

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL038001.D
 Acq On : 10 Nov 2021 5:19
 Operator : SY/AP
 Sample : M4598-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 06:47:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1433915	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3972542	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3471706	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2375632	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	58049	0.287	ppbv 97
3) Chlorodifluoromethane	3.00	51	3392135	12.708	ppbv 93
4) Chloromethane	3.15	50	27335	0.269	ppbv 94
7) Chloroethane	3.56	64	1581	0.045	ppbv # 70
9) Propene	3.02	41	1361997	14.231	ppbv 89
10) Heptane	8.12	43	163510	0.734	ppbv 97
11) Trichlorofluoromethane	3.96	101	37190	0.185	ppbv 92
13) Ethanol	3.61	45	907075	93.946	ppbv 89
15) Acetone	3.85	43	12753898	107.638	ppbv # 75
16) 1,3-Butadiene	3.32	39	1458174	15.618	ppbv # 18
17) tert-Butyl alcohol	4.30	59	539726	4.381	ppbv 98
19) Isopropyl Alcohol	3.97	45	471513	6.223	ppbv # 85
20) Methylene Chloride	4.35	84	788331	12.119	ppbv 96
21) Allyl Chloride	4.37	41	14471	0.132	ppbv # 8
22) trans-1,2-Dichloroethene	4.89	96	1295392	18.062	ppbv 93
23) Vinyl Acetate	5.06	43	144732	0.811	ppbv # 1
24) 1,1-Dichloroethane	4.89	63	674789	4.578	ppbv # 1
25) Ethyl Acetate	5.69	43	704951	2.003	ppbv # 80
26) Hexane	5.69	57	909725	5.456	ppbv # 47
27) Carbon Disulfide	4.55	76	33880	0.206	ppbv # 41
29) Chloroform	5.76	83	42308	0.170	ppbv 95
30) Cyclohexane	7.14	84	9457	0.066	ppbv # 1
31) cis-1,2-Dichloroethene	5.56	61	143938	0.946	ppbv 97
34) 2-Butanone	5.25	43	10220554	69.432	ppbv 96
36) Benzene	6.89	78	269627	0.833	ppbv # 89
38) Trichloroethene	7.84	130	5143072	38.303	ppbv 97
39) 1,2-Dichloropropane	7.83	63	8064	0.066	ppbv # 1
40) 1,4-Dioxane	7.84	88	6925	0.216	ppbv # 1
41) Tetrahydrofuran	6.06	42	47468	0.659	ppbv 92
44) 2,2,4-Trimethylpentane	7.87	57	236392	0.430	ppbv # 75
50) 4-Methyl-2-Pentanone	8.75	43	37783	0.195	ppbv # 35
51) 2-Hexanone	10.13	43	801227	9.829	ppbv # 99
52) Tetrachloroethene	11.22	164	600951	4.897	ppbv 98
53) Toluene	9.81	91	2519178	7.264	ppbv 100
58) Ethyl Benzene	12.71	91	761893	1.795	ppbv 99
59) m/p-Xylene	12.96	91	2495671	6.614	ppbv 95
60) o-Xylene	13.69	91	873584	2.455	ppbv 97
61) Styrene	13.53	104	172389	1.055	ppbv 98
63) 1,1,2,2-Tetrachloroethane	13.68	83	9526	0.031	ppbv # 26
64) n-propylbenzene	15.56	120	18362	0.142	ppbv # 1
66) Benzyl Chloride	17.04	91	1591	0.068	ppbv # 1

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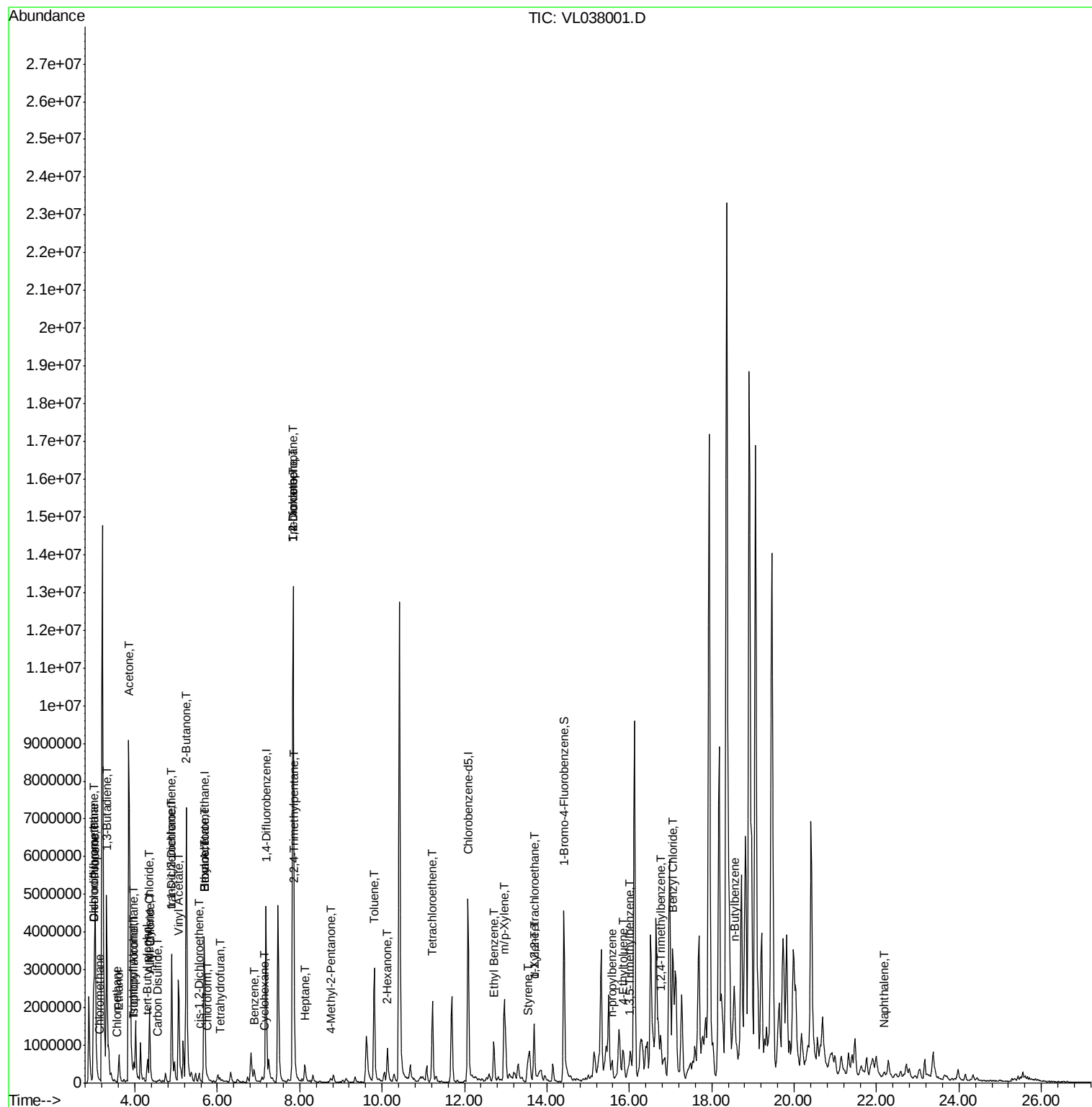
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) n-Butylbenzene	18.54	91	14711	0.033	ppbv #	4
72) 4-Ethyltoluene	15.84	105	256675	0.630	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.00	105	190404	0.499	ppbv	91
74) 1,2,4-Trimethylbenzene	16.76	105	724627	1.812	ppbv #	76
79) Naphthalene	22.19	128	13355	0.058	ppbv #	91

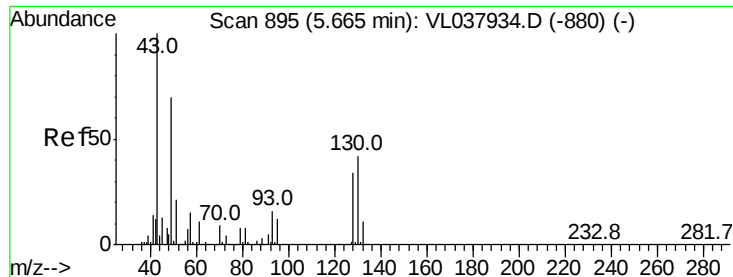
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 5:19

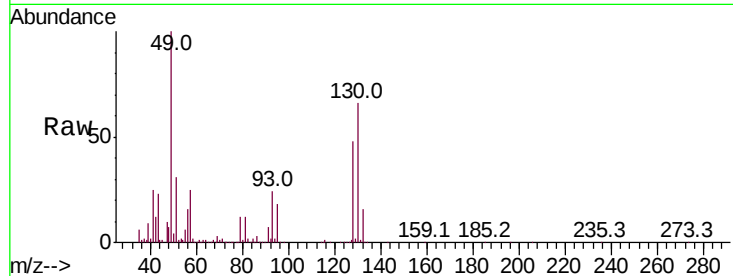
Tot Ion: 49 Resp: 1433915

Ion Ratio Lower Upper

49 100

128 50.5 27.0 81.0

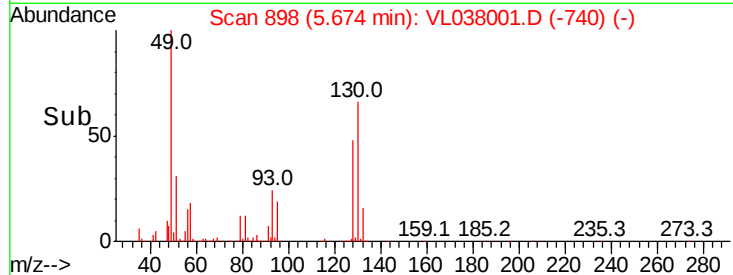
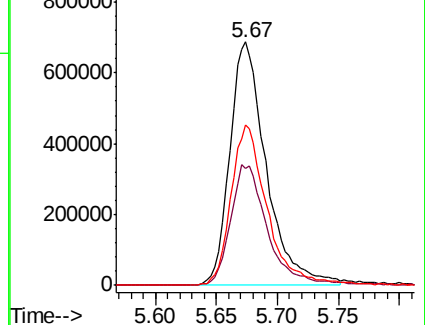
130 65.8 33.4 100.2



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: 0.287 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.05 min

Lab File: VL038001.D

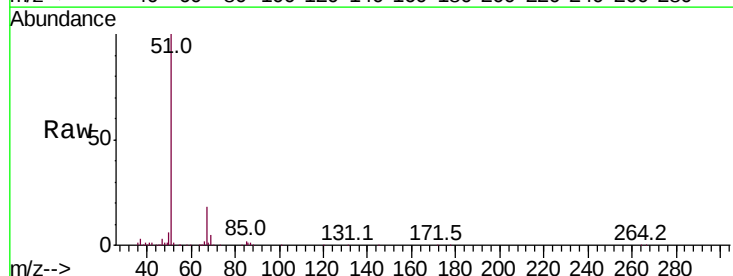
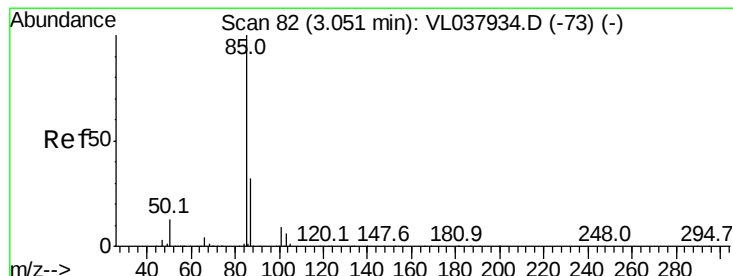
Acq: 10 Nov 2021 5:19

Tgt Ion: 85 Resp: 58049

Ion Ratio Lower Upper

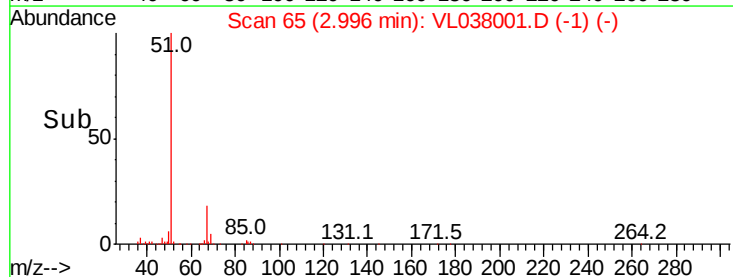
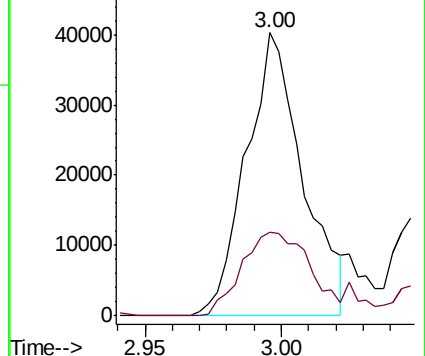
85 100

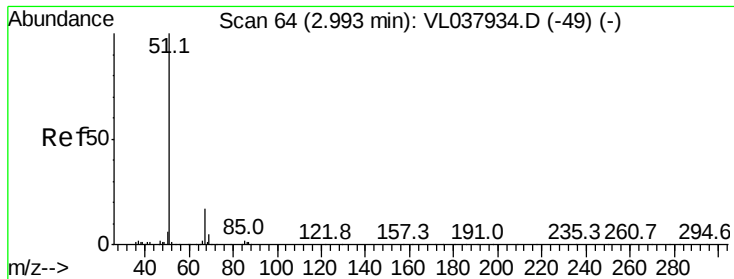
87 29.7 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.708 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

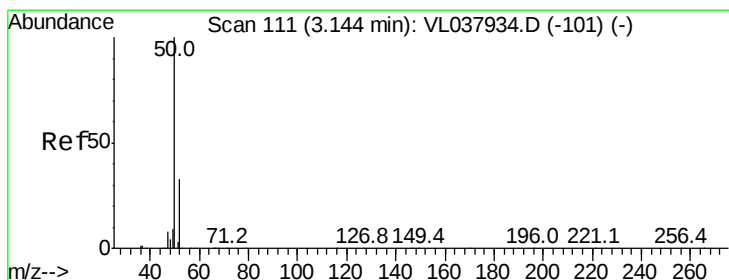
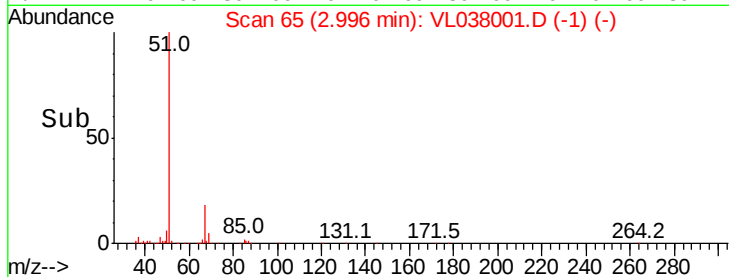
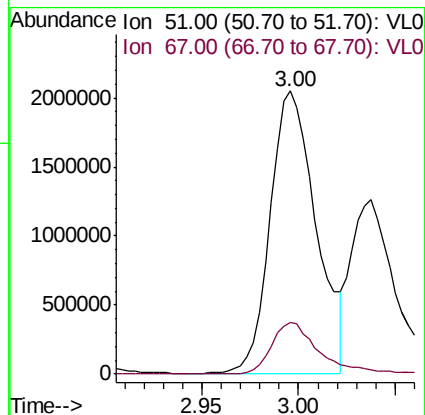
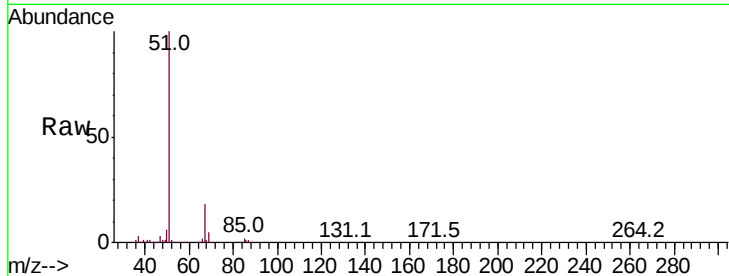
Acq: 10 Nov 2021 5:19

