

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060130.D
 Acq On : 17 Feb 2020 19:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:27:11 AM

Quant Time: Feb 18 02:57:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	126490	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
35) Dibromofluoromethane	7.57	113	97397	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.08	98	384820	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	146129	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94948	50.826	ug/l	99
3) Chloromethane	2.04	50	118924	53.494	ug/l	98
4) Vinyl Chloride	2.17	62	133736	52.777	ug/l	98
5) Bromomethane	2.54	94	76400	49.170	ug/l	97
6) Chloroethane	2.68	64	66149	51.611	ug/l	99
7) Trichlorofluoromethane	3.00	101	160863	49.238	ug/l	100
8) Diethyl Ether	3.38	74	58042	53.370	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90046	49.643	ug/l	97
10) Methyl Iodide	3.93	142	124689	51.093	ug/l	99
11) Tert butyl alcohol	4.73	59	101075	297.000	ug/l	100
12) 1,1-Dichloroethene	3.72	96	89643	50.731	ug/l	98
13) Acrolein	3.58	56	77069	229.109	ug/l	97
14) Allyl chloride	4.30	41	139235	53.536	ug/l	96
15) Acrylonitrile	4.94	53	247423	297.703	ug/l	99
16) Acetone	3.78	43	246148	248.136	ug/l	99
17) Carbon Disulfide	4.03	76	262843	49.350	ug/l	98
18) Methyl Acetate	4.29	43	112772	60.518	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	309895	52.150	ug/l	100
20) Methylene Chloride	4.52	84	103129	52.109	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	97540	50.639	ug/l	97
22) Diisopropyl ether	5.91	45	316453	55.520	ug/l	98
23) Vinyl Acetate	5.86	43	1376025	287.478	ug/l	97
24) 1,1-Dichloroethane	5.82	63	183458	53.132	ug/l	99
25) 2-Butanone	6.80	43	354153	283.868	ug/l	97
26) 2,2-Dichloropropane	6.80	77	155188	47.319	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	113121	50.182	ug/l	97
28) Bromochloromethane	7.17	49	77311	56.953	ug/l	92
29) Tetrahydrofuran	7.18	42	228047	297.954	ug/l	96
30) Chloroform	7.35	83	184684	51.060	ug/l	100
31) Cyclohexane	7.63	56	166588	51.792	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	168179	50.881	ug/l	99
36) 1,1-Dichloropropene	7.77	75	139573	48.951	ug/l	99
37) Ethyl Acetate	6.90	43	143230	55.582	ug/l	99
38) Carbon Tetrachloride	7.75	117	146945	47.453	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	171995	48.594	ug/l	97
40) Benzene	8.02	78	413140	48.846	ug/l	99
41) Methacrylonitrile	7.15	41	64161m	59.370	ug/l	
42) 1,2-Dichloroethane	8.10	62	148459	50.080	ug/l	98
43) Isopropyl Acetate	8.14	43	245006	55.619	ug/l	97
44) Trichloroethene	8.82	130	107381	45.850	ug/l	96
45) 1,2-Dichloropropane	9.10	63	109648	52.363	ug/l	99
46) Dibromomethane	9.19	93	73375	49.585	ug/l	97
47) Bromodichloromethane	9.39	83	150494	50.023	ug/l	98
48) Methyl methacrylate	9.18	41	109876	55.594	ug/l	95
49) 1,4-Dioxane	9.18	88	39720	1176.237	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	739707	290.113	ug/l	98
52) Toluene	10.14	92	265922	49.028	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	173718	51.156	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	178816	50.006	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	104017	49.158	ug/l	98
56) Ethyl methacrylate	10.42	69	161736	54.032	ug/l	97
57) 1,3-Dichloropropane	10.70	76	173832	49.787	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	390080	279.727	ug/l	97
59) 2-Hexanone	10.74	43	556756	282.676	ug/l	98
60) Dibromochloromethane	10.89	129	118263	48.704	ug/l	98
61) 1,2-Dibromoethane	10.99	107	110687	49.900	ug/l	99
64) Tetrachloroethene	10.62	164	93797	42.278	ug/l	98
65) Chlorobenzene	11.43	112	281193	47.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	107640	47.855	ug/l	99
67) Ethyl Benzene	11.50	91	518718	48.371	ug/l	99
68) m/p-Xylenes	11.62	106	390586	97.045	ug/l	99
69) o-Xylene	11.94	106	187841	48.472	ug/l	99
70) Styrene	11.96	104	315740	50.526	ug/l	99
71) Bromoform	12.12	173	91295	50.464	ug/l #	97
73) Isopropylbenzene	12.24	105	512671	45.657	ug/l	100
74) N-amyl acetate	12.06	43	224586	55.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	162320	50.223	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	141948m	49.341	ug/l	
77) Bromobenzene	12.52	156	125600	45.073	ug/l	95
78) n-propylbenzene	12.59	91	598592	46.790	ug/l	99
79) 2-Chlorotoluene	12.67	91	350648	46.632	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	435651	46.663	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	59919	50.997	ug/l	99
82) 4-Chlorotoluene	12.77	91	358648	46.489	ug/l	99
83) tert-Butylbenzene	12.99	119	372214	45.068	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	430241	46.684	ug/l	100
85) sec-Butylbenzene	13.17	105	506008	46.262	ug/l	99
86) p-Isopropyltoluene	13.28	119	456198	46.034	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	225900	45.797	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	225774	45.780	ug/l	99
89) n-Butylbenzene	13.61	91	412434	47.317	ug/l	99
90) Hexachloroethane	13.87	117	84811	45.810	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	217681	45.094	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35304	51.394	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	137384	48.436	ug/l	98
94) Hexachlorobutadiene	15.01	225	71008	42.763	ug/l	99
95) Naphthalene	15.13	128	379657	49.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130509	46.204	ug/l	100

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

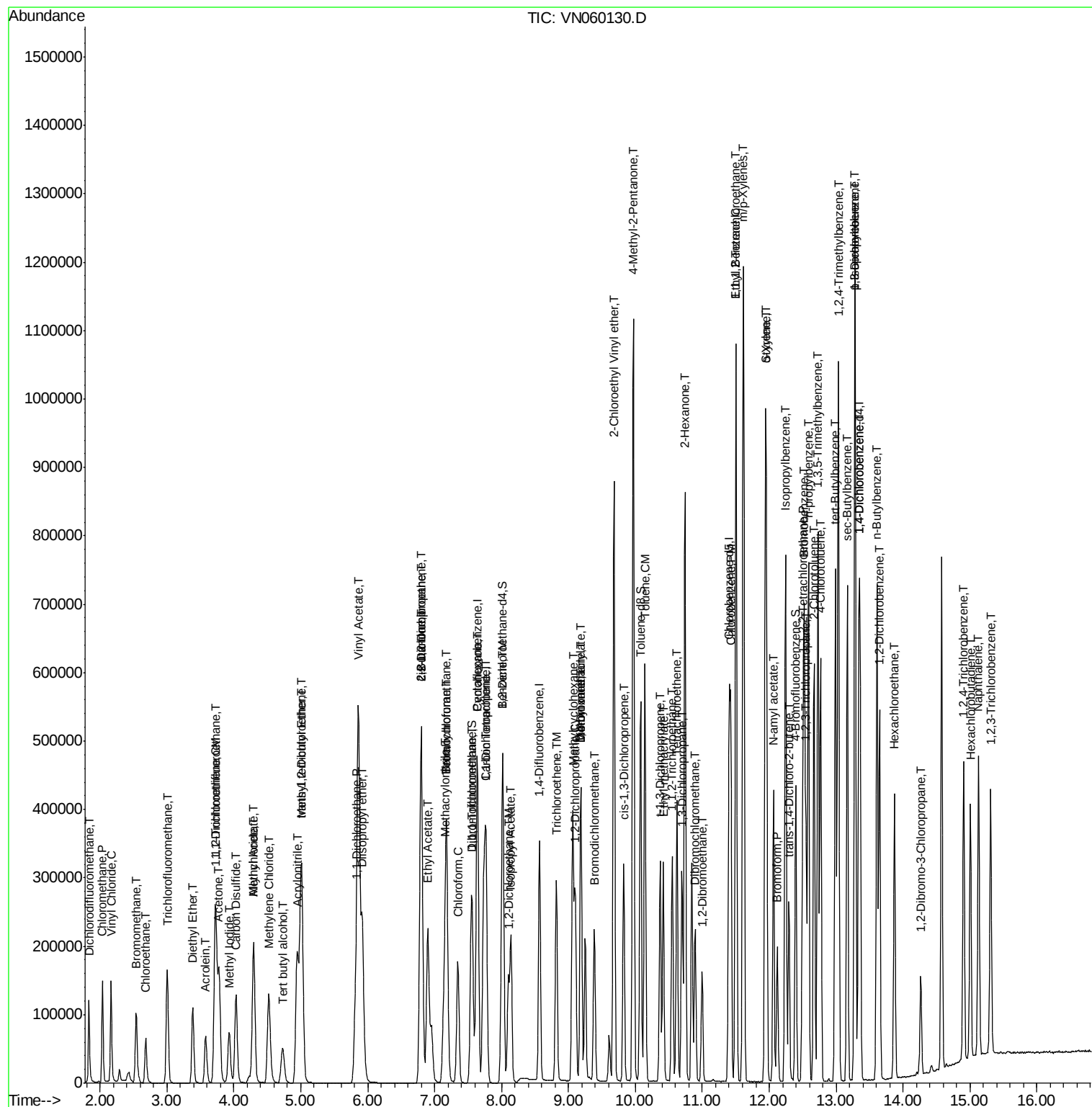
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 Data File : VN060130.D
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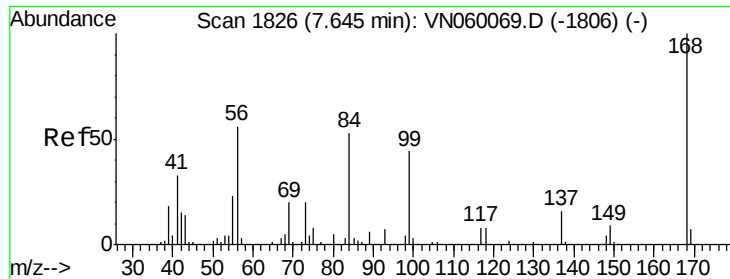
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 186894

Ion Ratio Lower Upper

168 100

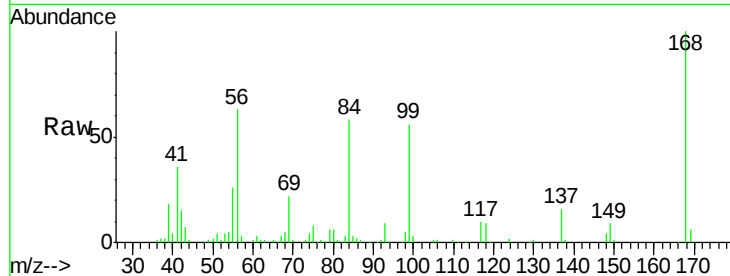
99 55.6 42.7 64.1

Manual Integrations

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2/18/2020 9:27:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

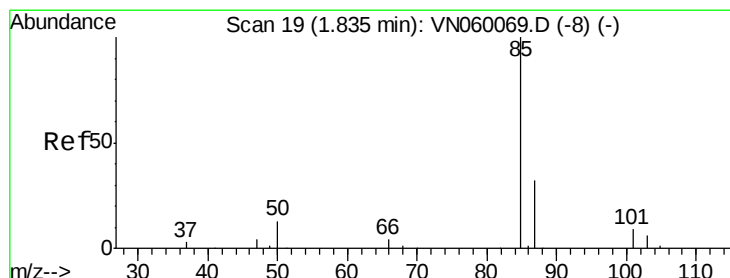
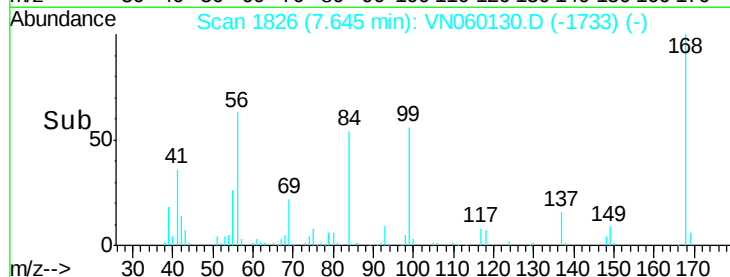
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.826 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060130.D

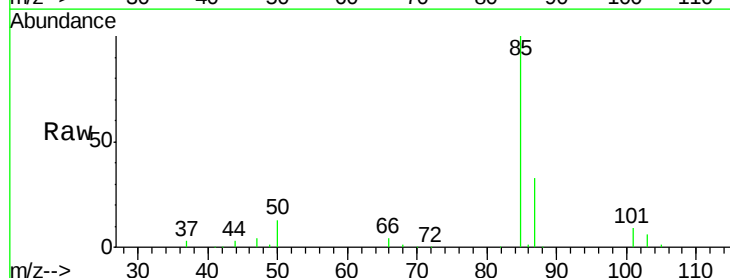
Acq: 17 Feb 2020 19:16

Tgt Ion: 85 Resp: 94948

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

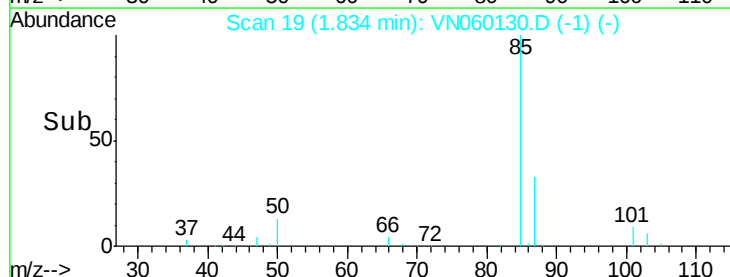
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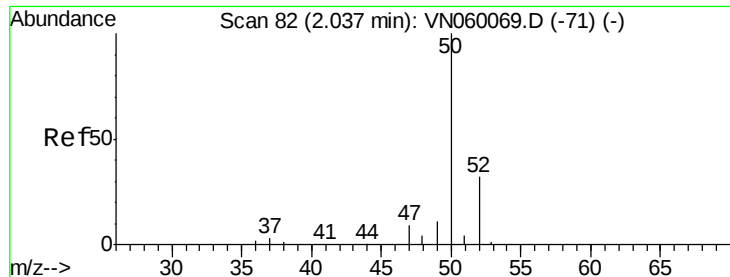
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 53.494 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 118924

Ion Ratio Lower Upper

50 100

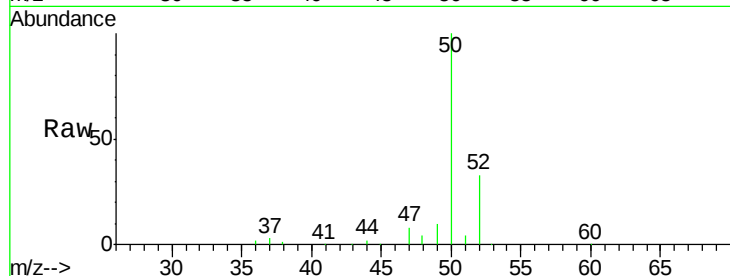
52 32.9 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN060130.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060130.D (-1) (-)

2.04

80000

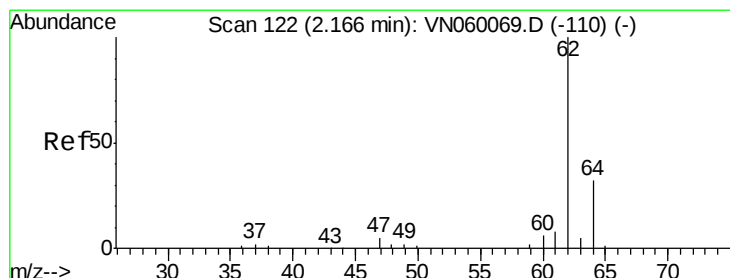
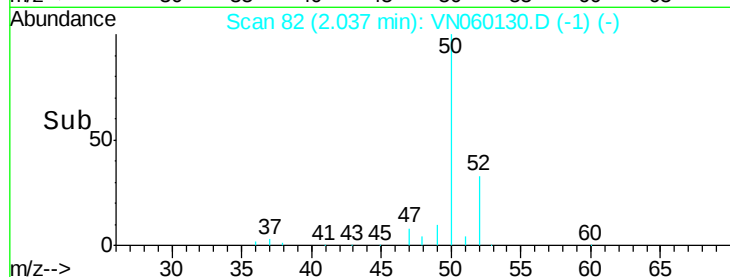
60000

40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 52.777 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060130.D

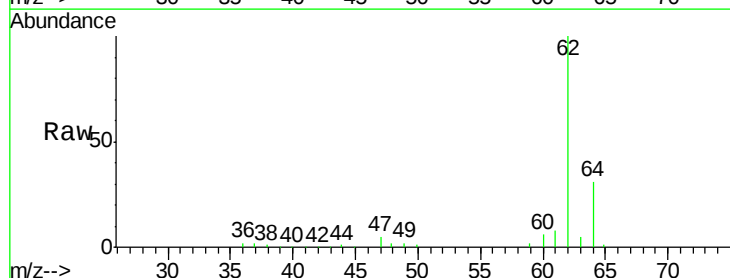
Acq: 17 Feb 2020 19:16

Tgt Ion: 62 Resp: 133736

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN060130.D (-29) (-)

Ion 63.90 (63.60 to 64.60): VN060130.D (-29) (-)

2.17

80000

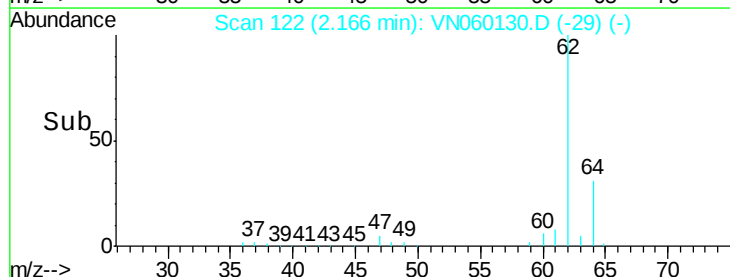
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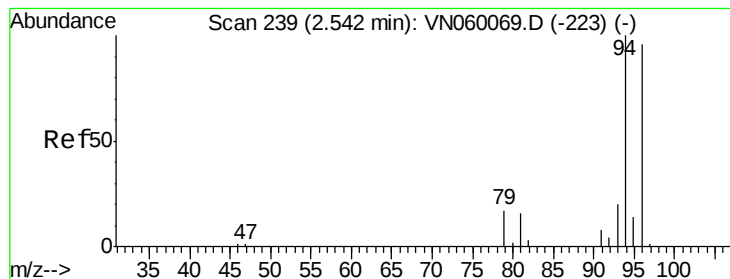
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20000

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Time-->





#5

Bromomethane

Concen: 49.170 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 76400

Ion Ratio Lower Upper

94 100

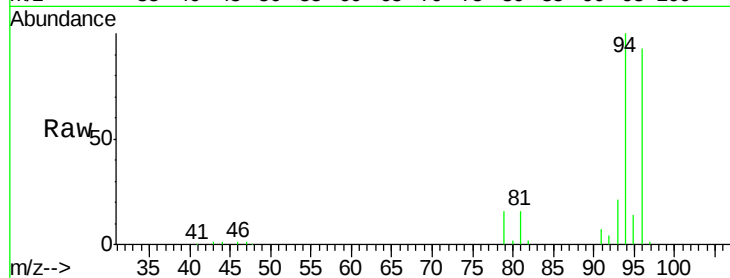
96 93.0 76.7 115.1

Manual Integrations

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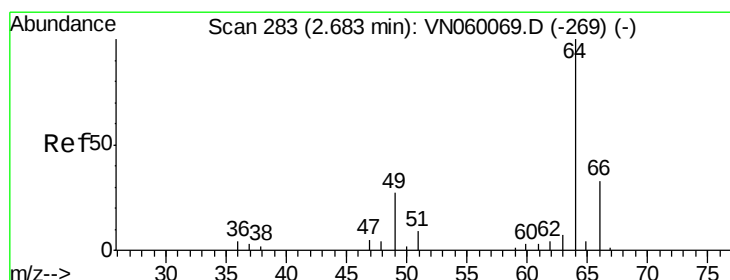
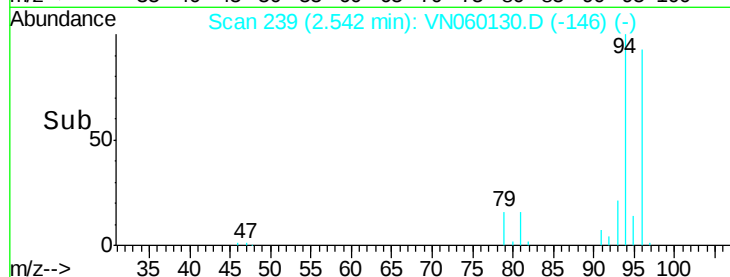
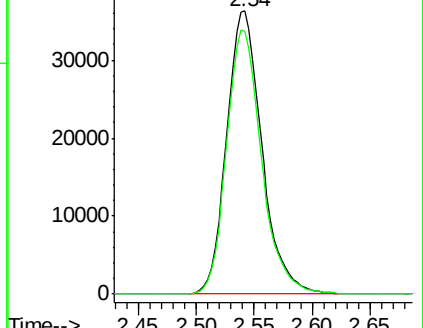
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Abundance Ion 93.90 (93.60 to 94.60): VN060130.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN060130.D (-146) (-)



#6

Chloroethane

Concen: 51.611 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060130.D

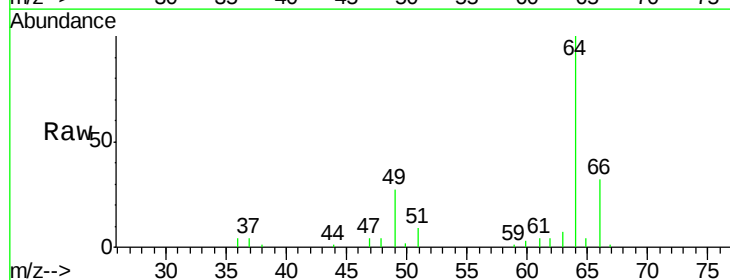
Acq: 17 Feb 2020 19:16

Tgt Ion: 64 Resp: 66149

Ion Ratio Lower Upper

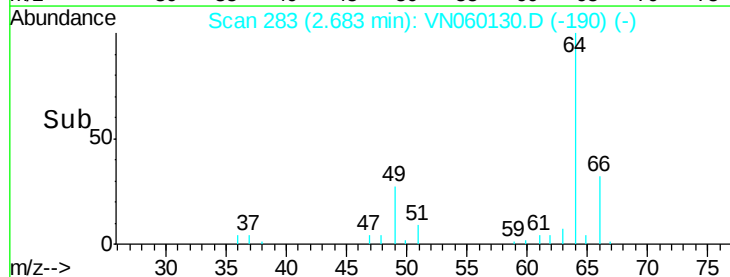
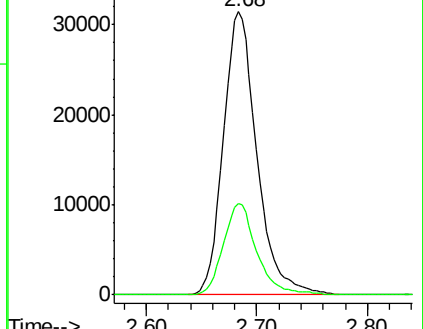
64 100

66 32.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060130.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060130.D (-190) (-)





#7

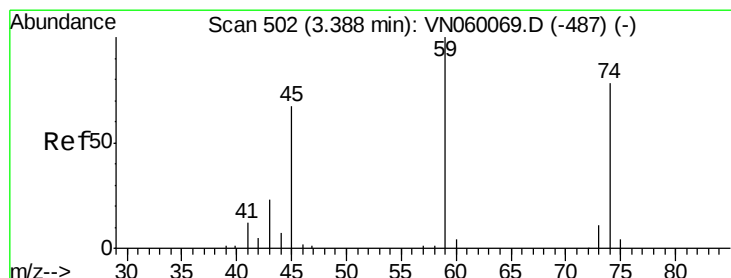
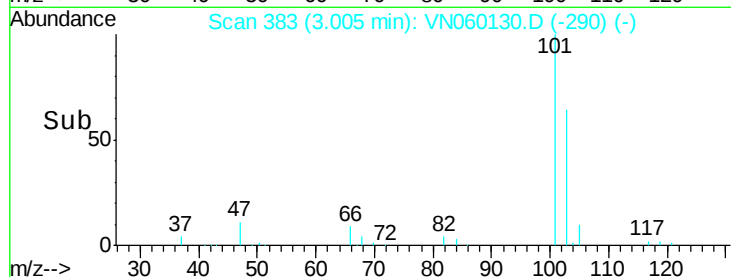
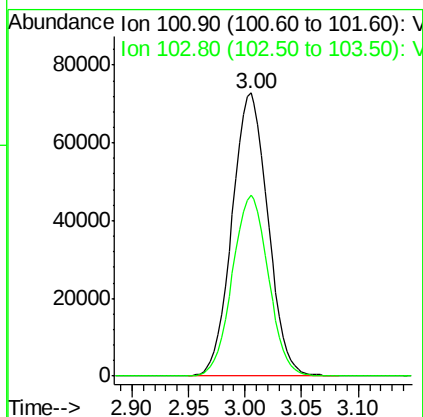
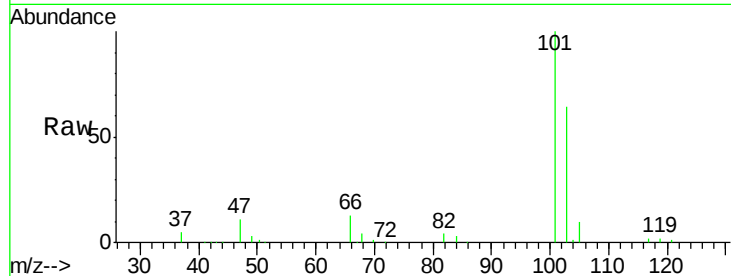
Trichlorofluoromethane
Concen: 49.238 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.6

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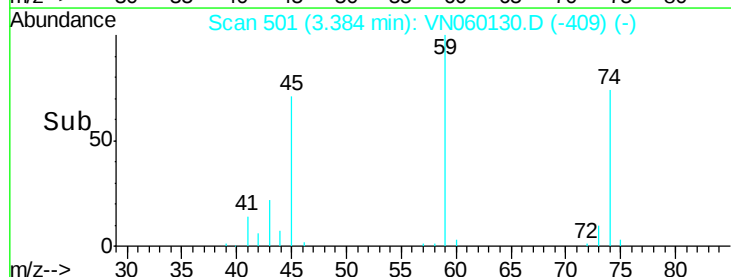
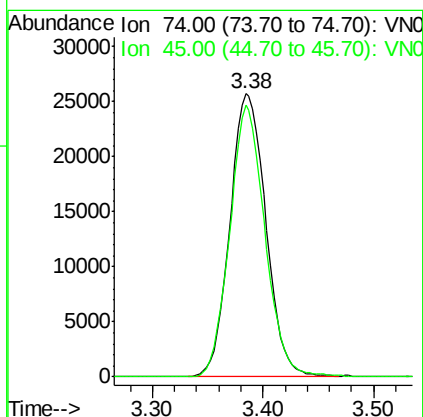
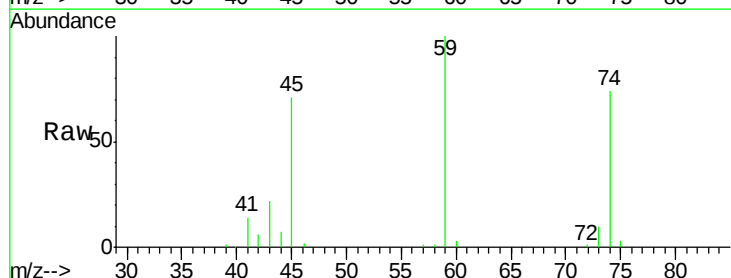
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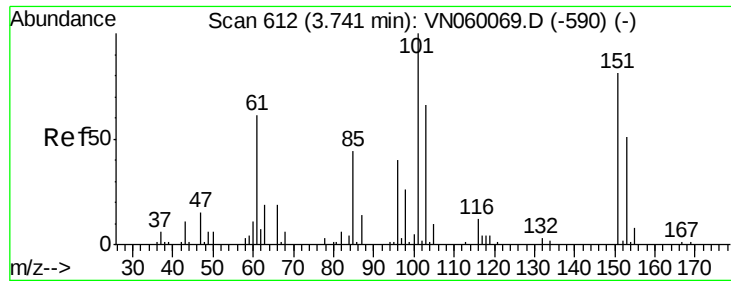


#8

Diethyl Ether
Concen: 53.370 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060130.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	44.7	134.1





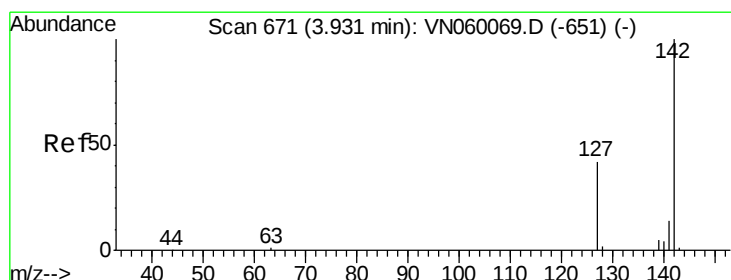
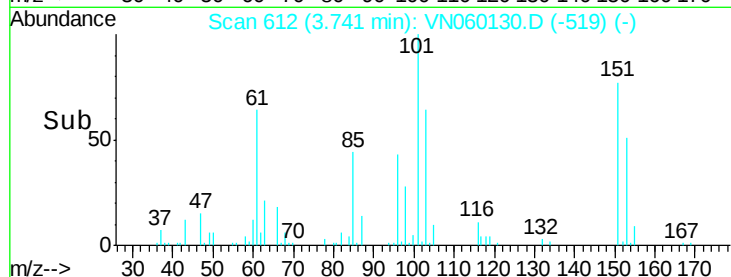
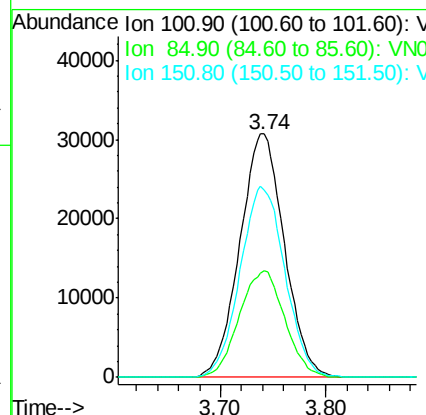
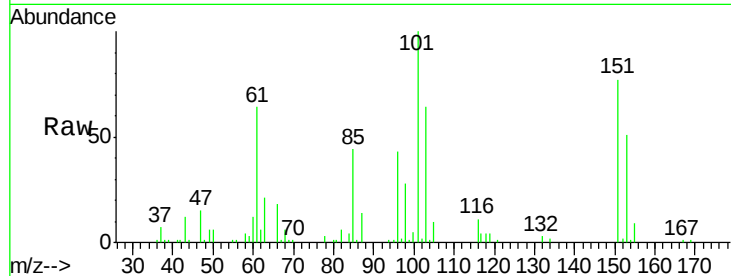
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.643 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.1	52.7
151	78.9	65.8	98.6

