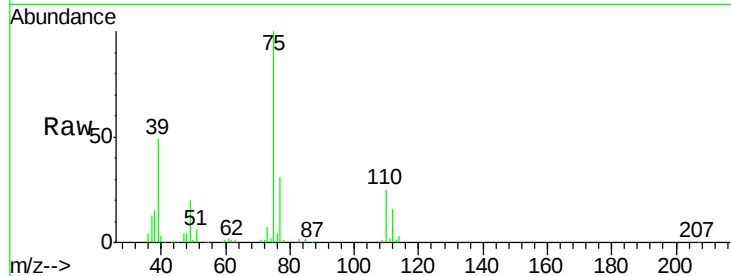
#53
t-1,3-Dichloropropene
Concen: 49.649 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 162828
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0

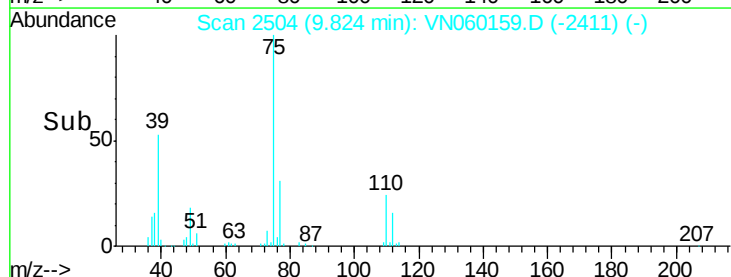
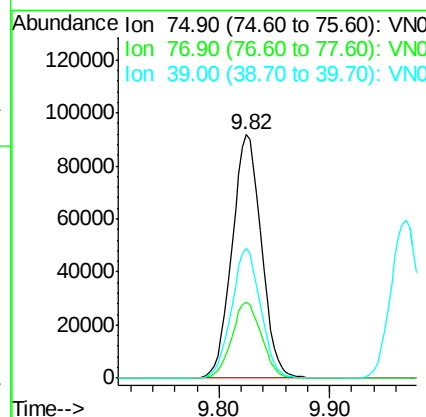
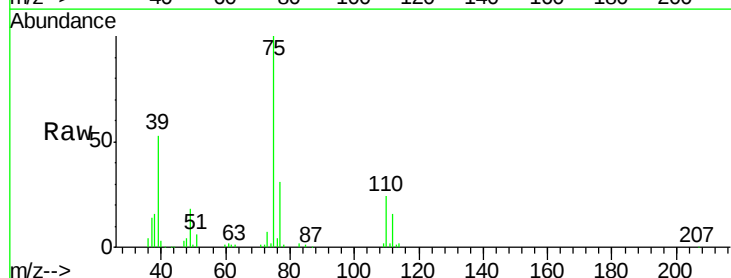
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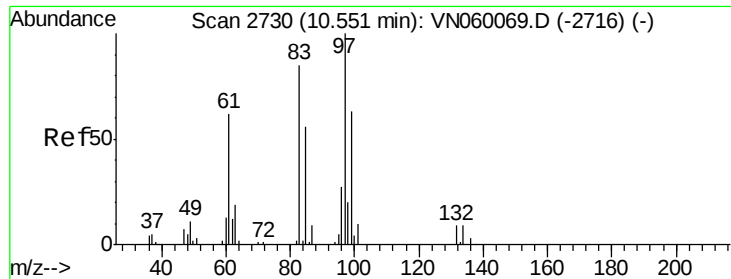
MMDadoda
2/21/2020 11:48:41 AM



#54
cis-1,3-Dichloropropene
Concen: 48.973 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 75 Resp: 169124
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4
39 53.1 42.2 63.4





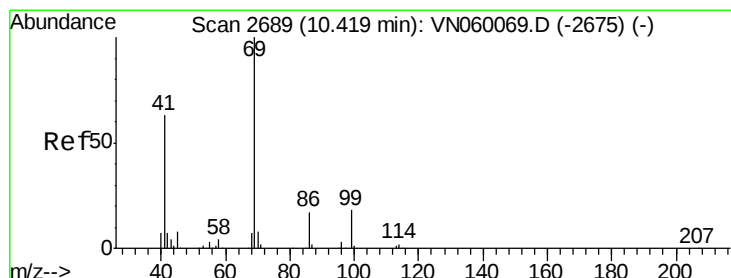
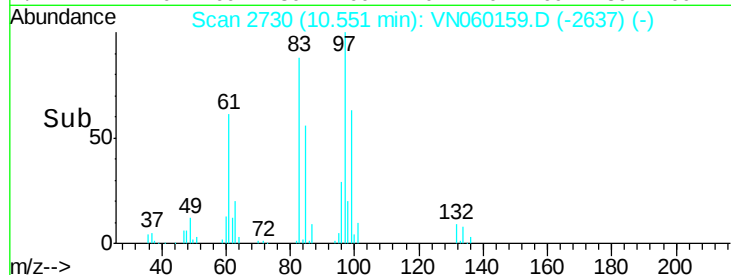
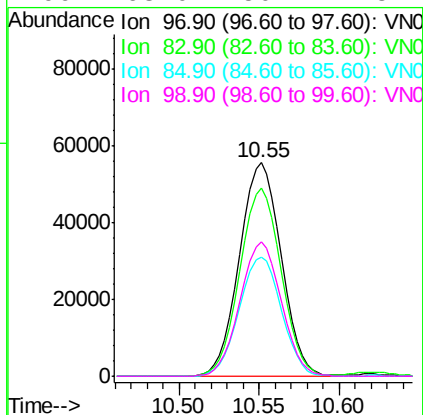
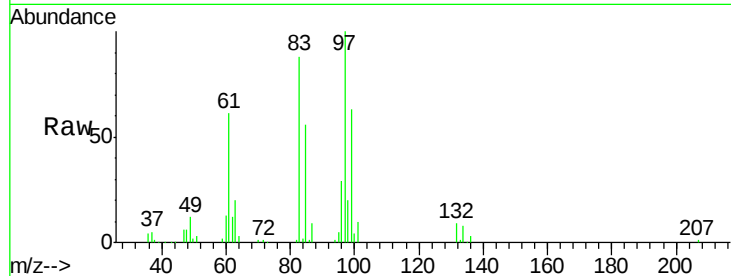
#55
 1,1,2-Trichloroethane
 Concen: 48.700 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	99520
Ion	Ratio	Lower	Upper
97	100		
83	88.0	67.9	101.9
85	55.8	44.6	67.0
99	63.0	50.1	75.1

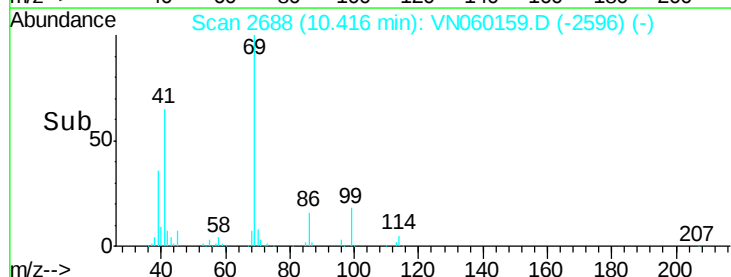
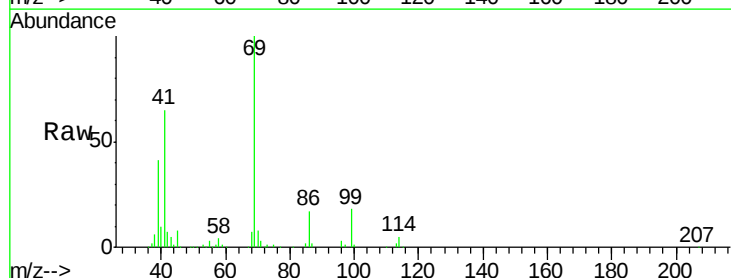
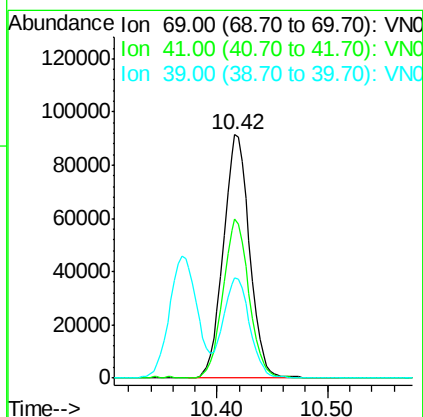
Manual Integrations
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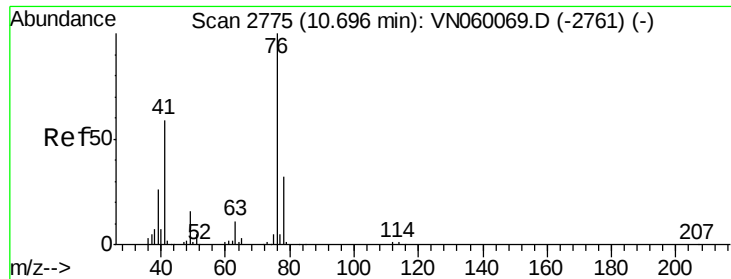
MMDadoda
 2/21/2020 11:48:41 AM



#56
 Ethyl methacrylate
 Concen: 52.150 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion:	69	Resp:	150757
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.1	76.7
39	42.1	33.8	50.8





#57

1,3-Dichloropropane

Concen: 49.208 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 165929

Ion Ratio Lower Upper

76 100

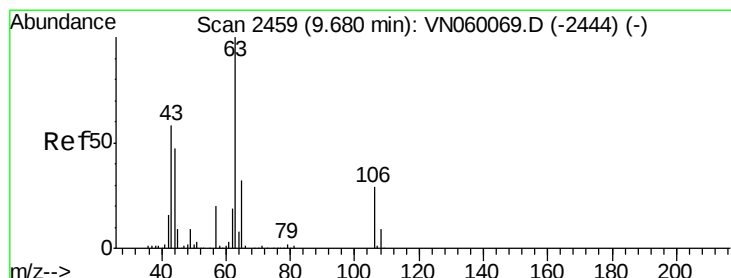
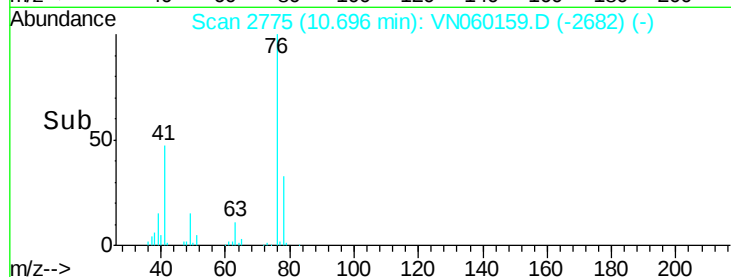
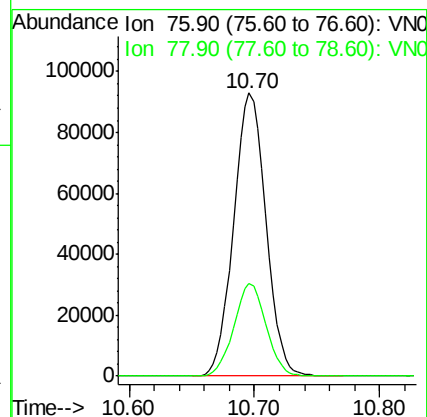
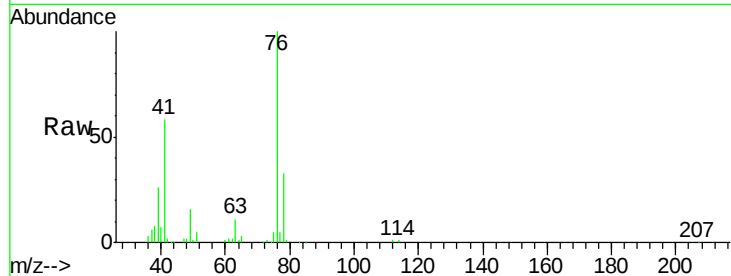
78 32.5 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 258.866 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060159.D

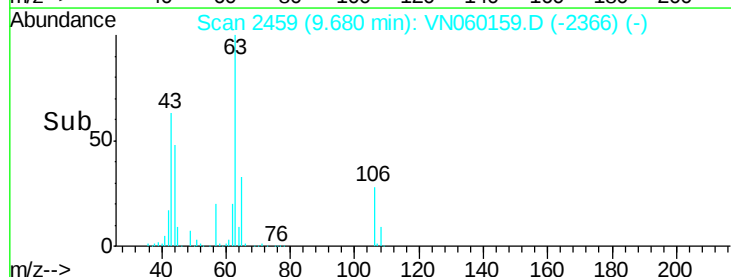
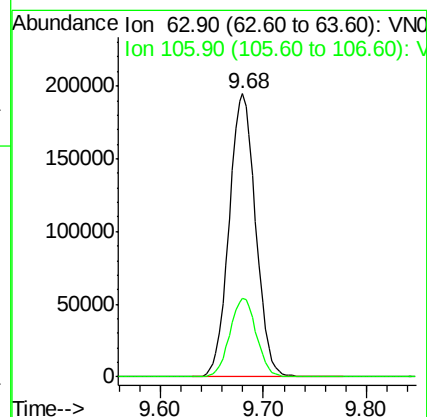
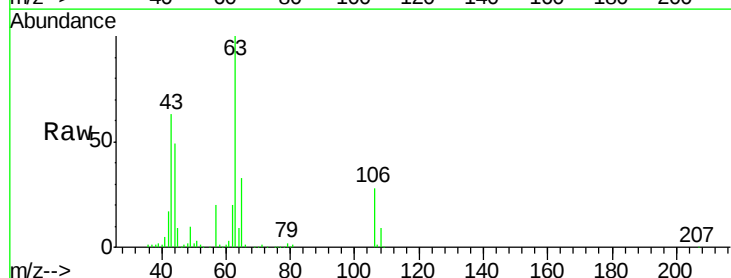
Acq: 19 Feb 2020 17:25

