

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060051.D
 Acq On : 10 Feb 2020 17:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 11:03:53 AM

Quant Time: Feb 11 07:52:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144490	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	110189	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
35) Dibromofluoromethane	7.57	113	90537	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	10.08	98	335968	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.40	95	129928	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	79632	35.903	ug/l	96
3) Chloromethane	2.04	50	86118	40.148	ug/l	99
4) Vinyl Chloride	2.17	62	113546	46.265	ug/l	98
5) Bromomethane	2.54	94	64527	43.083	ug/l	100
6) Chloroethane	2.68	64	53356	45.953	ug/l	100
7) Trichlorofluoromethane	3.00	101	135031	45.814	ug/l	98
8) Diethyl Ether	3.39	74	51031	49.336	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80099	48.829	ug/l	94
10) Methyl Iodide	3.93	142	106120	40.022	ug/l	97
11) Tert butyl alcohol	4.73	59	84163	240.284	ug/l	99
12) 1,1-Dichloroethene	3.72	96	75008	43.759	ug/l	90
13) Acrolein	3.58	56	73588	296.792	ug/l	98
14) Allyl chloride	4.30	41	112317	48.613	ug/l #	86
15) Acrylonitrile	4.94	53	218337	273.270	ug/l	99
16) Acetone	3.78	43	190486	269.193	ug/l	97
17) Carbon Disulfide	4.03	76	170507	34.919	ug/l	99
18) Methyl Acetate	4.29	43	133573	54.961	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	292856	52.401	ug/l	95
20) Methylene Chloride	4.52	84	90597	48.078	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	83277	45.705	ug/l	87
22) Diisopropyl ether	5.92	45	277869	53.071	ug/l	94
23) Vinyl Acetate	5.86	43	1078082	265.943	ug/l	96
24) 1,1-Dichloroethane	5.82	63	161871	50.597	ug/l	98
25) 2-Butanone	6.80	43	289128	245.387	ug/l	92
26) 2,2-Dichloropropane	6.80	77	151749	49.339	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	103194	49.241	ug/l	91
28) Bromochloromethane	7.17	49	65915	51.549	ug/l #	78
29) Tetrahydrofuran	7.18	42	190480	261.287	ug/l	90
30) Chloroform	7.35	83	176801	53.337	ug/l	100
31) Cyclohexane	7.63	56	128106	41.614	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	157170	51.281	ug/l	96
36) 1,1-Dichloropropene	7.77	75	121330	46.033	ug/l	96
37) Ethyl Acetate	6.90	43	119220	48.227	ug/l	96
38) Carbon Tetrachloride	7.75	117	136438	47.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142105	43.726	ug/l	92
40) Benzene	8.02	78	366520	46.627	ug/l	99
41) Methacrylonitrile	7.15	41	55979m	45.973	ug/l	
42) 1,2-Dichloroethane	8.10	62	138584	51.998	ug/l	98
43) Isopropyl Acetate	8.14	43	212588	49.996	ug/l	96
44) Trichloroethene	8.82	130	100882	47.012	ug/l	93
45) 1,2-Dichloropropane	9.10	63	98475	50.626	ug/l	98
46) Dibromomethane	9.19	93	69238	50.461	ug/l	93
47) Bromodichloromethane	9.39	83	145095	52.475	ug/l	99
48) Methyl methacrylate	9.18	41	95132	50.018	ug/l	92
49) 1,4-Dioxane	9.18	88	31087	892.849	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	648584	263.867	ug/l	96
52) Toluene	10.14	92	241320	48.603	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	160258	51.907	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	167850	51.670	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	104221	52.998	ug/l	95
56) Ethyl methacrylate	10.42	69	151545	50.434	ug/l	94
57) 1,3-Dichloropropane	10.70	76	163893	52.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	256400	283.296	ug/l	93
59) 2-Hexanone	10.74	43	474222	261.883	ug/l	95
60) Dibromochloromethane	10.89	129	118737	53.023	ug/l	100
61) 1,2-Dibromoethane	11.00	107	106263	51.556	ug/l	99
64) Tetrachloroethene	10.62	164	88224	38.310	ug/l	96
65) Chlorobenzene	11.43	112	267470	48.159	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	107571	50.126	ug/l	99
67) Ethyl Benzene	11.51	91	483295	47.936	ug/l	98
68) m/p-Xylenes	11.62	106	359854	94.489	ug/l	96
69) o-Xylene	11.94	106	175782	47.146	ug/l	97
70) Styrene	11.96	104	295380	47.344	ug/l	98
71) Bromoform	12.12	173	92279	53.682	ug/l #	99
73) Isopropylbenzene	12.25	105	485213	45.789	ug/l	99
74) N-amyl acetate	12.06	43	194737	47.359	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	157052	51.123	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	137691m	56.625	ug/l	
77) Bromobenzene	12.52	156	122969	45.824	ug/l	87
78) n-propylbenzene	12.59	91	553246	46.515	ug/l	99
79) 2-Chlorotoluene	12.67	91	329080	46.509	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	407222	45.694	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	56144	49.584	ug/l	96
82) 4-Chlorotoluene	12.77	91	336644	47.435	ug/l	97
83) tert-Butylbenzene	12.99	119	360655	46.791	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	409029	46.393	ug/l	99
85) sec-Butylbenzene	13.17	105	478062	47.208	ug/l	99
86) p-Isopropyltoluene	13.28	119	439516	46.905	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	222757	47.787	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	219909	47.290	ug/l	98
89) n-Butylbenzene	13.61	91	383549	48.007	ug/l	99
90) Hexachloroethane	13.87	117	84041	47.937	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	217542	47.206	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33076	50.170	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	137197	49.546	ug/l	98
94) Hexachlorobutadiene	15.01	225	71412	46.799	ug/l	98
95) Naphthalene	15.13	128	381412	48.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133120	49.390	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 187356

Ion Ratio Lower Upper

168 100

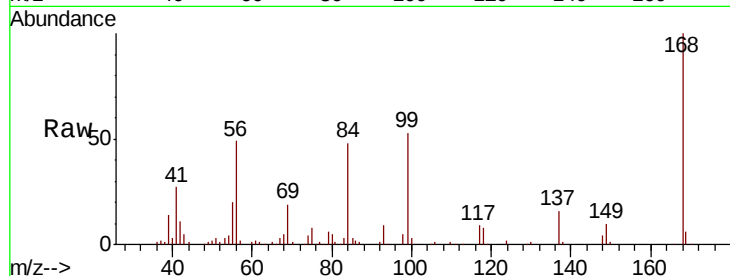
99 52.8 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

80000

60000

40000

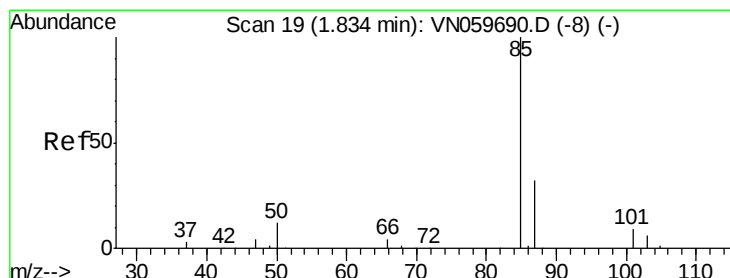
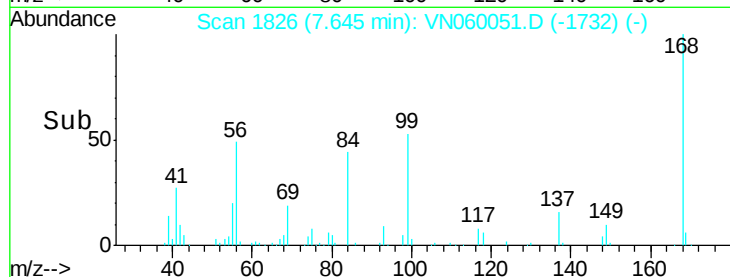
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 35.903 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060051.D

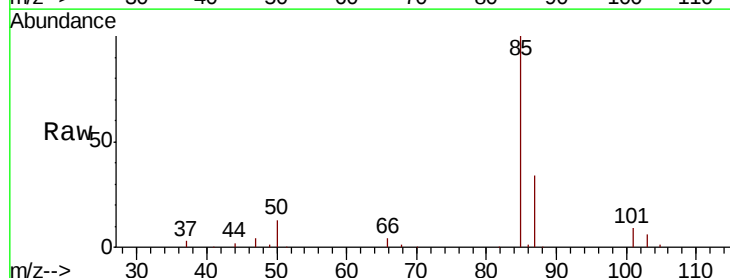
Acq: 10 Feb 2020 17:04

Tgt Ion: 85 Resp: 79632

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

40000

20000

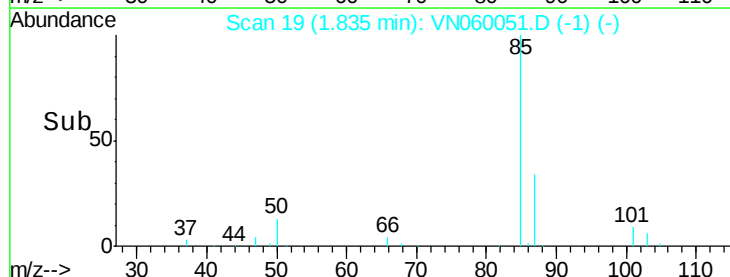
0

1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 40.148 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 86118

Ion Ratio Lower Upper

50 100

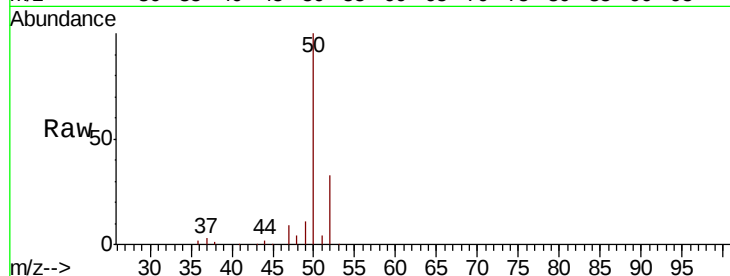
52 33.1 25.9 38.9

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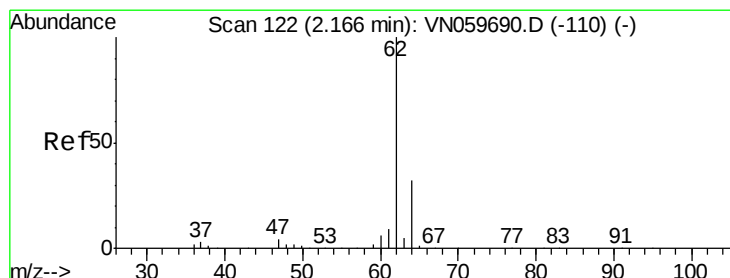
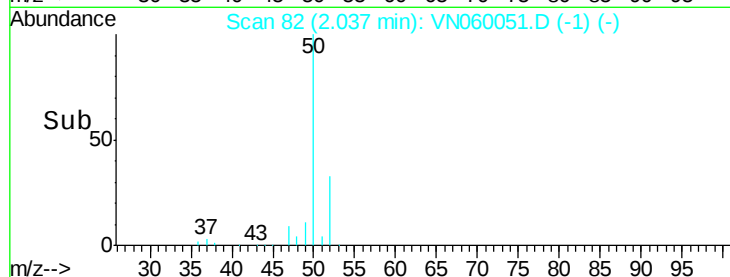
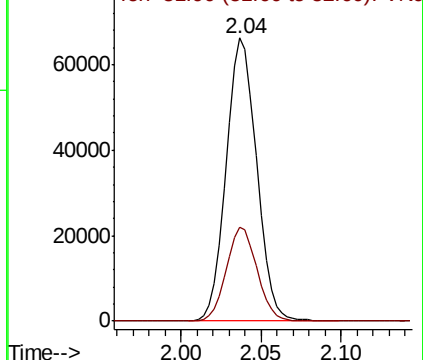
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.265 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060051.D

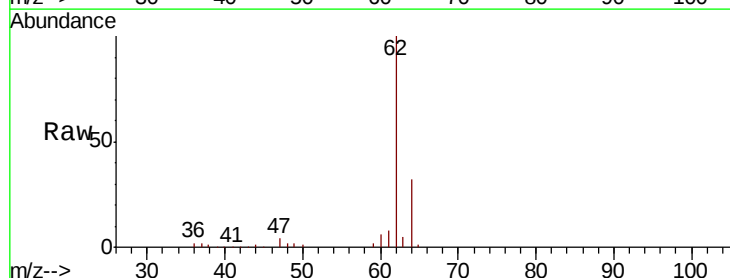
Acq: 10 Feb 2020 17:04

Tgt Ion: 62 Resp: 113546

Ion Ratio Lower Upper

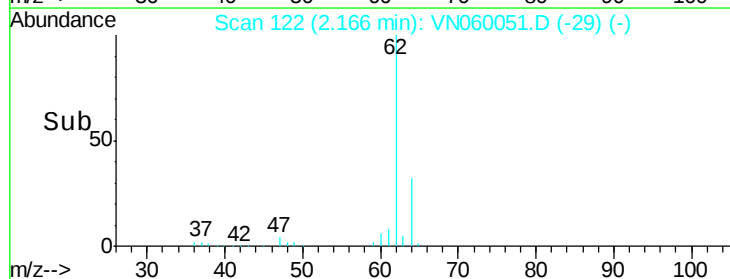
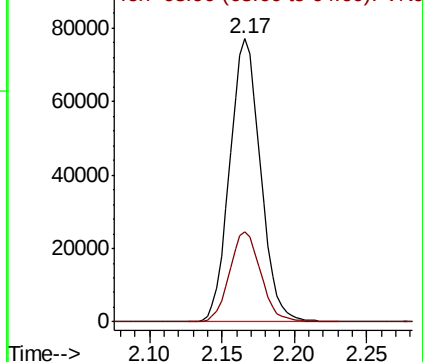
62 100

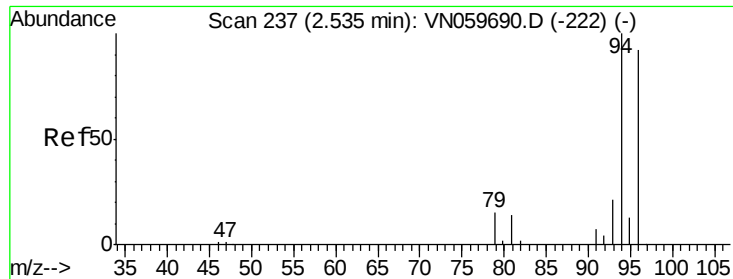
64 31.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.083 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64527

Ion Ratio Lower Upper

94 100

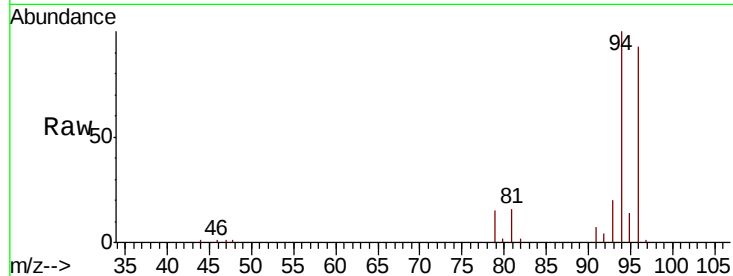
96 92.9 74.7 112.1

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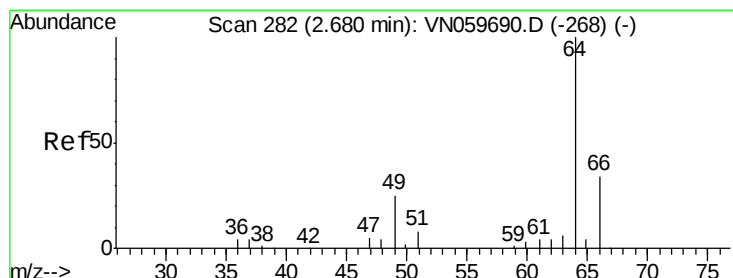
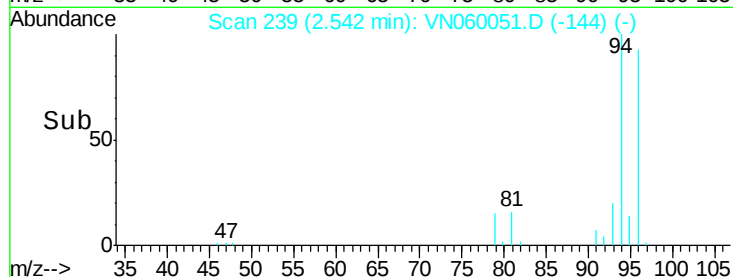
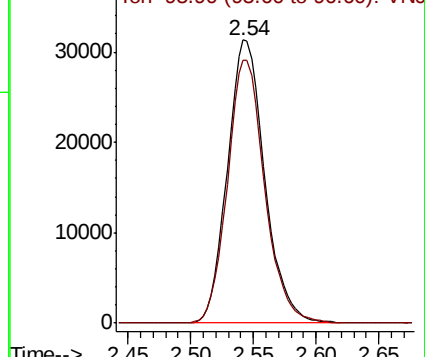
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.953 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060051.D

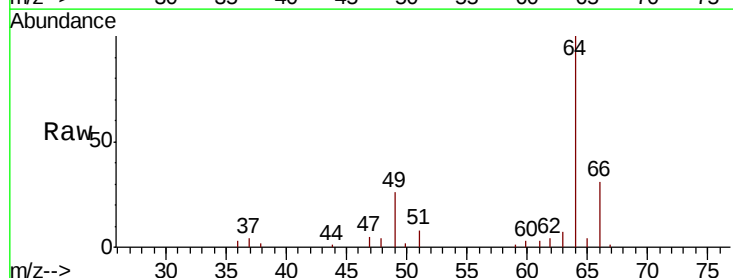
Acq: 10 Feb 2020 17:04

Tgt Ion: 64 Resp: 53356

Ion Ratio Lower Upper

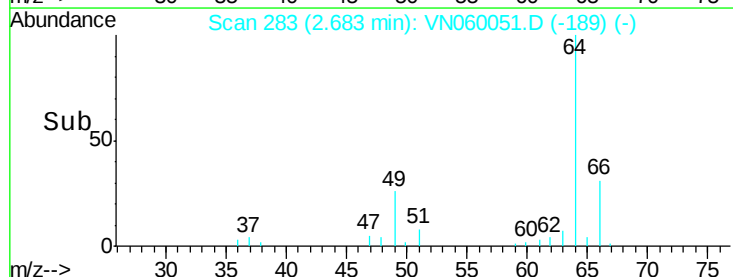
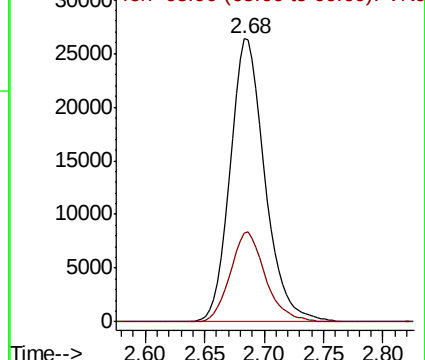
64 100

66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

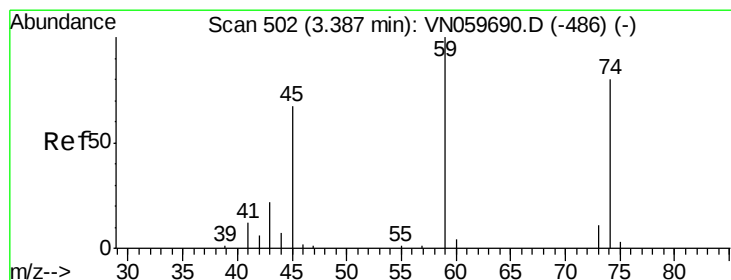
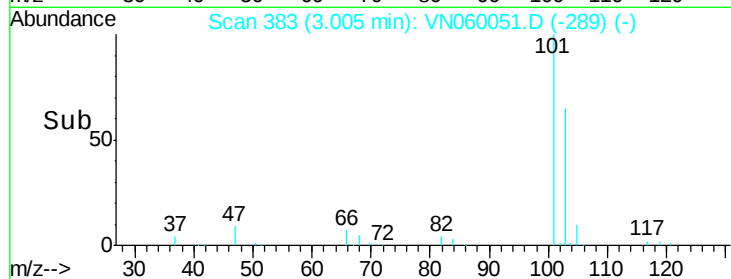
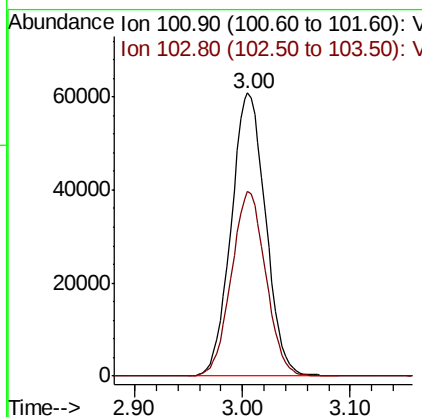
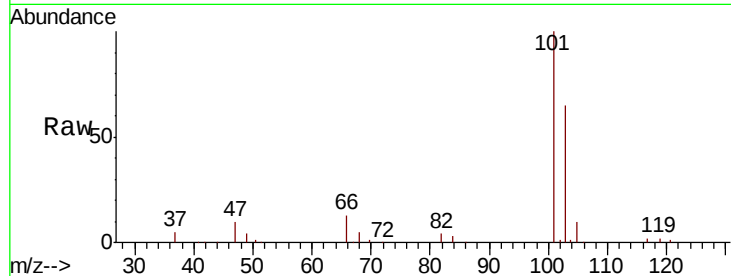
Trichlorofluoromethane
Concen: 45.814 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060051.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100				
103	65.2	51.0	76.6		

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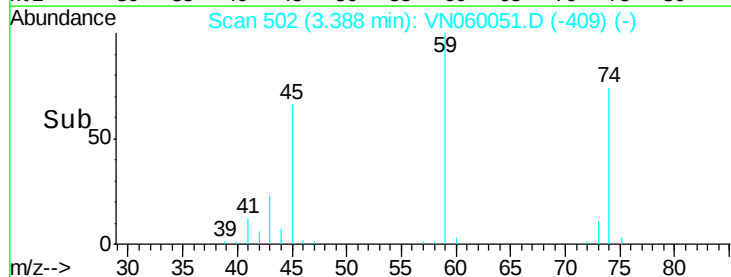
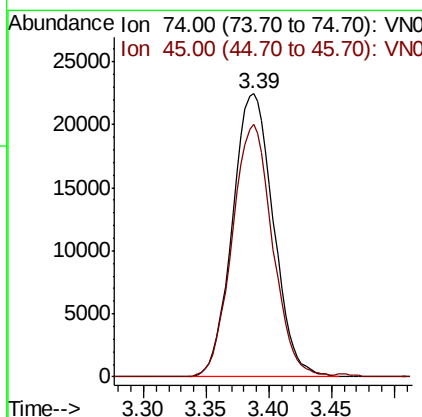
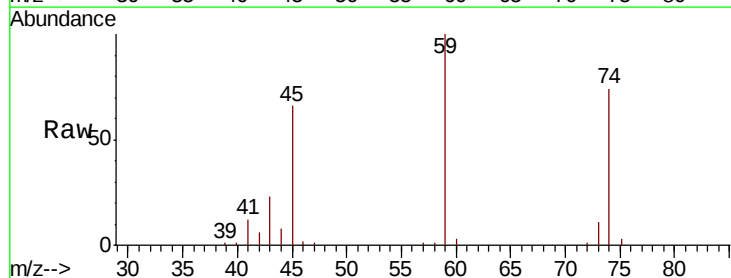
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#8

Diethyl Ether
Concen: 49.336 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100				
45	88.0	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.829 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

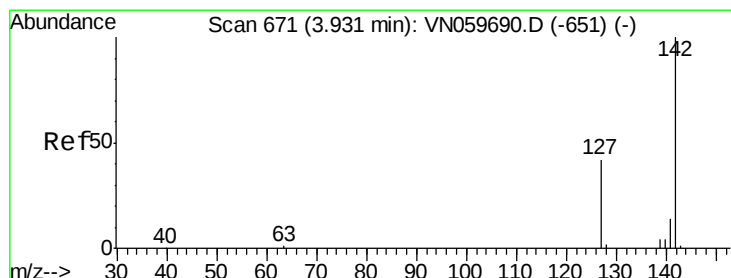
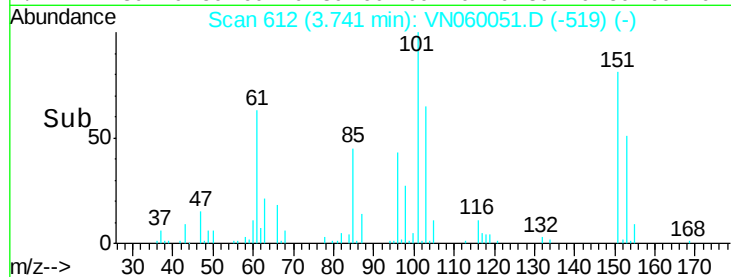
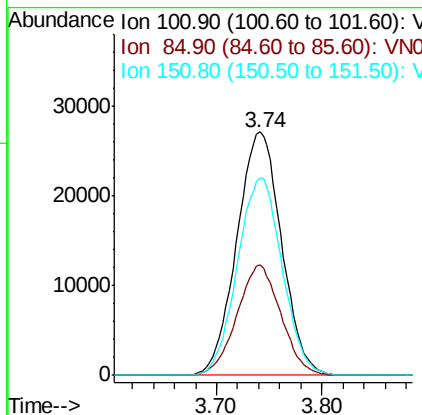
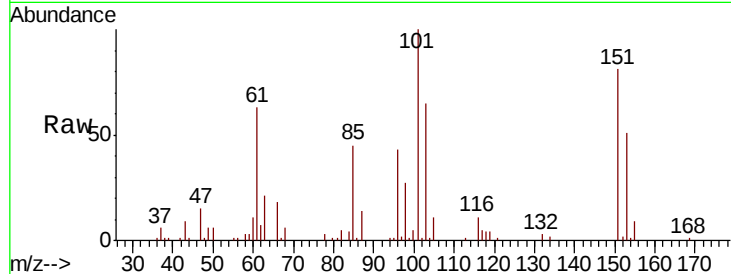
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	80099
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.6	54.8
151	81.3	59.7	89.5

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#10

Methyl Iodide

Concen: 40.022 ug/l

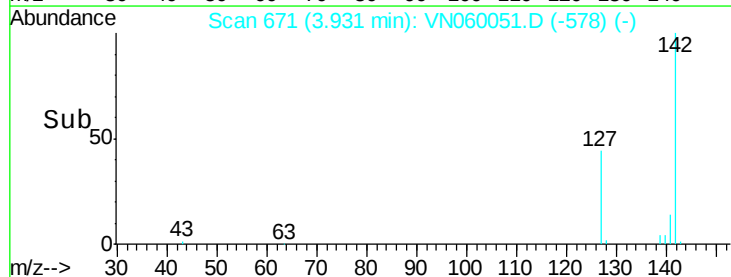
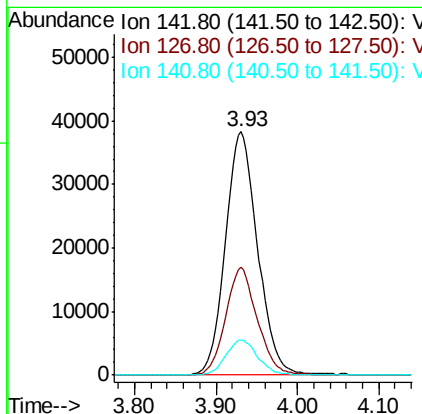
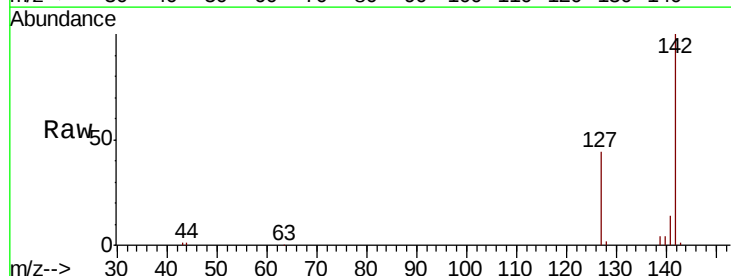
RT: 3.93 min Scan# 671

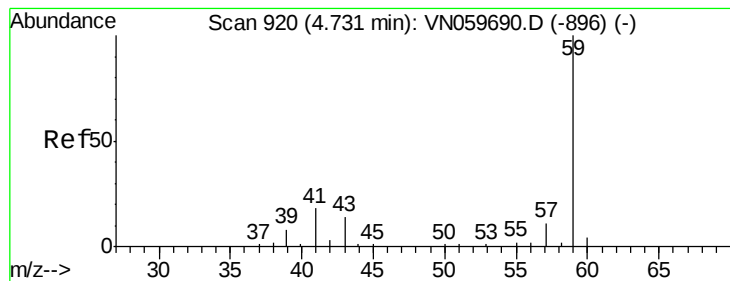
Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Tgt Ion:	142	Resp:	106120
Ion Ratio	Lower	Upper	
142	100		
127	43.4	36.7	55.1
141	14.2	11.7	17.5