Tot Ion: 51 Resp: 3392135

Ion Ratio Lower Upper

51 100

67 19.7 13.4 20.0



#4

Chloromethane

Concen: 0.269 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038001.D

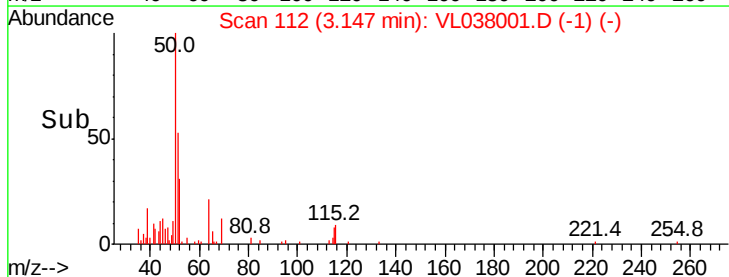
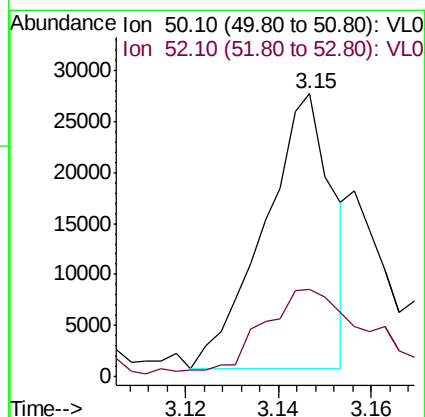
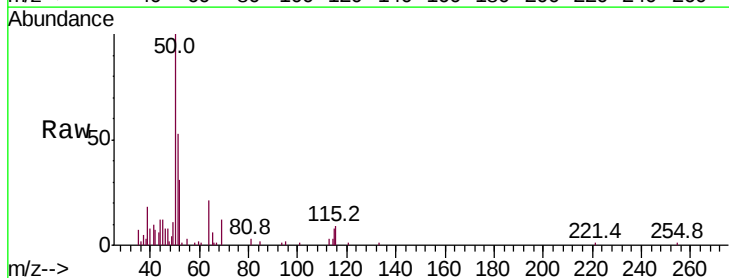
Acq: 10 Nov 2021 5:19

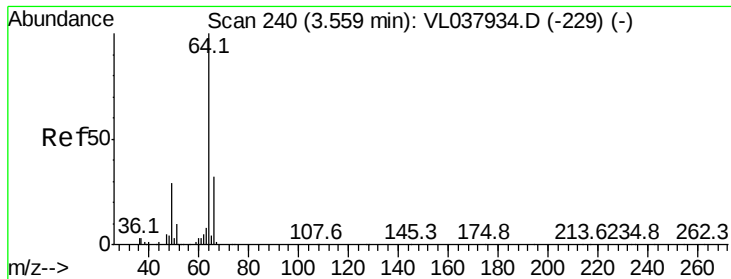
Tgt Ion: 50 Resp: 27335

Ion Ratio Lower Upper

50 100

52 29.3 26.3 39.5





#7

Chloroethane

Concen: 0.045 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

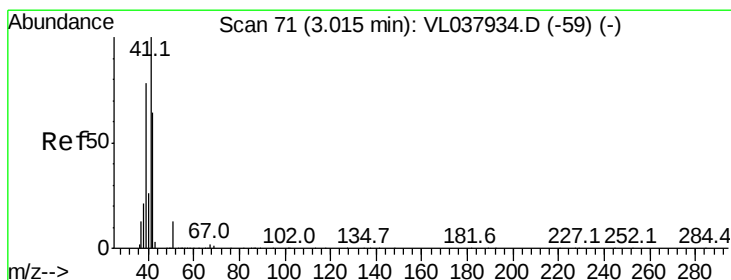
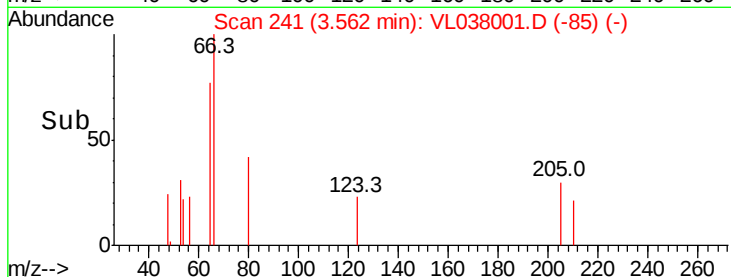
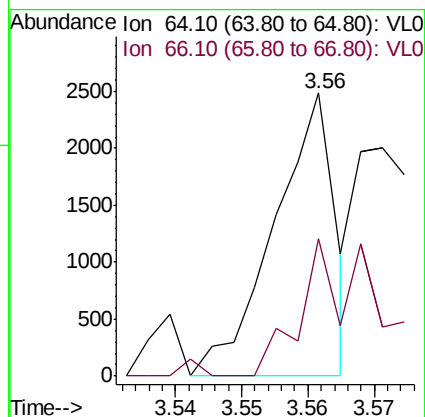
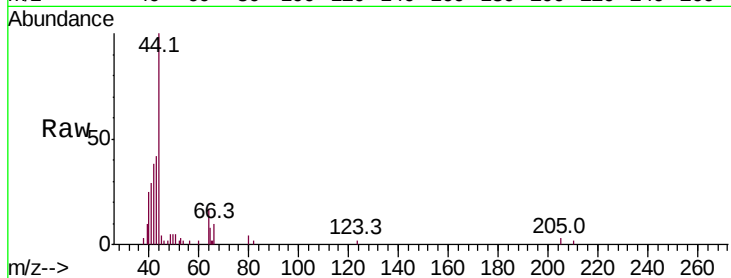
Acq: 10 Nov 2021 5:19

Tot Ion: 64 Resp: 1581

Ion Ratio Lower Upper

64 100

66 48.6 25.5 38.3#



#9

Propene

Concen: 14.231 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL038001.D

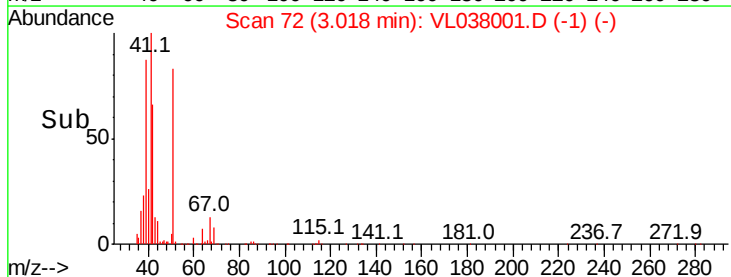
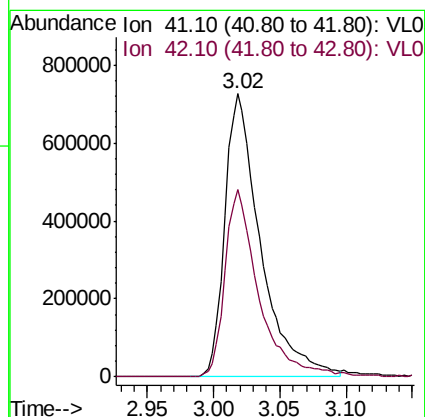
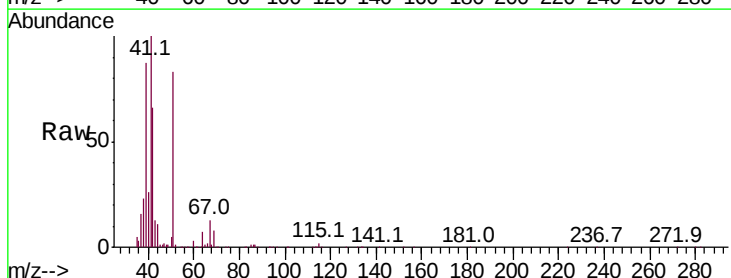
Acq: 10 Nov 2021 5:19

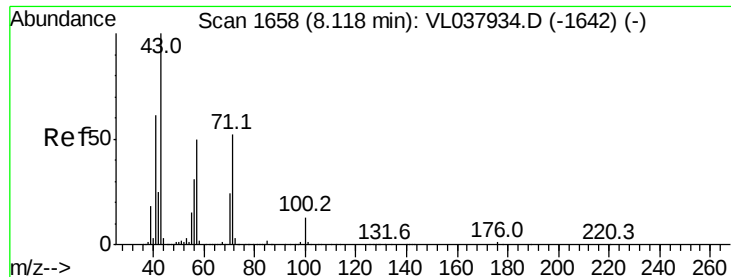
Tgt Ion: 41 Resp: 1361997

Ion Ratio Lower Upper

41 100

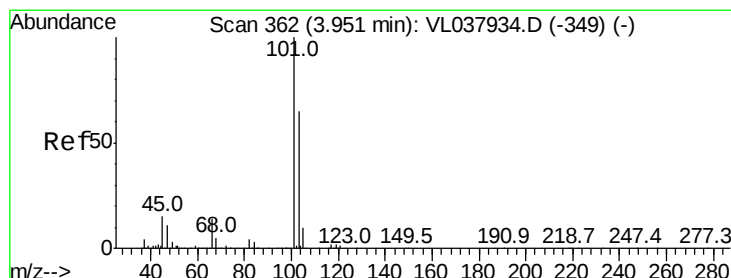
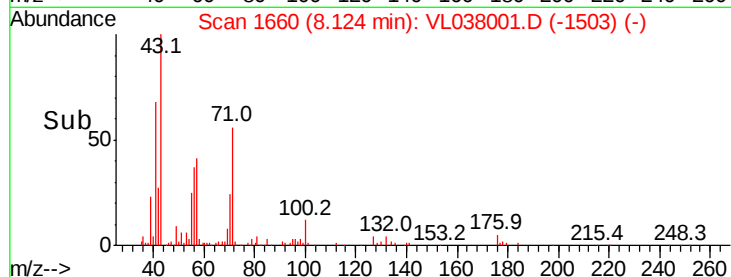
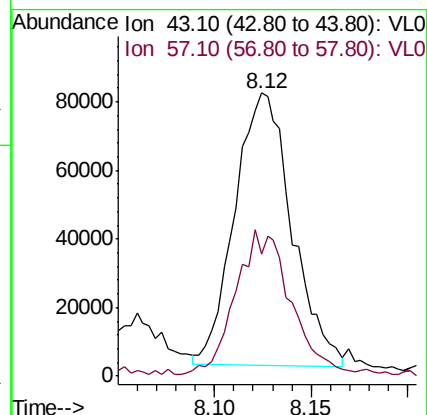
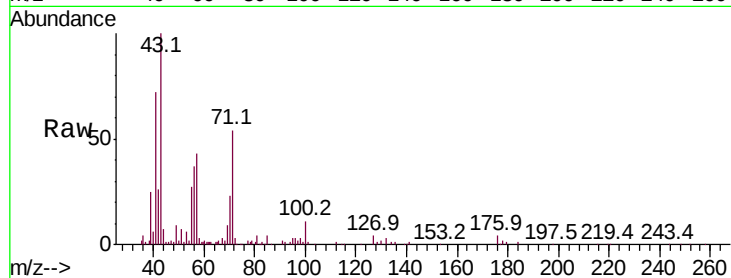
42 63.0 57.6 86.4





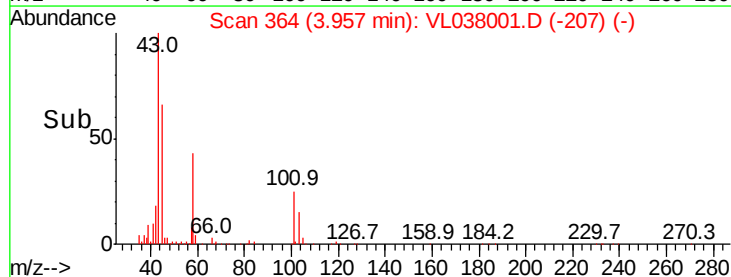
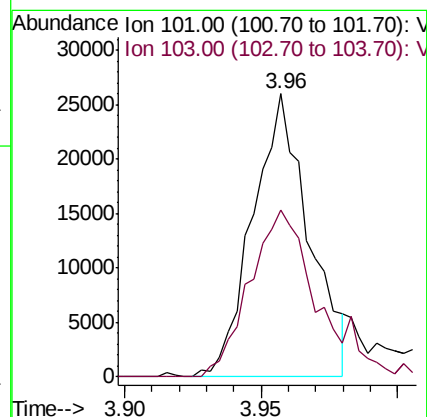
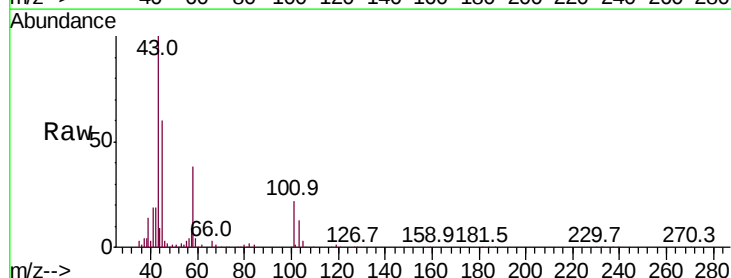
#10
 Heptane
 Concen: 0.734 ppbv
 RT: 8.12
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 5:19

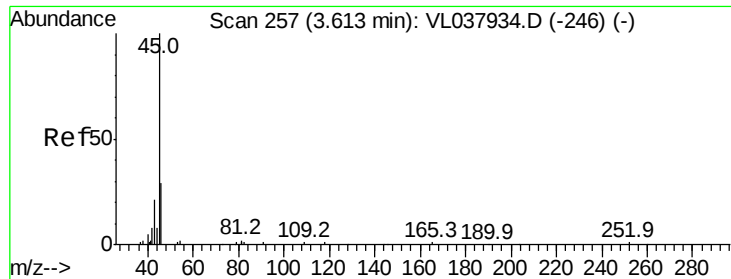
Tot Ion: 43 Resp: 163510
 Ion Ratio Lower Upper
 43 100
 57 52.1 39.8 59.8



#11
 Trichlorofluoromethane
 Concen: 0.185 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL038001.D
 Acq: 10 Nov 2021 5:19