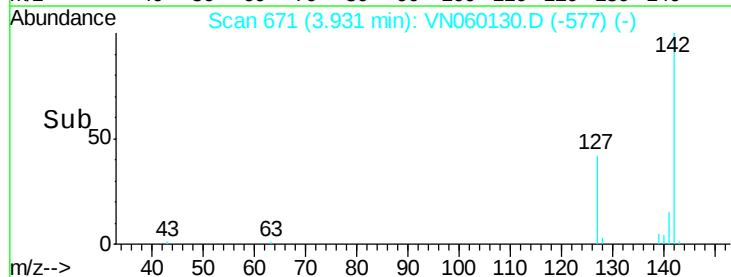
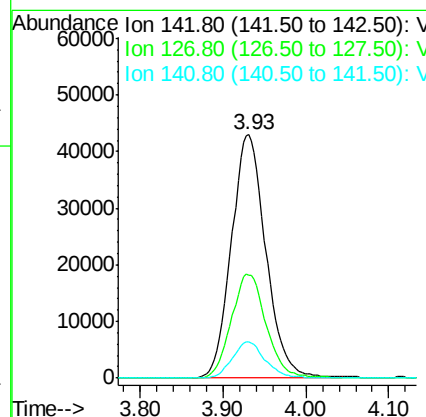
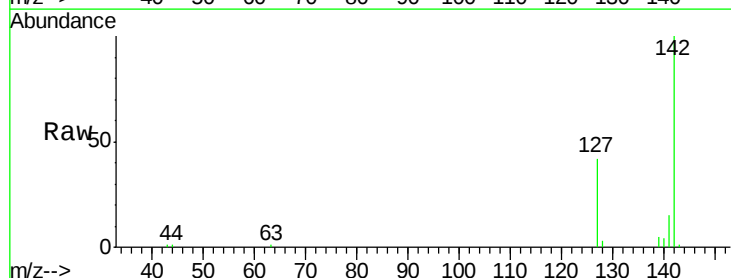
Manual Integrations
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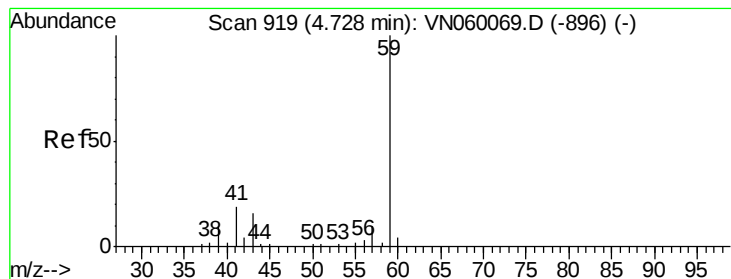
MMDadoda
 2/18/2020 9:27:11 AM



#10
 Methyl Iodide
 Concen: 51.093 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.0	33.6	50.4
141	14.1	11.4	17.2





#11

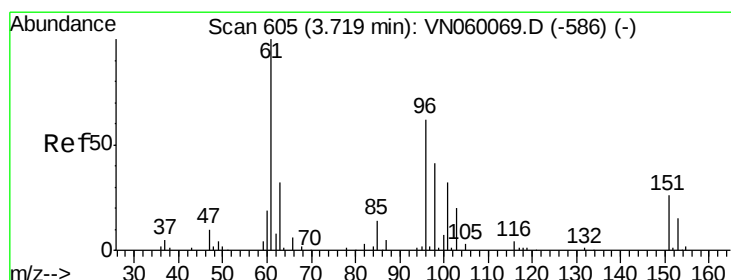
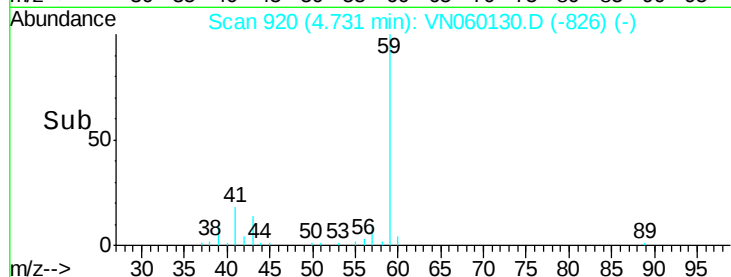
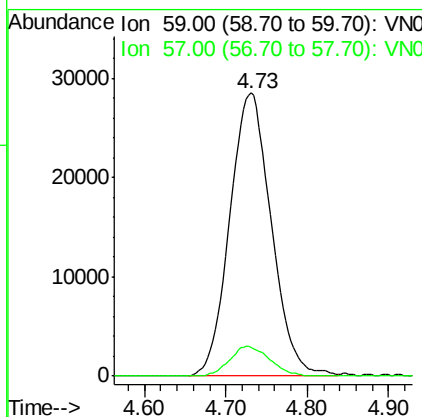
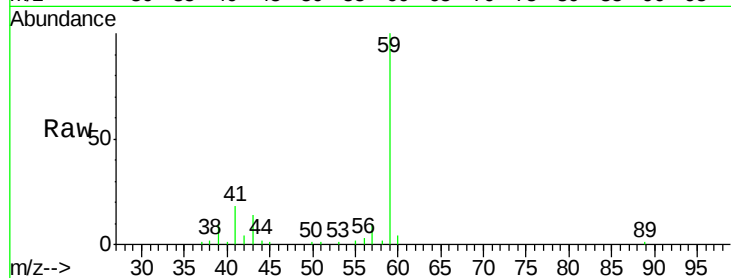
Tert butyl alcohol
Concen: 297.000 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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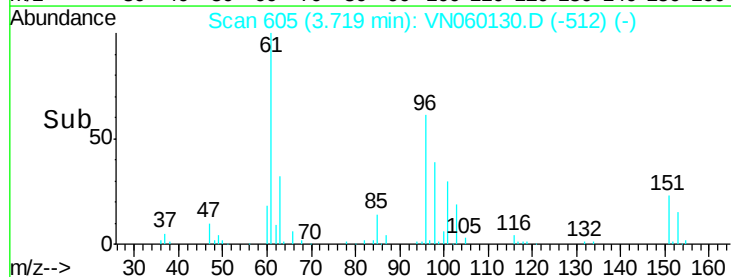
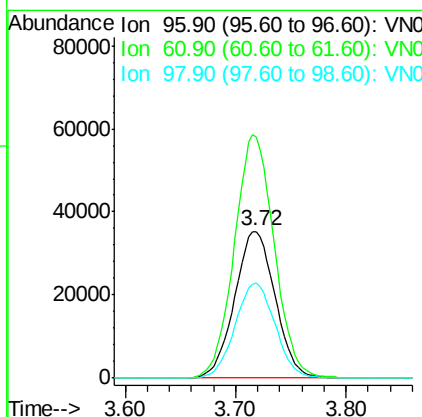
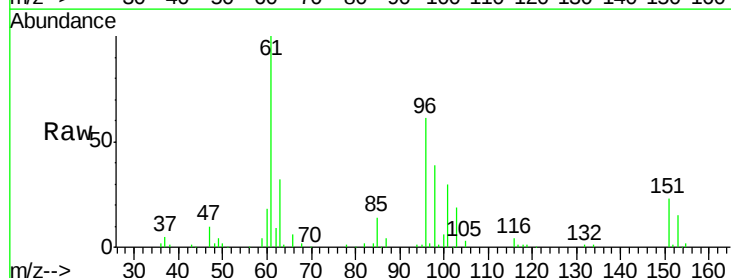
MMDadoda
2/18/2020 9:27:11 AM

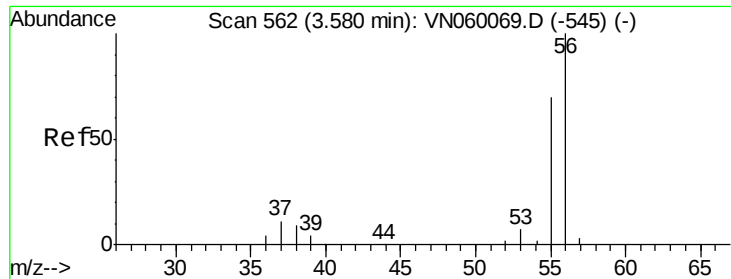


#12

1,1-Dichloroethene
Concen: 50.731 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	128.3	192.5
98	64.7	52.2	78.4





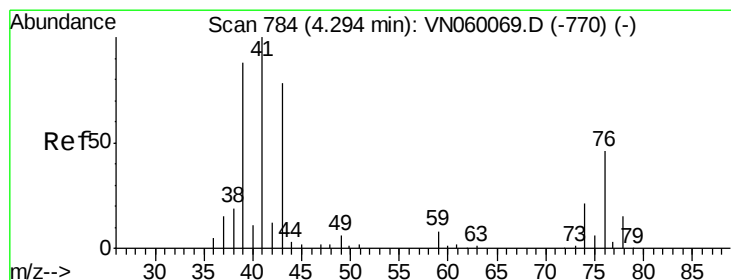
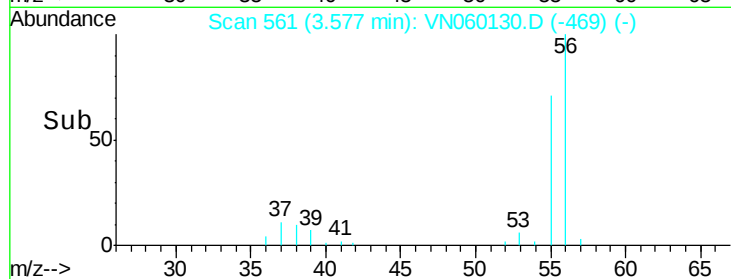
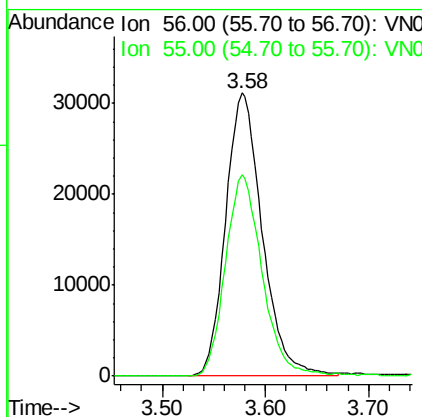
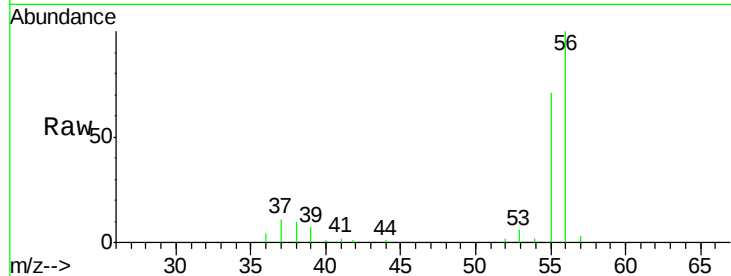
#13
Acrolein
Concen: 229.109 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 77069
Ion Ratio Lower Upper
56 100
55 70.9 54.8 82.2

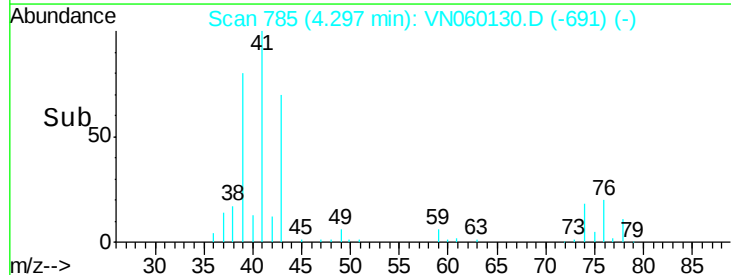
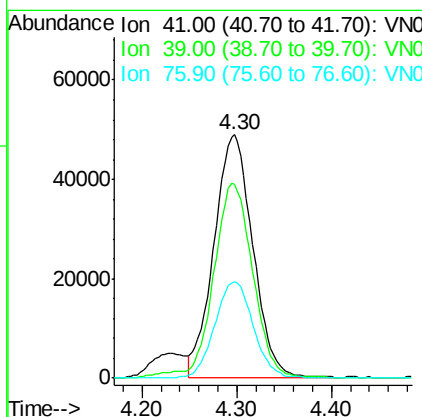
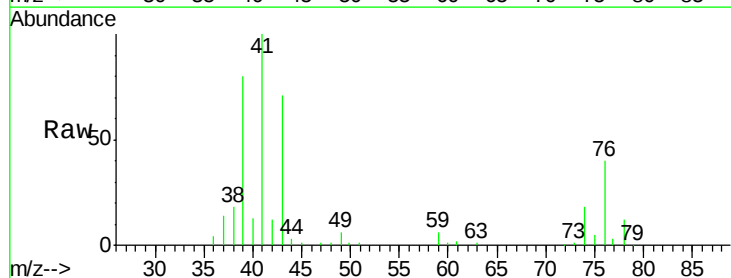
Manual Integrations
APPROVED

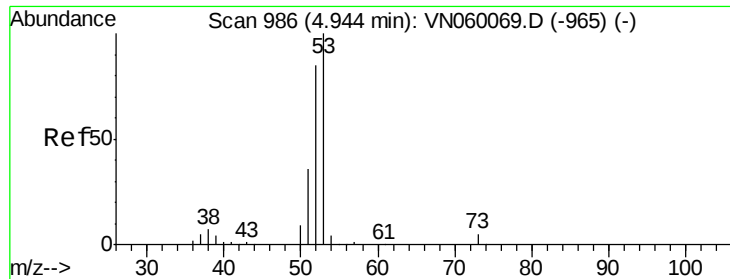
MMDadoda
2/18/2020 9:27:11 AM



#14
Allyl chloride
Concen: 53.536 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion: 41 Resp: 139235
Ion Ratio Lower Upper
41 100
39 81.7 67.8 101.8
76 39.5 33.9 50.9





#15

Acrylonitrile

Concen: 297.703 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

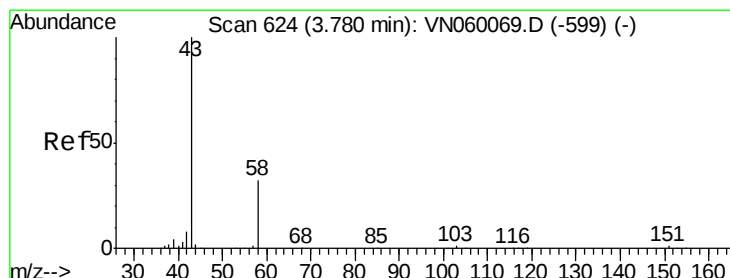
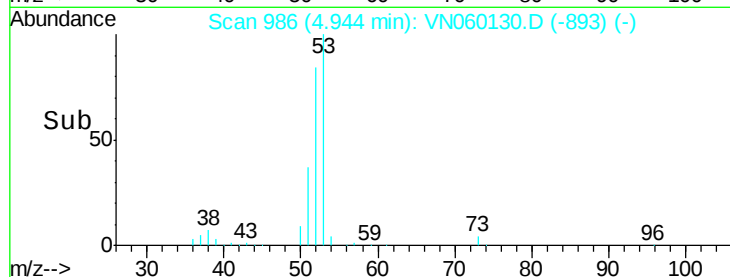
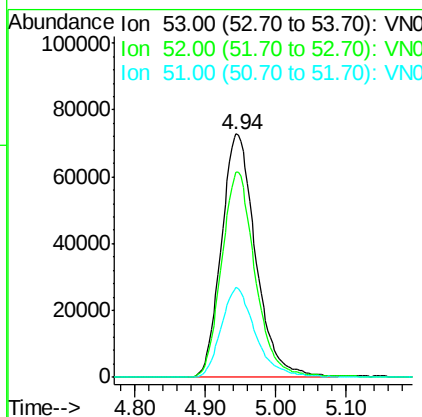
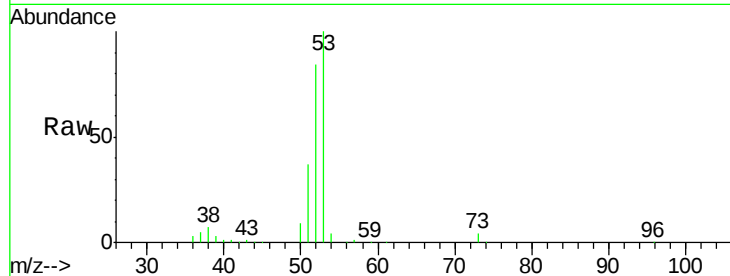
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	247423
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.8	100.2
51	36.9	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 248.136 ug/l

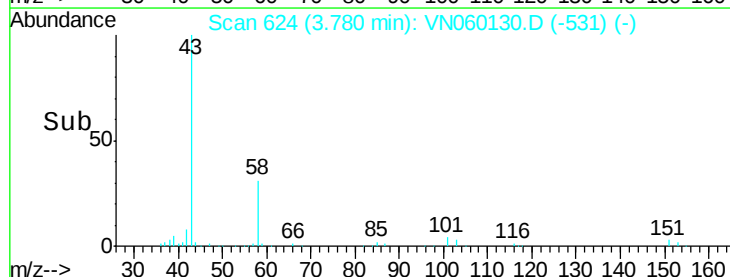
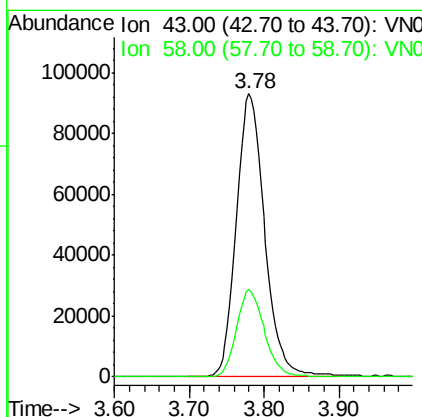
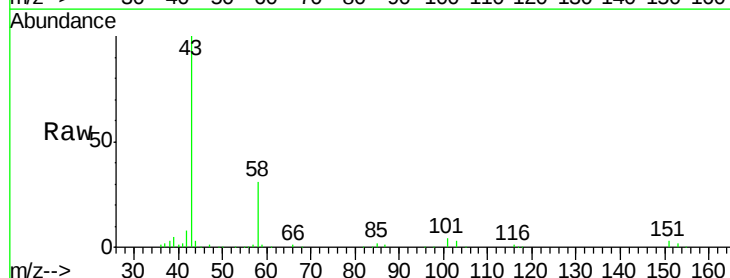
RT: 3.78 min Scan# 624

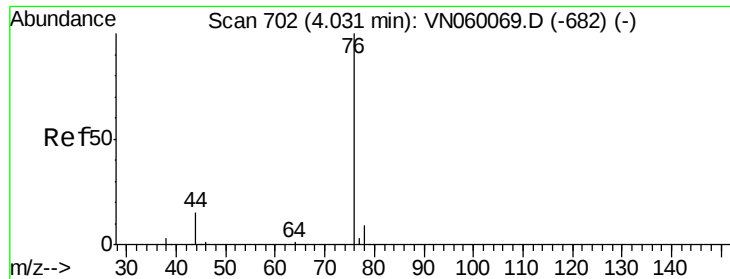
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	43	Resp:	246148
Ion Ratio	Lower	Upper	
43	100		
58	30.8	25.2	37.8





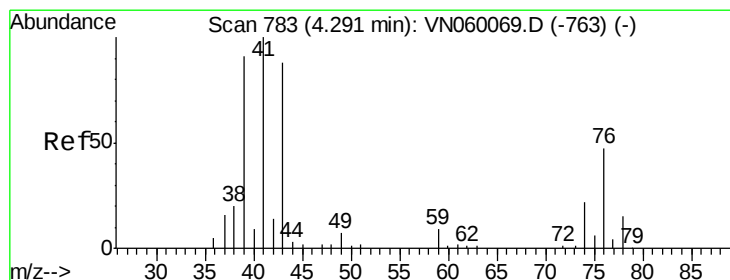
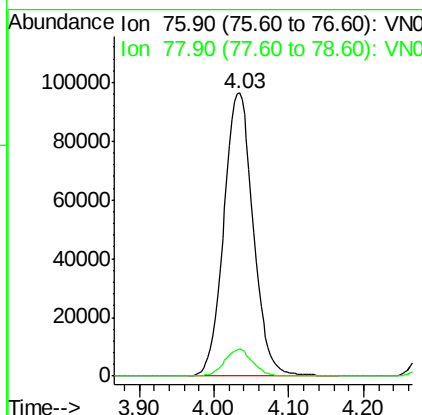
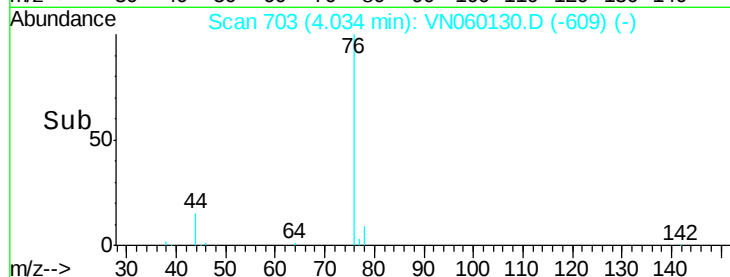
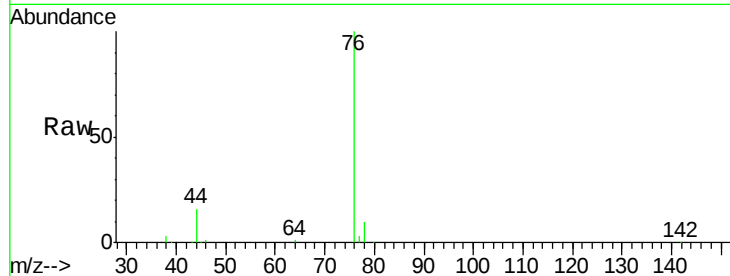
#17
Carbon Disulfide
Concen: 49.350 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 262843
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

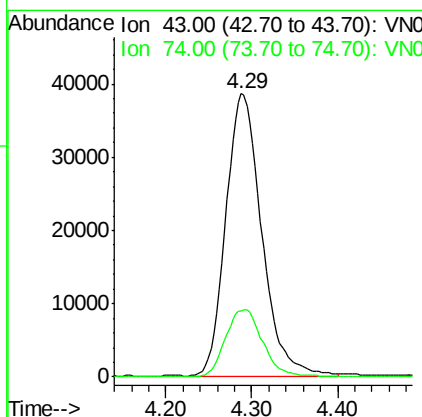
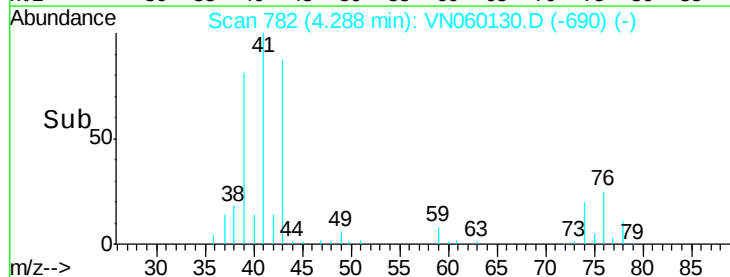
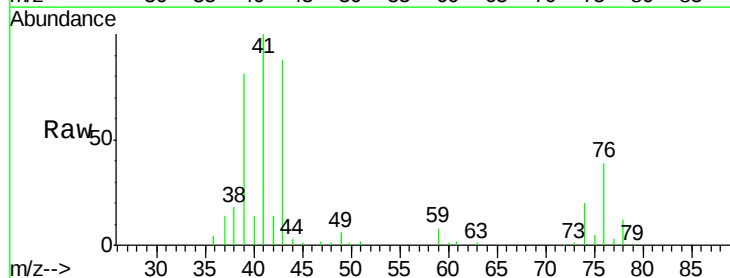
Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:27:11 AM



#18
Methyl Acetate
Concen: 60.518 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion: 43 Resp: 112772
Ion Ratio Lower Upper
43 100
74 24.3 20.3 30.5





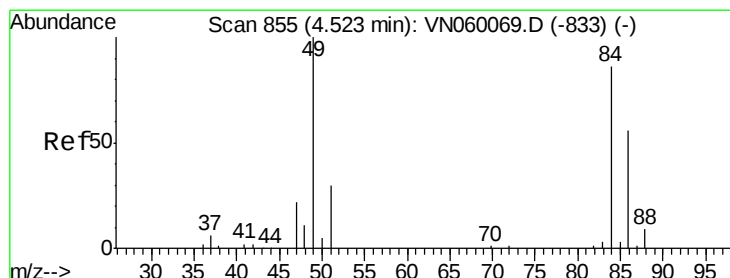
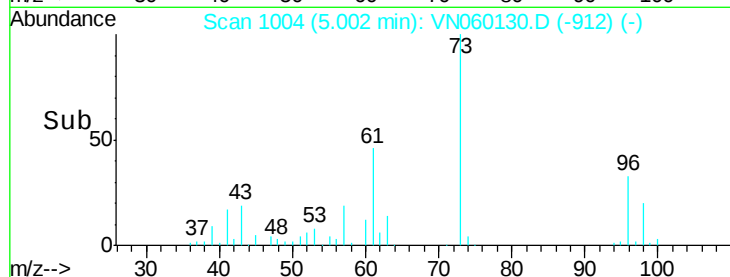
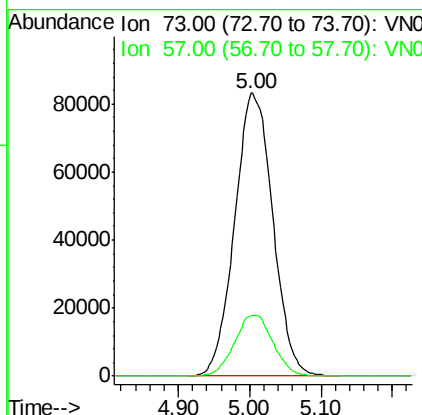
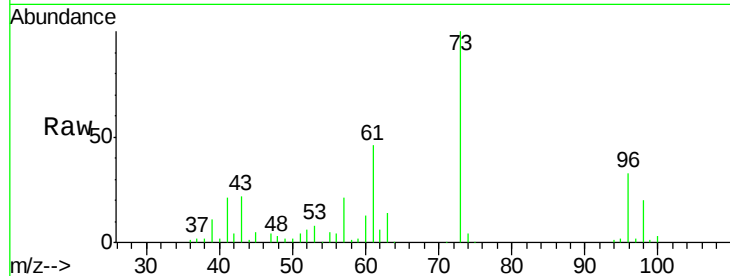
#19
Methvl tert-butvl Ether
Concen: 52.150 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 309895
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8

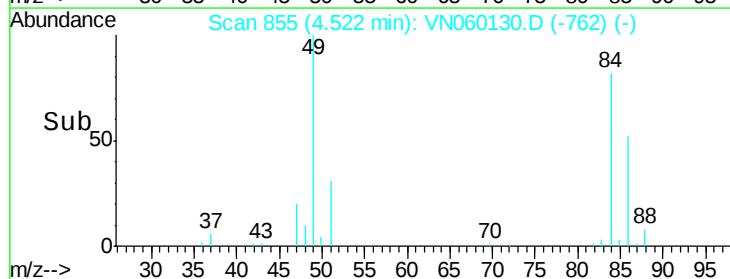
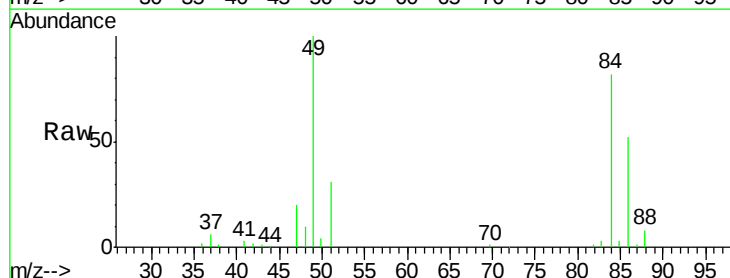
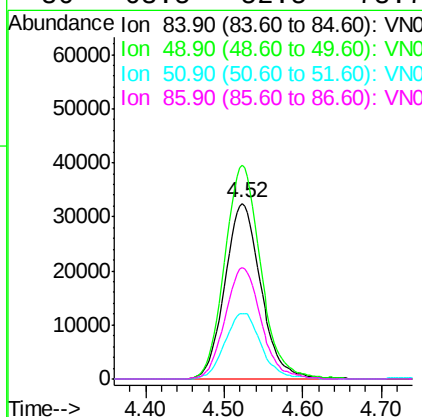
Manual Integrations
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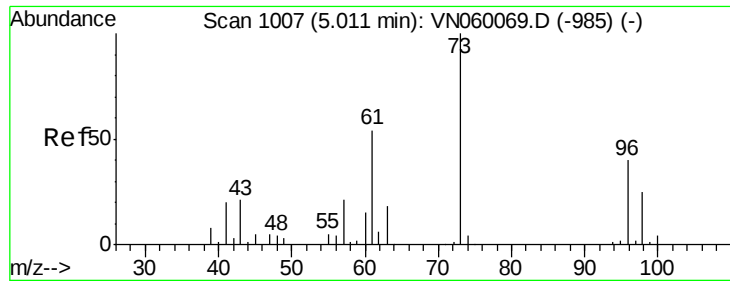
MMDadoda
2/18/2020 9:27:11 AM



#20
Methylene Chloride
Concen: 52.109 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion: 84 Resp: 103129
Ion Ratio Lower Upper
84 100
49 121.5 93.4 140.0
51 37.3 28.4 42.6
86 63.5 52.5 78.7





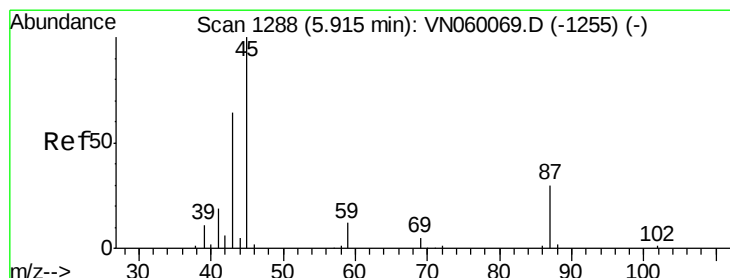
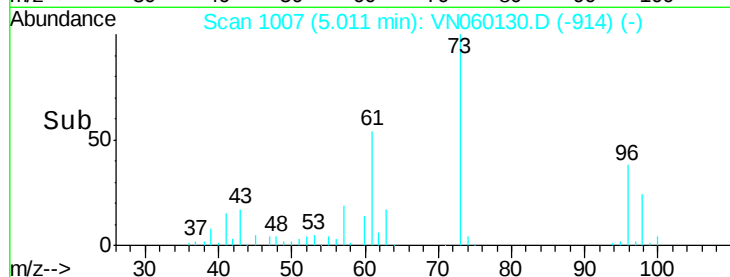
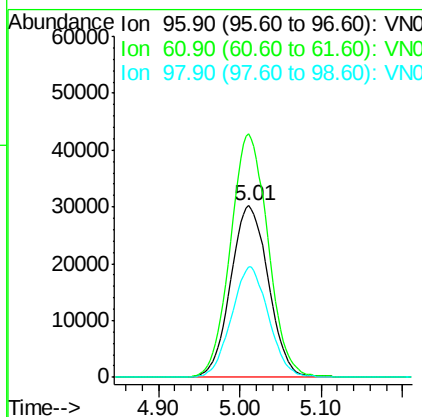
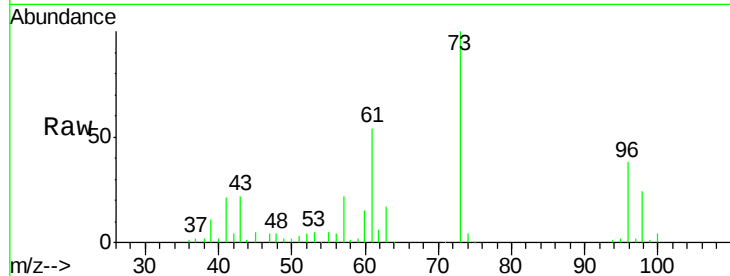
#21
trans-1,2-Dichloroethene
Concen: 50.639 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	109.3	163.9
98	64.4	51.0	76.6