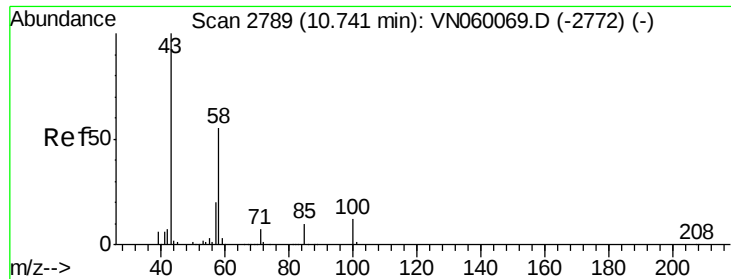
Tgt Ion: 63 Resp: 348626

Ion Ratio Lower Upper

63 100

106 27.9 22.9 34.3





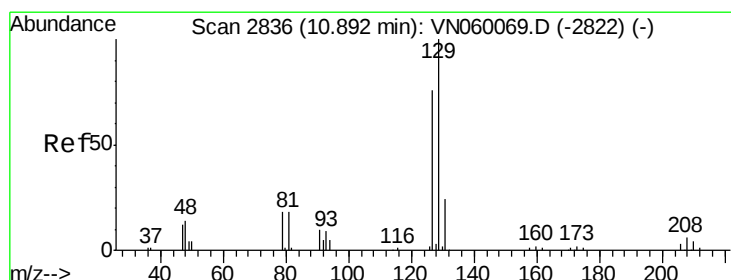
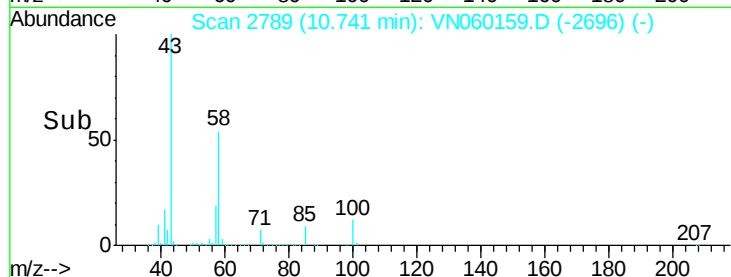
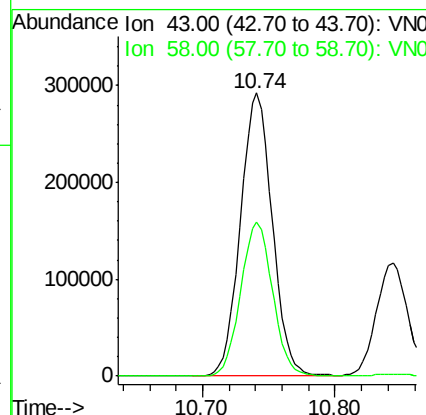
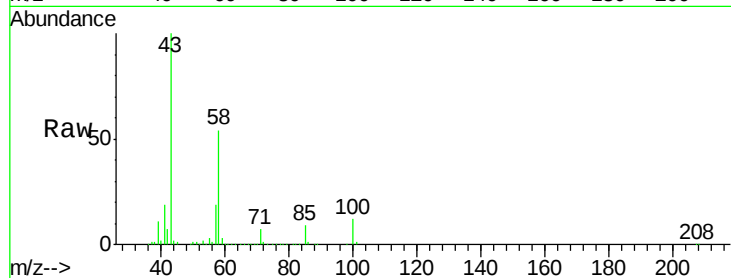
#59
2-Hexanone
Concen: 255.987 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 486924
Ion Ratio Lower Upper
43 100
58 54.7 27.5 82.4

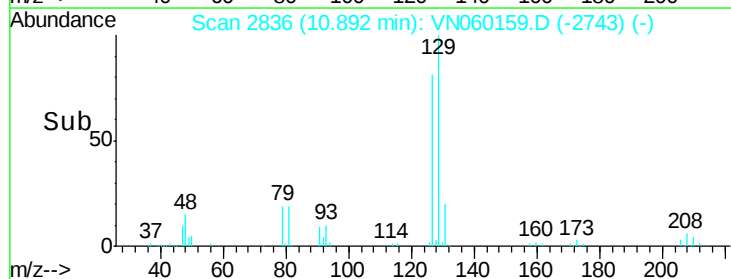
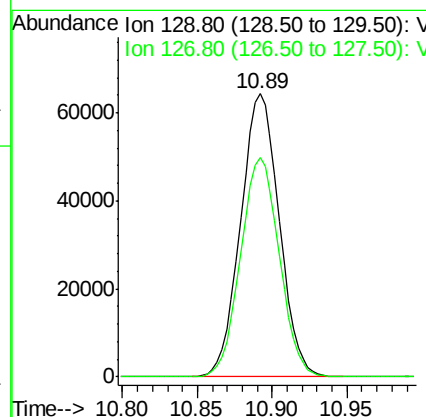
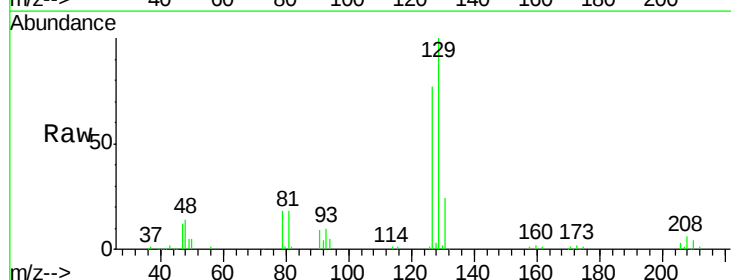
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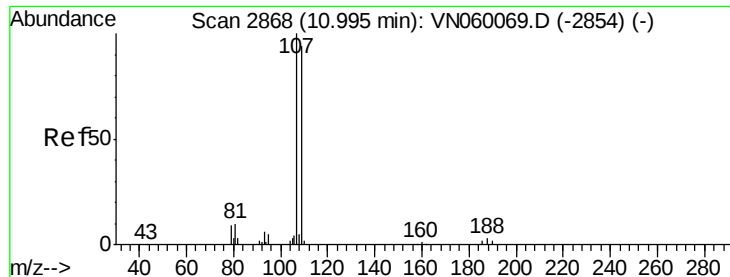
MMDadoda
2/21/2020 11:48:41 AM



#60
Dibromochloromethane
Concen: 49.290 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 129 Resp: 115587
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 49.489 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 106015

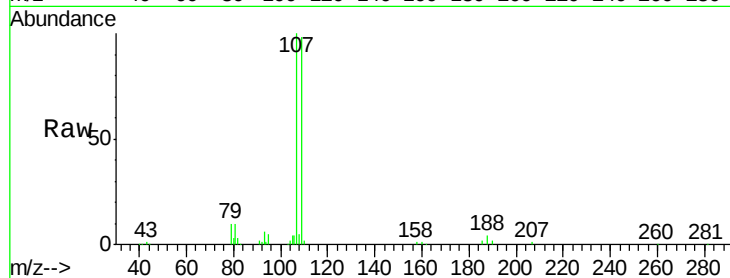
Ion Ratio Lower Upper

107 100

109 96.7 75.4 113.0

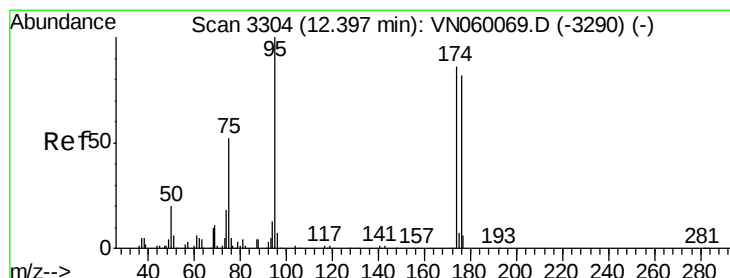
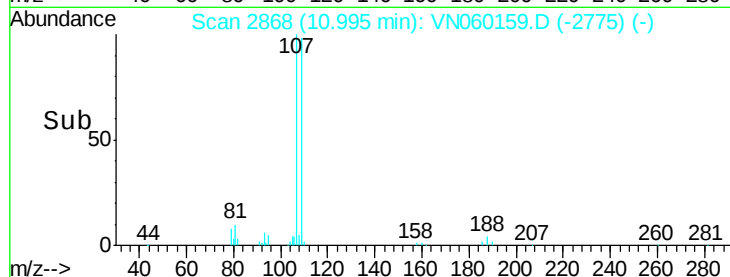
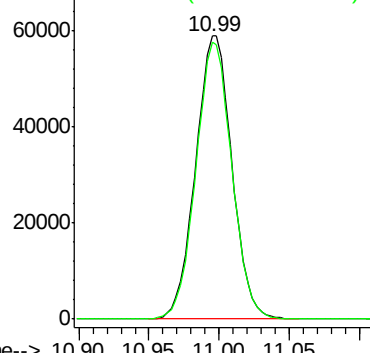
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.515 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

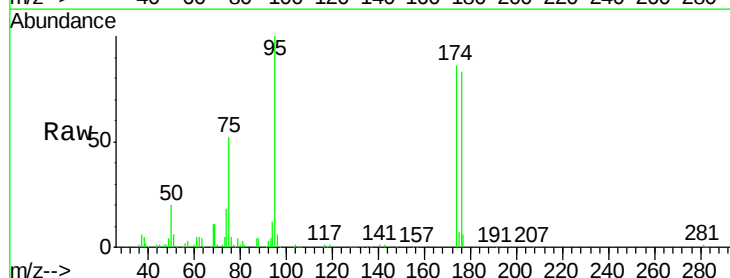
Tgt Ion: 95 Resp: 130936

Ion Ratio Lower Upper

95 100

174 85.6 0.0 169.8

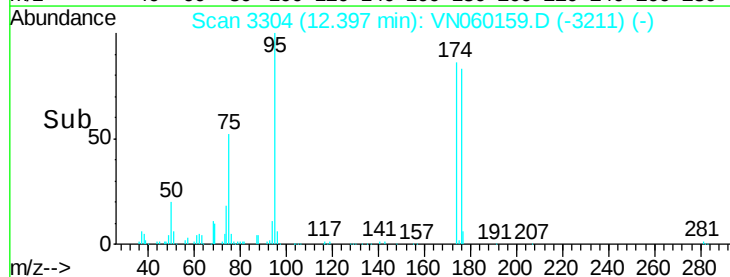
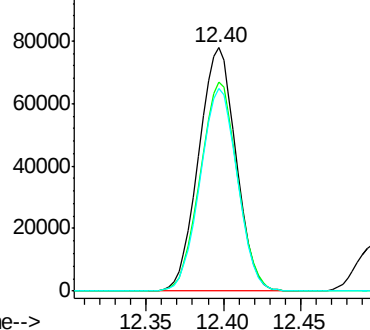
176 82.8 0.0 164.8

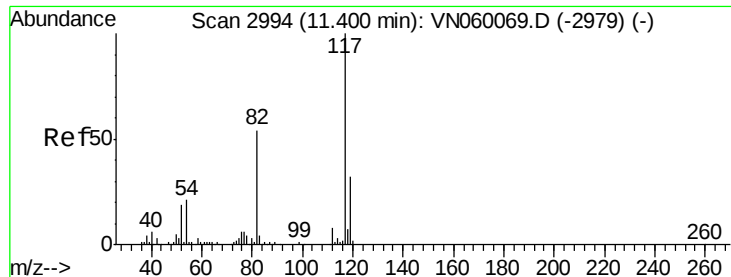


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





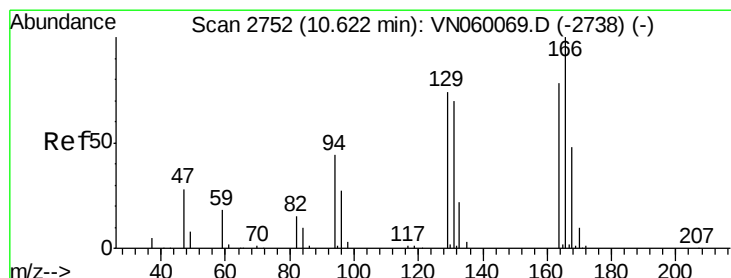
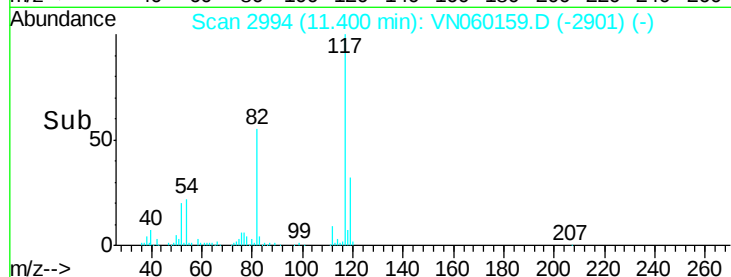
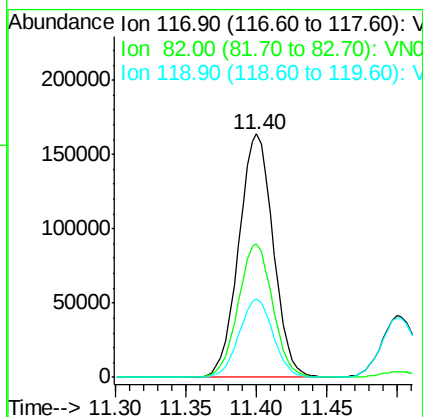
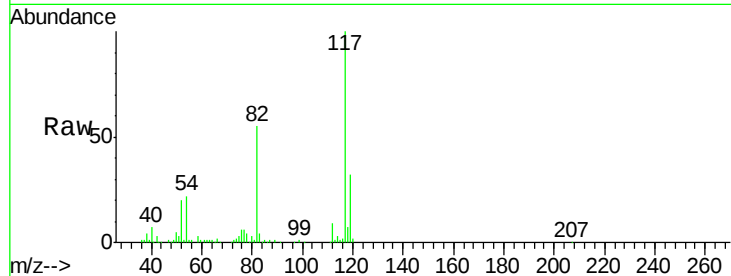
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.4	65.0
119	32.3	25.8	38.6