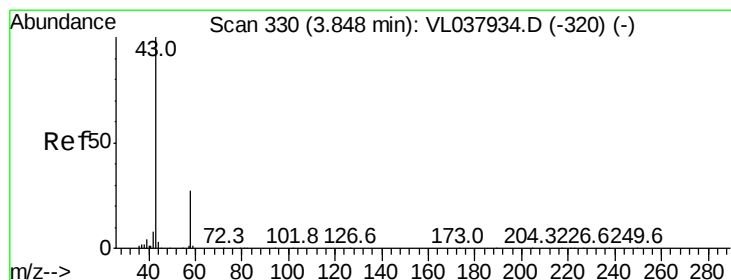
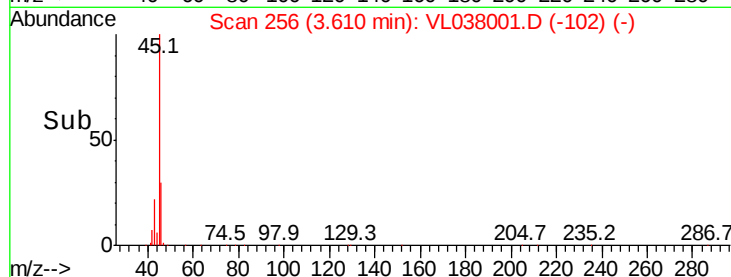
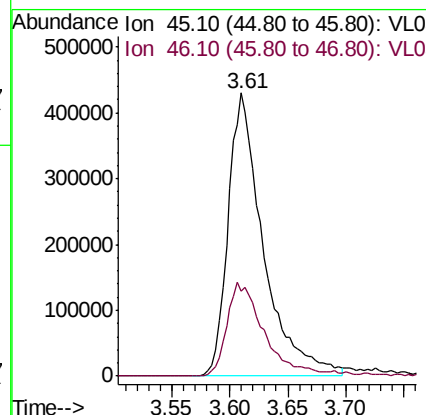
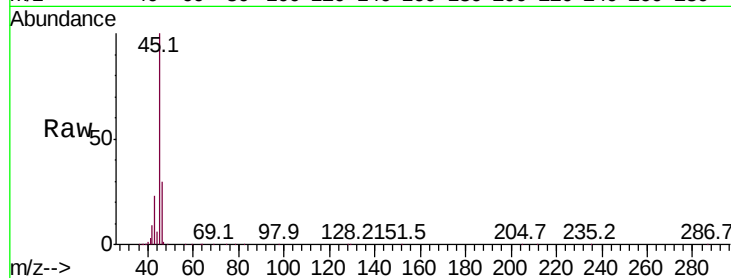
Tgt Ion:101 Resp: 37190
 Ion Ratio Lower Upper
 101 100
 103 58.8 52.0 78.0





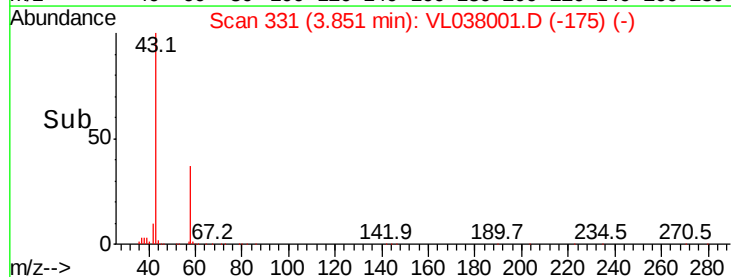
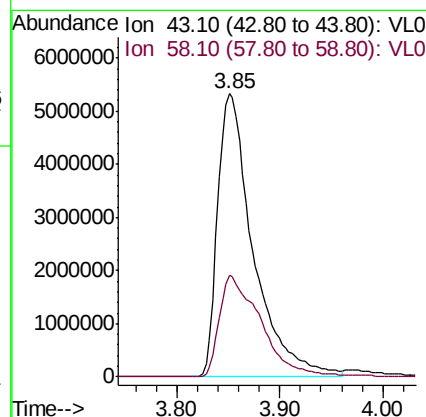
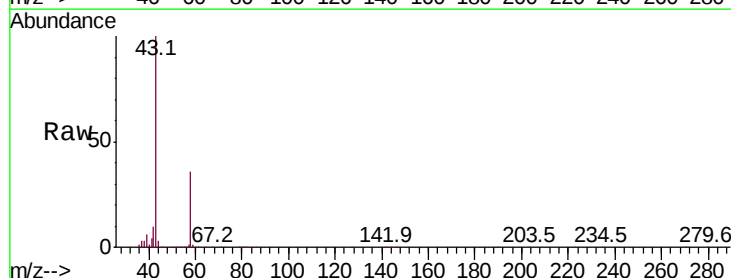
#13
 Ethanol
 Concen: 93.946 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 5:19

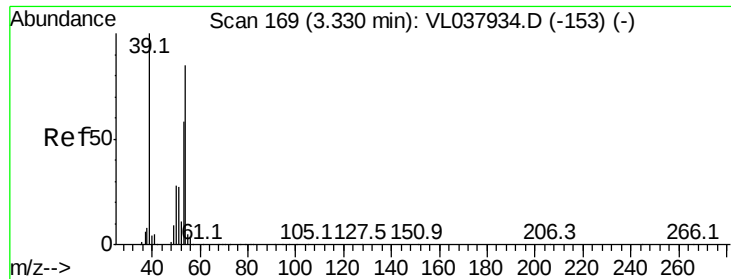
Tot Ion: 45 Resp: 907075
 Ion Ratio Lower Upper
 45 100
 46 36.7 17.4 69.8



#15
 Acetone
 Concen: 107.638 ppbv
 RT: 3.85 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL038001.D
 Acq: 10 Nov 2021 5:19

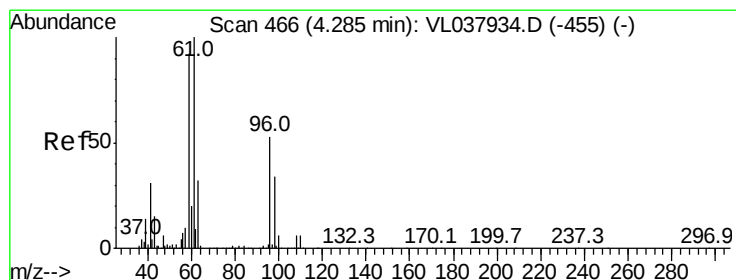
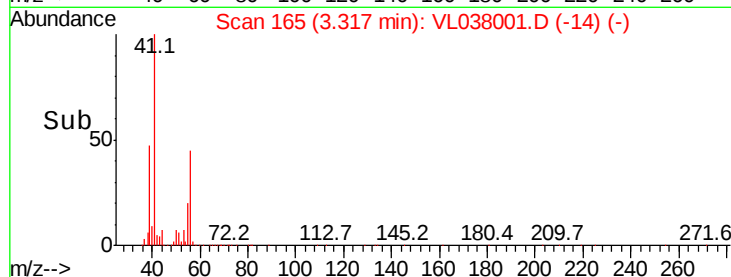
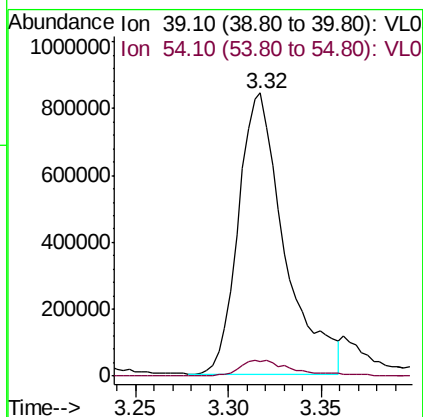
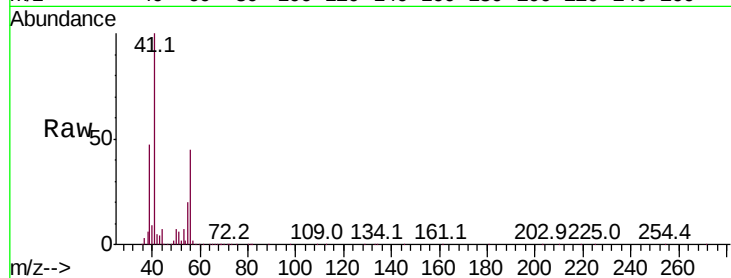
Tgt Ion: 43 Resp: 12753898
 Ion Ratio Lower Upper
 43 100
 58 42.6 23.3 34.9#





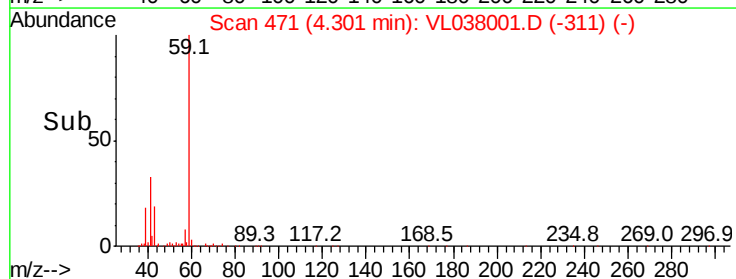
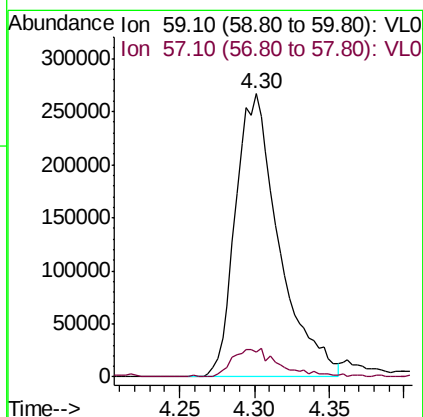
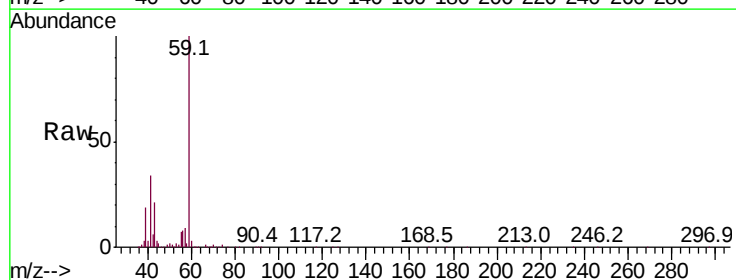
#16
 1,3-Butadiene
 Concen: 15.618 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 5:19

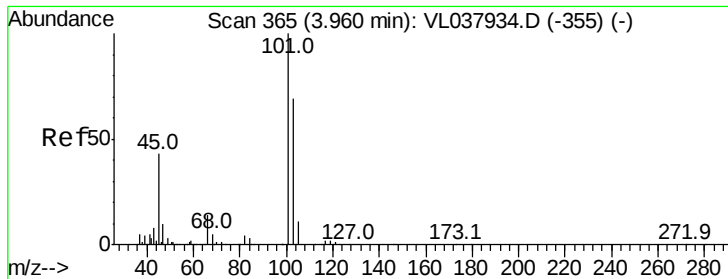
Tot Ion: 39 Resp: 1458174
 Ion Ratio Lower Upper
 39 100
 54 6.9 62.6 93.8#



#17
 tert-Butyl alcohol
 Concen: 4.381 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VL038001.D
 Acq: 10 Nov 2021 5:19

Tgt Ion: 59 Resp: 539726
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.9 13.3





#19

Isopropyl Alcohol

Concen: 6.223 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

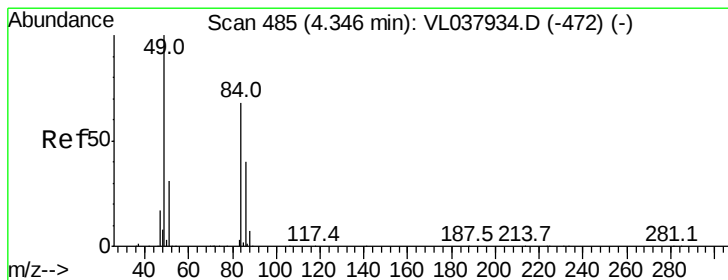
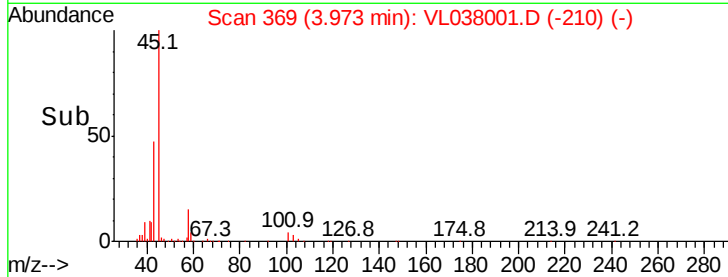
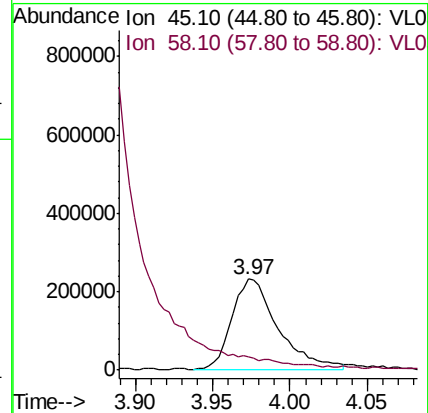
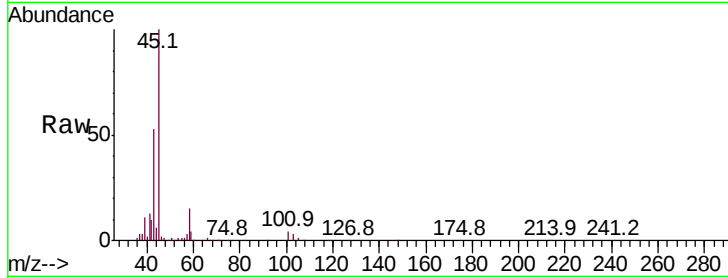
Acq: 10 Nov 2021 5:19

Tot Ion: 45 Resp: 471513

Ion Ratio Lower Upper

45 100

58 0.0 4.0 6.0#



#20

Methylene Chloride

Concen: 12.119 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

Tgt Ion: 84 Resp: 788331

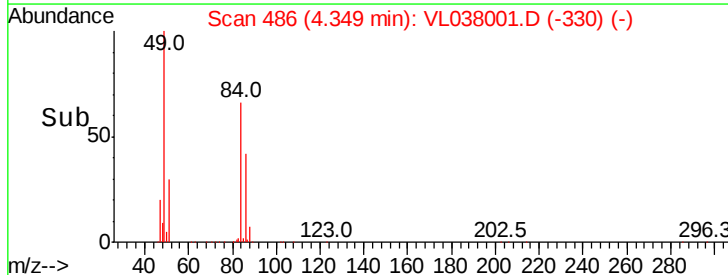
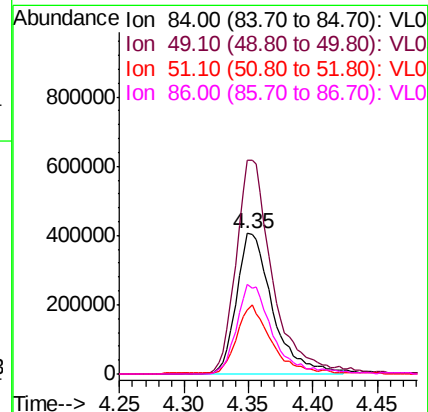
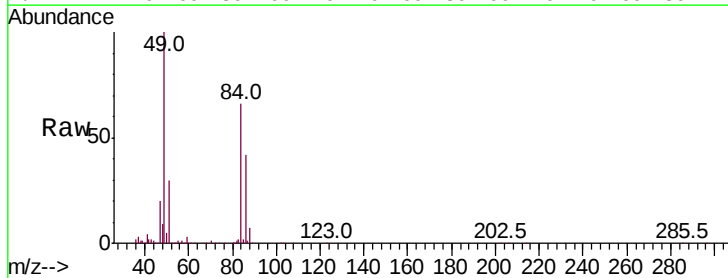
Ion Ratio Lower Upper