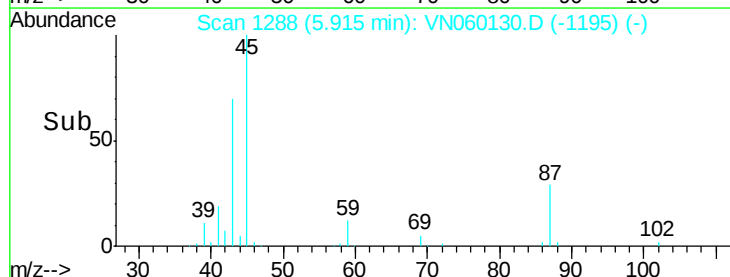
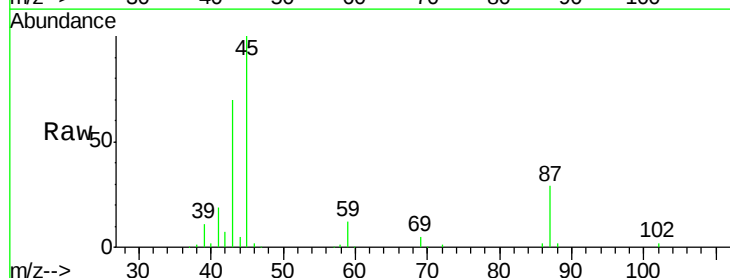
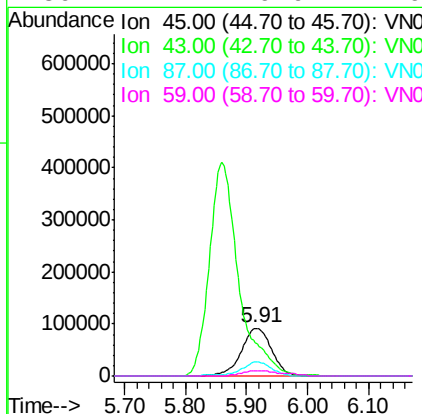
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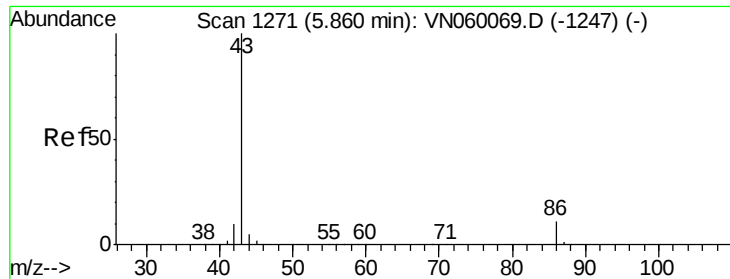
MMDadoda
2/18/2020 9:27:11 AM



#22
Diisopropyl ether
Concen: 55.520 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	55.9	83.9
87	28.8	24.5	36.7
59	11.7	9.9	14.9





#23

Vinyl Acetate

Concen: 287.478 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1376025

Ion Ratio Lower Upper

43 100

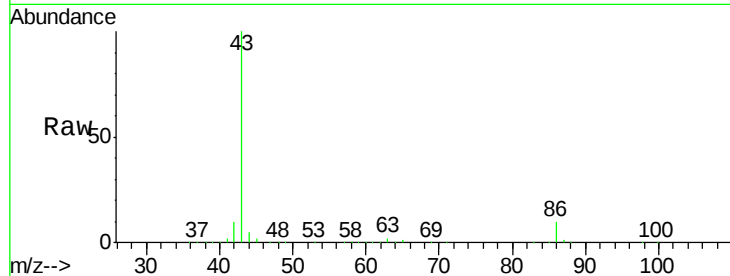
86 10.0 8.9 13.3

Manual Integrations

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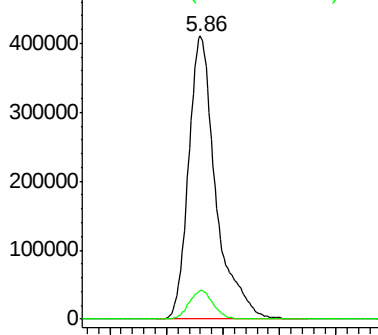
MMDadoda

2/18/2020 9:27:11 AM

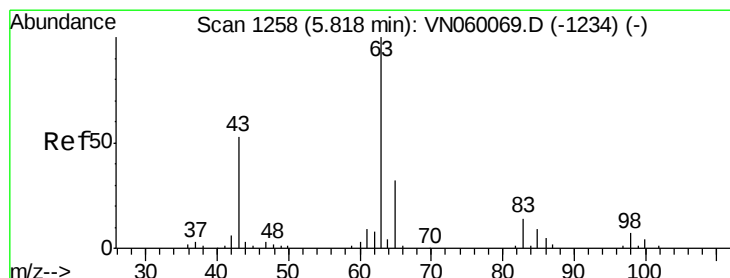
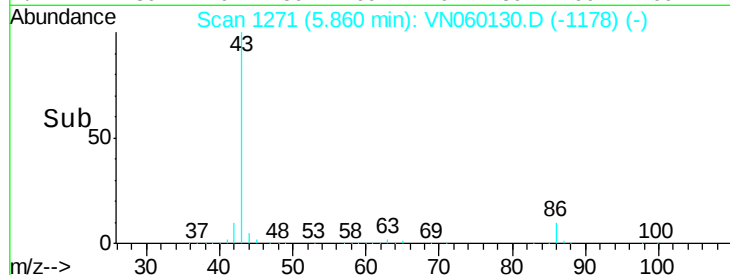


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 53.132 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

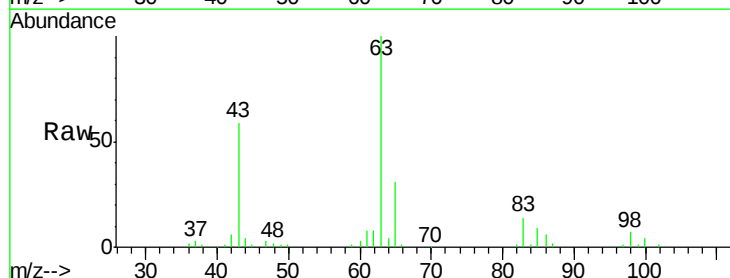
Tgt Ion: 63 Resp: 183458

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

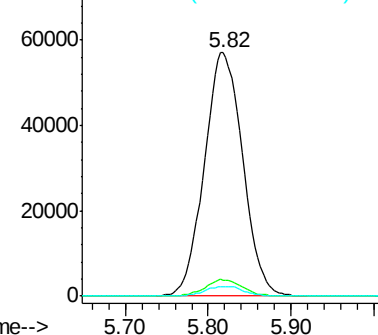
100 4.0 2.2 6.6



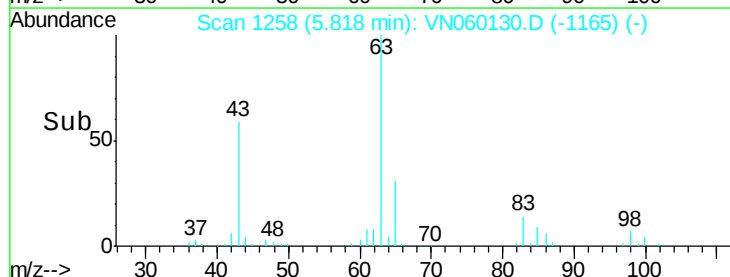
Abundance Ion 62.90 (62.60 to 63.60): VN0

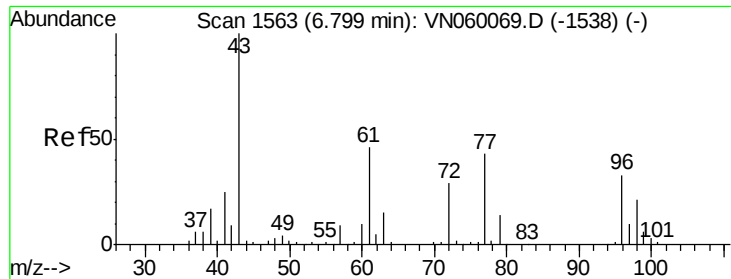
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 283.868 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 354153

Ion Ratio Lower Upper

43 100

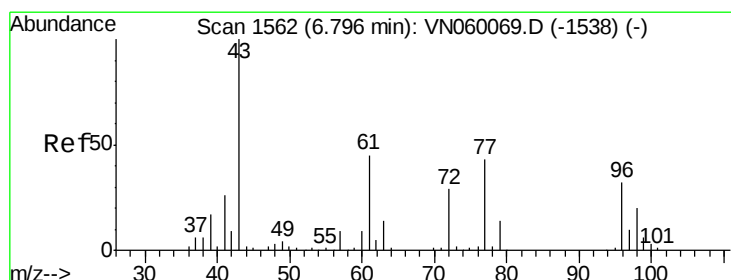
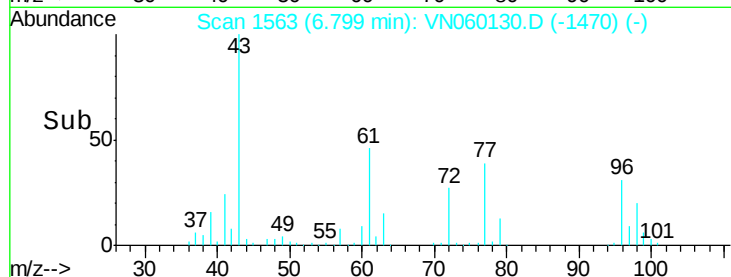
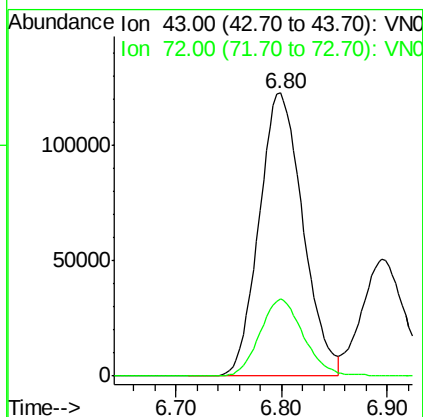
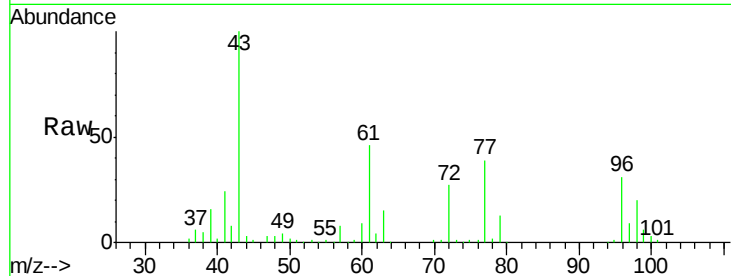
72 27.3 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.319 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060130.D

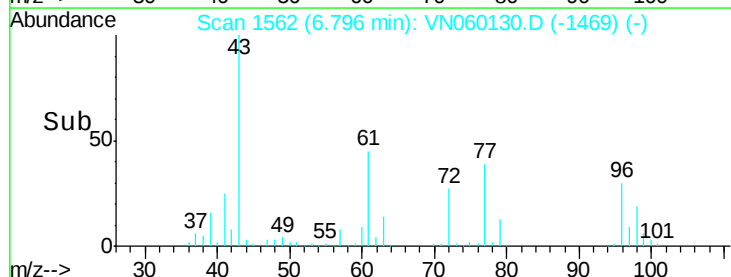
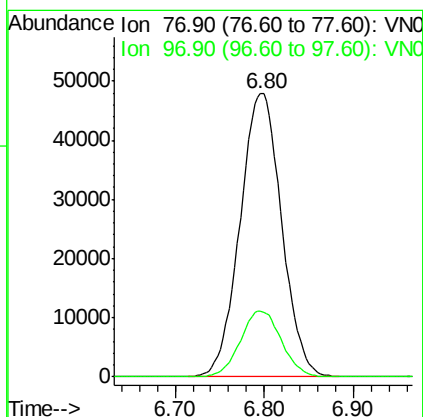
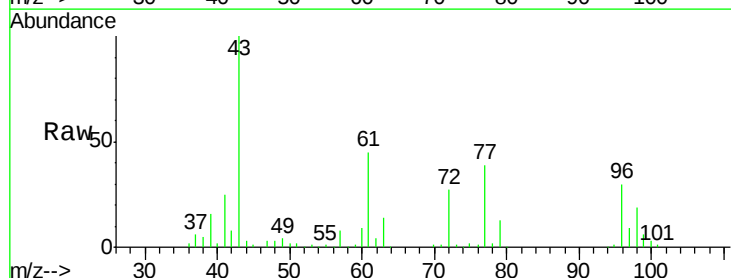
Acq: 17 Feb 2020 19:16

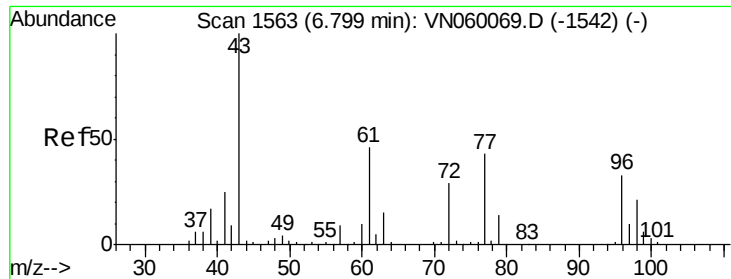
Tgt Ion: 77 Resp: 155188

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.182 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

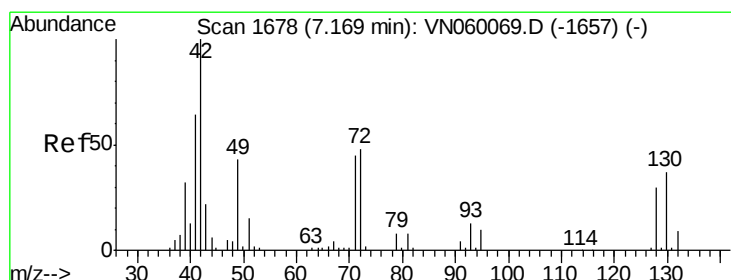
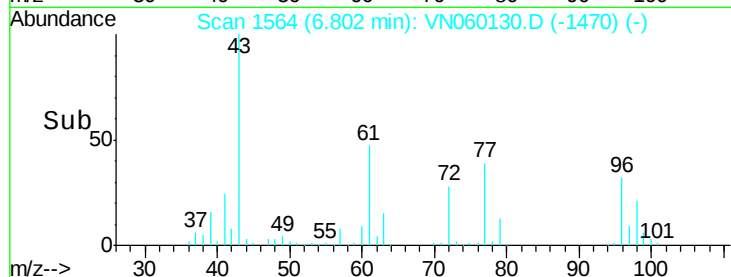
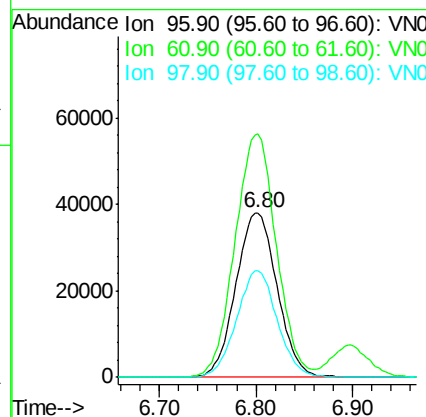
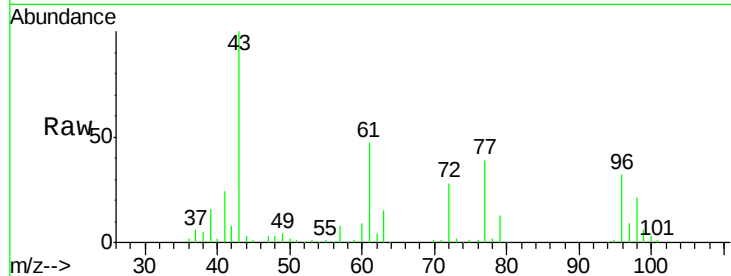
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	113121
Ion Ratio	Lower	Upper	
96	100		
61	147.9	0.0	285.8
98	63.8	0.0	129.6

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#28

Bromochloromethane

Concen: 56.953 ug/l

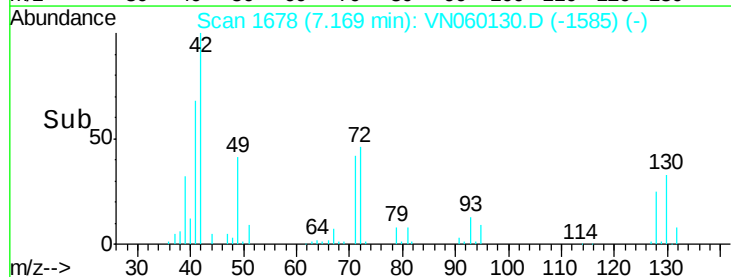
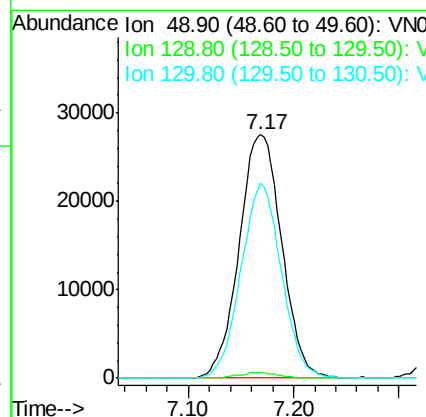
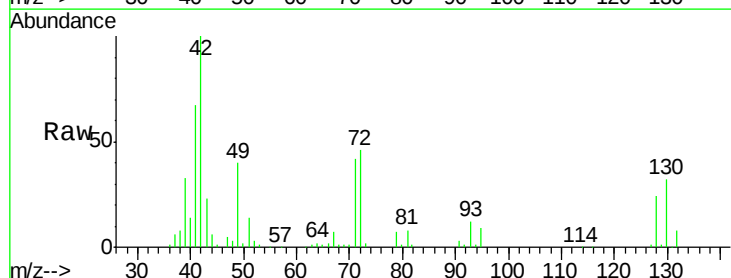
RT: 7.17 min Scan# 1678

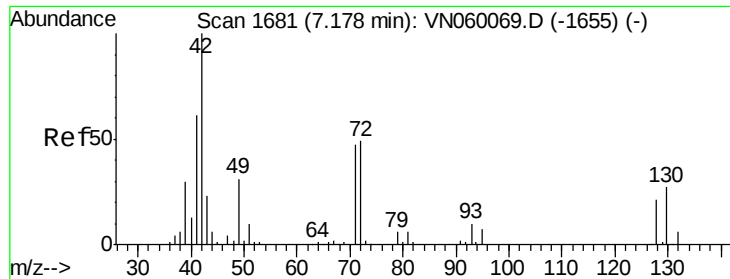
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	49	Resp:	77311
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.2
130	76.0	66.8	100.2





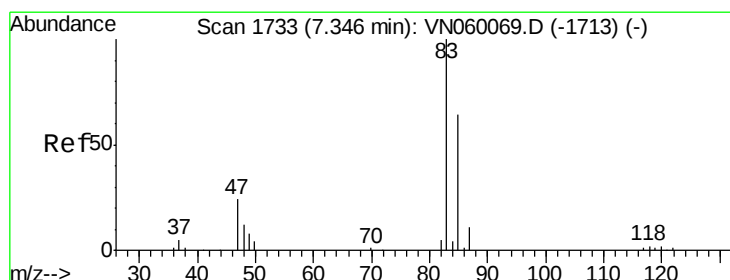
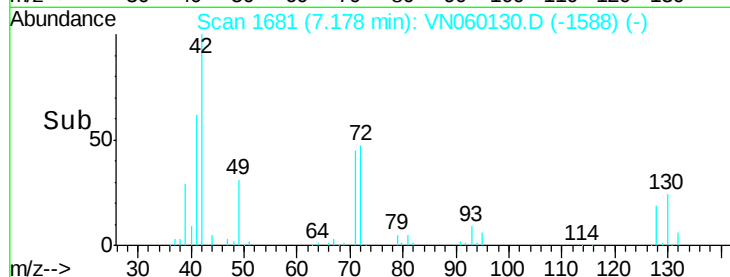
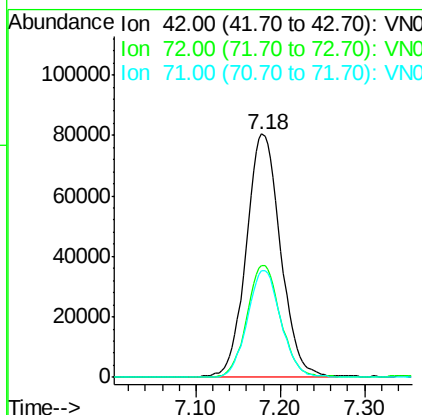
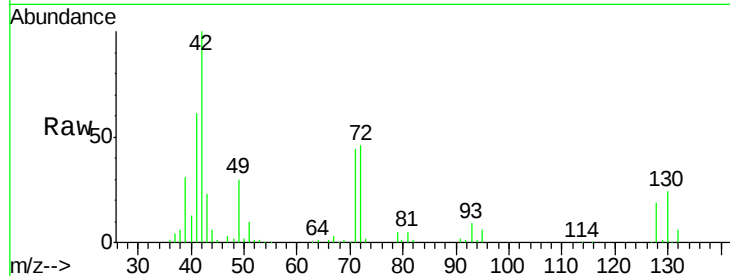
#29
Tetrahydrofuran
Concen: 297.954 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	38.2	57.4
71	42.9	36.6	54.8

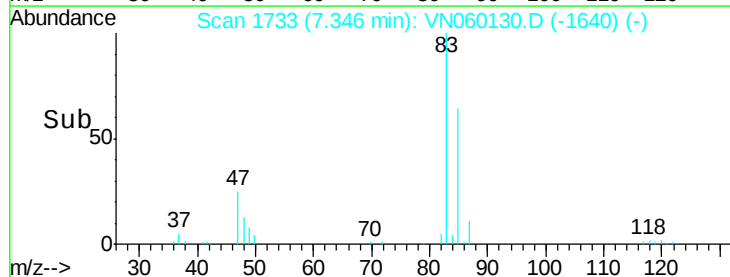
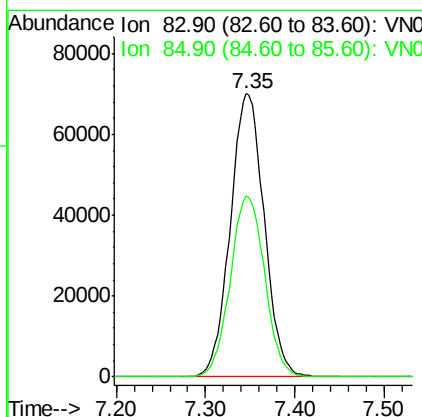
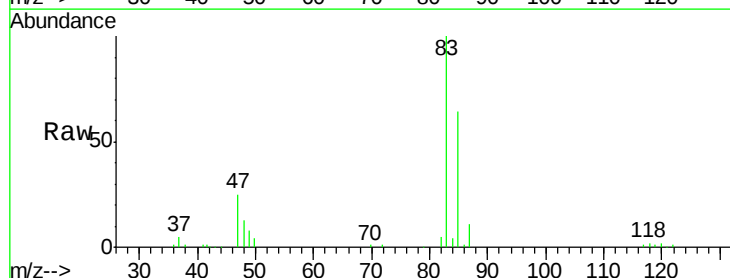
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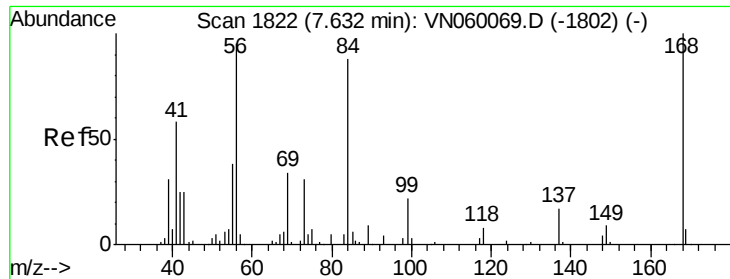
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#30
Chloroform
Concen: 51.060 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.0





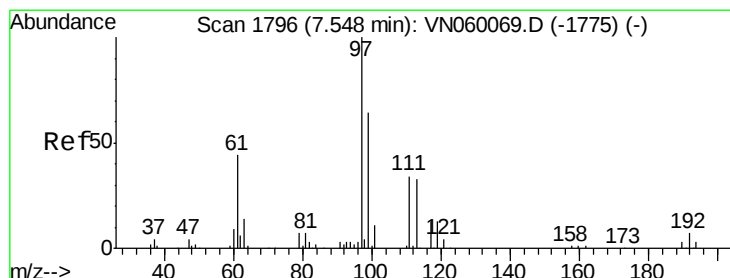
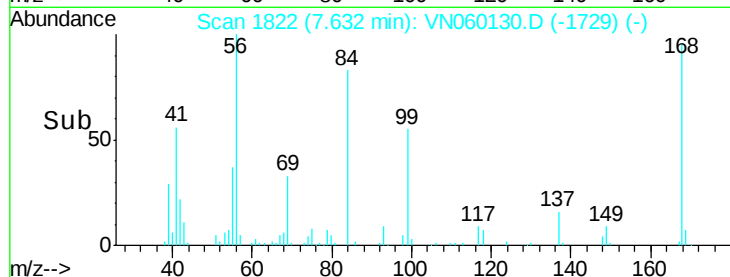
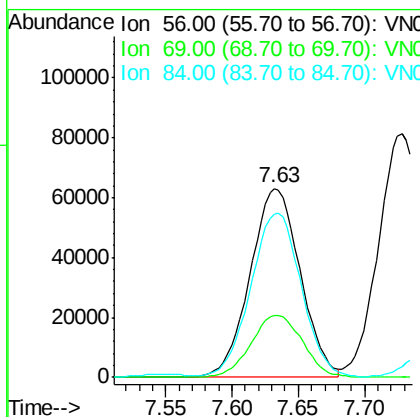
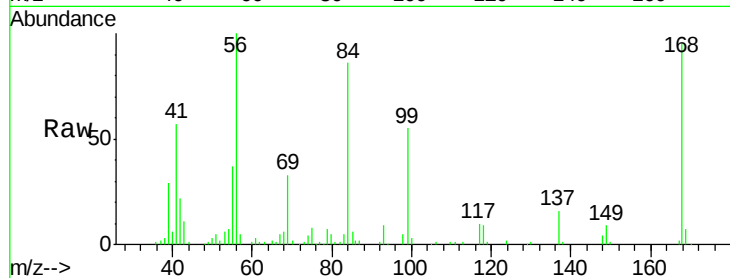
#31
Cyclohexane
Concen: 51.792 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	28.3	42.5
84	85.1	72.6	108.8

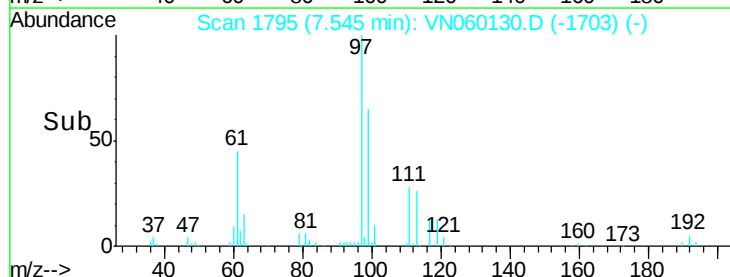
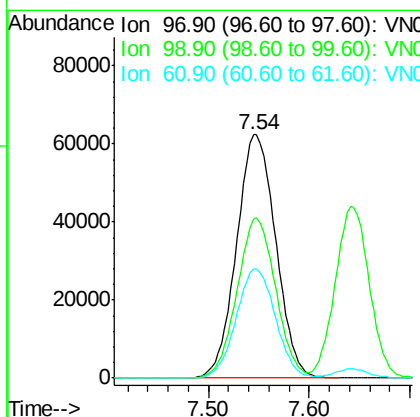
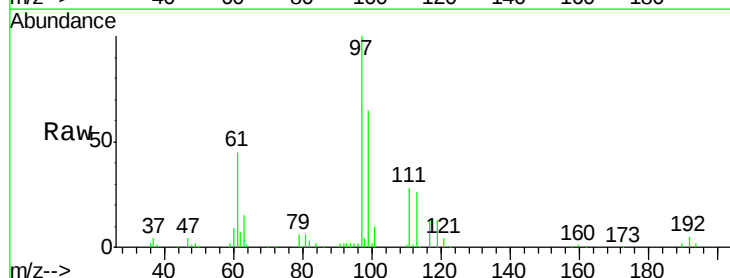
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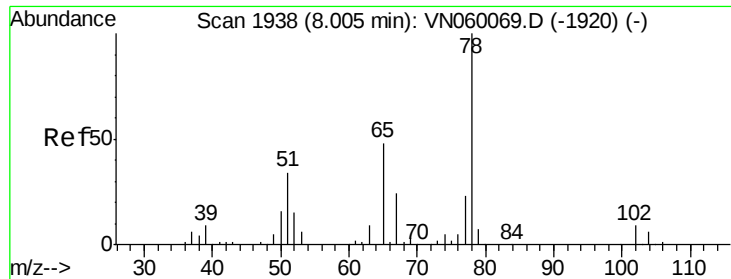
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#32
1,1,1-Trichloroethane
Concen: 50.881 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	45.0	34.9	52.3





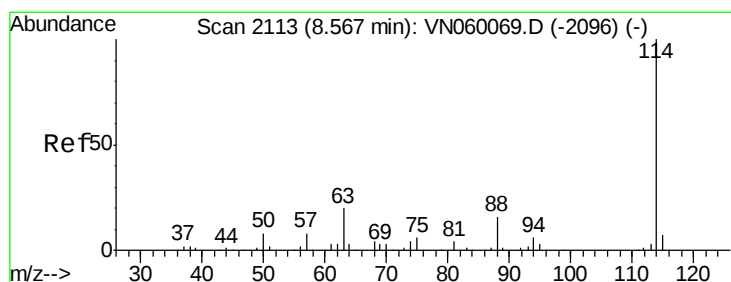
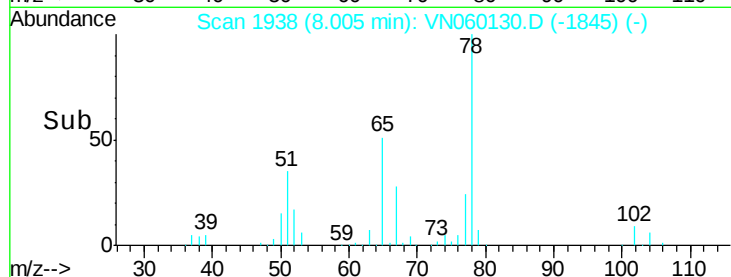
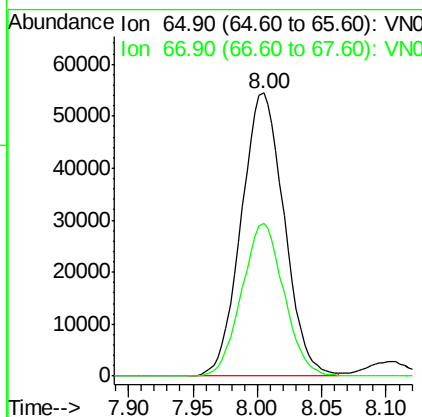
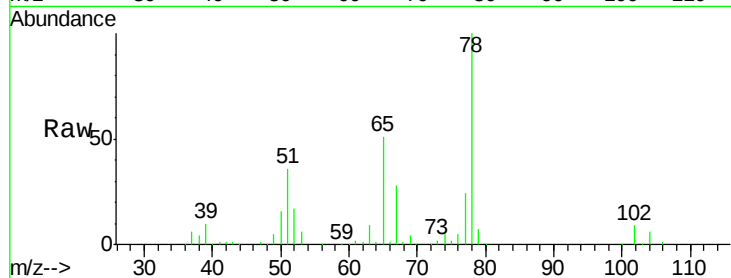
#33
 1,2-Dichloroethane-d4
 Concen: 55.620 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126490		
67	53.0	0.0	0.0	104.0