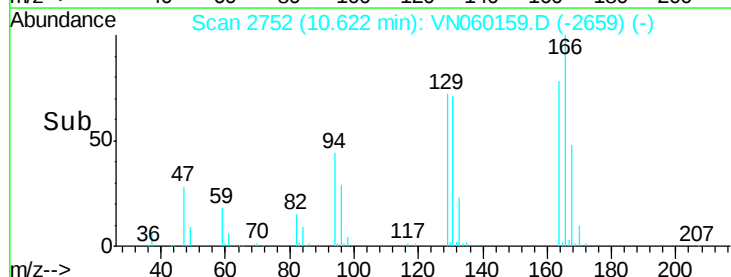
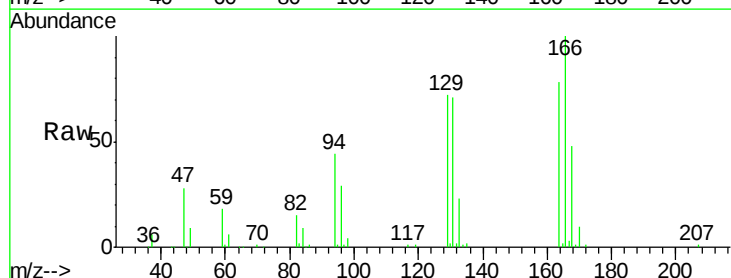
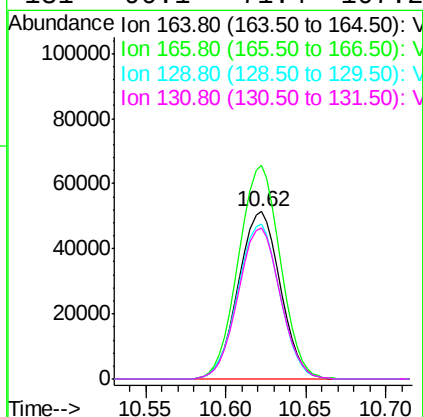
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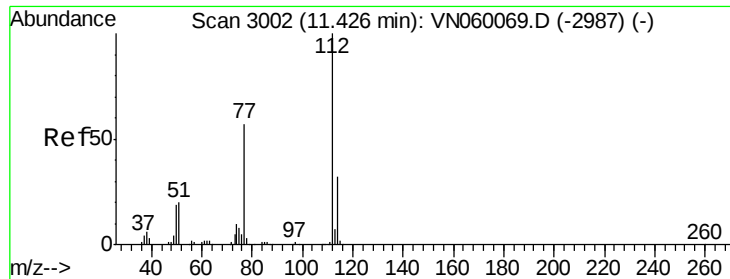
MMDadoda
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#64
Tetrachloroethene
Concen: 43.156 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.9	152.9
129	92.3	75.4	113.0
131	90.1	71.4	107.2





#65

Chlorobenzene

Concen: 47.978 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 273912

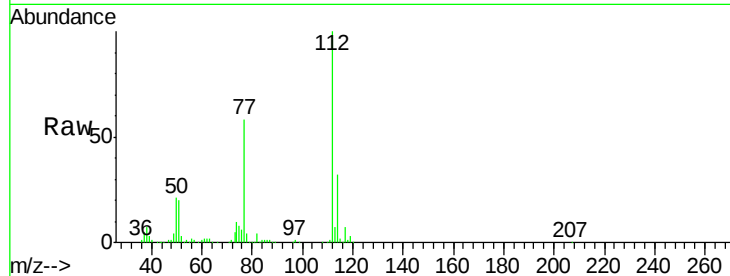
Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.0

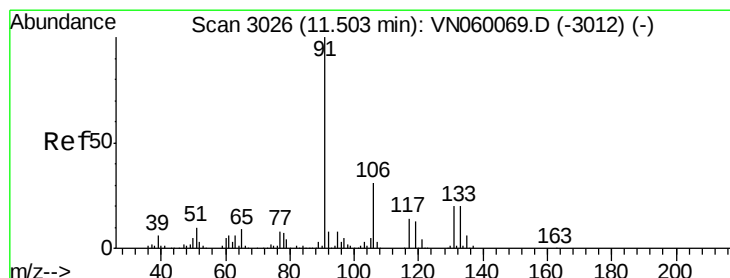
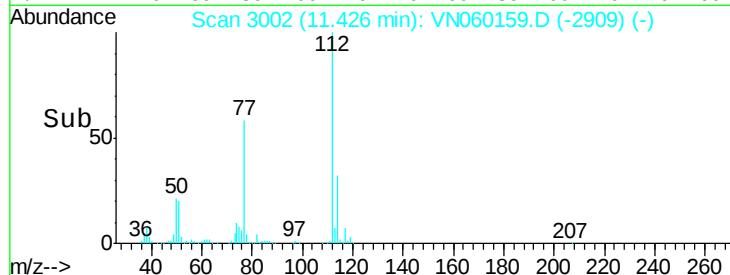
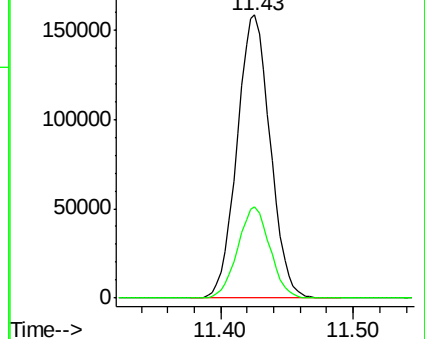
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.867 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

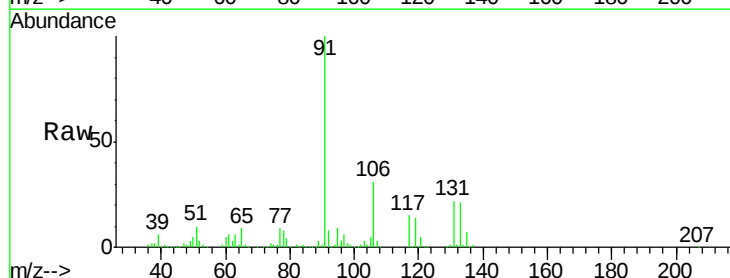
Tgt Ion:131 Resp: 105541

Ion Ratio Lower Upper

131 100

133 96.4 47.9 143.7

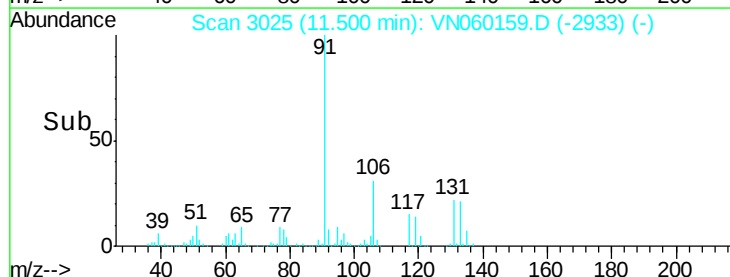
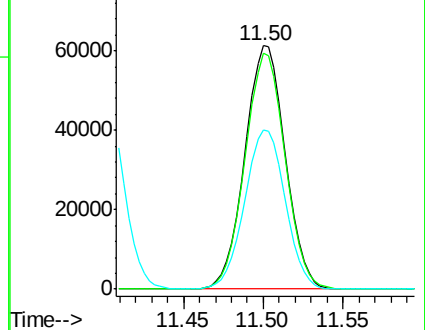
119 65.7 32.6 97.7

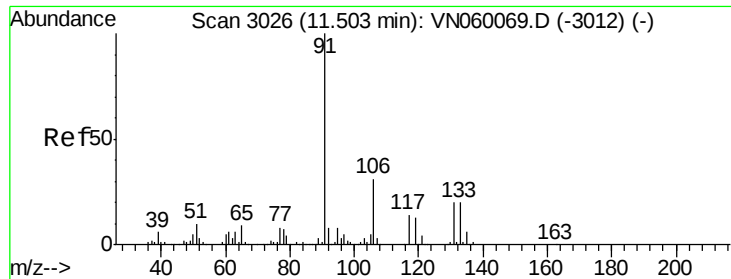


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





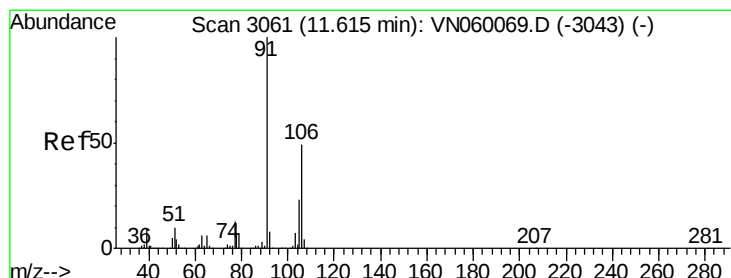
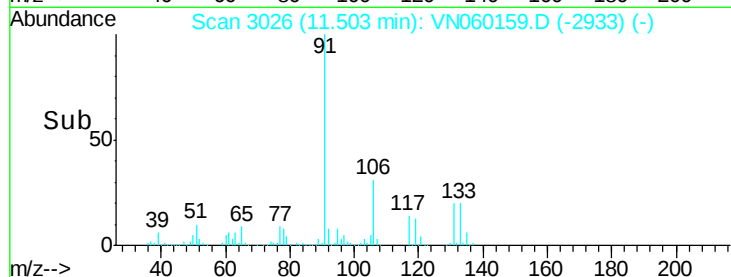
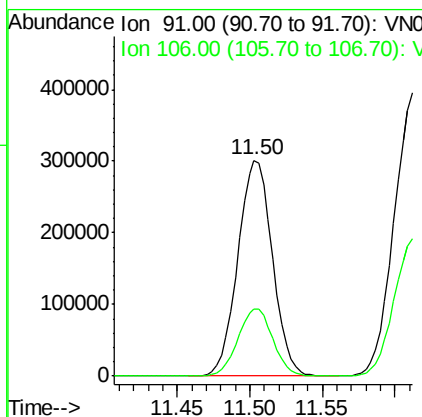
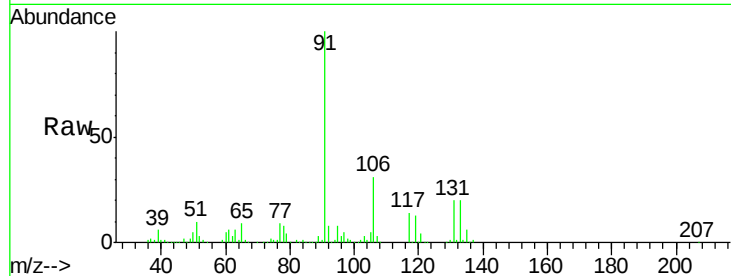
#67
Ethyl Benzene
Concen: 48.391 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 498281
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

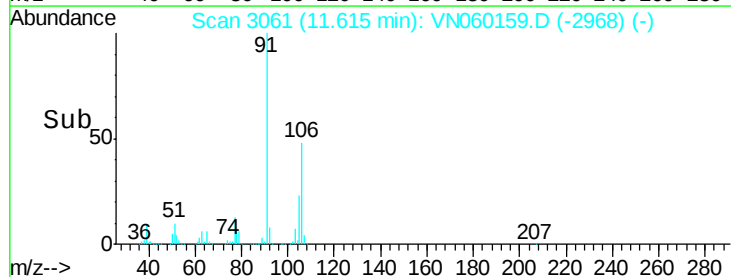
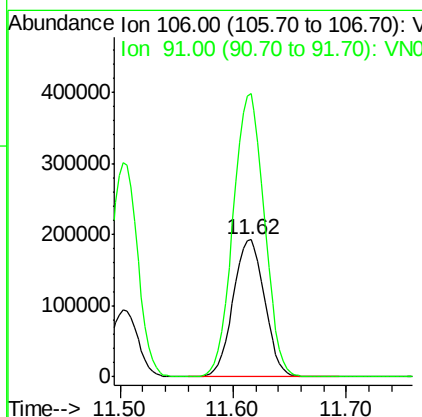
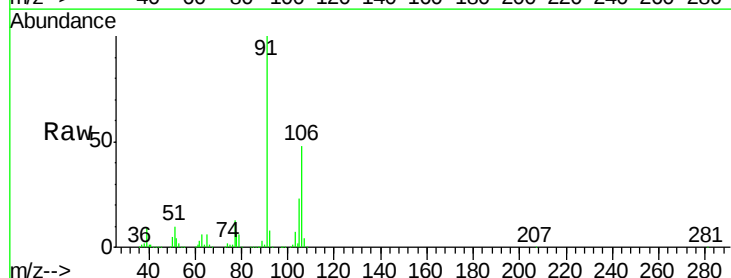
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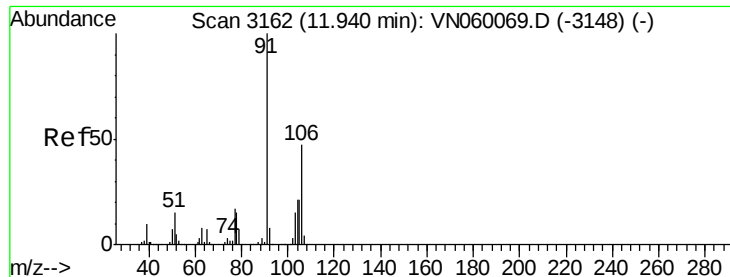
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#68
m/p-Xylenes
Concen: 96.782 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 106 Resp: 374023
Ion Ratio Lower Upper
106 100
91 204.8 162.7 244.1





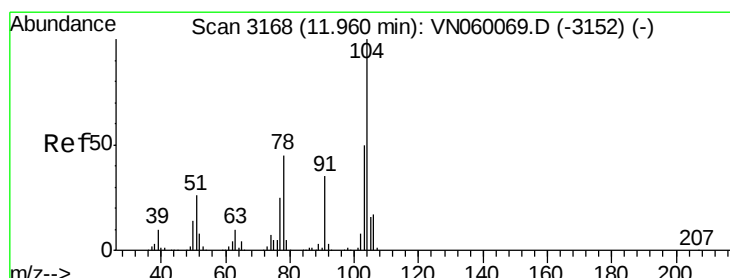
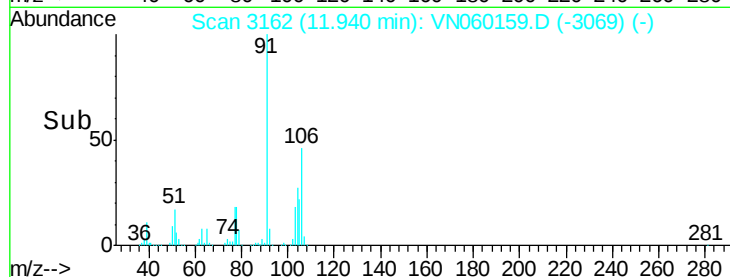
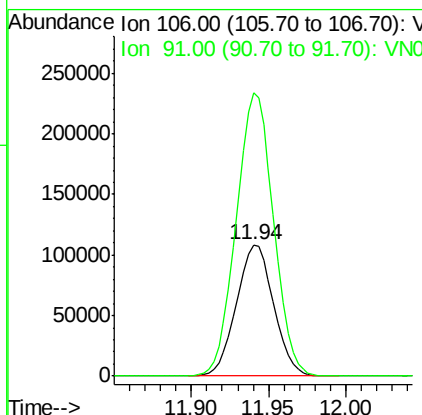
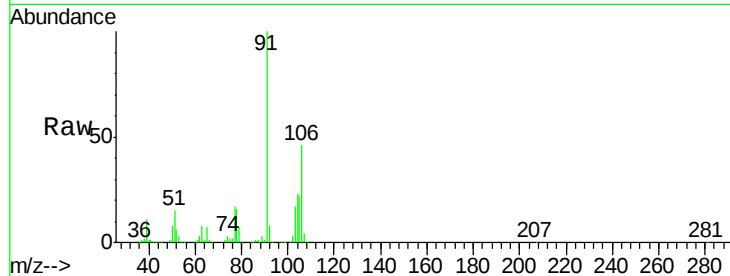
#69
o-Xylene
Concen: 48.657 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
181052	106	100		
	91	216.0	107.2	321.6