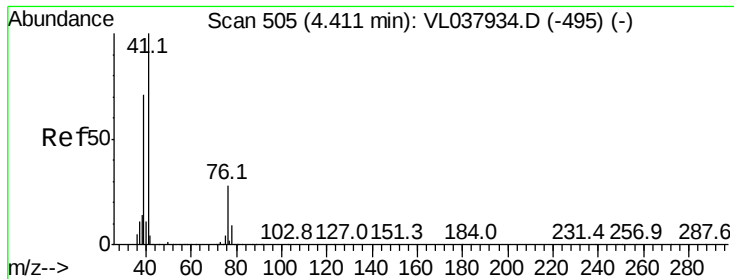
84 100

49 151.7 117.5 176.3

51 44.7 35.9 53.9

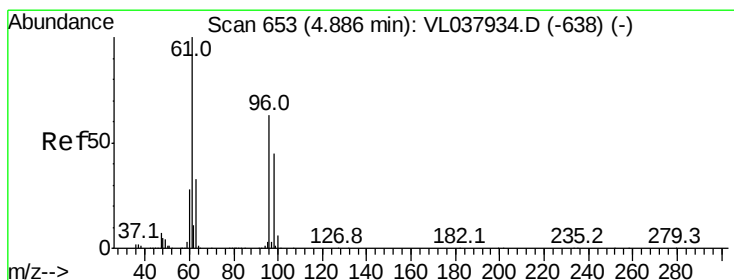
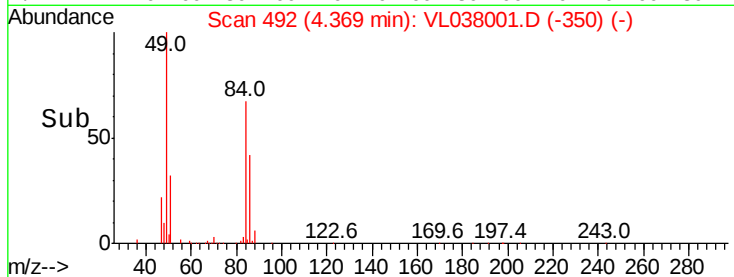
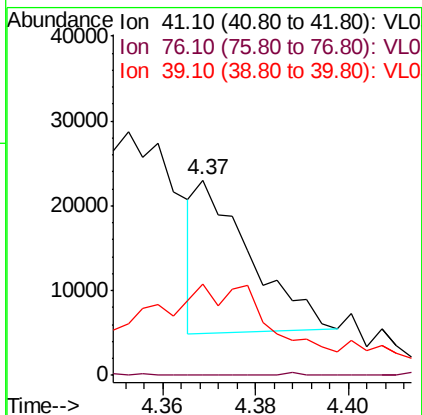
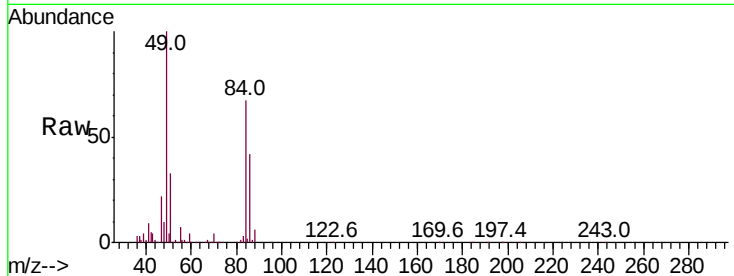
86 63.9 47.3 70.9





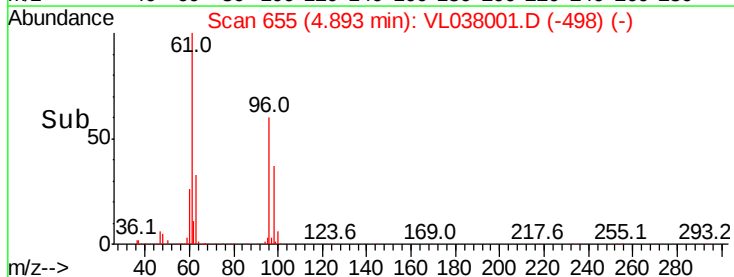
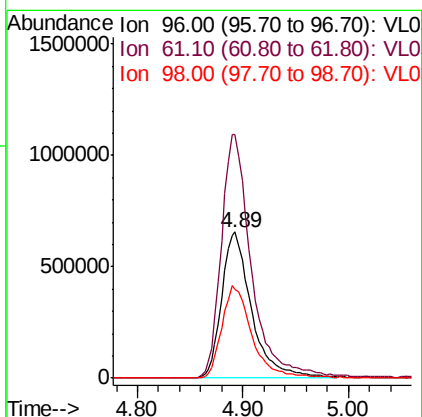
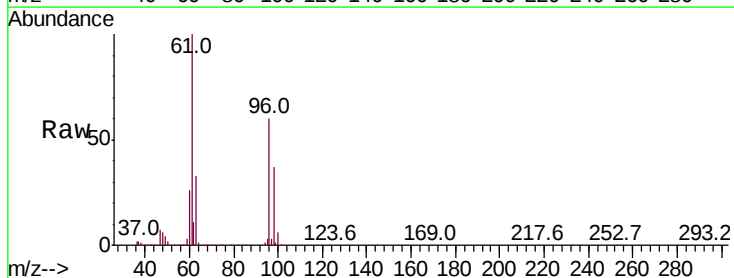
#21
Allvl Chloride
Concen: 0.132 ppbv
RT: 4.37
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 Nov 2021 5:19

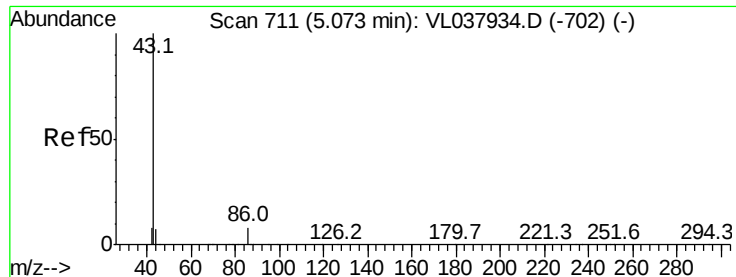
Tot Ion: 41 Resp: 14471
Ion Ratio Lower Upper
41 100
76 0.0 23.6 35.4#
39 165.8 59.7 89.5#



#22
trans-1,2-Dichloroethene
Concen: 18.062 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.01 min
Lab File: VL038001.D
Acq: 10 Nov 2021 5:19

Tgt Ion: 96 Resp: 1295392
Ion Ratio Lower Upper
96 100
61 166.3 127.8 191.6
98 60.8 56.9 85.3





#23

Vinyl Acetate

Concen: 0.811 ppbv

RT: 5.06 Instrument:

Delta R.T. MSVOA_L

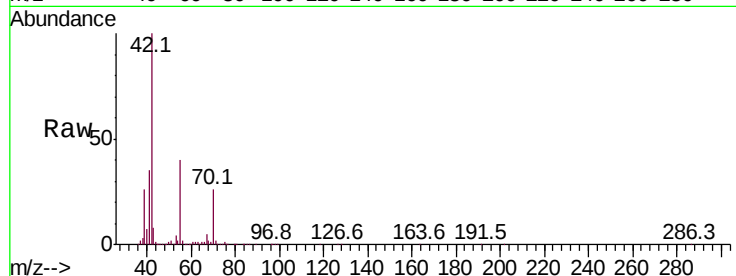
Lab File: ClientSampleId:

Acq: 10 Nov 2021 5:19

Tot Ion: 43 Resp: 144732

Ion Ratio Lower Upper

43	100		
86	2.8	5.5	8.3#
42	1291.7	7.4	11.2#
44	2.8	4.7	7.1#

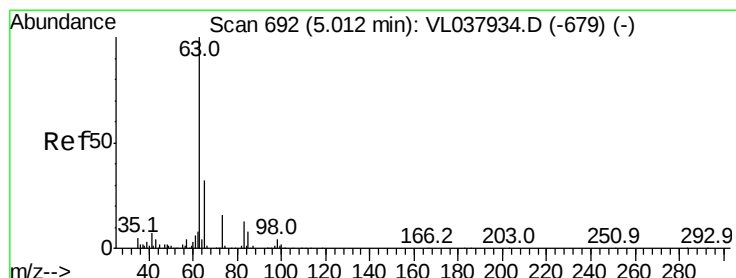
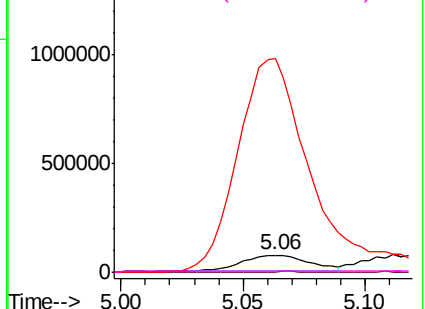
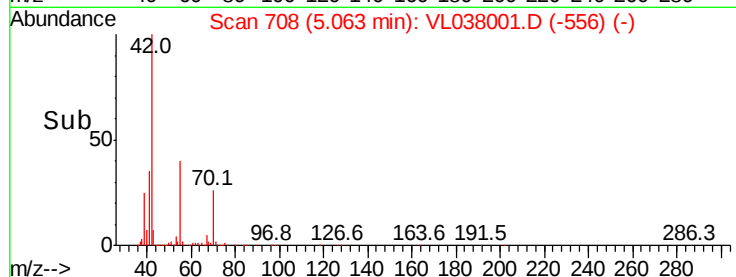


Abundance Ion 43.10 (42.80 to 43.80): VL0

1500000 Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 4.578 ppbv

RT: 4.89 min Scan# 655

Delta R.T. -0.12 min

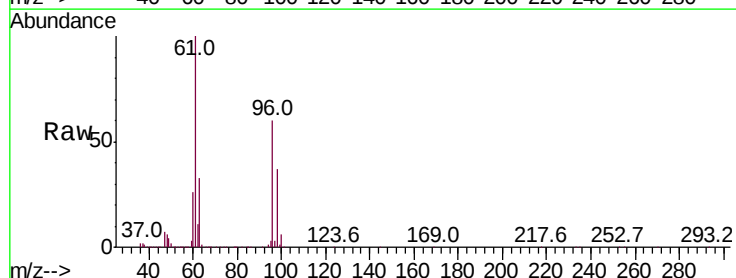
Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

Tgt Ion: 63 Resp: 674789

Ion Ratio Lower Upper

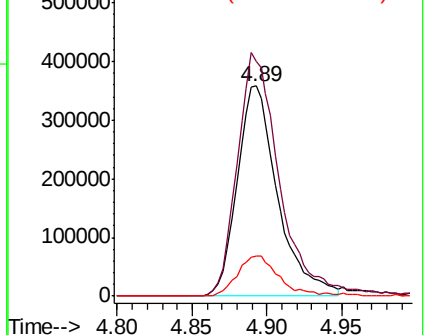
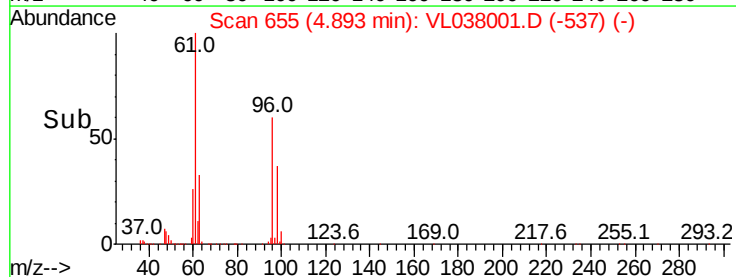
63	100		
98	111.4	2.3	6.9#
100	19.1	1.2	3.6#

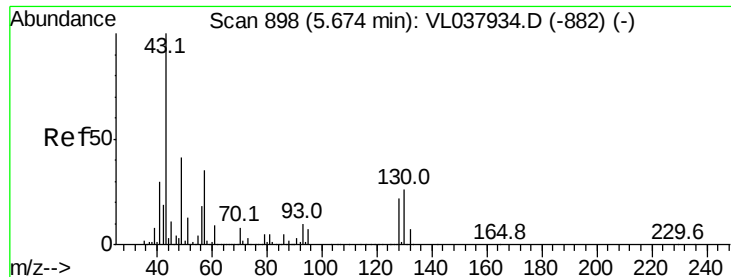


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

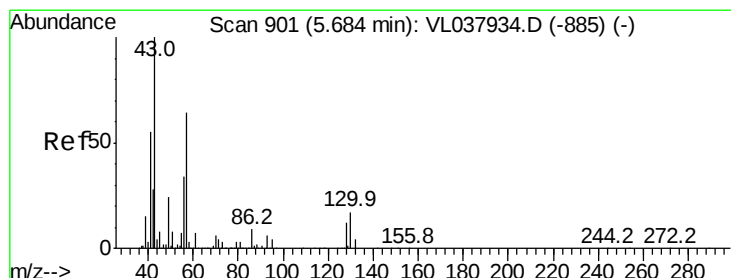
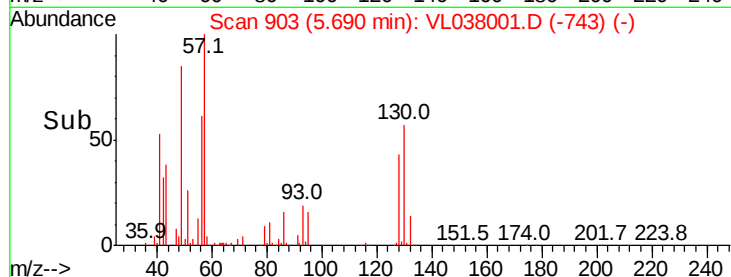
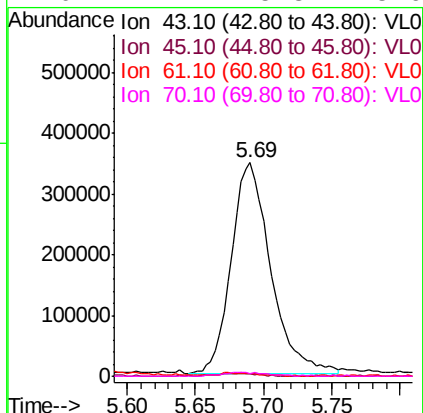
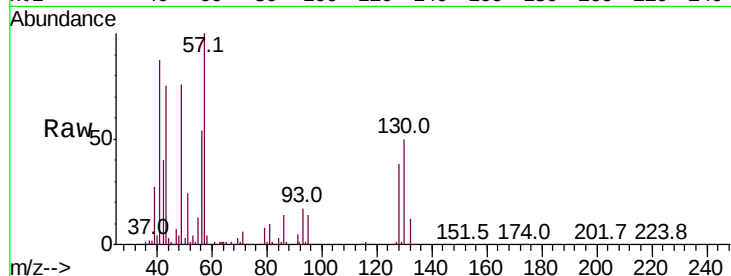
Ion 100.00 (99.70 to 100.70): VL0