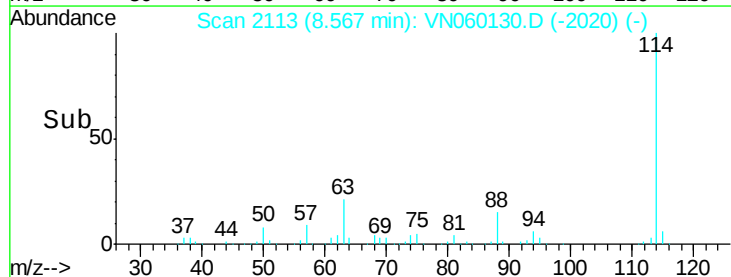
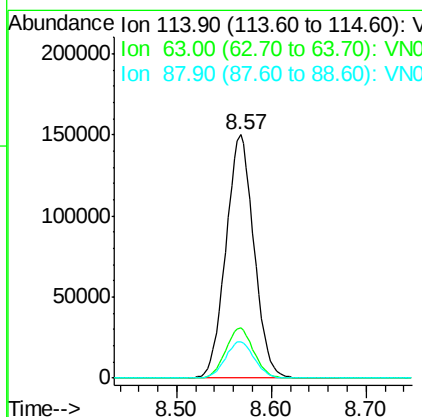
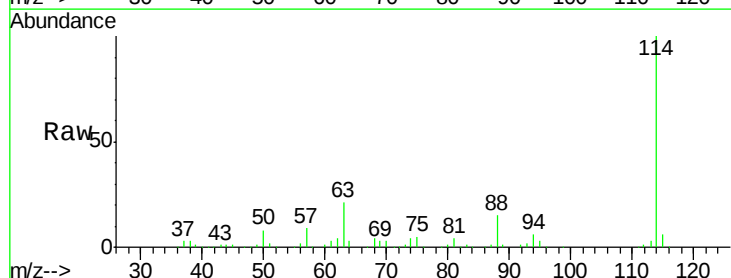
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	307837		
63	20.7	0.0	0.0	40.0
88	15.0	0.0	0.0	31.6





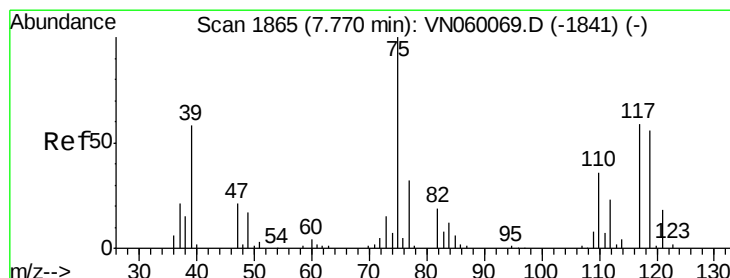
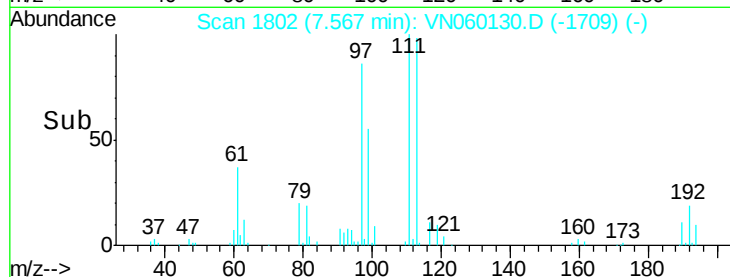
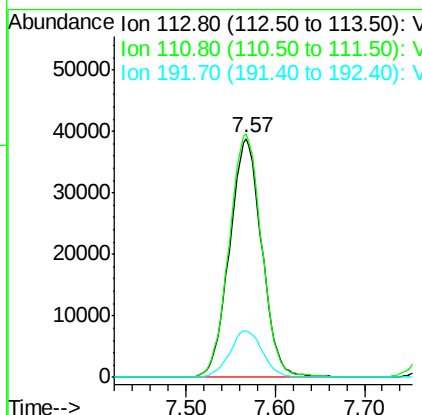
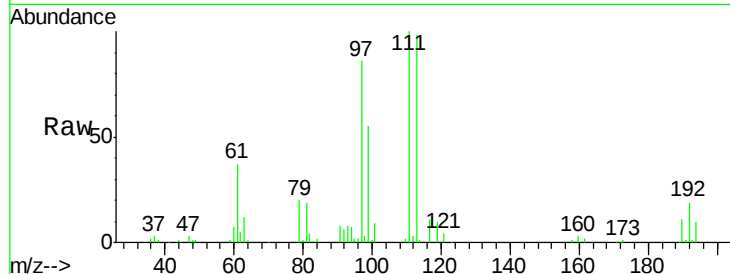
#35
 Dibromofluoromethane
 Concen: 51.471 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	19.6	16.2	24.2

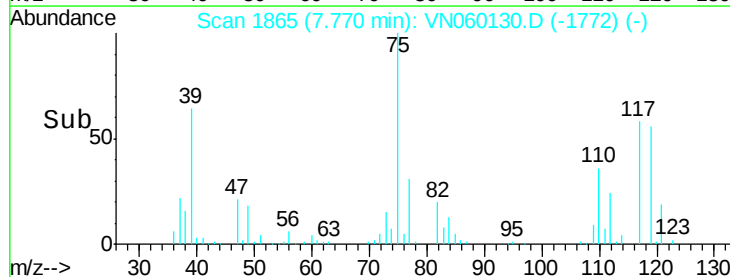
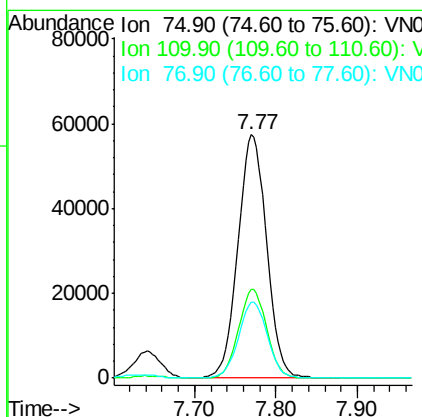
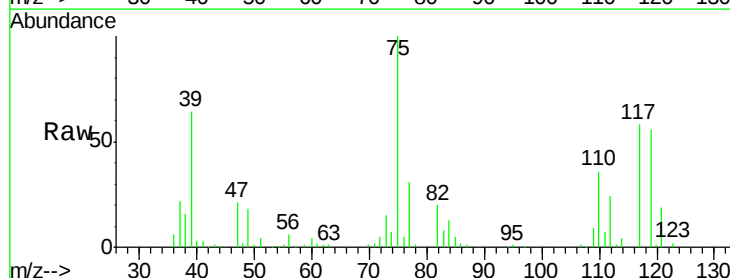
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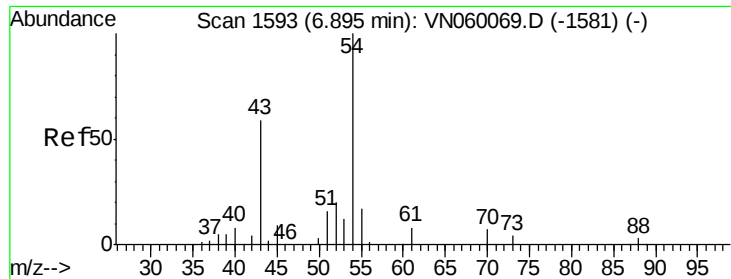
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#36
 1,1-Dichloropropene
 Concen: 48.951 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.3
77	31.4	25.1	37.7





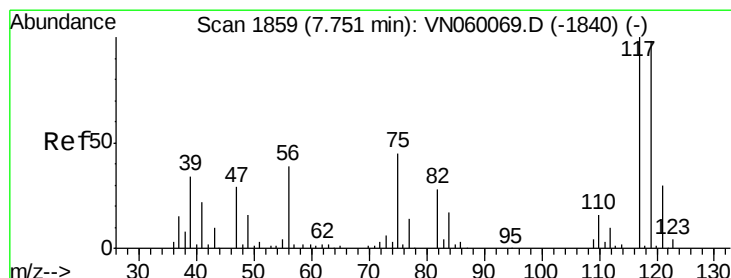
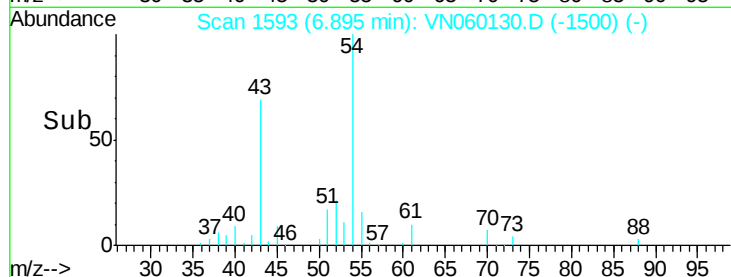
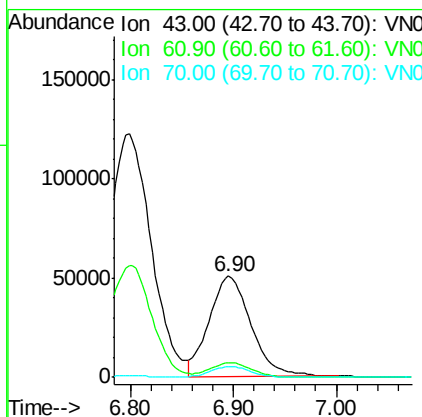
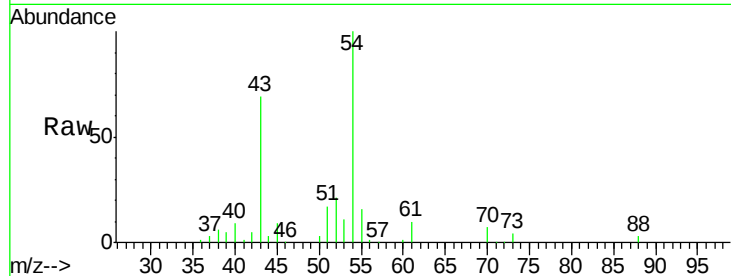
#37
Ethyl Acetate
Concen: 55.582 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	10.2	8.7	13.1

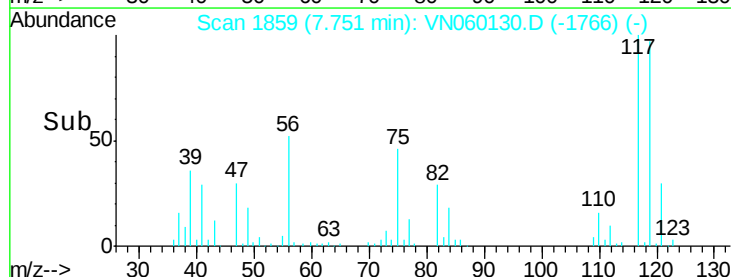
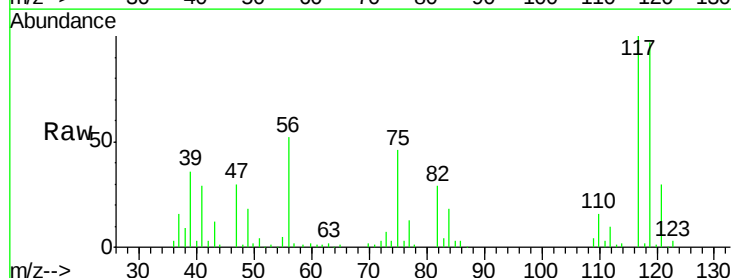
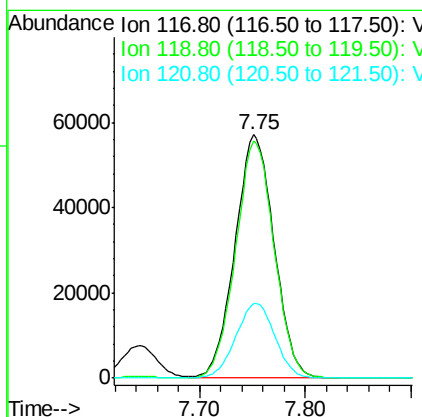
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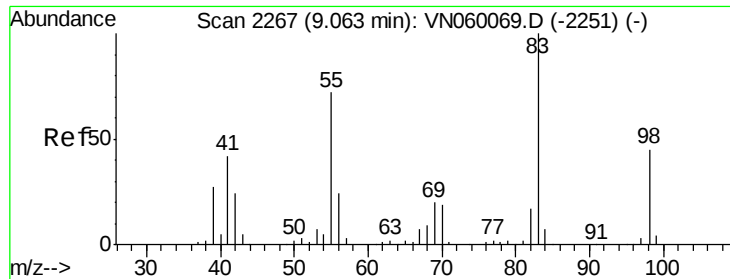
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#38
Carbon Tetrachloride
Concen: 47.453 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.2	117.4
121	30.5	24.2	36.2





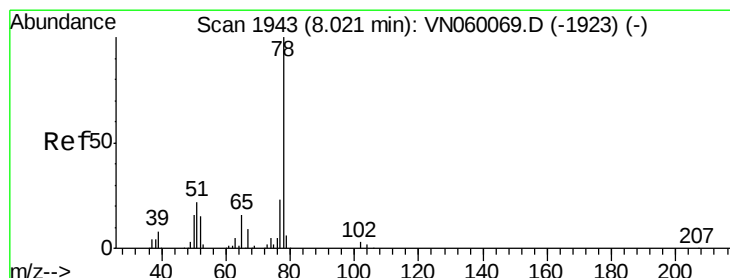
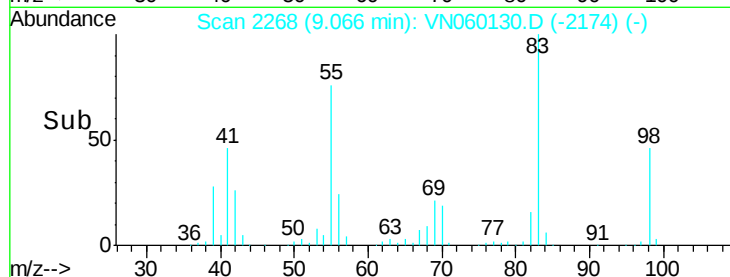
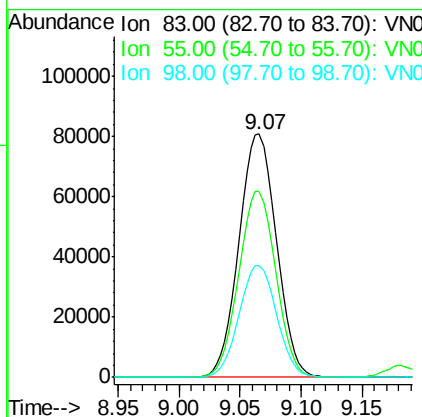
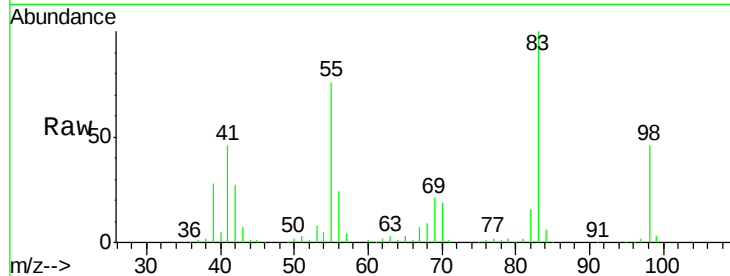
#39
Methvlcvclohexane
Concen: 48.594 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	171995
Ion Ratio	100	Lower	Upper
83	100		
55	76.3	57.8	86.8
98	45.7	36.4	54.6

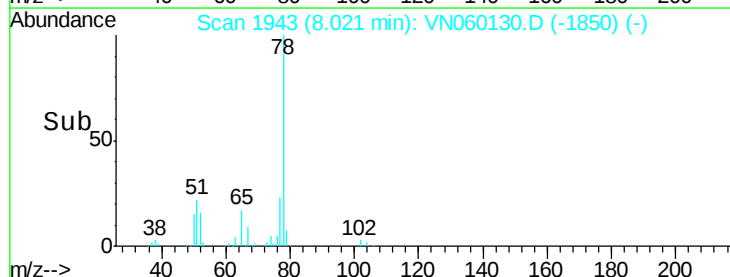
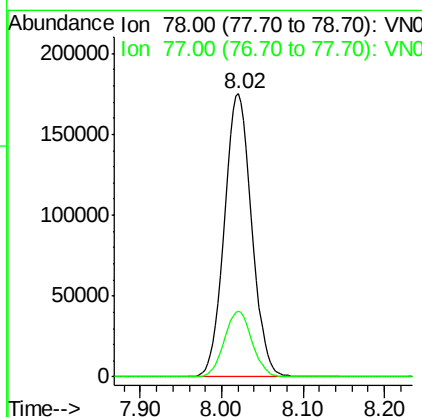
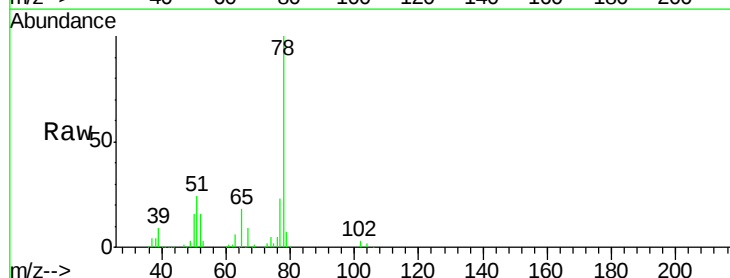
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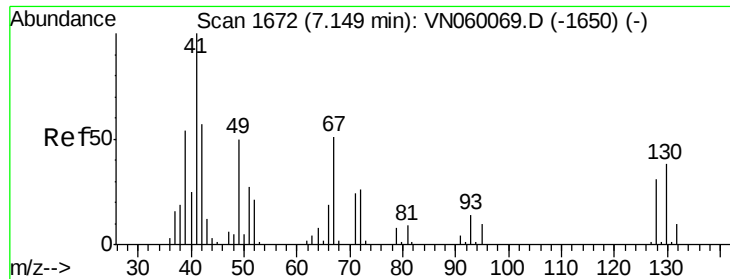
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#40
Benzene
Concen: 48.846 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	78	Resp	413140
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.8	28.2





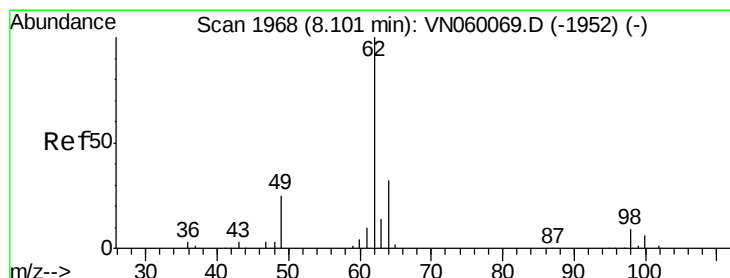
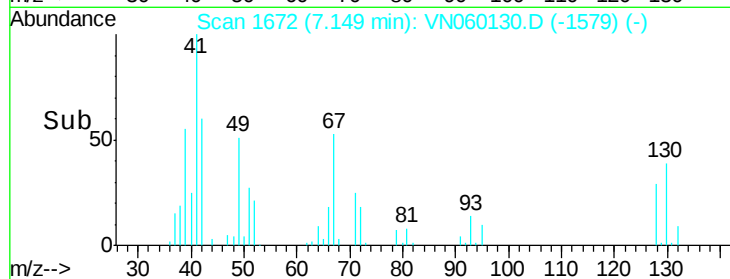
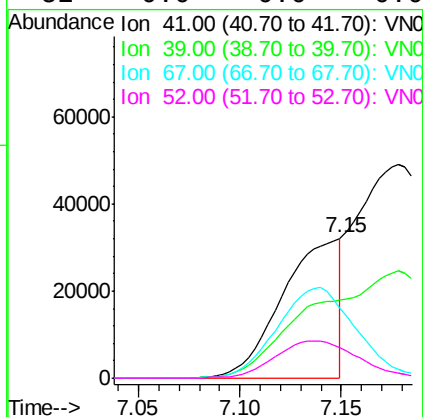
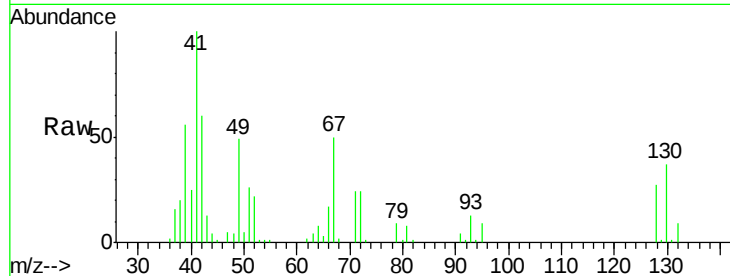
#41
Methacrylonitrile
Concen: 59.370 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	169.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

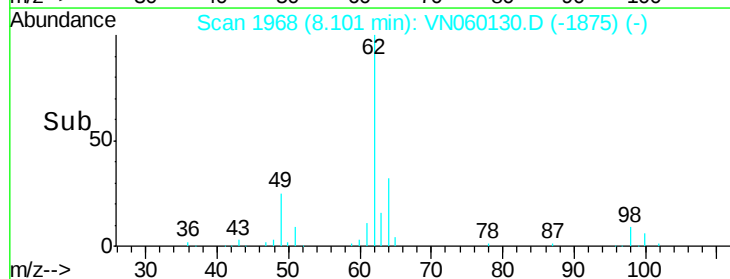
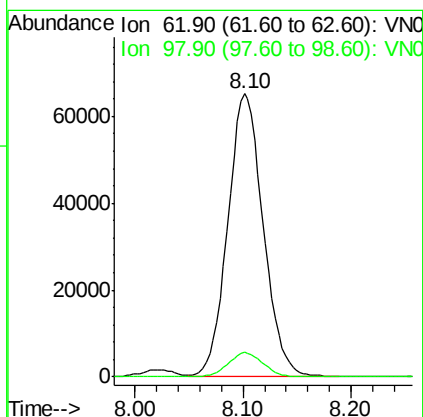
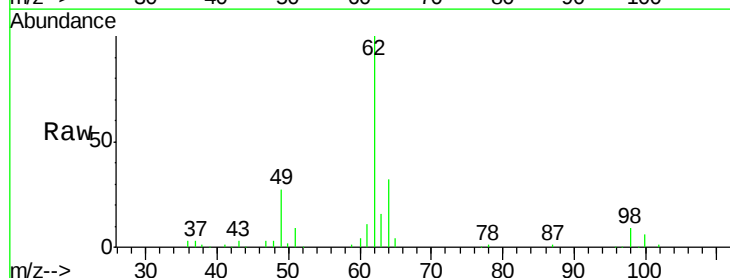
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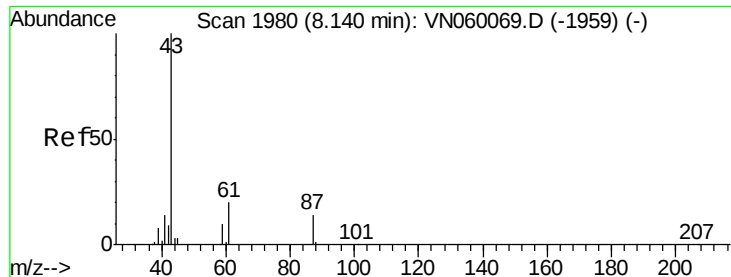
MMDadoda
2/18/2020 9:27:11 AM



#42
1,2-Dichloroethane
Concen: 50.080 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





#43

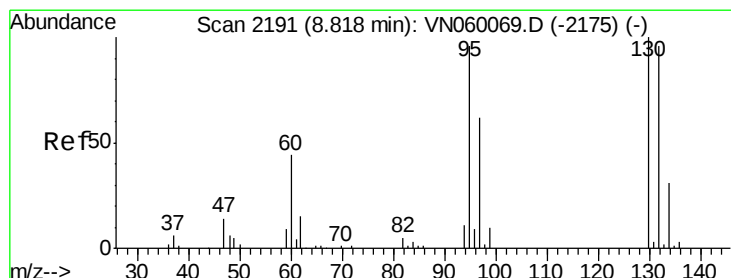
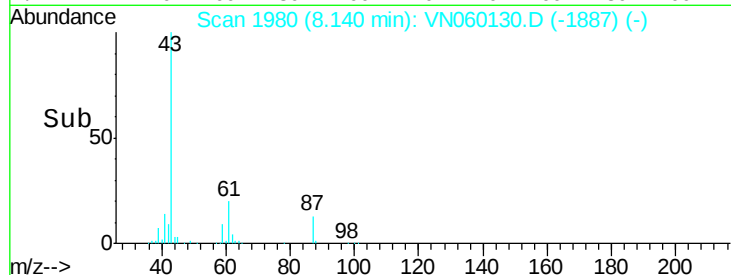
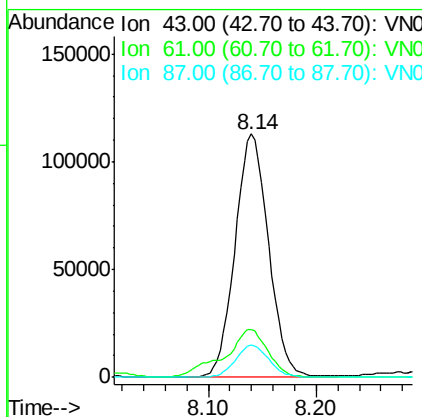
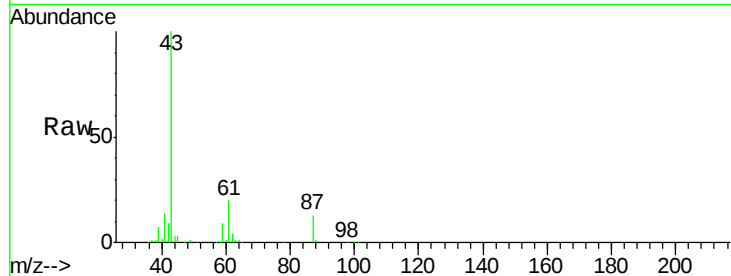
Isopropyl Acetate
 Concen: 55.619 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.8	32.6
87	13.2	11.4	17.2

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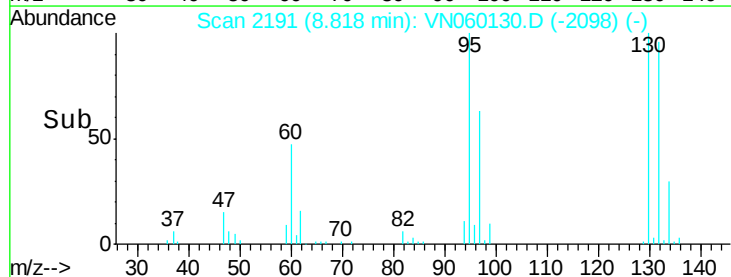
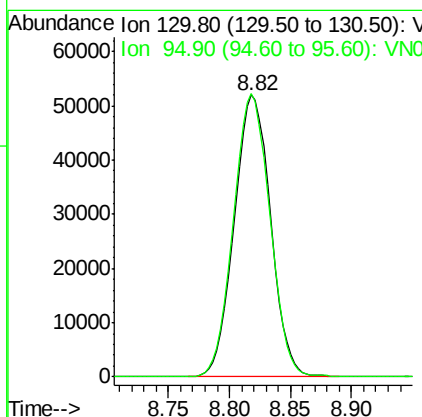
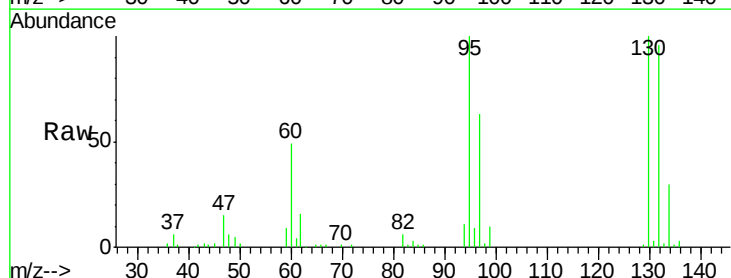
MMDadoda
 2/18/2020 9:27:11 AM

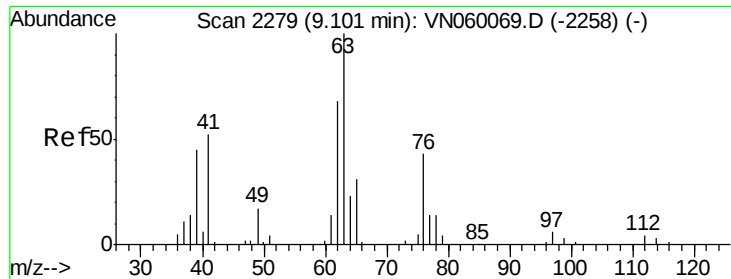


#44

Trichloroethene
 Concen: 45.850 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	192.4





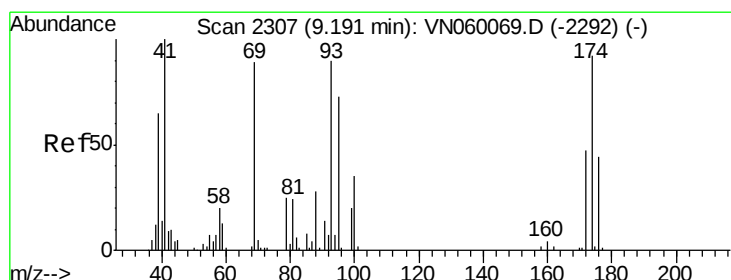
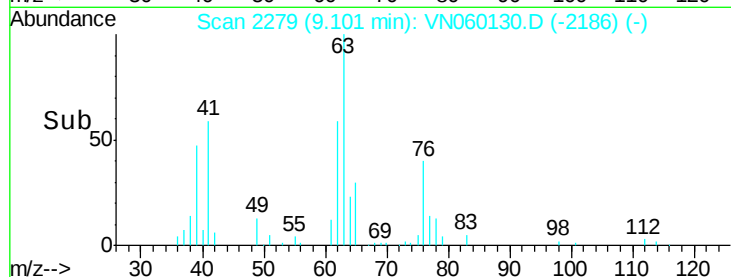
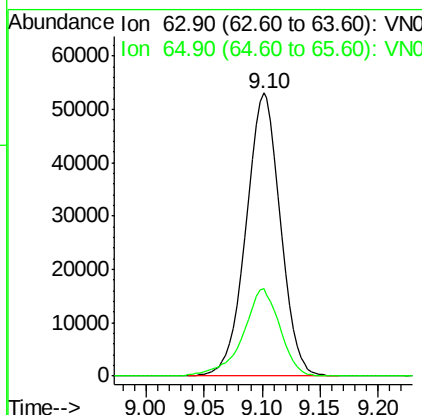
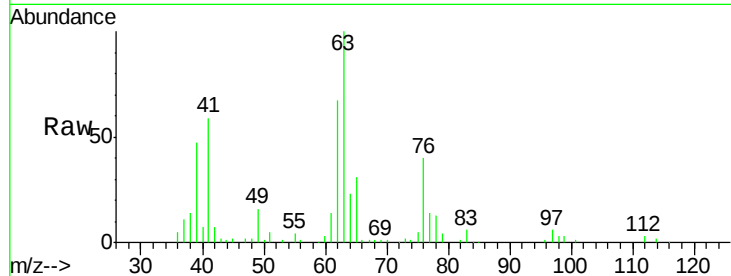
#45
 1,2-Dichloropropane
 Concen: 52.363 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 109648
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

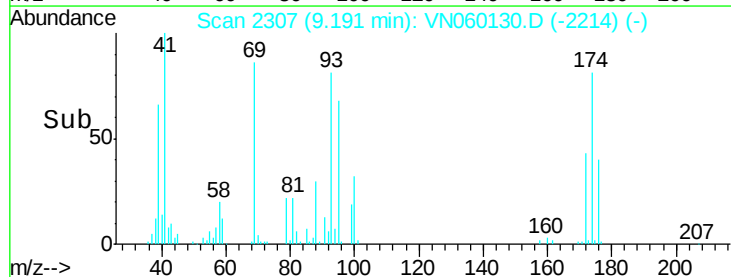
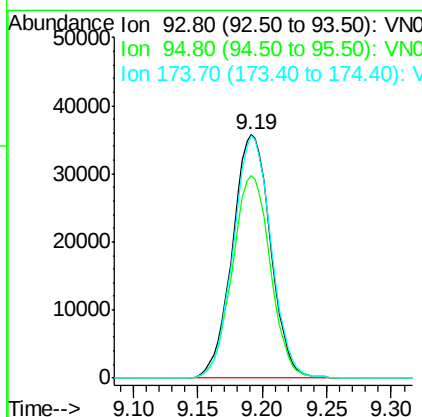
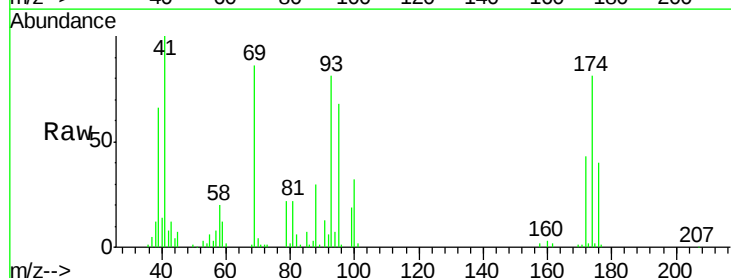
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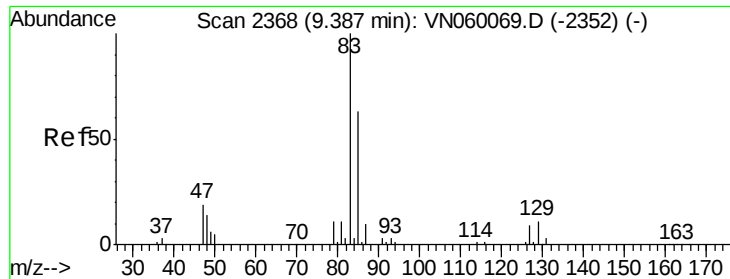
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 2/18/2020 9:27:11 AM



