

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038206.D
 Acq On : 17 Dec 2021 2:18
 Operator : SY/AP
 Sample : M5119-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 18 04:08:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	823906	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2509354	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	1359481	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2828803	28.85	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	288.50%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	25047732	184.048	ppbv # 35
3) Chlorodifluoromethane	3.00	51	2528510	14.614	ppbv 96
4) Chloromethane	3.15	50	385334	6.542	ppbv # 75
5) Vinyl Chloride	3.27	62	45861	0.794	ppbv 91
7) Chloroethane	3.57	64	9111	0.444	ppbv # 86
8) Dichlorotetrafluoroethane	3.06	85	25047732	185.014	ppbv # 13
9) Propene	3.02	41	8330393	130.730	ppbv 84
10) Heptane	8.14	43	7025254	44.608	ppbv 97
11) Trichlorofluoromethane	3.96	101	106958	0.826	ppbv 99
13) Ethanol	3.61	45	302486	49.121	ppbv 86
15) Acetone	3.85	43	9307715	130.298	ppbv # 85
16) 1,3-Butadiene	3.32	39	3739031	67.093	ppbv # 35
17) tert-Butyl alcohol	4.31	59	96744	1.116	ppbv # 71
18) 1,1-Dichloroethene	4.30	96	1314	0.031	ppbv # 1
19) Isopropyl Alcohol	3.98	45	4682082	90.714	ppbv # 1
20) Methylene Chloride	4.36	84	1561477	39.026	ppbv 96
21) Allyl Chloride	4.41	41	94887	1.435	ppbv # 1
22) trans-1,2-Dichloroethene	4.90	96	4641	0.109	ppbv # 58
23) Vinyl Acetate	5.07	43	117978	1.141	ppbv # 1
24) 1,1-Dichloroethane	5.15	63	7903	0.092	ppbv # 90
25) Ethyl Acetate	5.70	43	1299305	5.473	ppbv # 87
26) Hexane	5.70	57	1285234	11.232	ppbv # 53
27) Carbon Disulfide	4.56	76	91655	0.894	ppbv # 89
30) Cyclohexane	7.14	84	94038	0.905	ppbv # 1
31) cis-1,2-Dichloroethene	5.56	61	3693	0.034	ppbv 96
34) 2-Butanone	5.25	43	5083187	50.237	ppbv 97
36) Benzene	6.90	78	754864	3.016	ppbv 99
38) Trichloroethene	7.85	130	7993	0.085	ppbv # 84
39) 1,2-Dichloropropane	7.19	63	581030	6.051	ppbv # 26
41) Tetrahydrofuran	6.02	42	888379	14.144	ppbv # 38
42) Bromodichloromethane	7.81	83	79239	0.431	ppbv # 26
43) Methyl Methacrylate	8.02	69	300998	3.515	ppbv 99
44) 2,2,4-Trimethylpentane	7.88	57	104583	0.250	ppbv # 1
47) 1,1,2-Trichloroethane	9.59	97	292581	2.909	ppbv # 53
50) 4-Methyl-2-Pentanone	8.79	43	1035571	6.739	ppbv 97
51) 2-Hexanone	10.14	43	43273364	598.564	ppbv # 34
52) Tetrachloroethene	11.25	164	5167	0.056	ppbv # 87
53) Toluene	9.82	91	1198786	4.162	ppbv 98
57) Chlorobenzene	12.26	112	4450300	36.523	ppbv # 34
58) Ethyl Benzene	12.77	91	21918530	97.547	ppbv # 71
59) m/p-Xylene	13.04	91	28282065	149.522	ppbv # 78

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) o-Xylene	13.75	91	9840395	56.081	ppbv	97
61) Styrene	13.75	104	243494	2.588	ppbv #	1
62) Isopropylbenzene	14.70	105	197207	0.792	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	550654	4.225	ppbv #	57
69) p-Isopropyltoluene	17.66	119	433120	1.811	ppbv	99
71) 2-Chlorotoluene	15.34	91	29364	0.161	ppbv	87
72) 4-Ethyltoluene	15.87	105	22892	0.113	ppbv #	28
73) 1,3,5-Trimethylbenzene	16.01	105	46419	0.250	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	168301	0.879	ppbv #	68

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

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Instrument :
MSVOA_L
ClientSampleId :

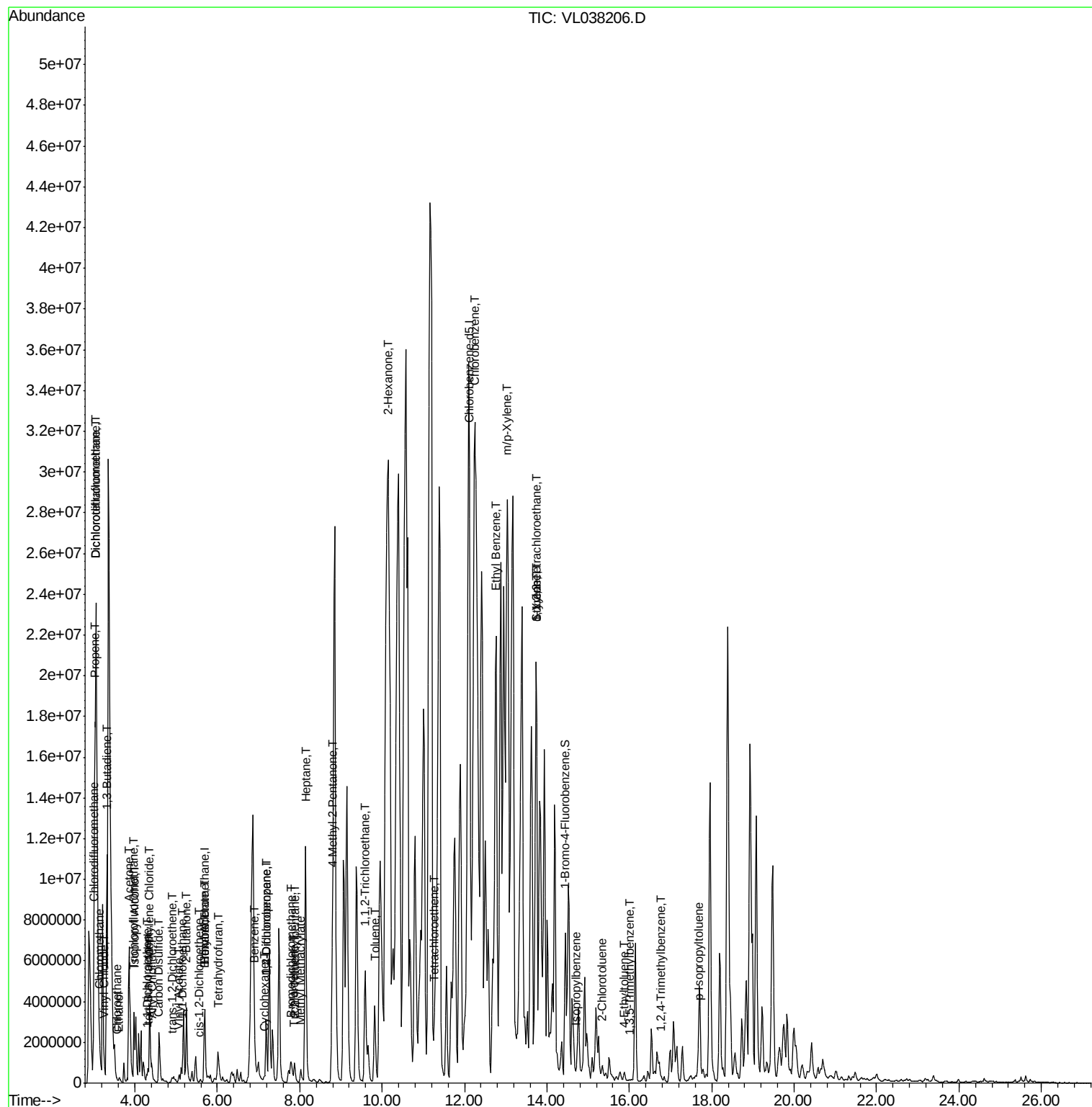
Quant Time: Dec 18 04:08:14 2021

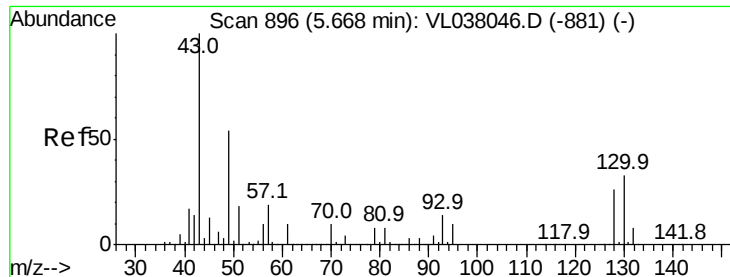
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M

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QLast Update : Thu Nov 18 13:16:09 2021

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 2:18

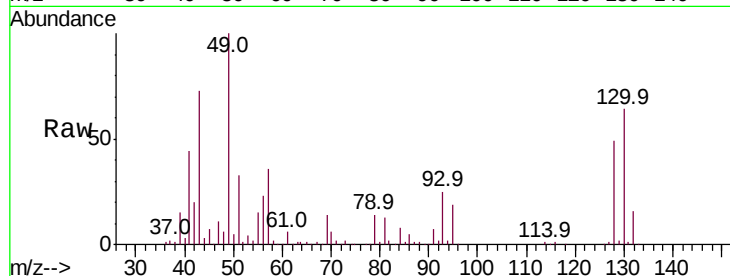
Tot Ion: 49 Resp: 823906

Ion Ratio Lower Upper

49 100

128 50.9 26.5 79.5

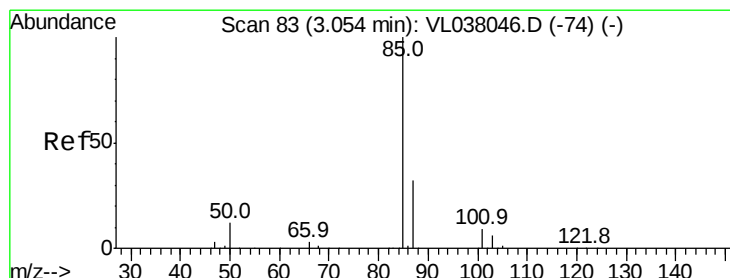
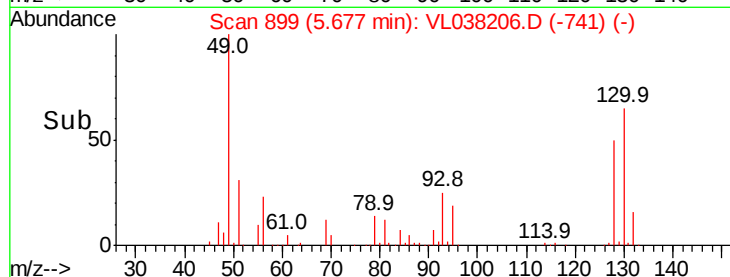
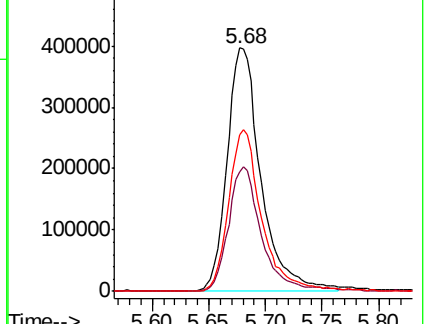
130 65.6 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 184.048 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038206.D

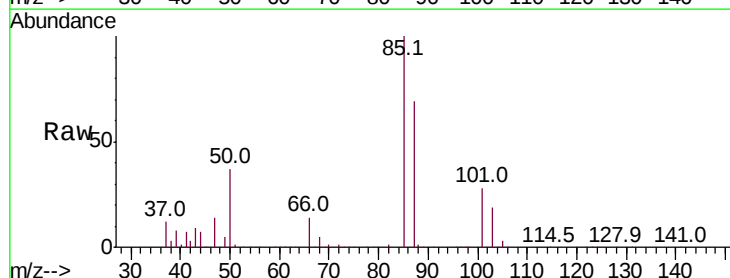
Acq: 17 Dec 2021 2:18

Tgt Ion: 85 Resp: 25047732

Ion Ratio Lower Upper

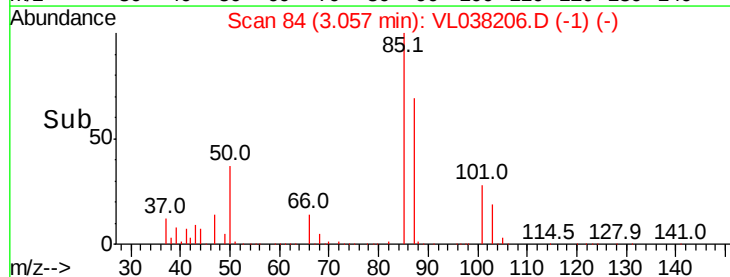
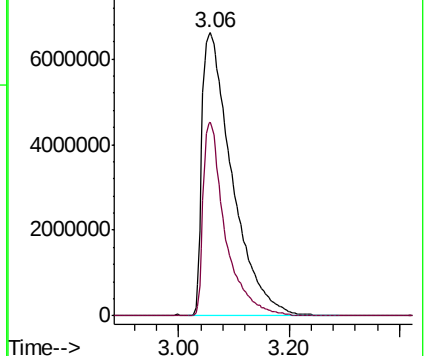
85 100

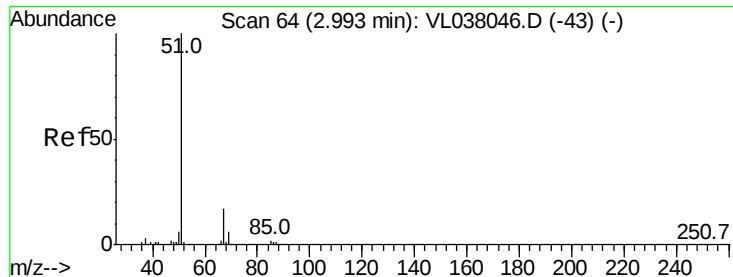
87 68.6 25.8 38.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

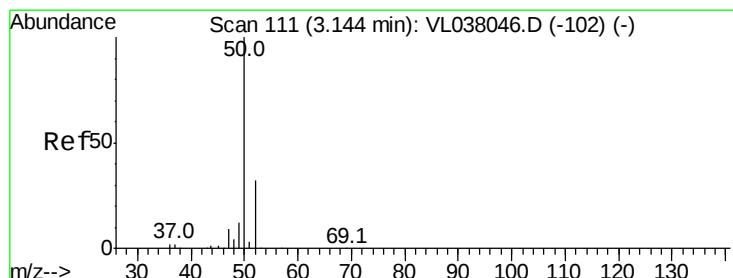
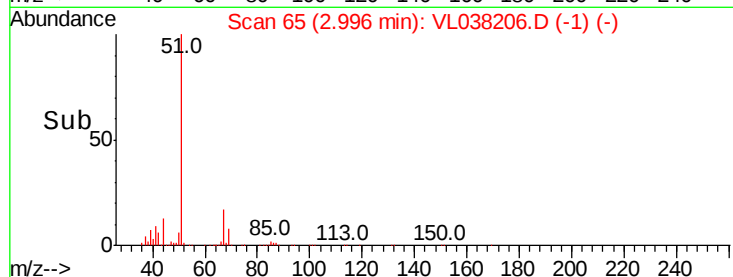
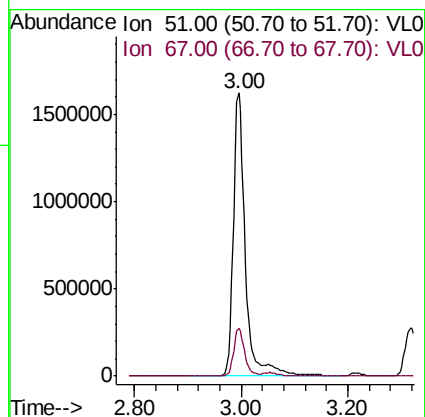
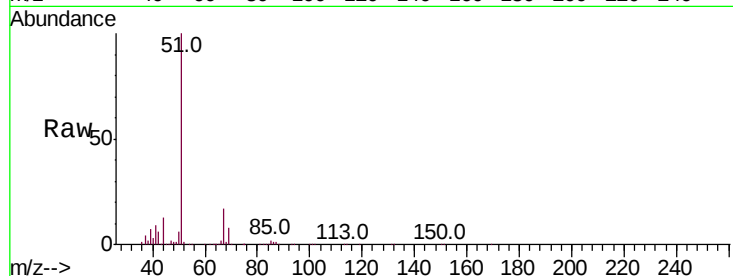
Ion 87.00 (86.70 to 87.70): VL0





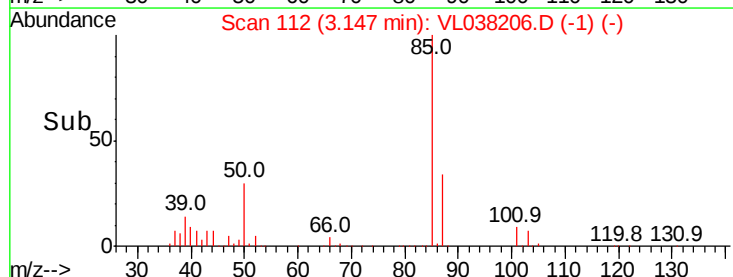
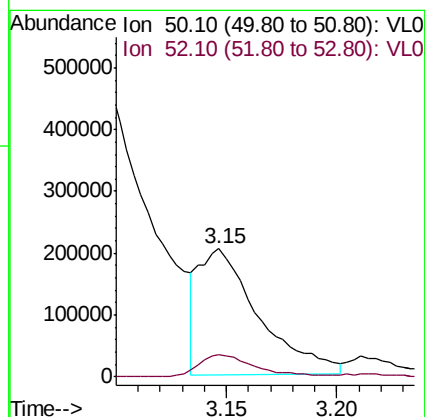
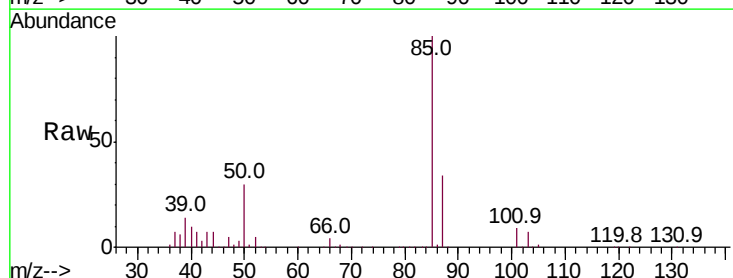
#3
 Chlorodifluoromethane
 Concen: 14.614 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 2:18

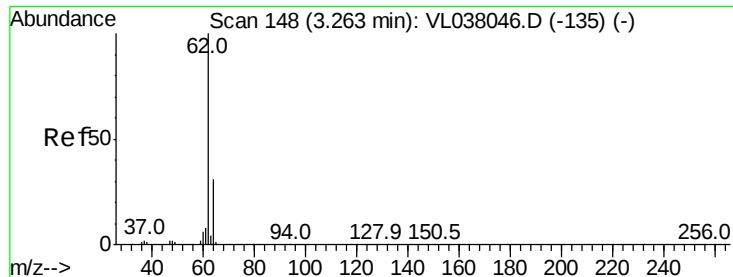
Tot Ion: 51 Resp: 2528510
 Ion Ratio Lower Upper
 51 100
 67 15.6 13.8 20.8