#11

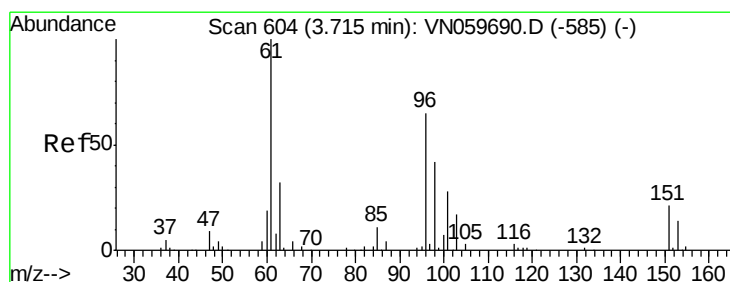
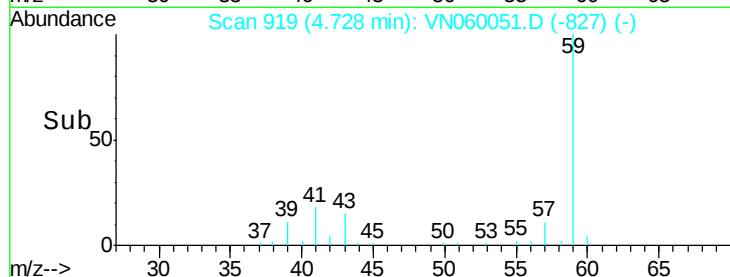
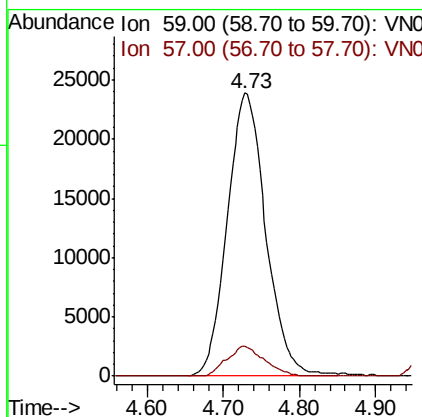
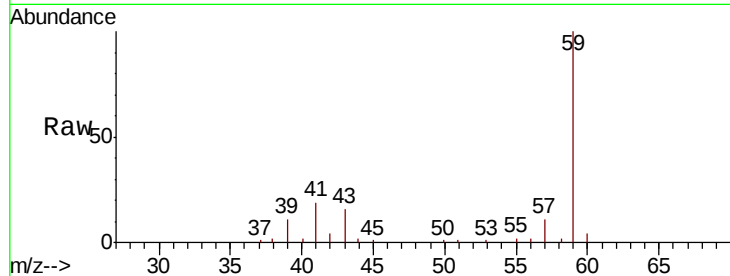
Tert butyl alcohol
 Concen: 240.284 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

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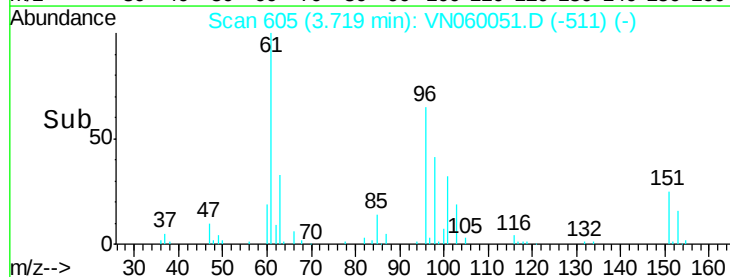
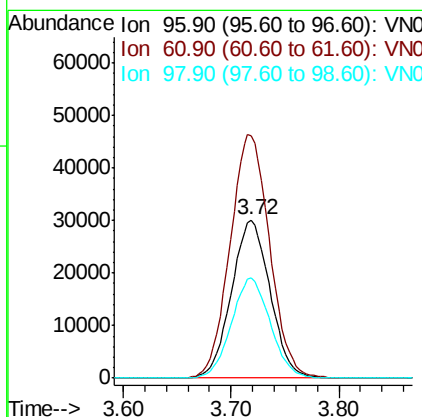
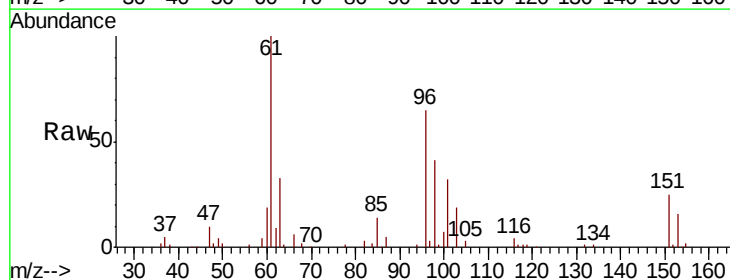
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 2/11/2020 11:03:53 AM



#12

1,1-Dichloroethene
 Concen: 43.759 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	137.5	206.3
98	63.1	50.2	75.4





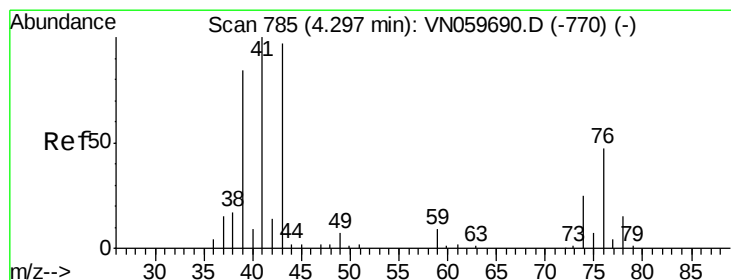
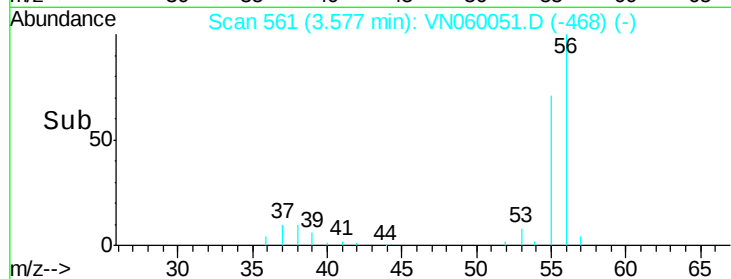
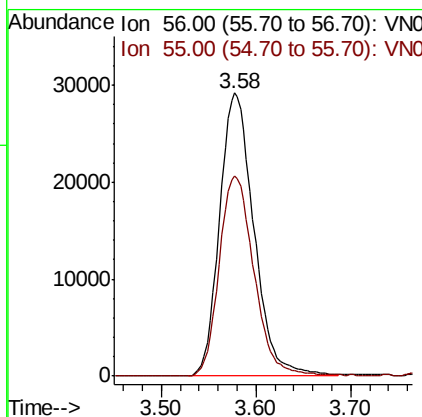
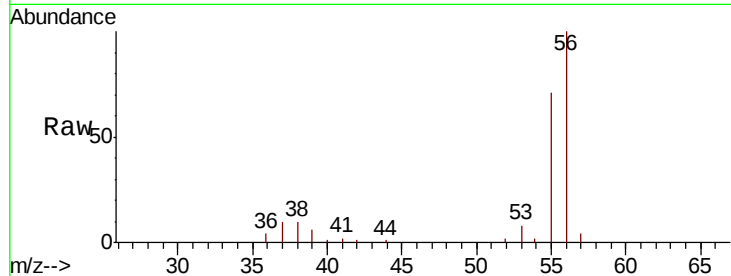
#13
Acrolein
Concen: 296.792 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 73588
Ion Ratio Lower Upper
56 100
55 71.4 58.6 88.0

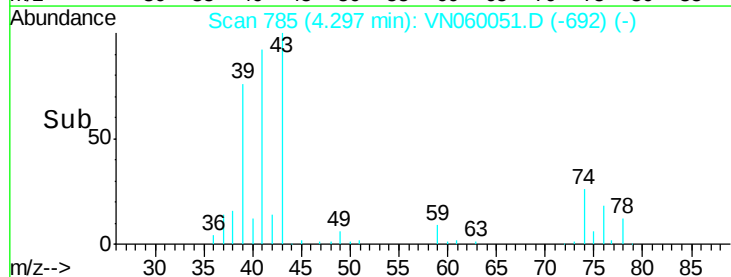
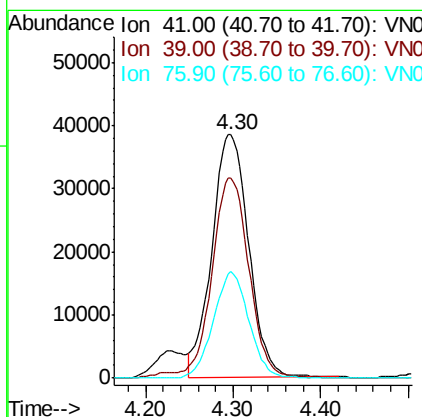
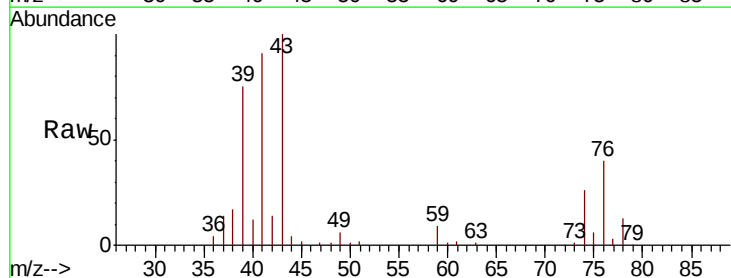
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#14
Allyl chloride
Concen: 48.613 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion: 41 Resp: 112317
Ion Ratio Lower Upper
41 100
39 82.0 57.8 86.8
76 42.0 25.4 38.0#





#15

Acrylonitrile

Concen: 273.270 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

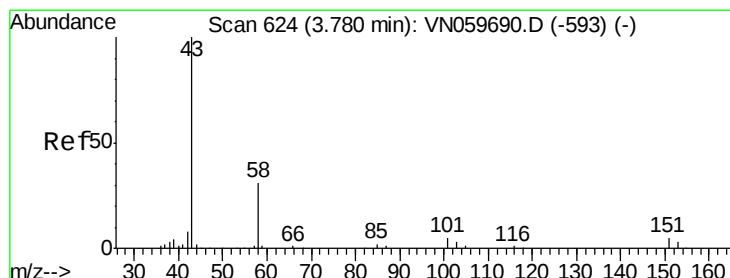
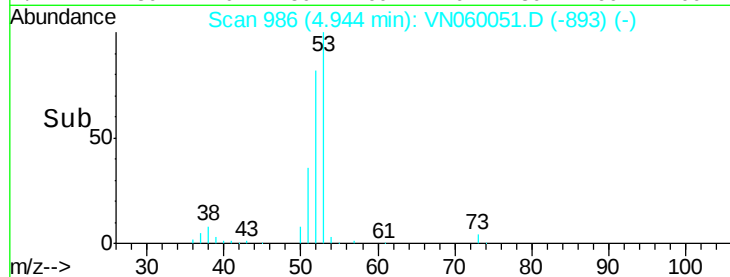
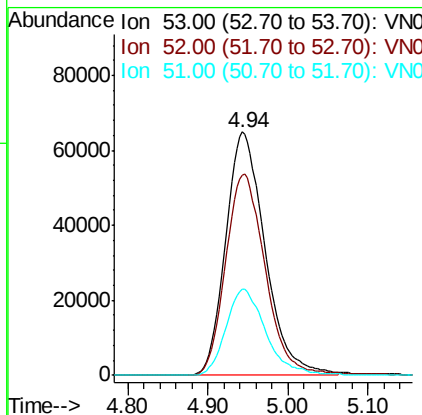
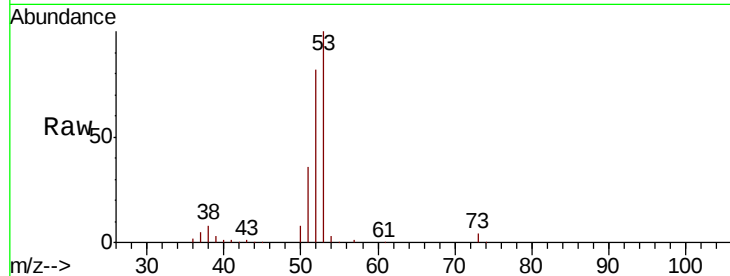
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	218337
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.3	99.5
51	36.0	29.7	44.5

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#16

Acetone

Concen: 269.193 ug/l

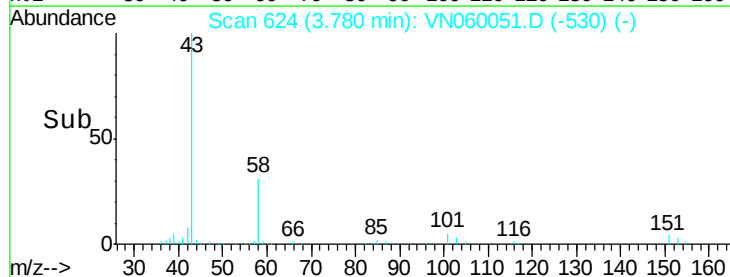
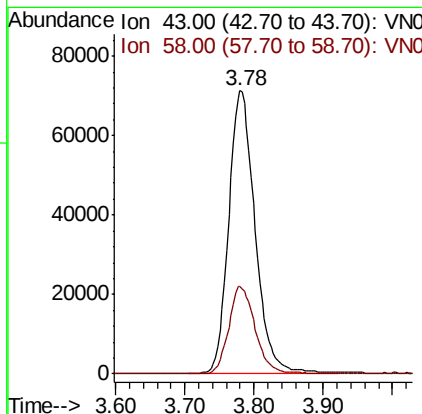
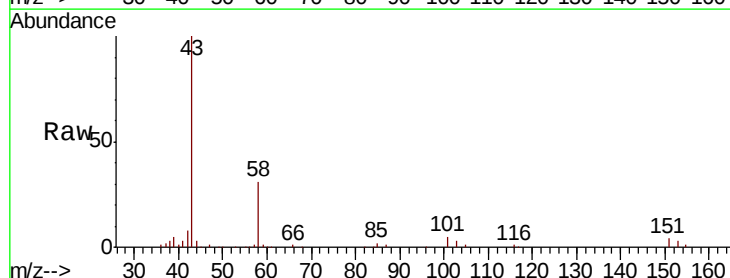
RT: 3.78 min Scan# 624

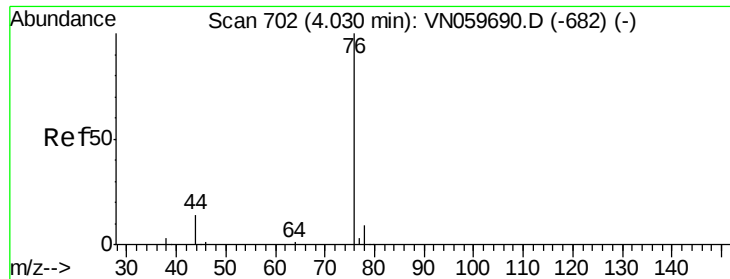
Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Tgt Ion:	43	Resp:	190486
Ion Ratio	Lower	Upper	
43	100		
58	31.0	23.6	35.4





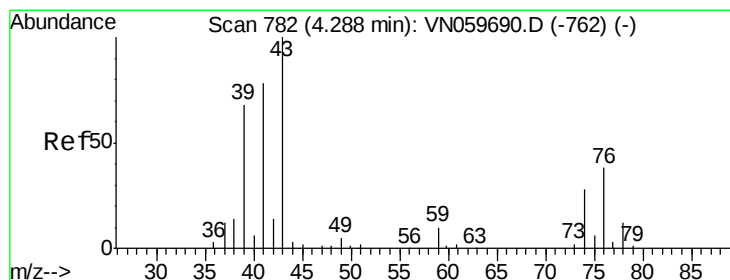
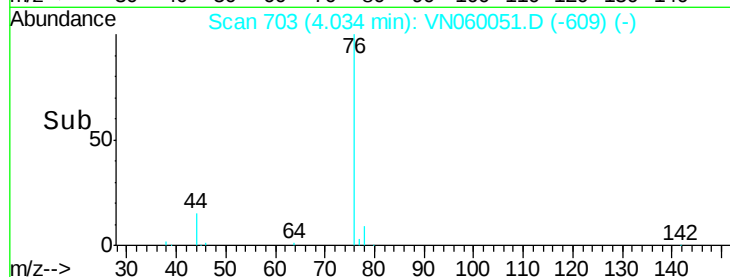
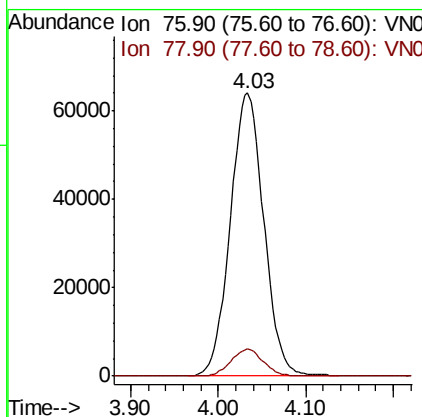
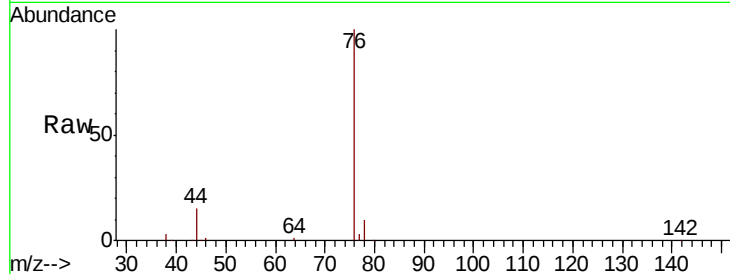
#17
Carbon Disulfide
Concen: 34.919 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

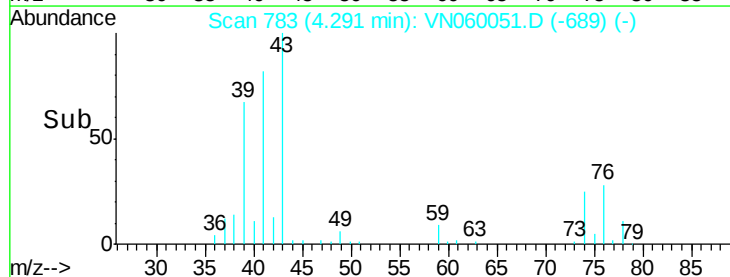
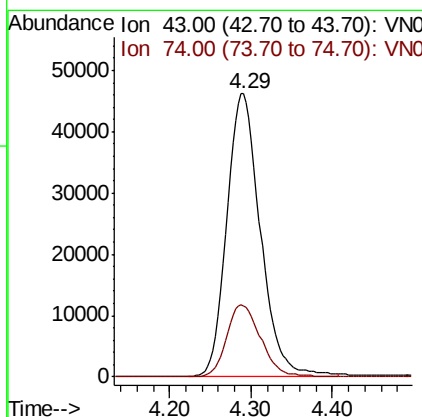
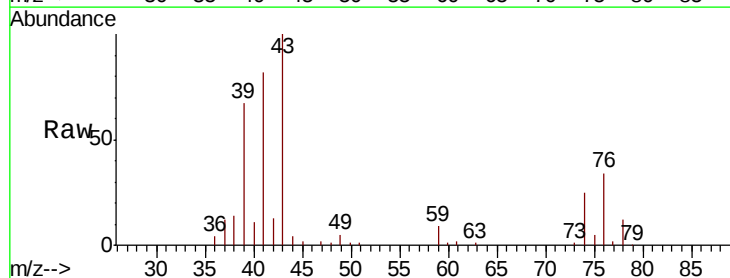
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#18
Methyl Acetate
Concen: 54.961 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	17.5	26.3





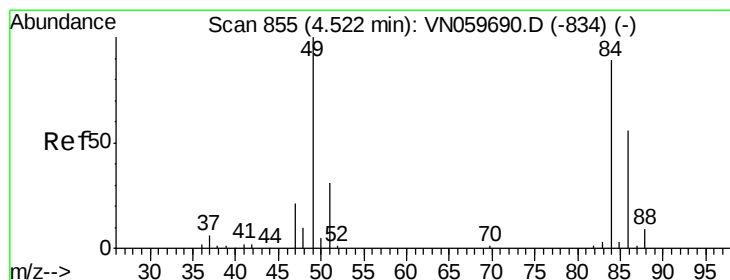
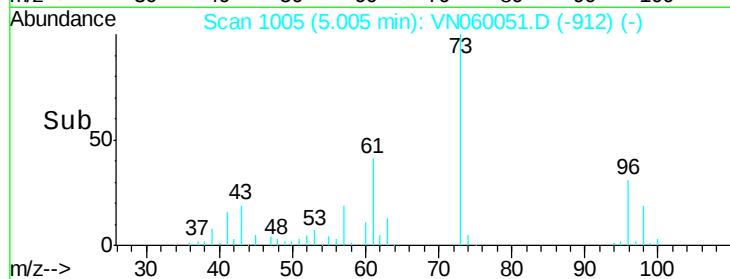
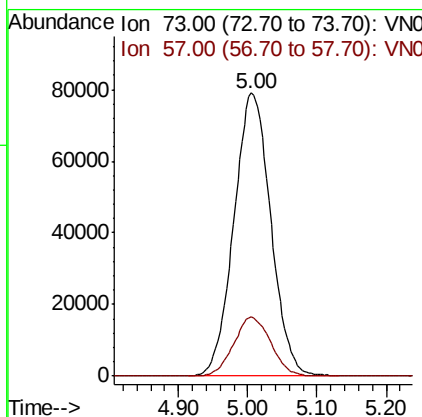
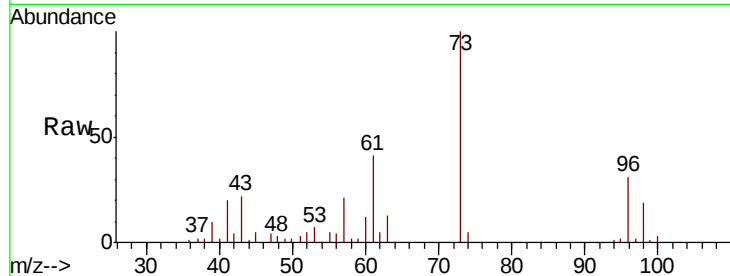
#19
Methvl tert-butvl Ether
Concen: 52.401 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 292856
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

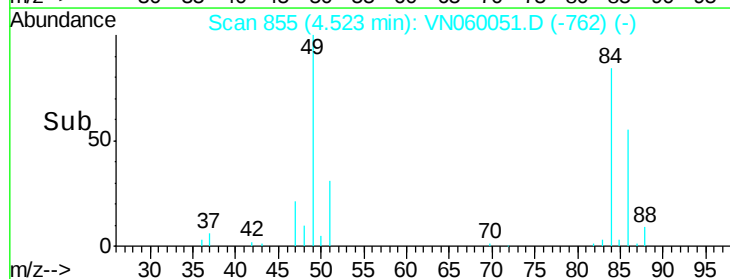
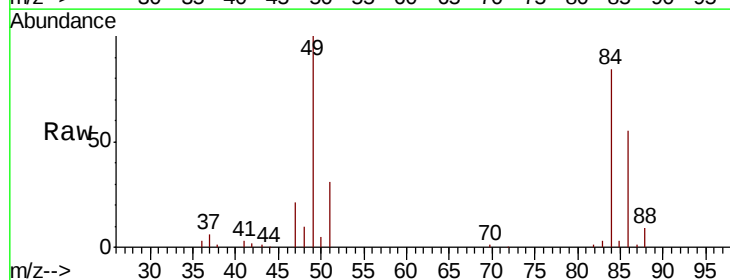
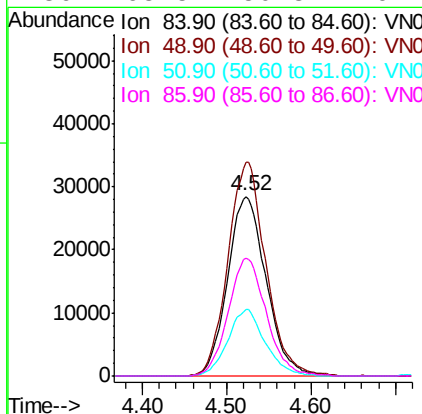
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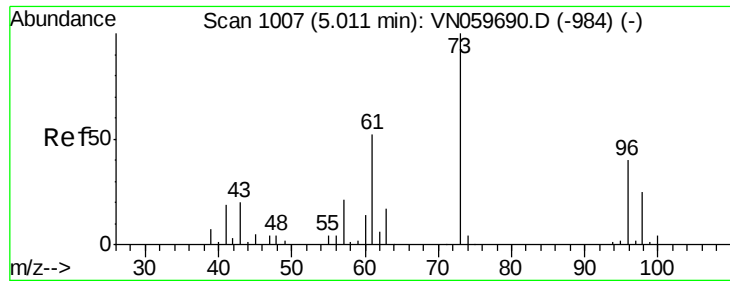
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#20
Methylene Chloride
Concen: 48.078 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion: 84 Resp: 90597
Ion Ratio Lower Upper
84 100
49 118.9 106.6 160.0
51 36.9 31.9 47.9
86 65.5 50.8 76.2





#21

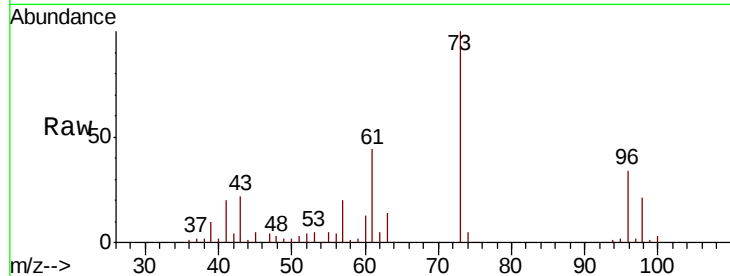
trans-1,2-Dichloroethene
Concen: 45.705 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	120.4	180.6
98	62.4	50.6	75.8

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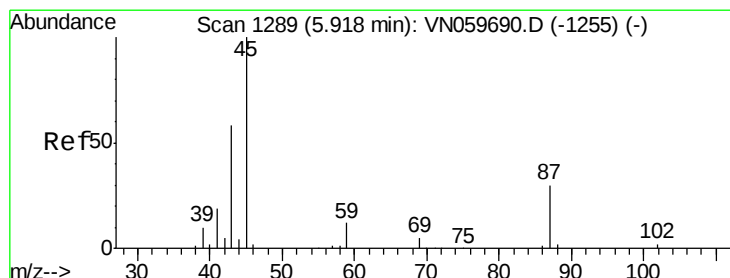
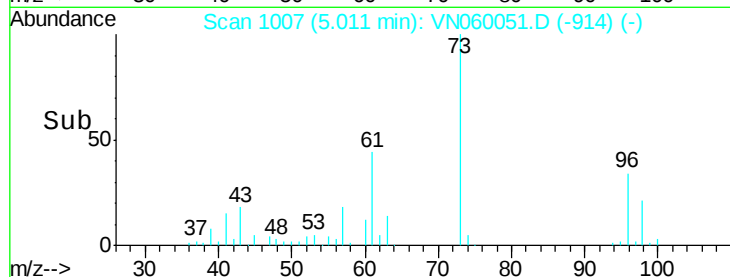
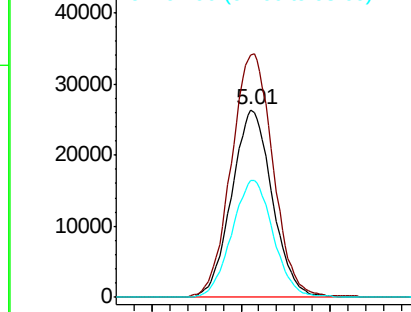


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 53.071 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.2	50.8	76.2
87	31.1	21.0	31.6
59	13.1	9.1	13.7

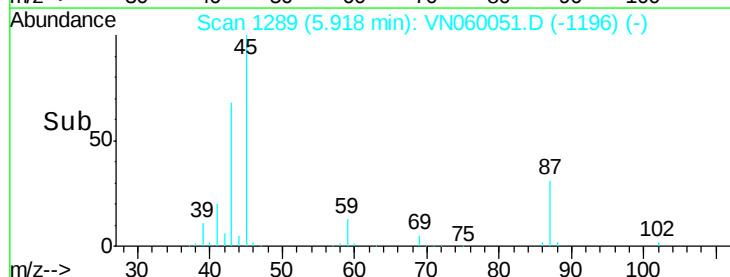
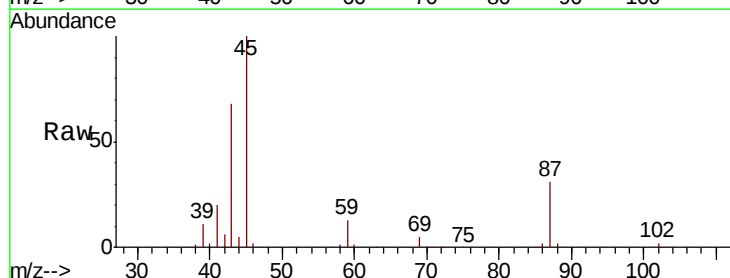
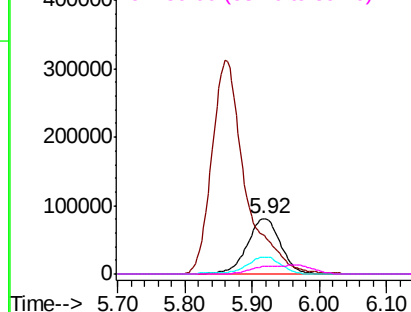
Abundance