#46
 Dibromomethane
 Concen: 49.585 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Tgt Ion: 93 Resp: 73375
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.0 97.6
 174 98.5 82.3 123.5





#47

Bromodichloromethane

Concen: 50.023 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

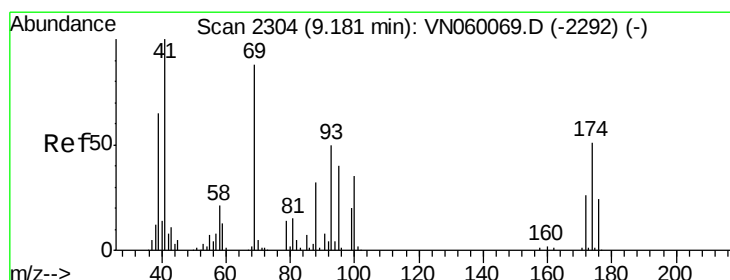
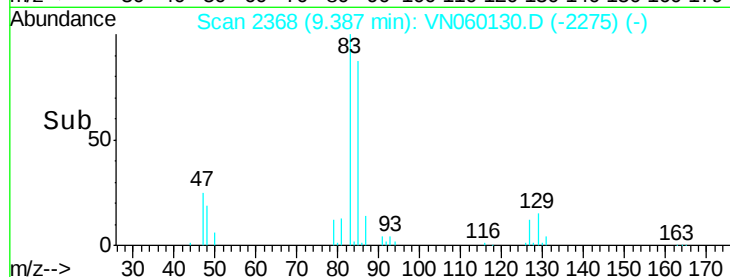
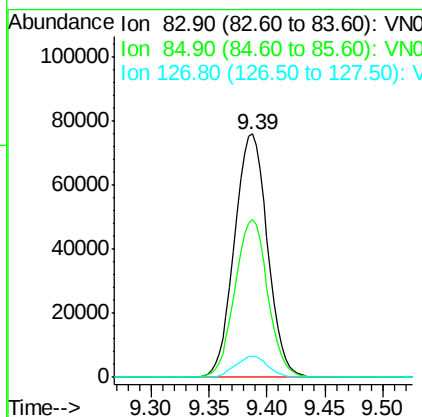
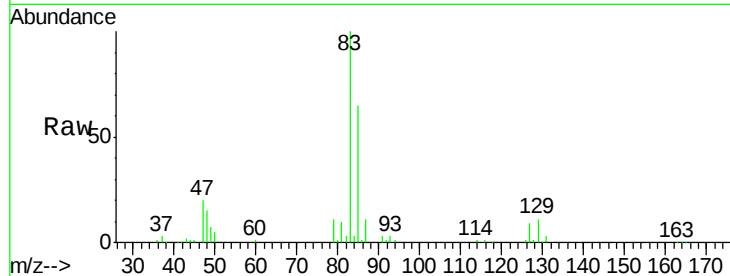
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	150494
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.6	75.8
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.594 ug/l

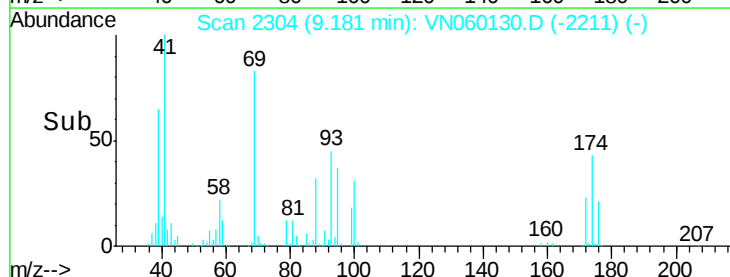
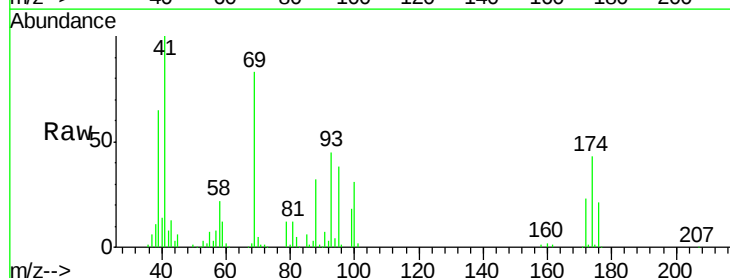
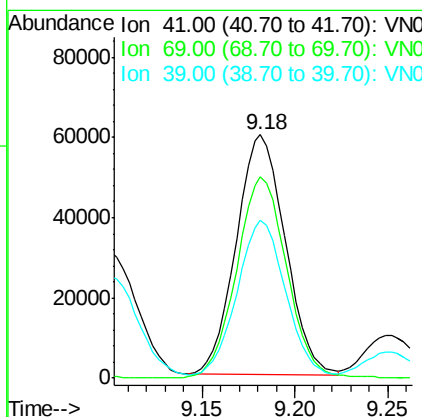
RT: 9.18 min Scan# 2304

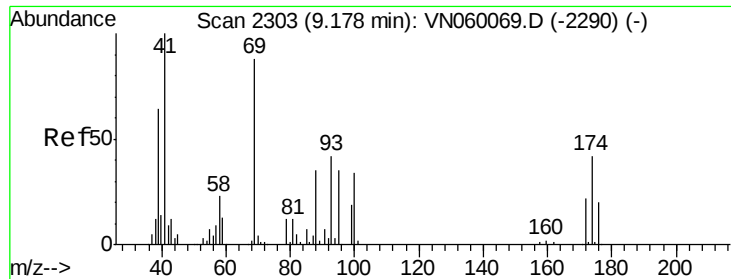
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	41	Resp:	109876
Ion Ratio	Lower	Upper	
41	100		
69	85.8	72.0	108.0
39	63.4	54.1	81.1





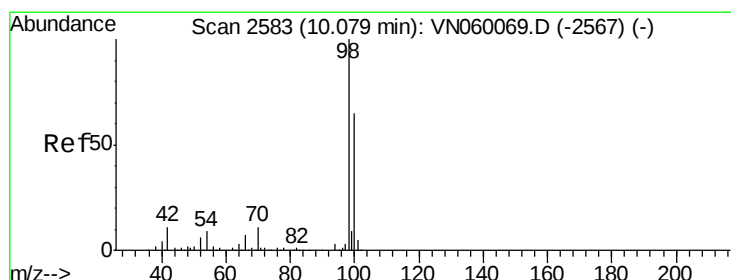
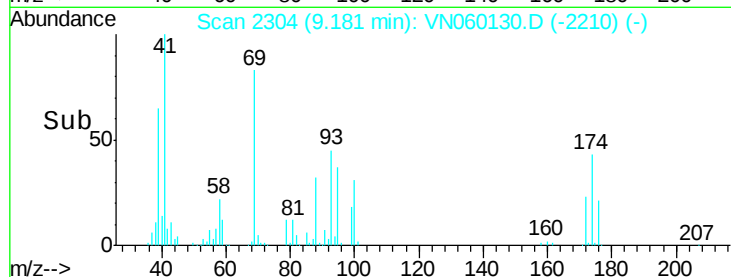
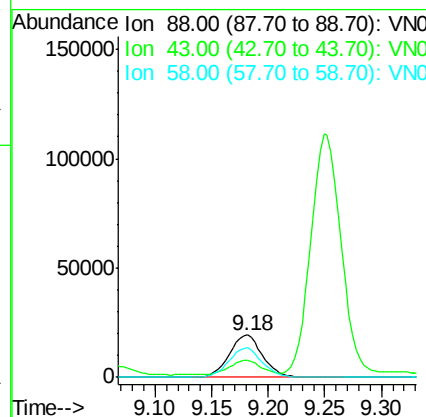
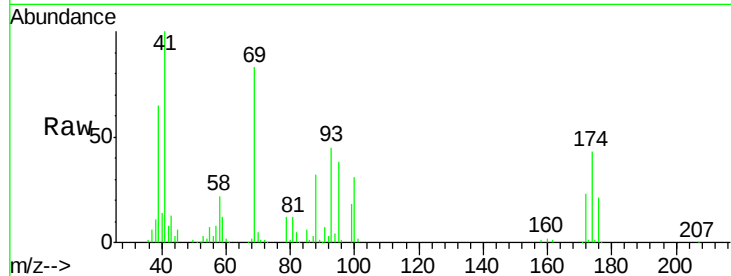
#49
1,4-Dioxane
Concen: 1176.237 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.2	39.2
58	68.7	53.2	79.8

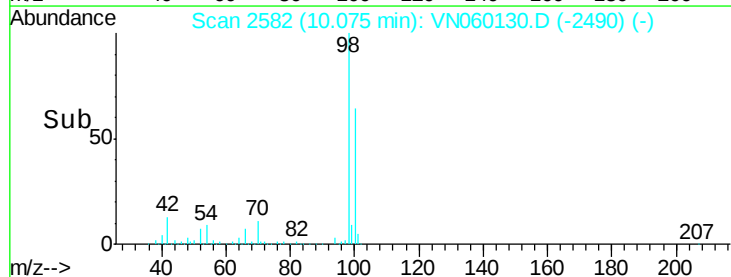
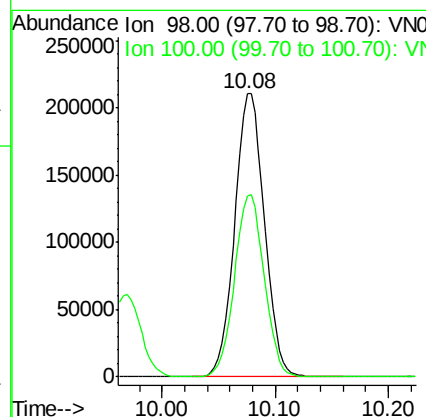
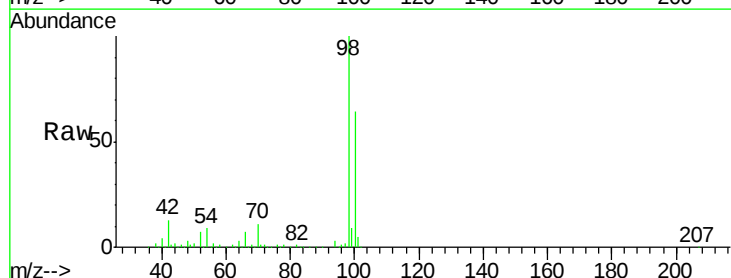
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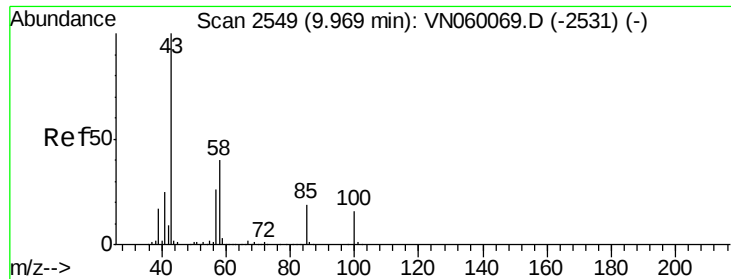
MMDadoda
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#50
Toluene-d8
Concen: 51.642 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 290.113 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 739707

Ion Ratio Lower Upper

43 100

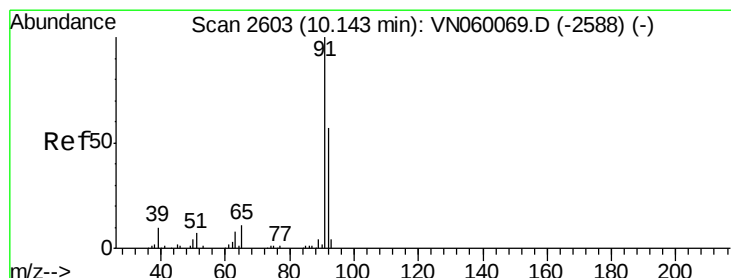
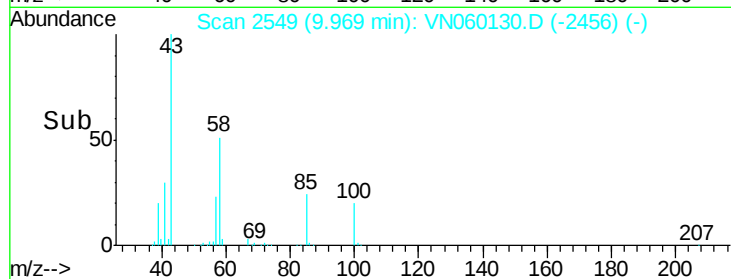
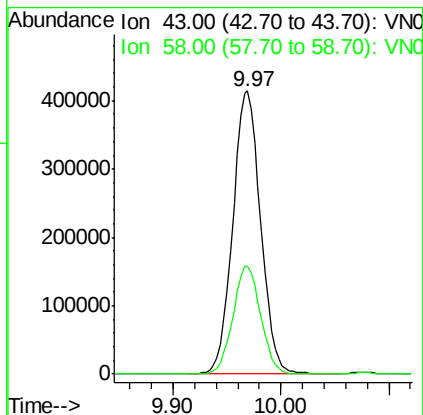
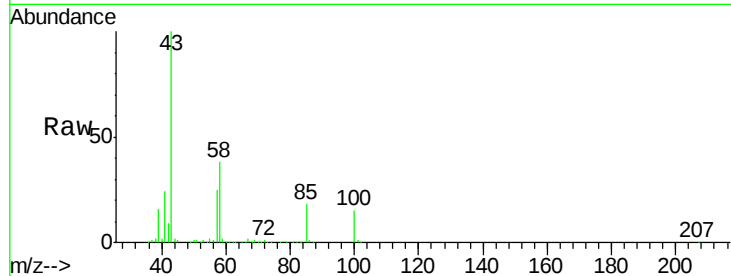
58 38.4 31.8 47.8

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#52

Toluene

Concen: 49.028 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060130.D

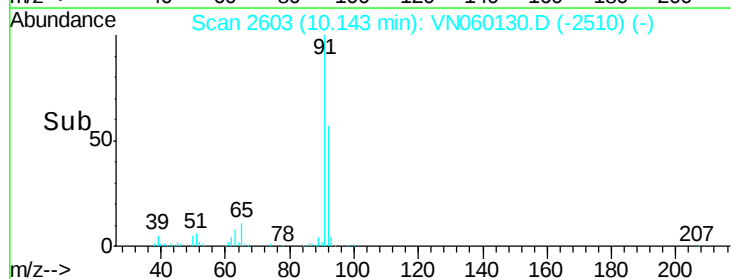
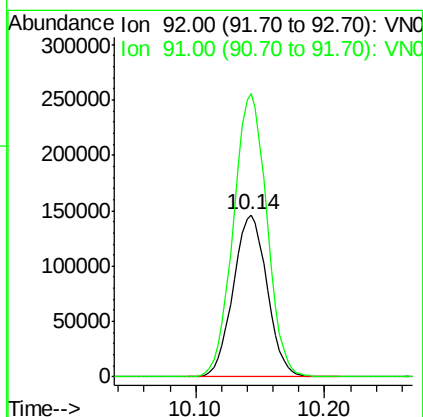
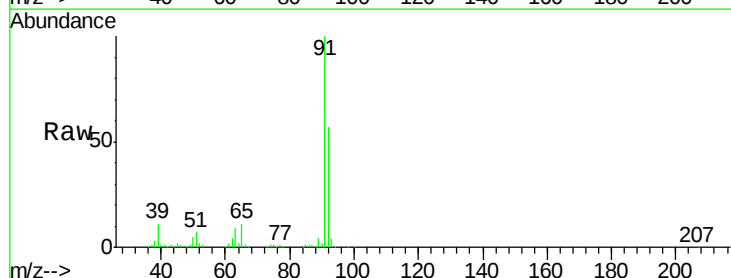
Acq: 17 Feb 2020 19:16

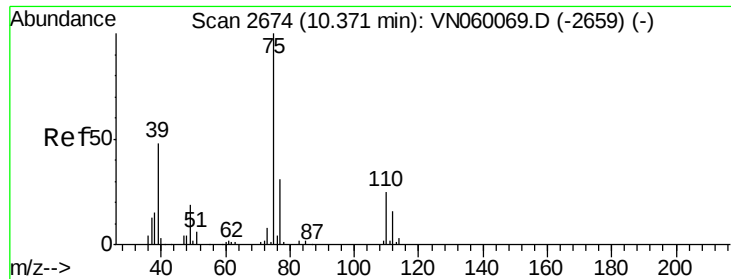
Tgt Ion: 92 Resp: 265922

Ion Ratio Lower Upper

92 100

91 173.6 140.9 211.3





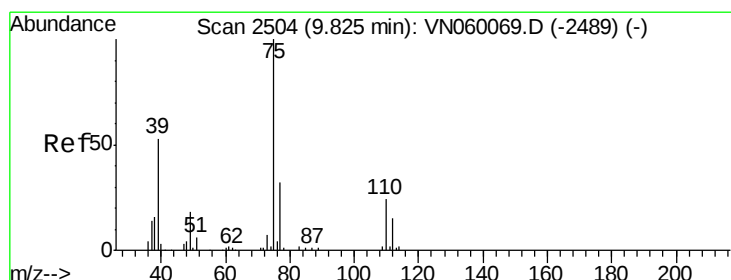
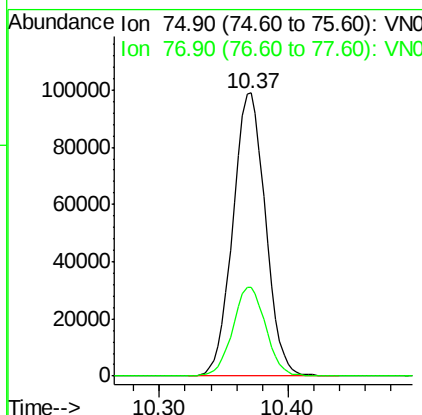
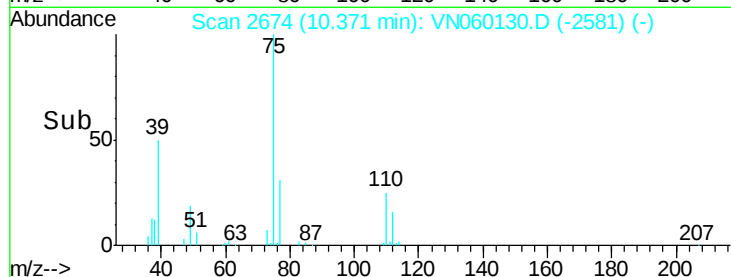
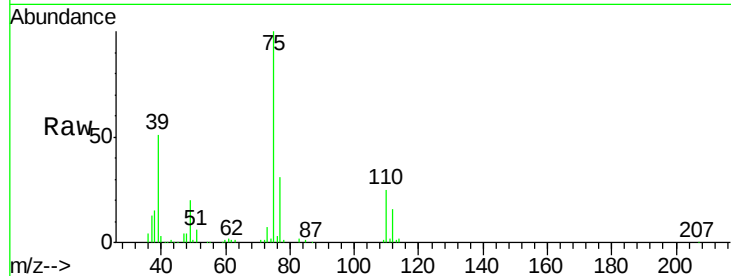
#53
t-1,3-Dichloropropene
Concen: 51.156 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 173718
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0

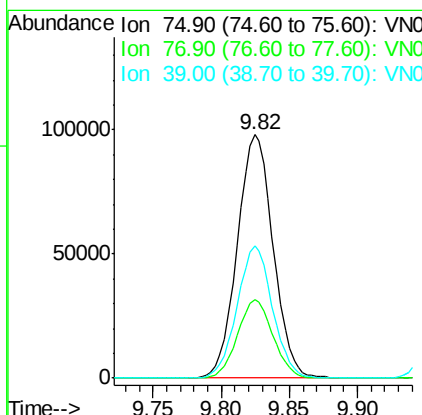
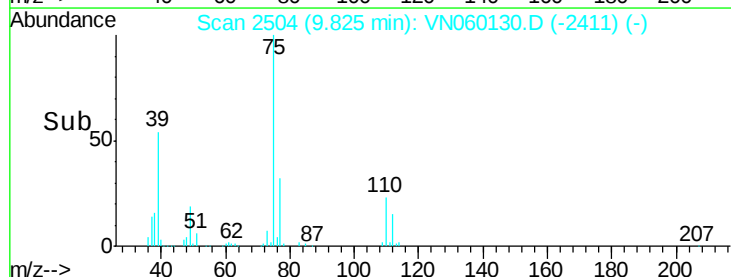
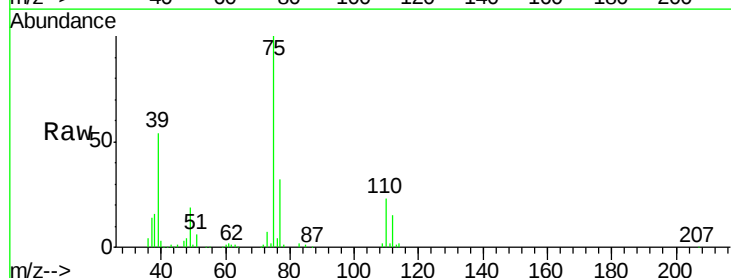
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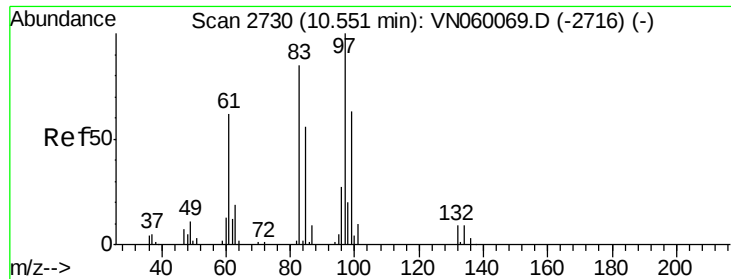
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#54
cis-1,3-Dichloropropene
Concen: 50.006 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion: 75 Resp: 178816
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
39 54.1 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 49.158 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

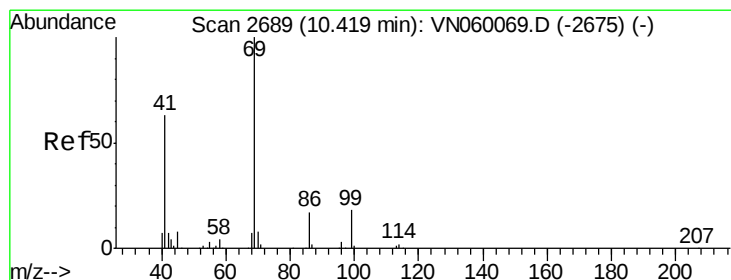
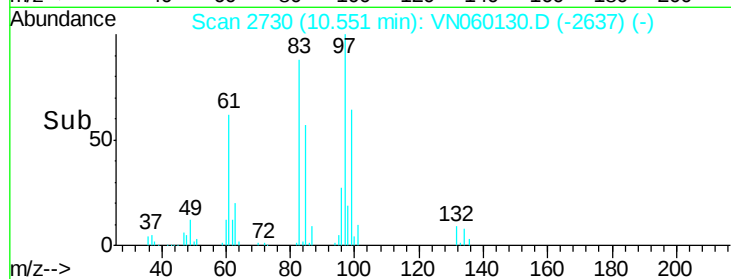
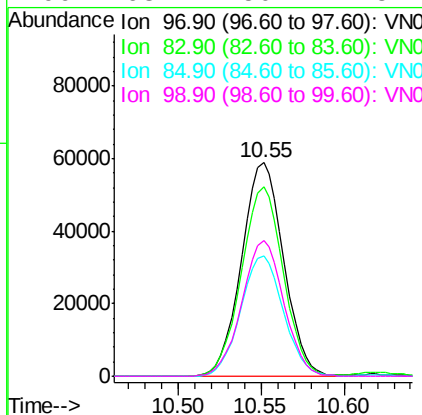
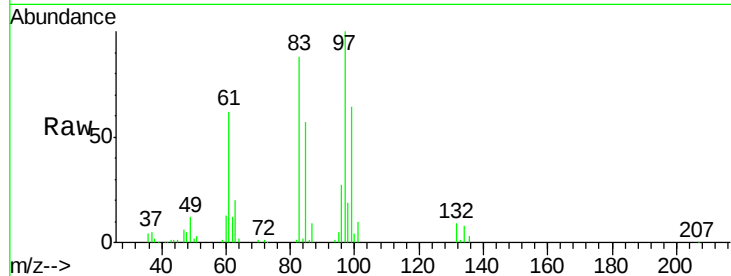
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	104017
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.9	101.9
85	56.5	44.6	67.0
99	63.7	50.1	75.1

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#56

Ethyl methacrylate

Concen: 54.032 ug/l

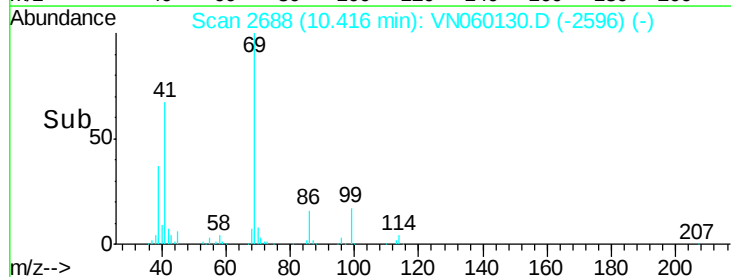
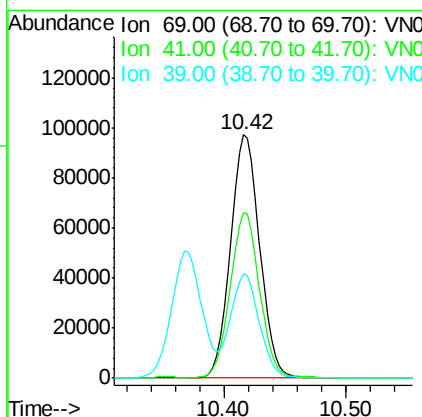
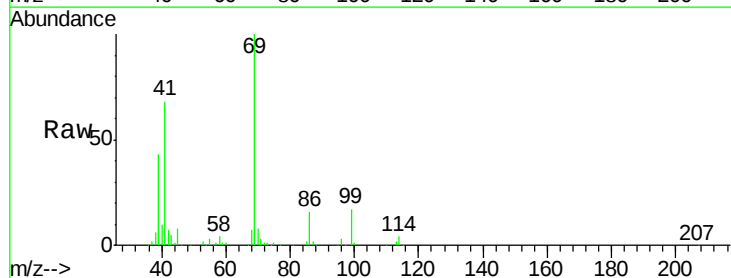
RT: 10.42 min Scan# 2688

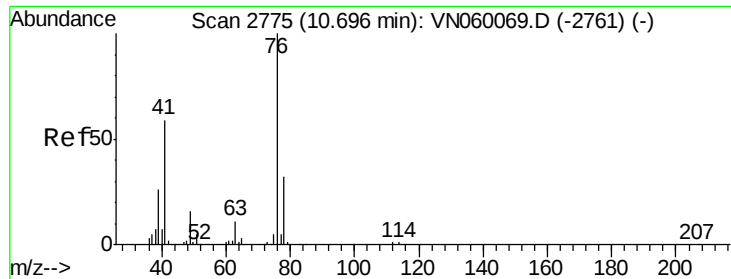
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	69	Resp:	161736
Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.1	76.7
39	42.4	33.8	50.8





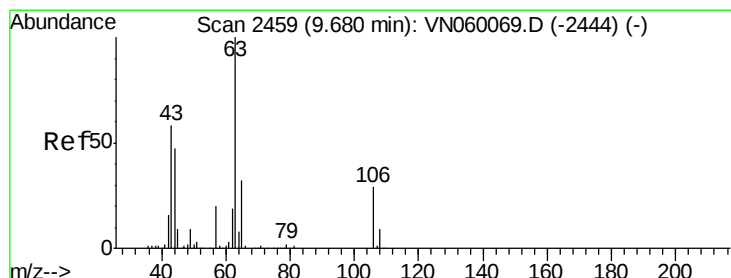
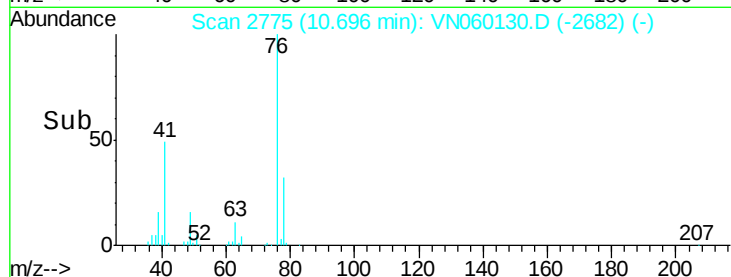
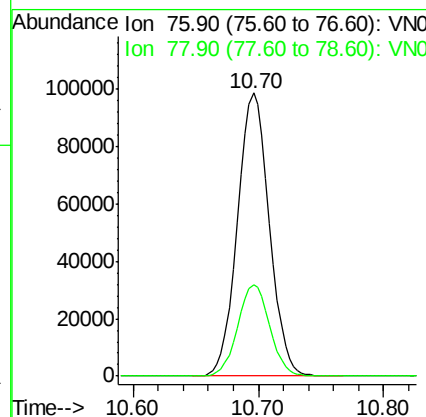
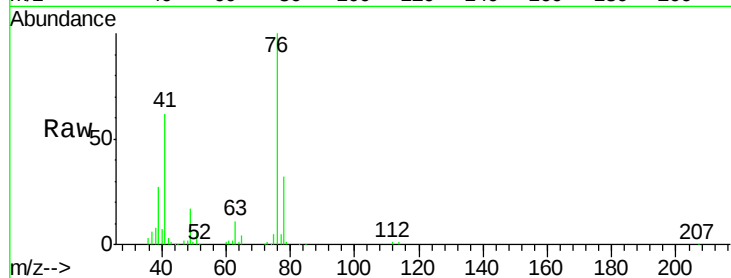
#57
 1,3-Dichloropropane
 Concen: 49.787 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

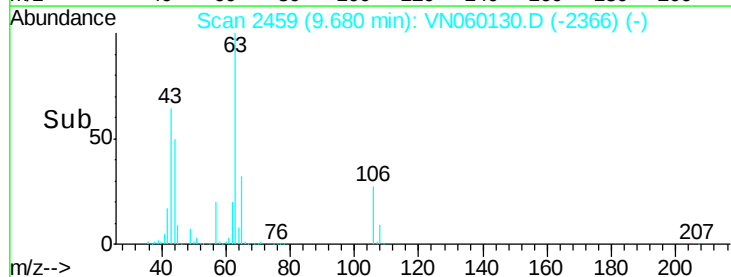
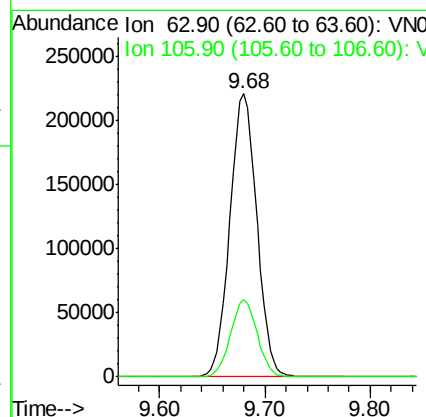
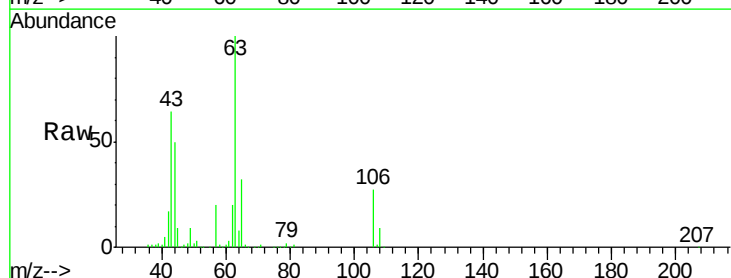
Manual Integrations
 APPROVED