#4
 Chloromethane
 Concen: 6.542 ppbv
 RT: 3.15 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

Tgt Ion: 50 Resp: 385334
 Ion Ratio Lower Upper
 50 100
 52 17.8 25.4 38.0#





#5

Vinyl Chloride

Concen: 0.794 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

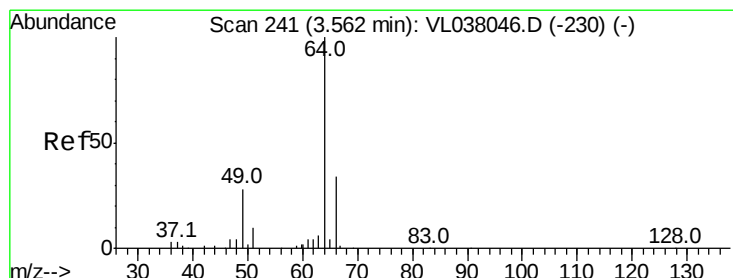
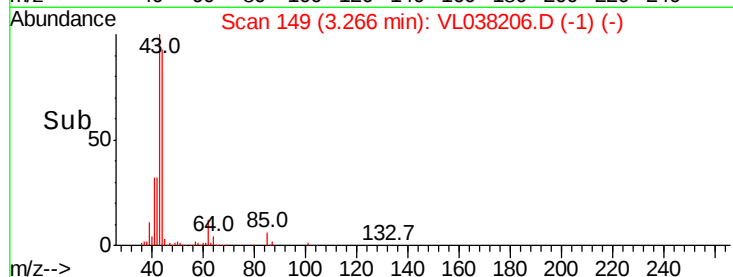
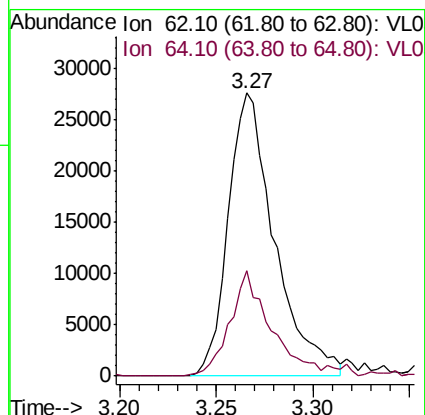
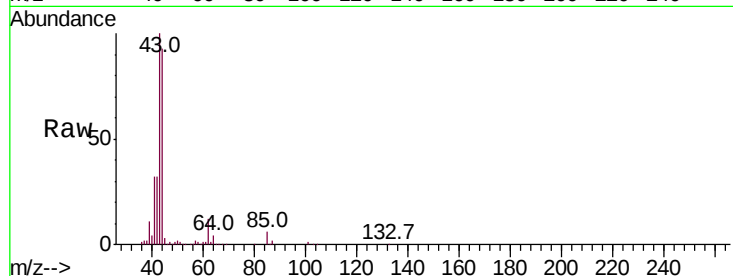
Acq: 17 Dec 2021 2:18

Tot Ion: 62 Resp: 45861

Ion Ratio Lower Upper

62 100

64 36.4 25.1 37.7



#7

Chloroethane

Concen: 0.444 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL038206.D

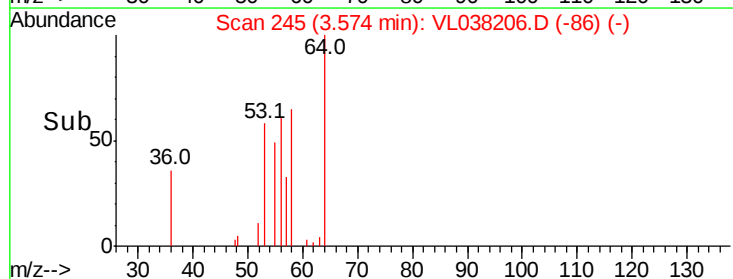
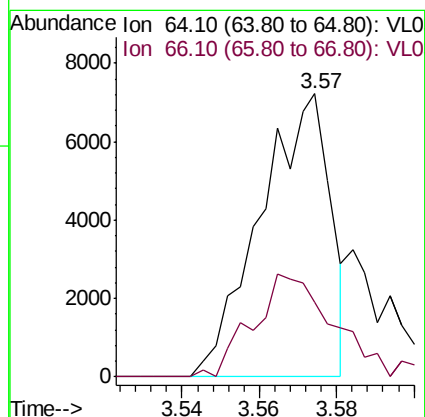
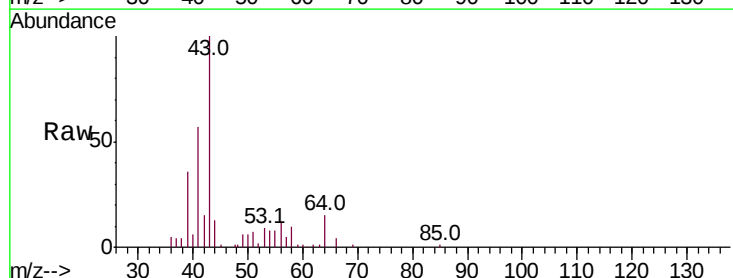
Acq: 17 Dec 2021 2:18

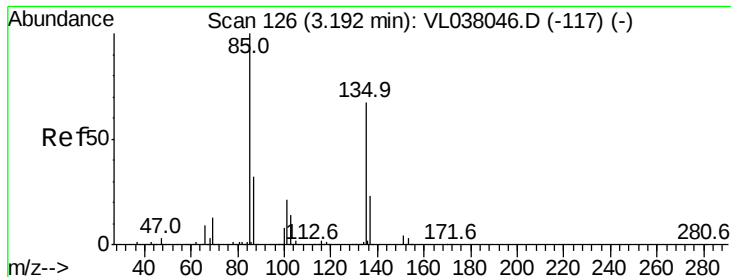
Tgt Ion: 64 Resp: 9111

Ion Ratio Lower Upper

64 100

66 26.2 27.2 40.8#





#8

Dichlorotetrafluoroethane

Concen: 185.014 ppbv

RT: 3.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

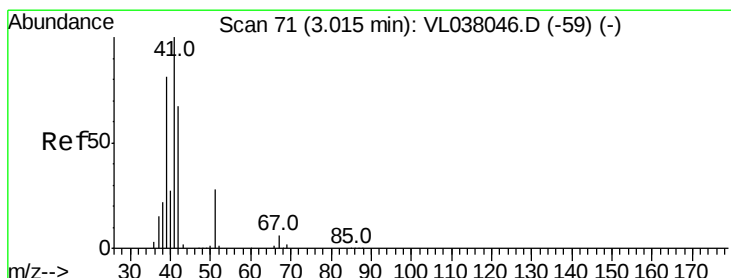
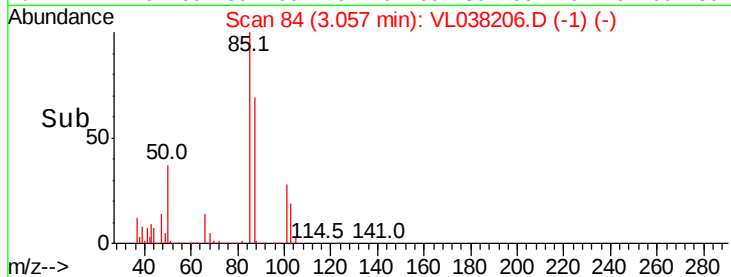
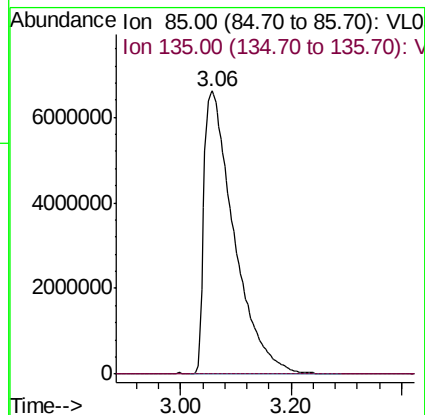
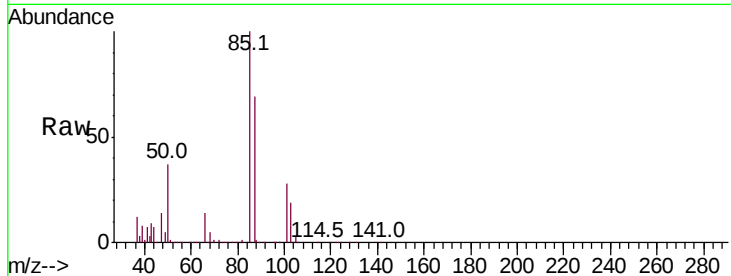
Acq: 17 Dec 2021 2:18

Tot Ion: 85 Resp: 25047732

Ion Ratio Lower Upper

85 100

135 0.0 57.9 86.9#



#9

Propene

Concen: 130.730 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL038206.D

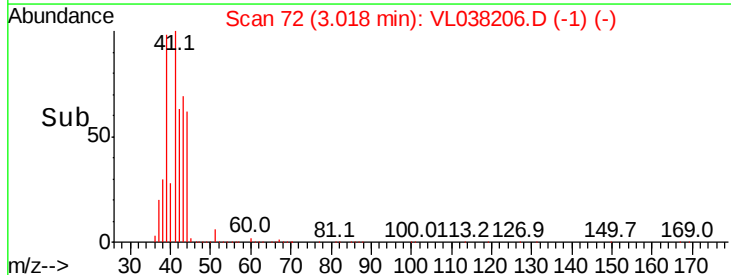
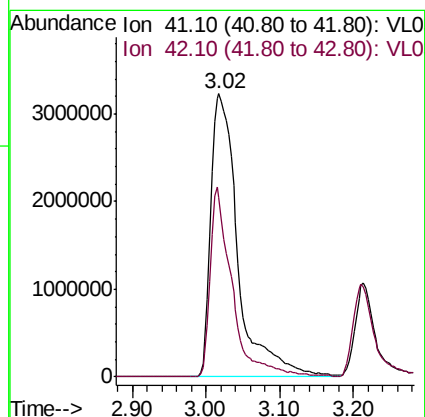
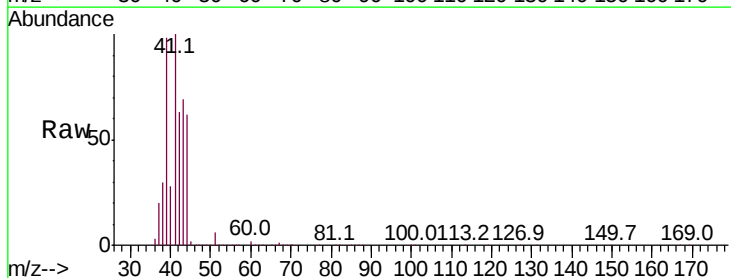
Acq: 17 Dec 2021 2:18

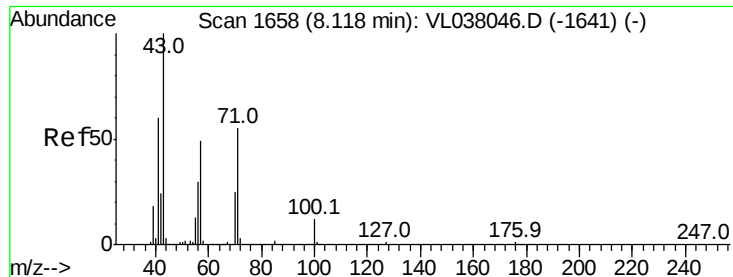
Tgt Ion: 41 Resp: 8330393

Ion Ratio Lower Upper

41 100

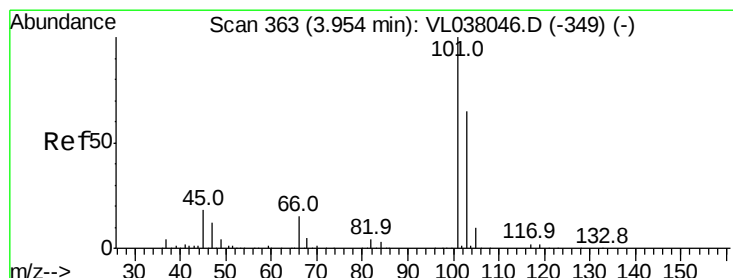
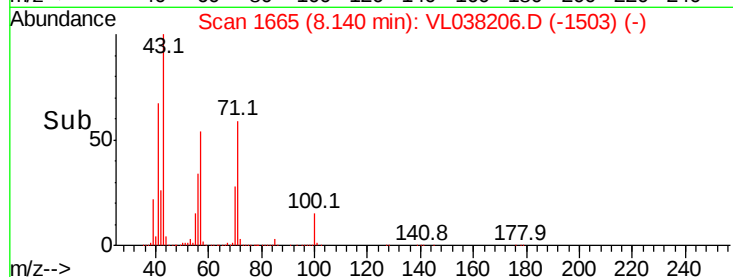
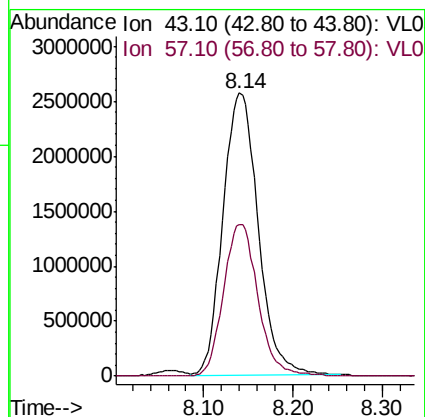
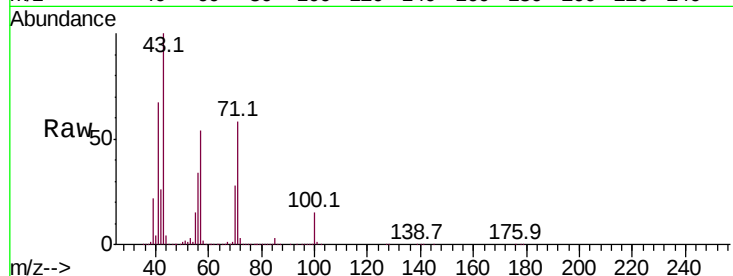
42 54.3 53.8 80.8





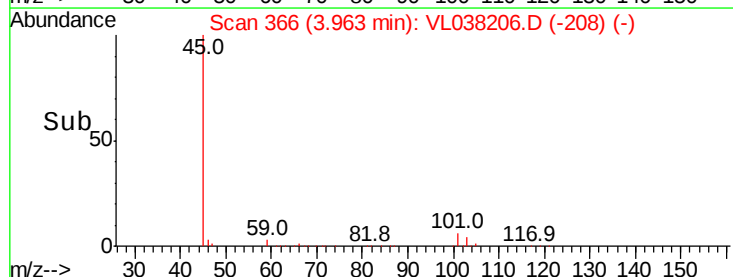
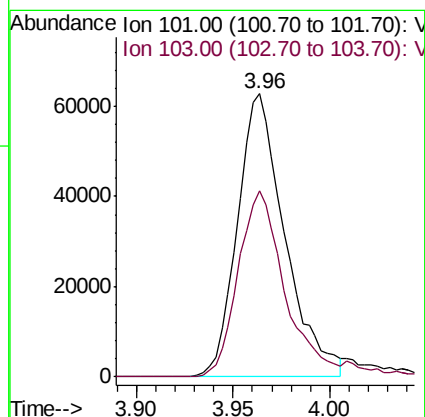
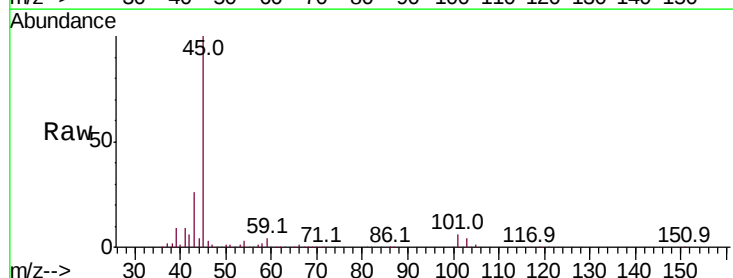
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 Heptane
 Concen: 44.608 ppbv
 RT: 8.14
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 2:18

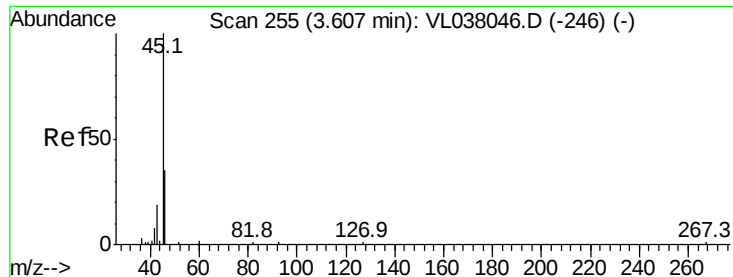
Tot Ion: 43 Resp: 7025254
 Ion Ratio Lower Upper
 43 100
 57 52.8 40.4 60.6



#11
 Trichlorofluoromethane
 Concen: 0.826 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

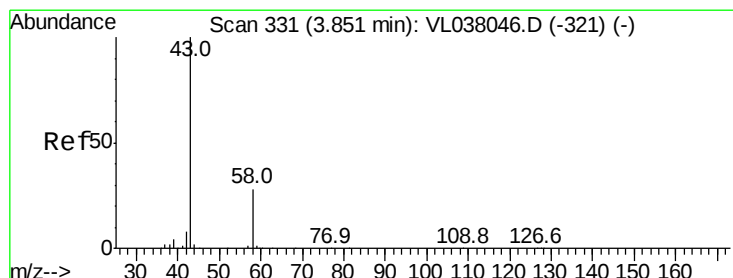
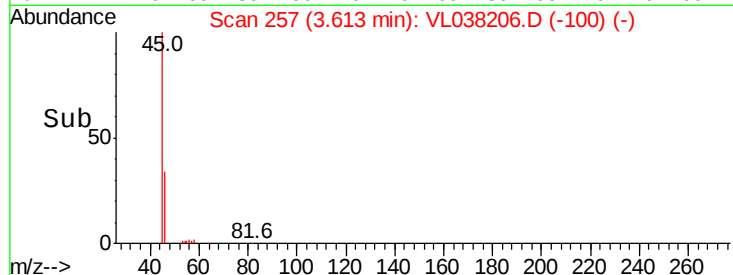
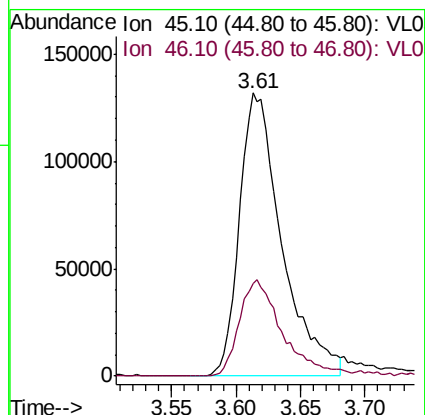
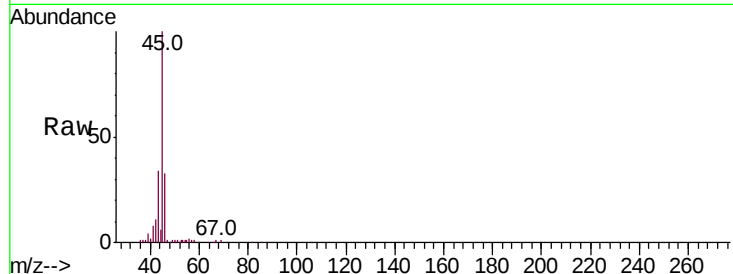
Tgt Ion: 101 Resp: 106958
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6