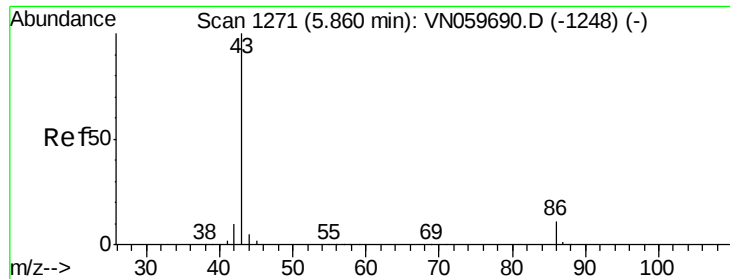
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





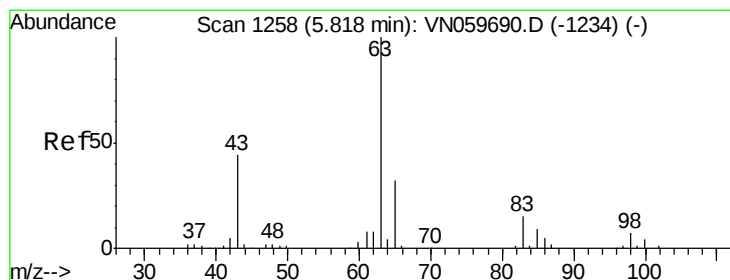
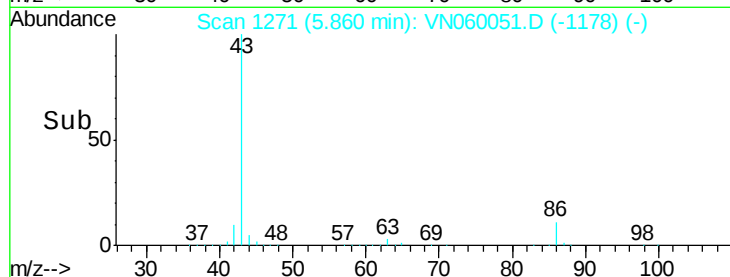
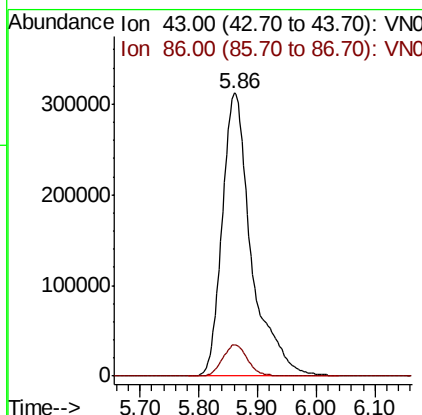
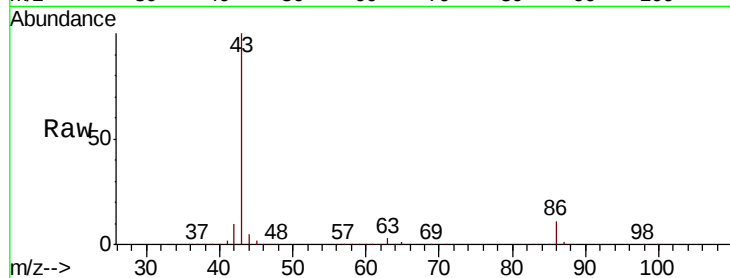
#23
 Vinyl Acetate
 Concen: 265.943 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1078082
 Ion Ratio Lower Upper
 43 100
 86 11.1 7.6 11.4

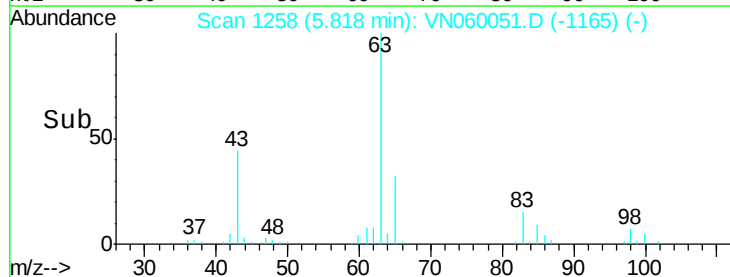
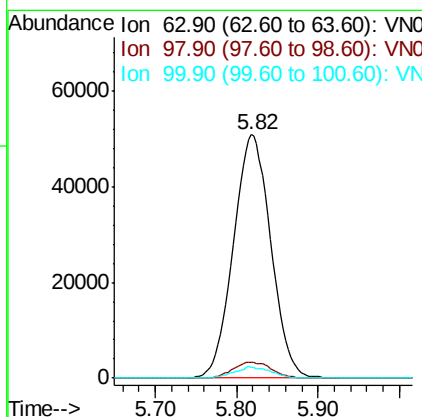
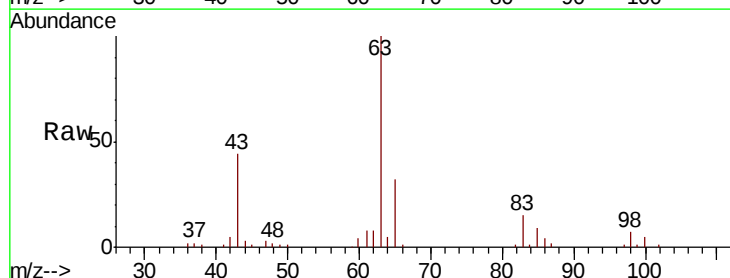
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#24
 1,1-Dichloroethane
 Concen: 50.597 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion: 63 Resp: 161871
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.9 8.7
 100 4.6 2.0 6.0





#25

2-Butanone

Concen: 245.387 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 289128

Ion Ratio Lower Upper

43 100

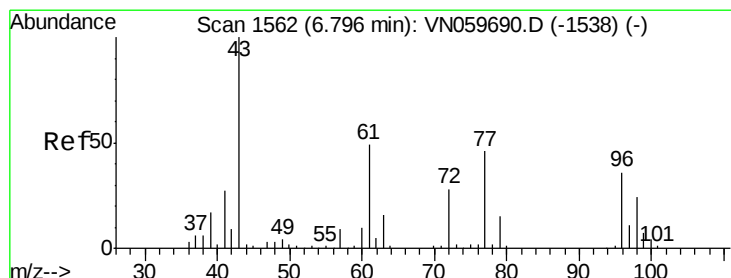
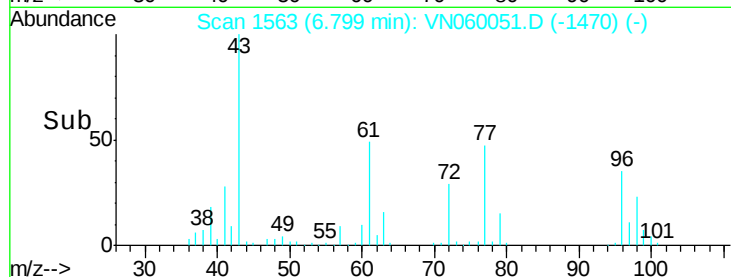
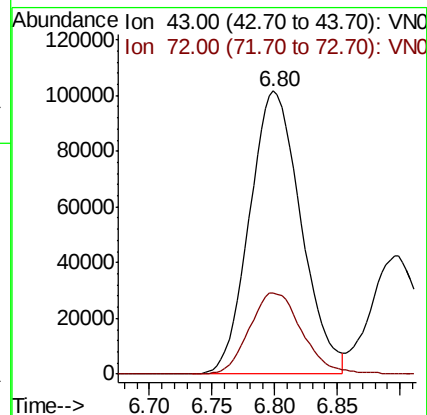
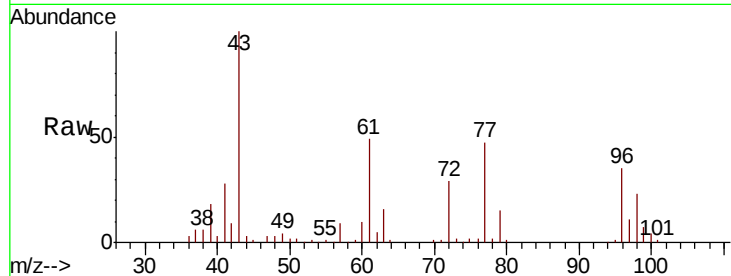
72 28.8 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.339 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060051.D

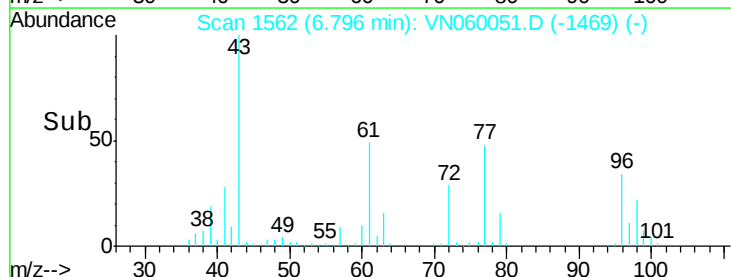
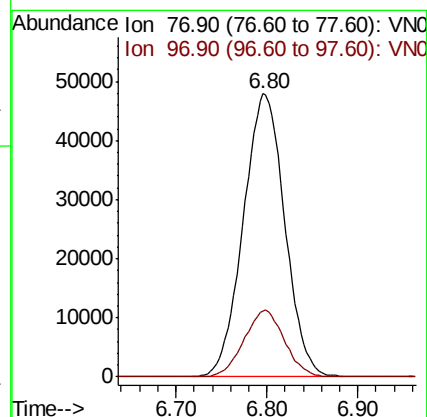
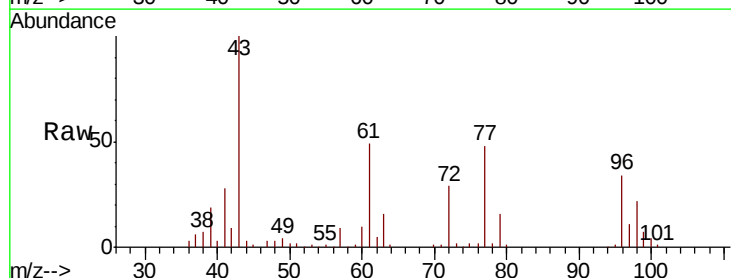
Acq: 10 Feb 2020 17:04

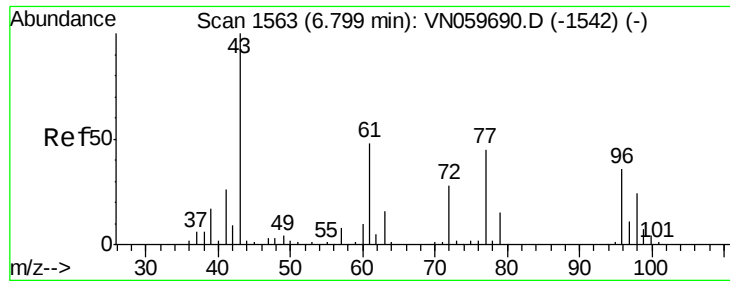
Tgt Ion: 77 Resp: 151749

Ion Ratio Lower Upper

77 100

97 22.9 10.7 31.9





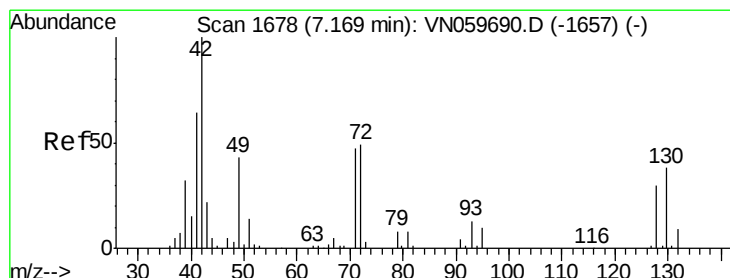
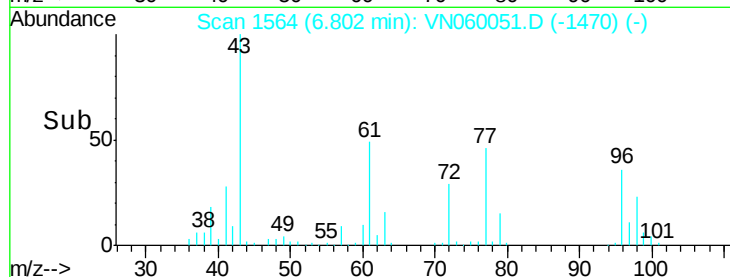
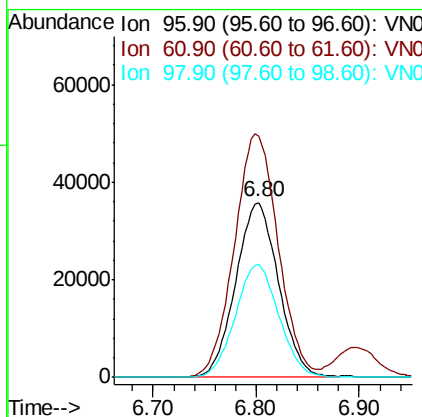
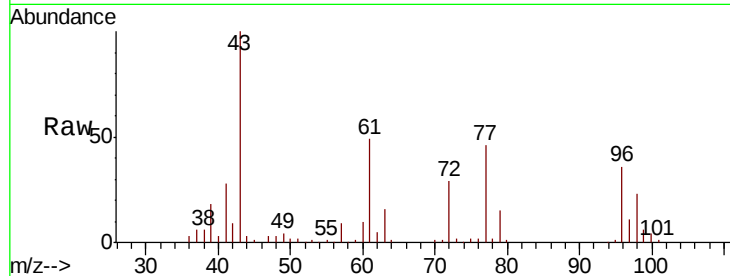
#27
 cis-1,2-Dichloroethene
 Concen: 49.241 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.1	0.0	317.6	
98	65.9	0.0	127.0	

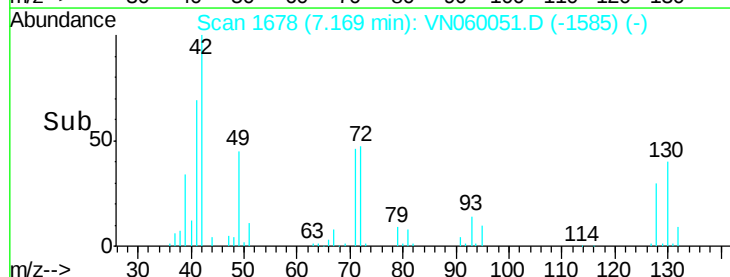
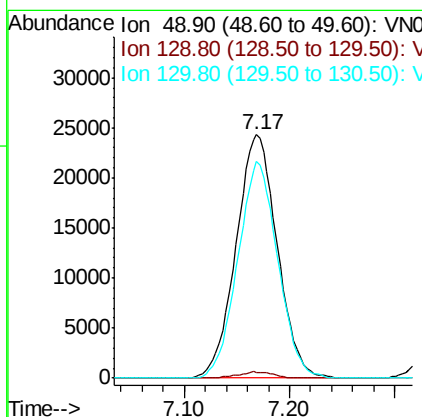
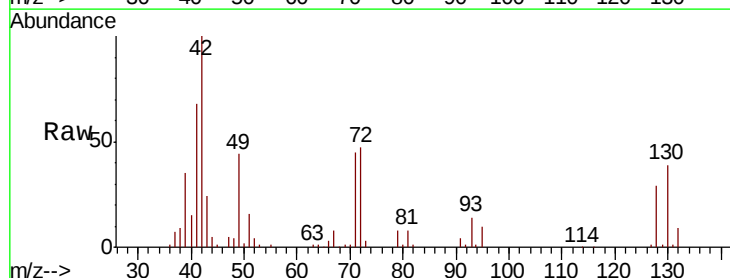
Manual Integrations
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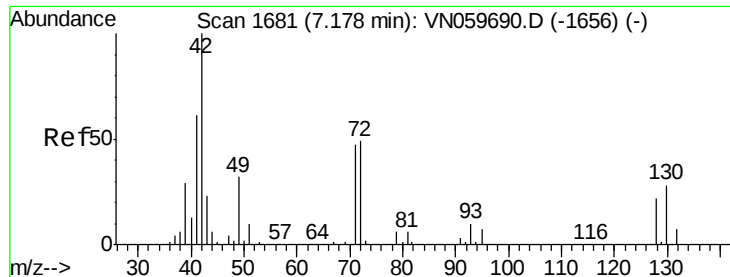
MMDadoda
 2/11/2020 11:03:53 AM



#28
 Bromochloromethane
 Concen: 51.549 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.4	
130	86.4	54.7	82.1#	





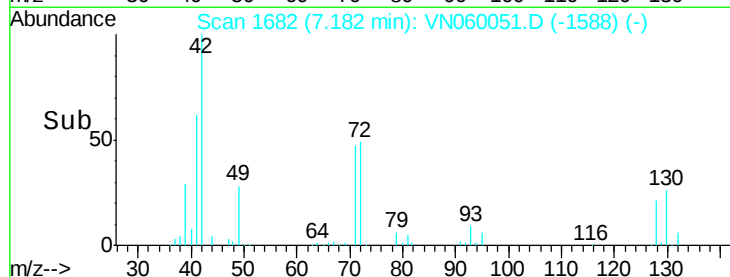
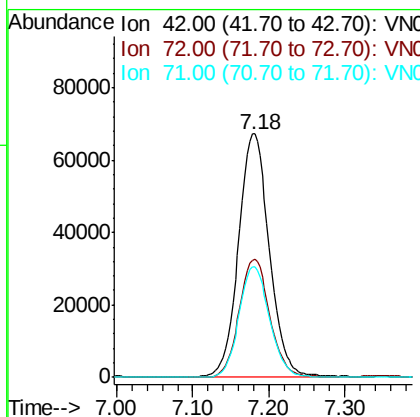
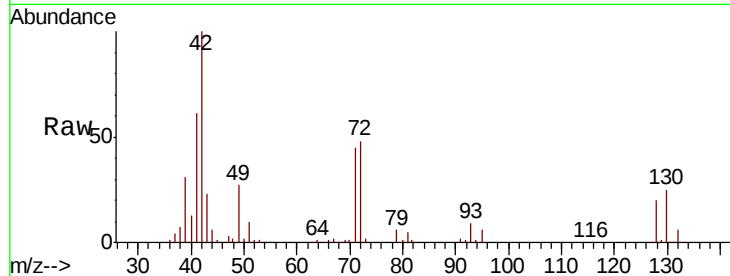
#29
Tetrahydrofuran
Concen: 261.287 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	33.1	49.7
71	44.7	31.4	47.0

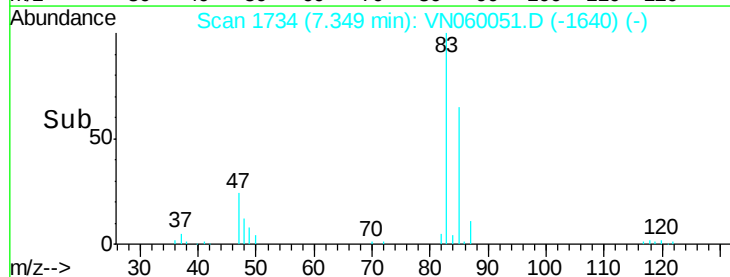
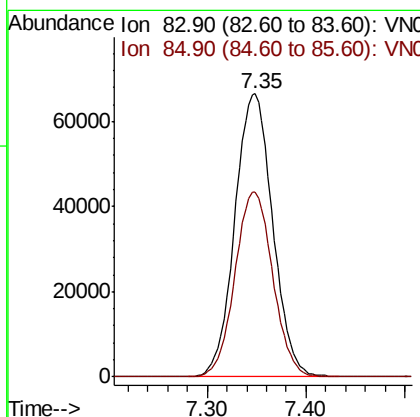
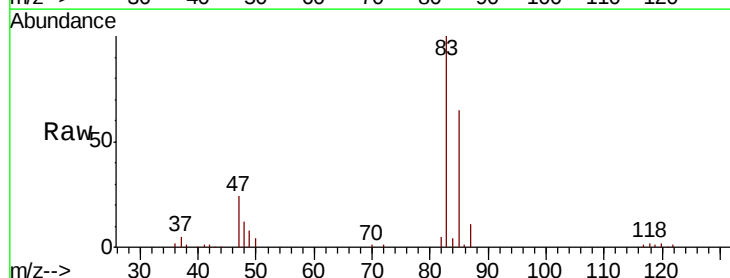
Manual Integrations
APPROVED

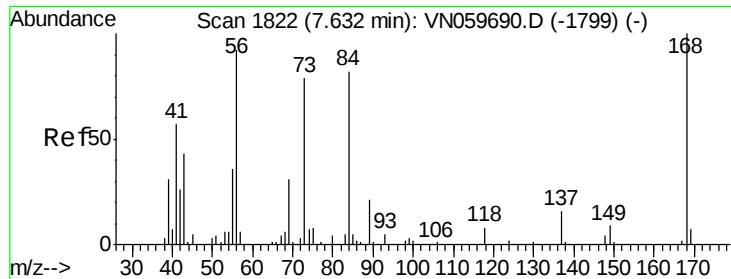
MMDadoda
2/11/2020 11:03:53 AM



#30
Chloroform
Concen: 53.337 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6





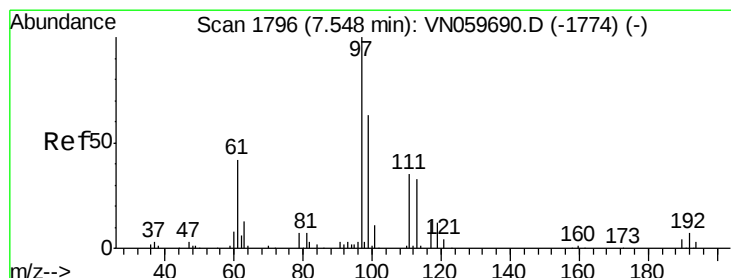
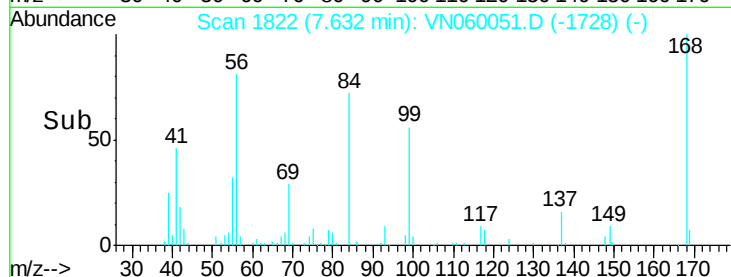
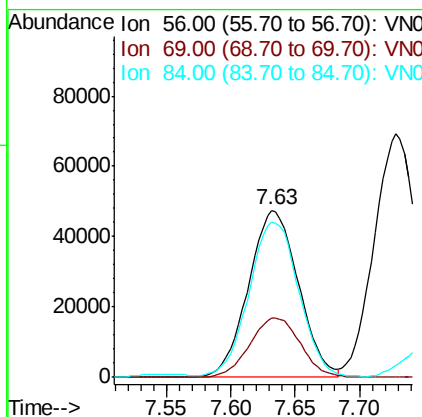
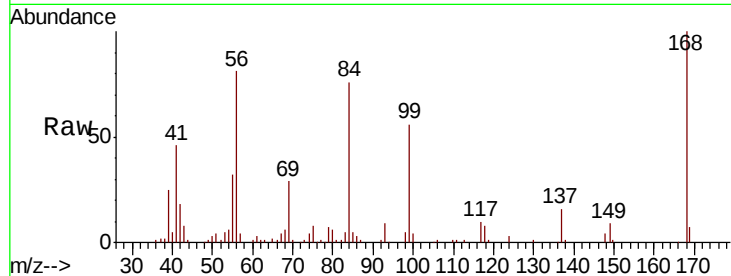
#31
Cyclohexane
Concen: 41.614 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	26.5	39.7
84	91.5	65.3	97.9

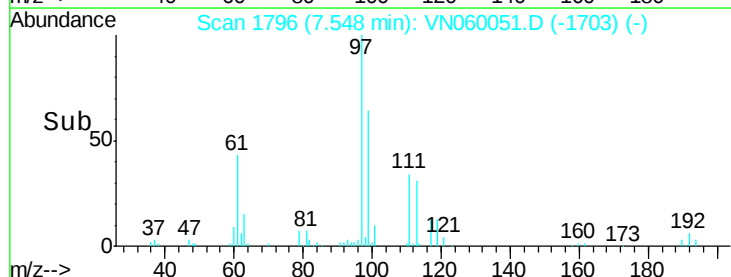
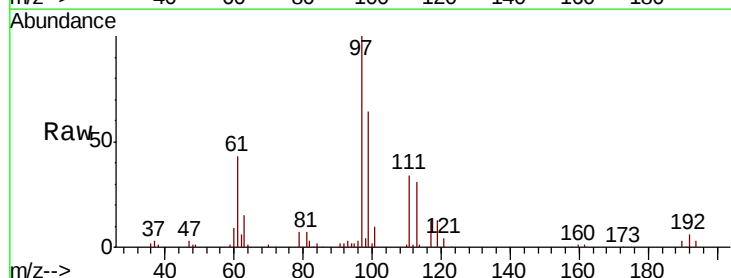
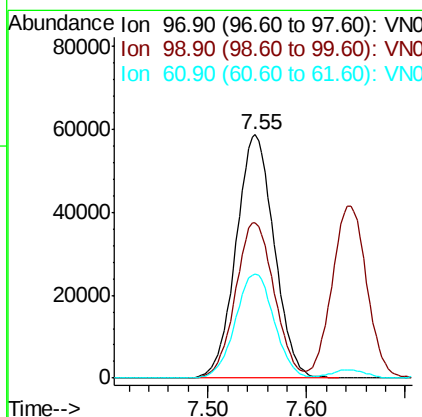
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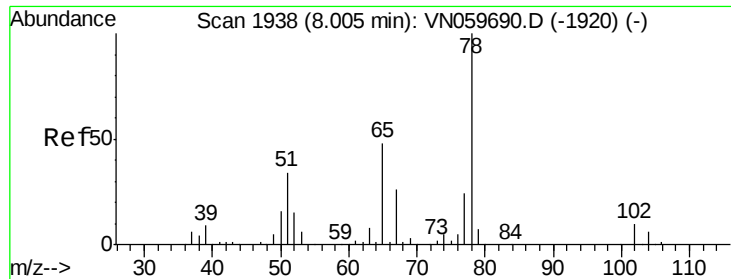
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#32
1,1,1-Trichloroethane
Concen: 51.281 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	43.7	38.5	57.7





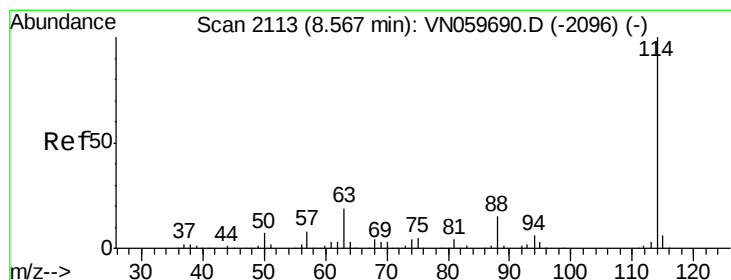
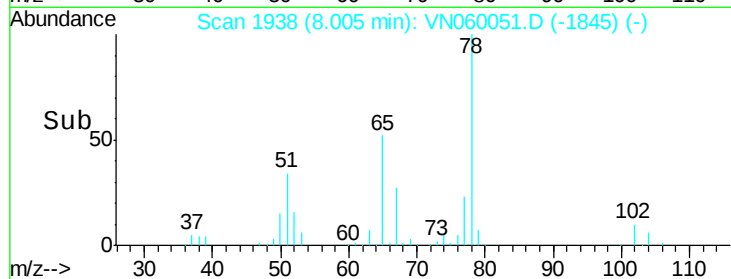
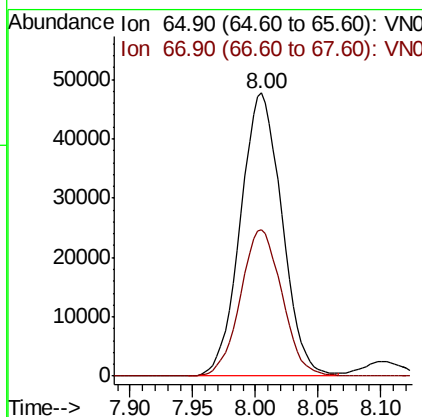
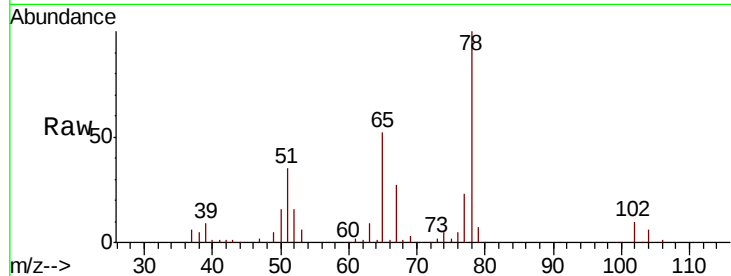
#33
 1,2-Dichloroethane-d4
 Concen: 52.959 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110189		
67	51.6	0.0	103.0	