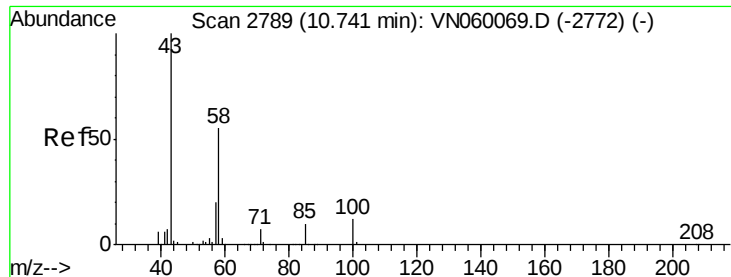
MMDadoda
 2/18/2020 9:27:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.727 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.9	34.3





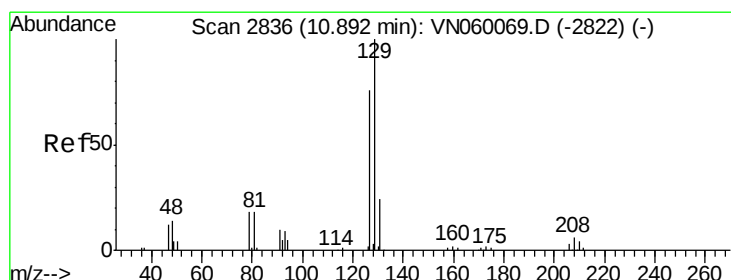
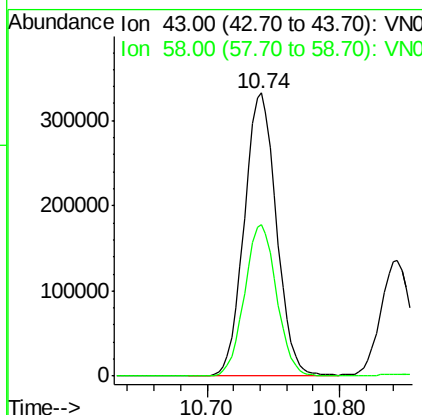
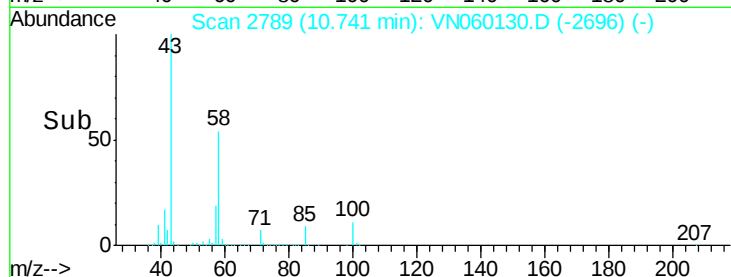
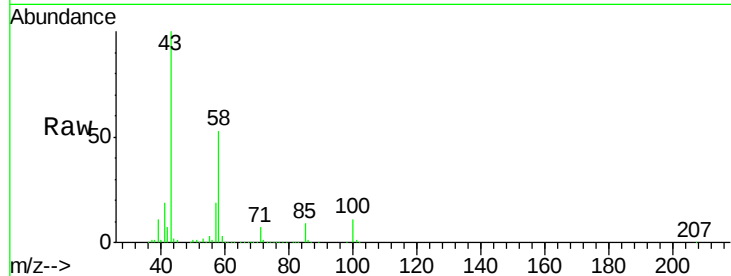
#59
2-Hexanone
Concen: 282.676 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 556756
Ion Ratio Lower Upper
43 100
58 53.6 27.5 82.4

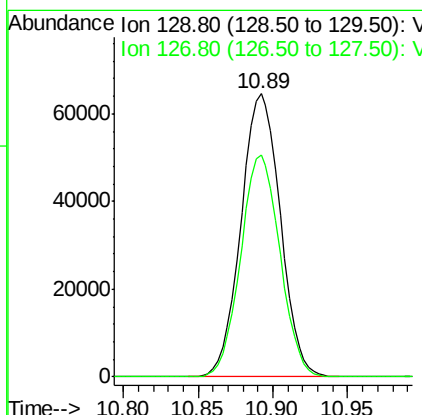
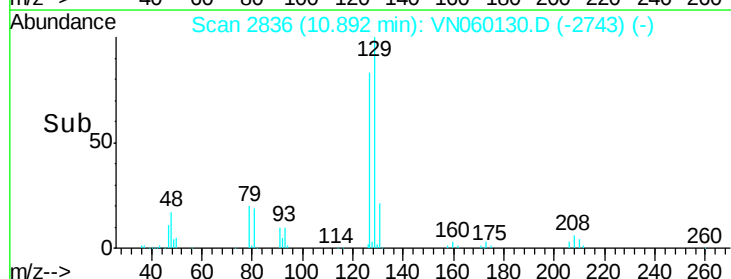
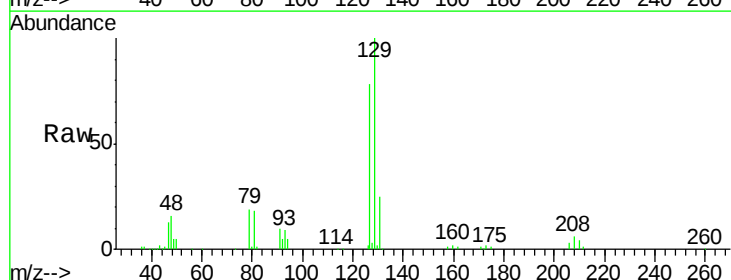
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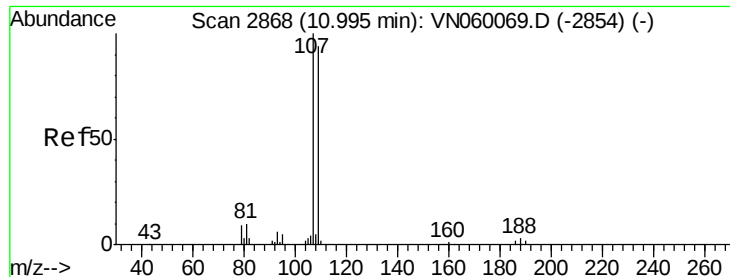
MMDadoda
2/18/2020 9:27:11 AM



#60
Dibromochloromethane
Concen: 48.704 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion: 129 Resp: 118263
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 49.900 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 110687

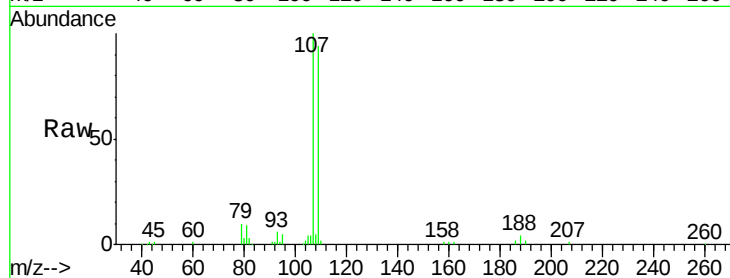
Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.0

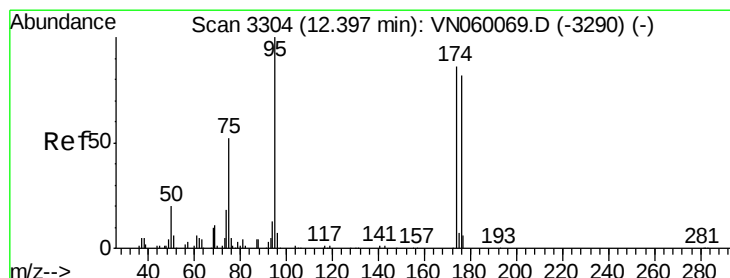
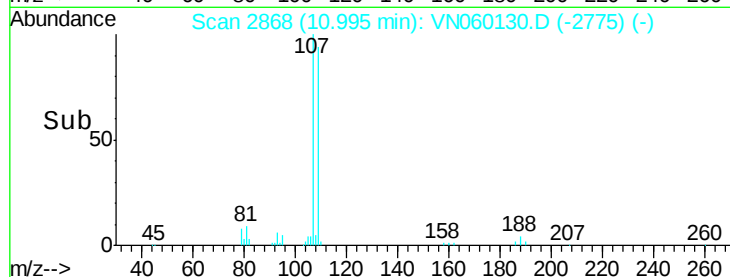
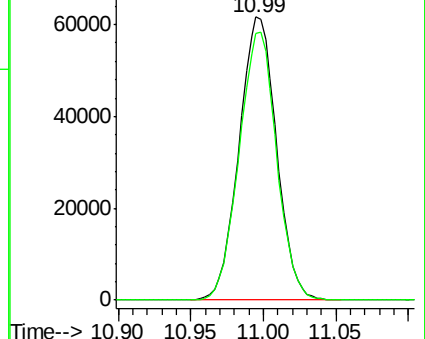
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.368 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

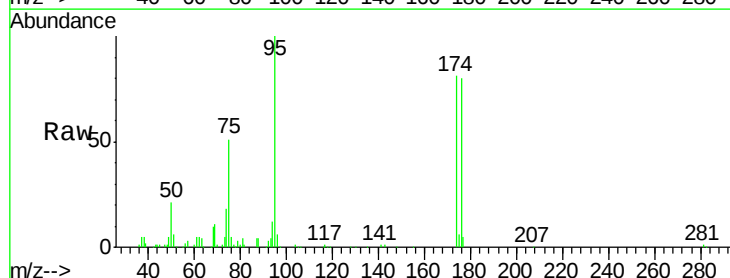
Tgt Ion: 95 Resp: 146129

Ion Ratio Lower Upper

95 100

174 80.9 0.0 169.8

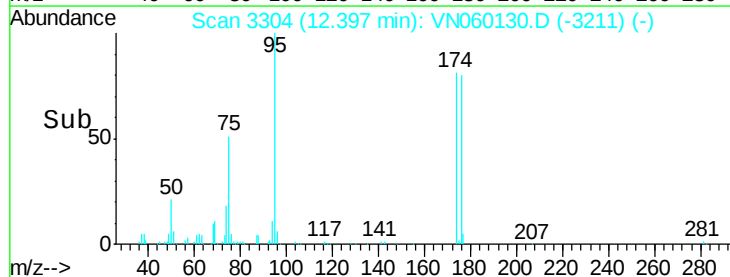
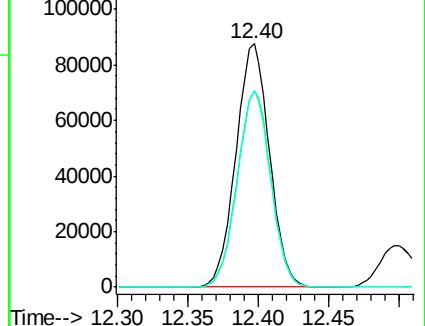
176 79.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





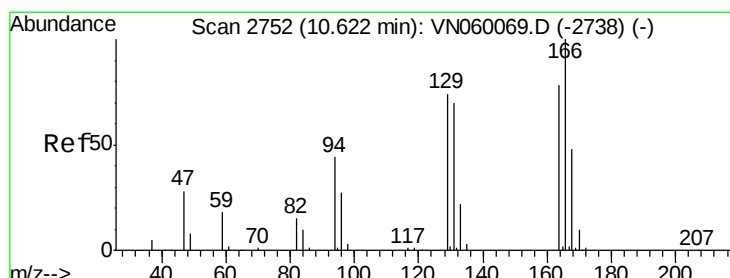
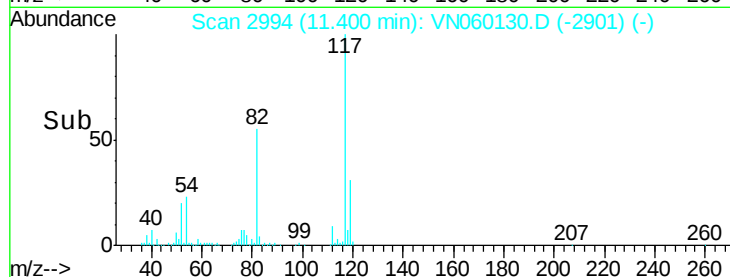
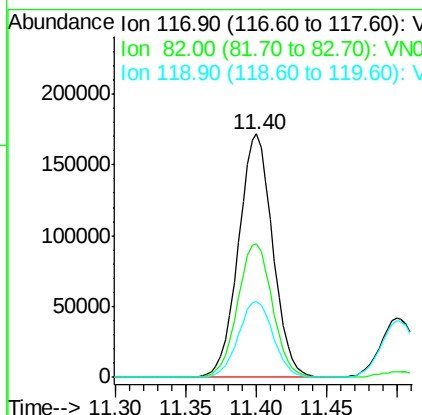
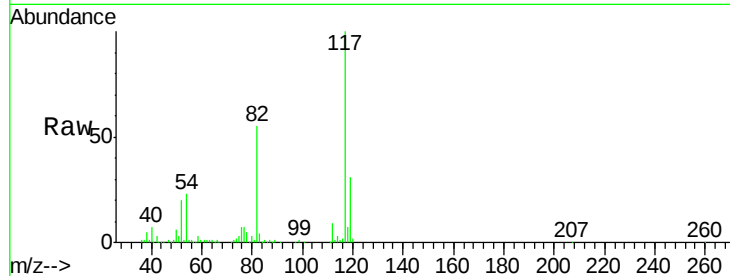
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.4	65.0
119	31.2	25.8	38.6

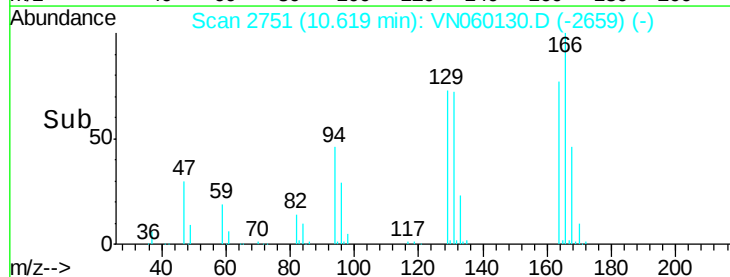
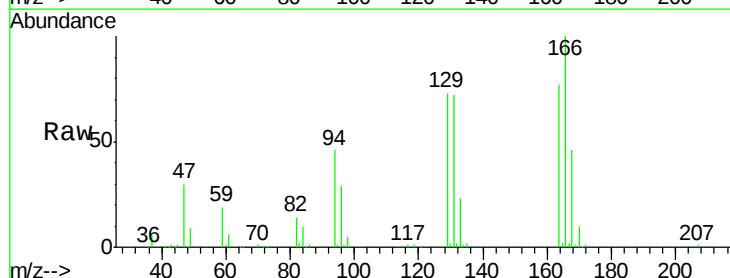
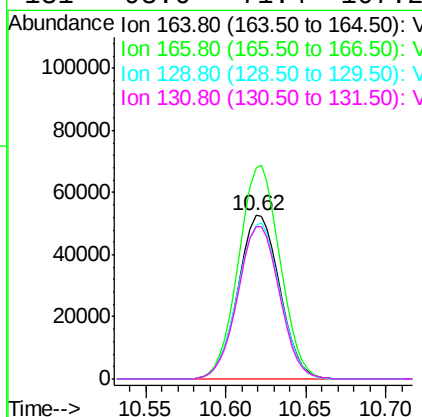
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#64
Tetrachloroethene
Concen: 42.278 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.9	152.9
129	94.0	75.4	113.0
131	93.6	71.4	107.2





#65

Chlorobenzene

Concen: 47.292 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 281193

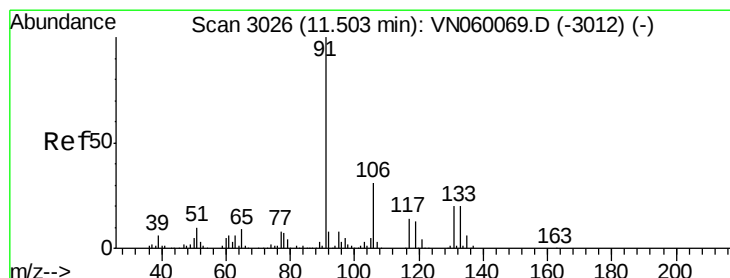
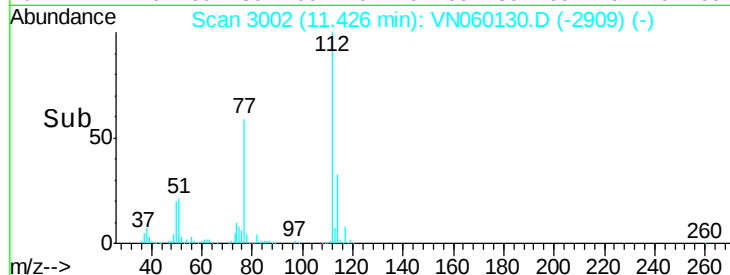
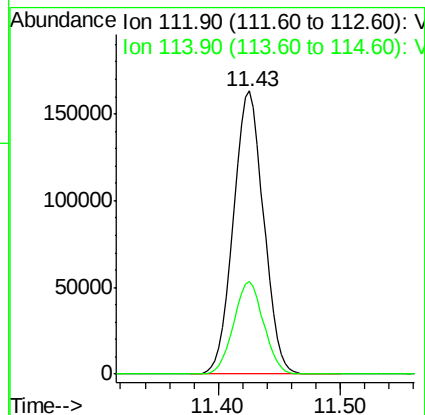
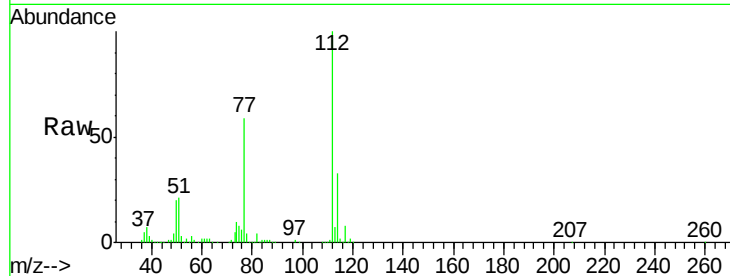
Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 47.855 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

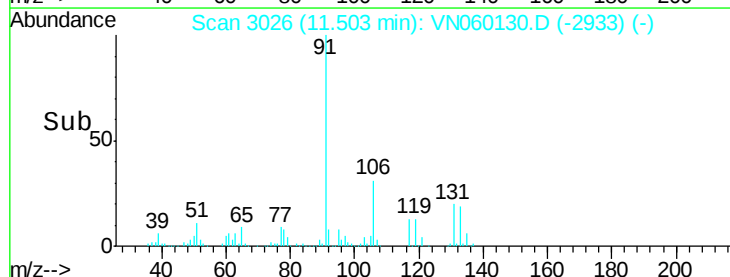
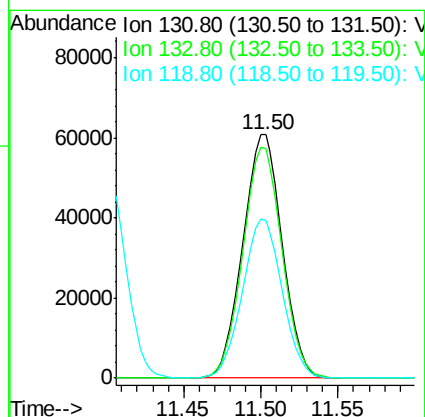
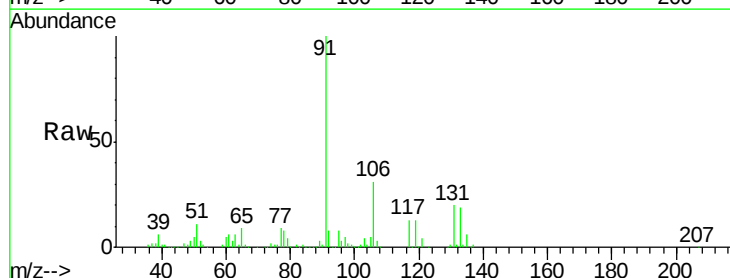
Tgt Ion:131 Resp: 107640

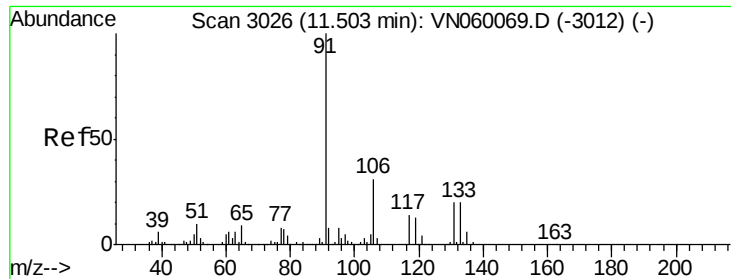
Ion Ratio Lower Upper

131 100

133 94.4 47.9 143.7

119 65.8 32.6 97.7





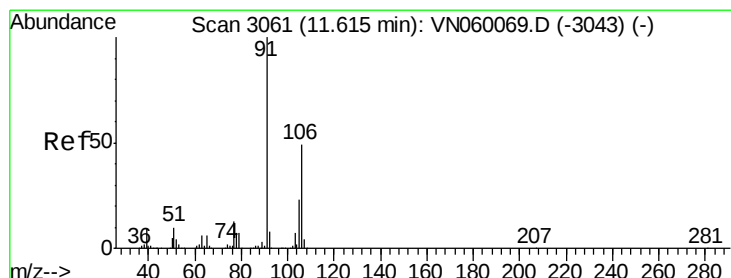
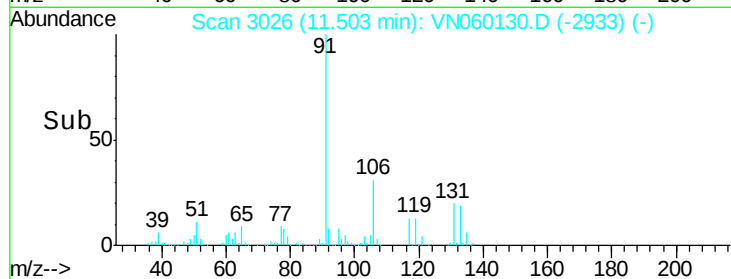
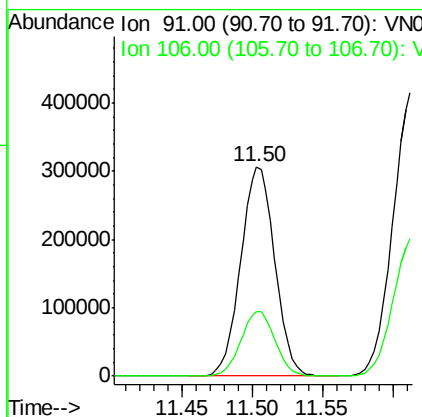
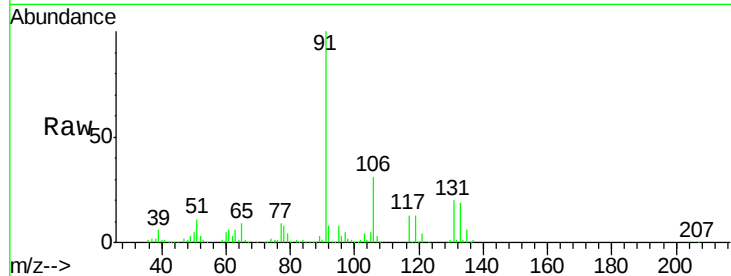
#67
Ethyl Benzene
Concen: 48.371 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 518718
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7

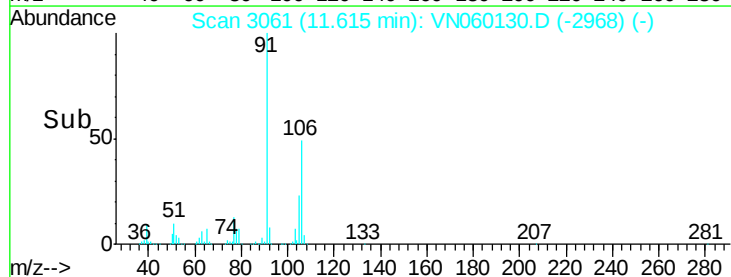
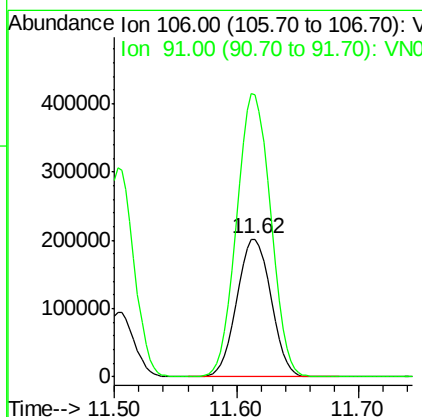
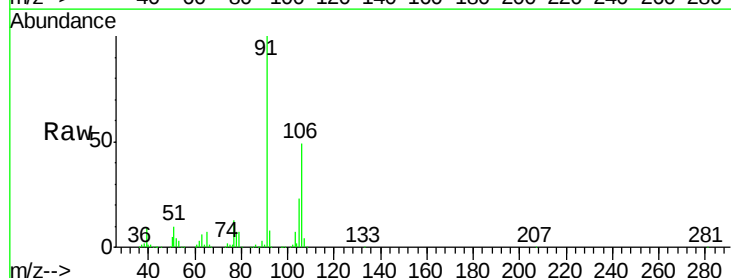
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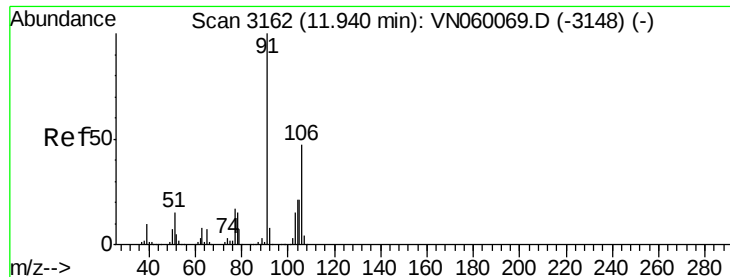
MMDadoda
2/18/2020 9:27:11 AM



#68
m/p-Xylenes
Concen: 97.045 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion: 106 Resp: 390586
Ion Ratio Lower Upper
106 100
91 204.6 162.7 244.1





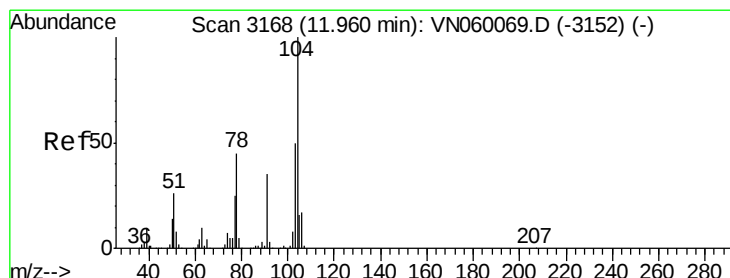
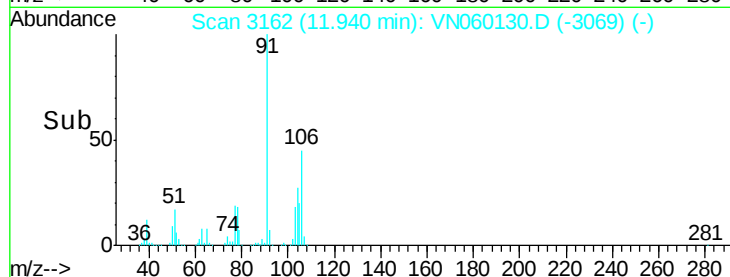
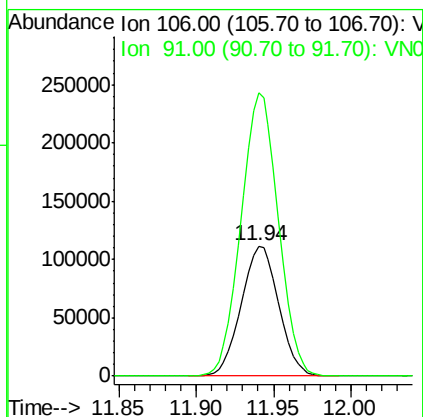
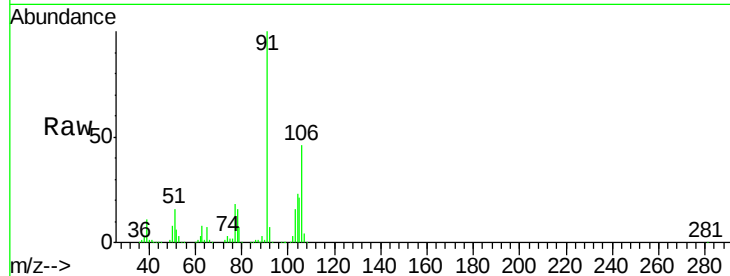
#69
o-Xylene
Concen: 48.472 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.6	107.2	321.6	

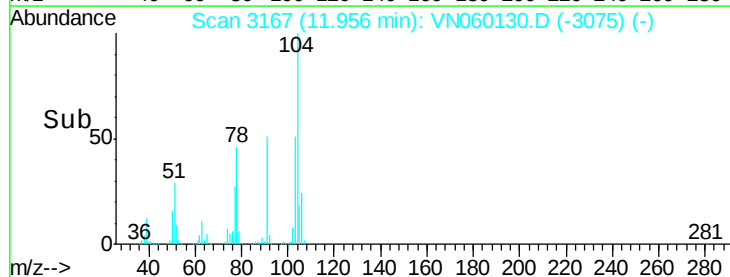
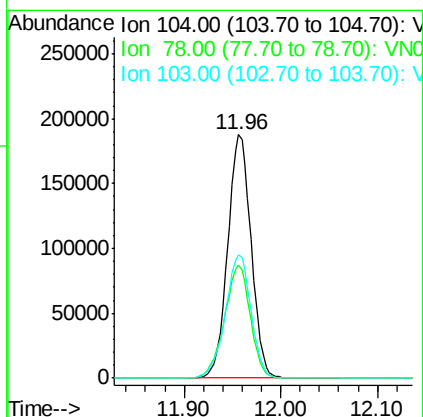
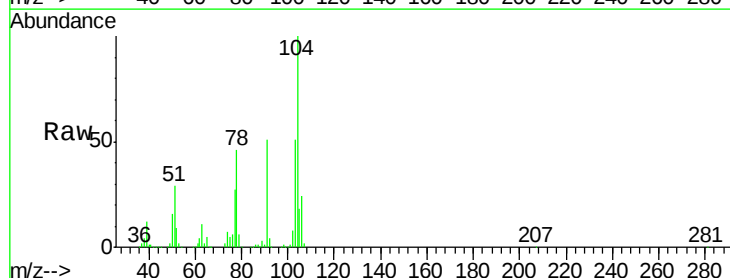
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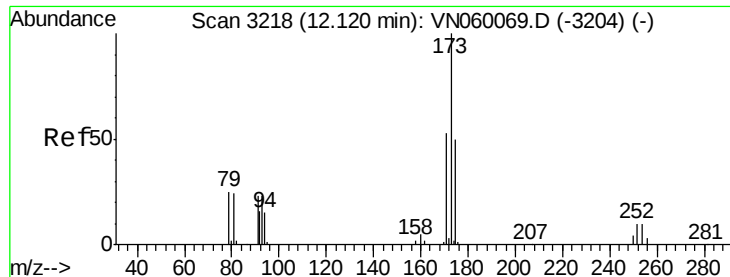
MMDadoda
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#70
Styrene
Concen: 50.526 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.8	40.2	60.2	
103	55.1	44.3	66.5	