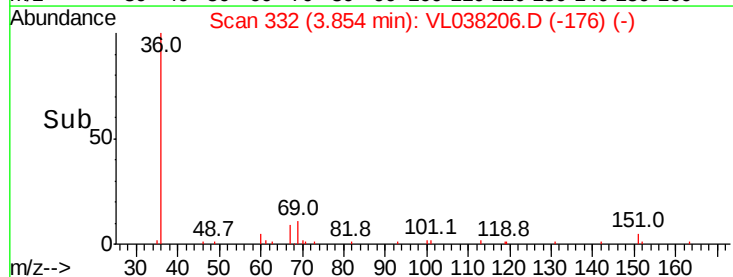
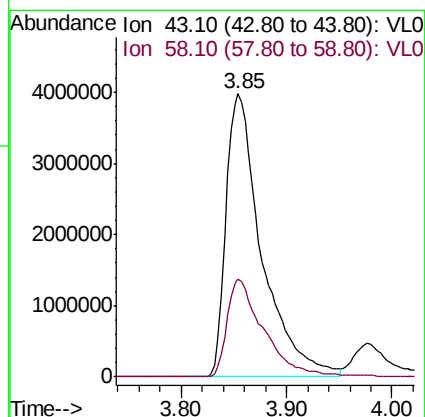
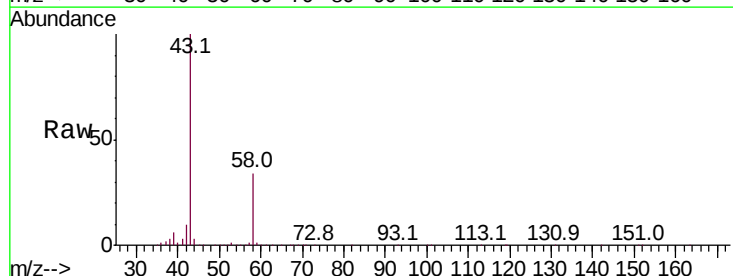
#13
Ethanol
Concen: 49.121 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 2:18

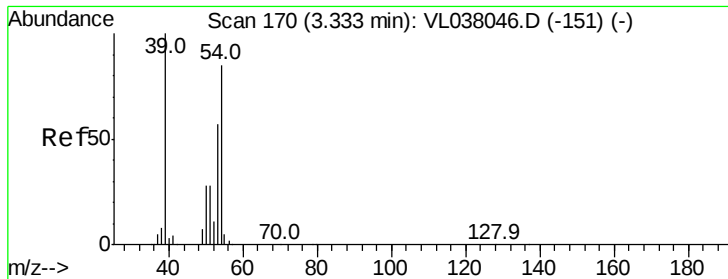
Tot Ion: 45 Resp: 302486
Ion Ratio Lower Upper
45 100
46 34.9 17.6 70.2



#15
Acetone
Concen: 130.298 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL038206.D
Acq: 17 Dec 2021 2:18

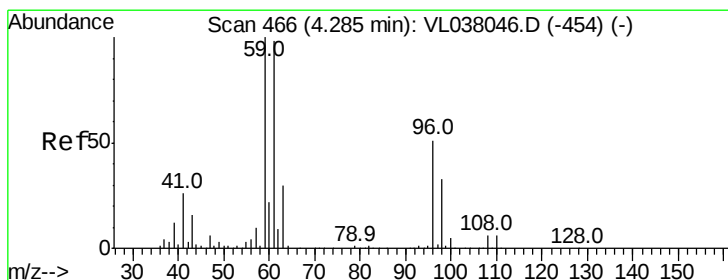
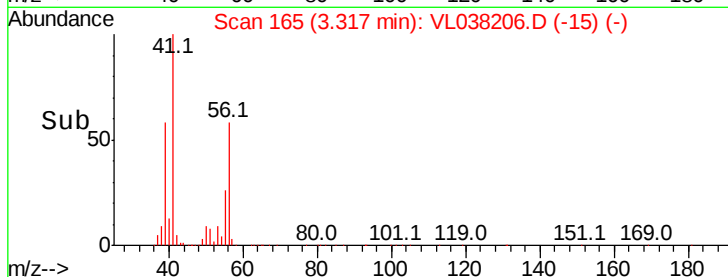
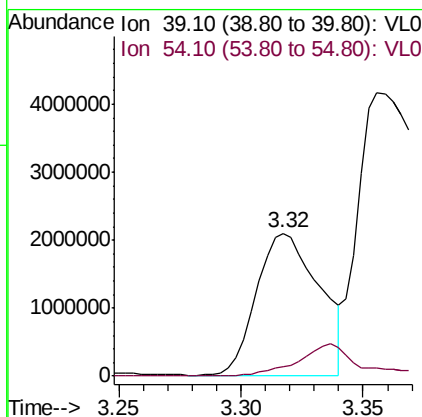
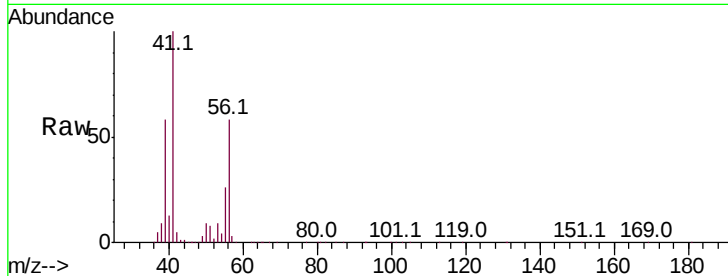
Tgt Ion: 43 Resp: 9307715
Ion Ratio Lower Upper
43 100
58 36.0 22.4 33.6#





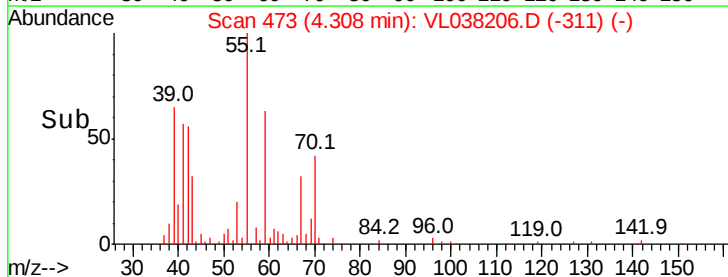
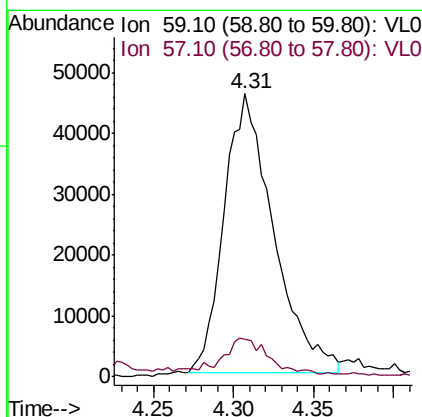
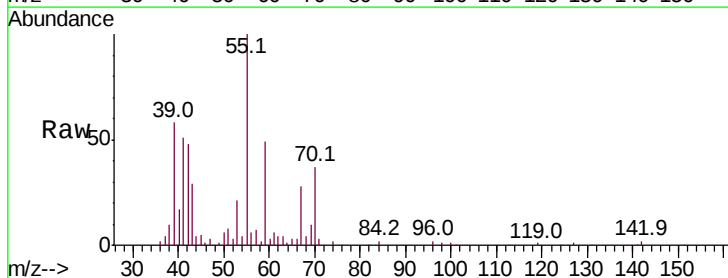
#16
 1,3-Butadiene
 Concen: 67.093 ppbv
 RT: 3.32
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 2:18

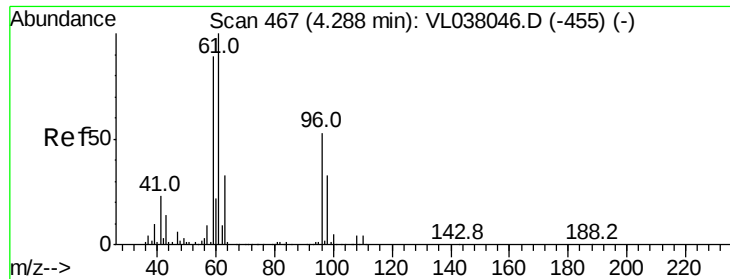
Tot Ion: 39 Resp: 3739031
 Ion Ratio Lower Upper
 39 100
 54 23.4 64.4 96.6#



#17
 tert-Butyl alcohol
 Concen: 1.116 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. 0.02 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

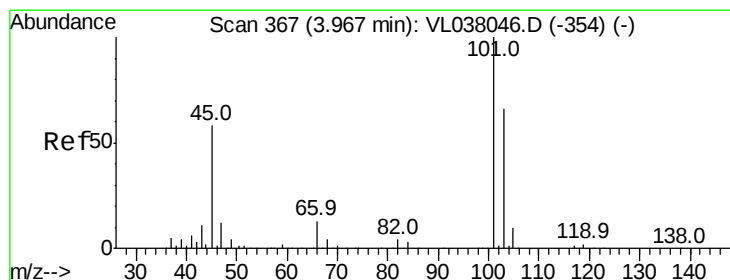
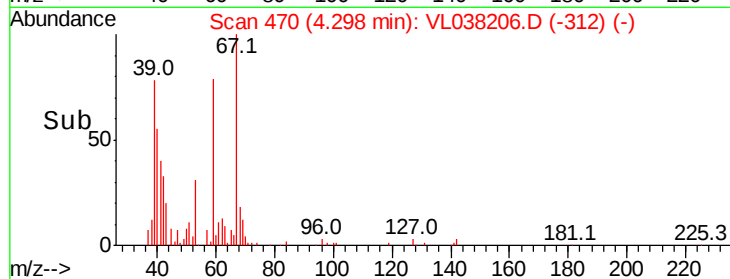
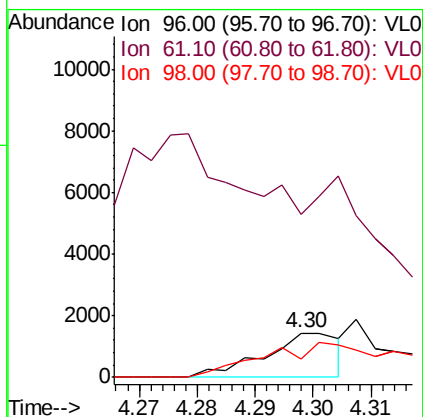
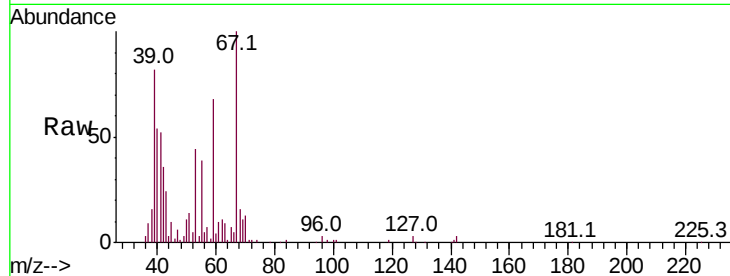
Tgt Ion: 59 Resp: 96744
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#





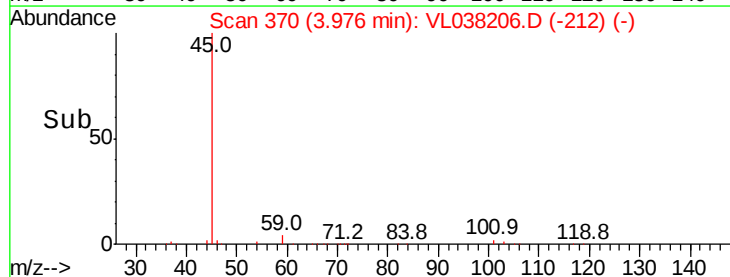
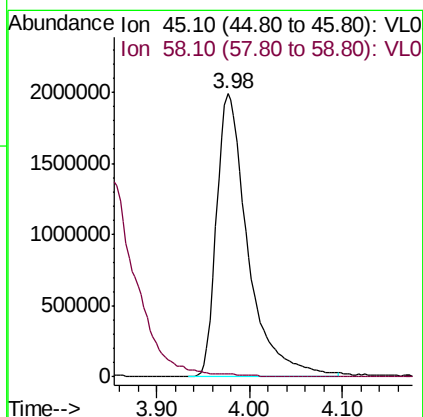
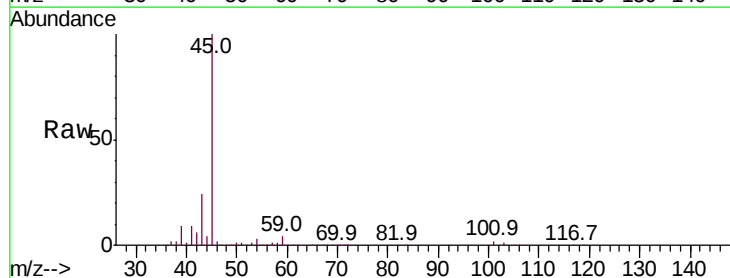
#18
 1,1-Dichloroethene
 Concen: 0.031 ppbv
 RT: 4.30 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 2:18

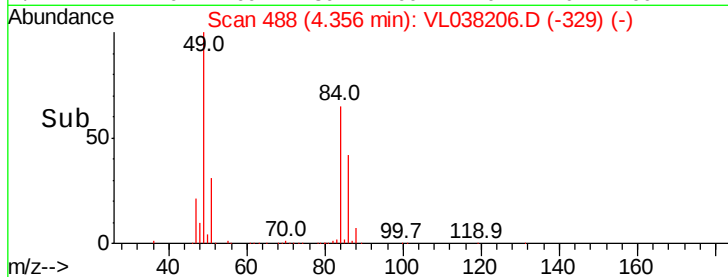
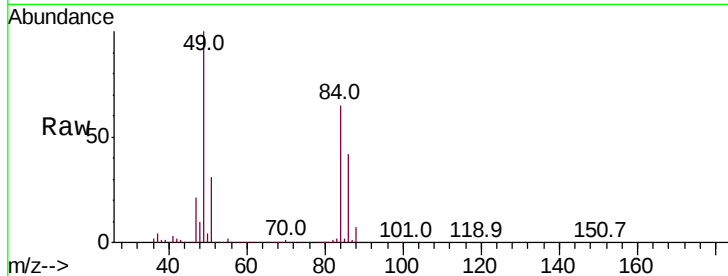
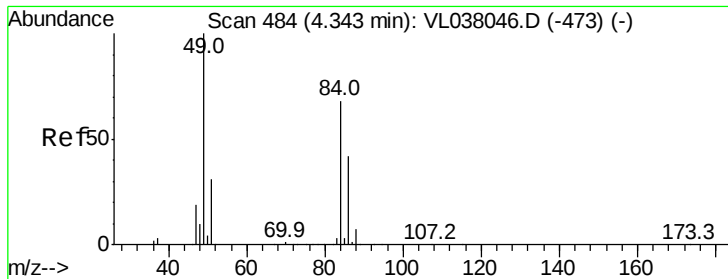
Tot Ion	96	Resp	1314
Ion	Ratio	Lower	Upper
96	100		
61	0.0	149.8	224.8#
98	40.0	50.2	75.2#



#19
 Isopropyl Alcohol
 Concen: 90.714 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

Tgt Ion	45	Resp	4682082
Ion	Ratio	Lower	Upper
45	100		
58	71.7	1.4	2.0#

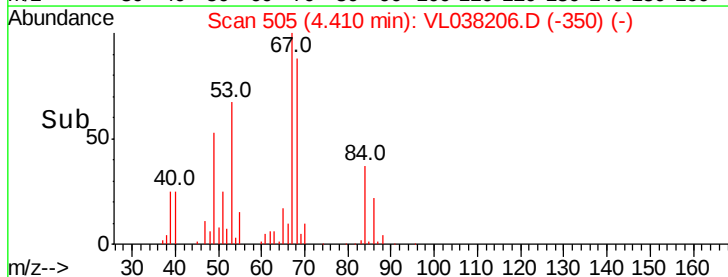
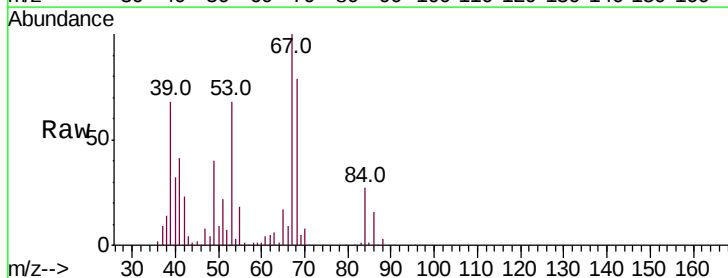
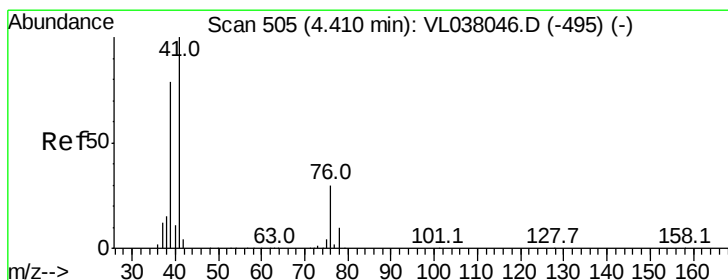
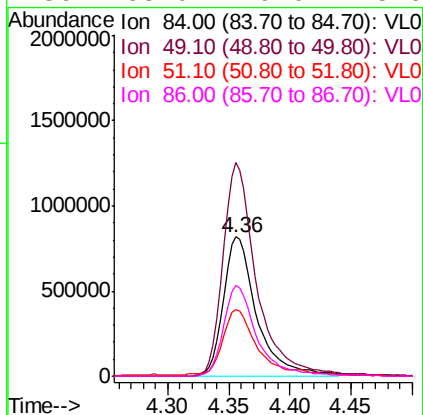




#20
Methvlene Chloride
Concen: 39.026 ppbv
RT: 4.36
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 17 Dec 2021 2:18

Tot Ion: 84 Resp: 1561477

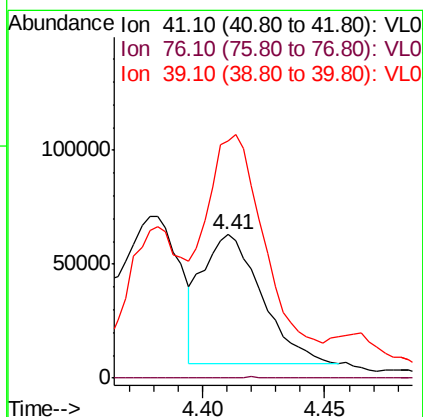
Ion	Ratio	Lower	Upper
84	100		
49	153.4	118.2	177.2
51	46.3	36.8	55.2
86	65.0	49.0	73.6

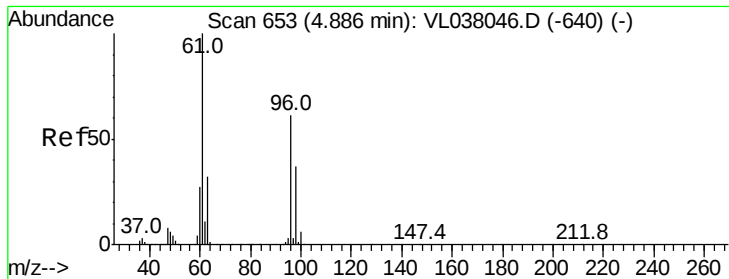


#21
Allyl Chloride
Concen: 1.435 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL038206.D
Acq: 17 Dec 2021 2:18