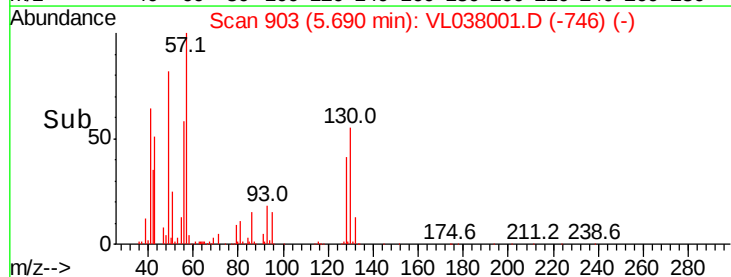
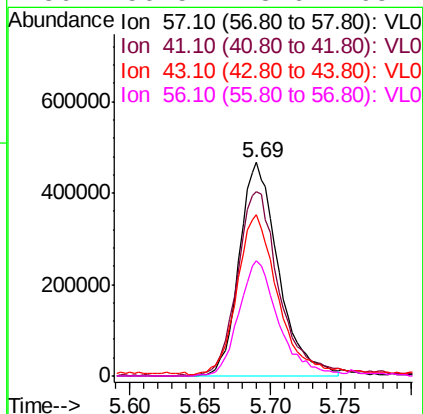
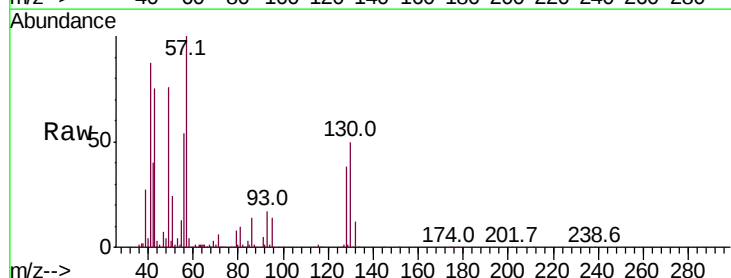
#25
Ethyl Acetate
Concen: 2.003 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 5:19

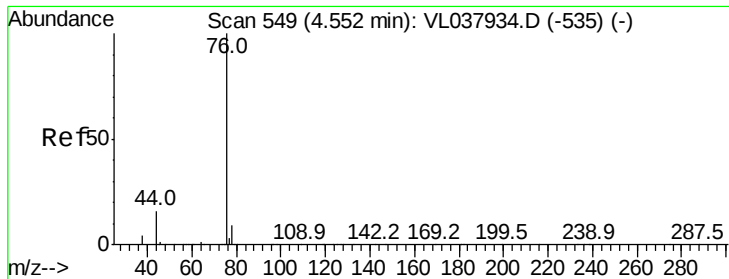
Tot Ion:	43	Resp:	704951
Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.1	12.1#
61	1.6	8.1	12.1#
70	2.4	5.8	8.6#



#26
Hexane
Concen: 5.456 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038001.D
Acq: 10 Nov 2021 5:19

Tgt Ion:	57	Resp:	909725
Ion	Ratio	Lower	Upper
57	100		
41	93.9	71.0	106.6
43	79.5	173.0	259.6#
56	56.5	43.6	65.4





#27

Carbon Disulfide

Concen: 0.206 ppbv

RT: 4.55 Instrument:

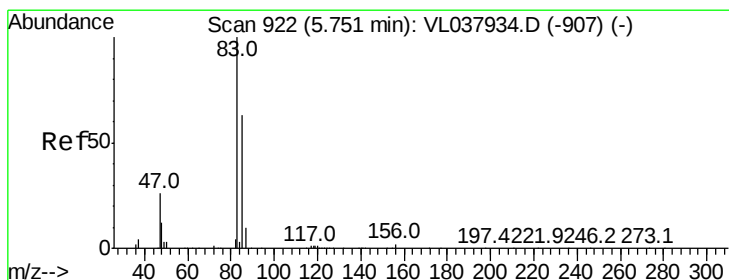
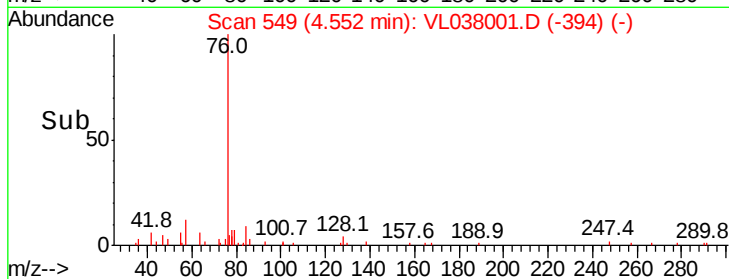
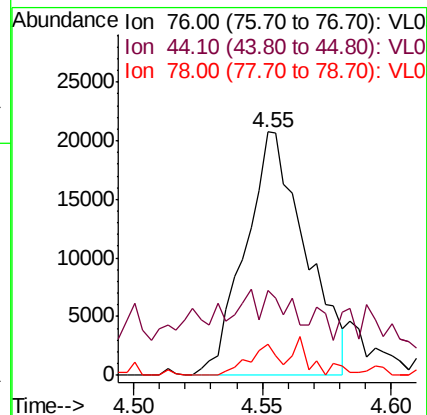
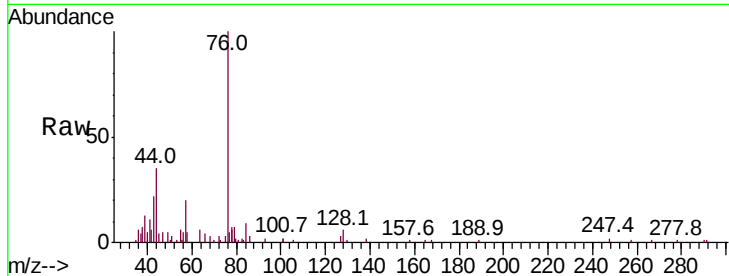
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 5:19

Tot Ion: 76 Resp: 33880

Ion	Ratio	Lower	Upper
76	100		
44	49.8	13.2	19.8#
78	0.0	7.2	10.8#



#29

Chloroform

Concen: 0.170 ppbv

RT: 5.76 min Scan# 924

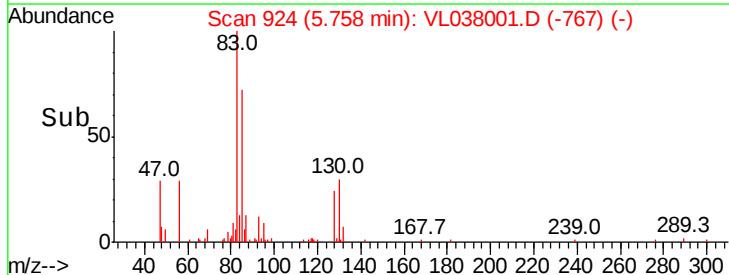
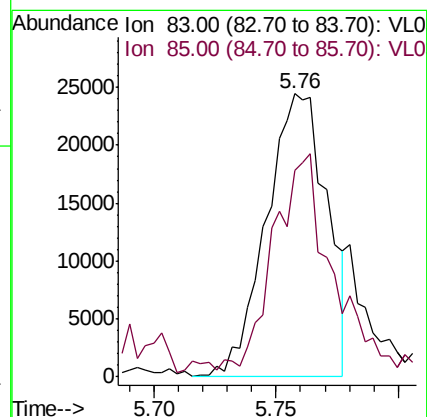
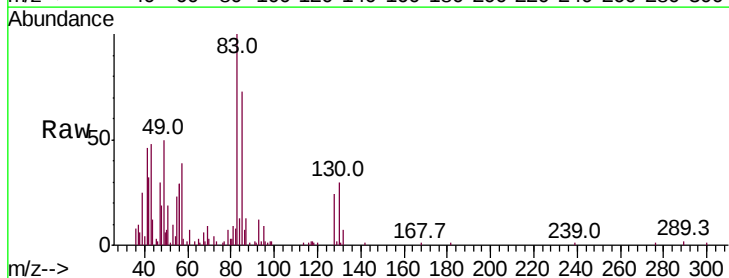
Delta R.T. 0.01 min

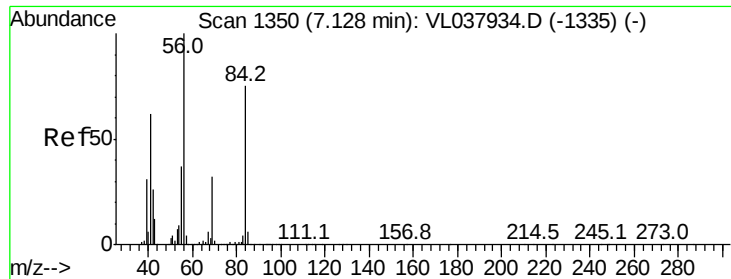
Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

Tgt Ion: 83 Resp: 42308

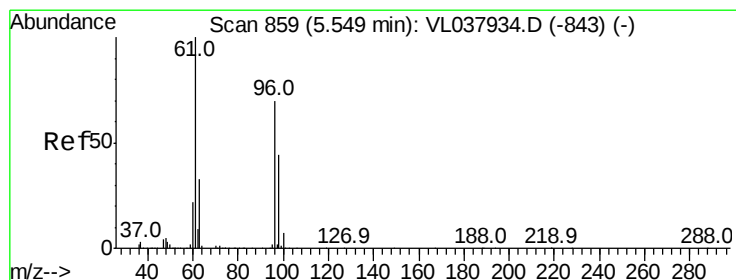
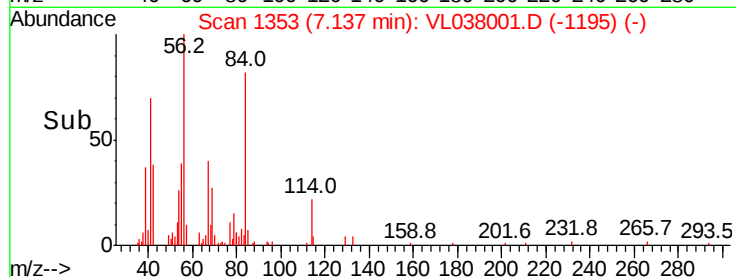
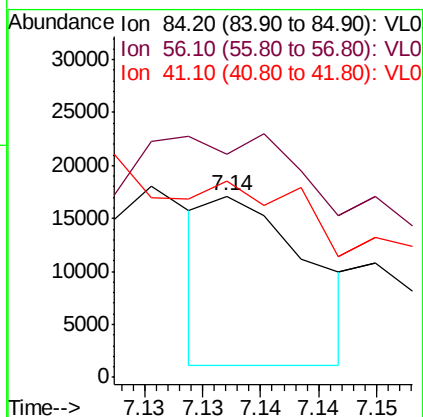
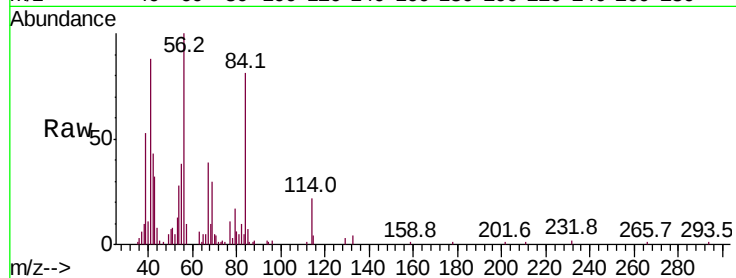
Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.6	76.0





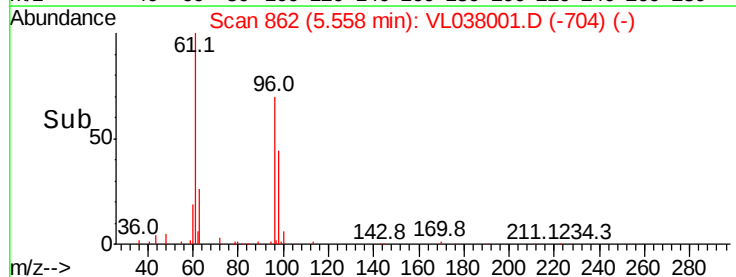
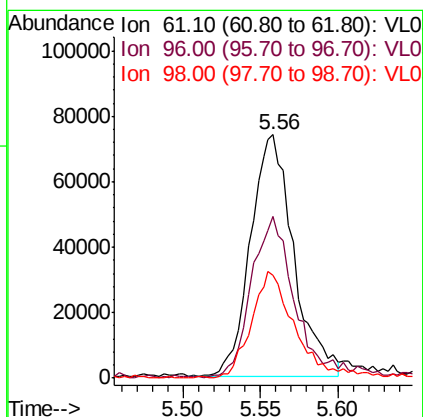
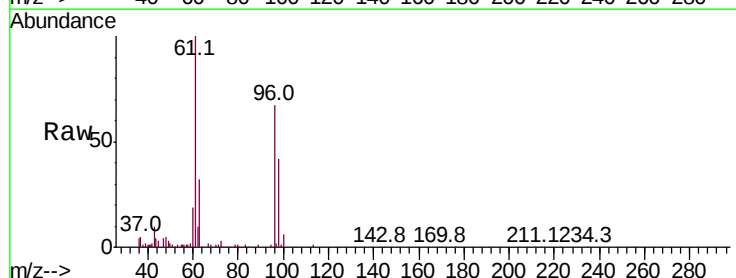
#30
Cvclohexane
Concen: 0.066 ppbv
RT: 7.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 Nov 2021 5:19

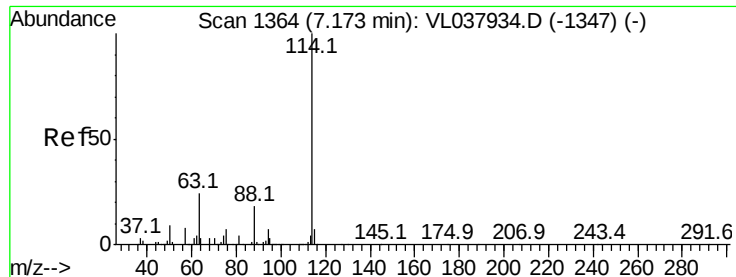
Tot Ion: 84 Resp: 9457
Ion Ratio Lower Upper
84 100
56 0.0 114.0 171.0#
41 0.0 68.3 102.5#



#31
cis-1,2-Dichloroethene
Concen: 0.946 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL038001.D
Acq: 10 Nov 2021 5:19

Tgt Ion: 61 Resp: 143938
Ion Ratio Lower Upper
61 100
96 66.5 55.6 83.4
98 42.0 34.9 52.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_1