#71

Bromoform

Concen: 50.464 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 91295

Ion Ratio Lower Upper

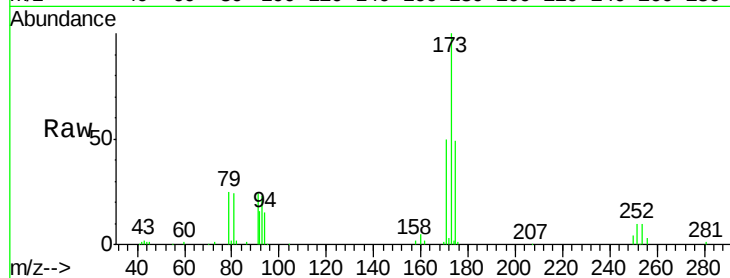
173 100

175 47.8 24.9 74.6

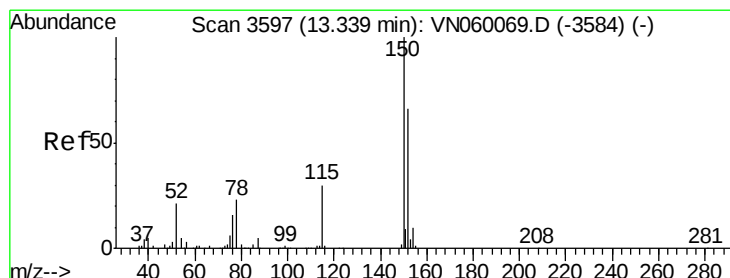
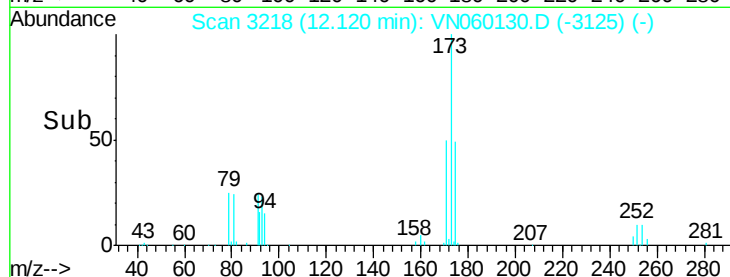
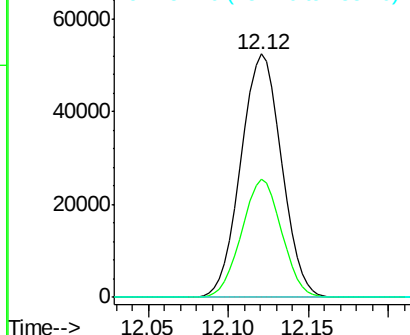
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

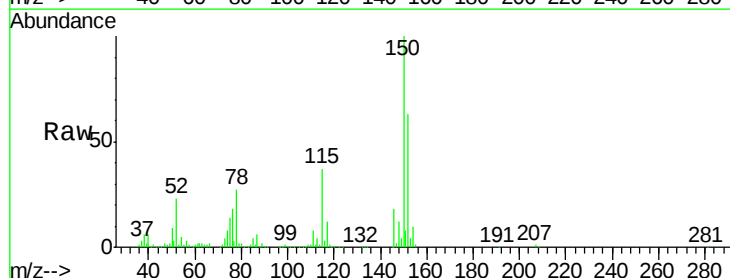
Tgt Ion:152 Resp: 150368

Ion Ratio Lower Upper

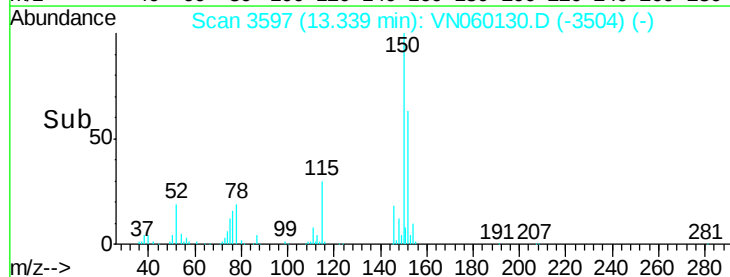
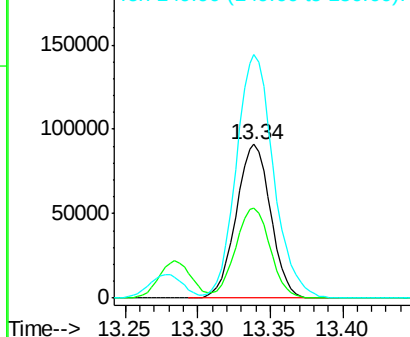
152 100

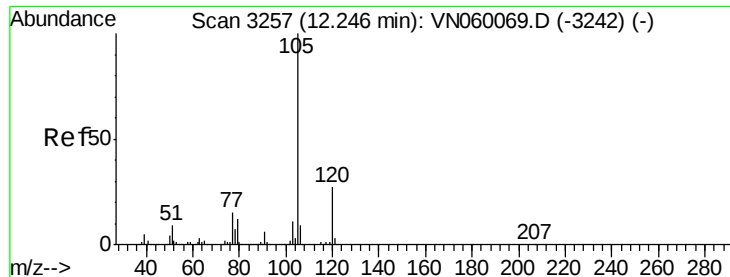
115 58.8 28.9 86.8

150 171.2 0.0 342.4



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





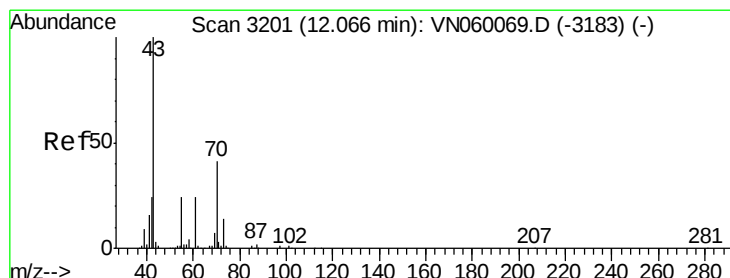
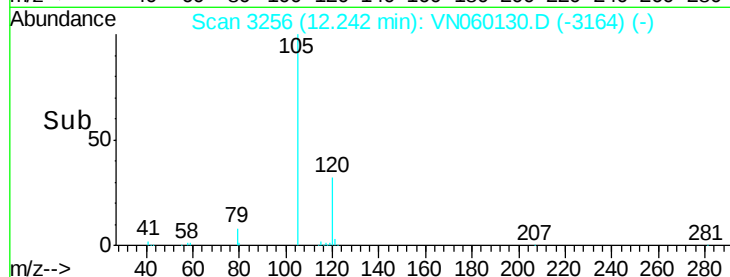
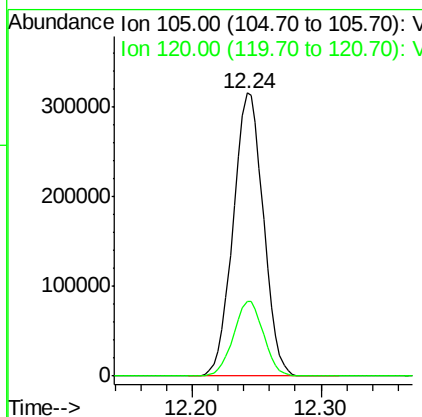
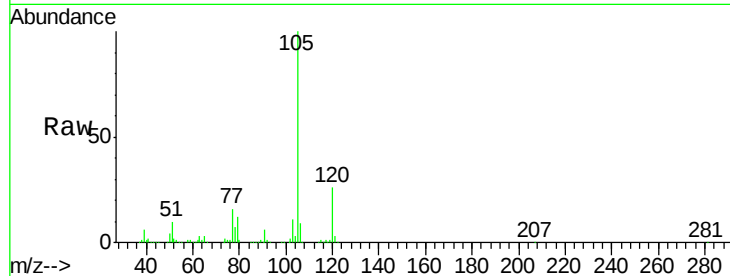
#73
Isopropylbenzene
Concen: 45.657 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.8

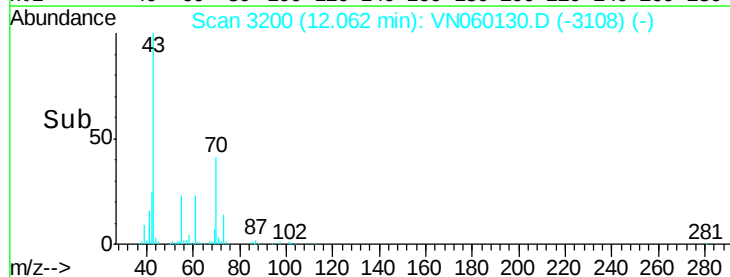
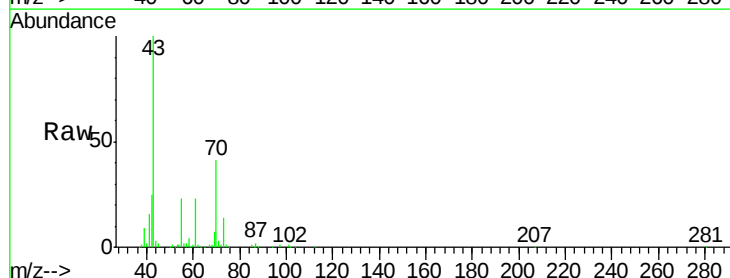
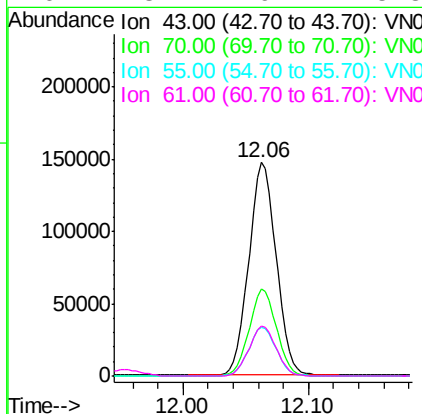
Manual Integrations
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#74
N-ethyl acetate
Concen: 55.467 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	33.4	50.0
55	23.2	18.8	28.2
61	23.4	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.223 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

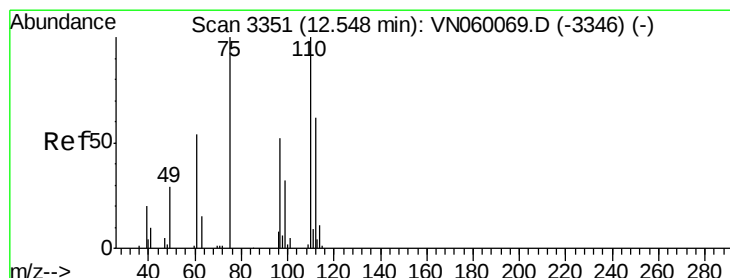
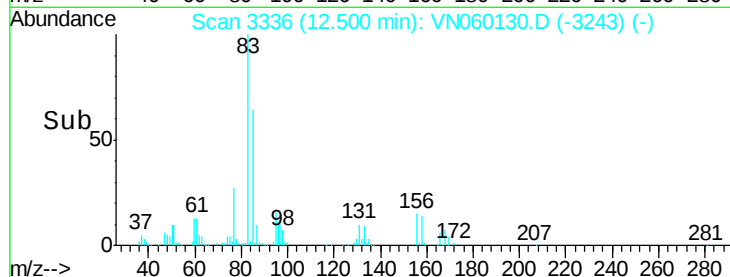
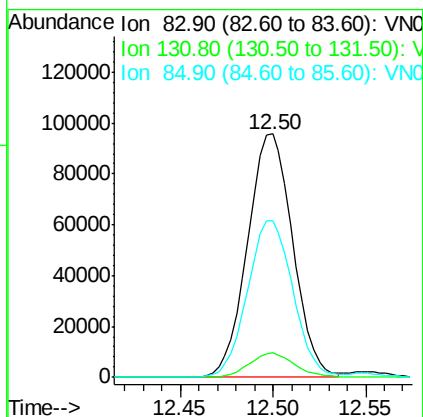
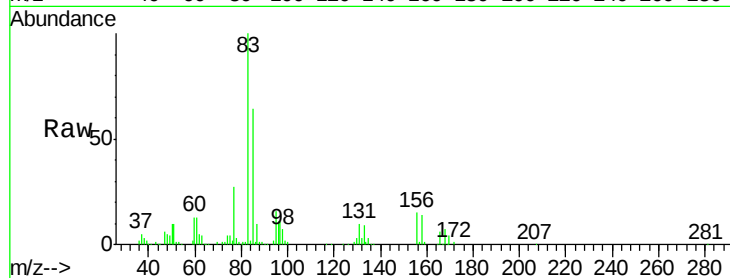
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162320
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	64.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 49.341 ug/l m

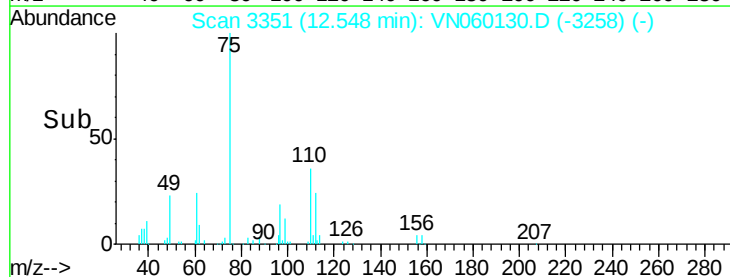
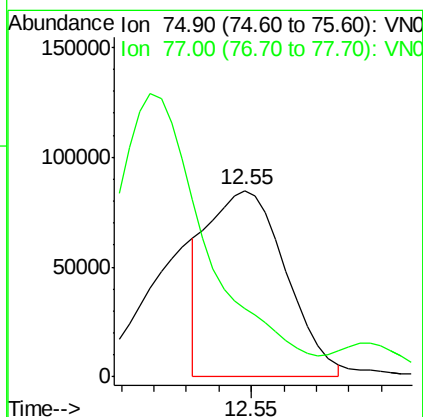
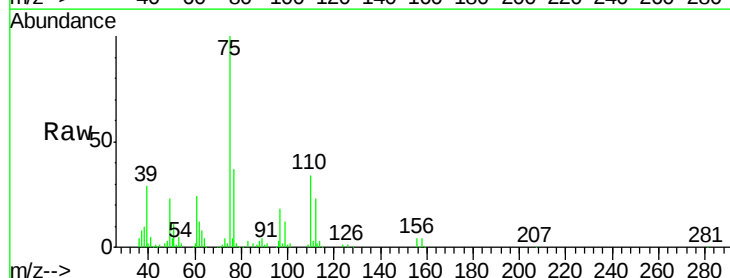
RT: 12.55 min Scan# 3351

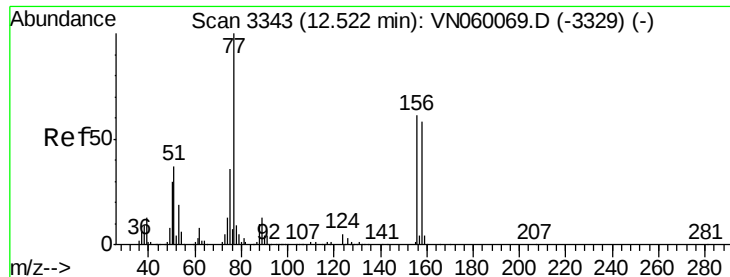
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	75	Resp:	141948
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.073 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

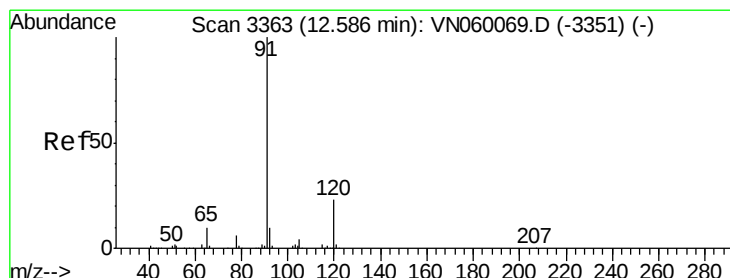
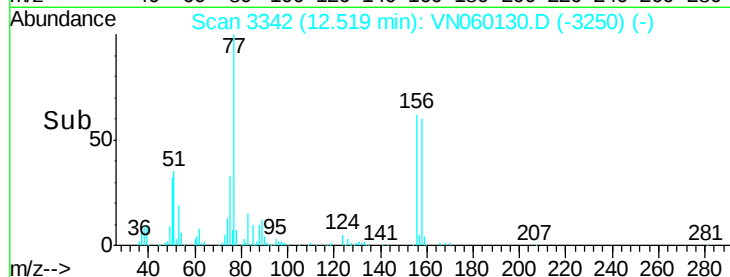
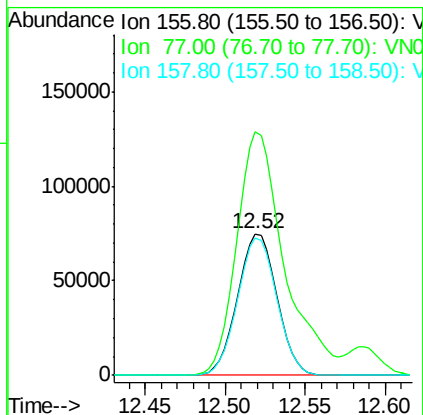
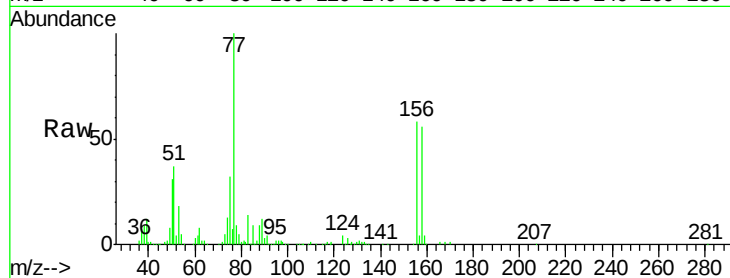
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	125600
Ion Ratio	Lower	Upper	
156	100		
77	209.1	98.7	296.1
158	97.0	48.1	144.4

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#78

n-propylbenzene

Concen: 46.790 ug/l

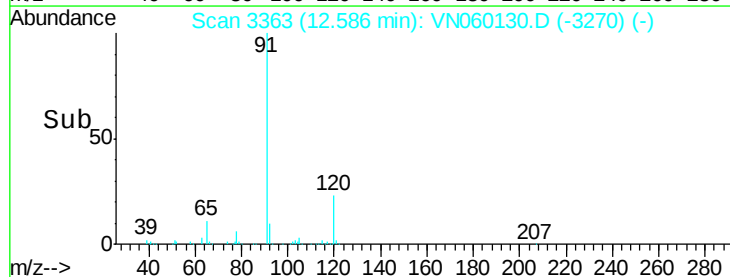
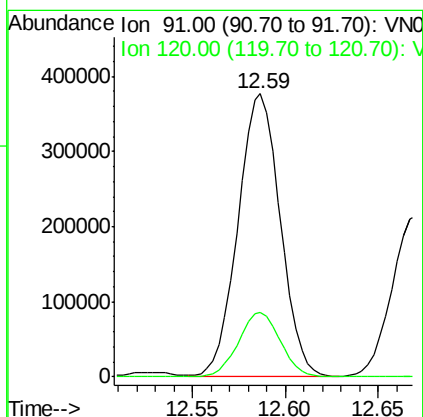
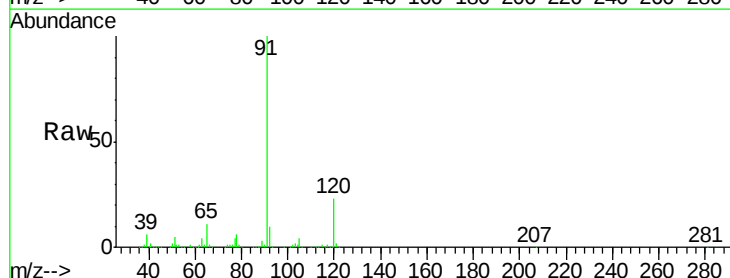
RT: 12.59 min Scan# 3363

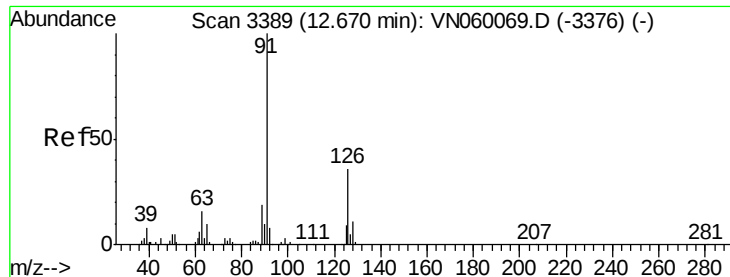
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	91	Resp:	598592
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 46.632 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 350648

Ion Ratio Lower Upper

91 100

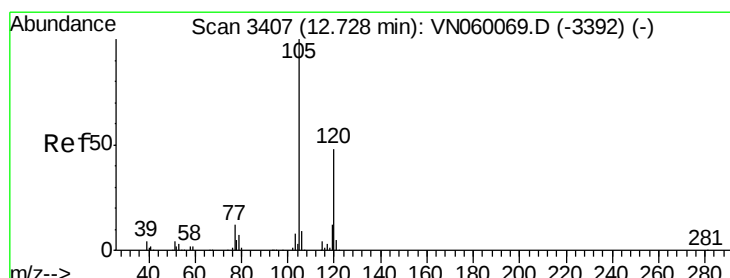
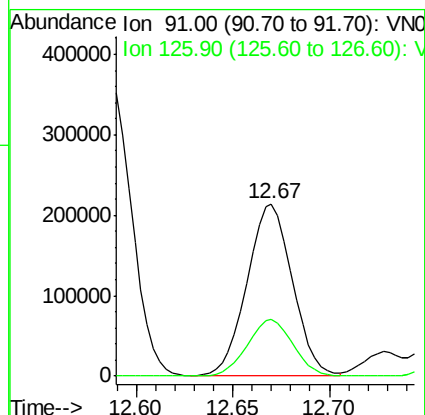
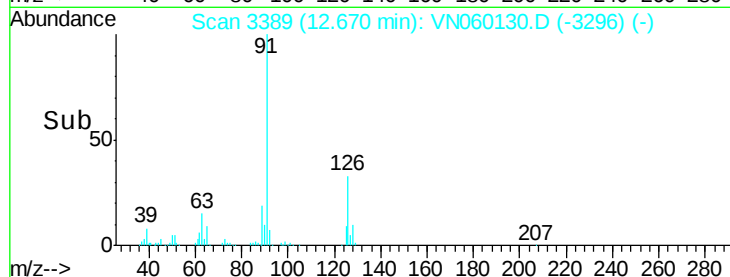
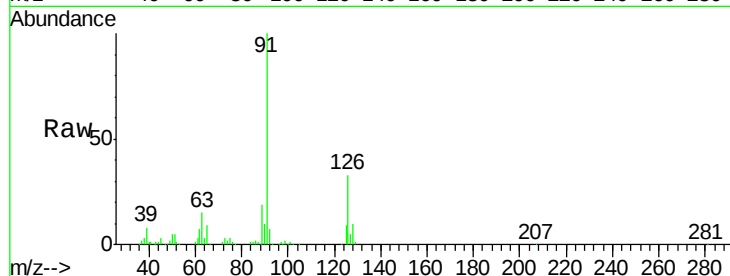
126 33.0 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 46.663 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060130.D

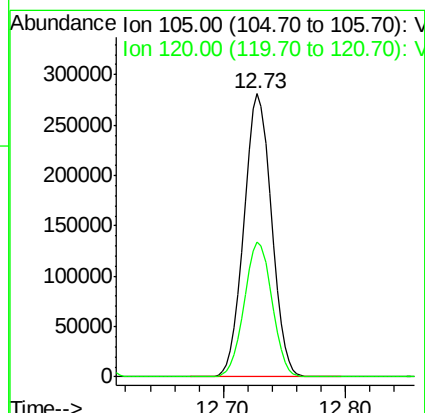
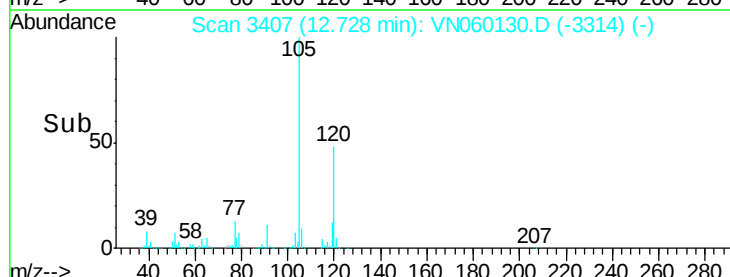
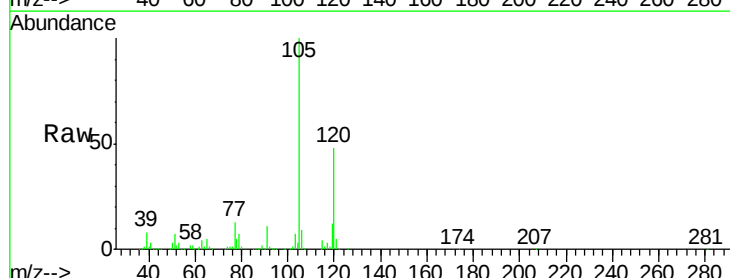
Acq: 17 Feb 2020 19:16

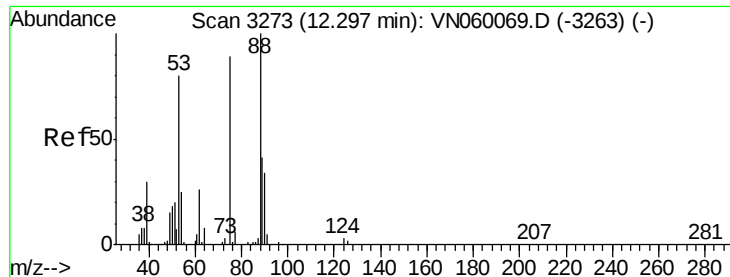
Tgt Ion: 105 Resp: 435651

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 50.997 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

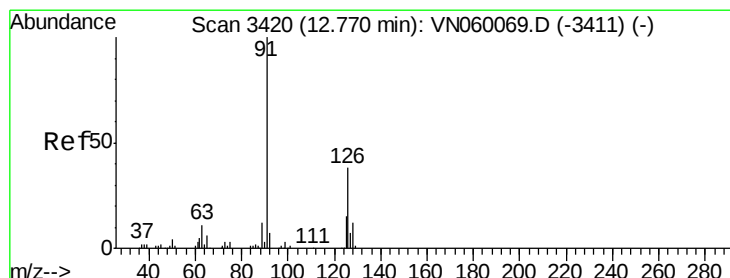
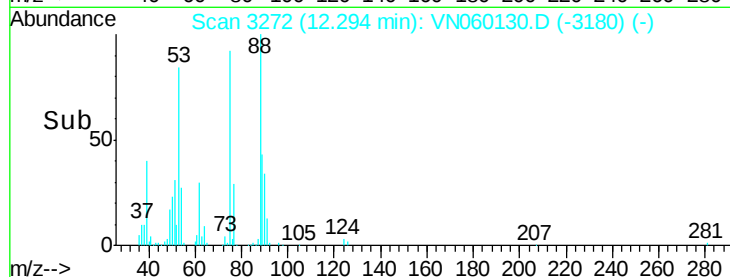
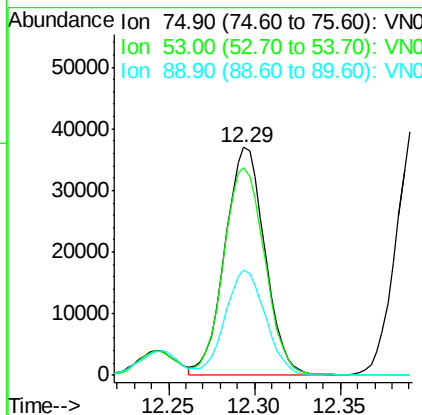
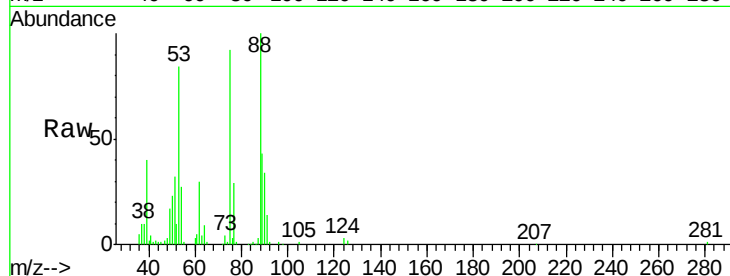
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	59919
Ion	Ratio	Lower	Upper
75	100		
53	94.0	73.9	110.9
89	46.5	37.0	55.4

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#82

4-Chlorotoluene

Concen: 46.489 ug/l

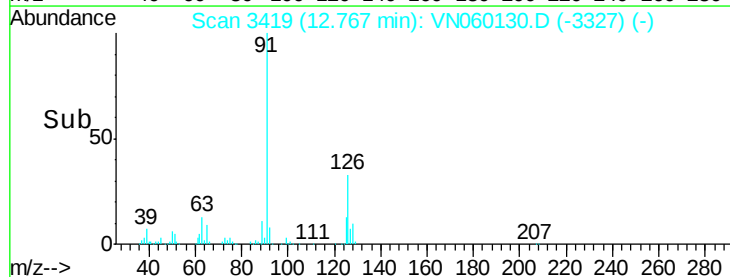
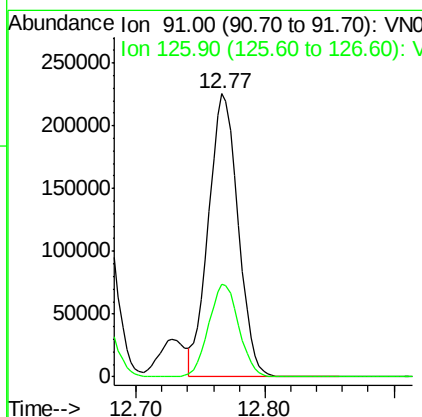
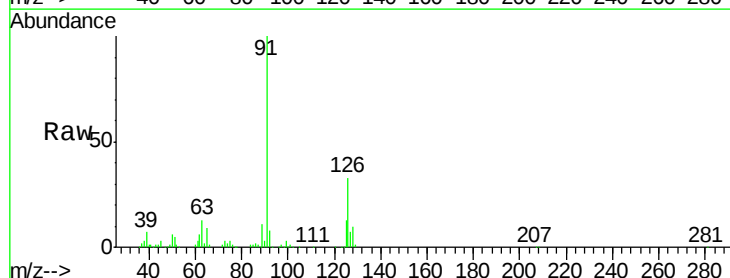
RT: 12.77 min Scan# 3419

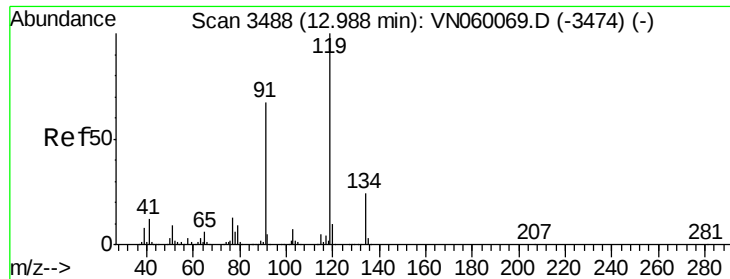
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	91	Resp:	358648
Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.1	51.3