Tgt Ion: 41 Resp: 94887

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	36.8#
39	316.3	63.4	95.0#





#22

trans-1,2-Dichloroethene

Concen: 0.109 ppbv

RT: 4.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 2:18

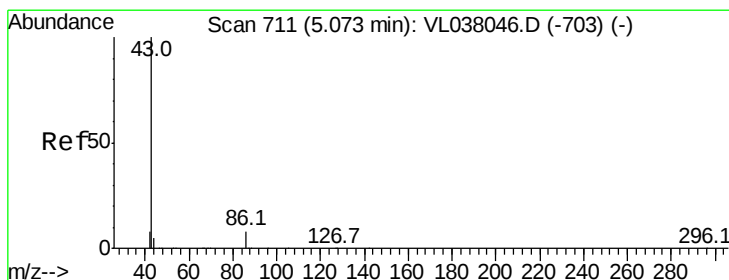
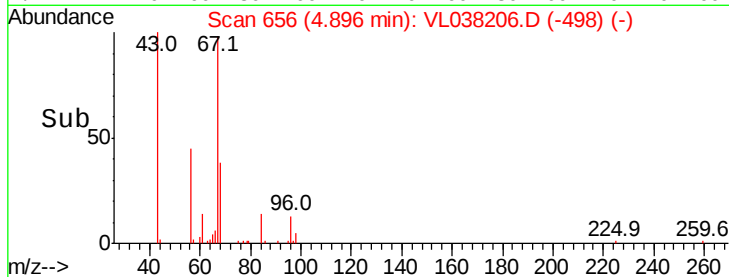
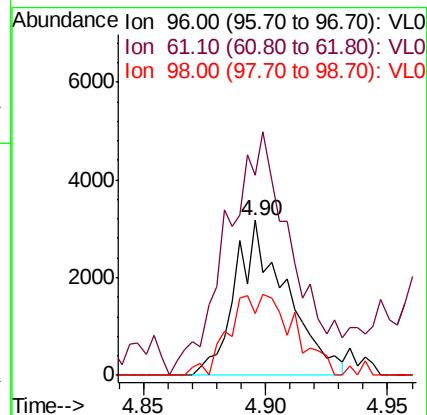
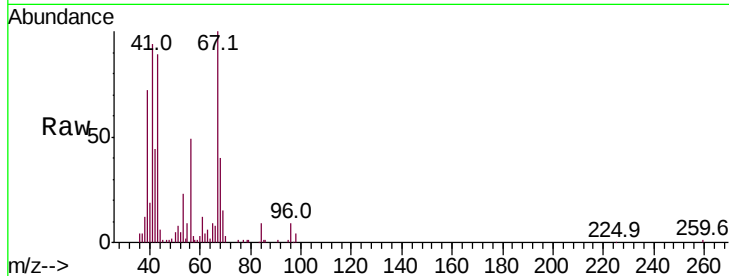
Tot Ion: 96 Resp: 4641

Ion Ratio Lower Upper

96 100

61 101.8 131.6 197.4#

98 38.3 48.4 72.6#



#23

Vinyl Acetate

Concen: 1.141 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL038206.D

Acq: 17 Dec 2021 2:18

Tgt Ion: 43 Resp: 117978

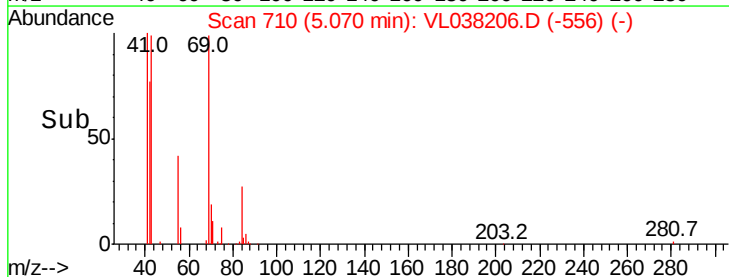
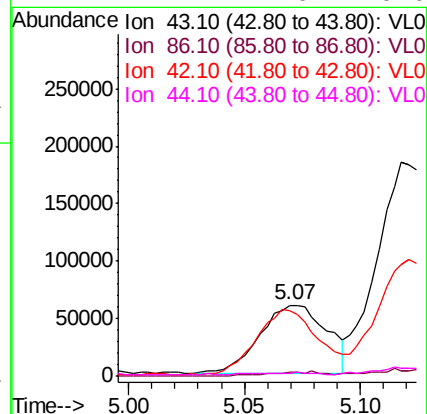
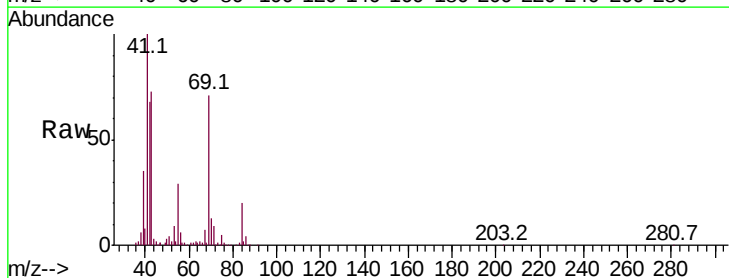
Ion Ratio Lower Upper

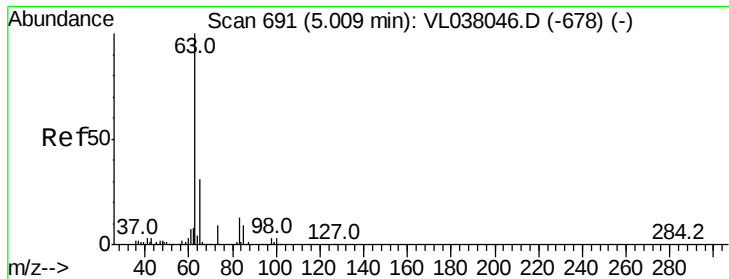
43 100

86 5.0 5.3 7.9#

42 93.8 7.0 10.6#

44 1.7 4.0 6.0#





#24

1,1-Dichloroethane

Concen: 0.092 ppbv

RT: 5.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 Dec 2021 2:18

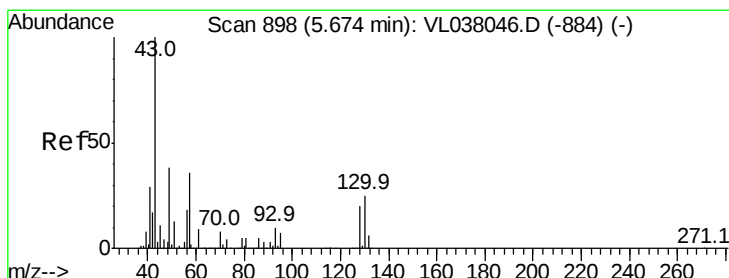
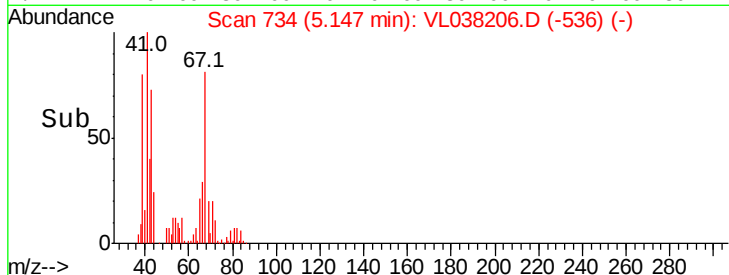
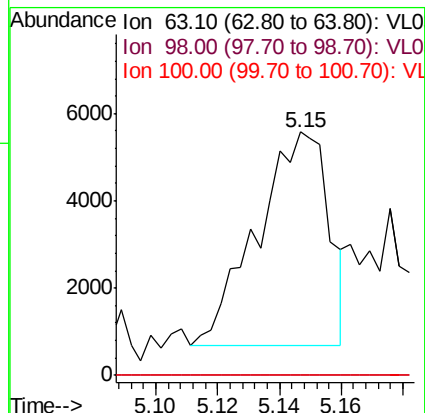
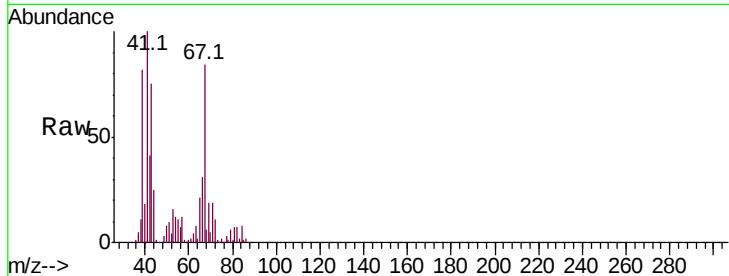
Tot Ion: 63 Resp: 7903

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.4#

100 0.0 1.4 4.0#



#25

Ethyl Acetate

Concen: 5.473 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.02 min

Lab File: VL038206.D

Acq: 17 Dec 2021 2:18

Tgt Ion: 43 Resp: 1299305

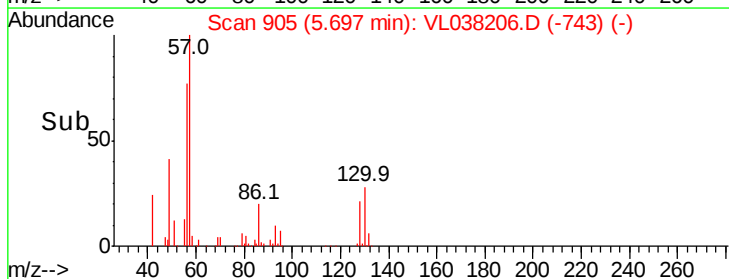
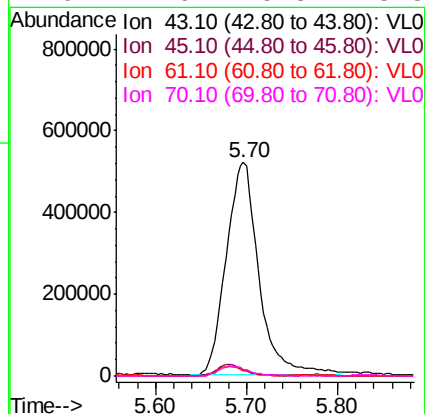
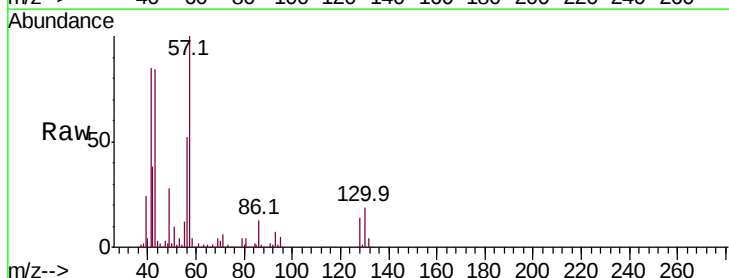
Ion Ratio Lower Upper

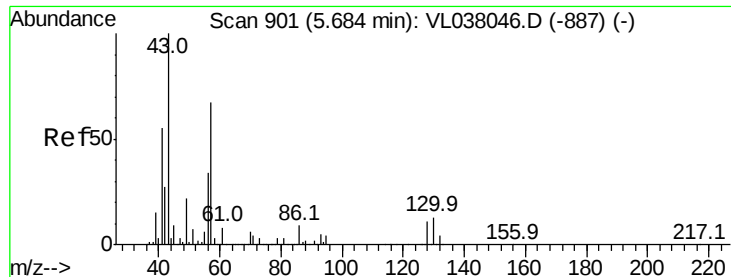
43 100

45 4.6 7.9 11.9#

61 4.1 7.8 11.6#

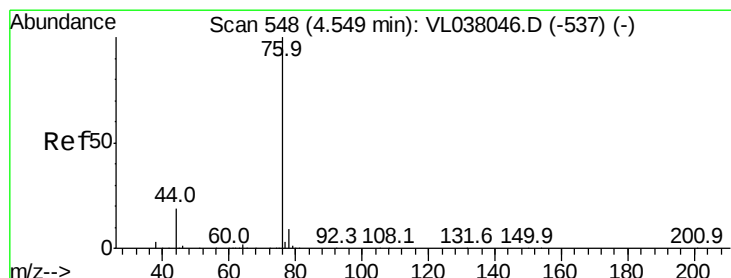
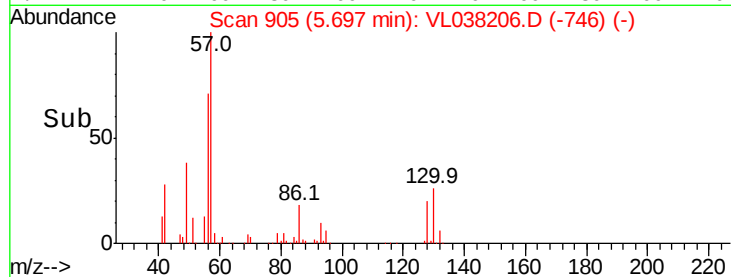
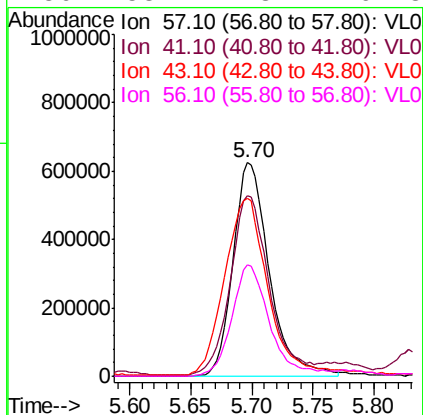
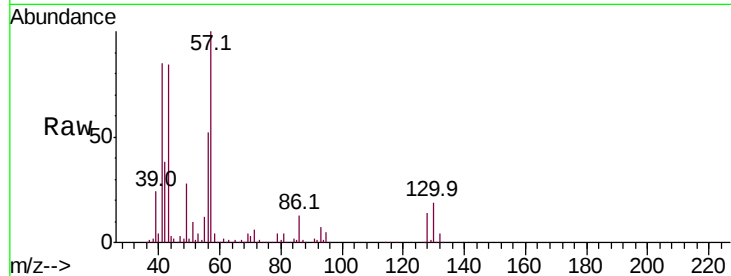
70 4.6 5.8 8.8#





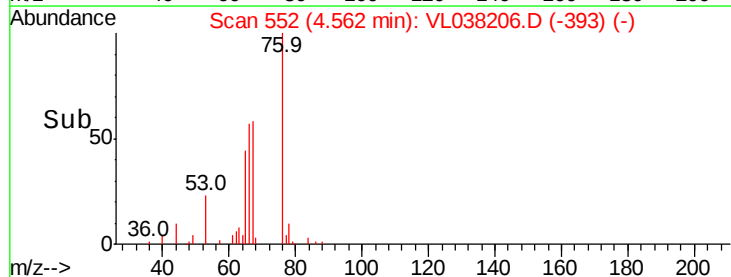
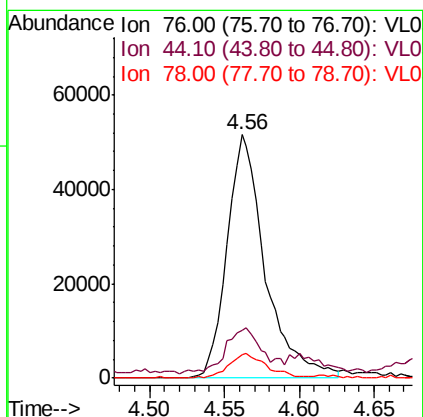
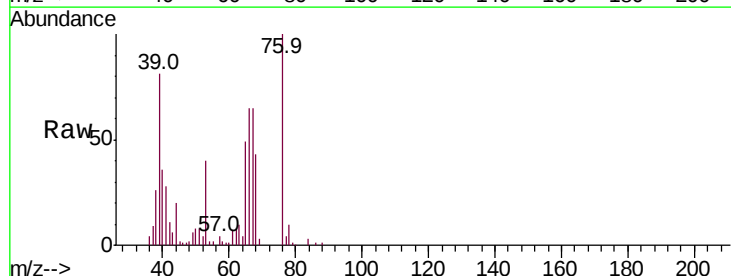
#26
Hexane
Concen: 11.232 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 2:18

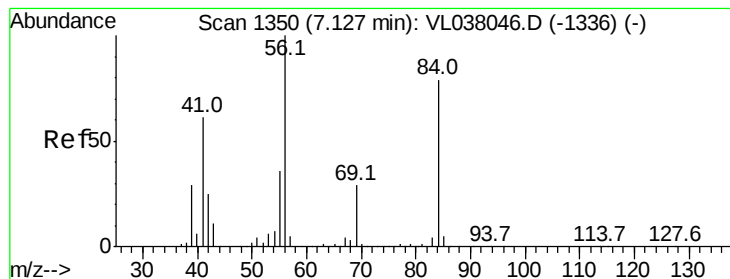
Tot Ion:	57	Resp:	1285234
Ion	Ratio	Lower	Upper
57	100		
41	97.7	71.4	107.2
43	102.4	174.6	261.8#
56	58.2	43.2	64.8



#27
Carbon Disulfide
Concen: 0.894 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL038206.D
Acq: 17 Dec 2021 2:18

Tgt Ion:	76	Resp:	91655
Ion	Ratio	Lower	Upper
76	100		
44	25.3	14.9	22.3#
78	11.1	7.6	11.4





#30

Cvclohexane

Concen: 0.905 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 2:18

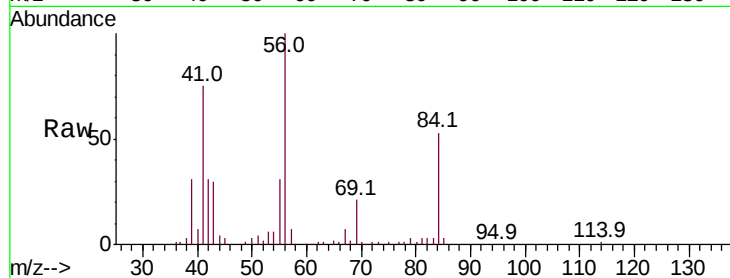
Tot Ion: 84 Resp: 94038

Ion Ratio Lower Upper

84 100

56 0.0 108.1 162.1#

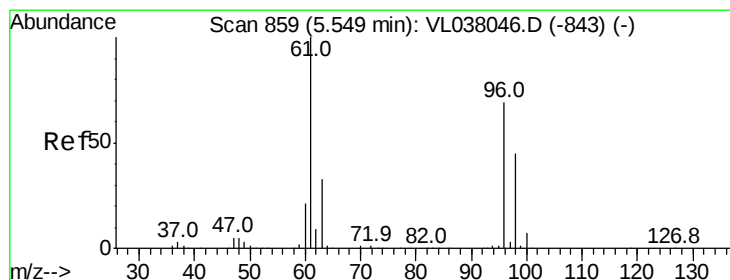
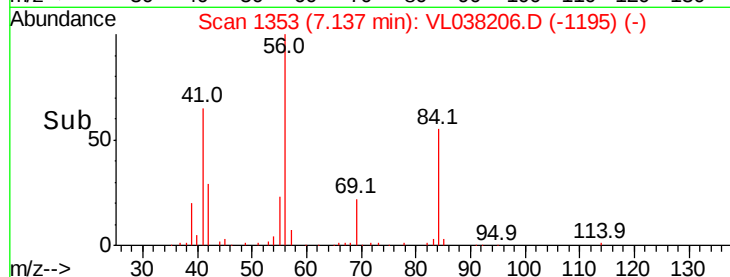
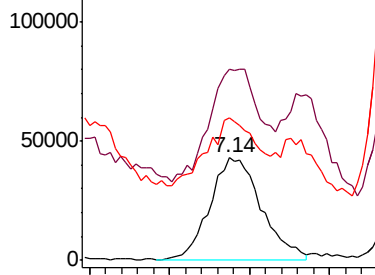
41 0.0 64.4 96.6#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.034 ppbv