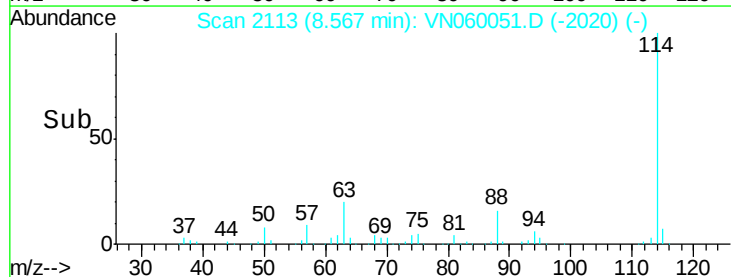
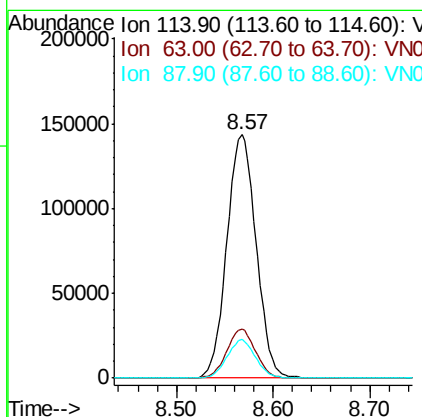
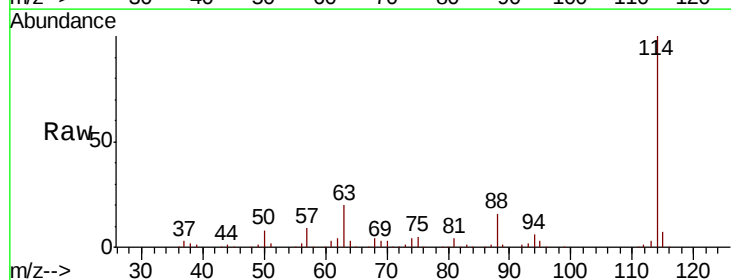
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302666		
63	20.3	0.0	43.6	
88	15.7	0.0	31.4	





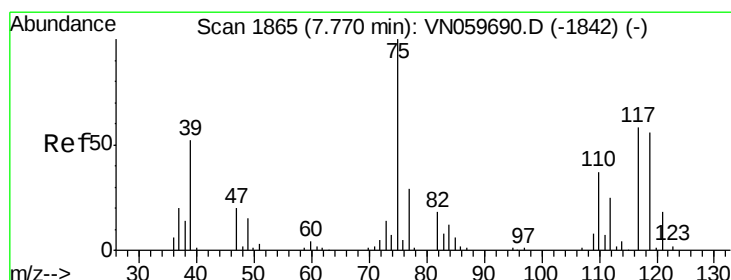
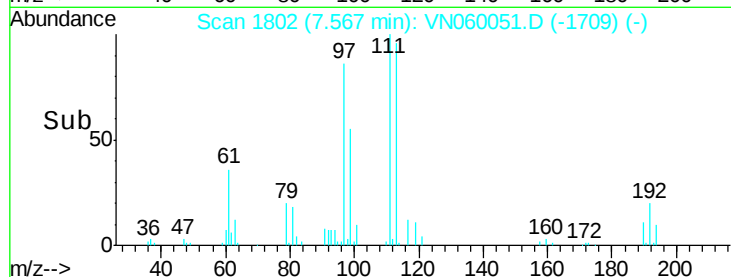
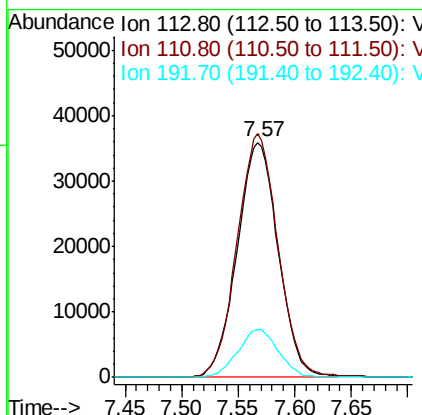
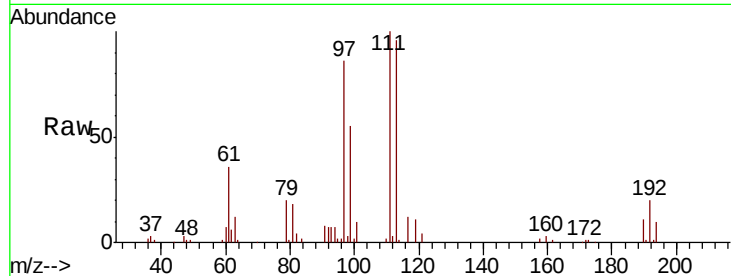
#35
 Dibromofluoromethane
 Concen: 50.161 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.5	125.3
192	20.1	15.4	23.2

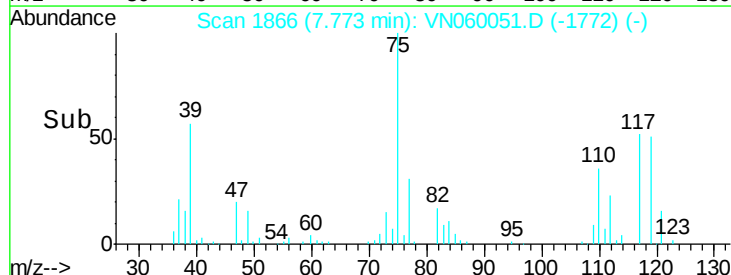
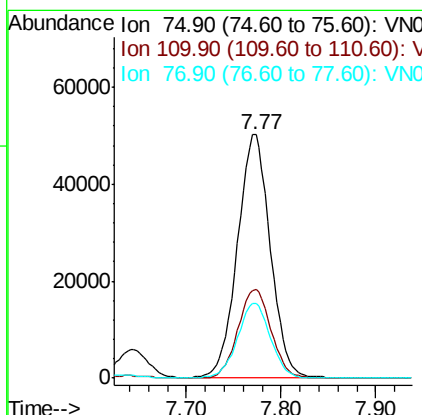
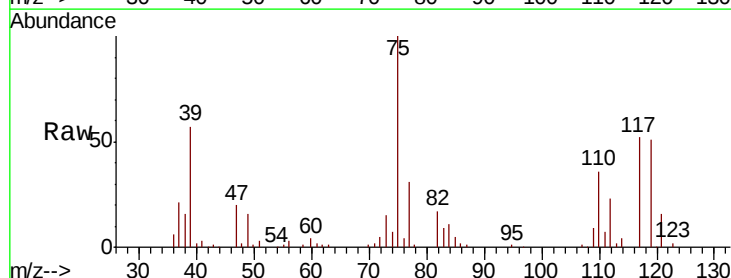
Manual Integrations
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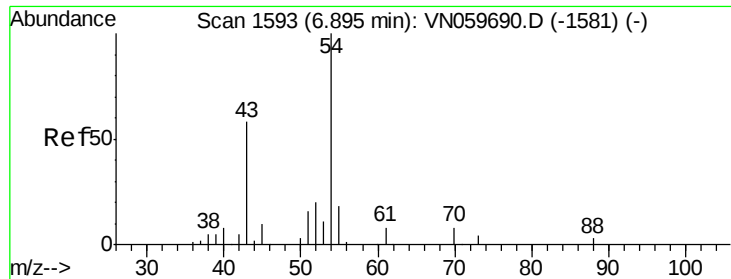
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#36
 1,1-Dichloropropene
 Concen: 46.033 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	16.6	49.7
77	30.8	25.1	37.7





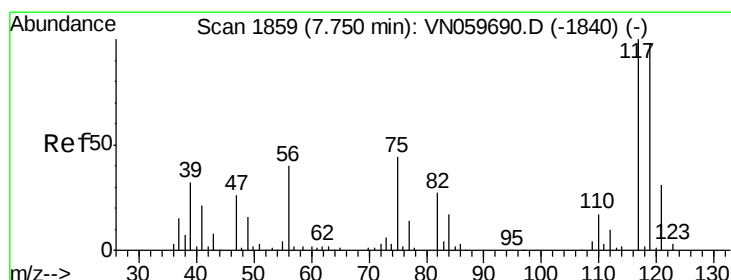
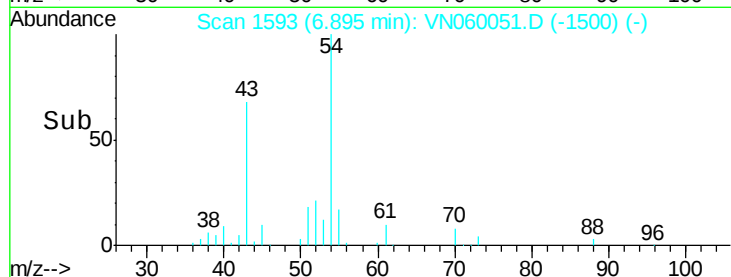
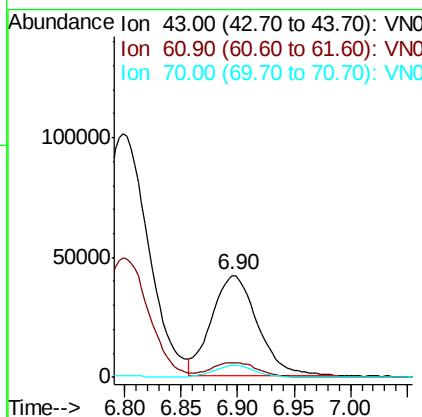
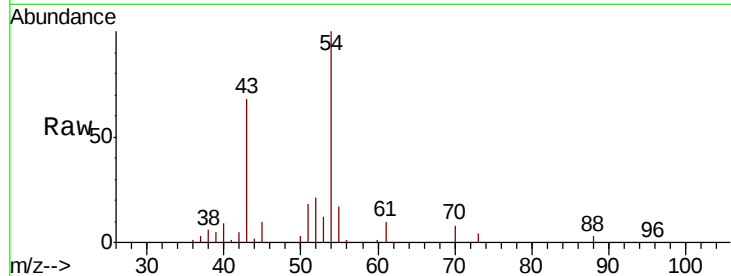
#37
Ethyl Acetate
Concen: 48.227 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	119220		
Ratio	100	15.1	11.0
Lower		10.9	7.7
Upper		16.3	11.5

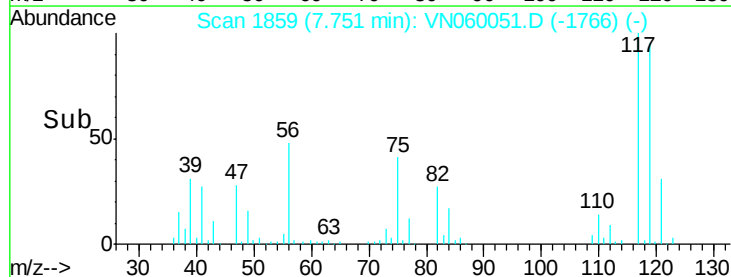
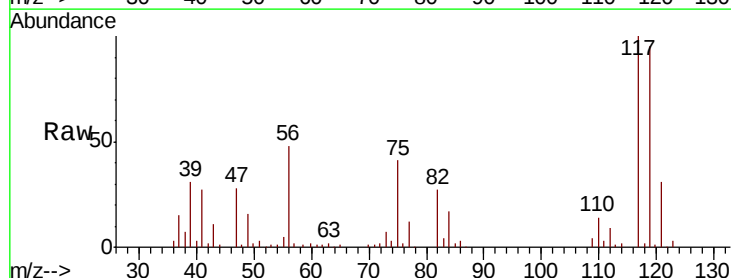
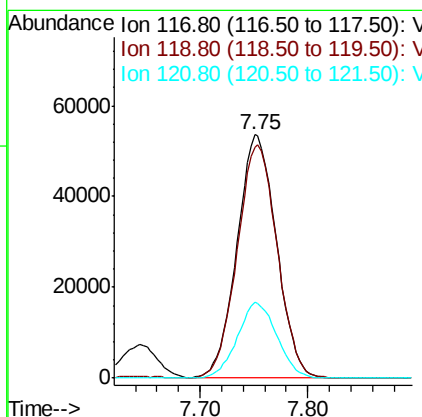
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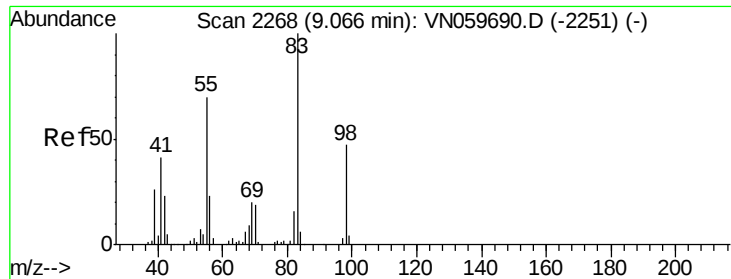
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#38
Carbon Tetrachloride
Concen: 47.587 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	117	119	121
Resp	136438		
Ratio	100	94.9	31.1
Lower		76.5	25.1
Upper		114.7	37.7





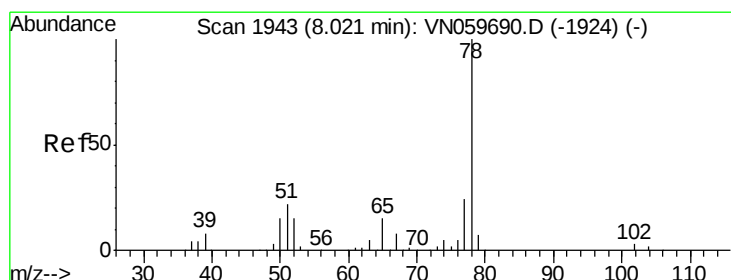
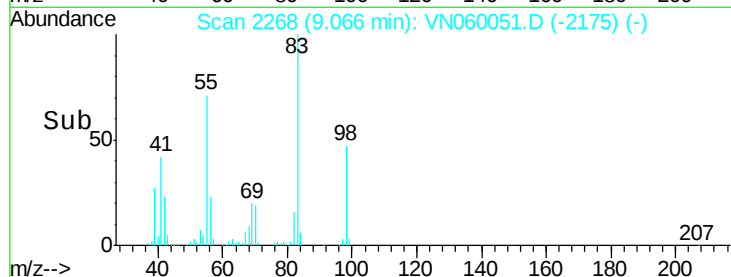
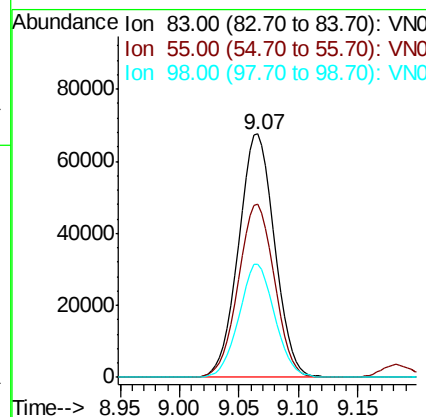
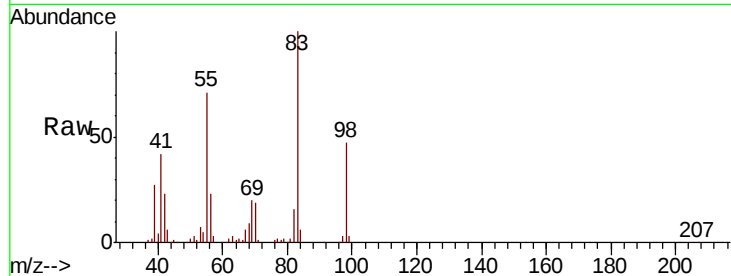
#39
Methvlcvclohexane
Concen: 43.726 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	64.2	96.2
98	46.6	35.9	53.9

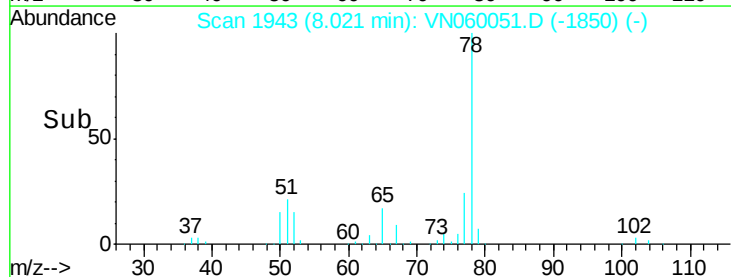
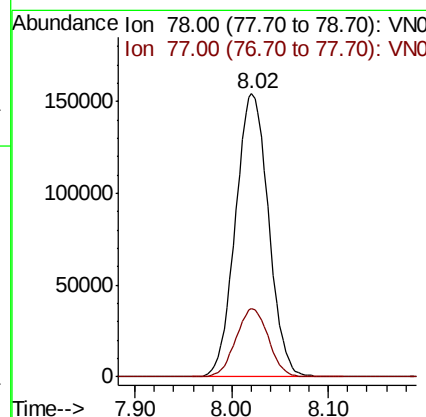
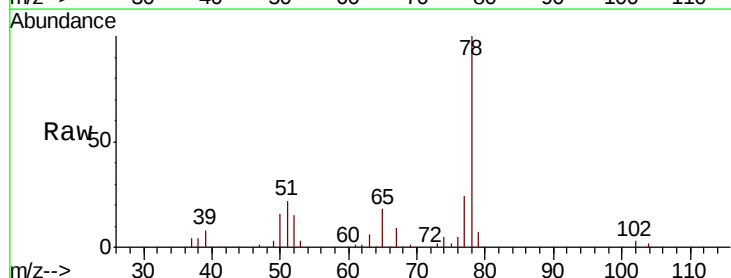
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#40
Benzene
Concen: 46.627 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





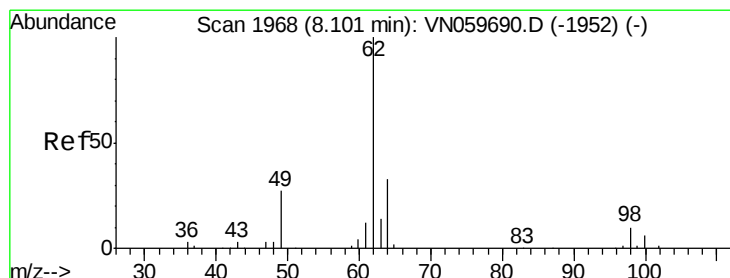
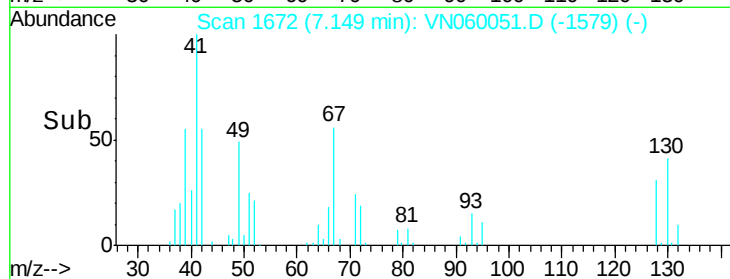
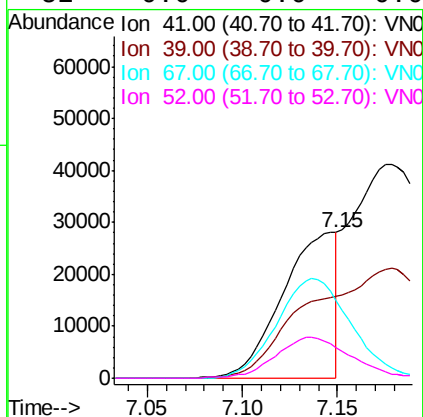
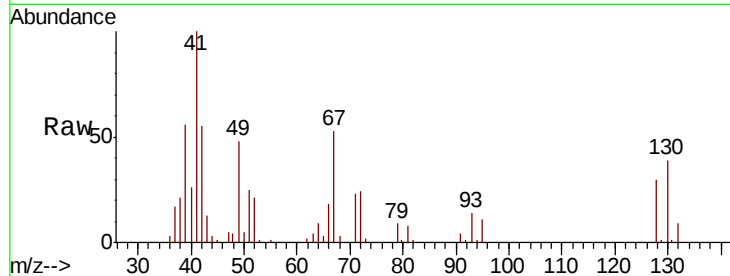
#41
Methacrylonitrile
Concen: 45.973 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	55979
Ion	Ratio	Lower	Upper
41	100		
39	171.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

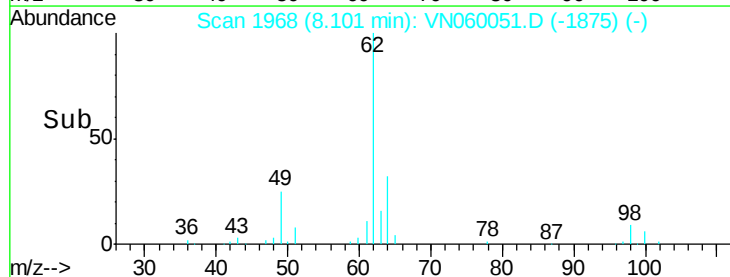
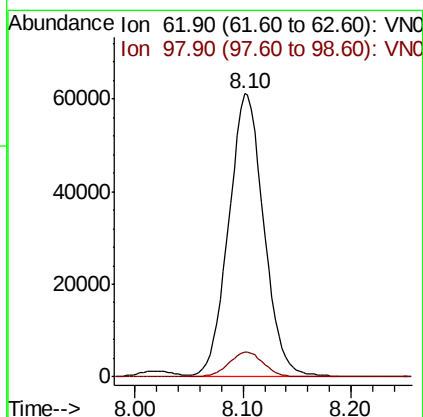
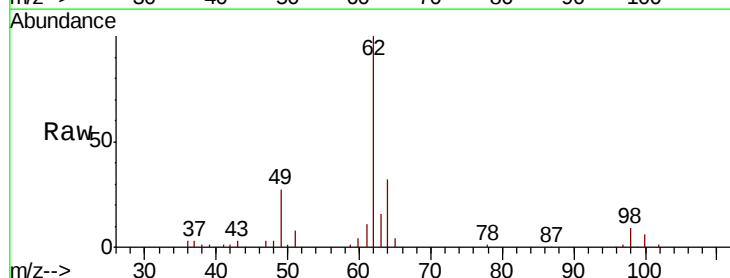
Manual Integrations
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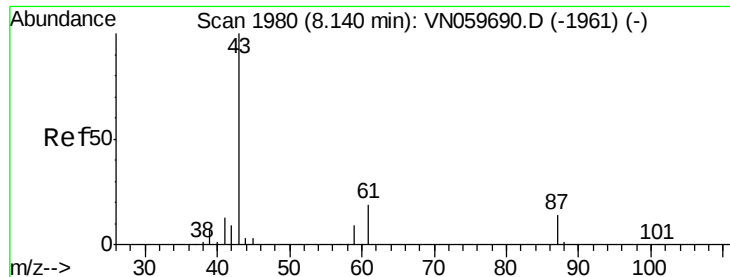
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#42
1,2-Dichloroethane
Concen: 51.998 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	62	Resp	138584
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.8





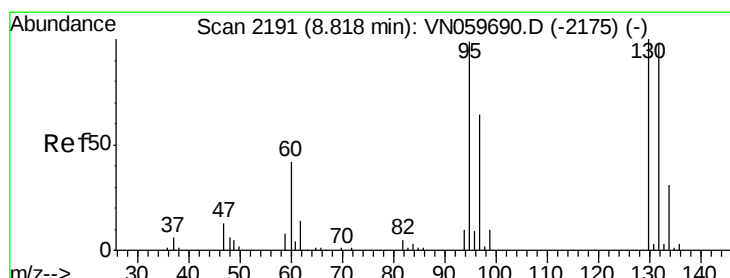
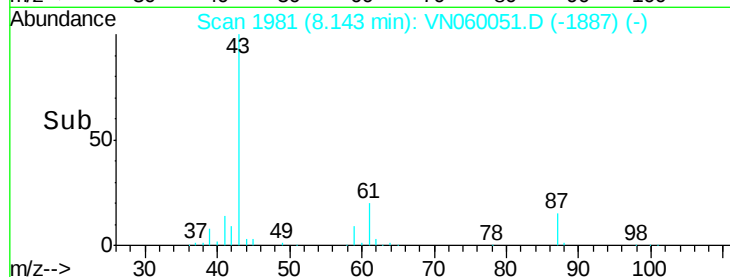
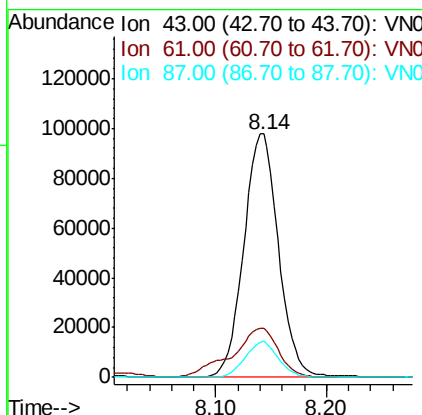
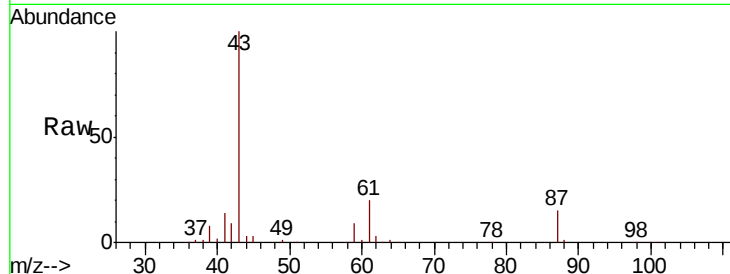
#43
Isopropyl Acetate
Concen: 49.996 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.2	30.2
87	14.1	9.5	14.3

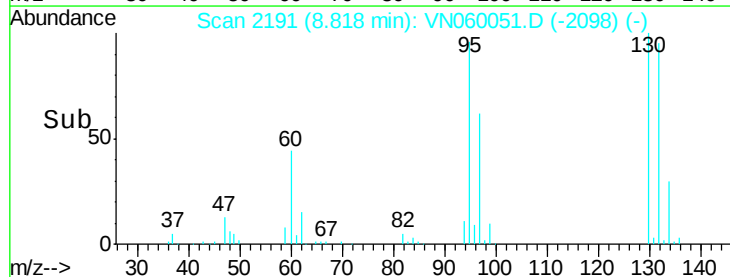
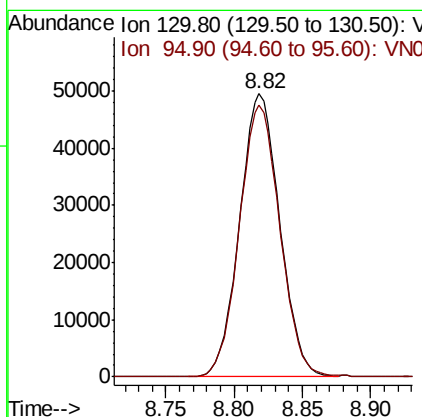
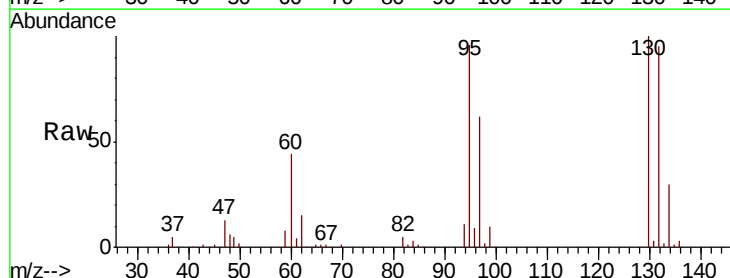
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2/11/2020 11:03:53 AM



#44
Trichloroethene
Concen: 47.012 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	207.0





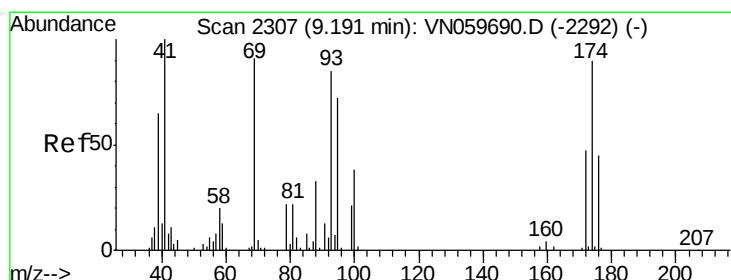
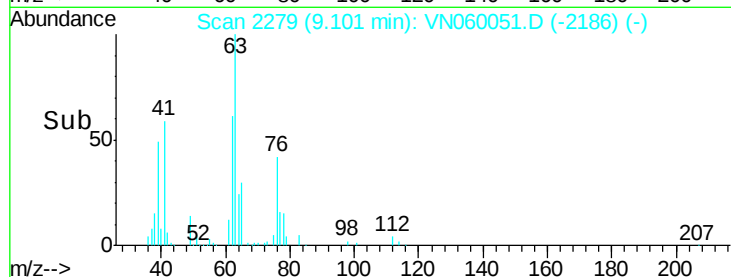
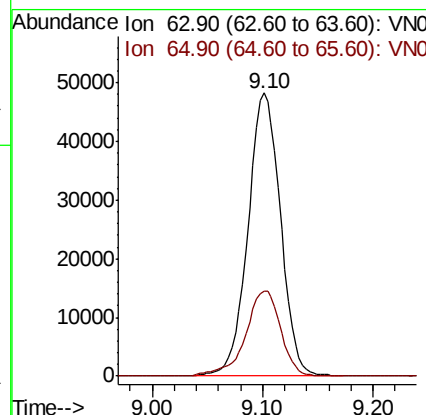
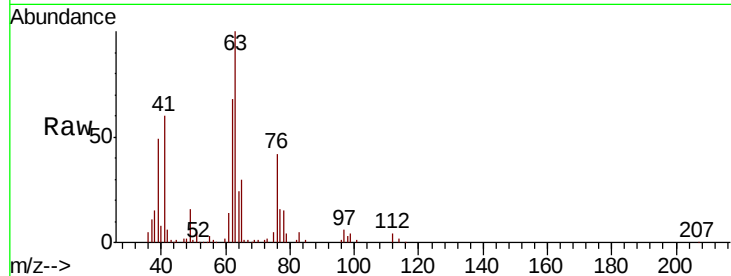
#45
 1,2-Dichloropropane
 Concen: 50.626 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.9	37.3