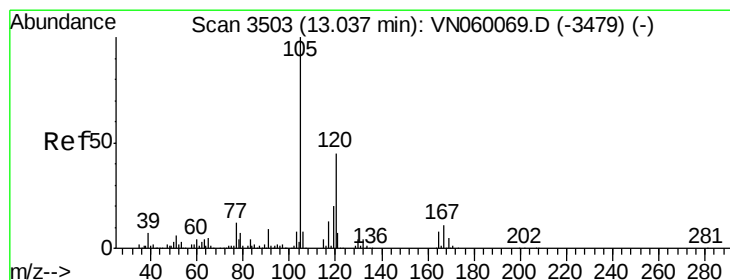
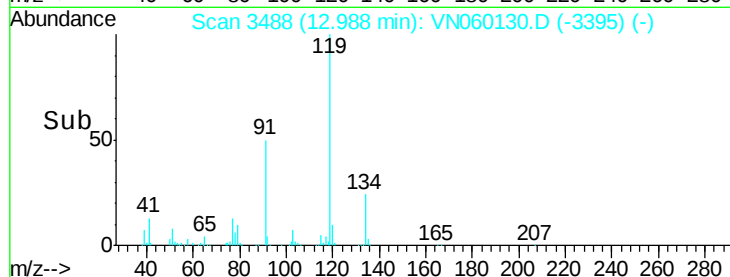
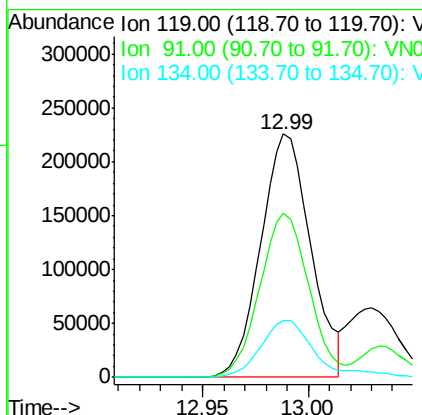
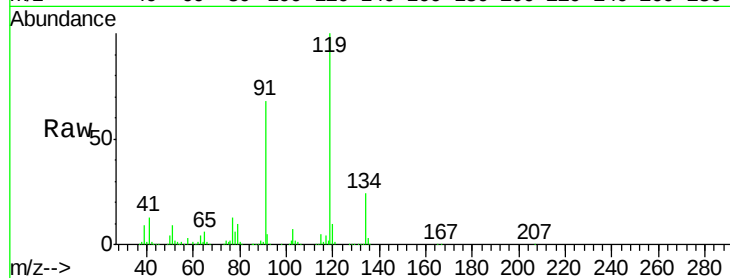
#83
 tert-Butylbenzene
 Concen: 45.068 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.7	98.1
134	25.2	12.9	38.7

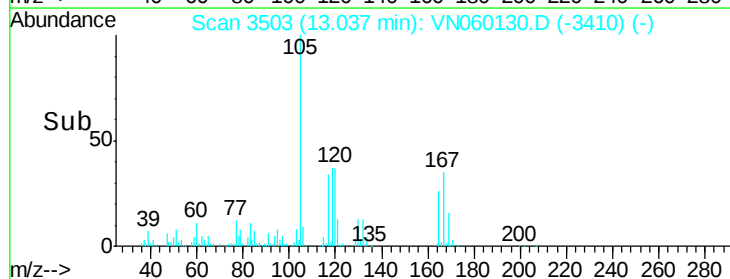
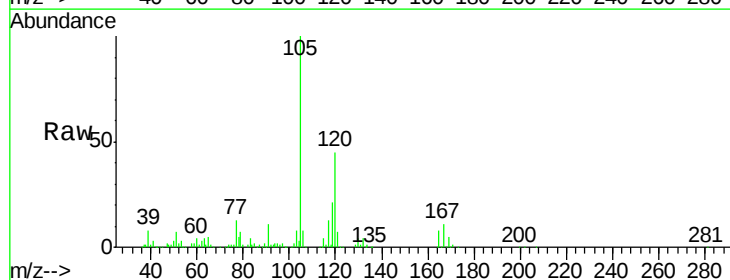
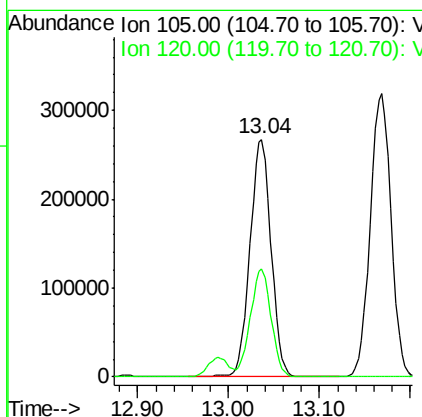
Manual Integrations
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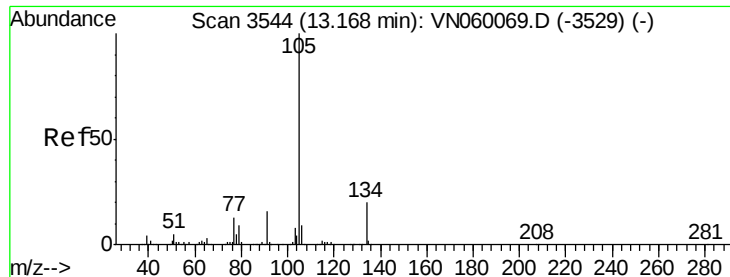
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.684 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060130.D
 Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 46.262 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

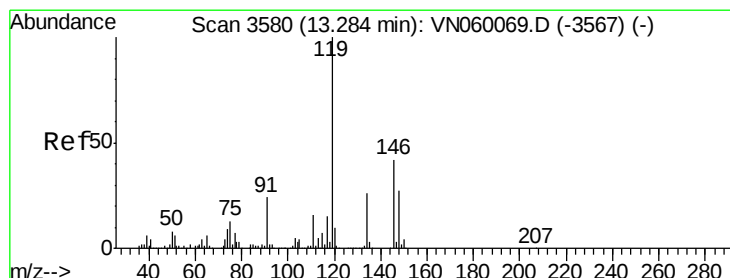
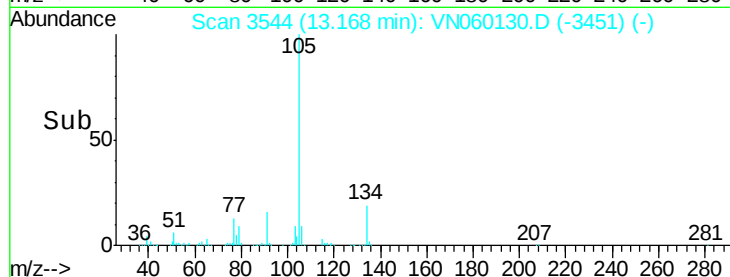
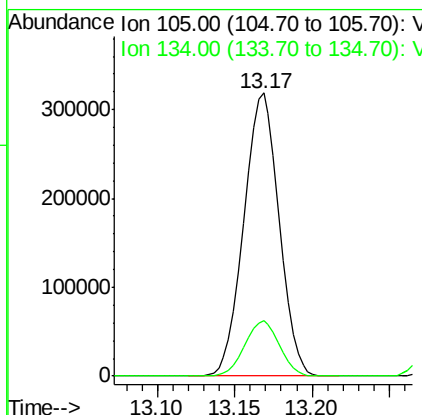
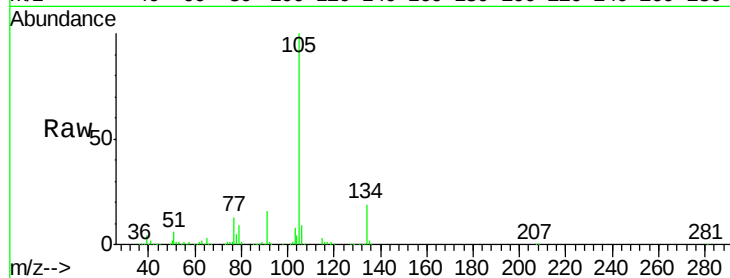
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	506008		
134	19.3	9.9	29.7	

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#86

p-Isopropyltoluene

Concen: 46.034 ug/l

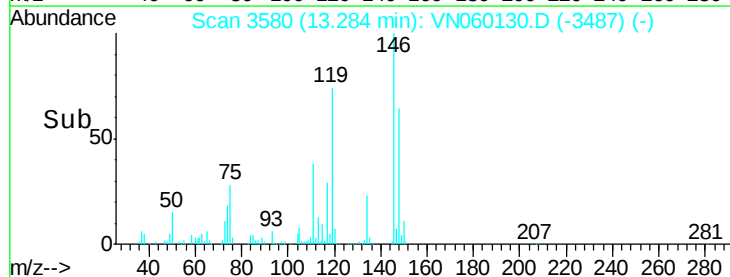
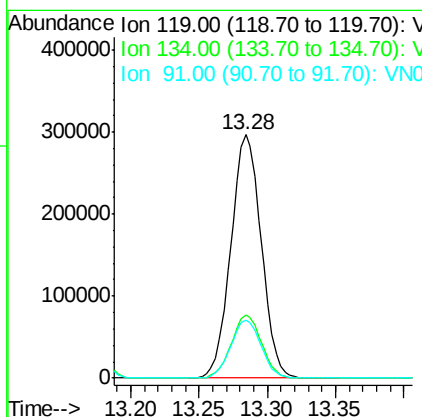
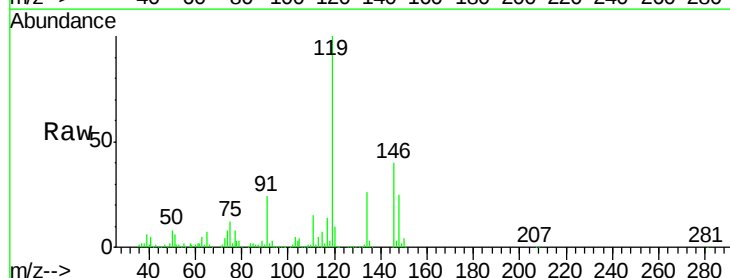
RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	456198		
134	26.1	13.3	39.8	
91	24.1	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 45.797 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060130.D

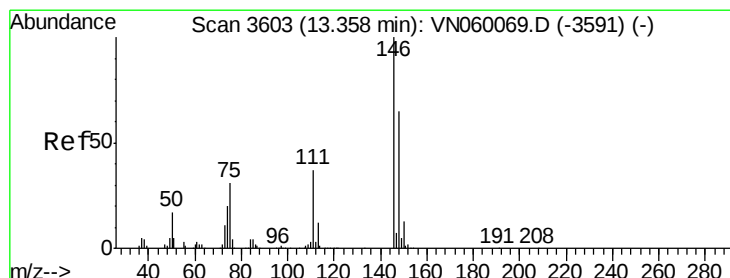
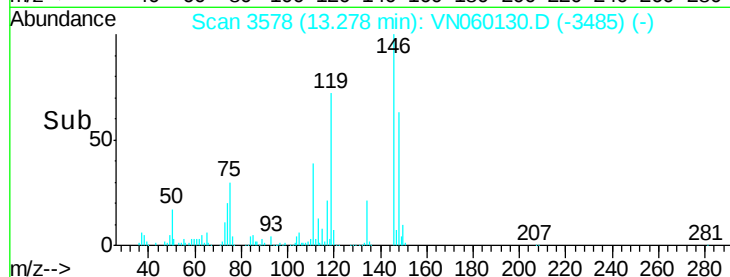
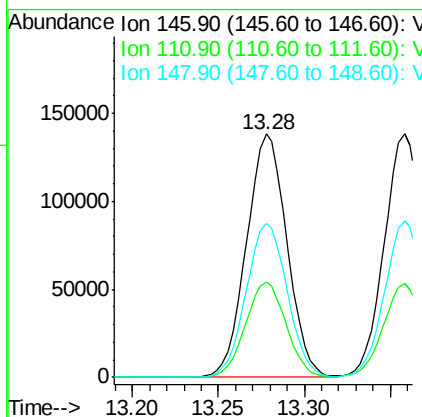
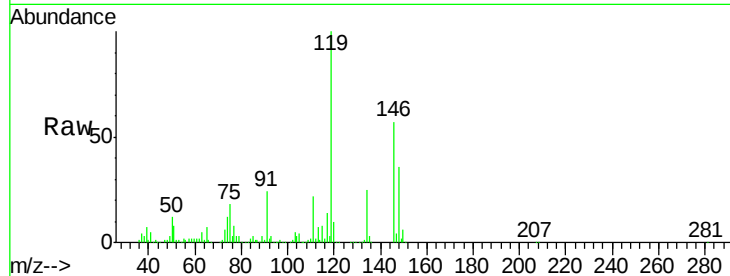
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	64.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 45.780 ug/l

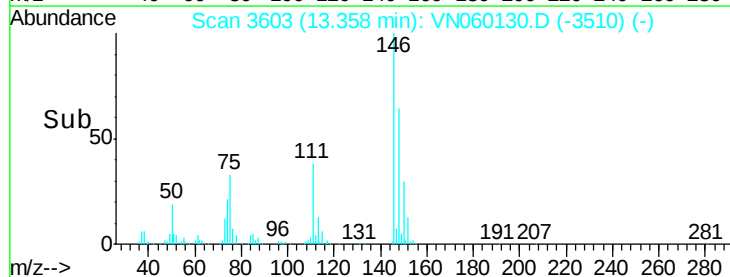
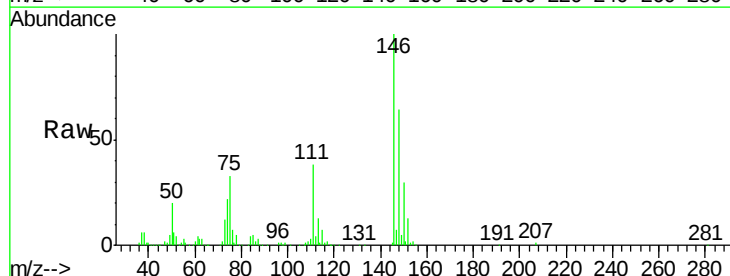
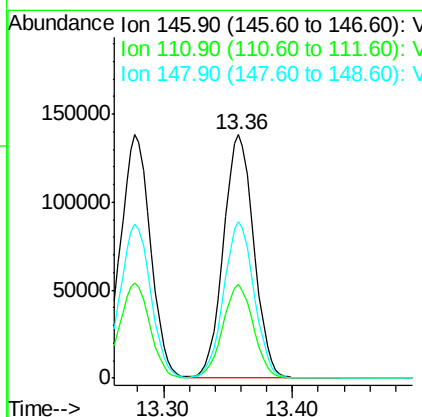
RT: 13.36 min Scan# 3603

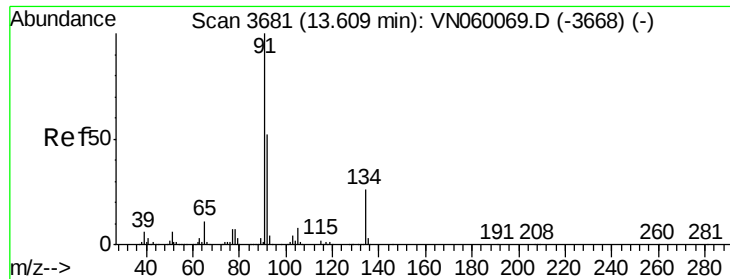
Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.2	32.0	96.0





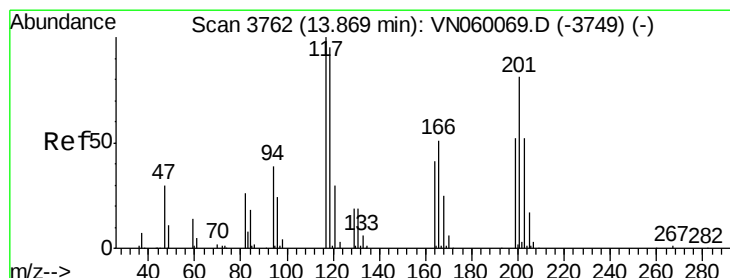
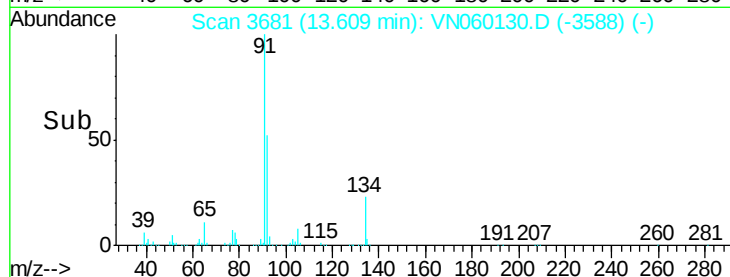
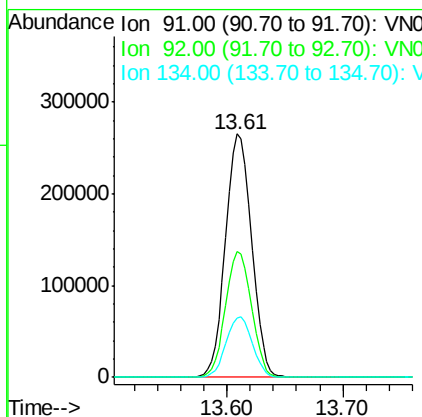
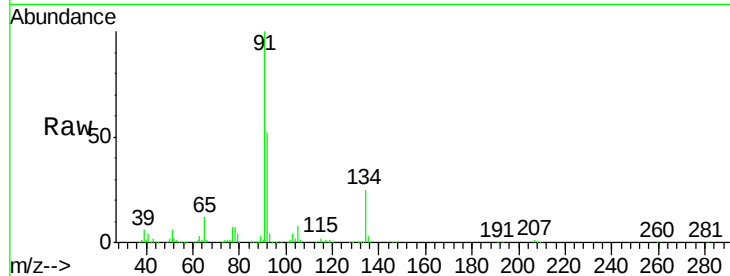
#89
n-Butylbenzene
Concen: 47.317 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	25.0	13.1	39.3

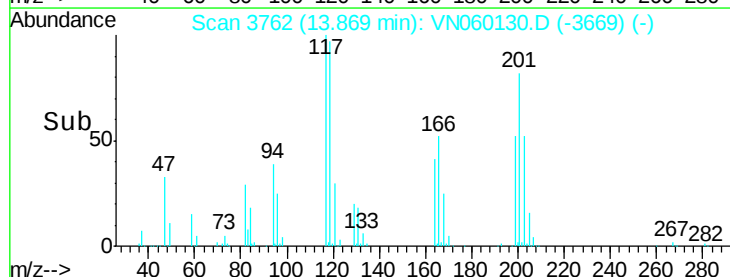
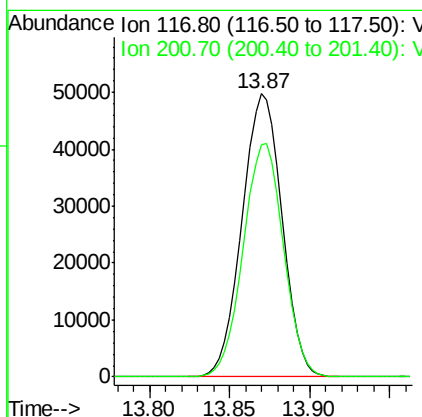
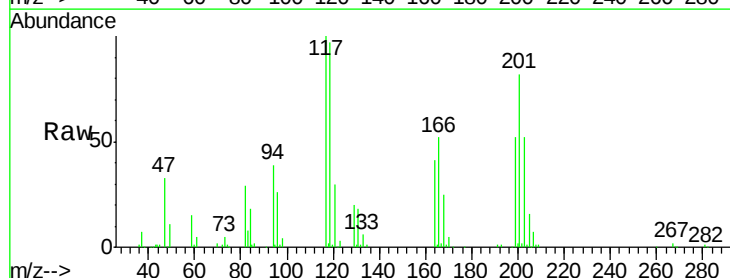
Manual Integrations
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#90
Hexachloroethane
Concen: 45.810 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 45.094 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Instrument :

MSVOA_N

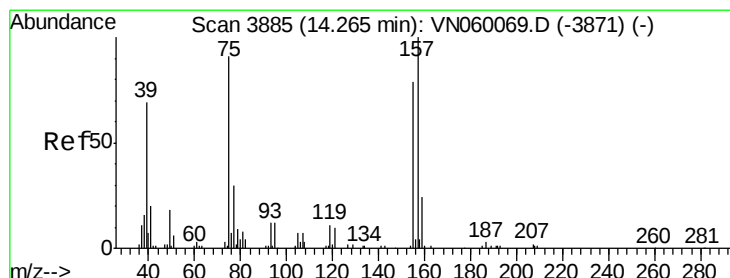
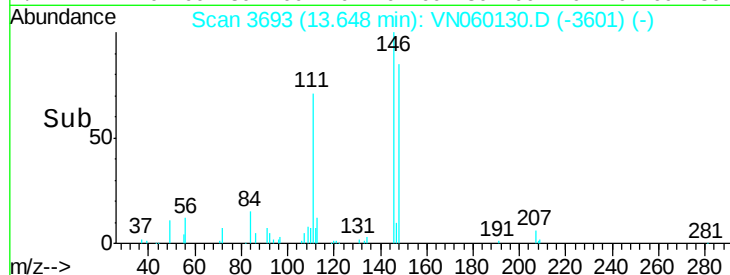
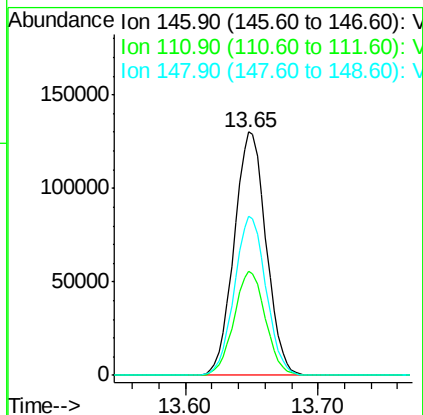
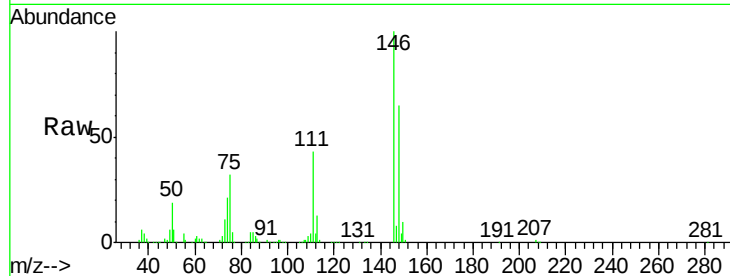
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	217681
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.1	60.2
148	64.7	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.394 ug/l

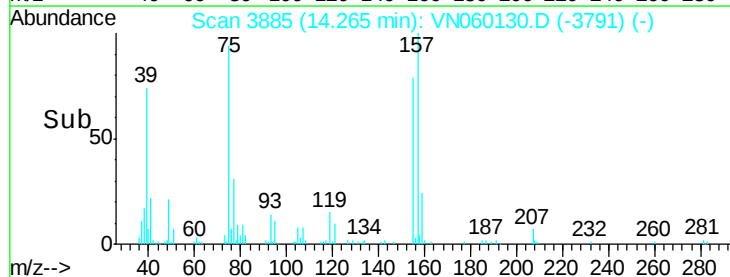
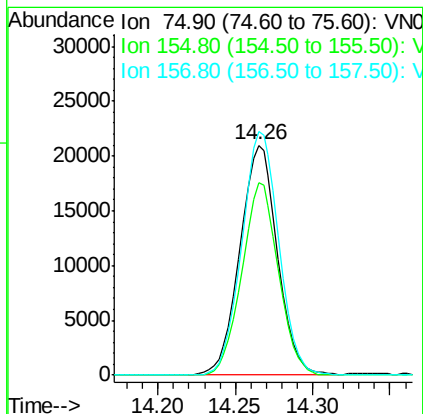
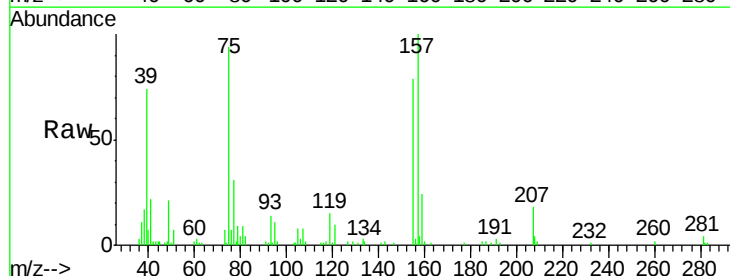
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060130.D

Acq: 17 Feb 2020 19:16

Tgt Ion:	75	Resp:	35304
Ion Ratio	Lower	Upper	
75	100		
155	81.4	43.0	129.0
157	104.4	54.9	164.5





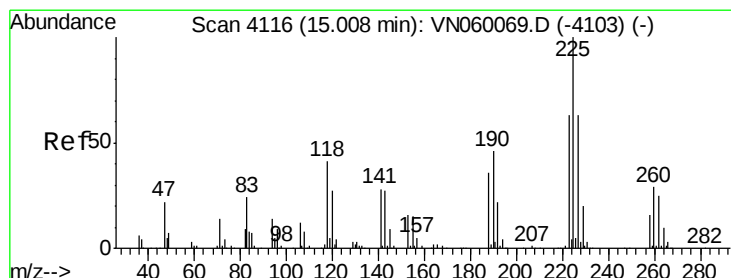
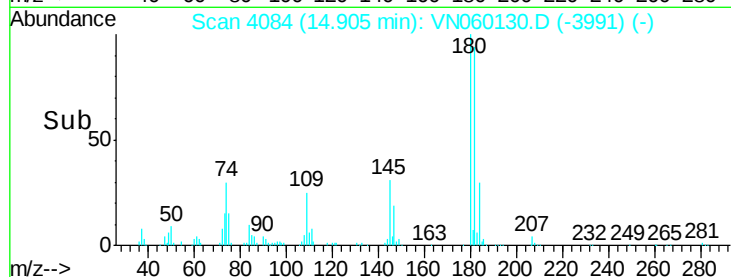
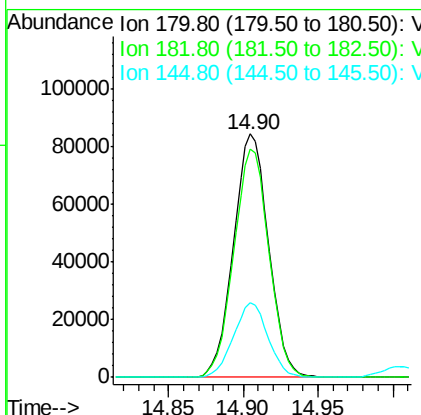
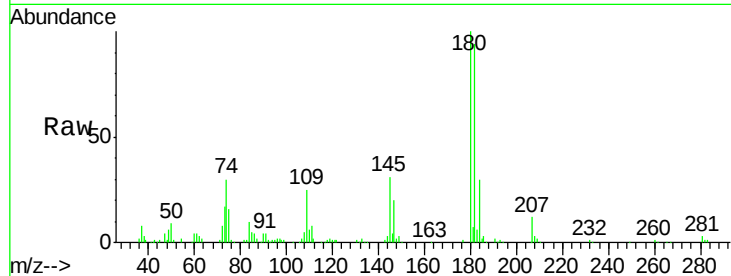
#93
1,2,4-Trichlorobenzene
Concen: 48.436 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.8
145	30.1	15.2	45.5

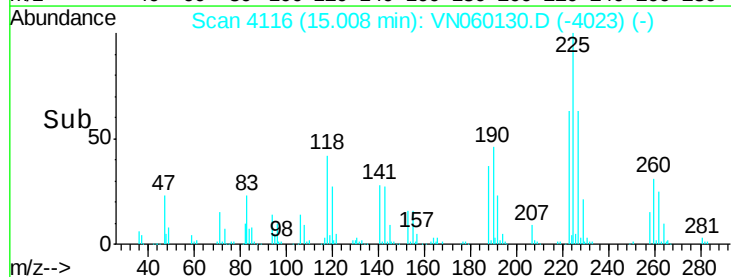
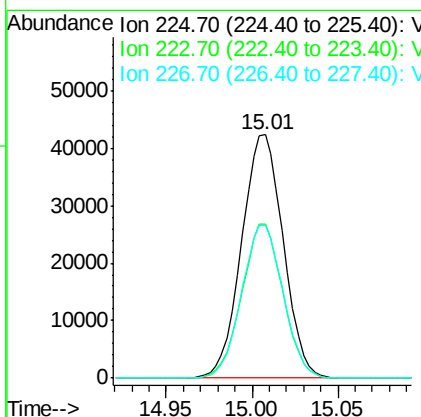
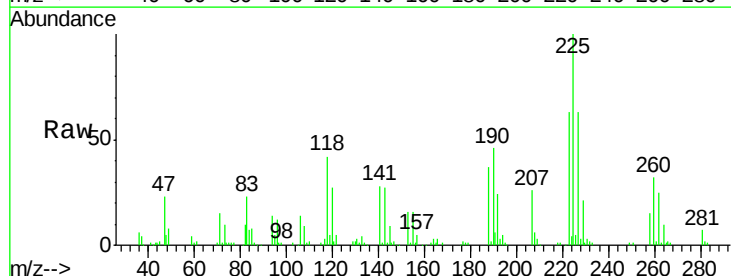
Manual Integrations
APPROVED

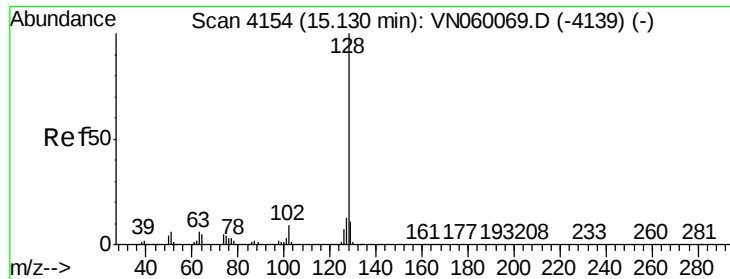
MMDadoda
2/18/2020 9:27:11 AM



#94
Hexachlorobutadiene
Concen: 42.763 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	62.8	31.8	95.4





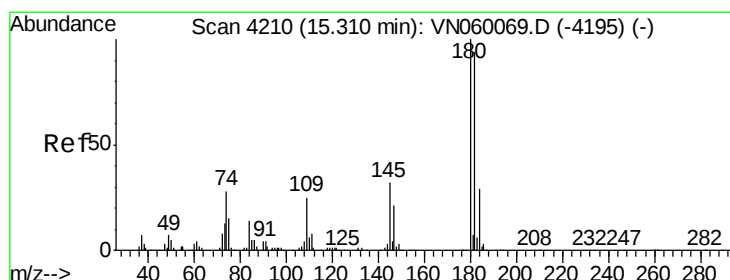
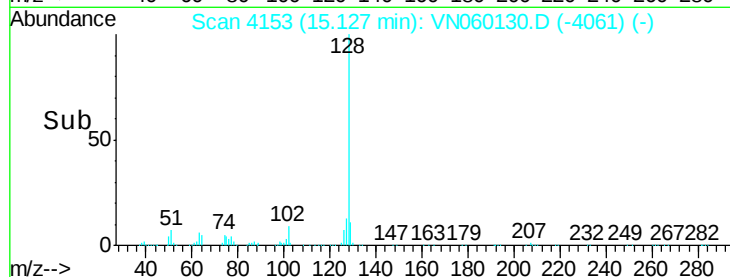
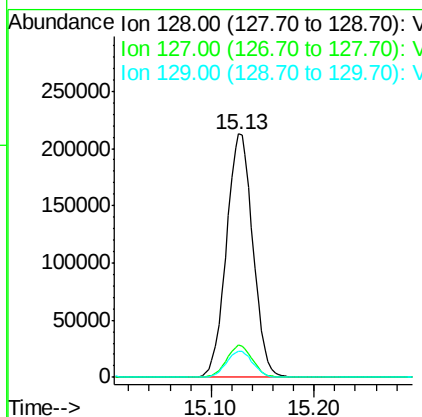
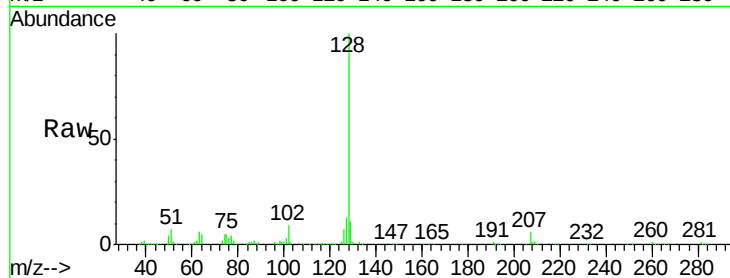
#95
Naphthalene
Concen: 49.551 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:27:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.204 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060130.D
Acq: 17 Feb 2020 19:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	33.1	16.1	48.3