RT: 5.56 min Scan# 861

Delta R.T. 0.01 min

Lab File: VL038206.D

Acq: 17 Dec 2021 2:18

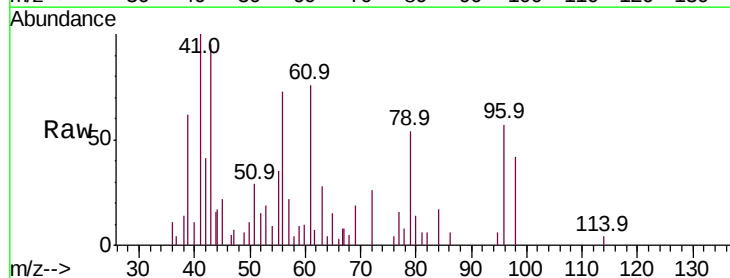
Tgt Ion: 61 Resp: 3693

Ion Ratio Lower Upper

61 100

96 68.8 55.4 83.2

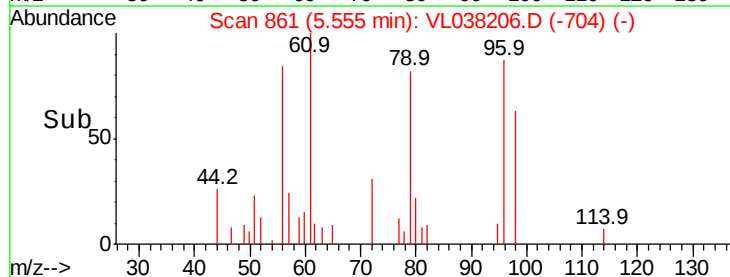
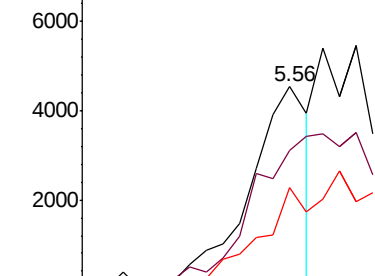
98 50.1 35.7 53.5

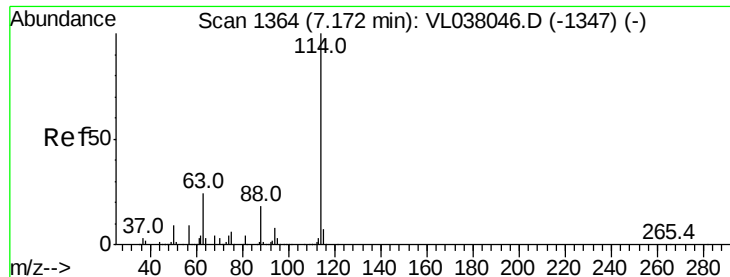


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

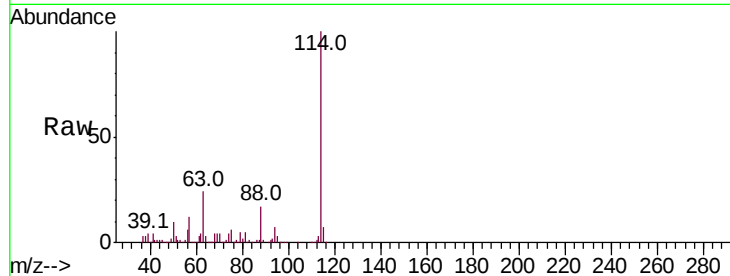
Ion 98.00 (97.70 to 98.70): VL0



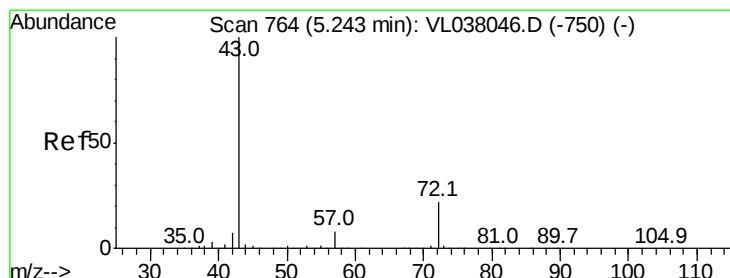
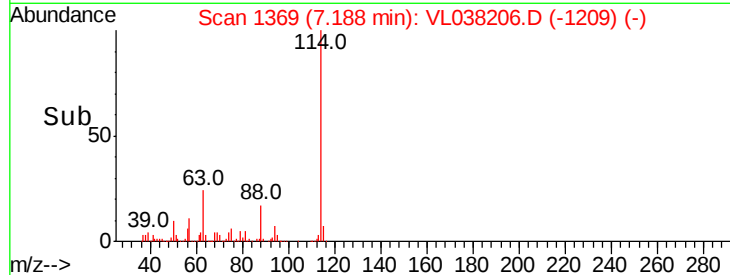
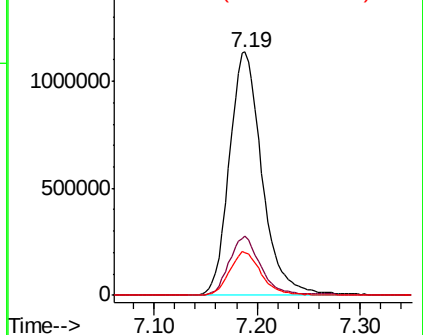


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 2:18

Tot Ion:114 Resp: 2509354
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.7 29.5
 88 17.6 14.4 21.6

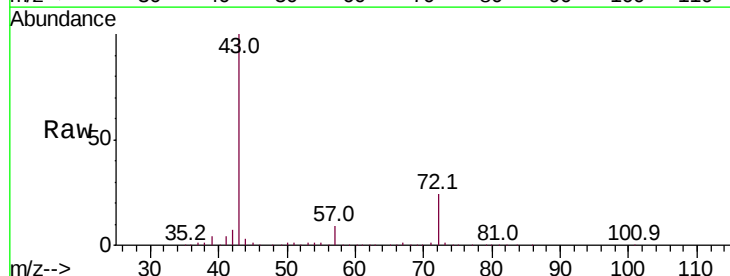


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

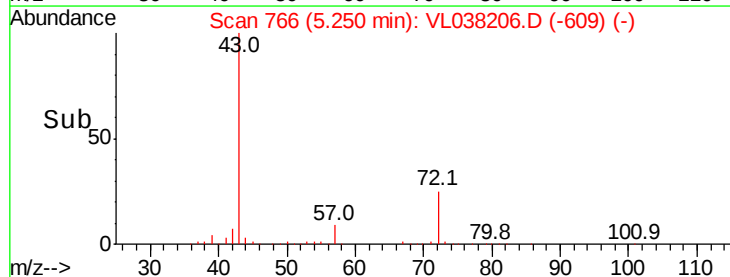
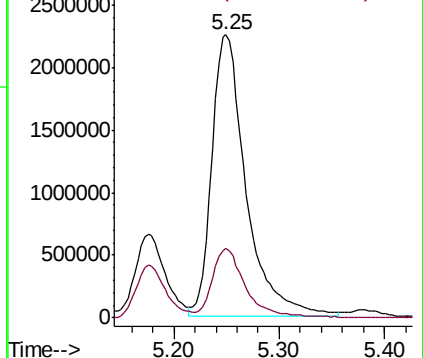


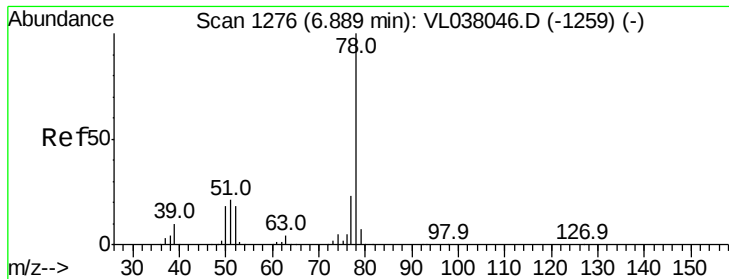
#34
 2-Butanone
 Concen: 50.237 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T.: 0.01 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

Tgt Ion: 43 Resp: 5083187
 Ion Ratio Lower Upper
 43 100
 72 24.8 18.8 28.2



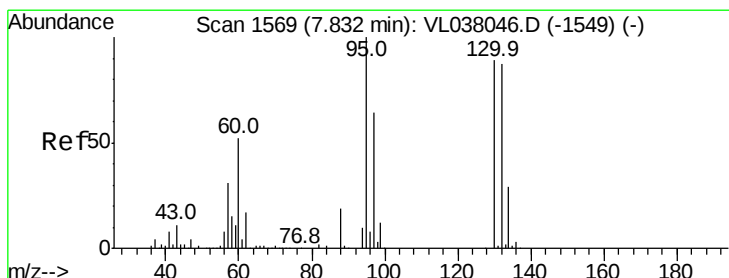
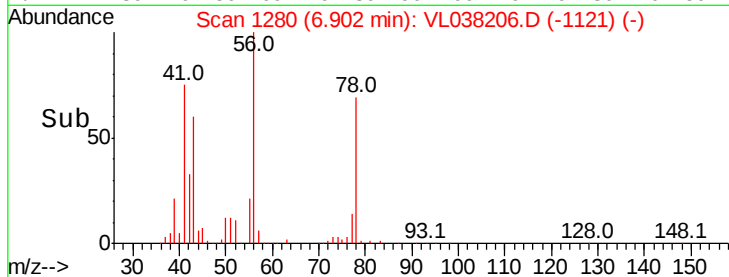
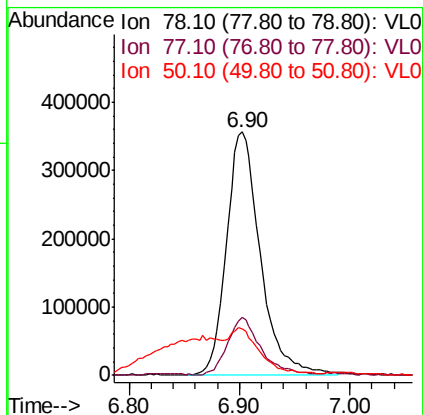
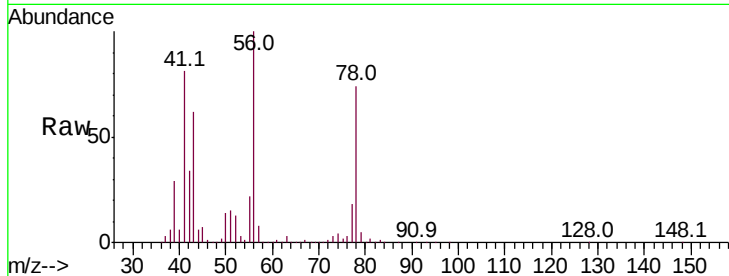
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





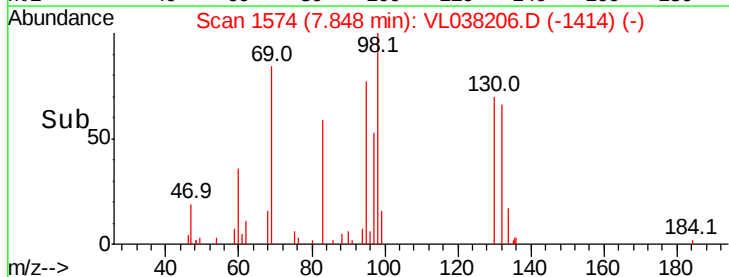
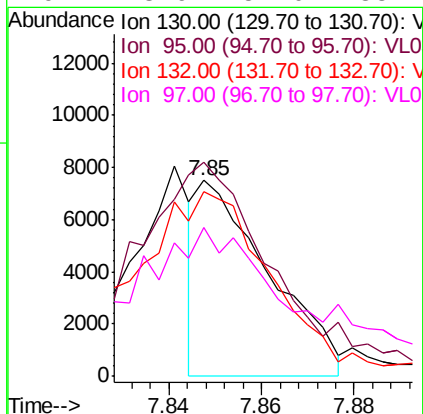
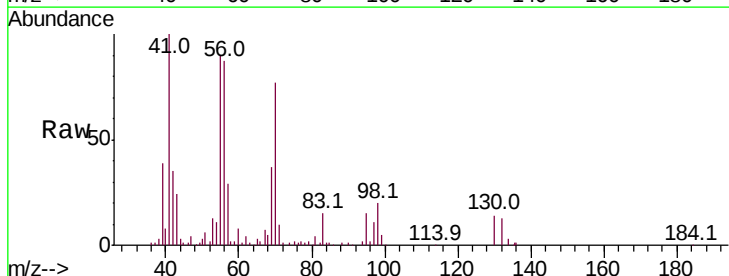
#36
Benzene
Concen: 3.016 ppbv
RT: 6.90 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 2:18

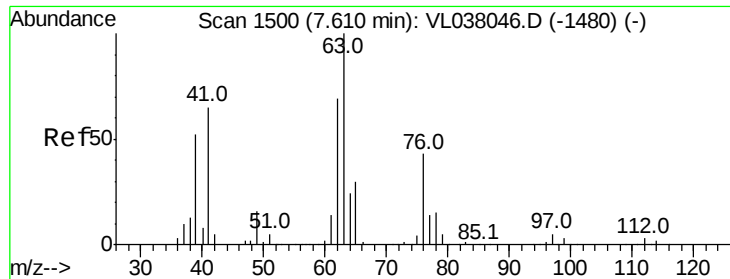
Tot Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.4
50	18.4	14.7	22.1



#38
Trichloroethene
Concen: 0.085 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VL038206.D
Acq: 17 Dec 2021 2:18

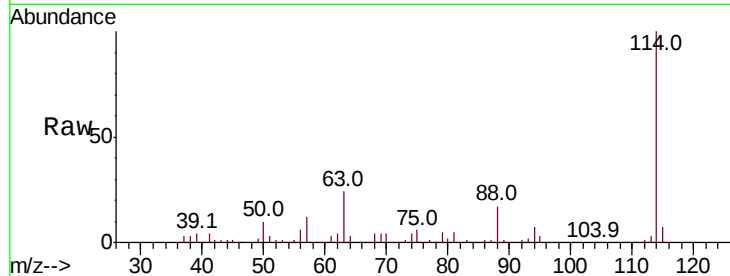
Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	89.4	134.2
132	96.7	78.2	117.2
97	43.9	57.0	85.4





#39
 1,2-Dichloropropane
 Concen: 6.051 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 2:18

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	15.2	55.1	82.7#

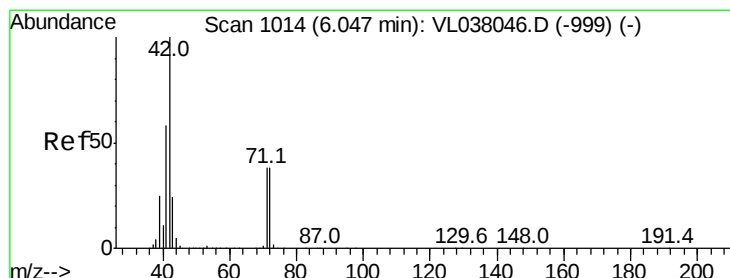
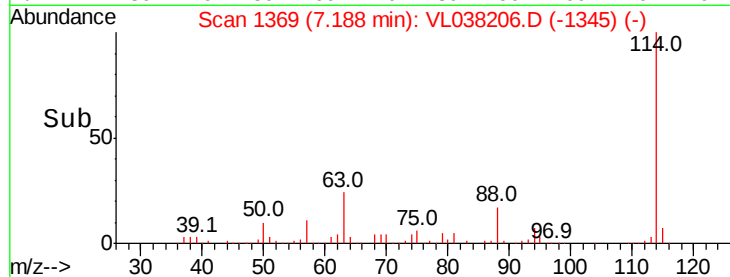
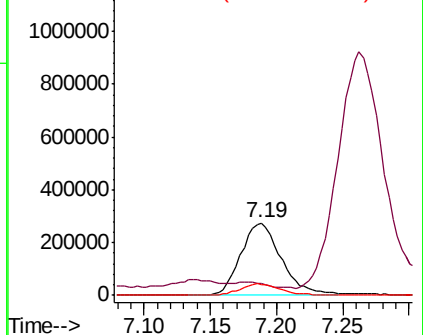


Abundance

Ion 63.10 (62.80 to 63.80): VL0

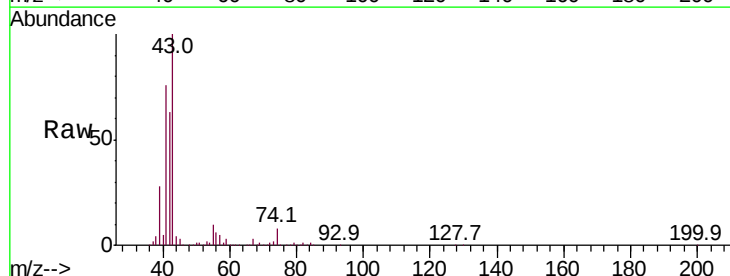
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41
 Tetrahydrofuran
 Concen: 14.144 ppbv
 RT: 6.02 min Scan# 1005
 Delta R.T. -0.03 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

Tgt Ion	Ratio	Lower	Upper
42	100		
72	2.1	31.7	47.5#
71	0.6	30.6	46.0#

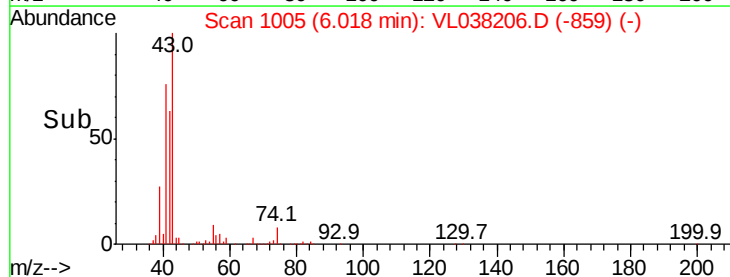
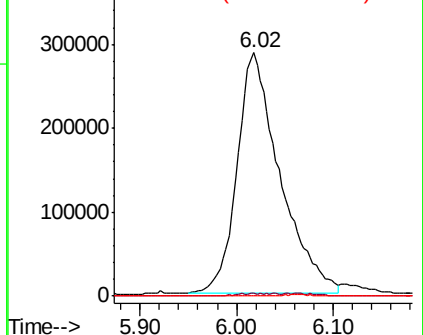


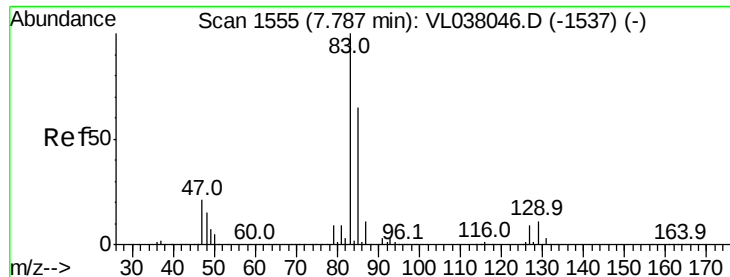
Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.431 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 Dec 2021 2:18