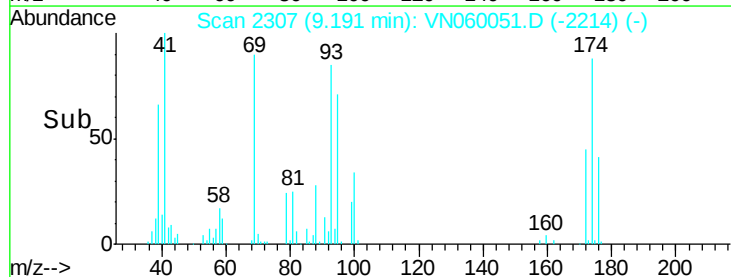
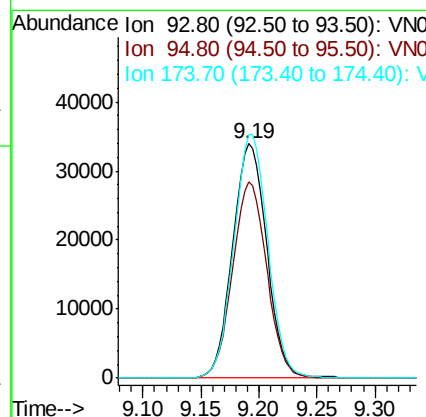
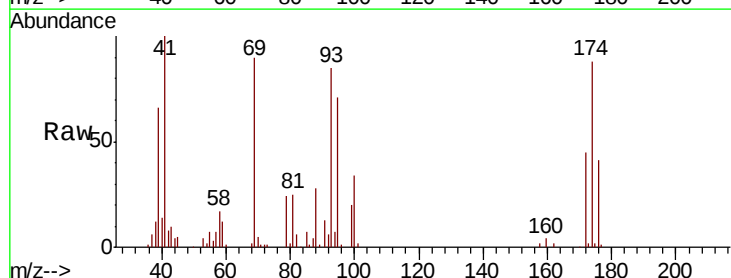
Manual Integrations
 APPROVED

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 2/11/2020 11:03:53 AM



#46
 Dibromomethane
 Concen: 50.461 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	67.0	100.6
174	103.5	73.4	110.2





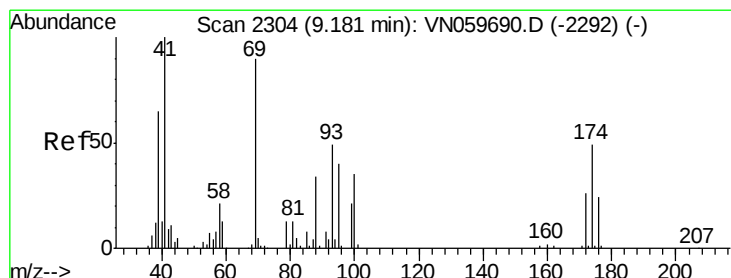
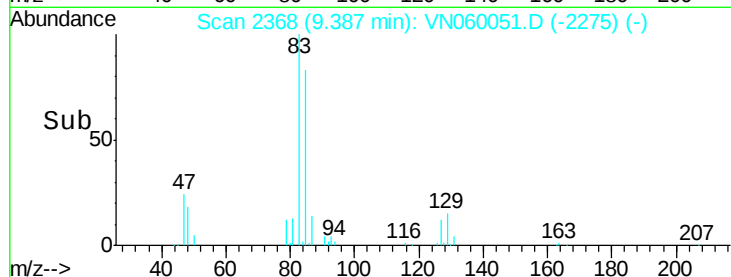
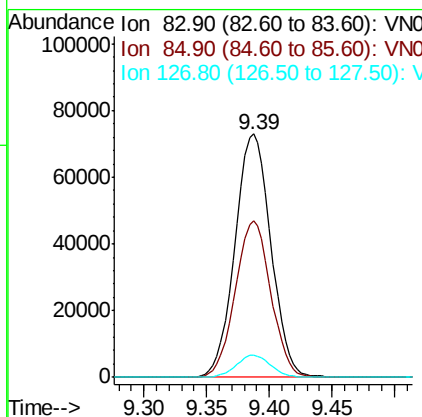
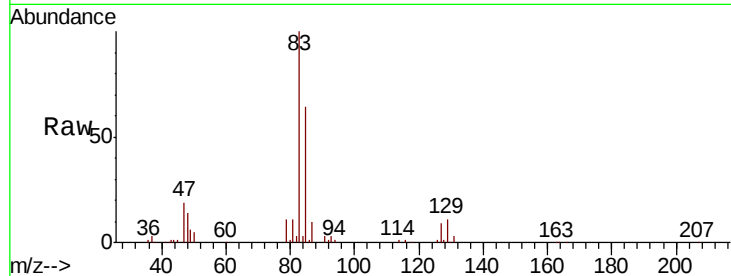
#47
Bromodichloromethane
Concen: 52.475 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	145095		
85	64.3		51.1	76.7
127	9.0		6.6	9.8

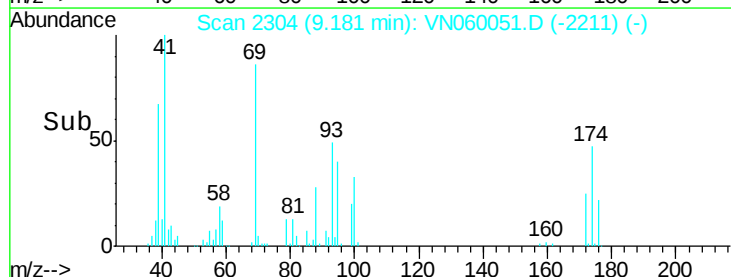
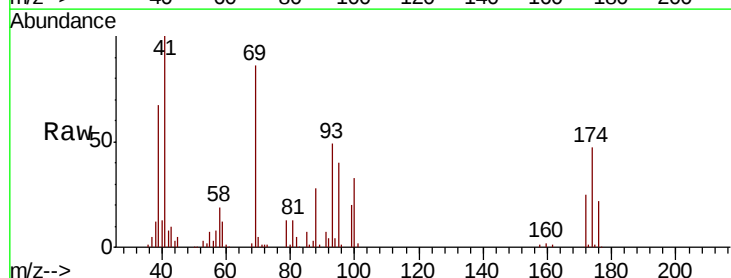
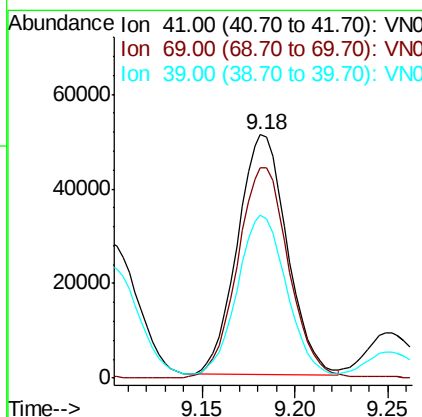
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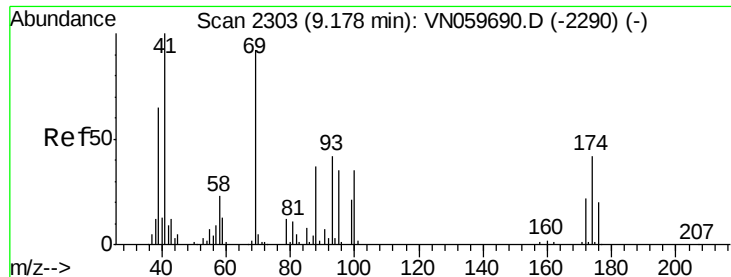
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#48
Methyl methacrylate
Concen: 50.018 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	95132		
69	90.6		64.4	96.6
39	67.5		51.3	76.9





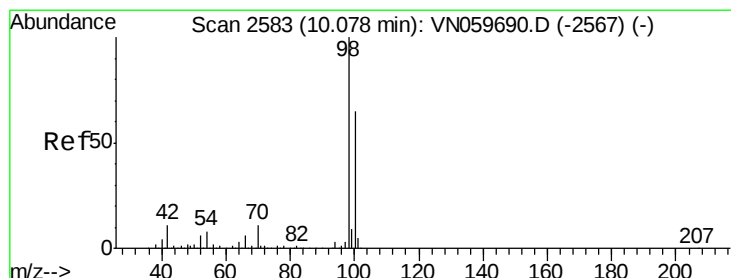
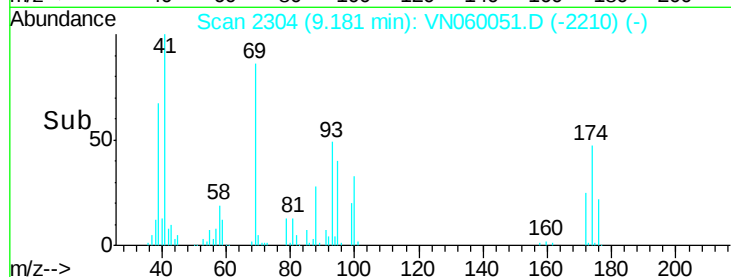
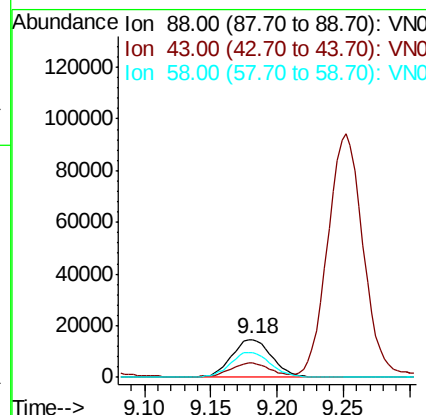
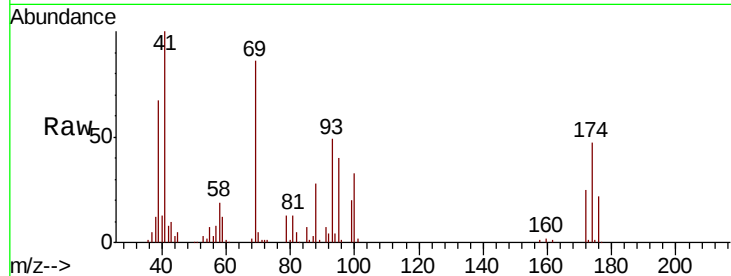
#49
1,4-Dioxane
Concen: 892.849 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 31087
Ion Ratio Lower Upper
88 100
43 33.0 29.7 44.5
58 65.1 56.6 85.0

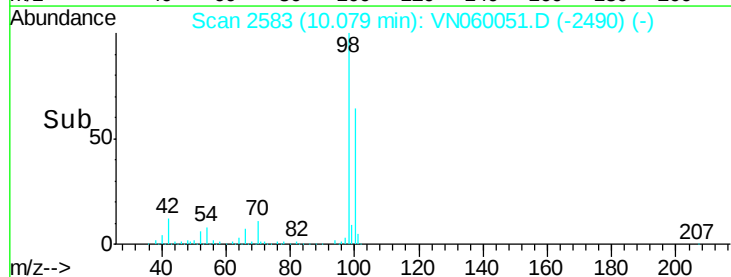
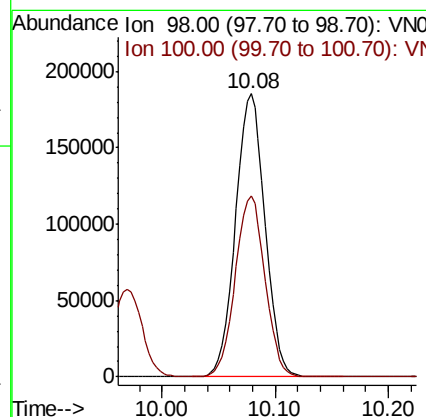
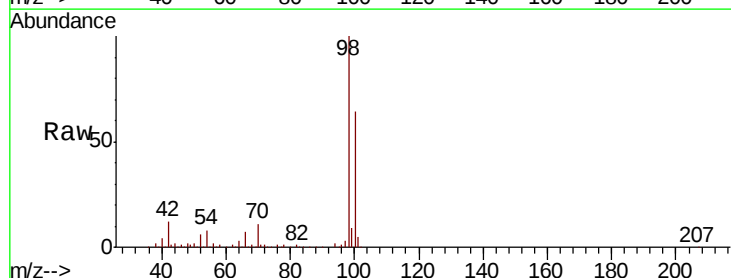
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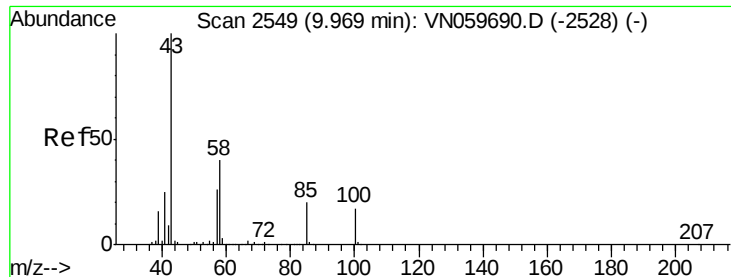
MMDadoda
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#50
Toluene-d8
Concen: 48.042 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion: 98 Resp: 335968
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 263.867 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 648584

Ion Ratio Lower Upper

43 100

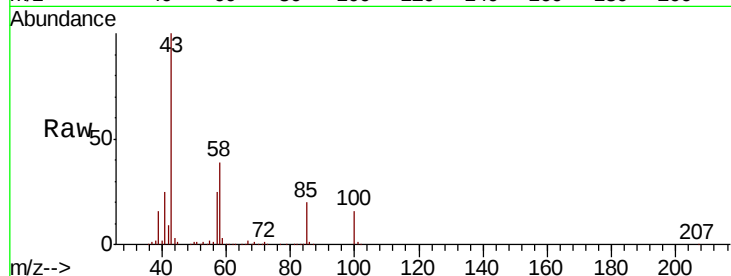
58 39.5 29.8 44.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

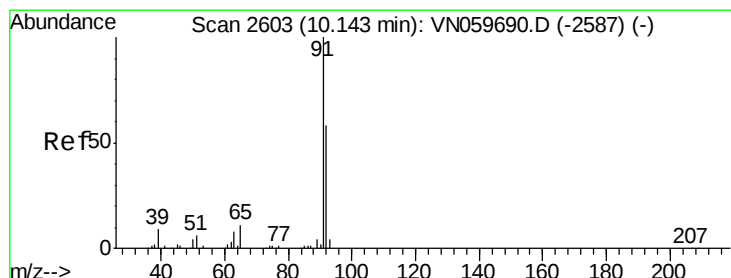
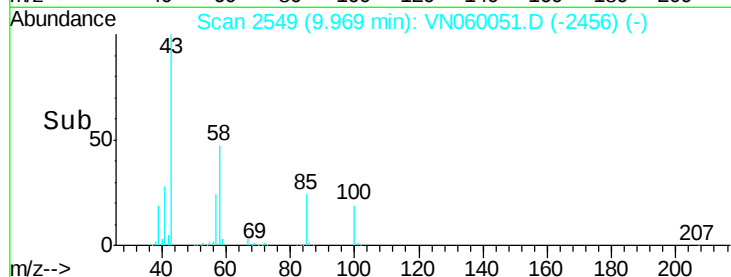
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.603 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060051.D

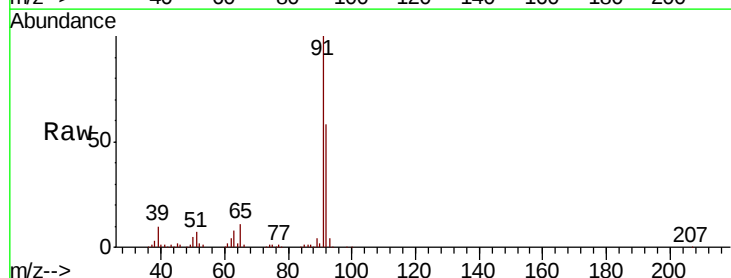
Acq: 10 Feb 2020 17:04

Tgt Ion: 92 Resp: 241320

Ion Ratio Lower Upper

92 100

91 173.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

250000

200000

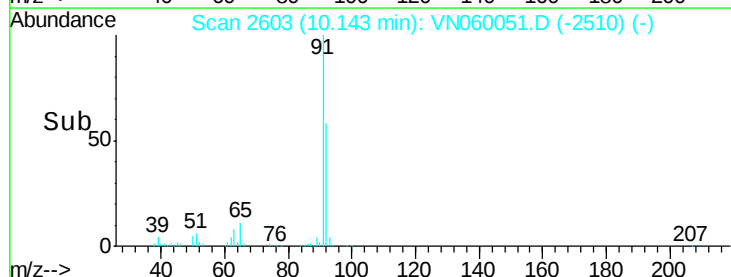
150000

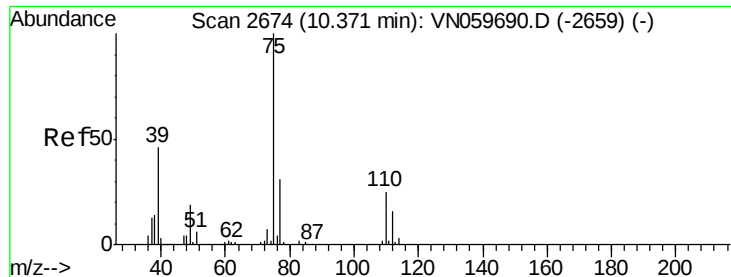
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.907 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 160258

Ion Ratio Lower Upper

75 100

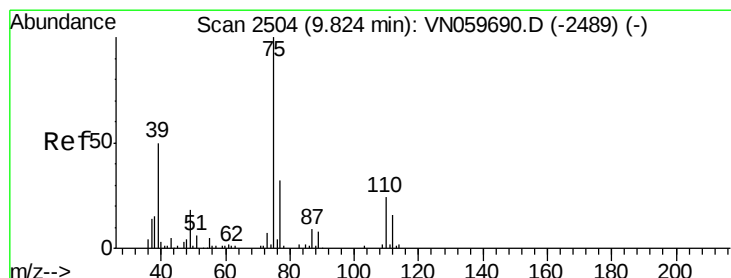
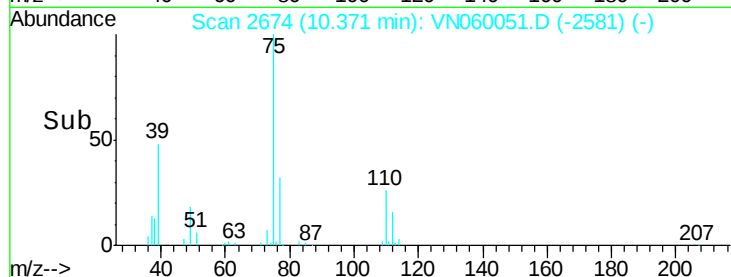
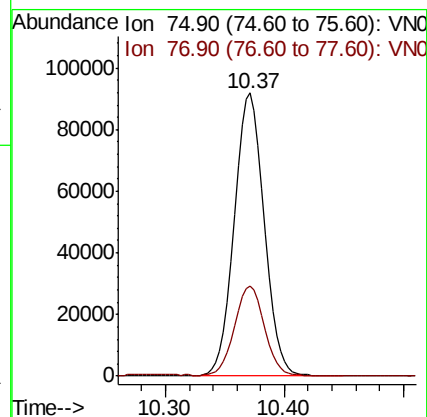
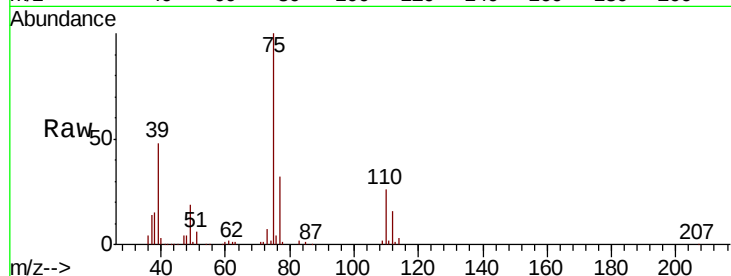
77 31.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 51.670 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

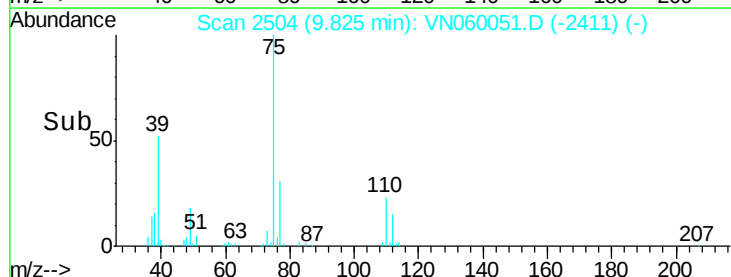
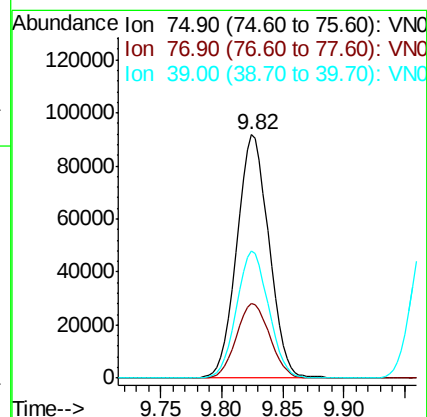
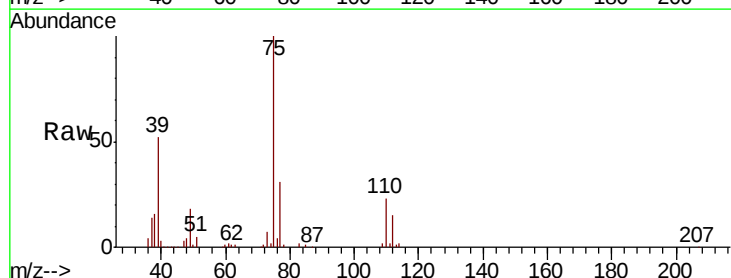
Tgt Ion: 75 Resp: 167850

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 52.1 46.1 69.1





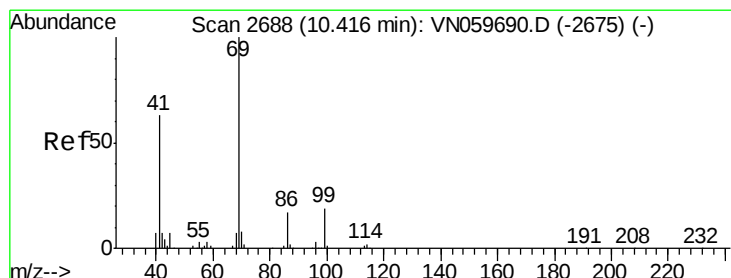
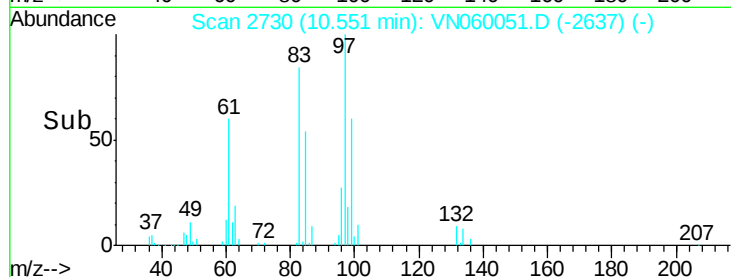
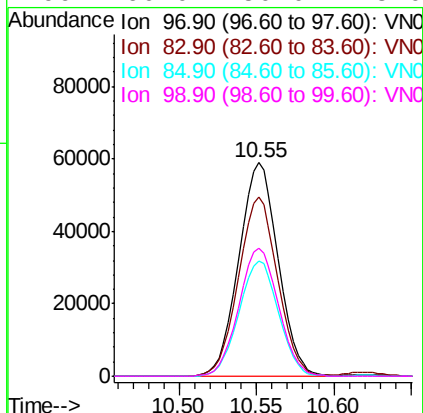
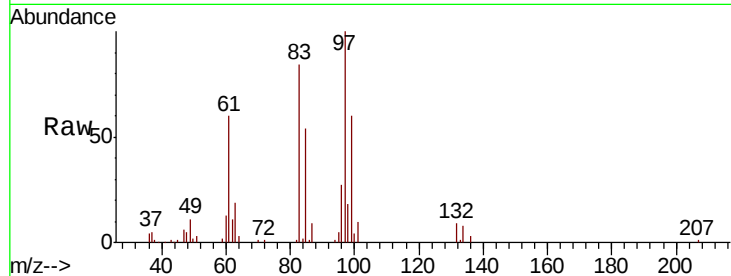
#55
 1,1,2-Trichloroethane
 Concen: 52.998 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	104221
Ion	Ratio	Lower	Upper
97	100		
83	83.9	71.3	106.9
85	53.9	45.8	68.8
99	60.0	50.0	75.0

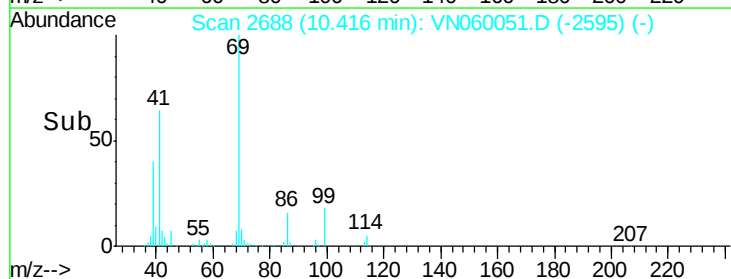
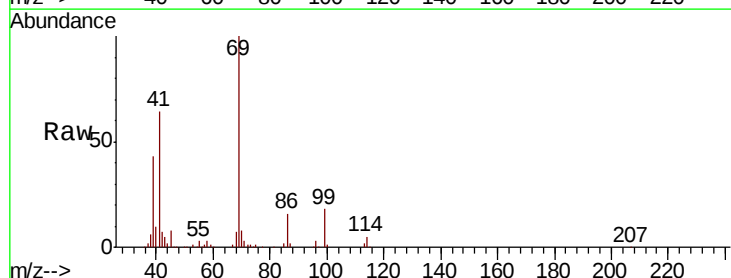
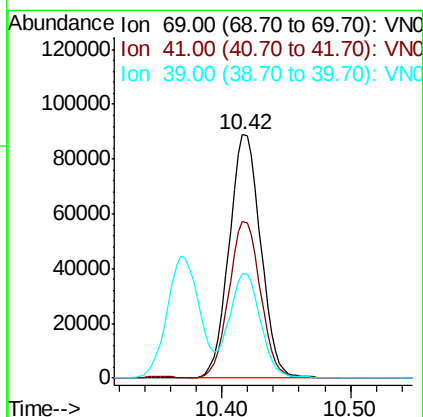
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#56
 Ethyl methacrylate
 Concen: 50.434 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion:	69	Resp:	151545
Ion	Ratio	Lower	Upper
69	100		
41	64.0	57.1	85.7
39	43.2	34.7	52.1





#57

1,3-Dichloropropane

Concen: 52.495 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 163893

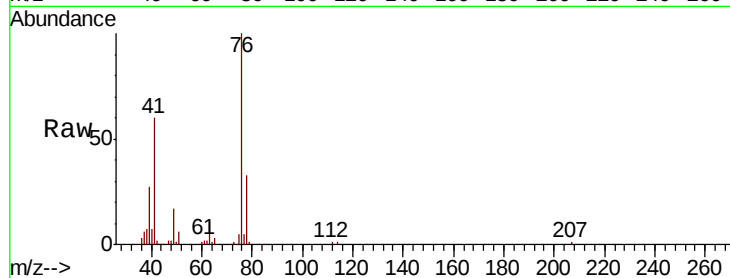
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

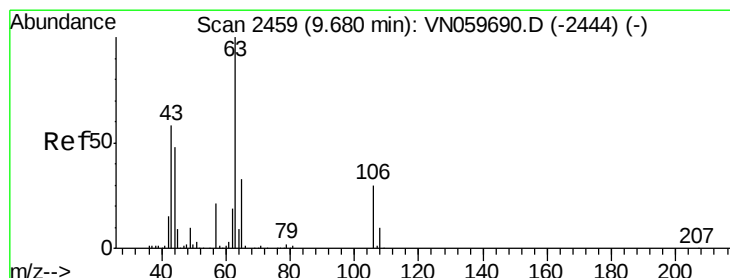
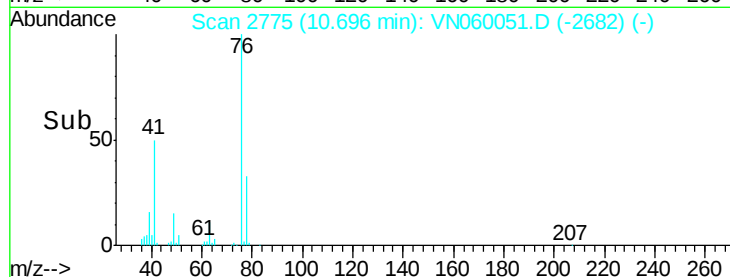
60000

40000

20000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 283.296 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060051.D