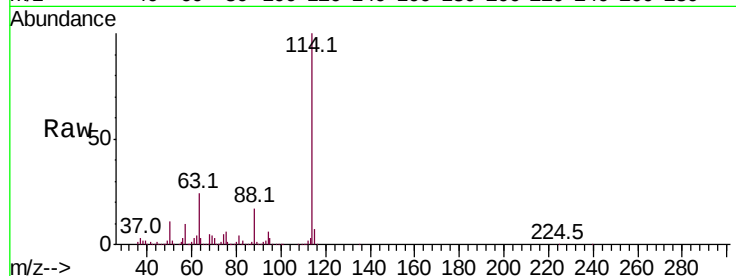
Delta R.T. ClientSampleId:

Lab File:

Acq: 10 Nov 2021 5:19

Tot Ion:114 Resp: 3972542

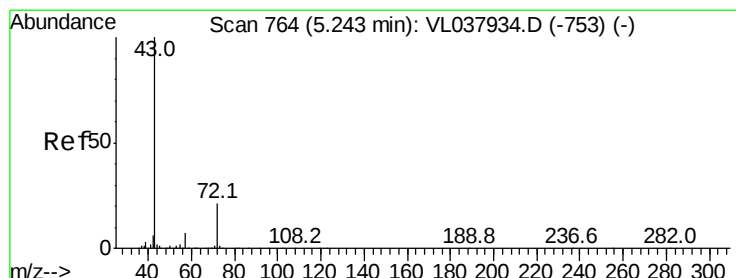
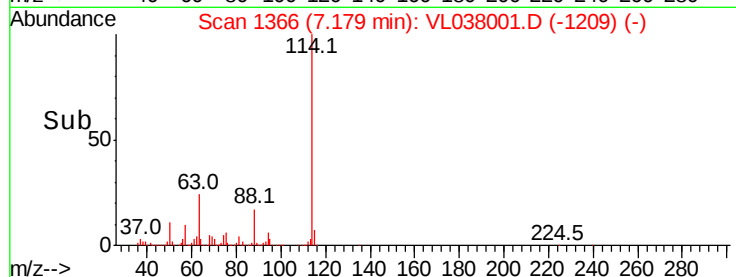
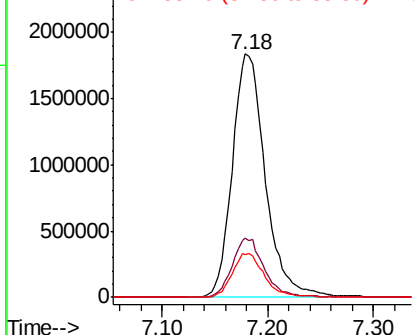
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	17.9	14.2	21.4



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: 69.432 ppbv

RT: 5.25 min Scan# 765

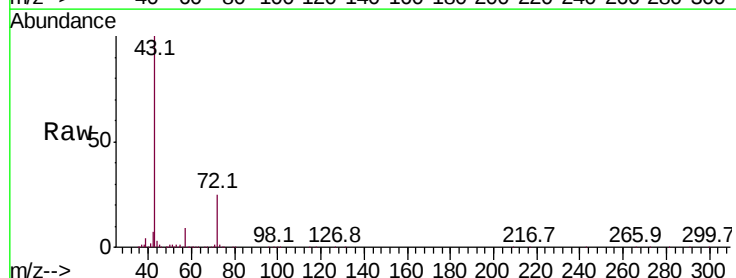
Delta R.T. 0.00 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

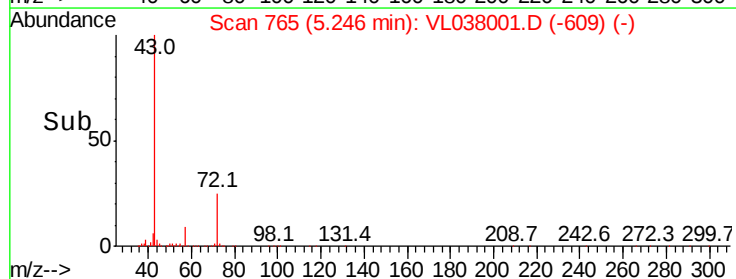
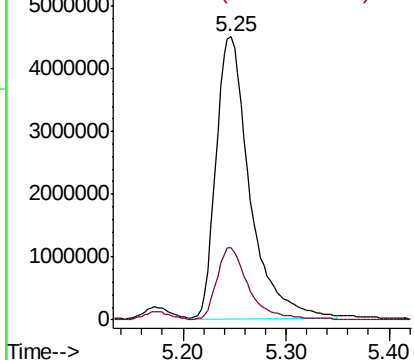
Tgt Ion: 43 Resp:10220554

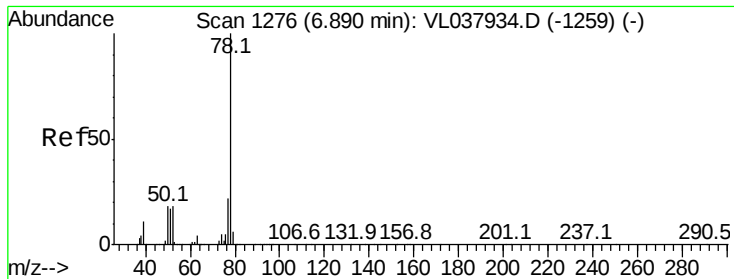
Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.3	27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.833 ppbv

RT: 6.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 5:19

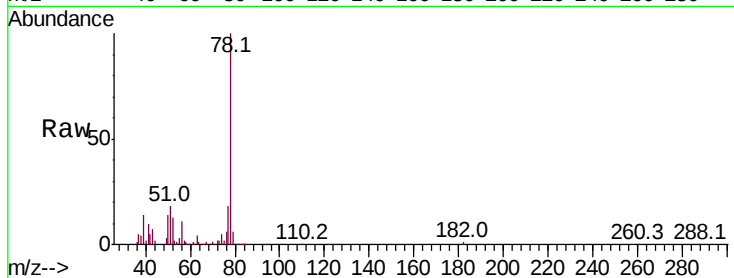
Tot Ion: 78 Resp: 269627

Ion Ratio Lower Upper

78 100

77 17.0 17.9 26.9#

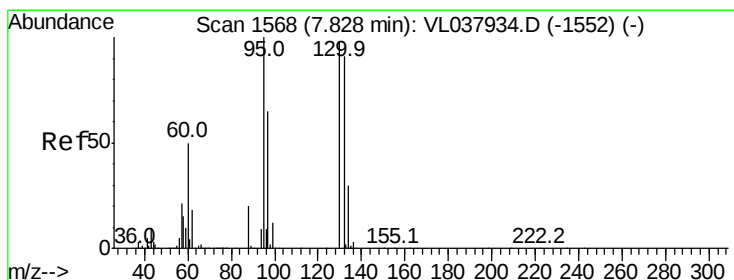
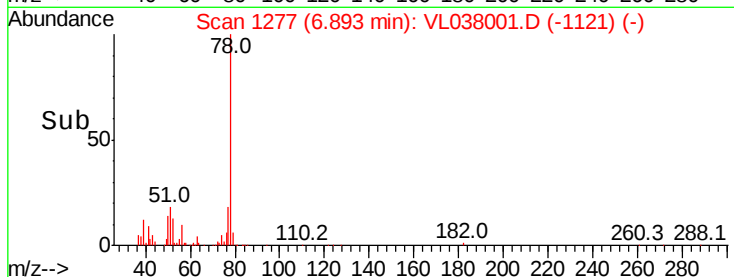
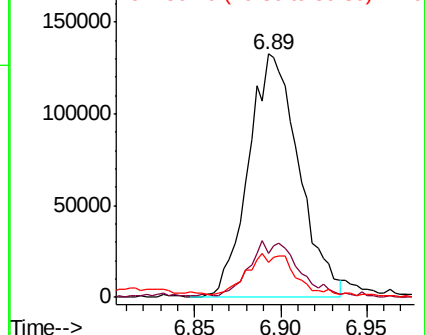
50 13.0 14.4 21.6#



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 38.303 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

Tgt Ion:130 Resp: 5143072

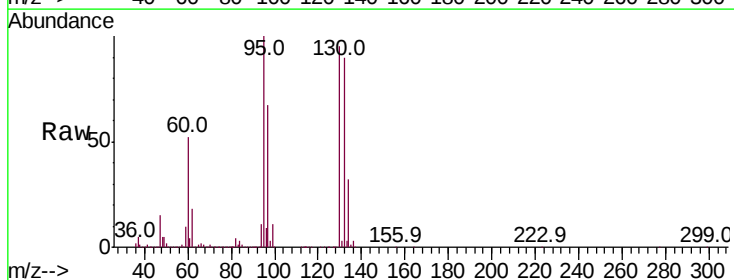
Ion Ratio Lower Upper

130 100

95 105.6 81.8 122.8

132 94.7 74.2 111.2

97 70.3 53.4 80.2

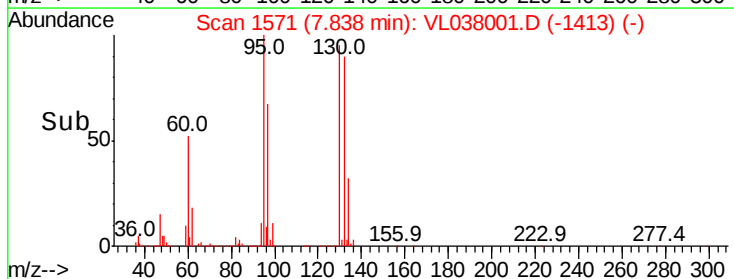
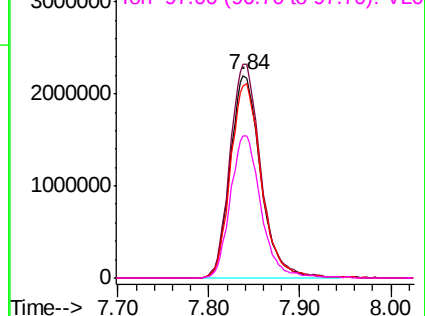


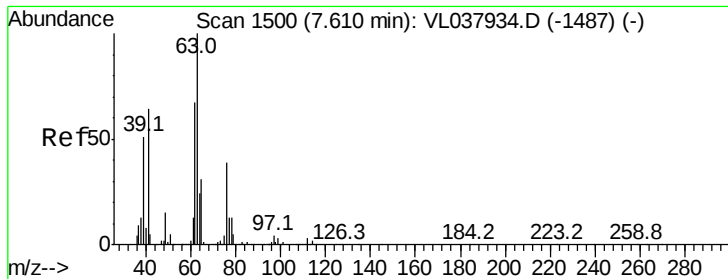
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.066 ppbv

RT: 7.83 Instrument:

Delta R.T. MSVOA_1

Lab File:

Acq: 10 Nov 2021 5:19

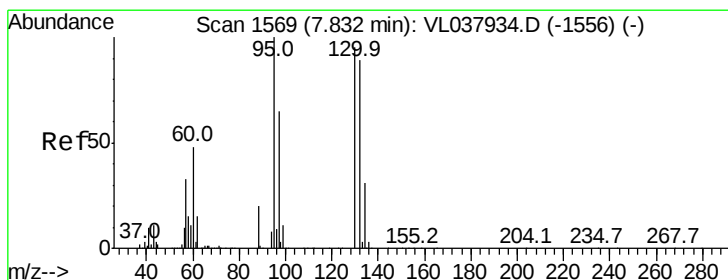
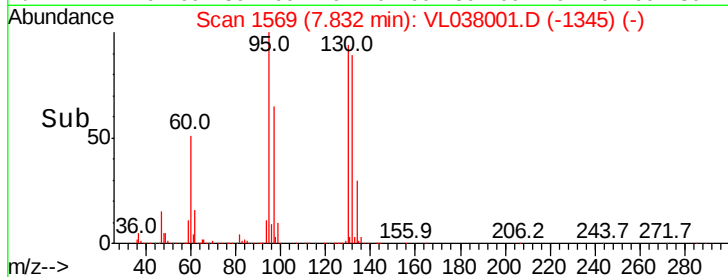
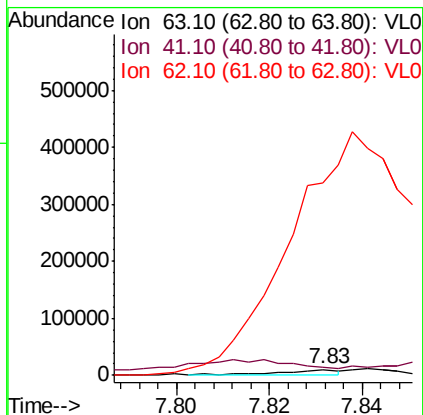
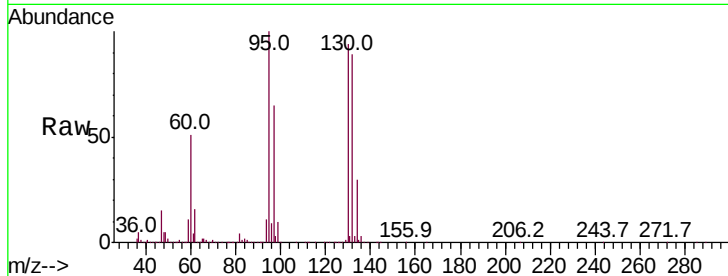
Tot Ion: 63 Resp: 8064

Ion Ratio Lower Upper

63 100

41 12.3 51.6 77.4#

62 3634.6 53.5 80.3#



#40

1,4-Dioxane

Concen: 0.216 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

Tgt Ion: 88 Resp: 6925

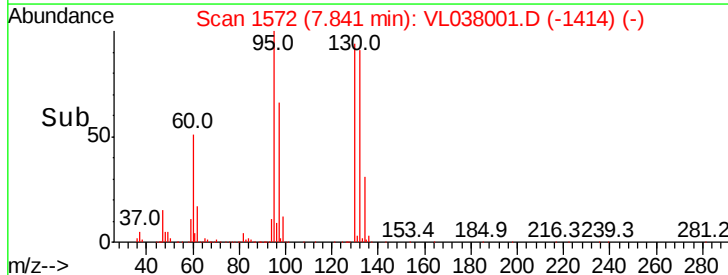
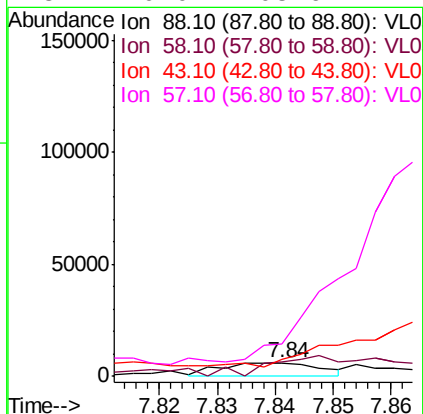
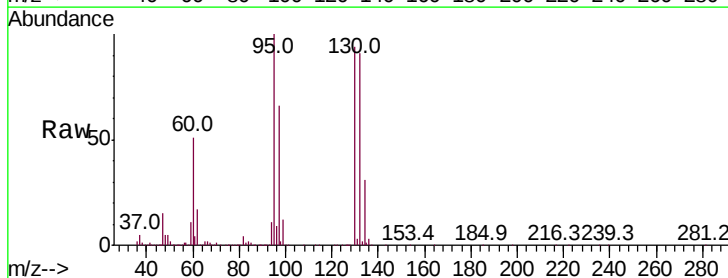
Ion Ratio Lower Upper