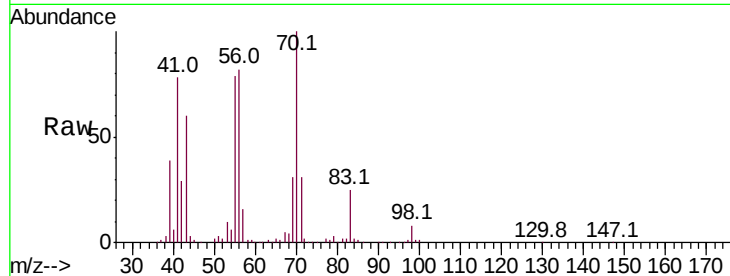
Tot Ion: 83 Resp: 79239

Ion Ratio Lower Upper

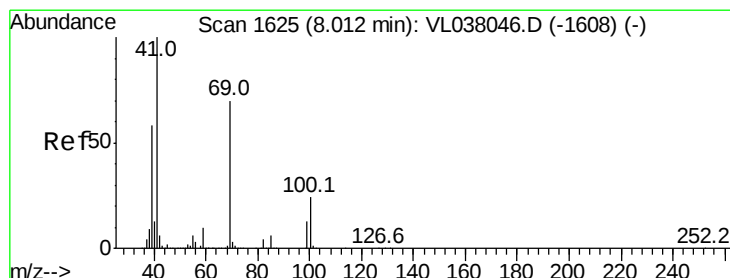
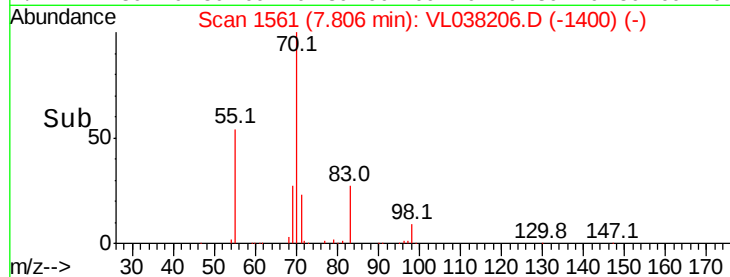
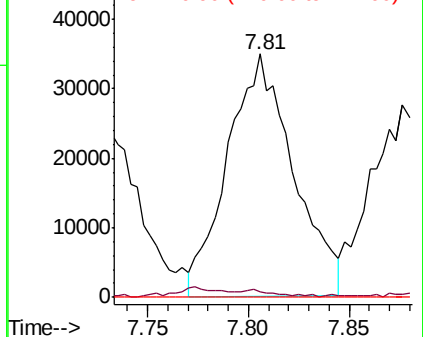
83 100

85 1.5 51.9 77.9#

127 0.0 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 3.515 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VL038206.D

Acq: 17 Dec 2021 2:18

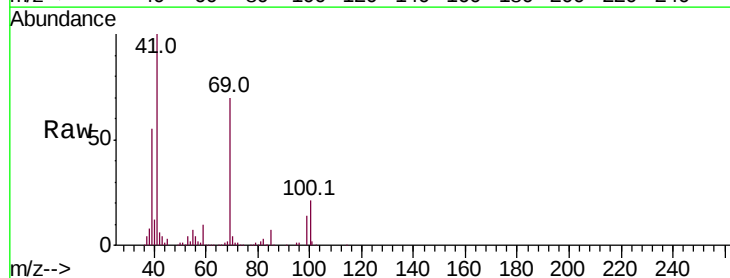
Tgt Ion: 69 Resp: 300998

Ion Ratio Lower Upper

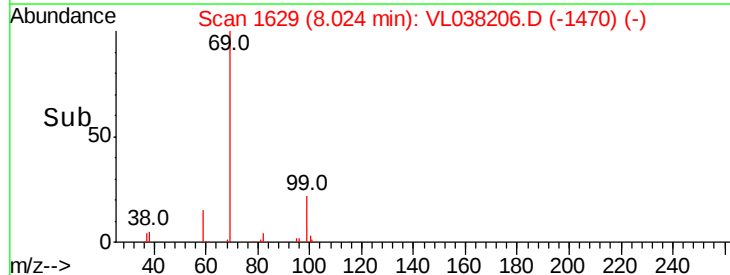
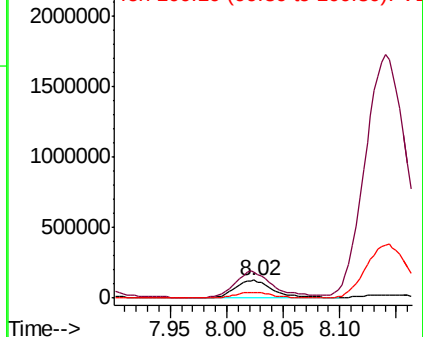
69 100

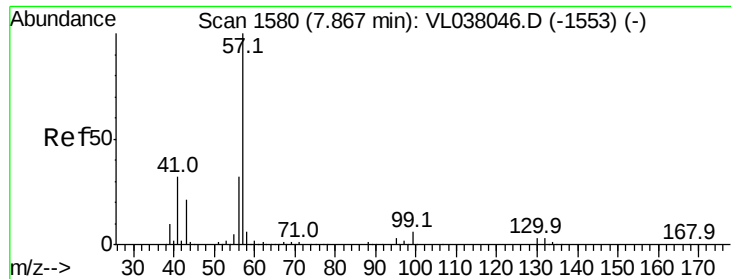
41 146.6 116.7 175.1

100 33.0 27.3 40.9



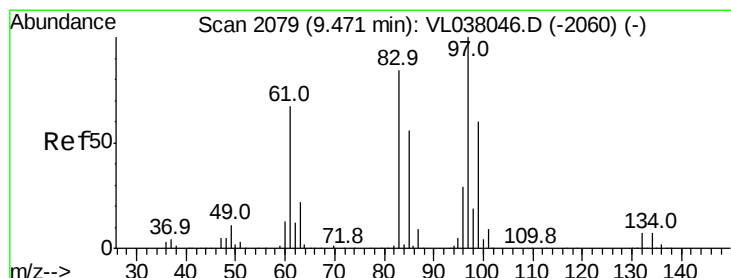
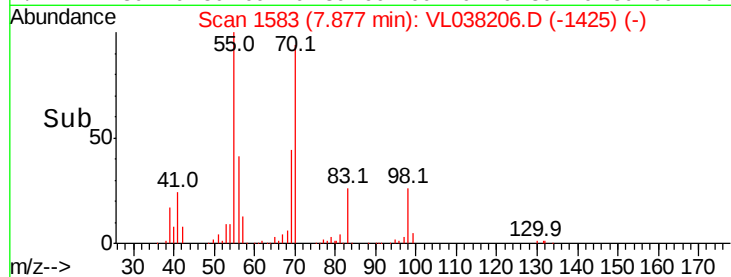
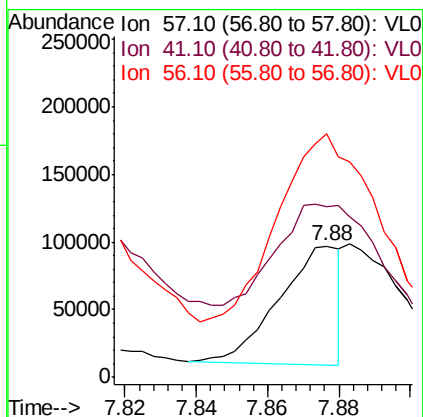
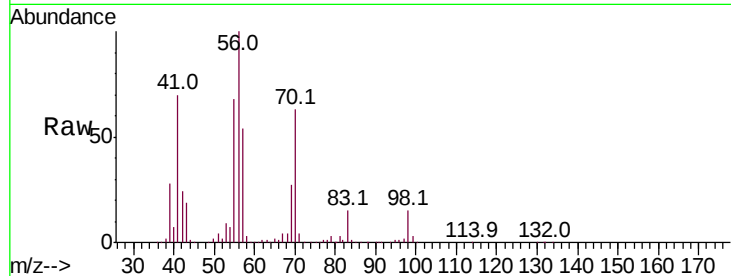
Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





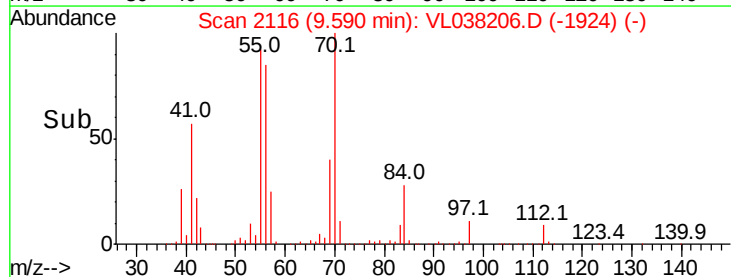
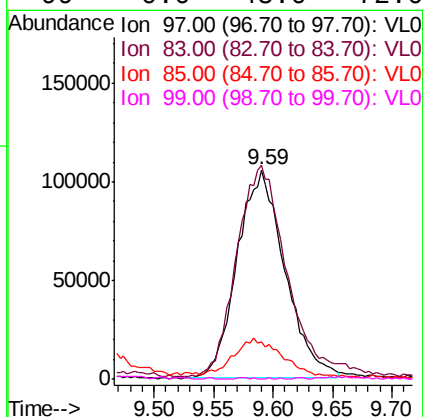
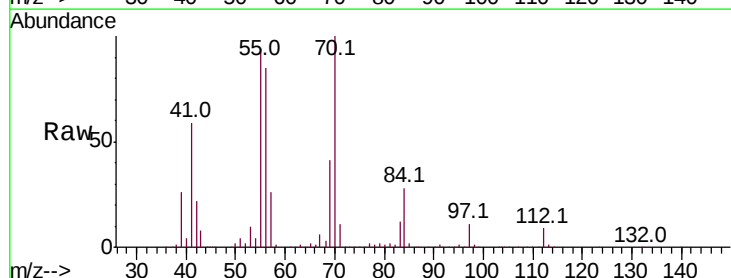
#44
 2,2,4-Trimethylpentane
 Concen: 0.250 ppbv
 RT: 7.88 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File:
 Acq: 17 Dec 2021 2:18

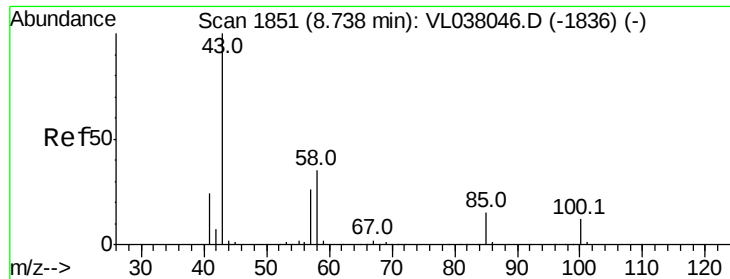
Tot Ion: 57 Resp: 104583
 Ion Ratio Lower Upper
 57 100
 41 312.3 25.8 38.6#
 56 405.0 25.6 38.4#



#47
 1,1,2-Trichloroethane
 Concen: 2.909 ppbv
 RT: 9.59 min Scan# 2116
 Delta R.T. 0.12 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

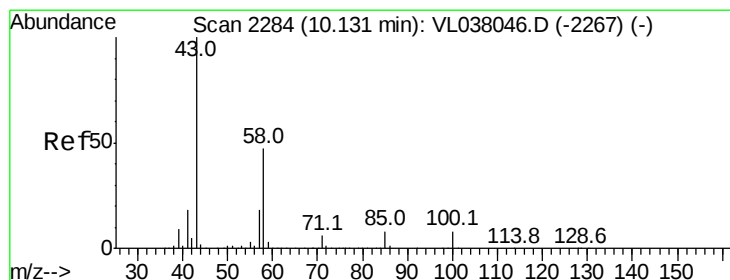
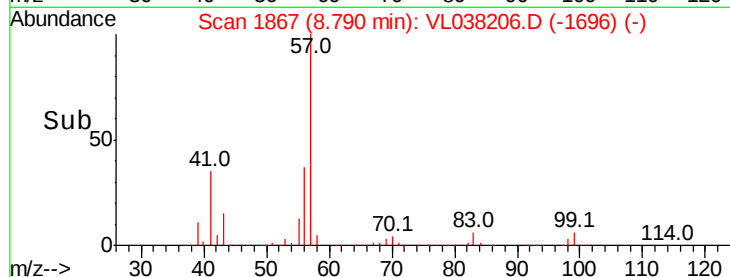
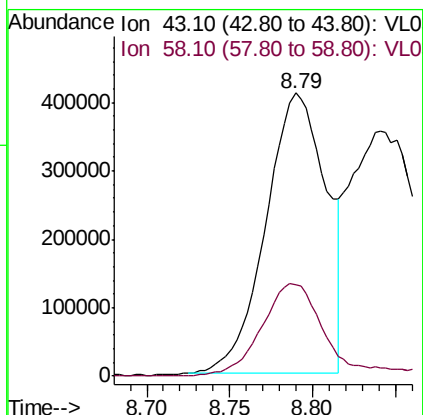
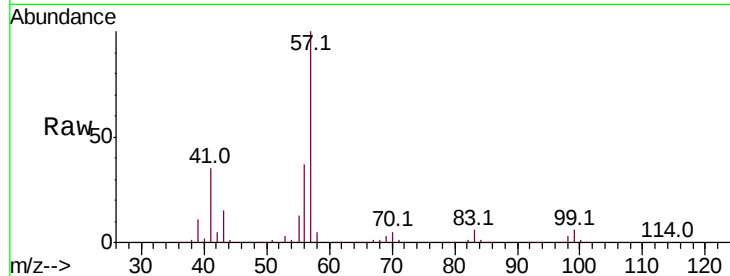
Tgt Ion: 97 Resp: 292581
 Ion Ratio Lower Upper
 97 100
 83 101.2 66.8 100.2#
 85 16.8 44.9 67.3#
 99 0.0 48.0 72.0#





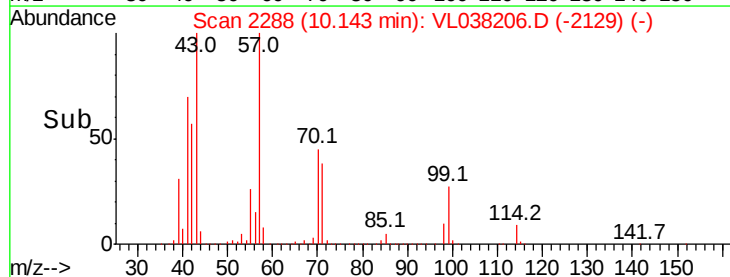
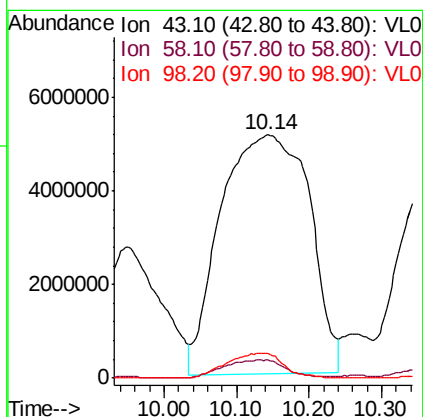
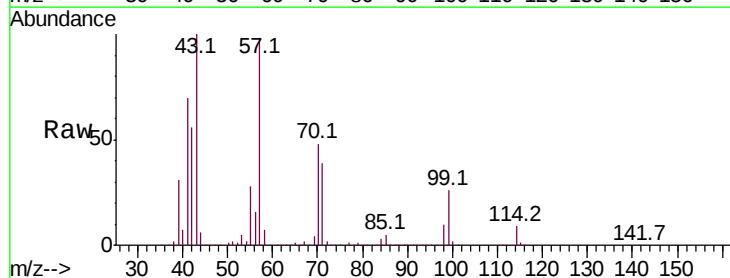
#50
 4-Methyl-2-Pentanone
 Concen: 6.739 ppbv
 RT: 8.79
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 2:18

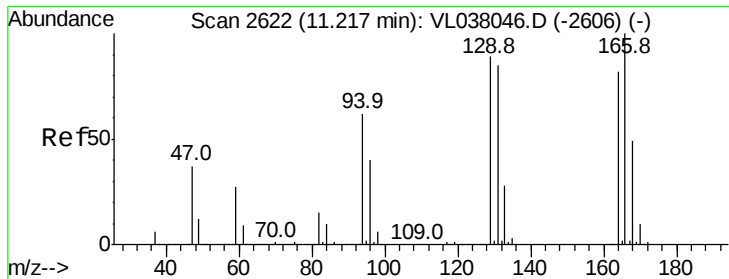
Tot Ion: 43 Resp: 1035571
 Ion Ratio Lower Upper
 43 100
 58 35.1 29.4 44.2



#51
 2-Hexanone
 Concen: 598.564 ppbv
 RT: 10.14 min Scan# 2288
 Delta R.T.: 0.01 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

Tgt Ion: 43 Resp: 43273364
 Ion Ratio Lower Upper
 43 100
 58 5.2 41.1 61.7#
 98 6.8 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.056 ppbv

RT: 11.25

Delta R.T. MSVOA_L

Lab File:

Acq: 17 Dec 2021 2:18

Tot Ion:164 Resp: 5167

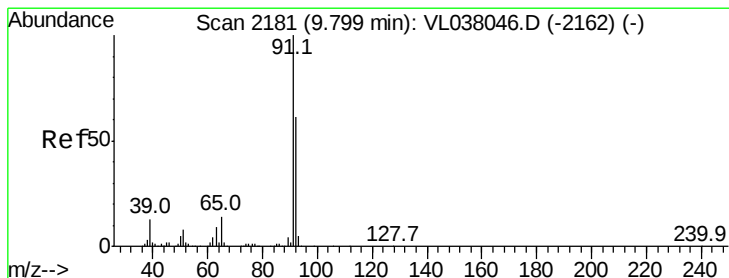
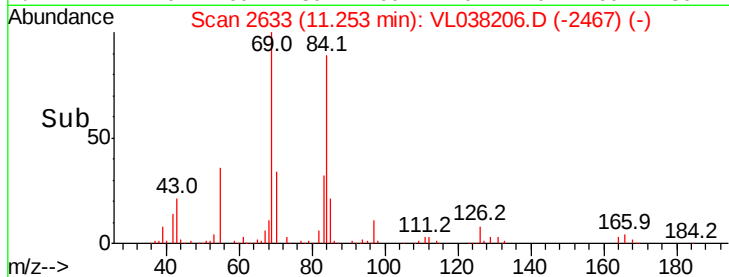
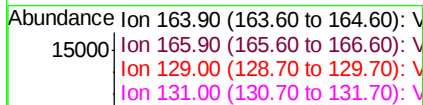
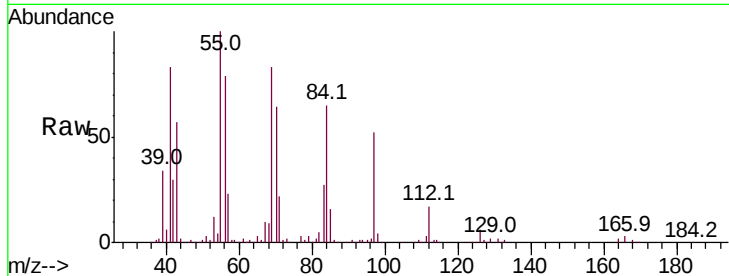
Ion Ratio Lower Upper