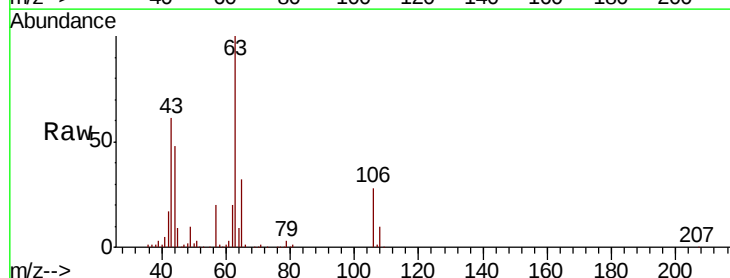
Acq: 10 Feb 2020 17:04

Tgt Ion: 63 Resp: 256400

Ion Ratio Lower Upper

63 100

106 28.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

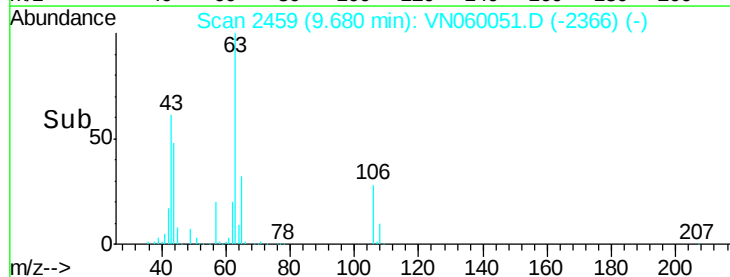
150000

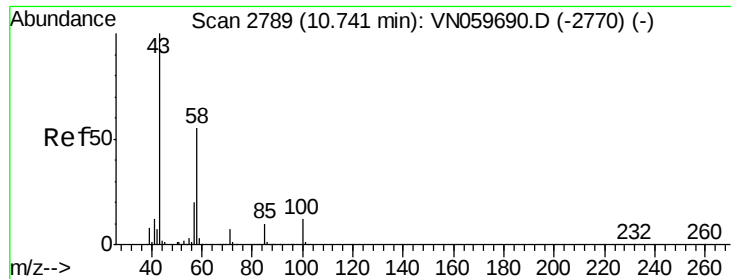
100000

50000

0

Time--> 9.60 9.70 9.80





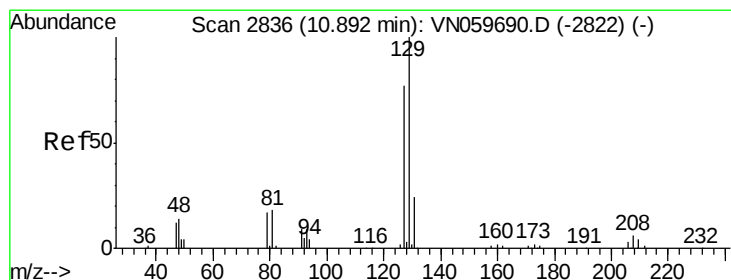
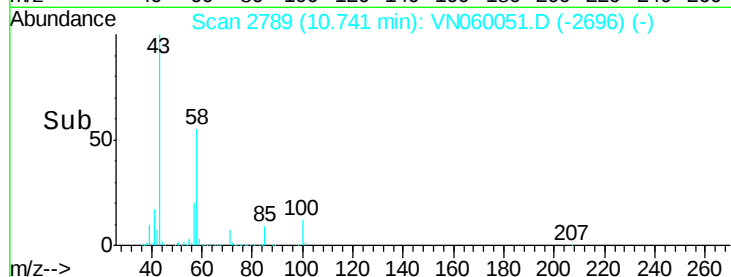
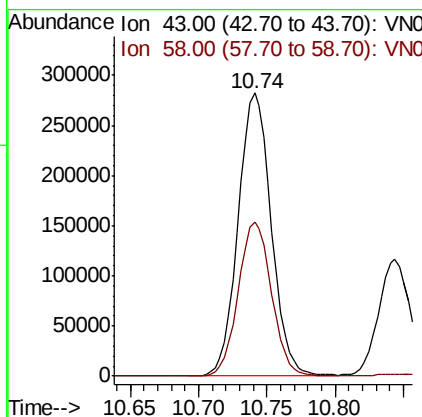
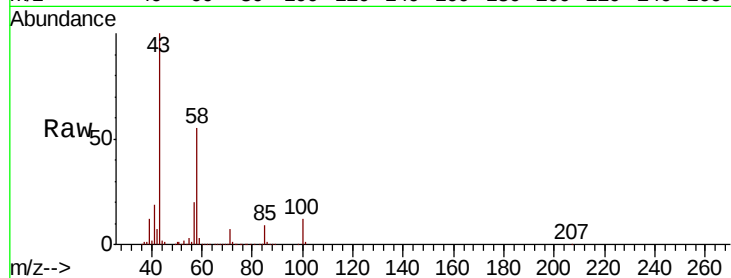
#59
2-Hexanone
Concen: 261.883 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 474222
Ion Ratio Lower Upper
43 100
58 54.9 25.8 77.3

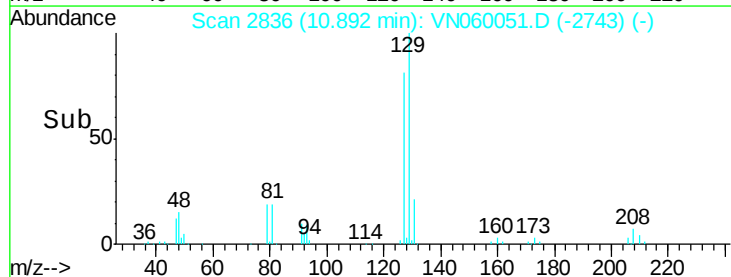
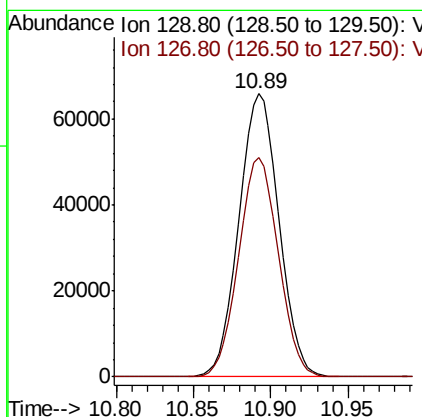
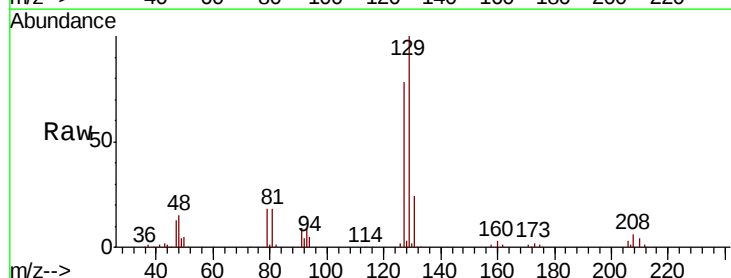
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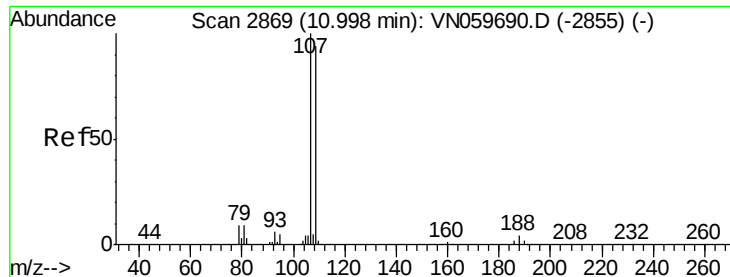
MMDadoda
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#60
Dibromochloromethane
Concen: 53.023 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion: 129 Resp: 118737
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





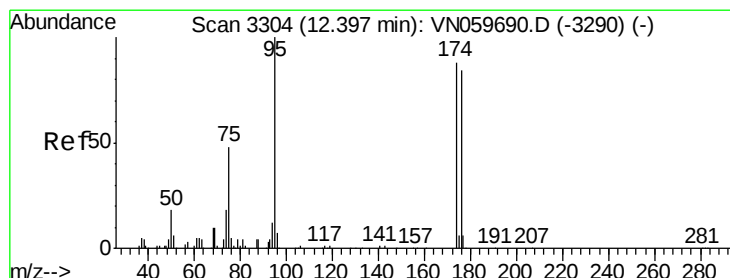
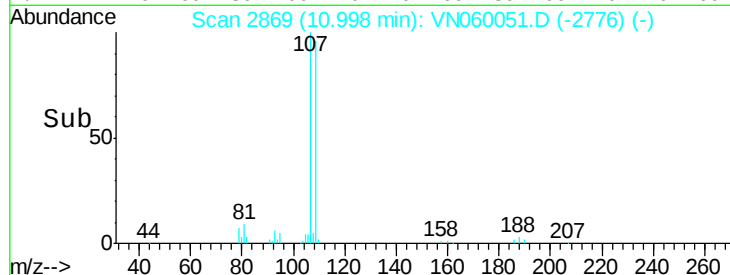
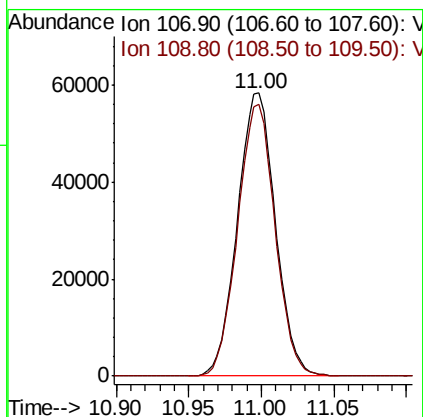
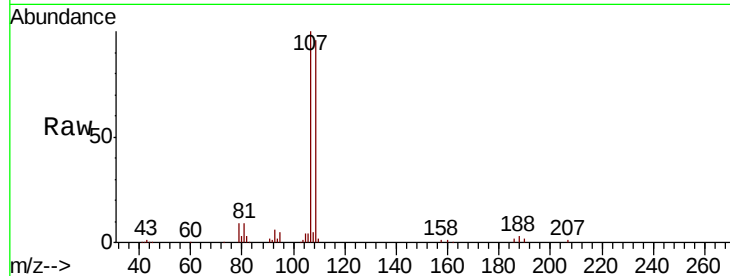
#61
1,2-Dibromoethane
Concen: 51.556 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.6	115.0

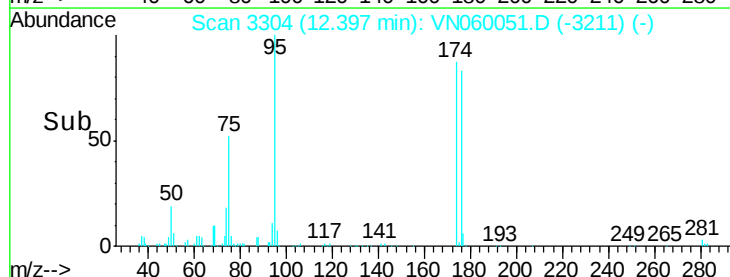
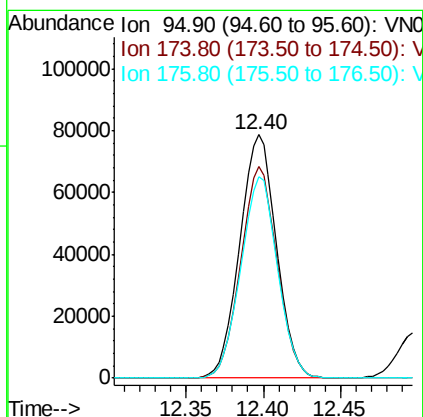
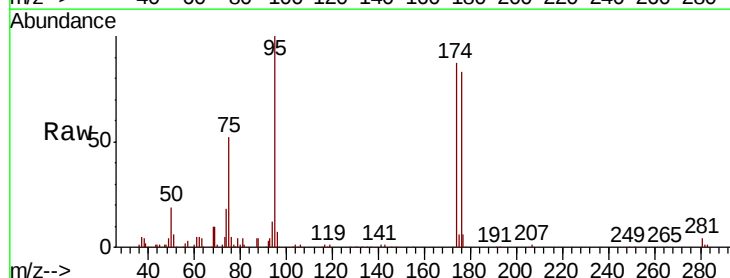
Manual Integrations
APPROVED

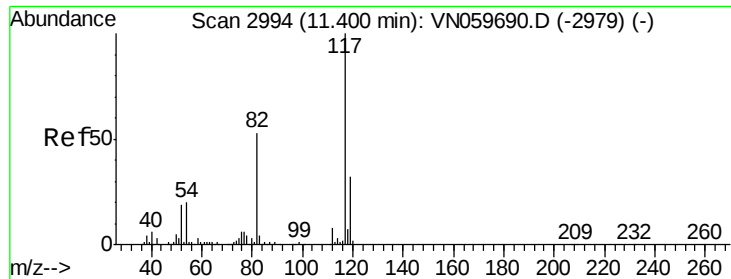
MMDadoda
2/11/2020 11:03:53 AM



#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	151.4
176	83.0	0.0	146.0





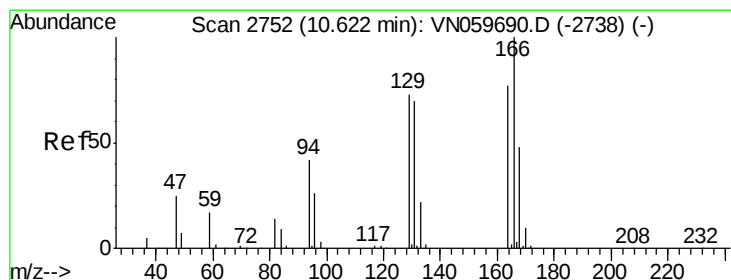
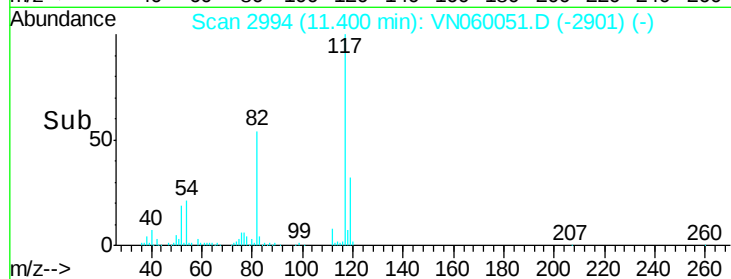
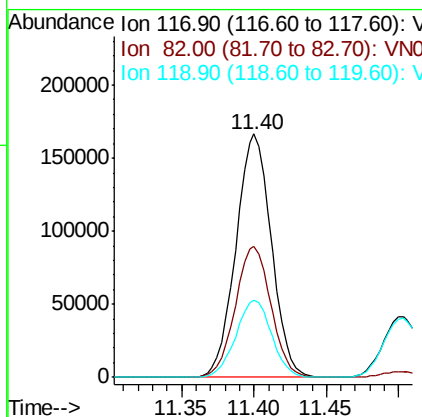
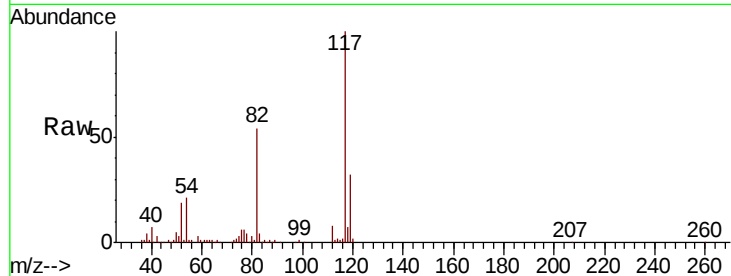
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.9	68.9
119	31.7	25.5	38.3

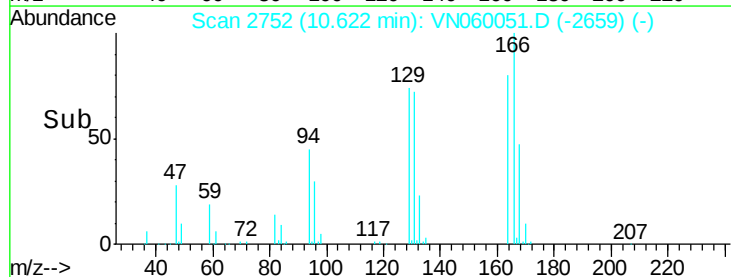
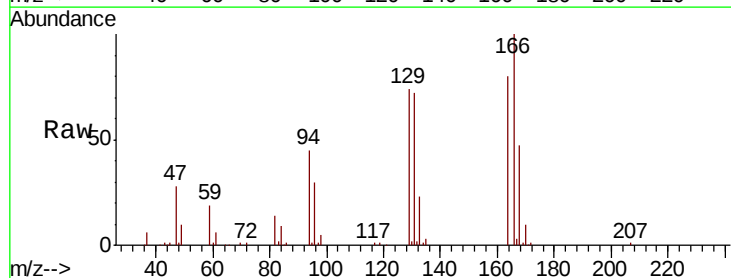
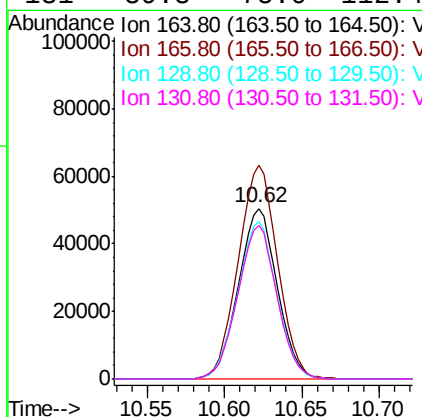
Manual Integrations
APPROVED

MMDadoda
2/11/2020 11:03:53 AM



#64
Tetrachloroethene
Concen: 38.310 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.4	152.0
129	92.0	80.2	120.4
131	89.8	75.0	112.4





#65

Chlorobenzene

Concen: 48.159 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 267470

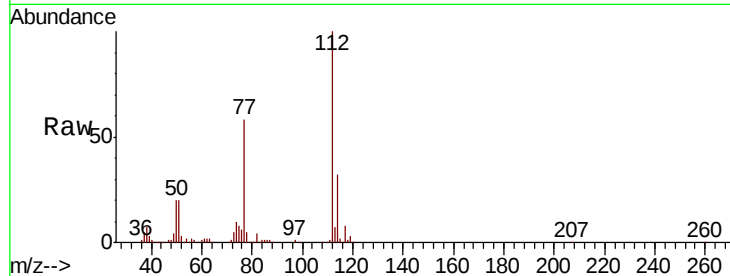
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

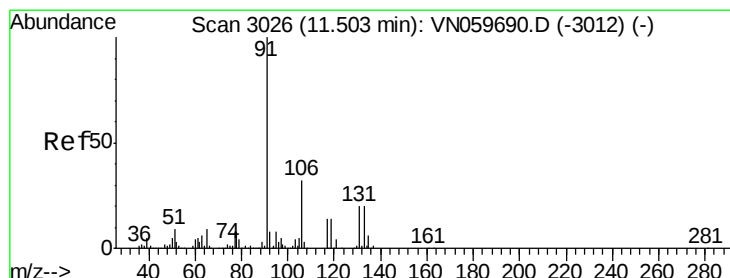
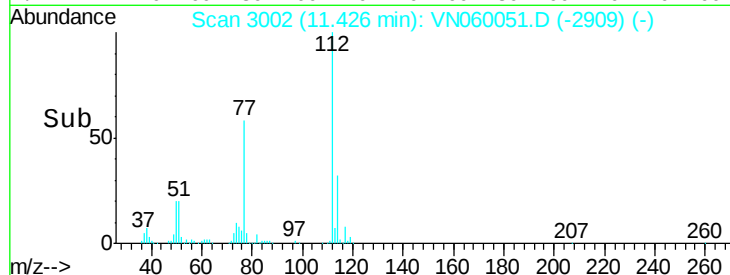
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.126 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

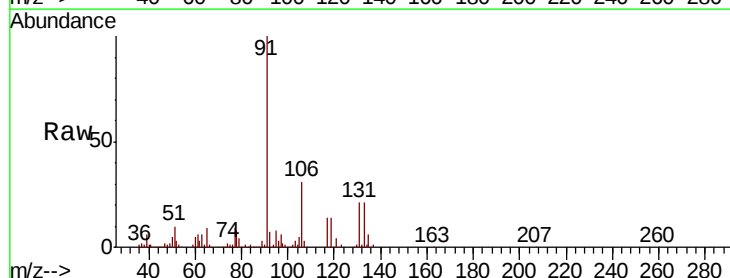
Tgt Ion:131 Resp: 107571

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.2

119 66.2 33.1 99.3



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

11.50

80000

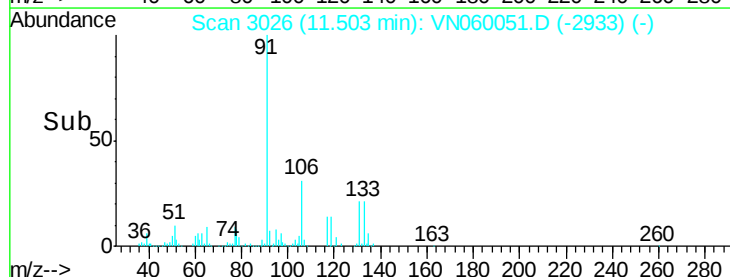
60000

40000

20000

0

Time-->





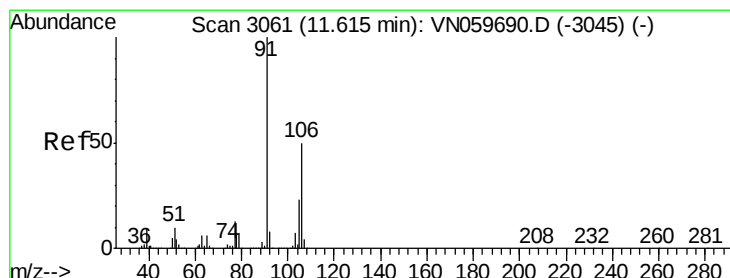
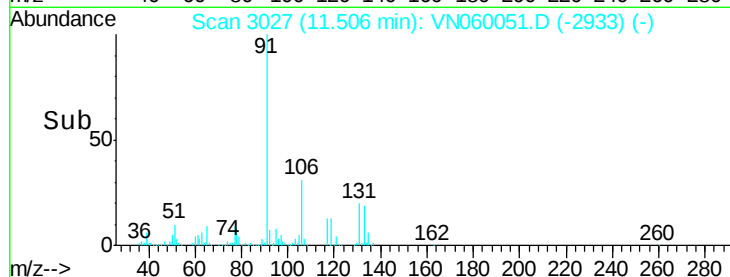
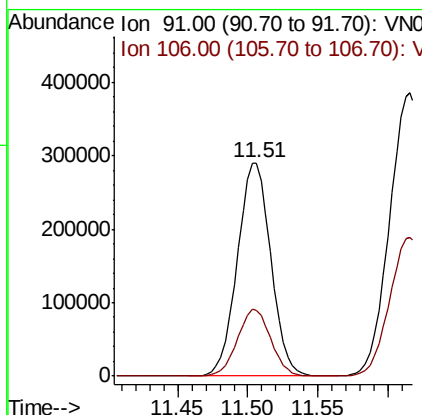
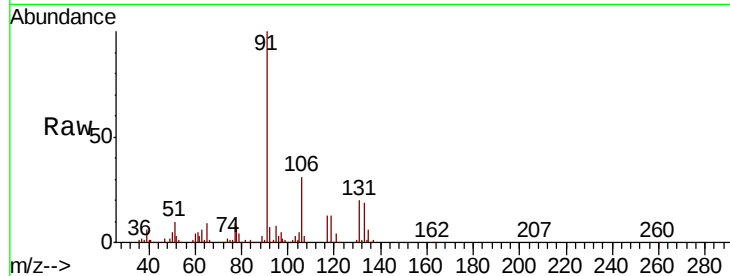
#67
Ethyl Benzene
Concen: 47.936 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 483295
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1

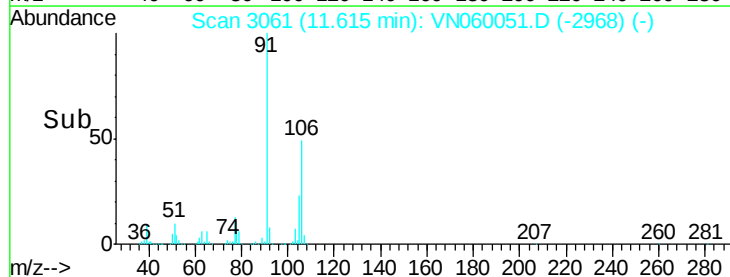
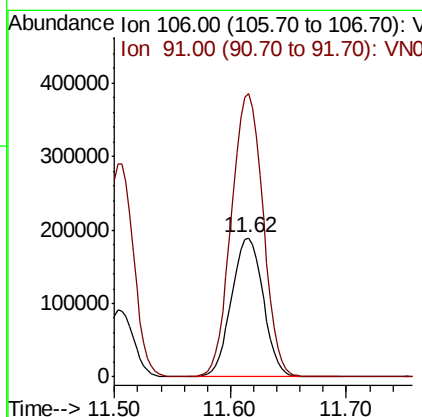
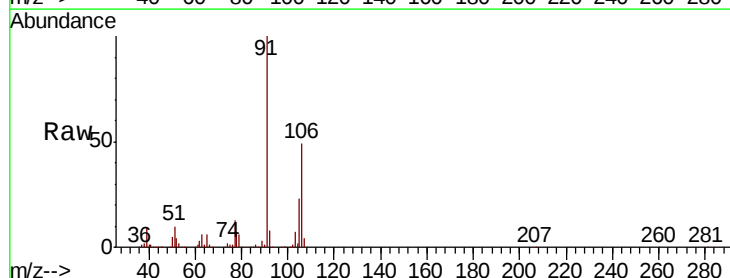
Manual Integrations
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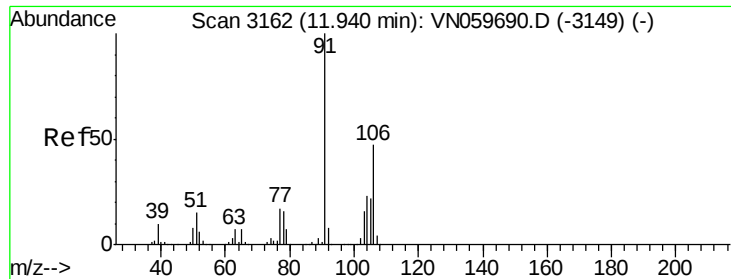
MMDadoda
2/11/2020 11:03:53 AM



#68
m/p-Xylenes
Concen: 94.489 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion: 106 Resp: 359854
Ion Ratio Lower Upper
106 100
91 203.6 167.9 251.9





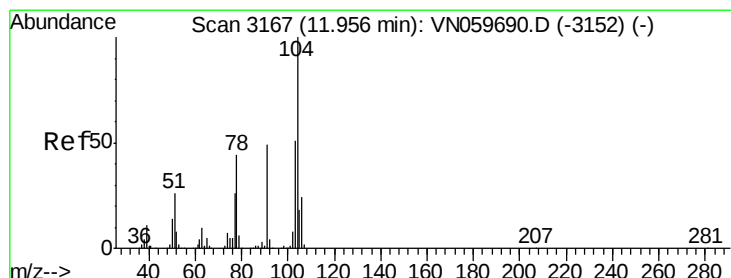
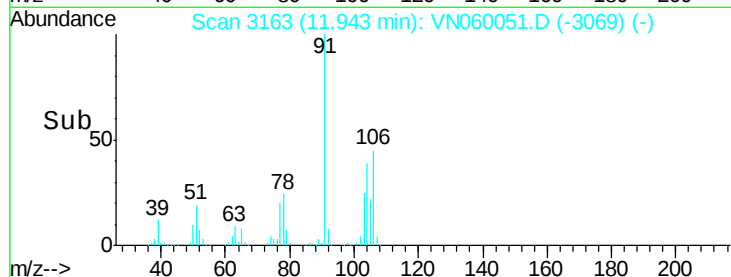
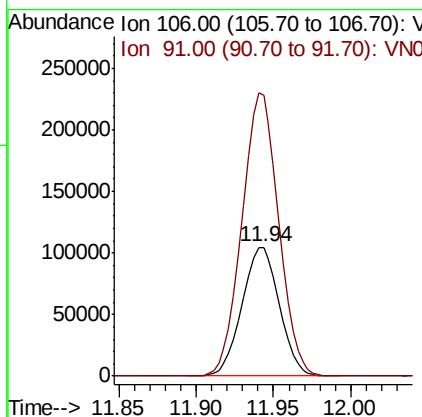
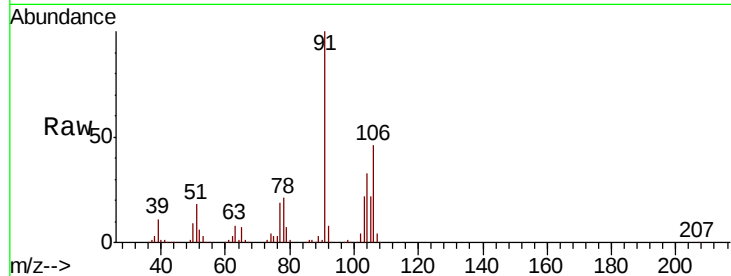
#69
o-Xylene
Concen: 47.146 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.4	110.3	330.9		