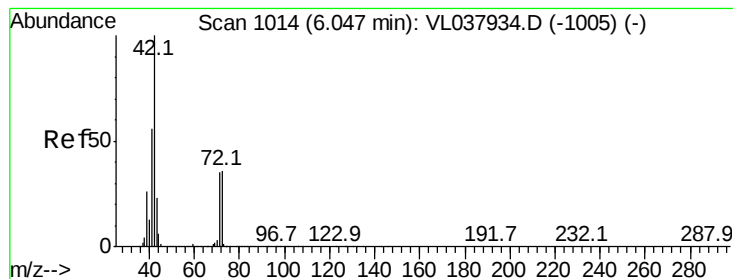
88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#





#41

Tetrahydrofuran

Concen: 0.659 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 5:19

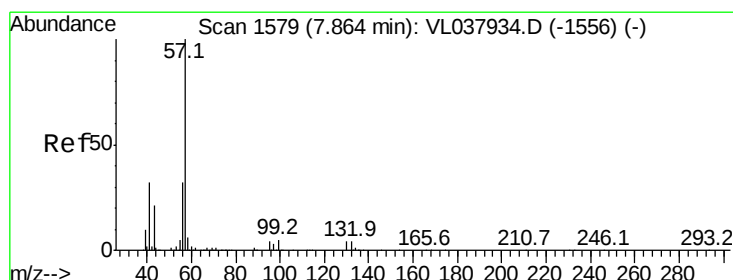
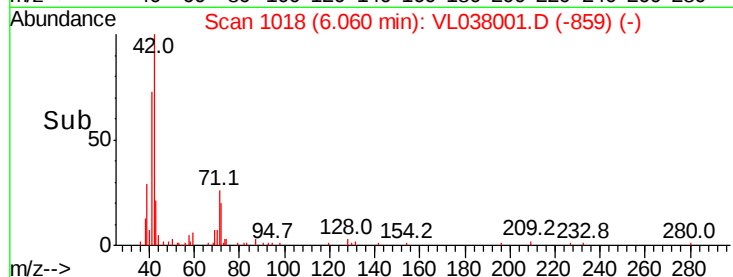
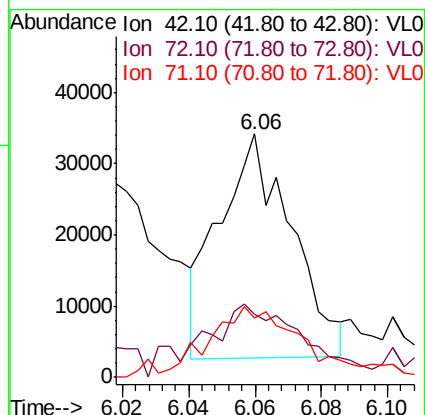
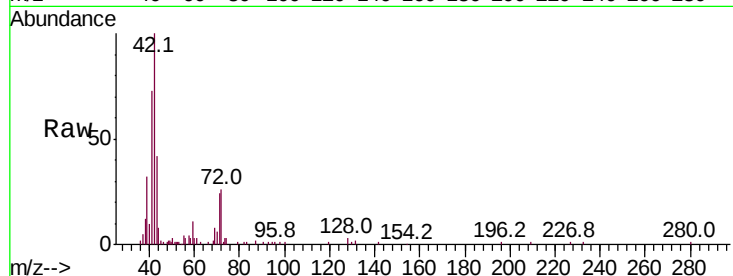
Tot Ion: 42 Resp: 47468

Ion Ratio Lower Upper

42 100

72 42.4 31.5 47.3

71 44.6 30.5 45.7



#44

2,2,4-Trimethylpentane

Concen: 0.430 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

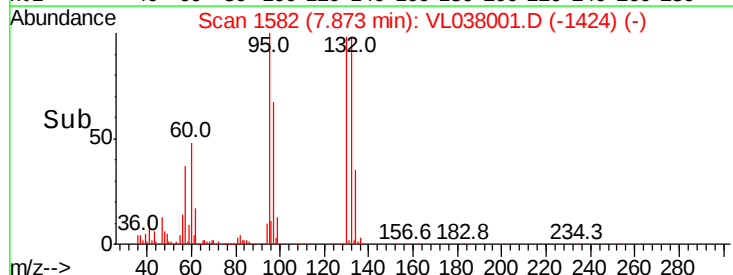
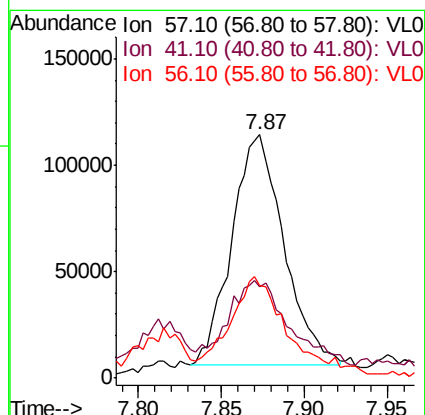
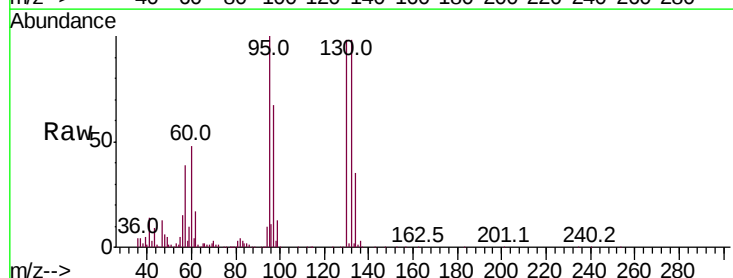
Tgt Ion: 57 Resp: 236392

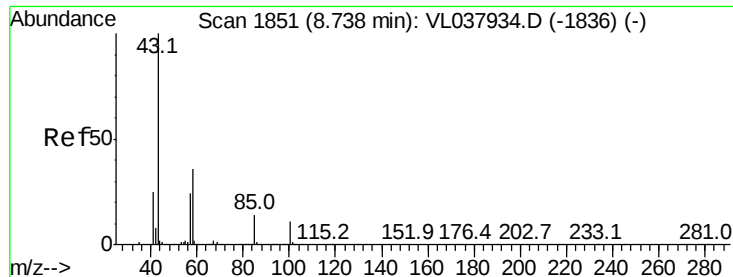
Ion Ratio Lower Upper

57 100

41 42.4 25.8 38.8#

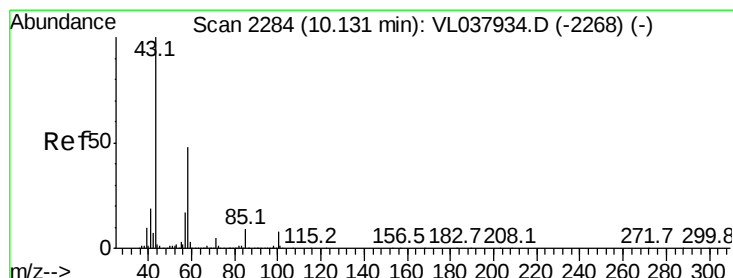
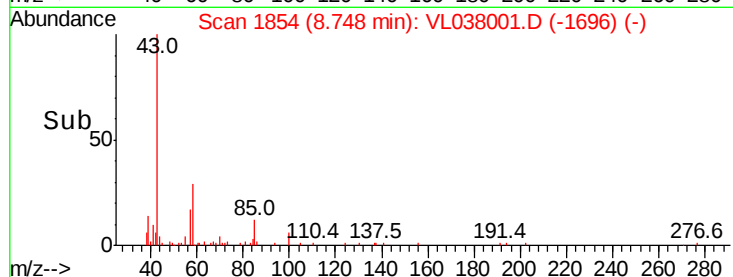
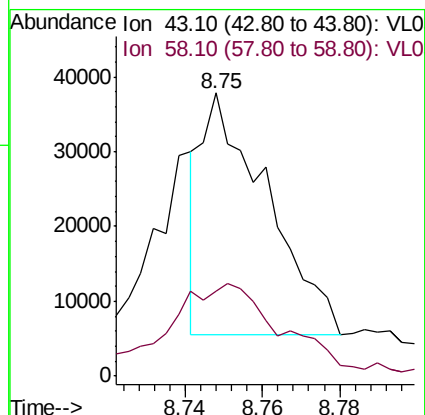
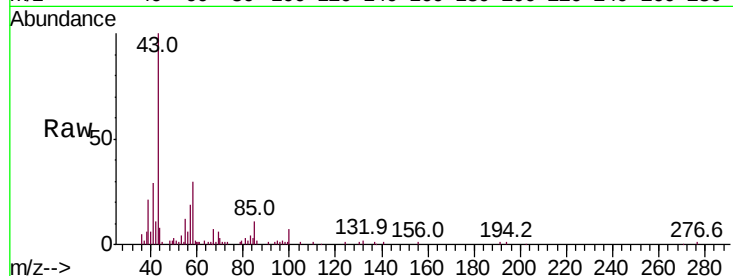
56 50.8 25.9 38.9#





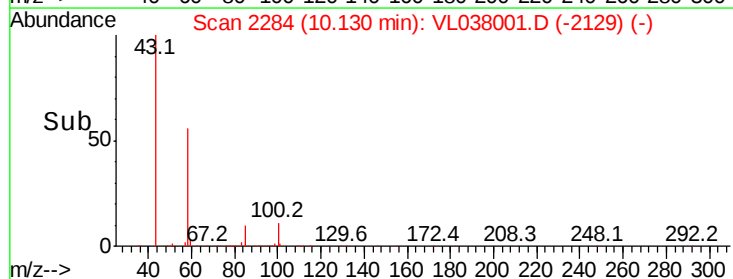
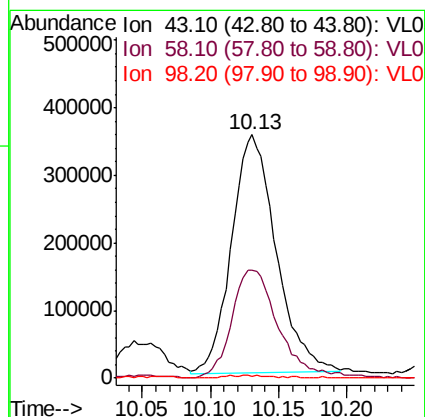
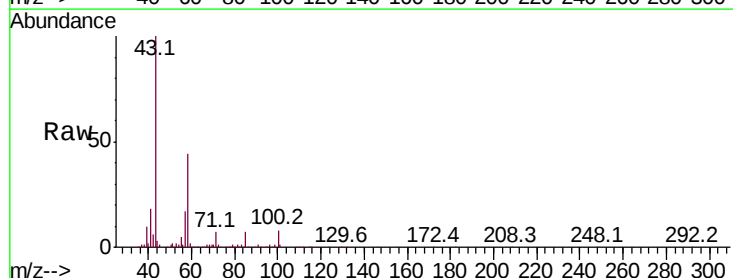
#50
4-Methyl-2-Pentanone
Concen: 0.195 ppbv
RT: 8.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 Nov 2021 5:19

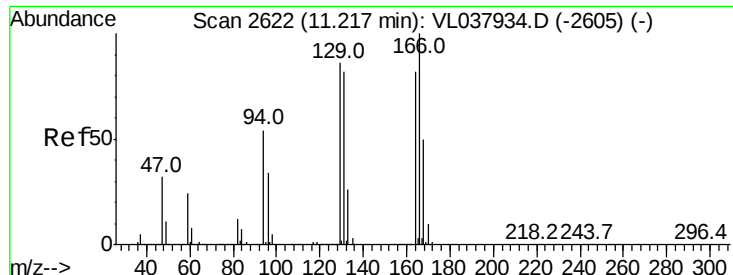
Tot Ion: 43 Resp: 37783
Ion Ratio Lower Upper
43 100
58 74.2 28.8 43.2#



#51
2-Hexanone
Concen: 9.829 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL038001.D
Acq: 10 Nov 2021 5:19

Tgt Ion: 43 Resp: 801227
Ion Ratio Lower Upper
43 100
58 47.5 38.6 57.8
98 1.6 1.0 1.4#





#52

Tetrachloroethene

Concen: 4.897 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 5:19

Tot Ion: 164 Resp: 600951

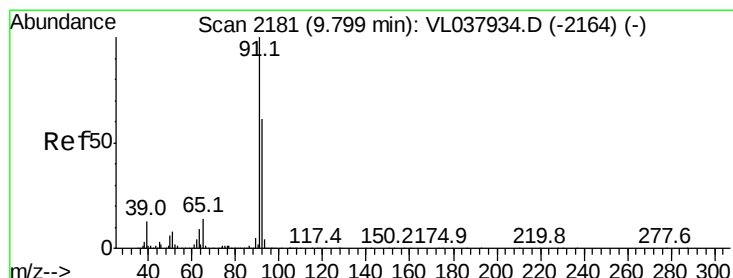
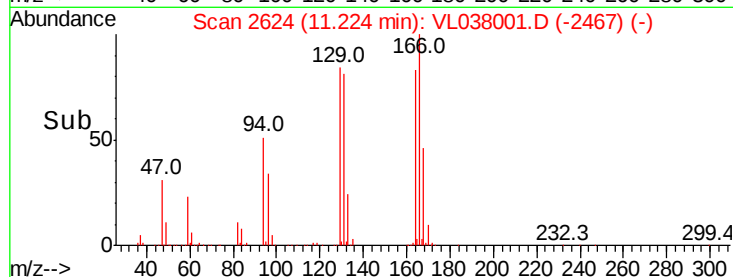
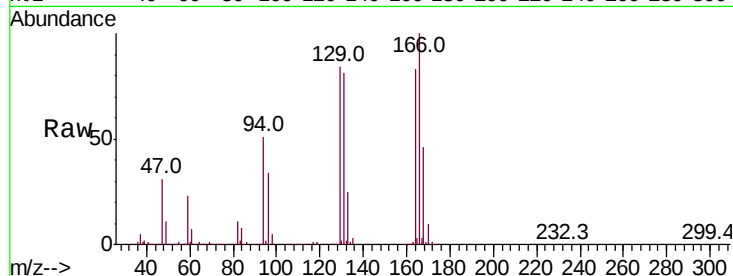
Ion Ratio Lower Upper

164 100

166 120.9 97.6 146.4

129 101.5 84.2 126.2

131 98.1 79.6 119.4



#53

Toluene

Concen: 7.264 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL038001.D

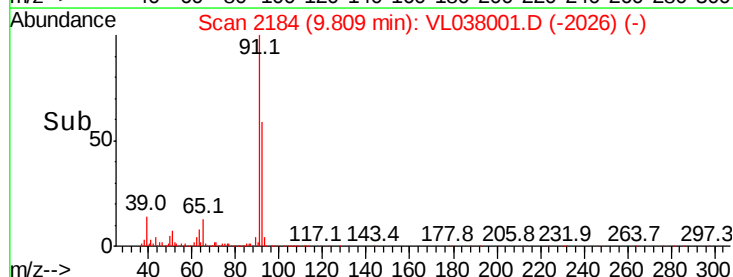
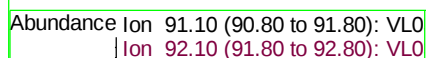
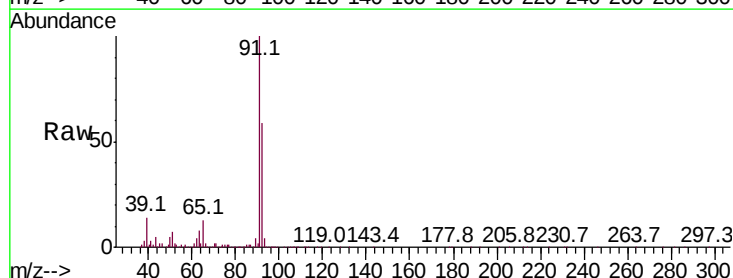
Acq: 10 Nov 2021 5:19