164 100

166 123.7 97.2 145.8

129 77.5 86.9 130.3#

131 94.3 82.8 124.2



#53

Toluene

Concen: 4.162 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL038206.D

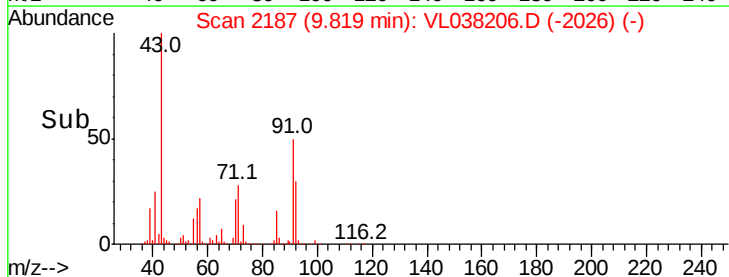
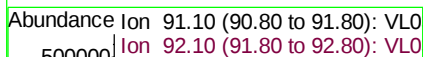
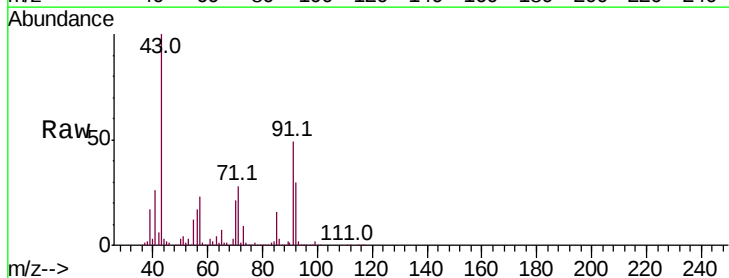
Acq: 17 Dec 2021 2:18

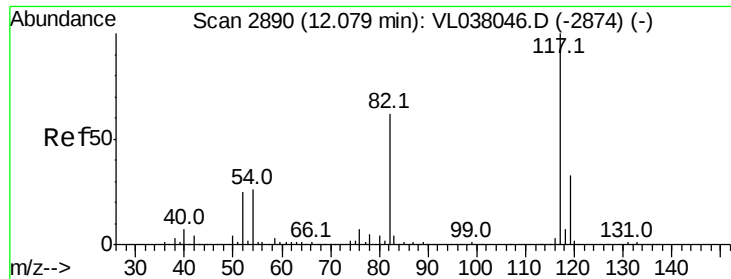
Tgt Ion: 91 Resp: 1198786

Ion Ratio Lower Upper

91 100

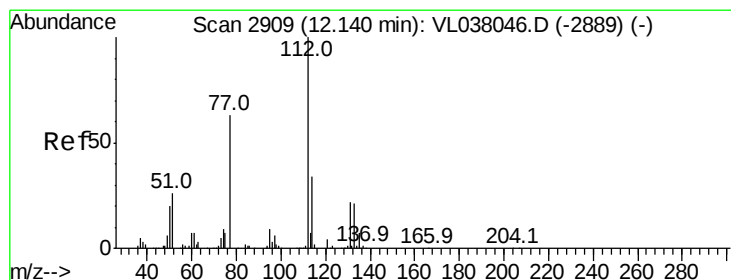
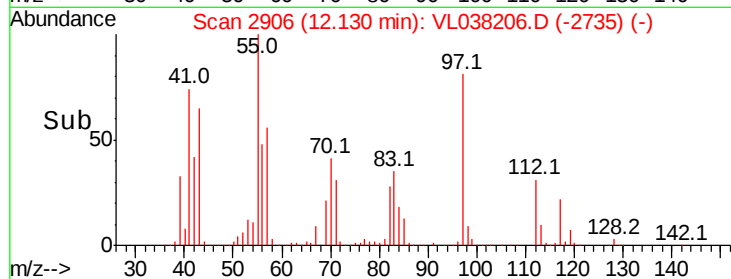
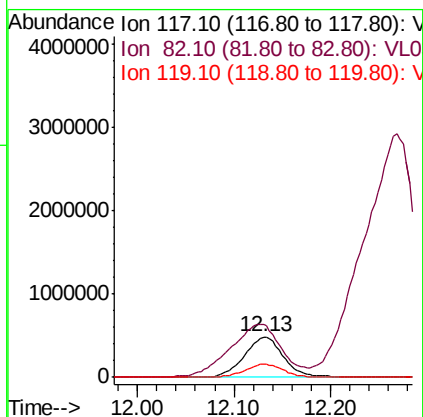
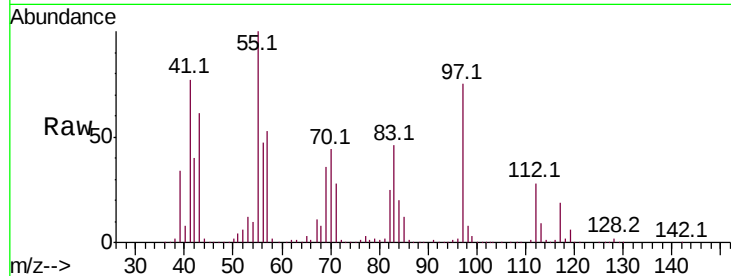
92 60.9 49.7 74.5





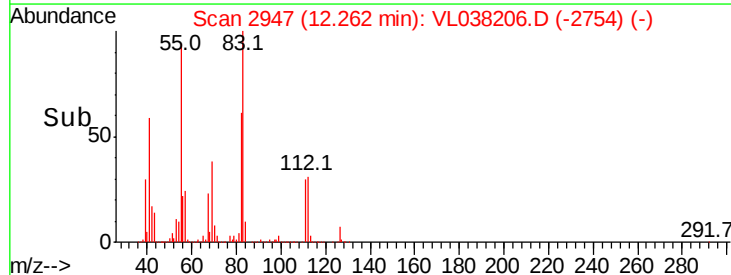
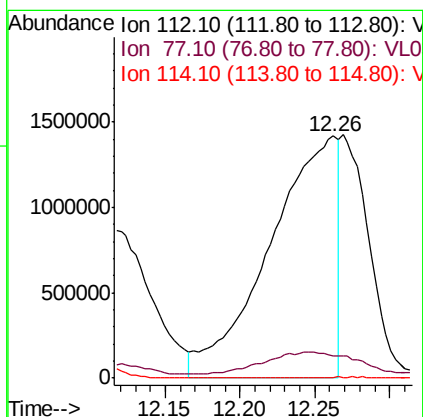
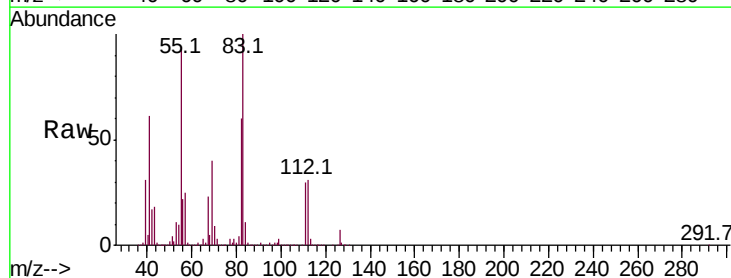
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 2:18

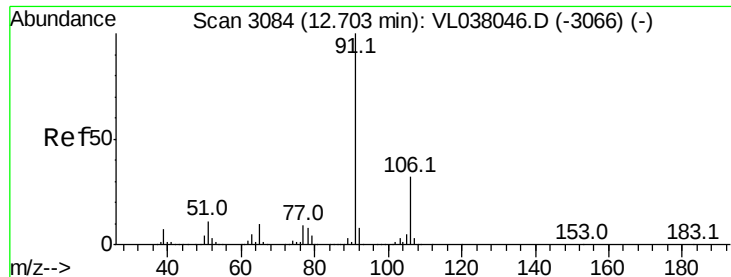
Tot Ion:117 Resp: 1359481
Ion Ratio Lower Upper
117 100
82 172.4 52.8 79.2#
119 33.2 26.8 40.2



#57
Chlorobenzene
Concen: 36.523 ppbv
RT: 12.26 min Scan# 2947
Delta R.T. 0.12 min
Lab File: VL038206.D
Acq: 17 Dec 2021 2:18

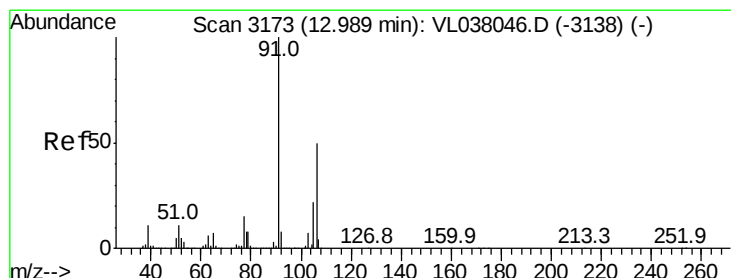
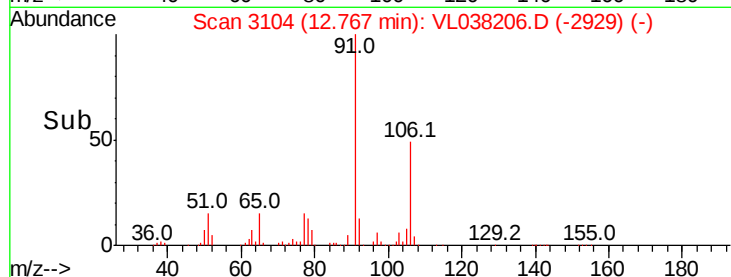
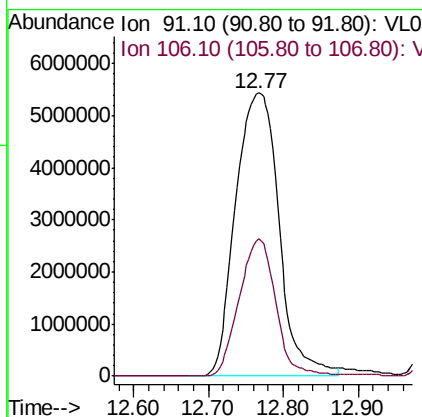
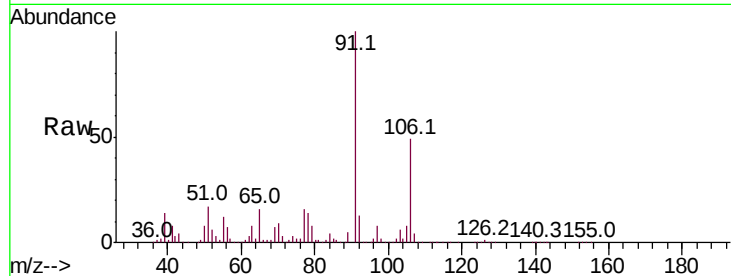
Tgt Ion:112 Resp: 4450300
Ion Ratio Lower Upper
112 100
77 8.3 50.3 75.5#
114 0.3 30.7 37.5#





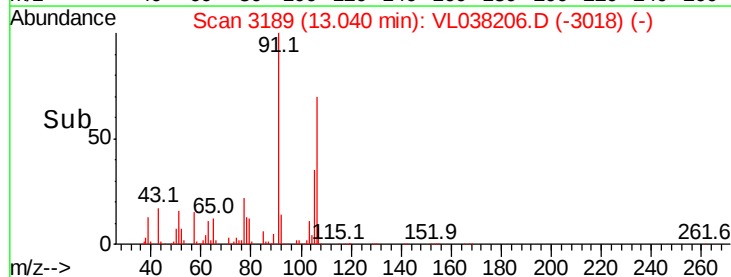
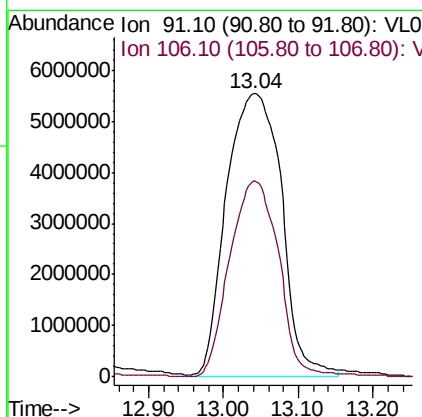
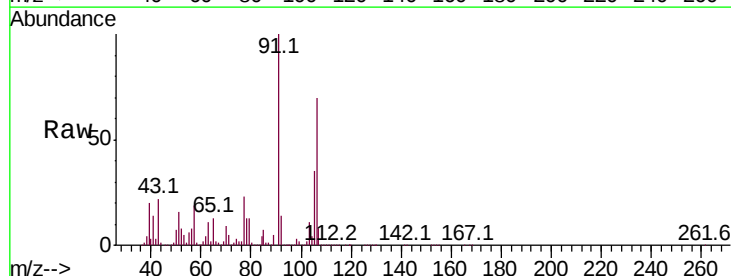
#58
Ethyl Benzene
Concen: 97.547 ppbv
RT: 12.77 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 2:18

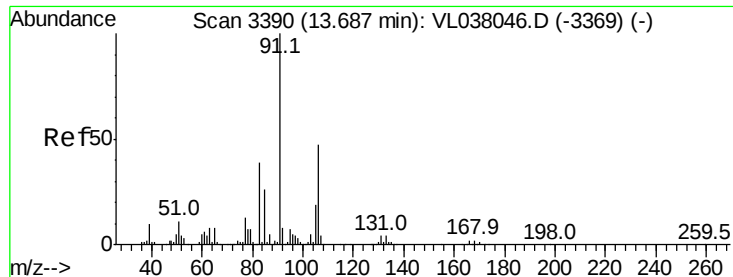
Tot Ion: 91 Resp:21918530
Ion Ratio Lower Upper
91 100
106 48.6 25.8 38.6#



#59
m/p-Xylene
Concen: 149.522 ppbv
RT: 13.04 min Scan# 3189
Delta R.T.: 0.05 min
Lab File: VL038206.D
Acq: 17 Dec 2021 2:18

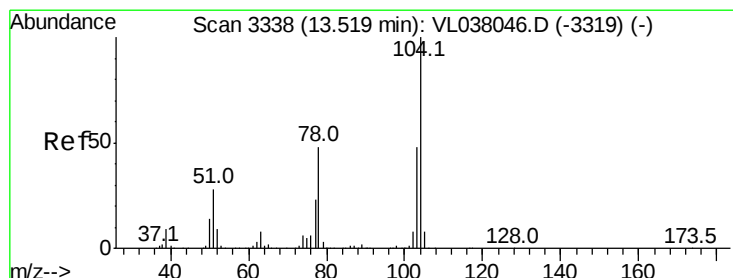
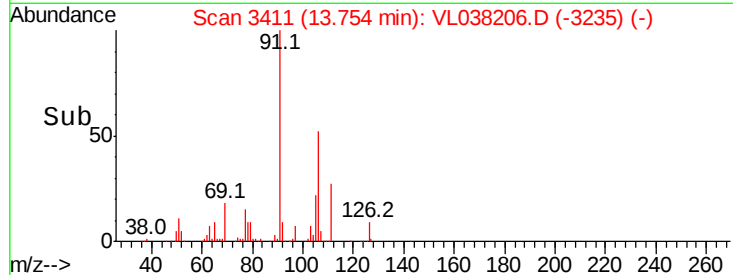
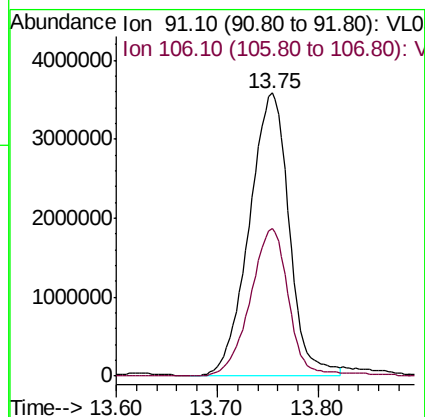
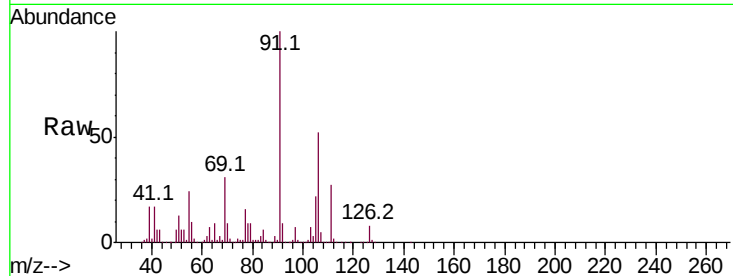
Tgt Ion: 91 Resp:28282065
Ion Ratio Lower Upper
91 100
106 62.1 38.1 57.1#





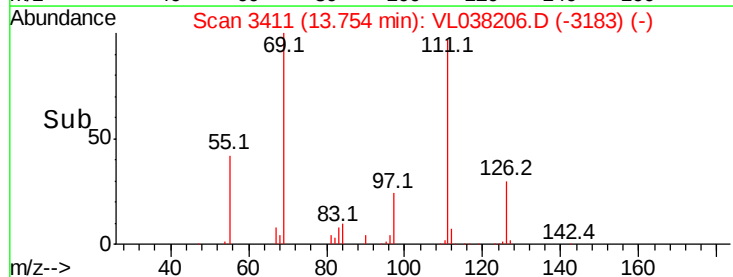
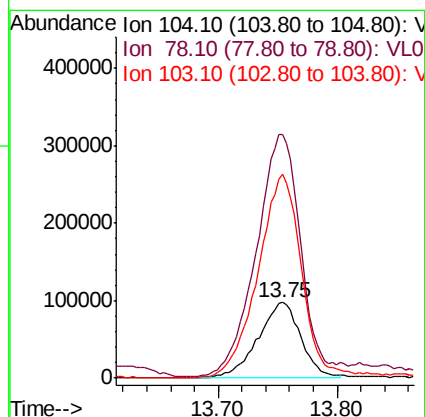
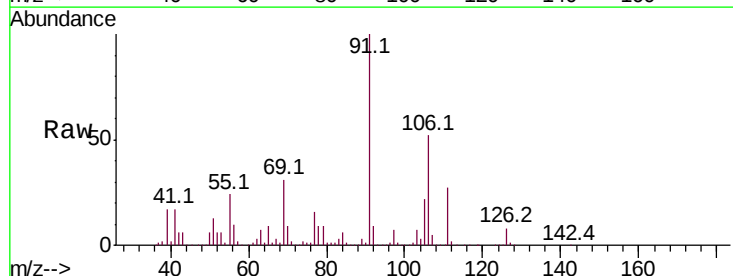
#60
o-Xylene
Concen: 56.081 ppbv
RT: 13.75 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 2:18

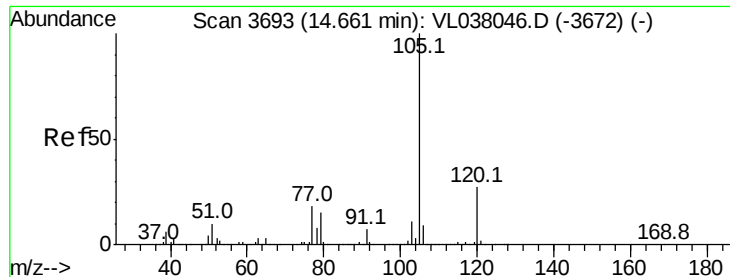
Tot Ion: 91 Resp: 9840395
Ion Ratio Lower Upper
91 100
106 50.8 24.2 72.6



#61
Styrene
Concen: 2.588 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. 0.23 min
Lab File: VL038206.D
Acq: 17 Dec 2021 2:18

Tgt Ion:104 Resp: 243494
Ion Ratio Lower Upper
104 100
78 335.2 39.8 59.6#
103 275.6 38.2 57.2#