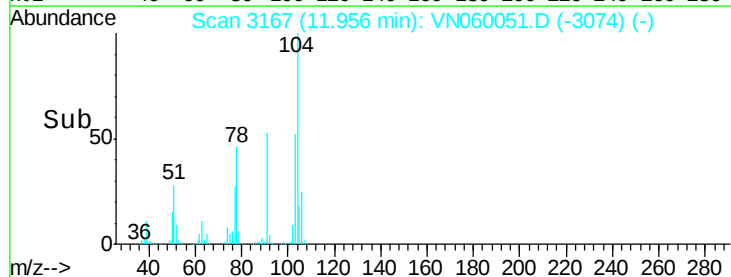
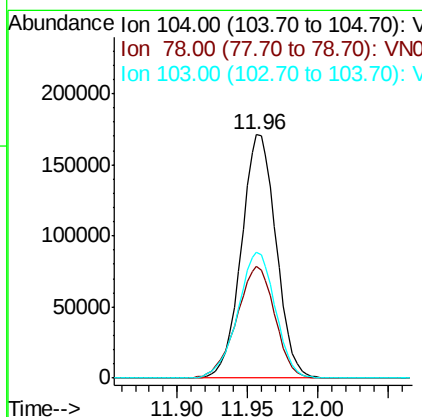
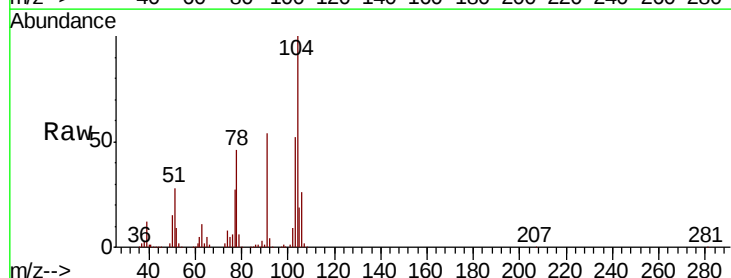
Manual Integrations
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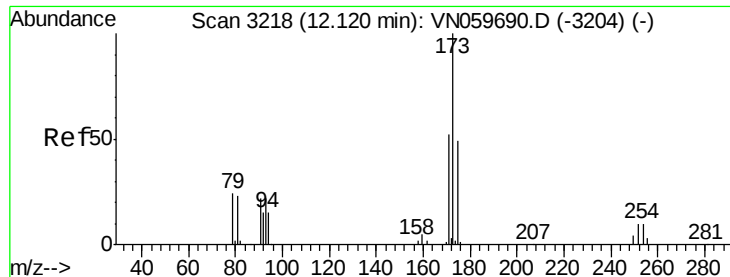
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#70
Styrene
Concen: 47.344 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.5	42.4	63.6		
103	55.9	43.9	65.9		





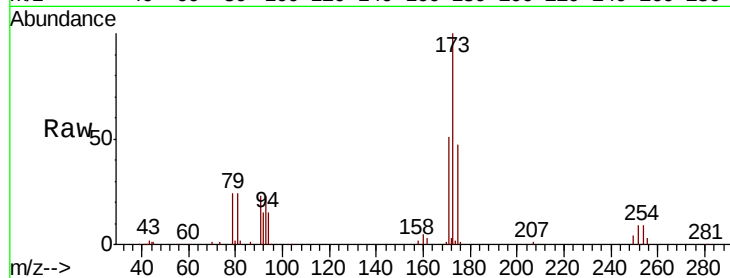
#71
Bromoform
Concen: 53.682 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

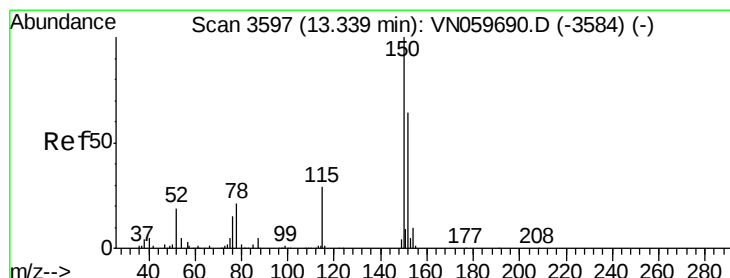
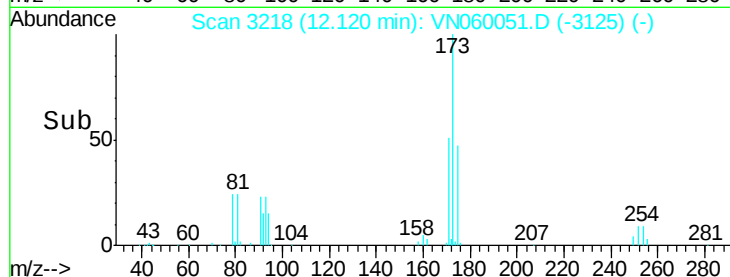
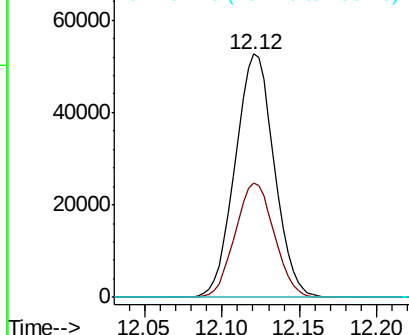
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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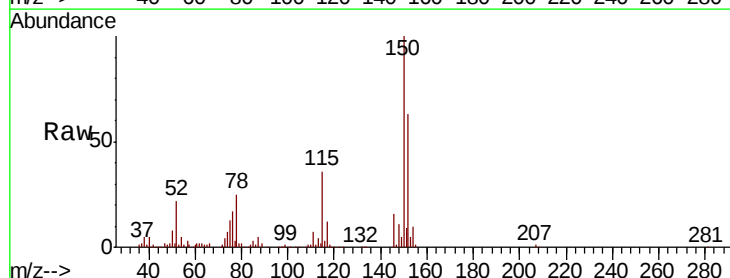


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

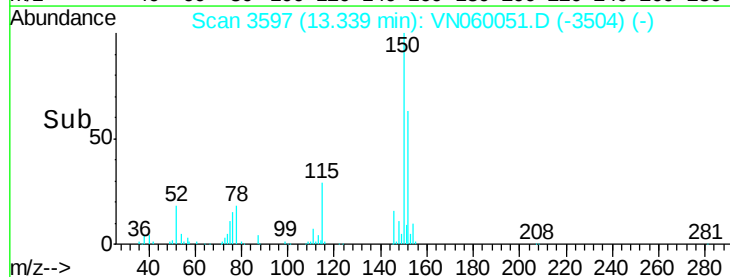
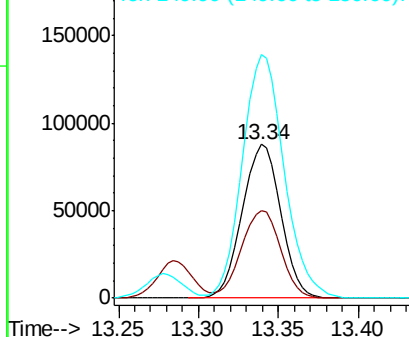


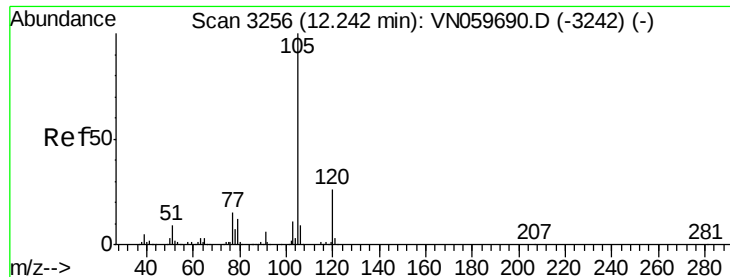
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.3	90.9
150	172.0	0.0	345.2



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: 45.789 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 485213

Ion Ratio Lower Upper

105 100

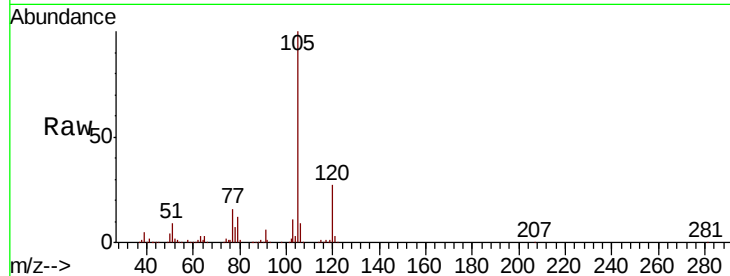
120 26.7 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

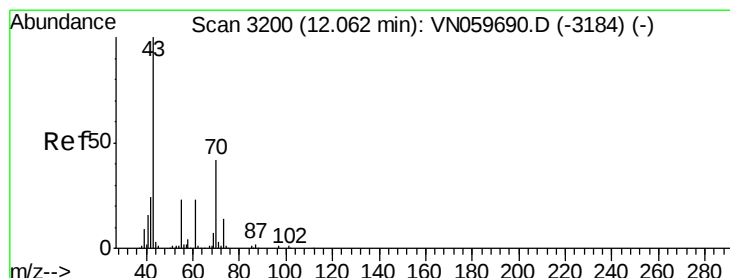
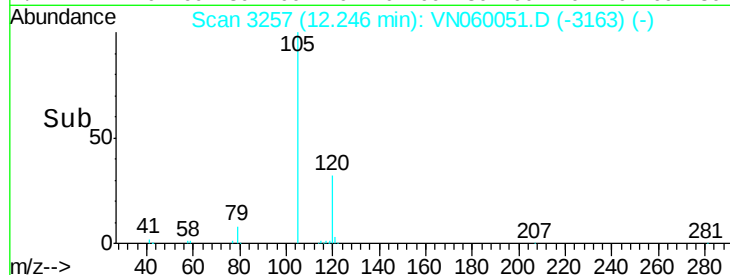
200000

100000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 47.359 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Tgt Ion: 43 Resp: 194737

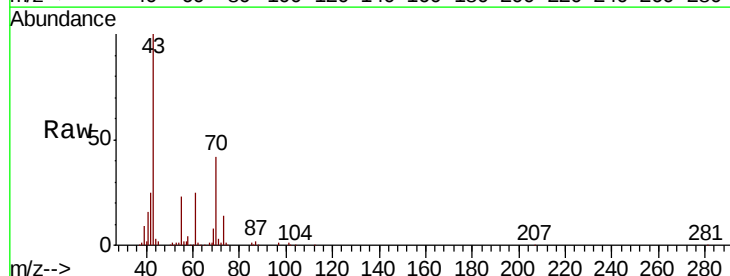
Ion Ratio Lower Upper

43 100

70 42.1 31.3 46.9

55 23.5 19.8 29.6

61 24.4 18.3 27.5



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

200000

150000

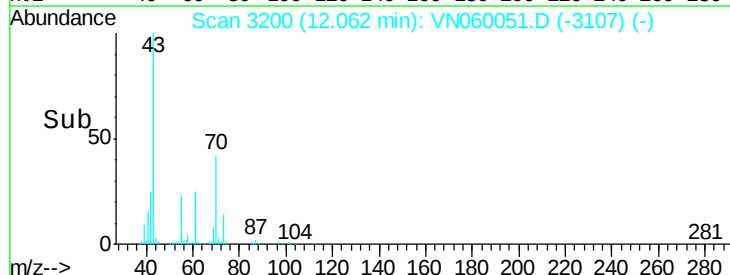
100000

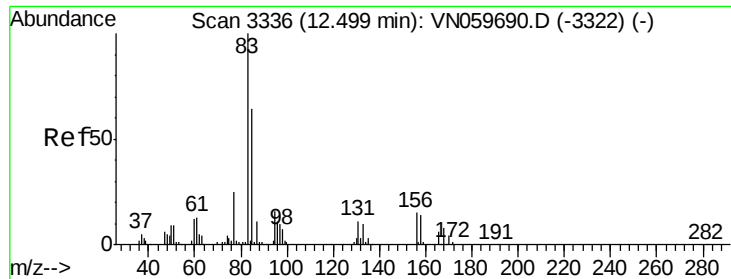
50000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.123 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 157052
Ion Ratio Lower Upper

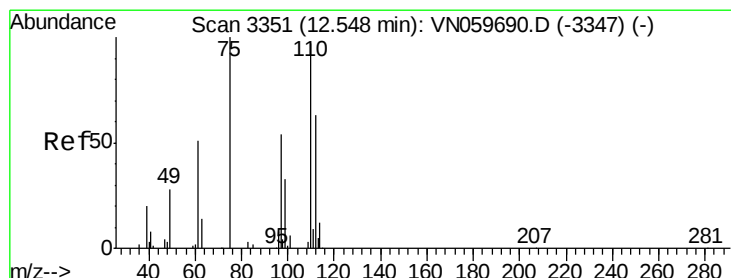
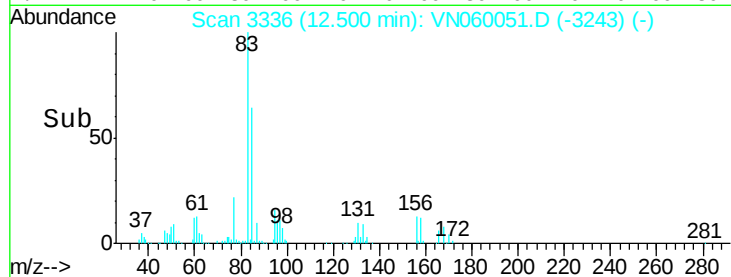
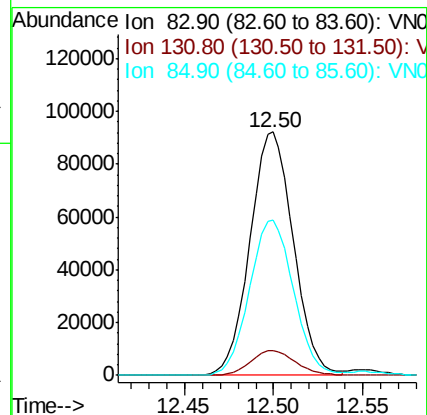
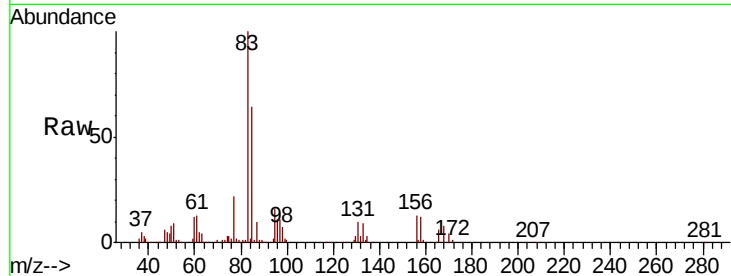
83 100

131 10.6 5.0 14.9

85 64.6 31.9 95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.625 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

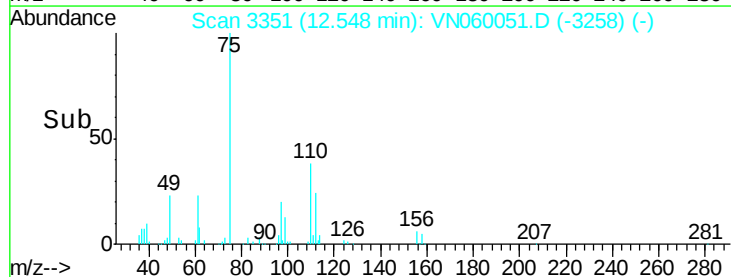
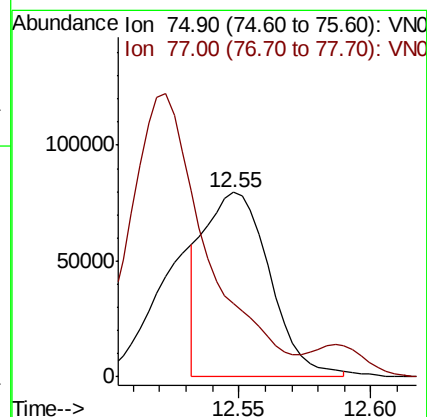
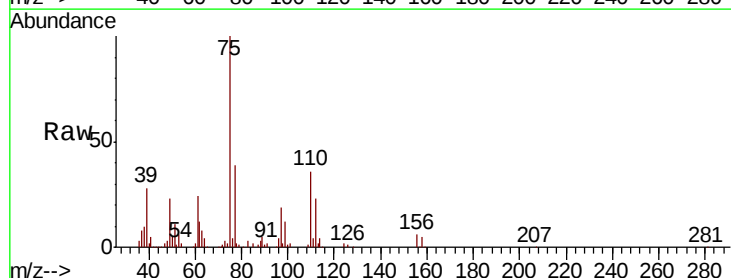
Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Tgt Ion: 75 Resp: 137691
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 45.824 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 122969

Ion Ratio Lower Upper

156 100

77 201.4 115.8 347.4

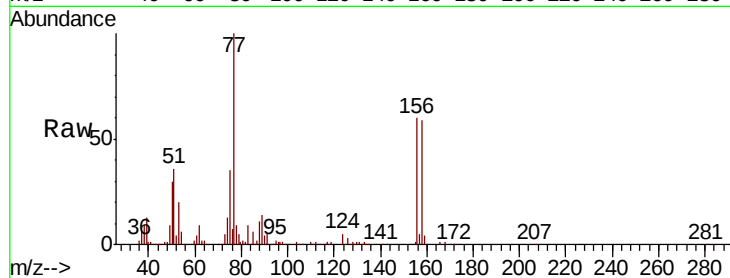
158 97.8 49.2 147.6

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

150000

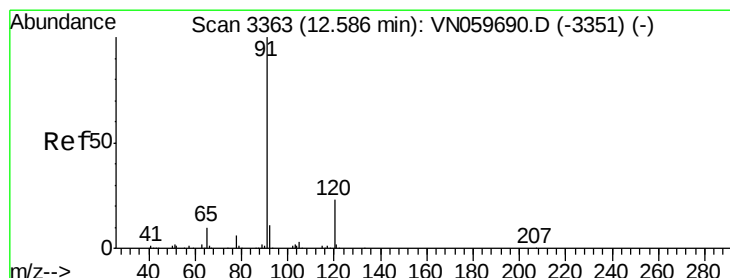
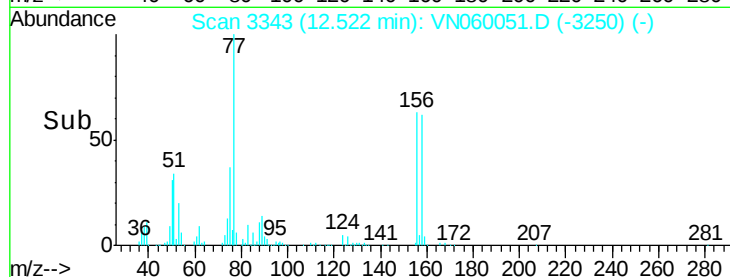
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 46.515 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060051.D

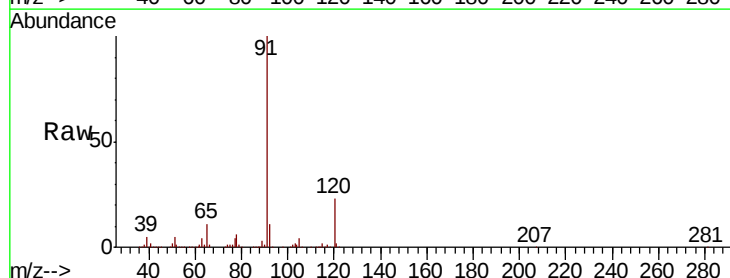
Acq: 10 Feb 2020 17:04

Tgt Ion: 91 Resp: 553246

Ion Ratio Lower Upper

91 100

120 22.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

300000

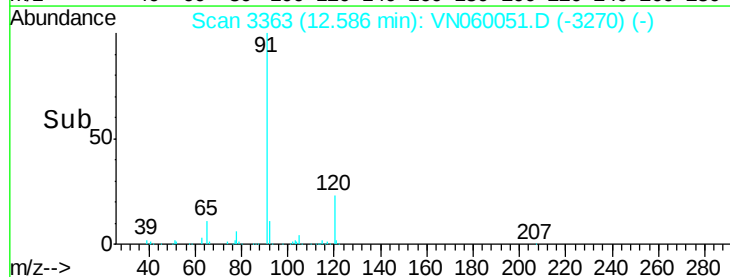
200000

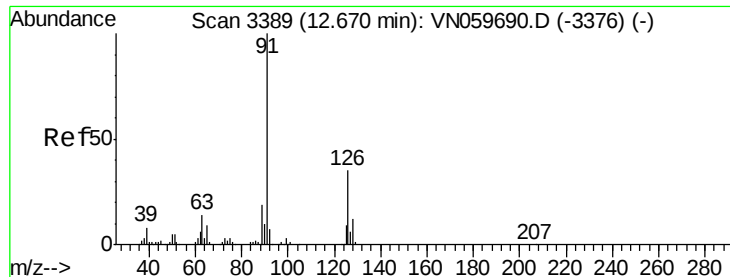
100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 46.509 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 329080

Ion Ratio Lower Upper

91 100

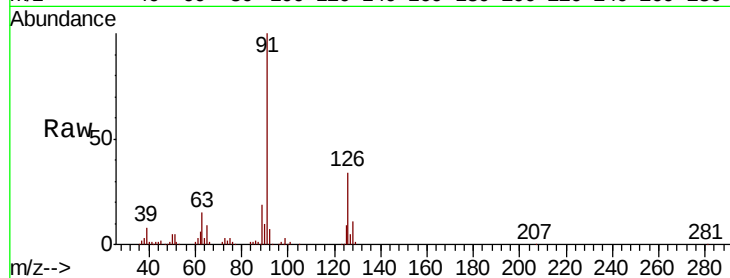
126 34.2 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059690.D (-3376) (-)

300000

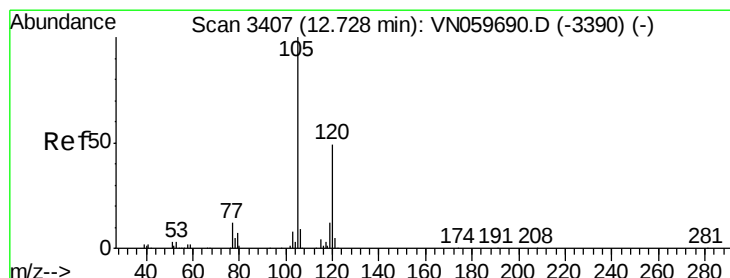
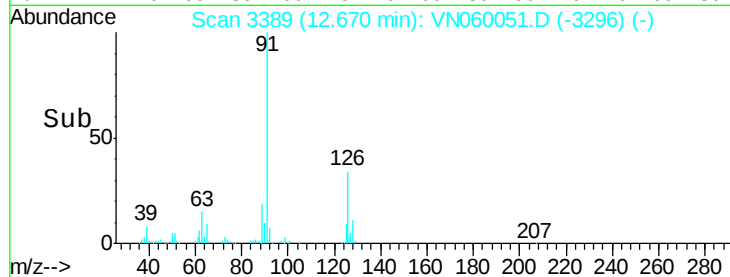
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.694 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060051.D

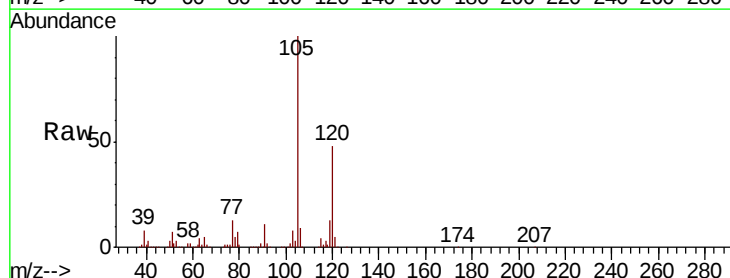
Acq: 10 Feb 2020 17:04

Tgt Ion: 105 Resp: 407222

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)

300000

250000

200000

150000

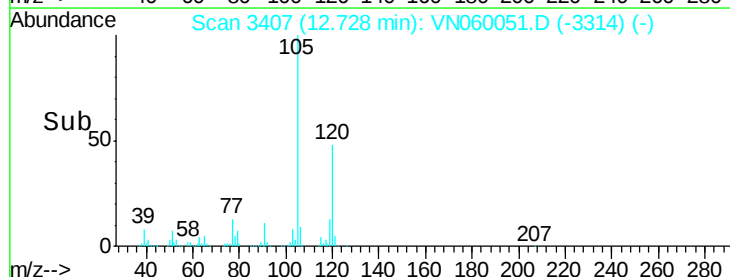
100000

50000

0

12.70 12.75 12.80

Time-->





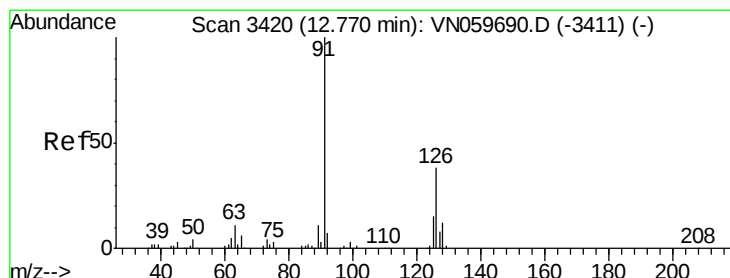
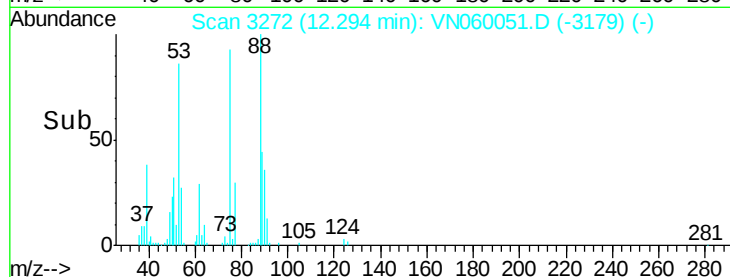
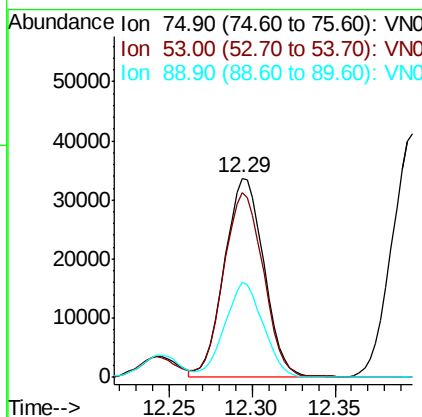
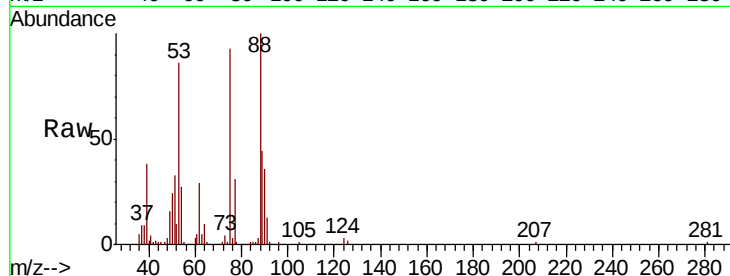
#81
trans-1,4-Dichloro-2-butene
Concen: 49.584 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.4	78.1	117.1
89	45.9	35.4	53.2

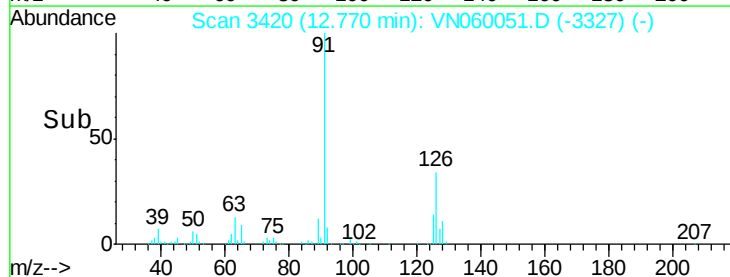
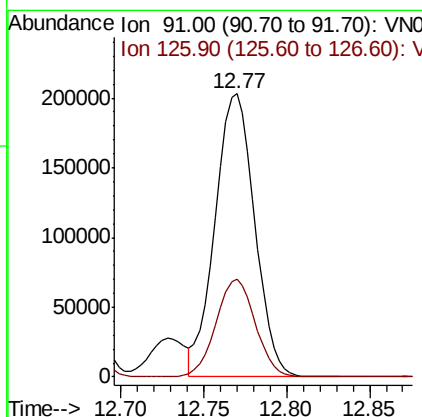
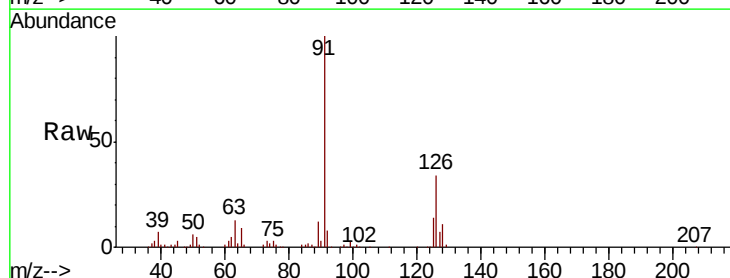
Manual Integrations
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#82
4-Chlorotoluene
Concen: 47.435 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.3	48.8