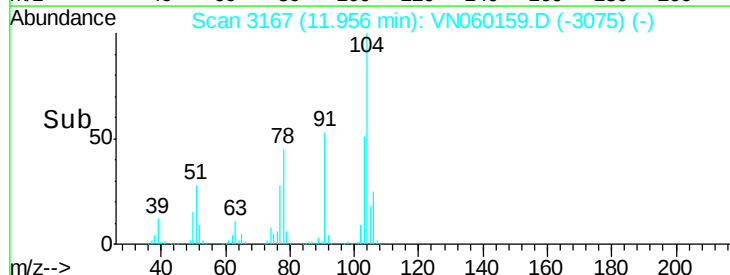
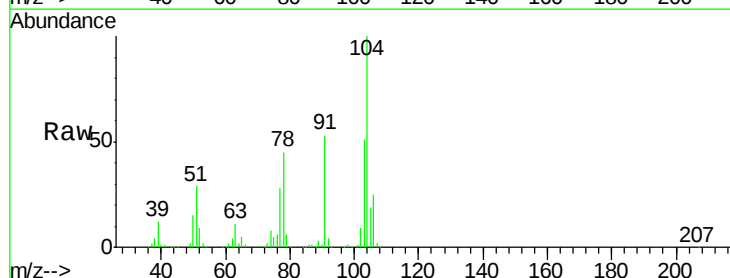
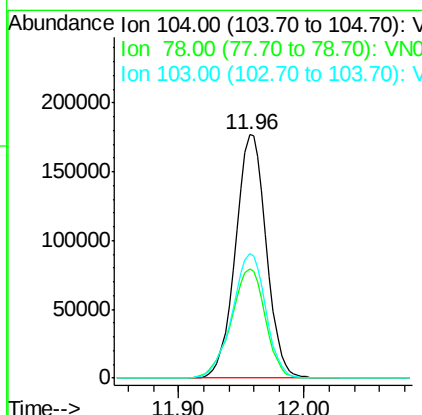
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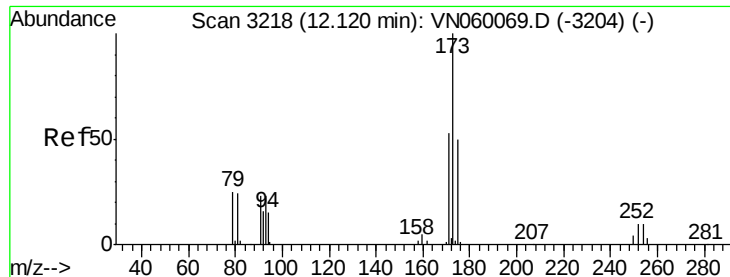
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#70
Styrene
Concen: 50.257 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ion	Ratio	Lower	Upper
301562	104	100		
	78	50.0	40.2	60.2
	103	55.5	44.3	66.5





#71

Bromoform

Concen: 51.493 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 89449

Ion Ratio Lower Upper

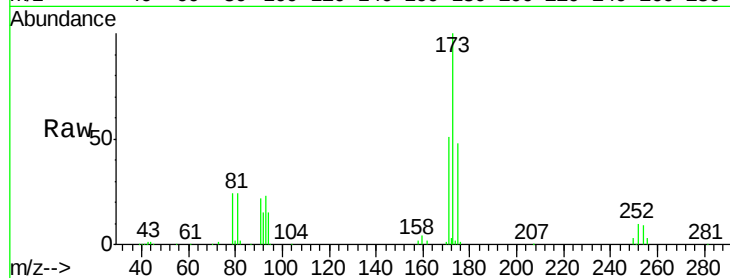
173 100

175 48.1 24.9 74.6

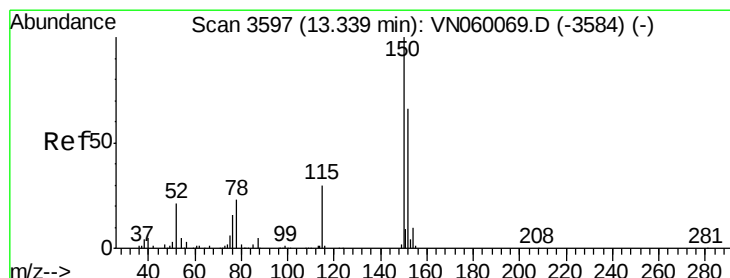
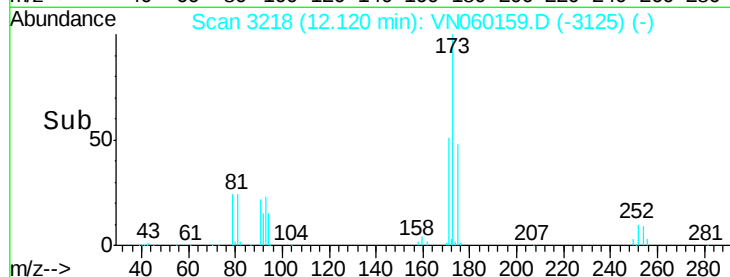
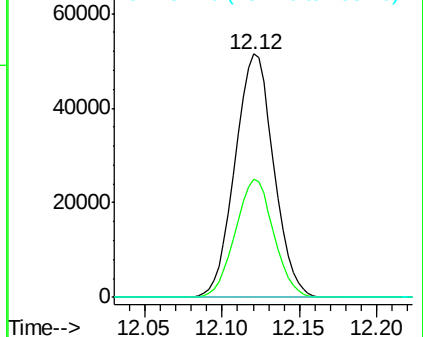
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

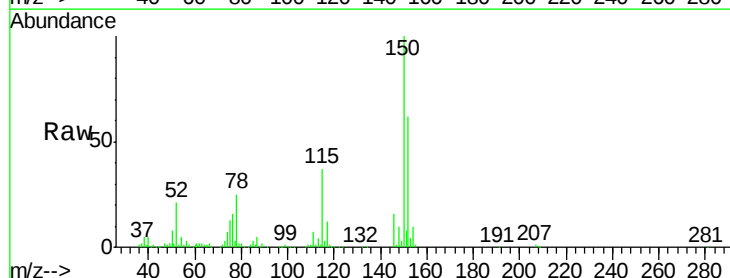
Tgt Ion:152 Resp: 144051

Ion Ratio Lower Upper

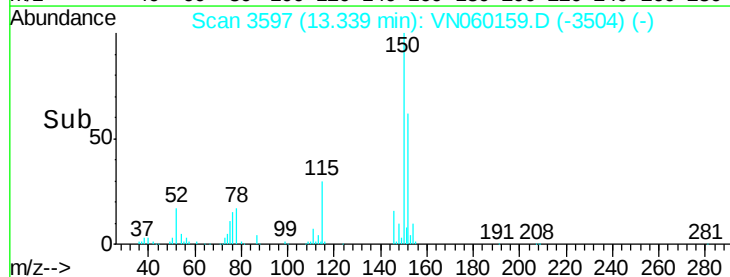
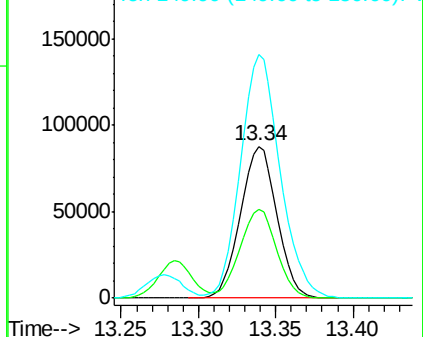
152 100

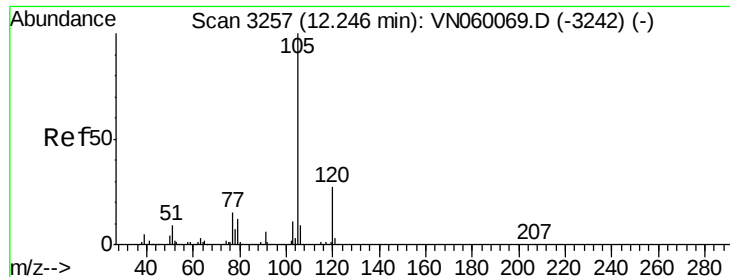
115 58.8 28.9 86.8

150 174.3 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.949 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 494270

Ion Ratio Lower Upper

105 100

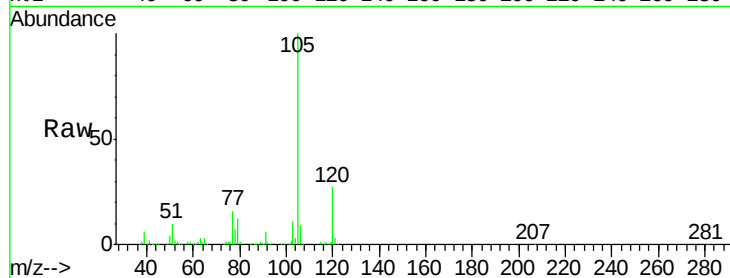
120 26.9 13.3 39.8

Manual Integrations

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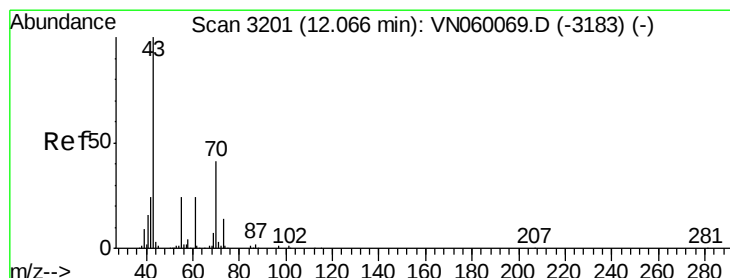
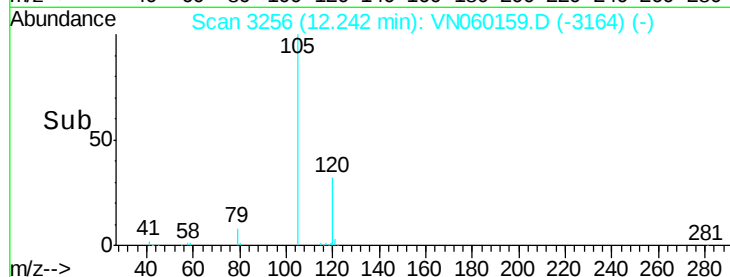
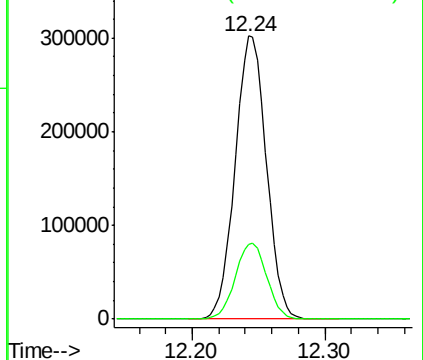
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.065 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion: 43 Resp: 198076

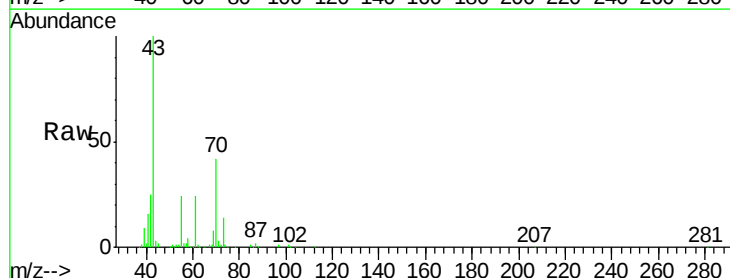
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 24.0 18.8 28.2

61 24.0 19.2 28.8

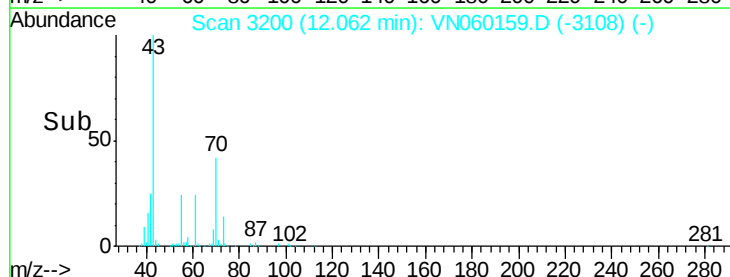
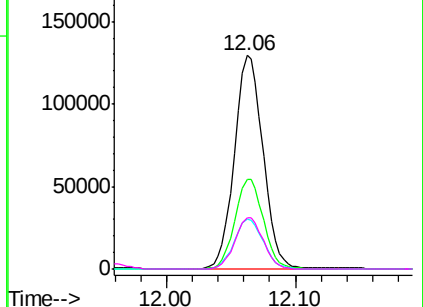


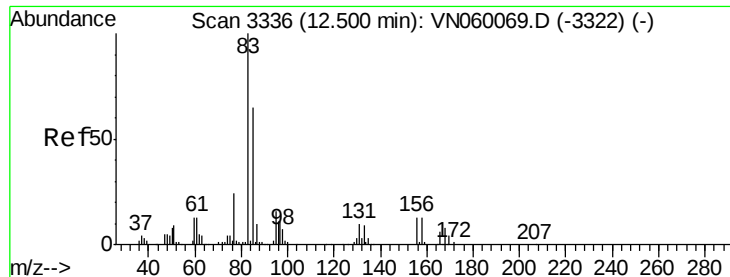
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.570 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