#62

Isopropylbenzene

Concen: 0.792 ppbv

RT: 14.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

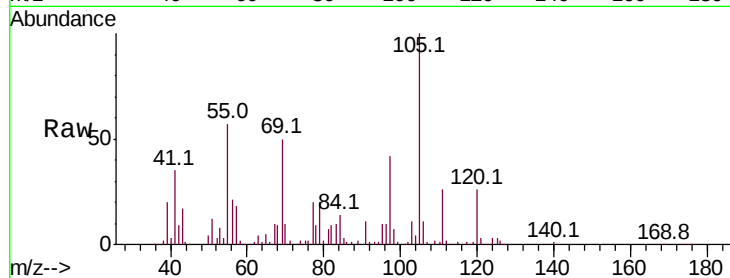
Acq: 17 Dec 2021 2:18

Tot Ion: 105 Resp: 197207

Ion Ratio Lower Upper

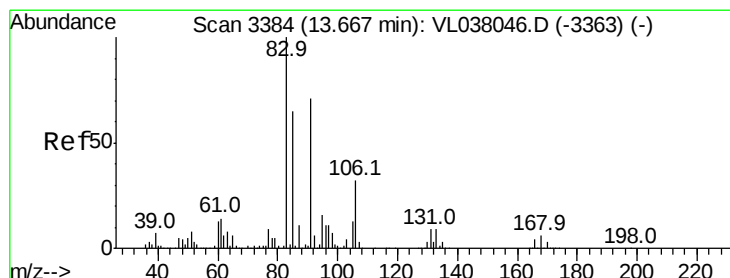
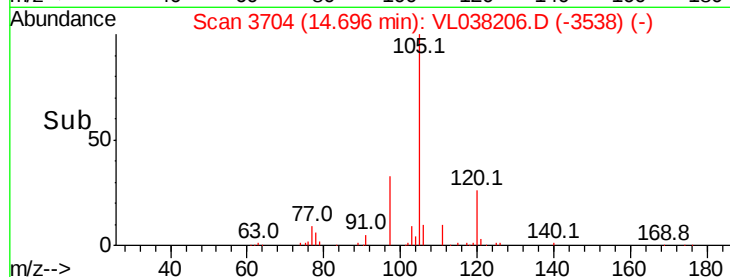
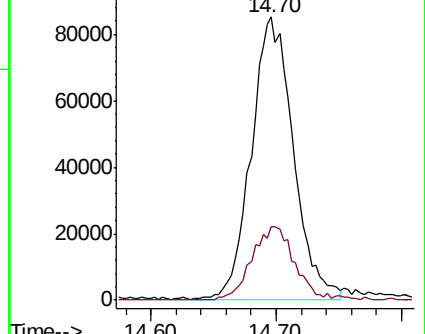
105 100

120 27.3 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 4.225 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. 0.06 min

Lab File: VL038206.D

Acq: 17 Dec 2021 2:18

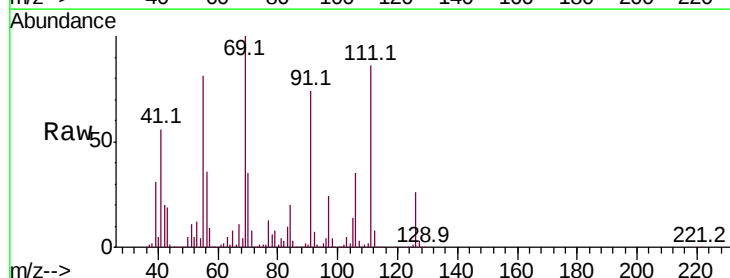
Tgt Ion: 83 Resp: 550654

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

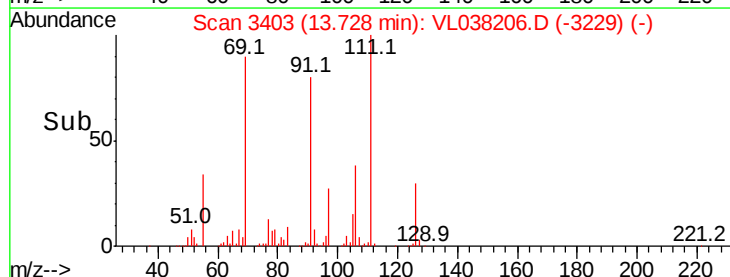
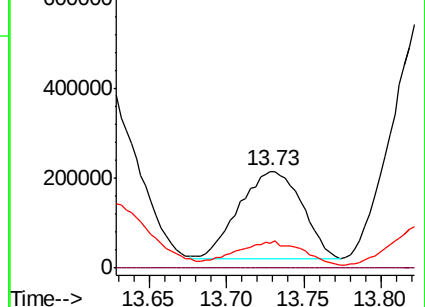
85 30.3 33.4 100.1#

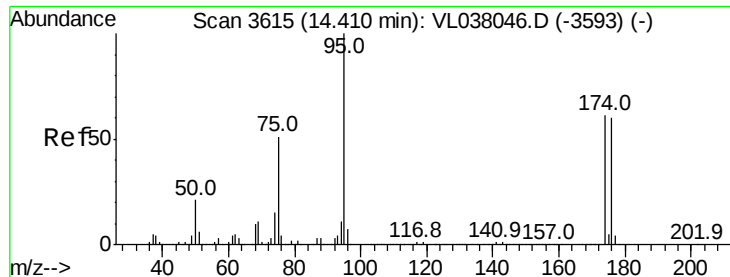


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#68

1-Bromo-4-Fluorobenzene

Concen: 28.847 ppbv

RT: 14.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Dec 2021 2:18

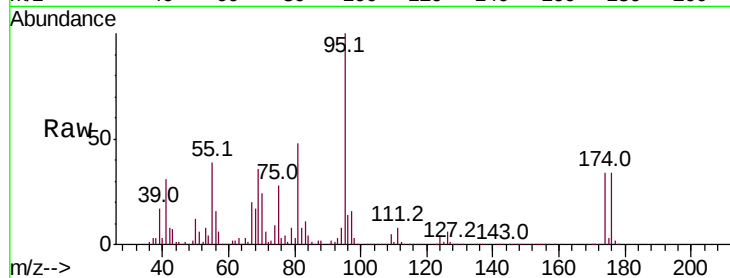
Tot Ion: 95 Resp: 2828803

Ion Ratio Lower Upper

95 100

174 37.8 53.1 79.7#

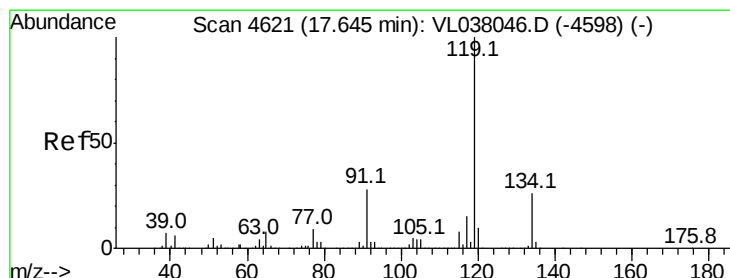
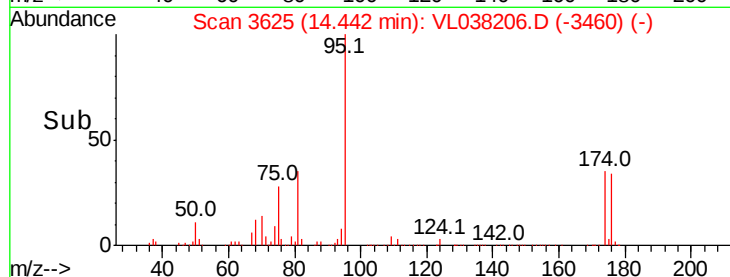
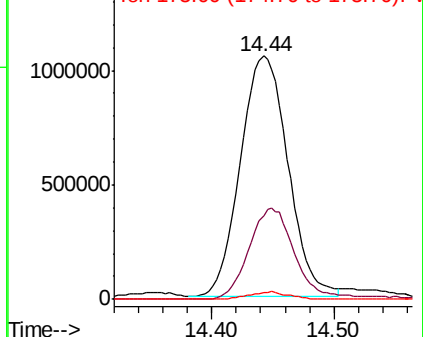
175 2.8 4.0 6.0#



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 1.811 ppbv

RT: 17.66 min Scan# 4627

Delta R.T. 0.02 min

Lab File: VL038206.D

Acq: 17 Dec 2021 2:18

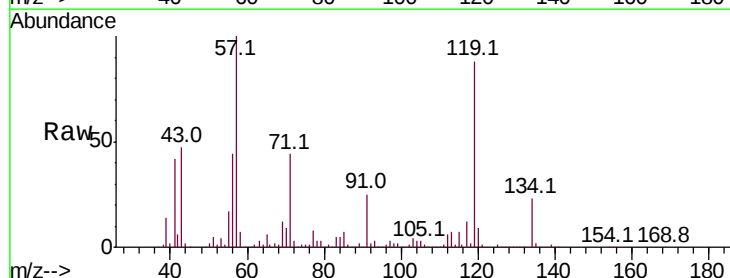
Tgt Ion: 119 Resp: 433120

Ion Ratio Lower Upper

119 100

134 26.1 20.6 30.8

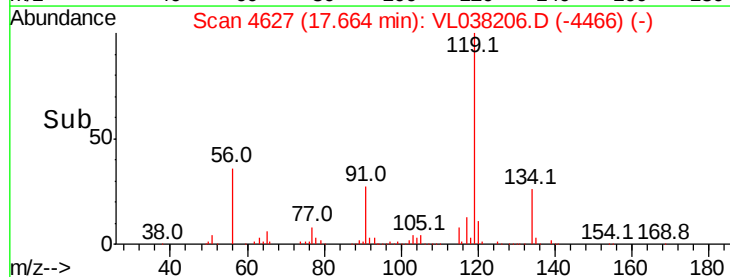
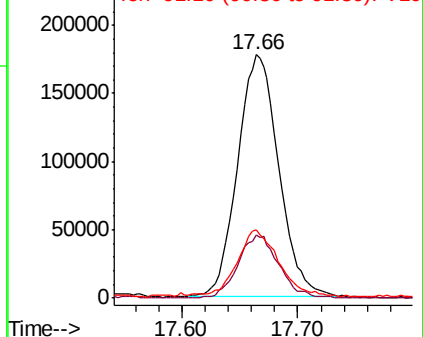
91 28.7 22.2 33.4

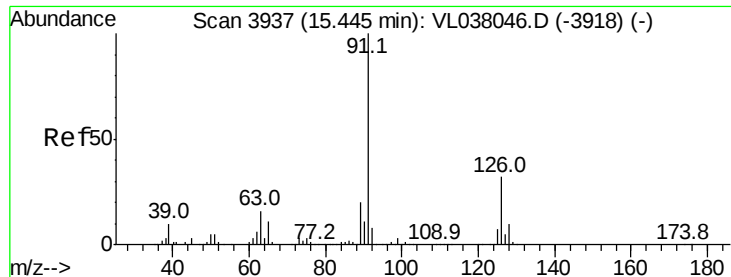


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#71

2-Chlorotoluene

Concen: 0.161 ppbv

RT: 15.34

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

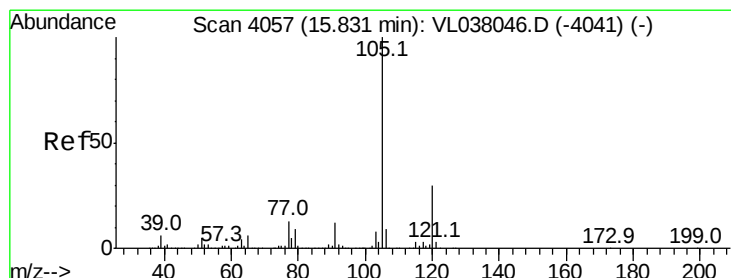
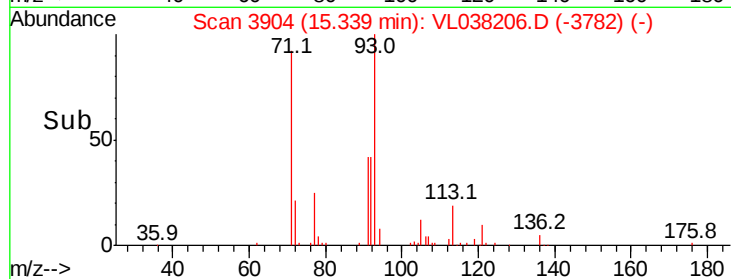
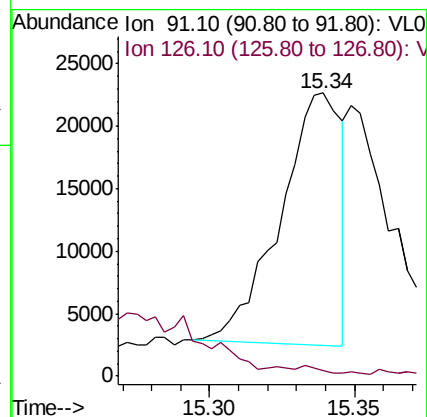
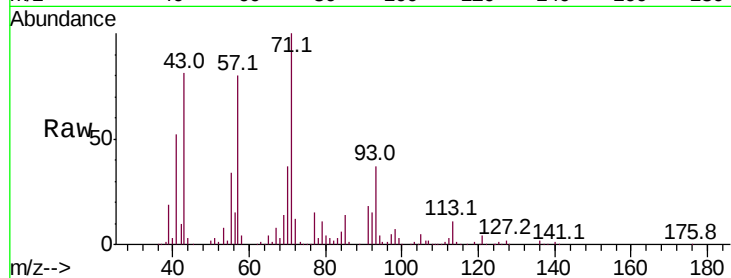
Acq: 17 Dec 2021 2:18

Tot Ion: 91 Resp: 29364

Ion Ratio Lower Upper

91 100

126 40.3 13.1 52.3



#72

4-Ethyltoluene

Concen: 0.113 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.04 min

Lab File: VL038206.D

Acq: 17 Dec 2021 2:18

Tgt Ion:105 Resp: 22892

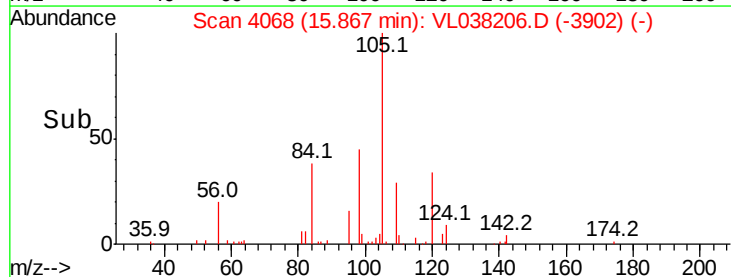
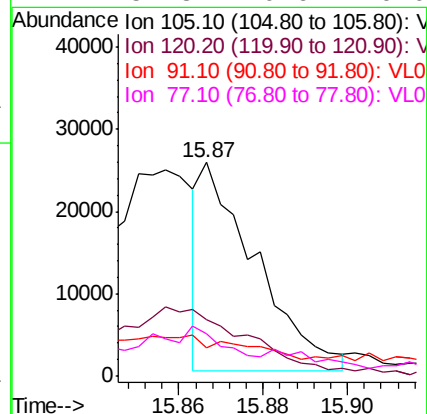
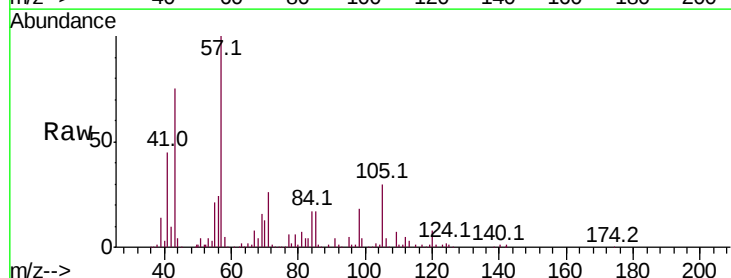
Ion Ratio Lower Upper

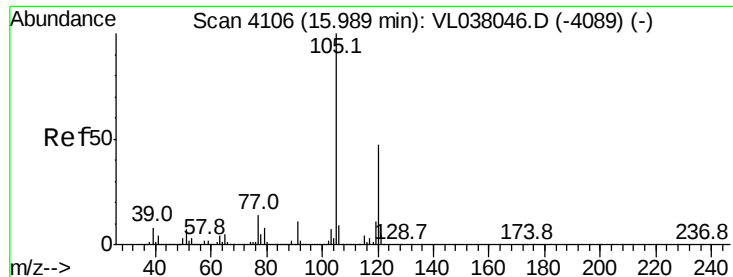
105 100

120 0.0 25.1 37.7#

91 42.2 9.7 14.5#

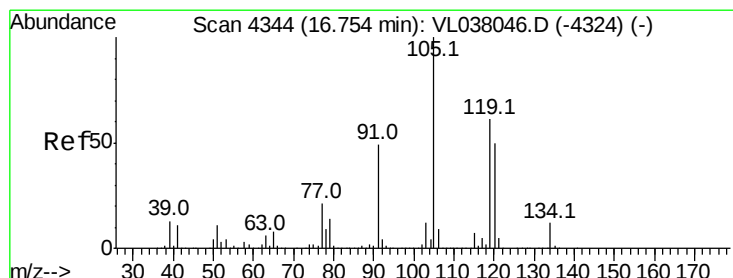
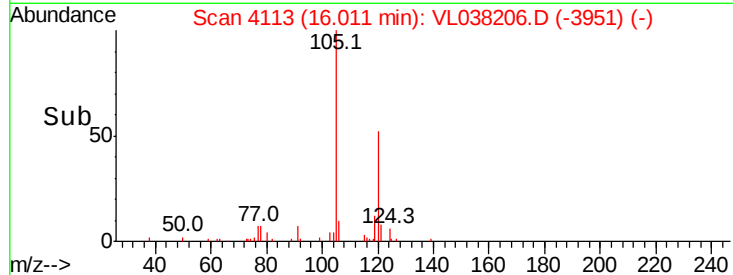
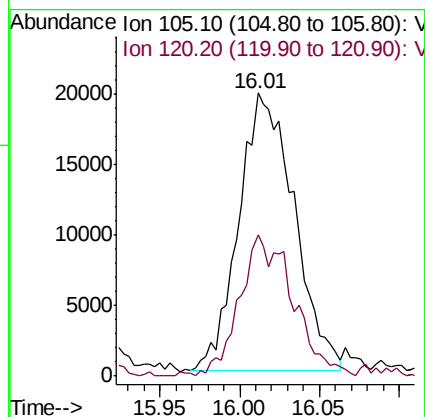
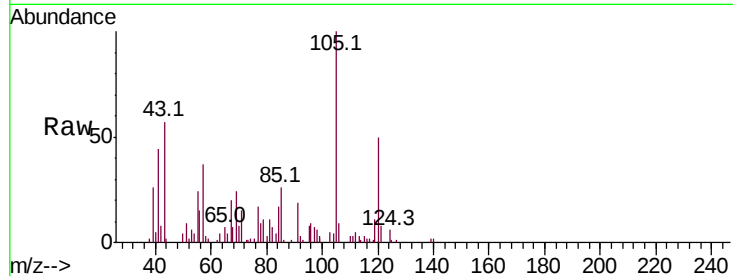
77 54.3 10.6 16.0#





#73
 1,3,5-Trimethylbenzene
 Concen: 0.250 ppbv
 RT: 16.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 2:18

Tot Ion:105 Resp: 46419
 Ion Ratio Lower Upper
 105 100
 120 50.2 37.8 56.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.879 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.03 min
 Lab File: VL038206.D
 Acq: 17 Dec 2021 2:18

Tgt Ion:105 Resp: 168301
 Ion Ratio Lower Upper
 105 100
 120 42.5 40.1 60.1
 91 9.6 39.8 59.8#
 77 11.6 16.6 25.0#