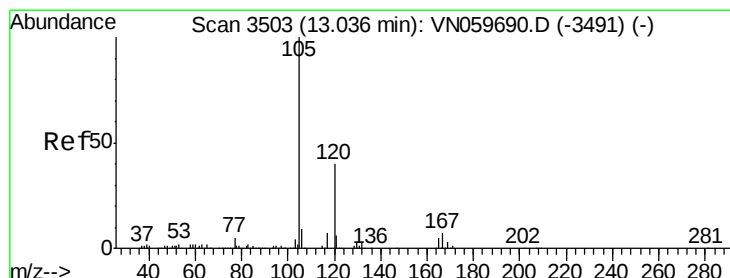
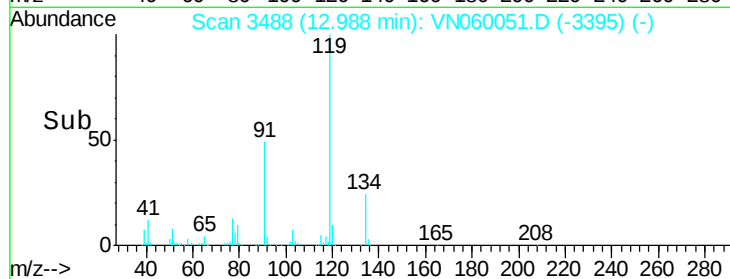
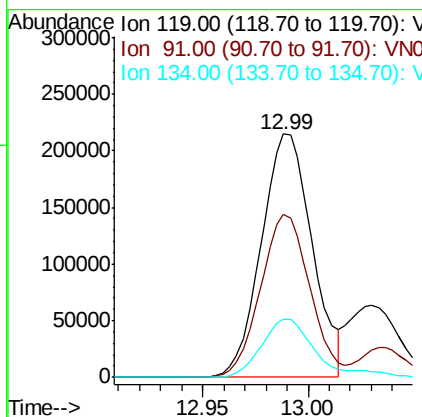
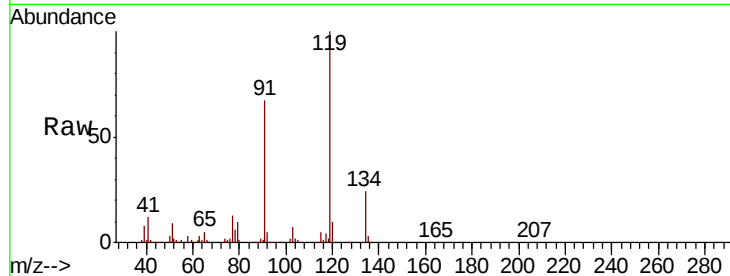
#83
tert-Butylbenzene
Concen: 46.791 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	34.8	104.4
134	25.7	12.3	36.9

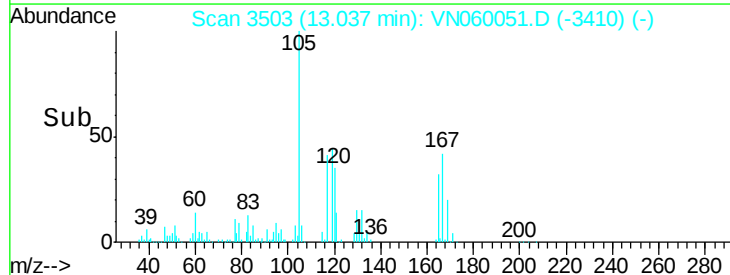
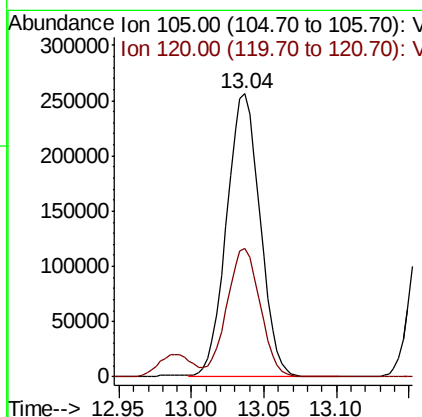
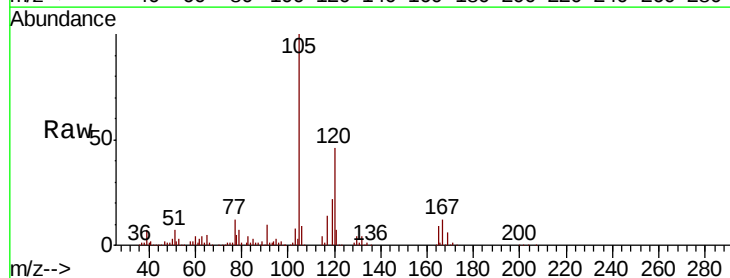
Manual Integrations
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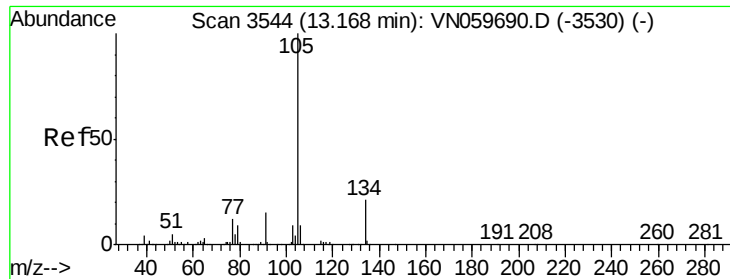
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.393 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 47.208 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 478062

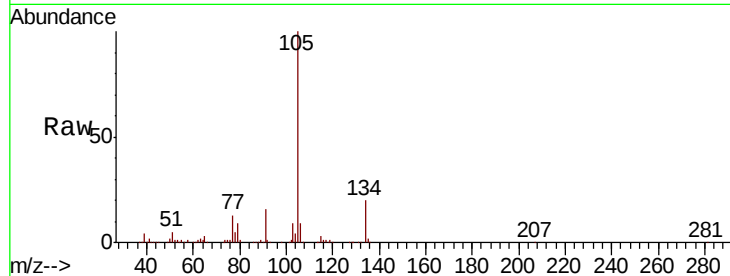
Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

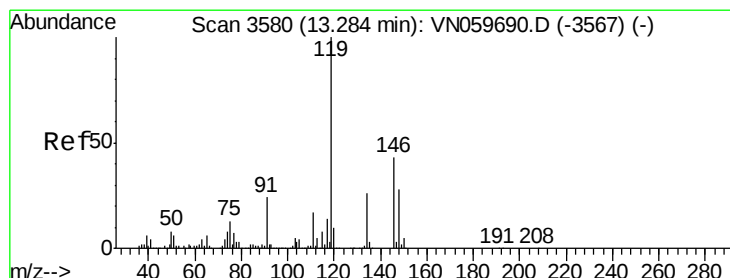
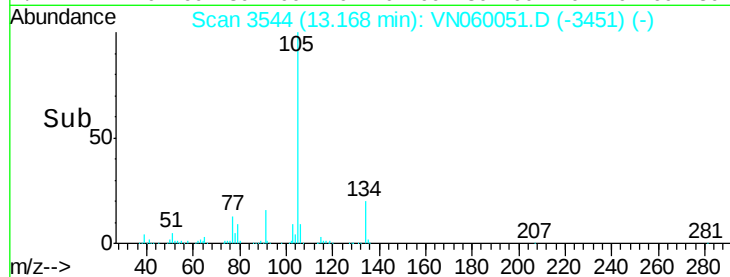
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.905 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

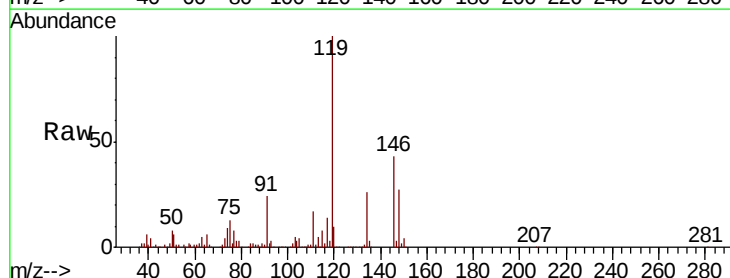
Tgt Ion:119 Resp: 439516

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 23.6 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

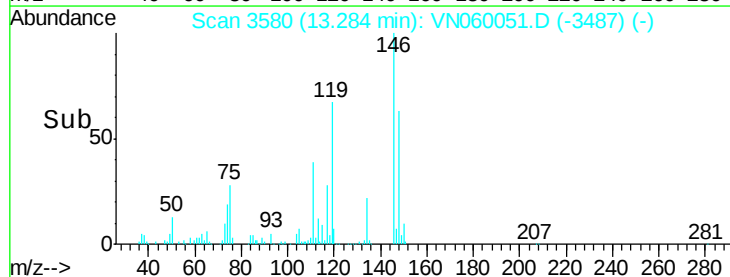
300000

200000

100000

0

Time-->





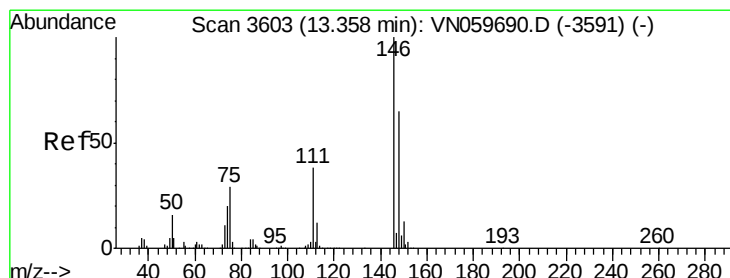
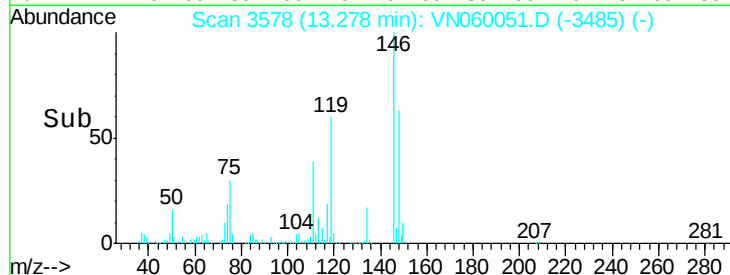
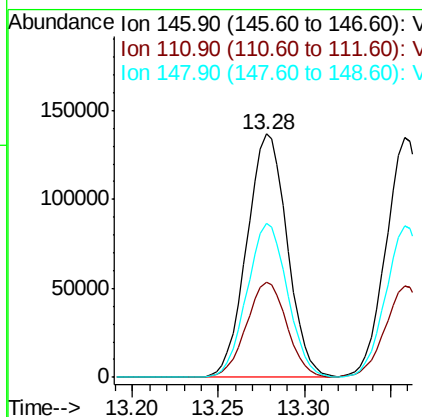
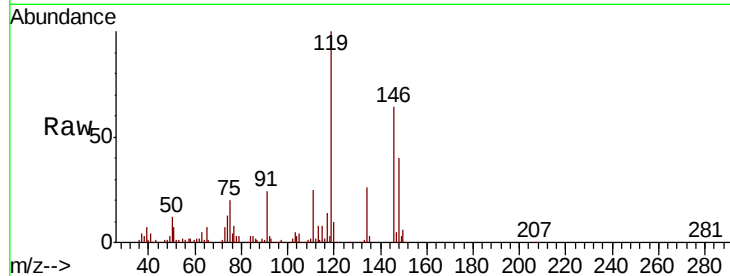
#87
 1,3-Dichlorobenzene
 Concen: 47.787 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	63.5	32.0	96.0

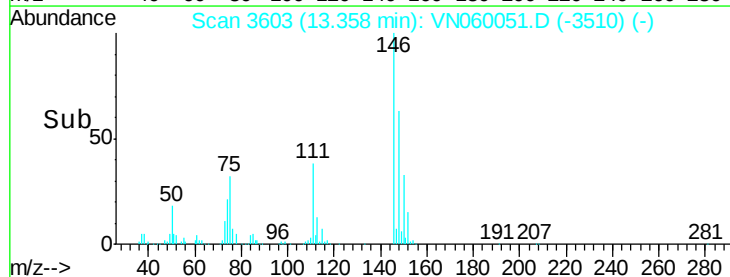
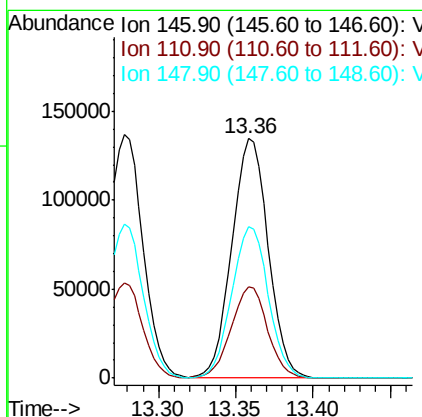
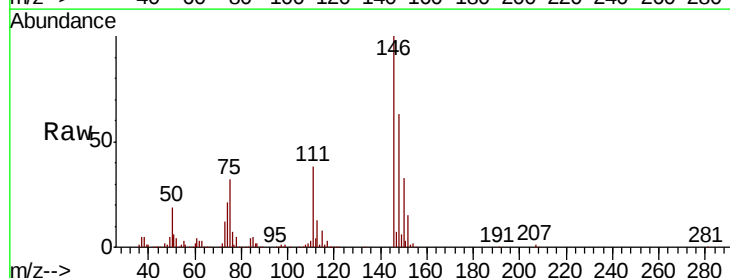
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#88
 1,4-Dichlorobenzene
 Concen: 47.290 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.8	62.2
148	63.7	31.8	95.4





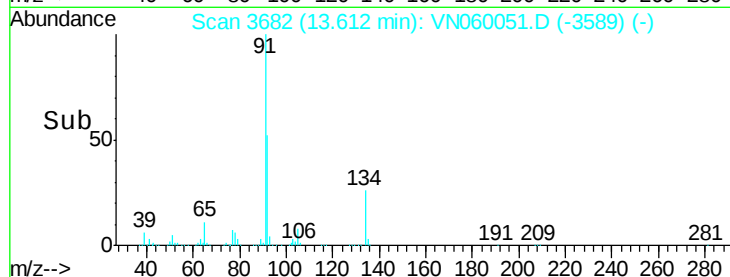
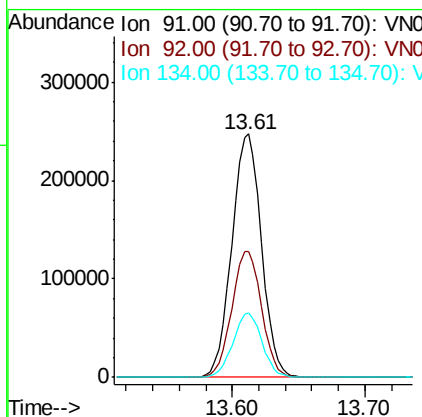
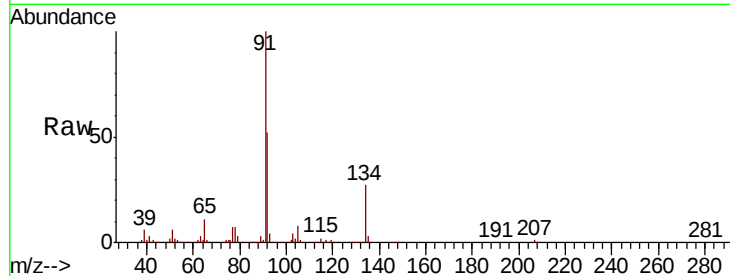
#89
n-Butylbenzene
Concen: 48.007 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	26.0	12.3	36.8

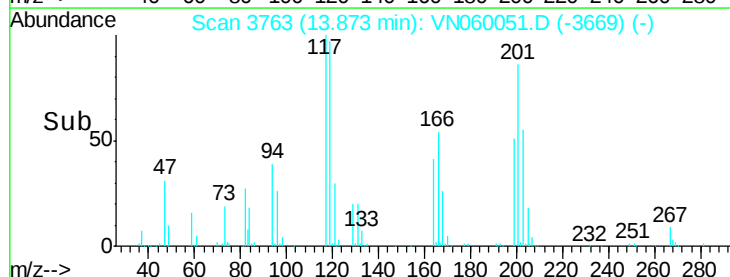
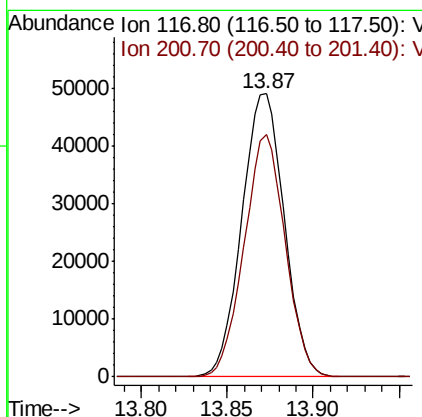
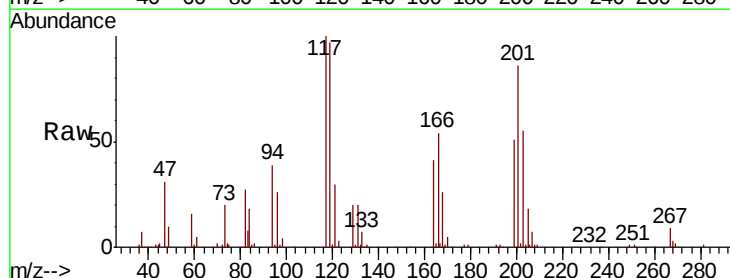
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#90
Hexachloroethane
Concen: 47.937 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060051.D
Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 47.206 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

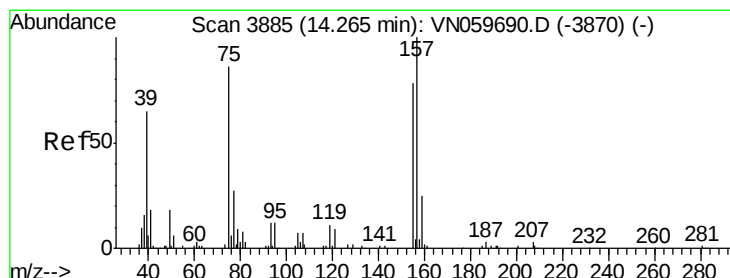
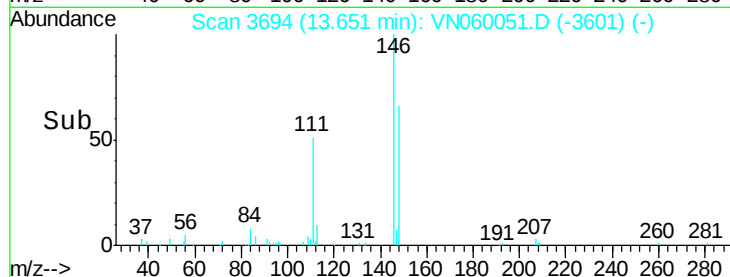
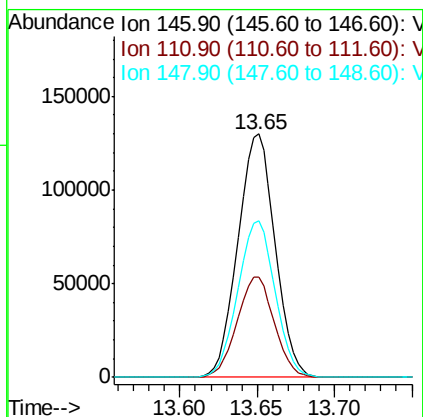
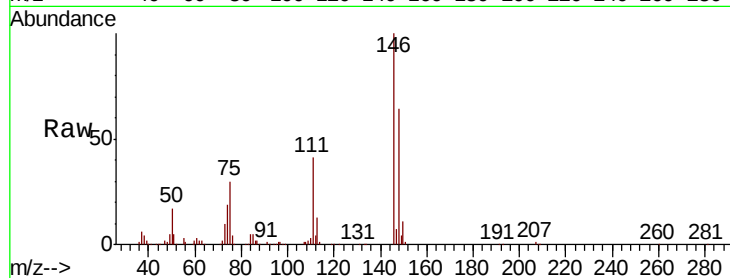
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	217542
Ion Ratio	Lower	Upper	
146	100		
111	41.1	21.6	64.8
148	64.4	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.170 ug/l

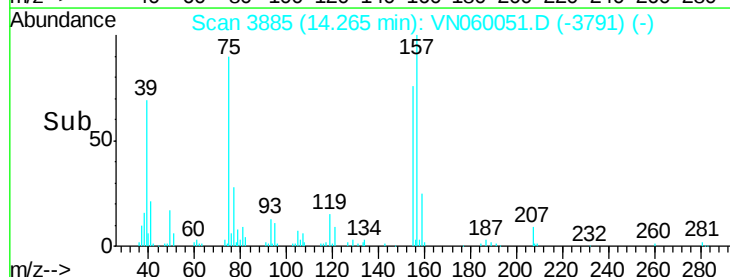
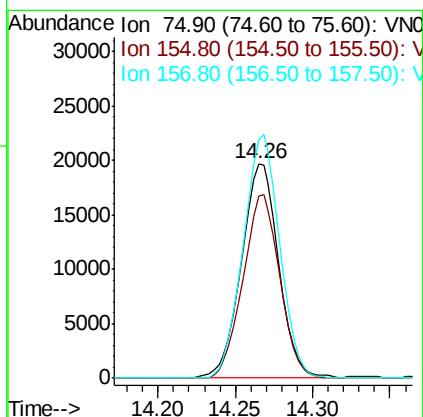
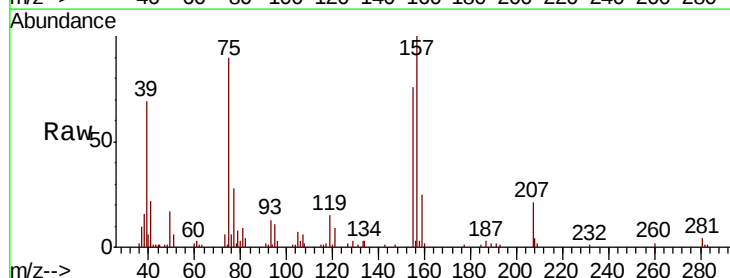
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Tgt Ion:	75	Resp:	33076
Ion Ratio	Lower	Upper	
75	100		
155	84.0	37.0	110.9
157	110.9	48.4	145.2





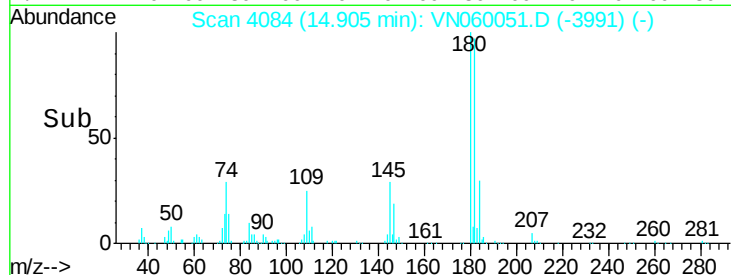
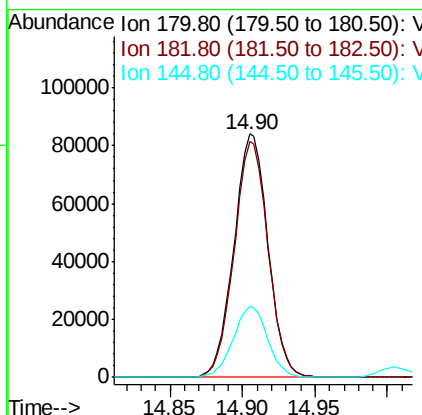
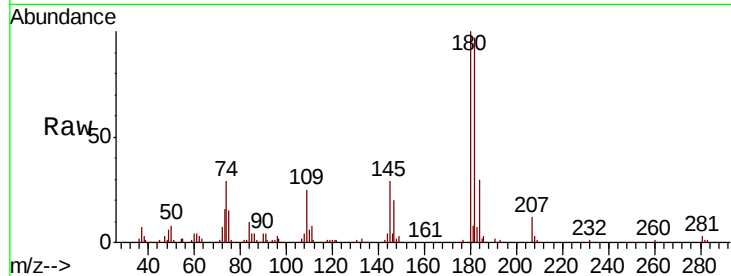
#93
 1,2,4-Trichlorobenzene
 Concen: 49.546 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137197		
182	96.3	46.9	140.7	
145	29.4	15.0	45.1	

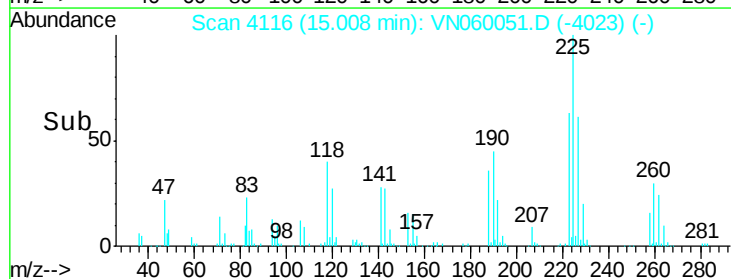
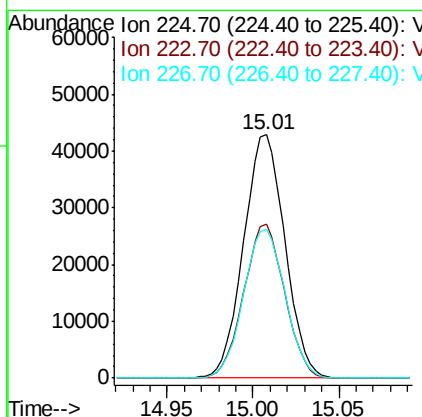
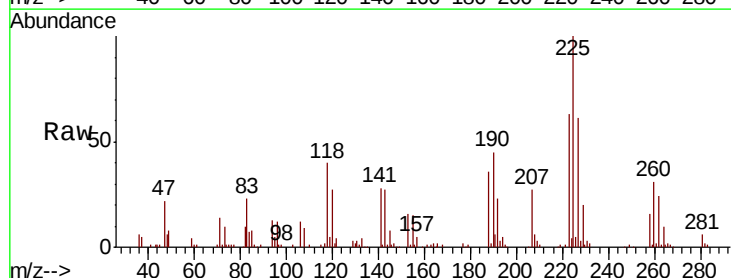
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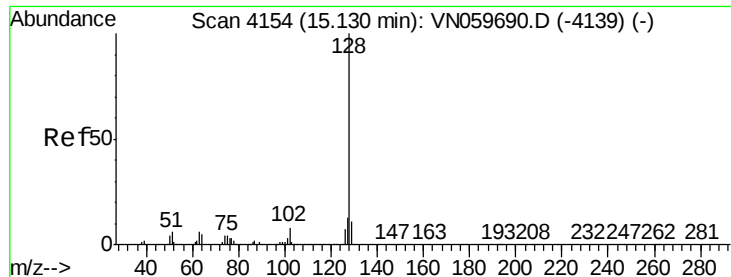
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#94
 Hexachlorobutadiene
 Concen: 46.799 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060051.D
 Acq: 10 Feb 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71412		
223	62.3	31.8	95.3	
227	61.7	32.1	96.5	





#95

Naphthalene

Concen: 48.426 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Instrument :

MSVOA_N

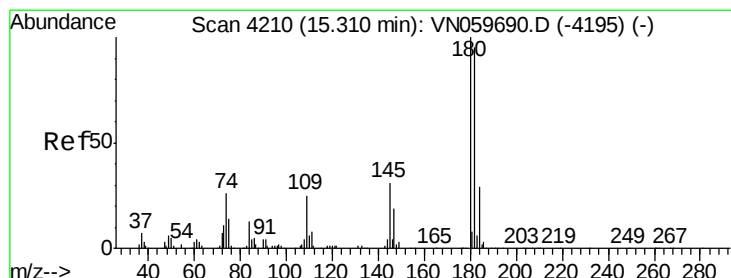
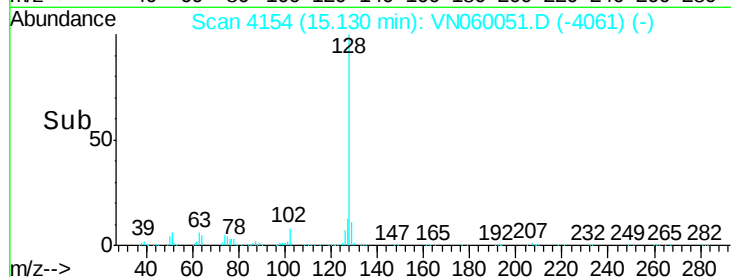
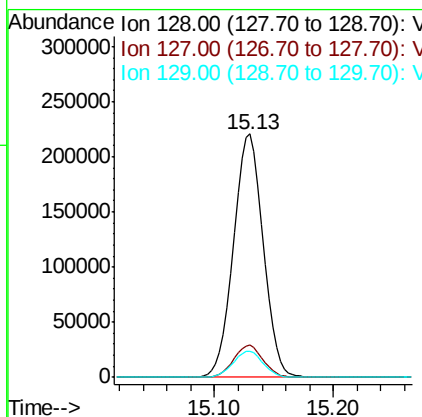
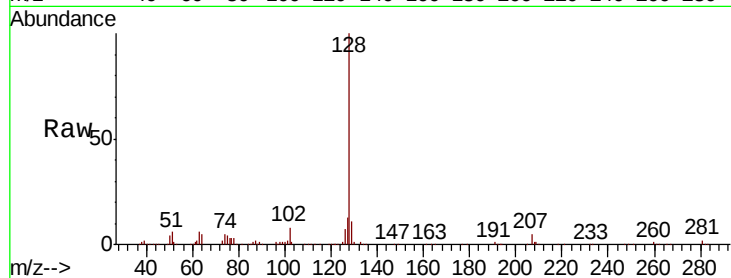
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	381412
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.390 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060051.D

Acq: 10 Feb 2020 17:04

Tgt Ion:	180	Resp:	133120
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.3
145	31.8	16.3	48.9