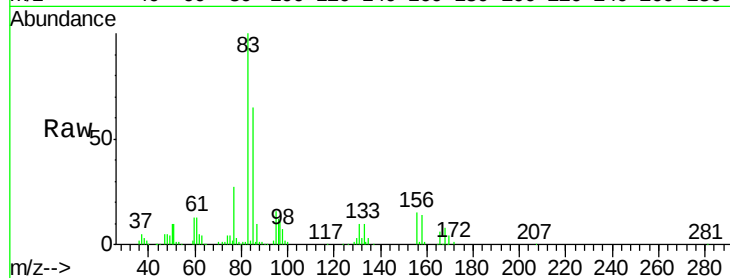
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	153480
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	65.5	32.3	96.9

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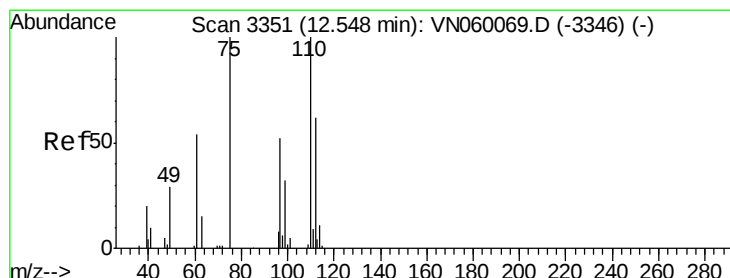
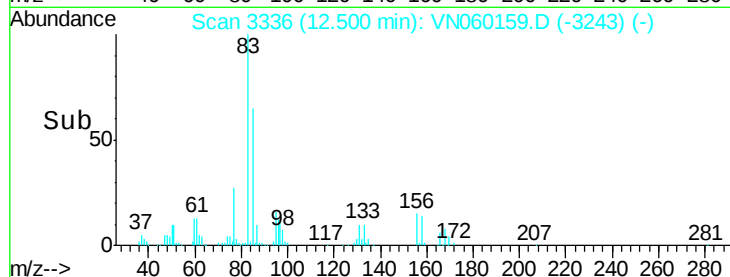
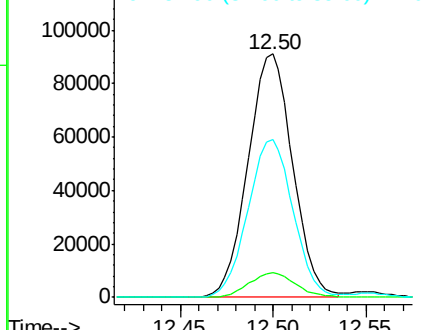
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Abundance Ion 82.90 (82.60 to 83.60): VN060159.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060159.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060159.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 48.105 ug/l m

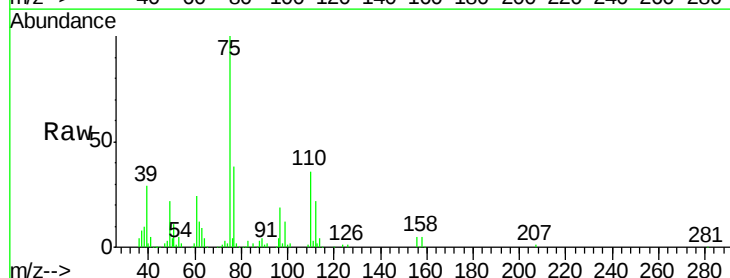
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060159.D

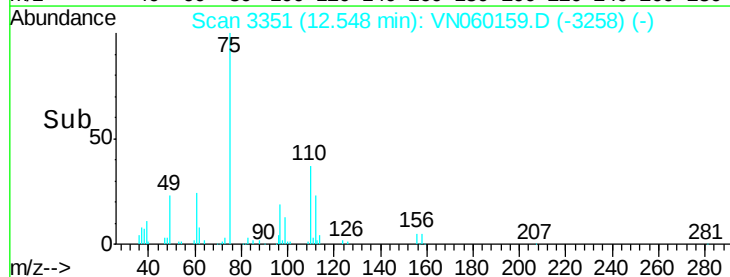
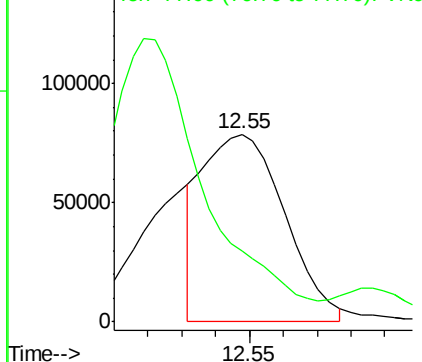
Acq: 19 Feb 2020 17:25

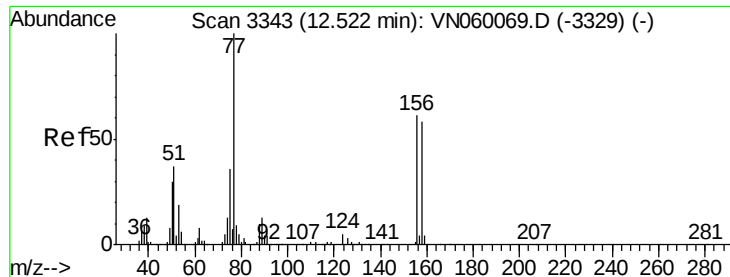
Tgt Ion:	75	Resp:	132578
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060159.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060159.D (-3258) (-)





#77

Bromobenzene

Concen: 46.563 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

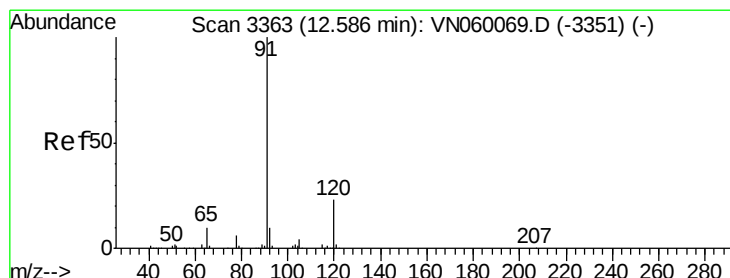
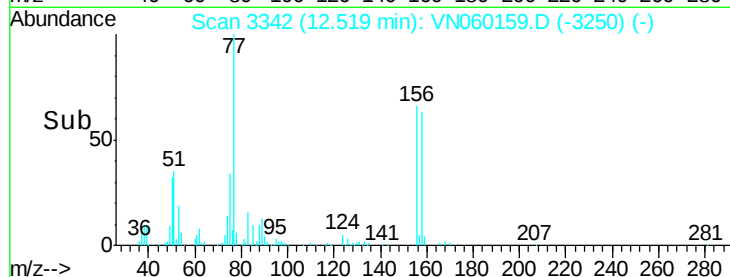
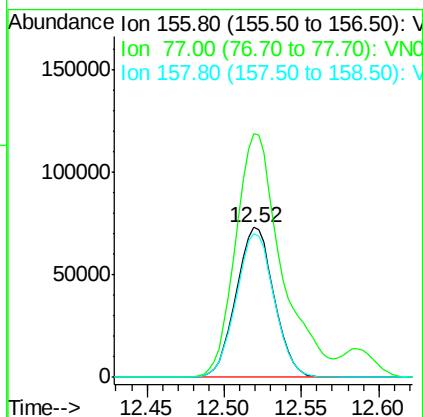
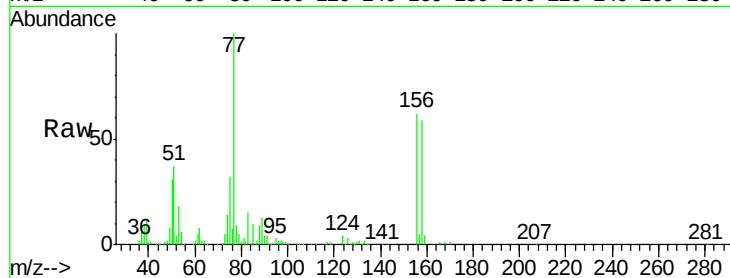
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	124302
Ion Ratio	Lower	Upper	
156	100		
77	198.3	98.7	296.1
158	96.5	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 46.386 ug/l

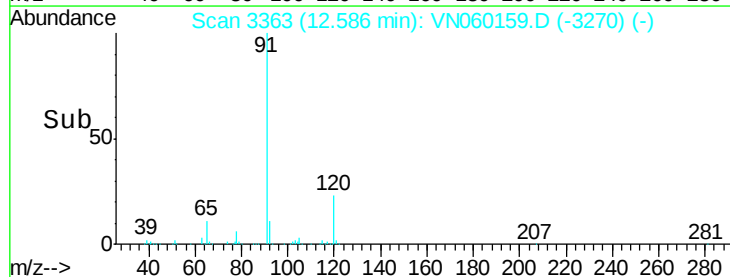
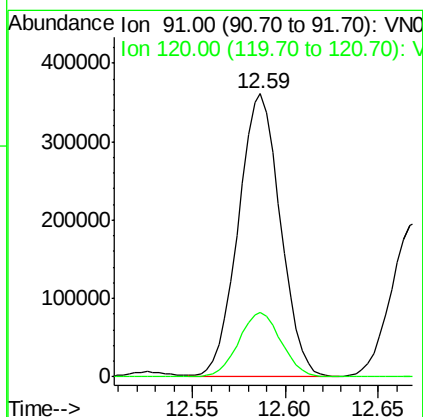
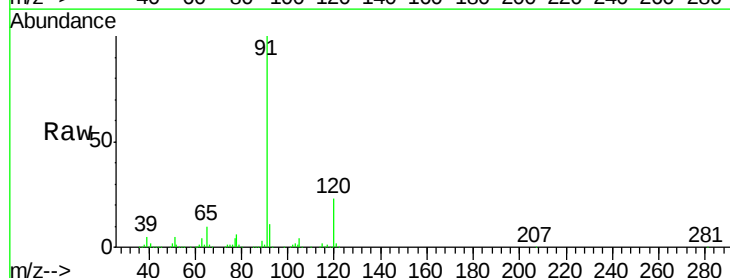
RT: 12.59 min Scan# 3363

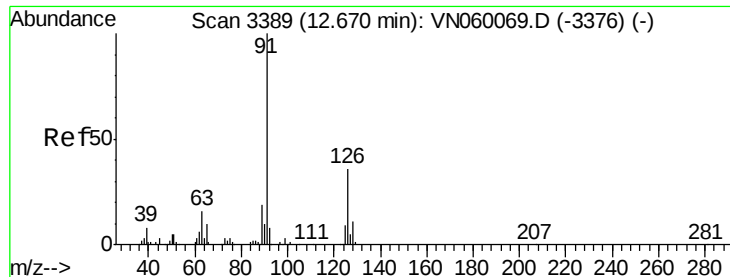
Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	91	Resp:	568498
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 45.963 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 331099

Ion Ratio Lower Upper

91 100

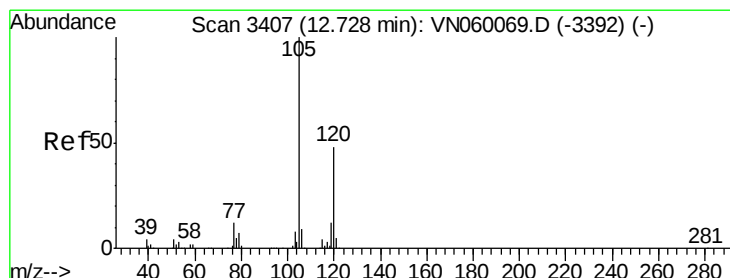
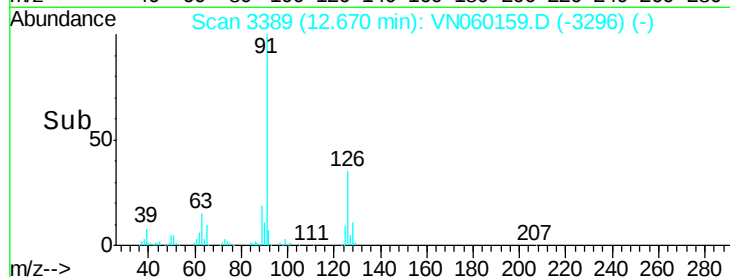
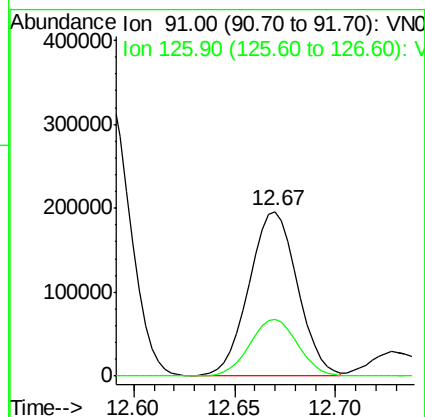
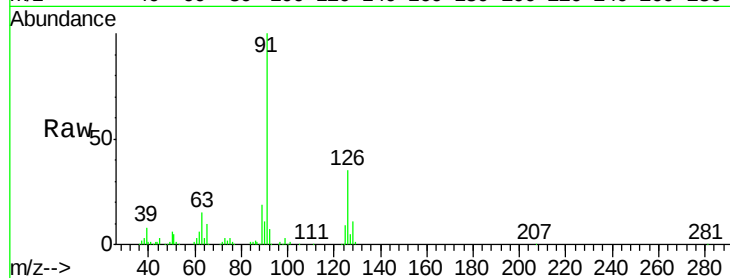
126 34.3 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 46.590 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060159.D

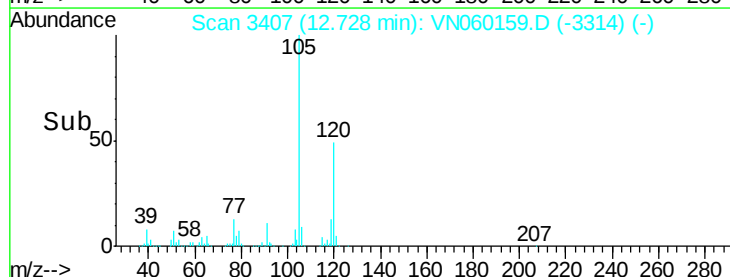
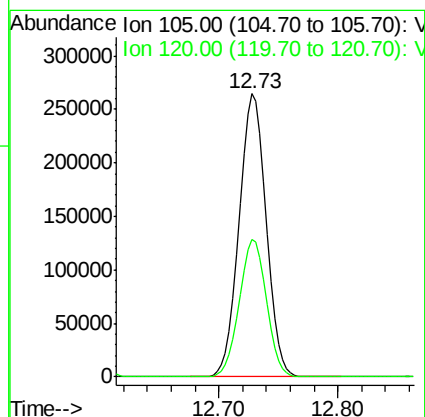
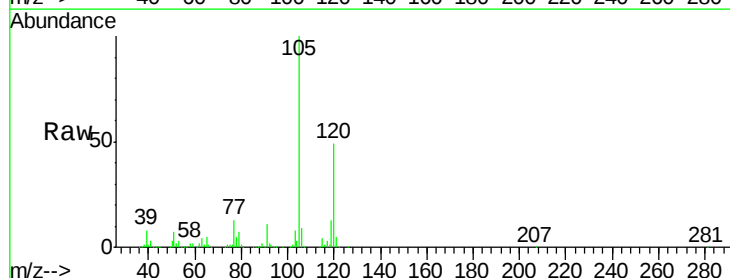
Acq: 19 Feb 2020 17:25

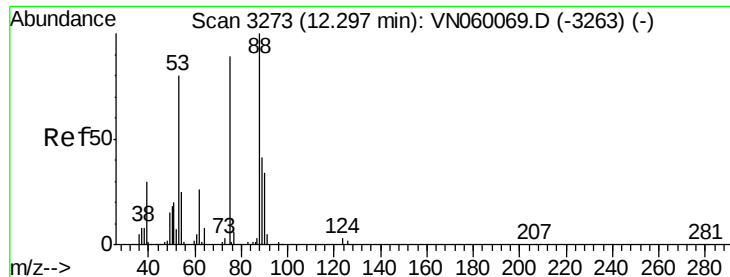
Tgt Ion: 105 Resp: 416696

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.9





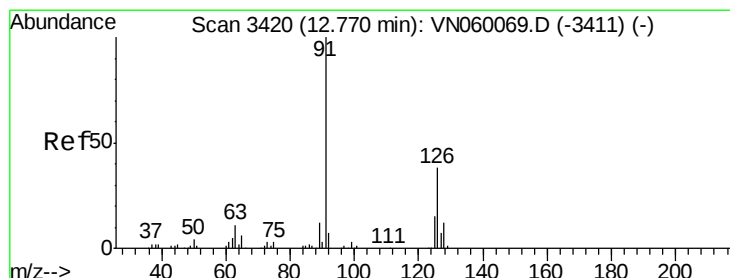
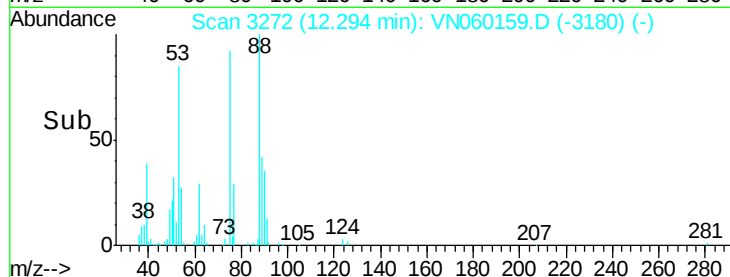
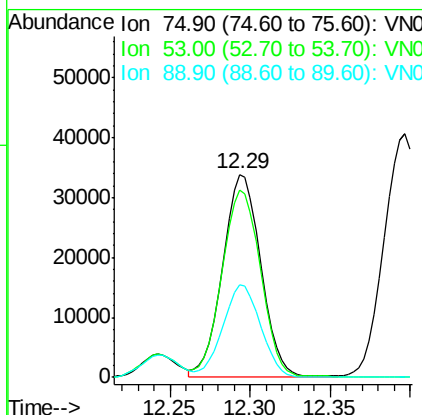
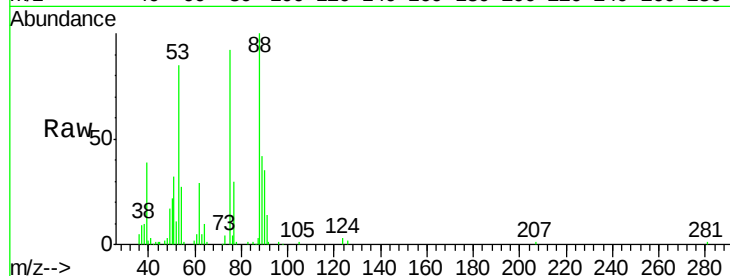
#81
trans-1,4-Dichloro-2-butene
Concen: 49.339 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	73.9	110.9
89	45.0	37.0	55.4

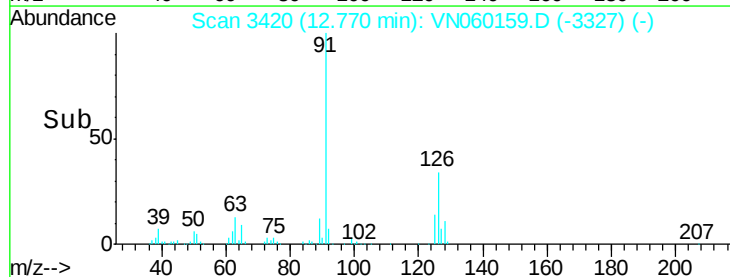
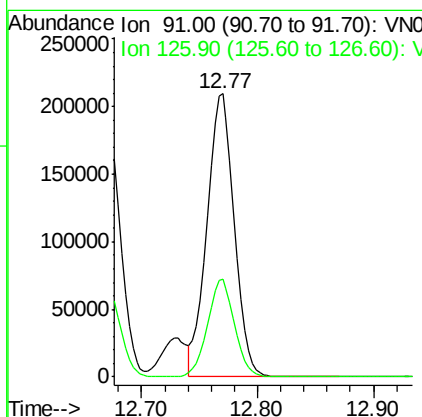
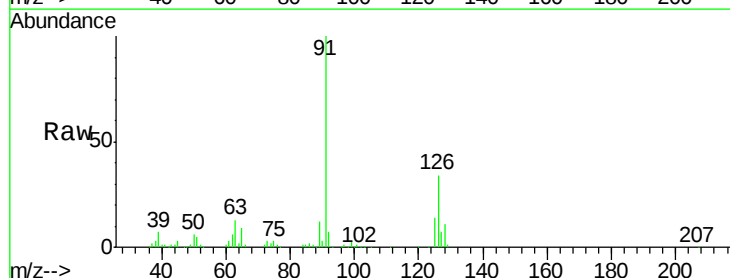
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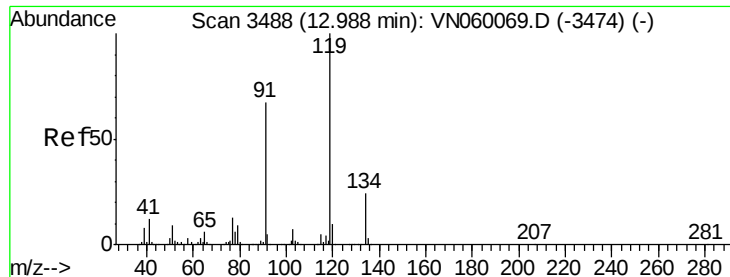
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#82
4-Chlorotoluene
Concen: 46.513 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.1	51.3





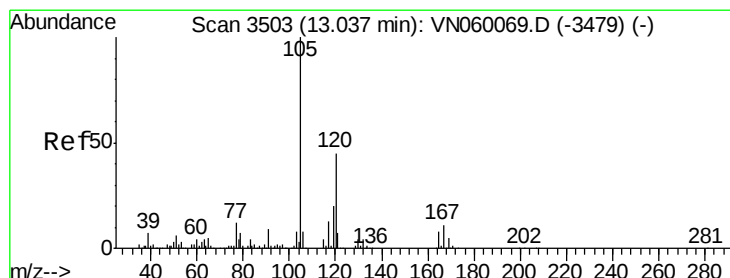
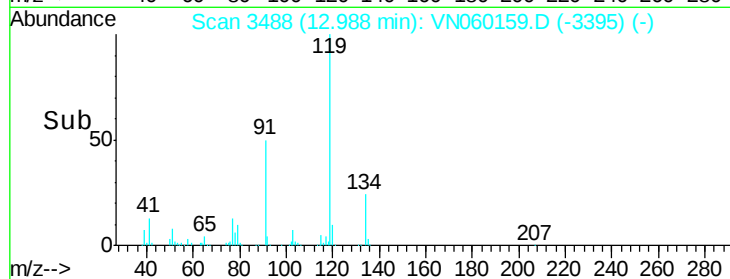
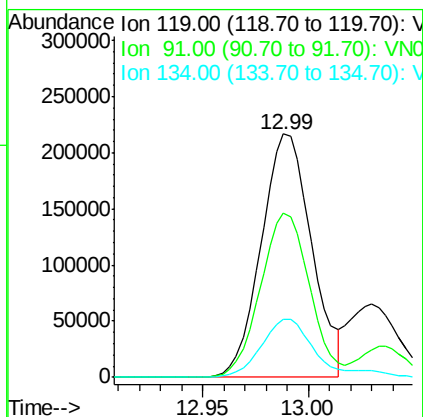
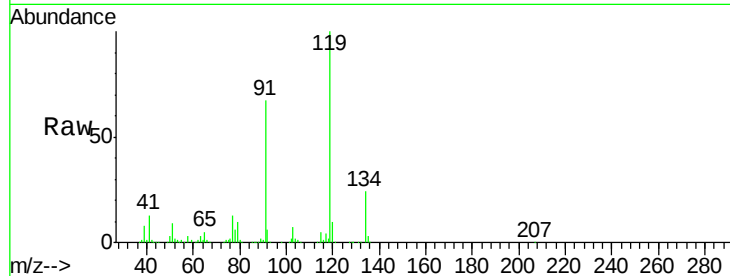
#83
tert-Butylbenzene
Concen: 45.699 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.7	98.1
134	25.8	12.9	38.7

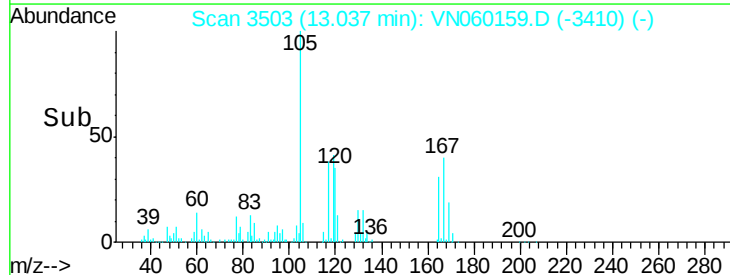
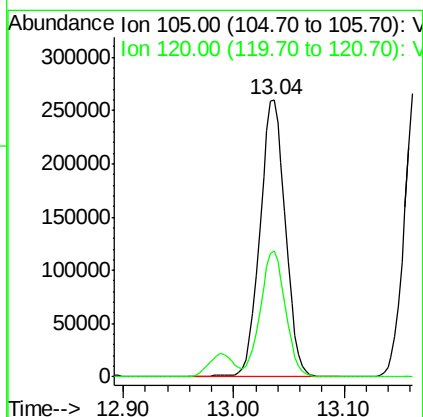
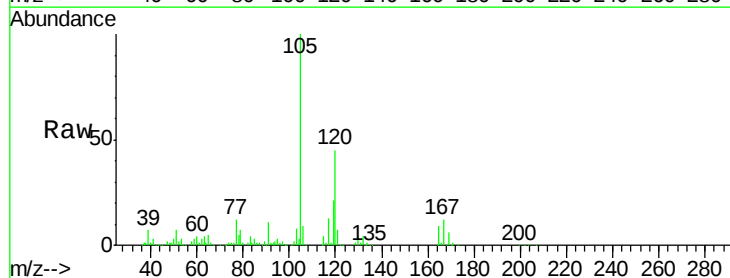
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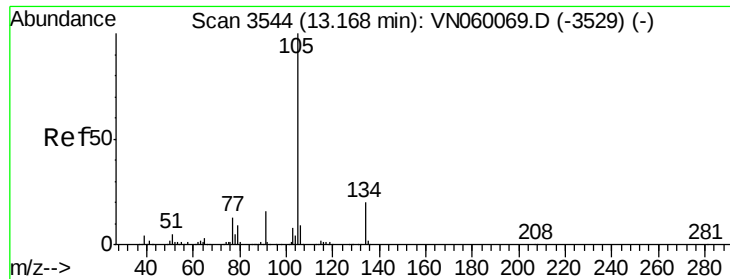
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#84
1,2,4-Trimethylbenzene
Concen: 47.241 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 46.287 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

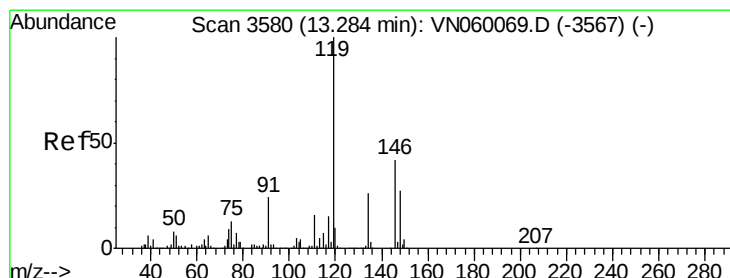
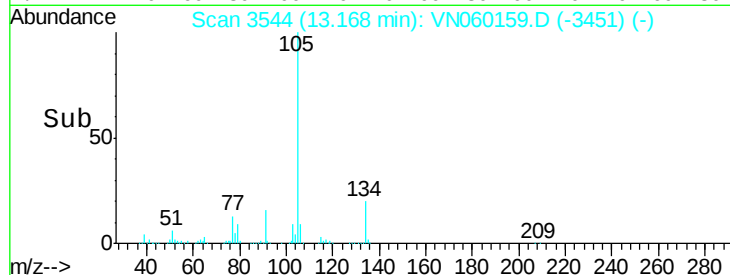
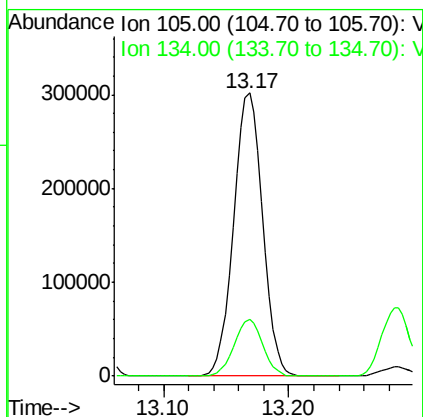
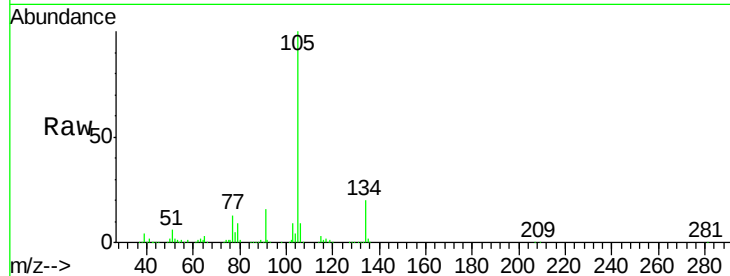
ClientSampleId :

VSTDCCC050EC

Tot Ion:	105	Resp:	485009
Ion Ratio	Lower	Upper	
105	100		
134	19.6	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 46.413 ug/l

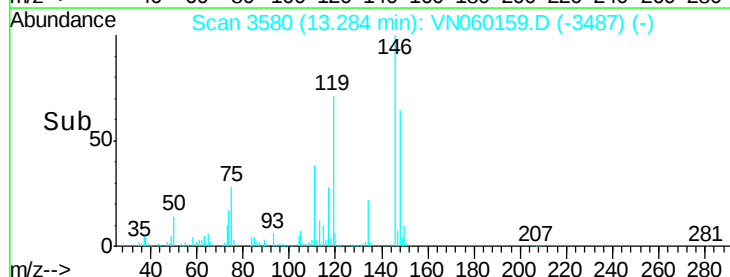
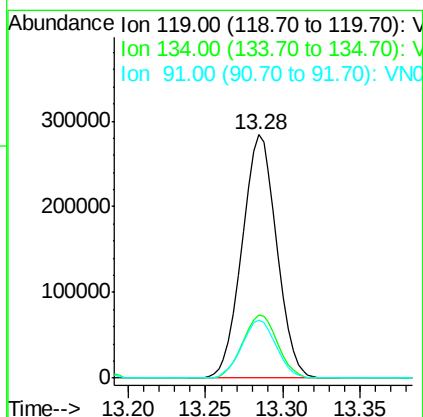
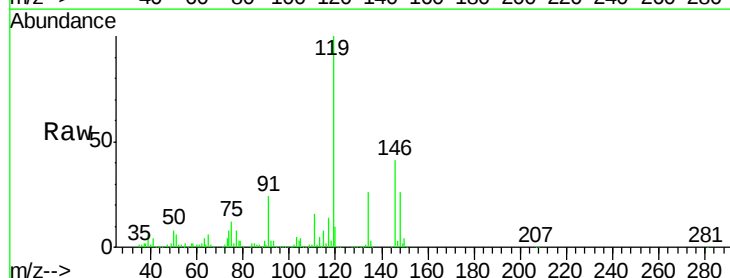
RT: 13.28 min Scan# 3580

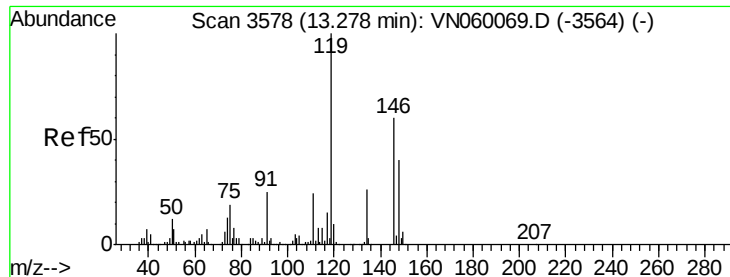
Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	119	Resp:	440630
Ion Ratio	Lower	Upper	
119	100		
134	26.4	13.3	39.8
91	24.0	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 47.364 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060159.D

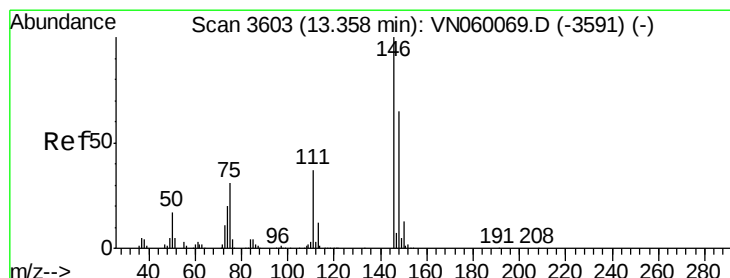
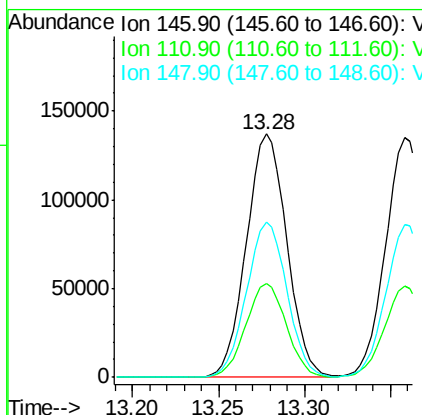
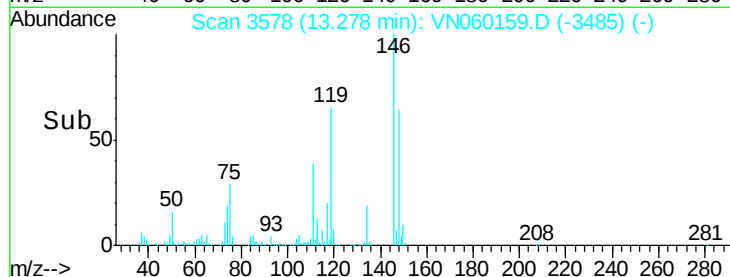
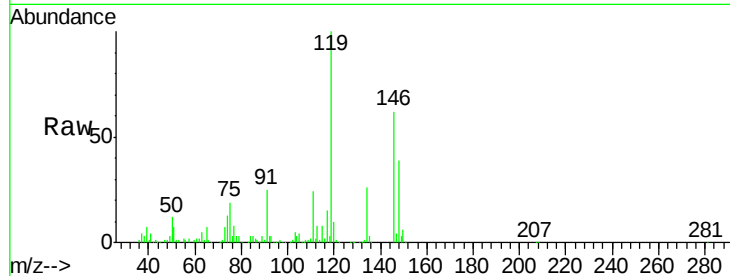
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.8	59.3
148	63.8	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.663 ug/l

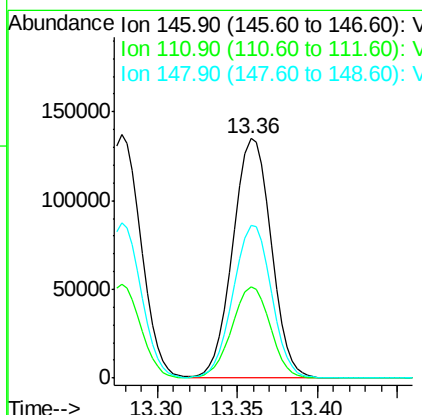
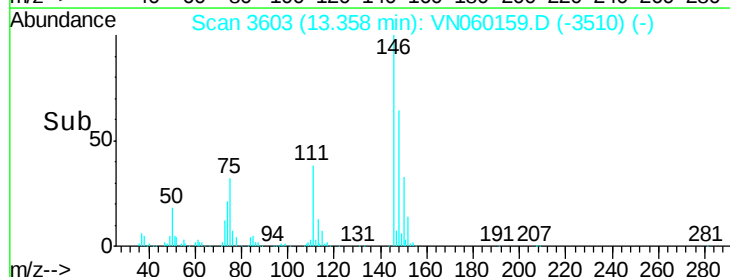
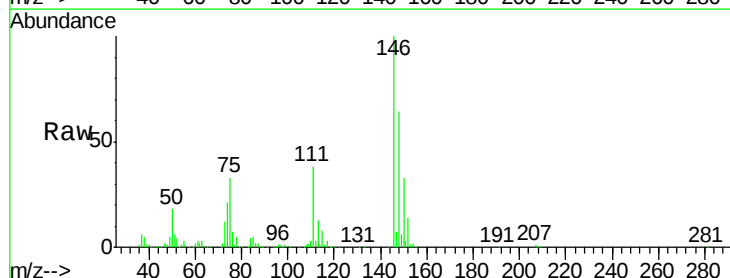
RT: 13.36 min Scan# 3603

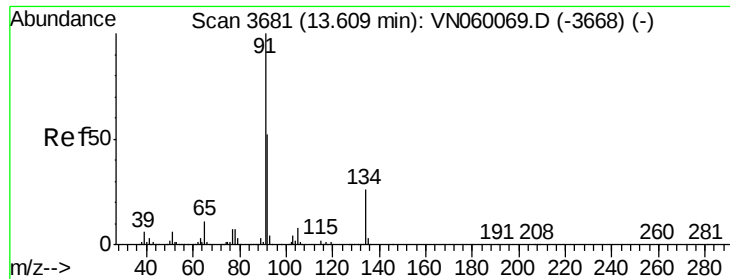
Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	63.8	32.0	96.0





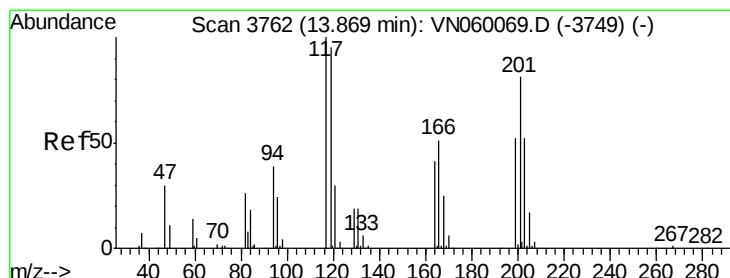
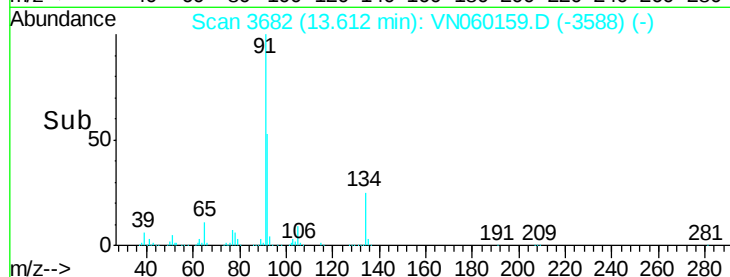
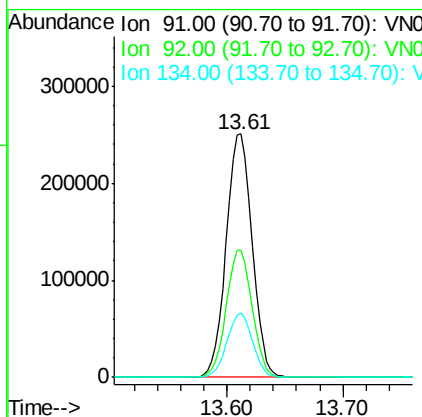
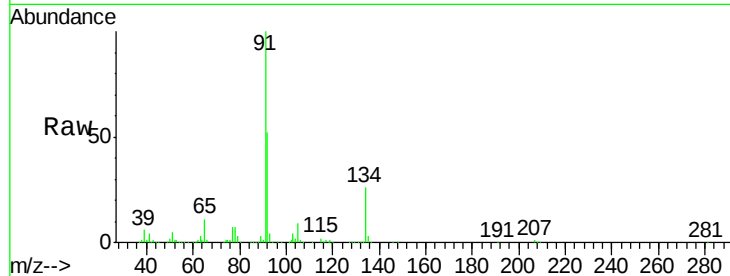
#89
n-Butylbenzene
Concen: 46.510 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	26.0	13.1	39.3

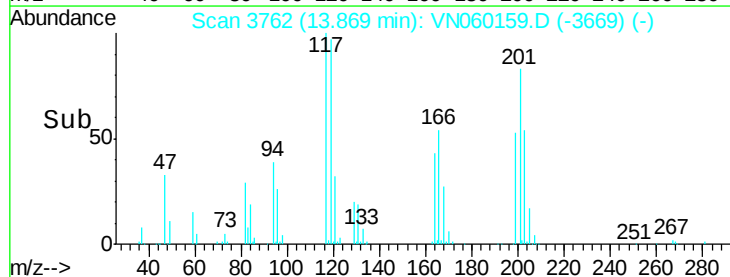
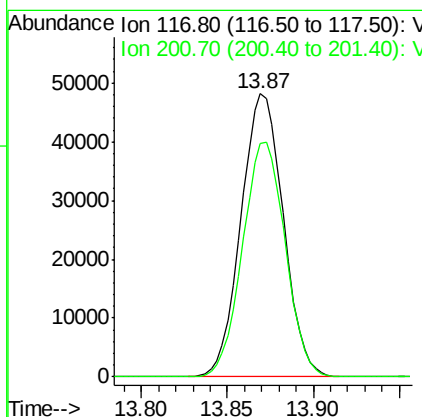
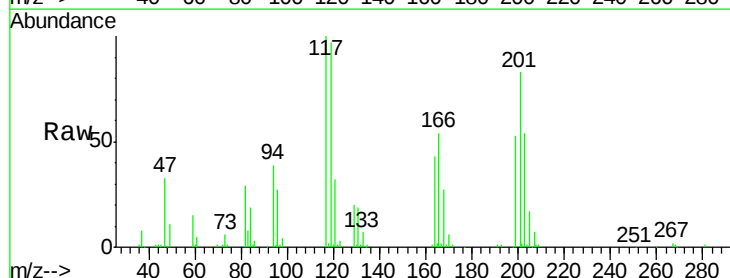
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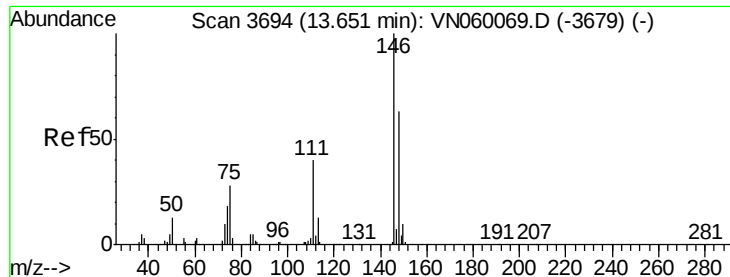
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#90
Hexachloroethane
Concen: 46.457 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 47.045 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

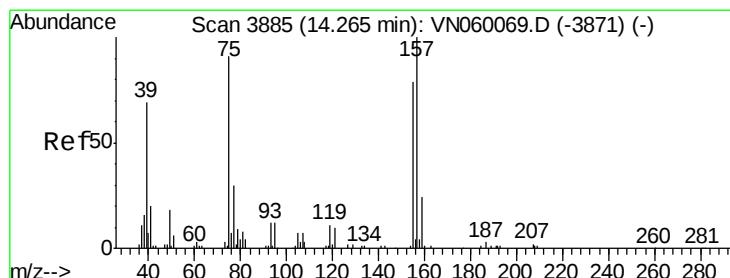
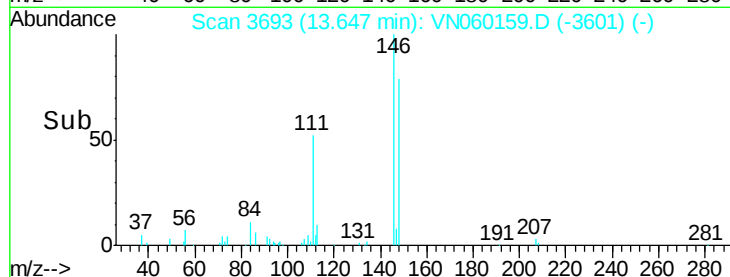
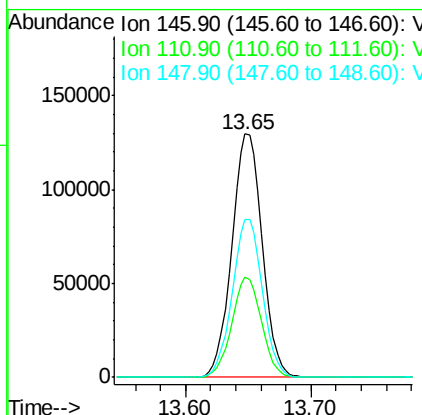
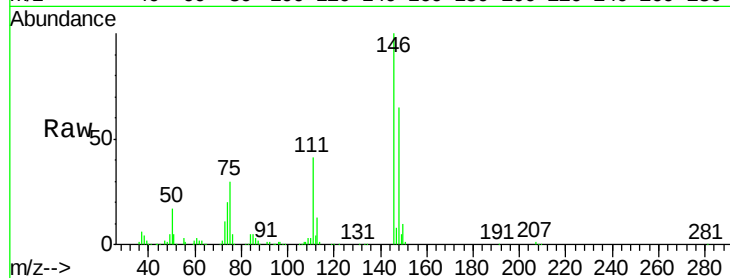
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	217558
Ion Ratio		Lower	Upper
146	100		
111	40.2	20.1	60.2
148	64.4	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.773 ug/l

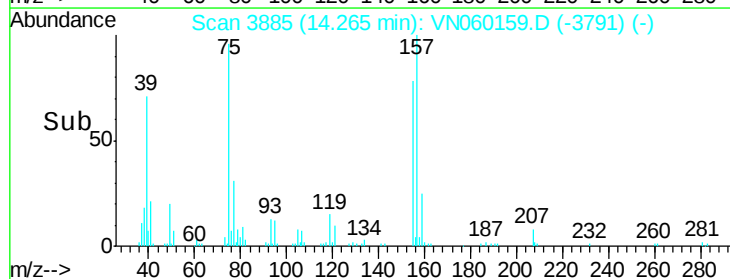
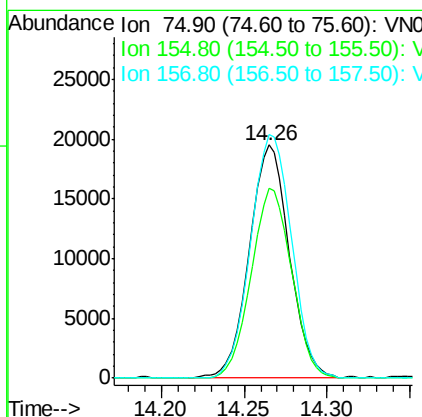
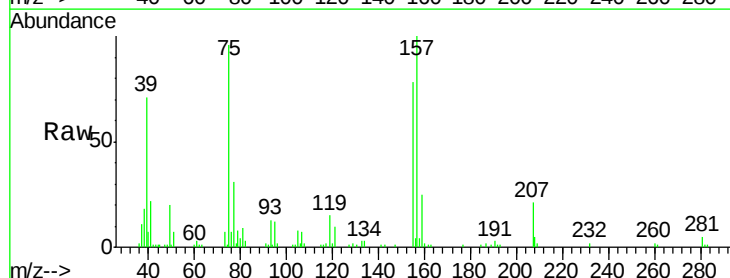
RT: 14.26 min Scan# 3885

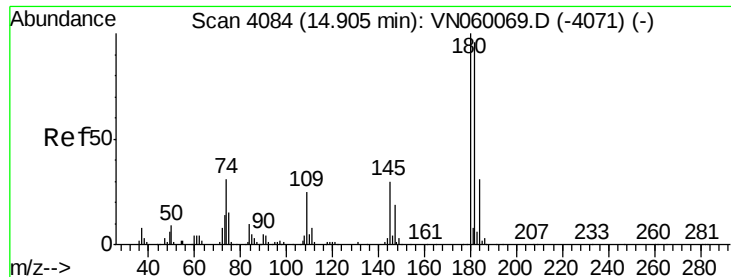
Delta R.T. 0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	75	Resp:	32770
Ion Ratio		Lower	Upper
75	100		
155	82.0	43.0	129.0
157	106.9	54.9	164.5





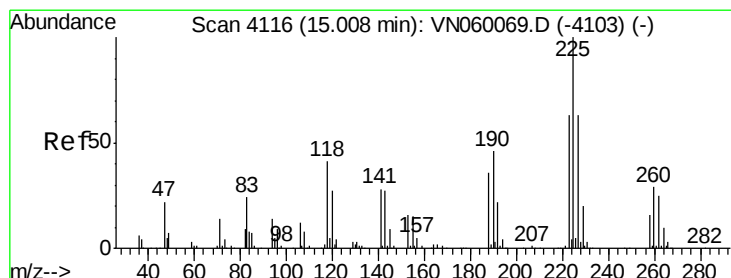
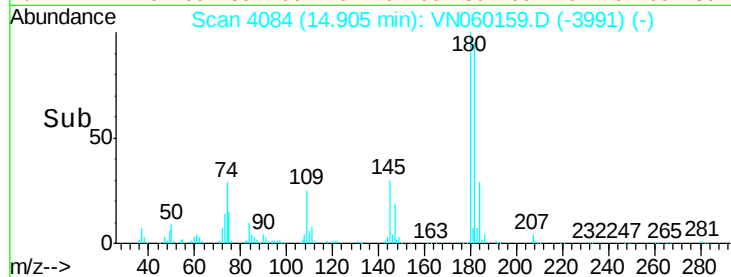
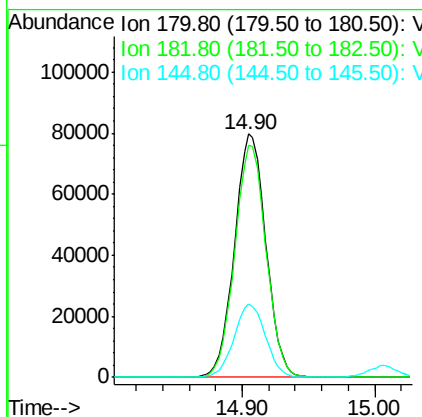
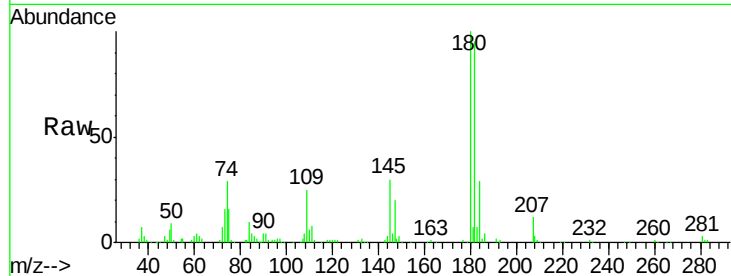
#93
 1,2,4-Trichlorobenzene
 Concen: 48.189 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130941		
182	95.4	47.9	143.8	
145	30.1	15.2	45.5	

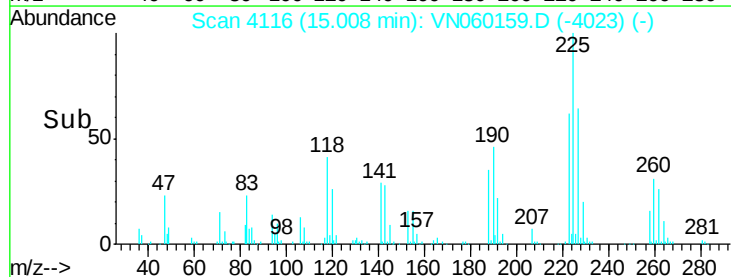
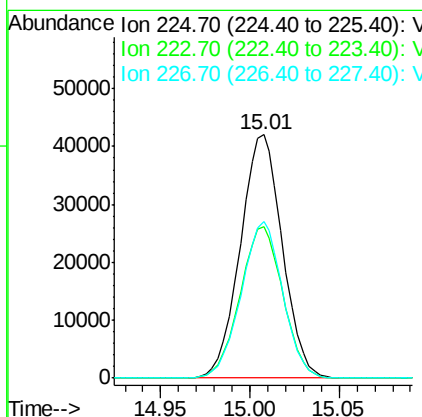
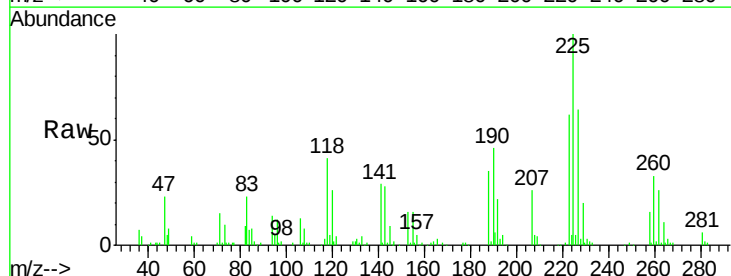
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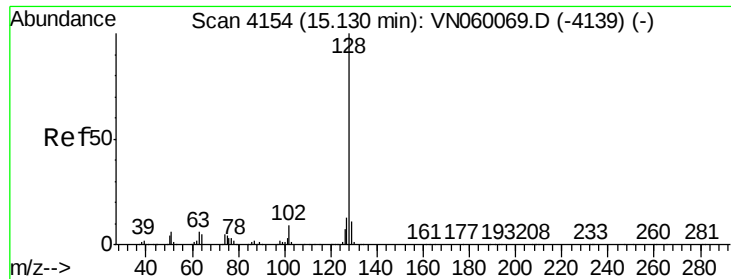
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#94
 Hexachlorobutadiene
 Concen: 43.586 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69333		
223	63.1	31.5	94.5	
227	63.5	31.8	95.4	





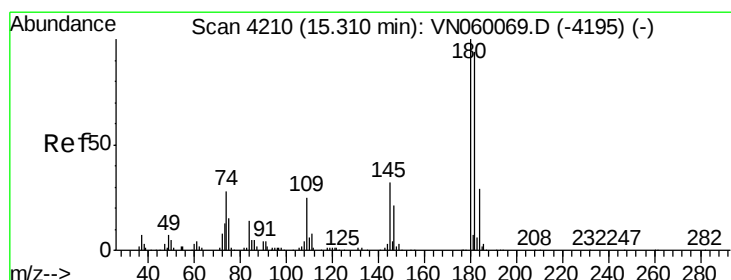
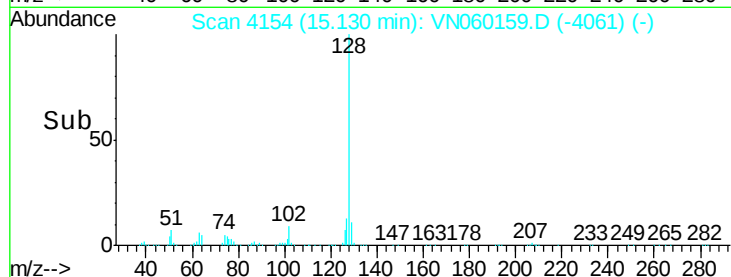
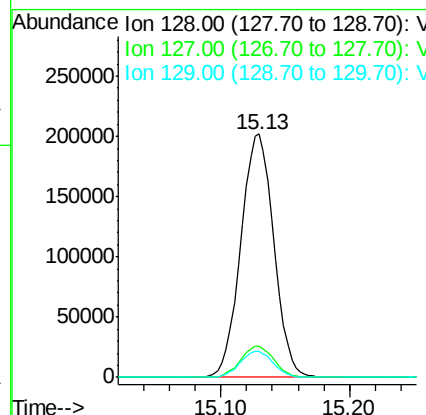
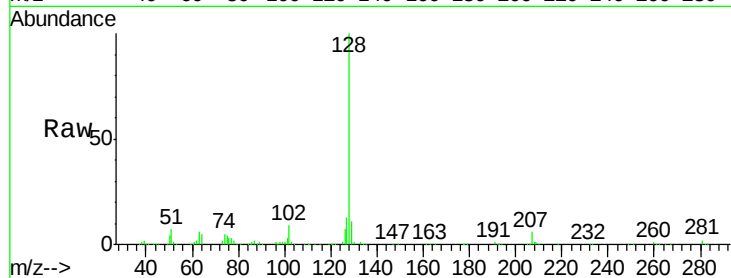
#95
Naphthalene
Concen: 48.880 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	358781		
127	12.9	10.3	15.5	
129	10.8	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 46.640 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	126204		
182	94.7	47.5	142.5	
145	32.2	16.1	48.3	