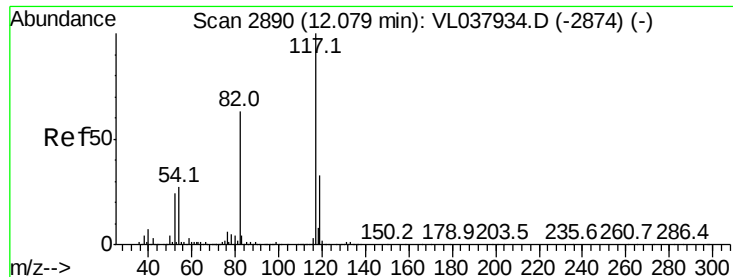
Tgt Ion: 91 Resp: 2519178

Ion Ratio Lower Upper

91 100

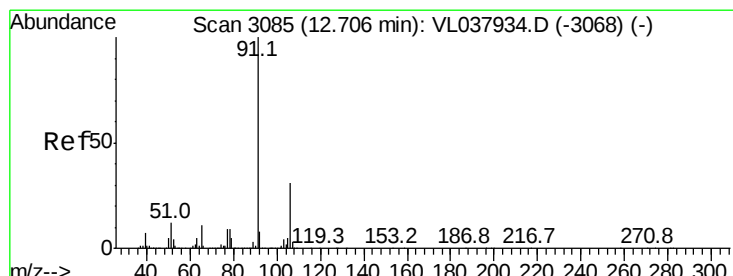
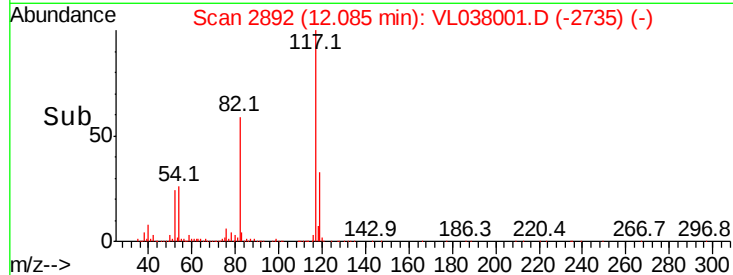
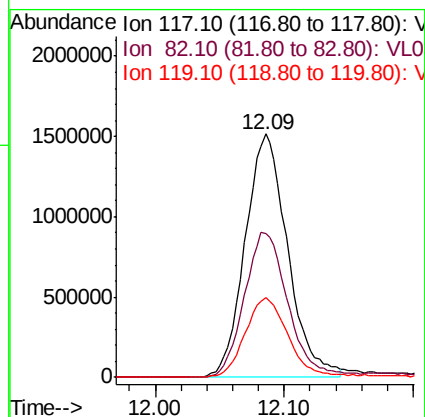
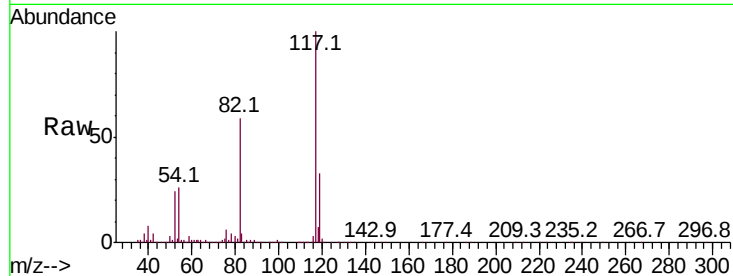
92 60.2 48.2 72.4





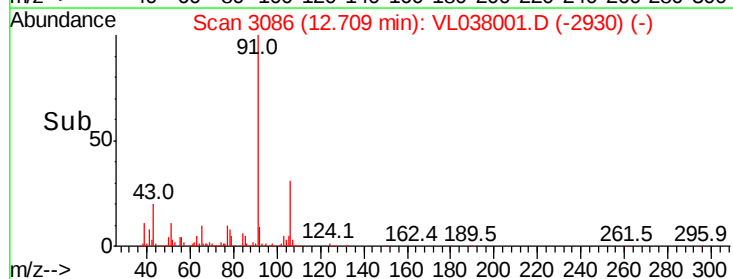
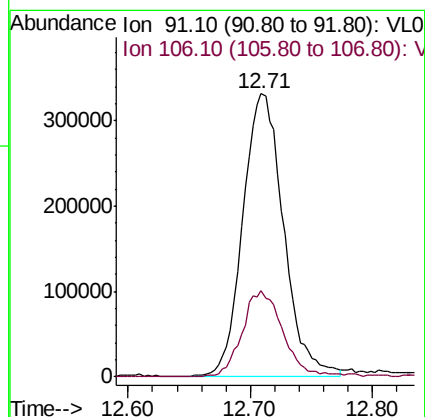
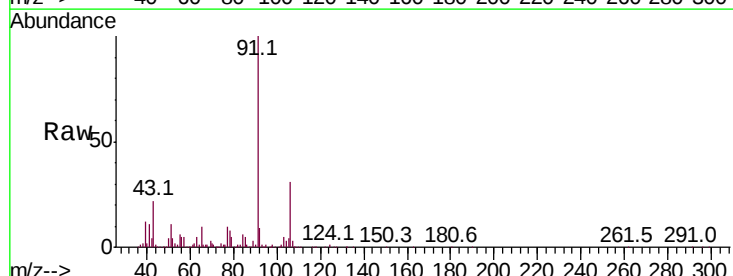
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 5:19

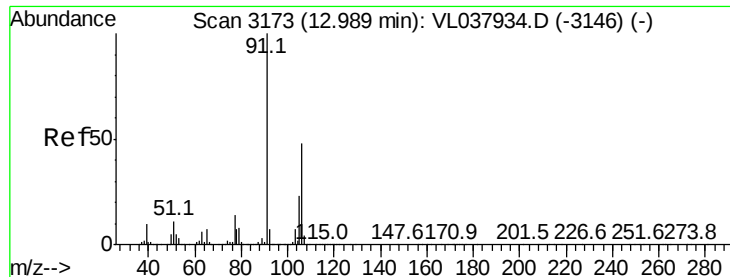
Tot Ion: 117 Resp: 3471706
Ion Ratio Lower Upper
117 100
82 61.5 51.0 76.6
119 33.8 26.9 40.3



#58
Ethyl Benzene
Concen: 1.795 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: 0.00 min
Lab File: VL038001.D
Acq: 10 Nov 2021 5:19

Tgt Ion: 91 Resp: 761893
Ion Ratio Lower Upper
91 100
106 30.7 25.1 37.7





#59

m/p-Xylene

Concen: 6.614 ppbv

RT: 12.96 min

Delta R.T. MSV0A.L

Lab File:

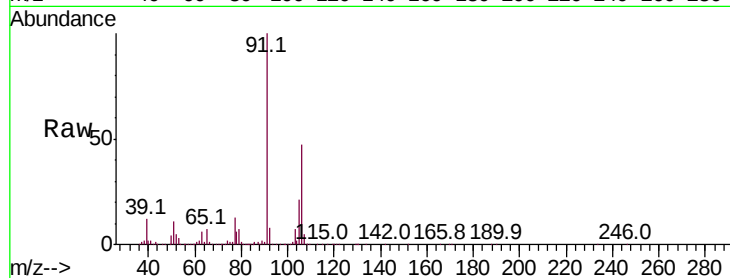
Acq: 10 Nov 2021 5:19

Tot Ion: 91 Resp: 2495671

Ion Ratio Lower Upper

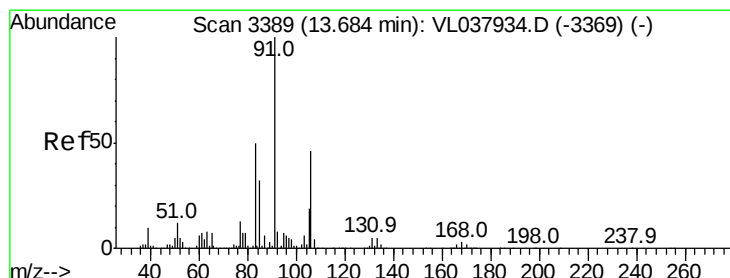
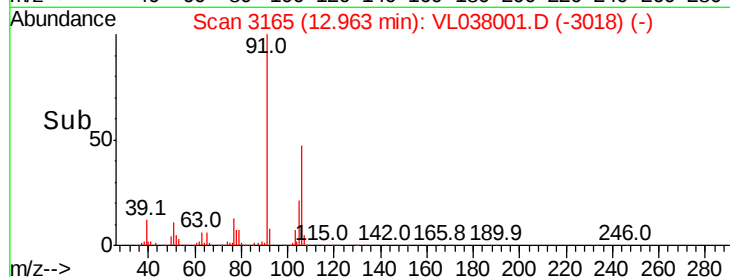
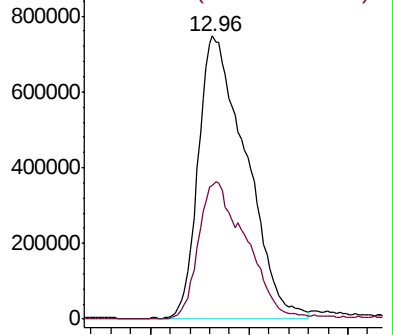
91 100

106 49.7 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 2.455 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VL038001.D

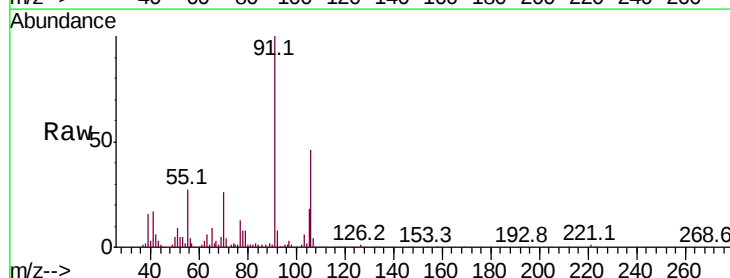
Acq: 10 Nov 2021 5:19

Tgt Ion: 91 Resp: 873584

Ion Ratio Lower Upper

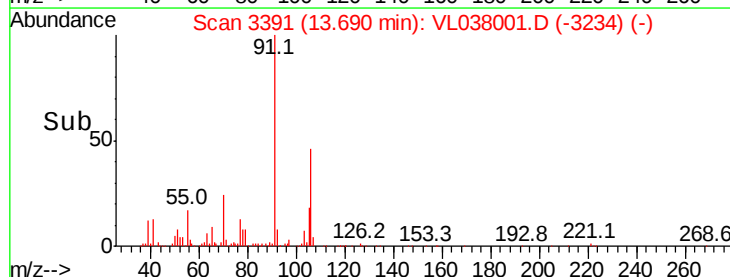
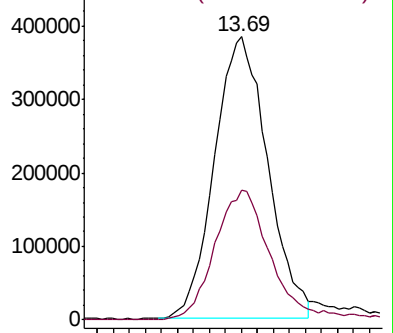
91 100

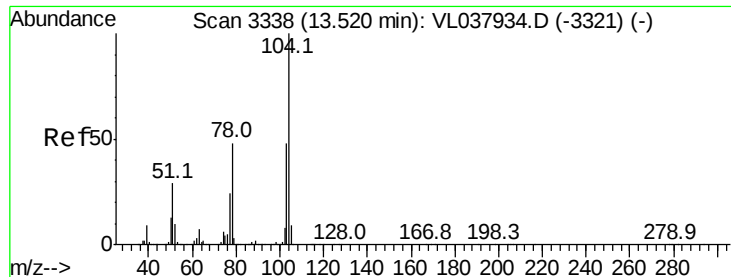
106 49.3 23.5 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 1.055 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 5:19

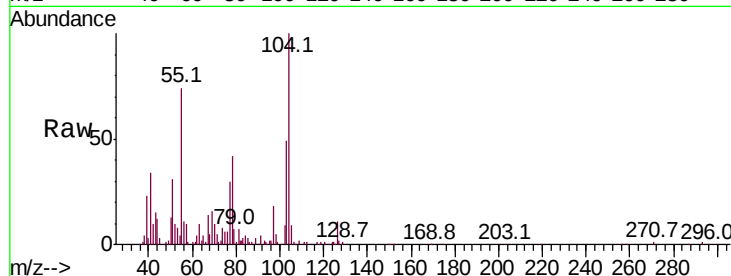
Tot Ion:104 Resp: 172389

Ion Ratio Lower Upper

104 100

78 50.9 39.3 58.9

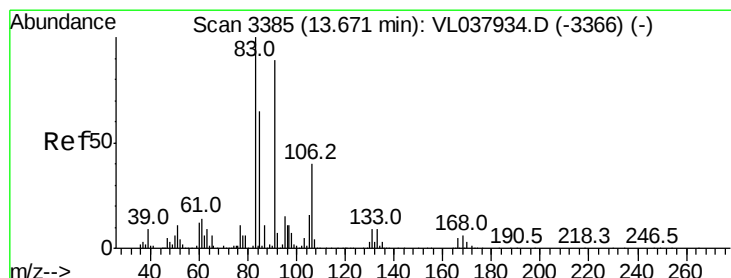
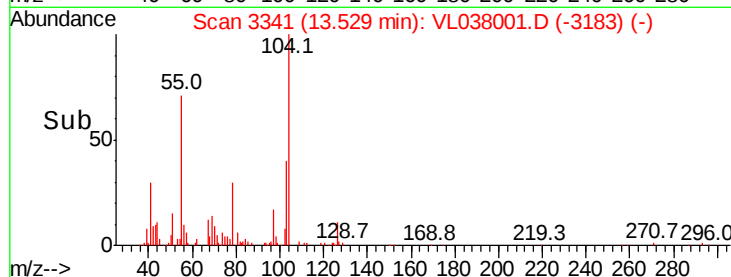
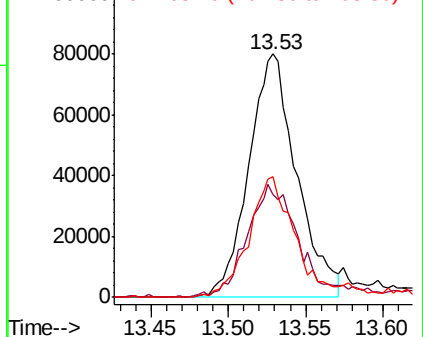
103 50.1 39.6 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.031 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

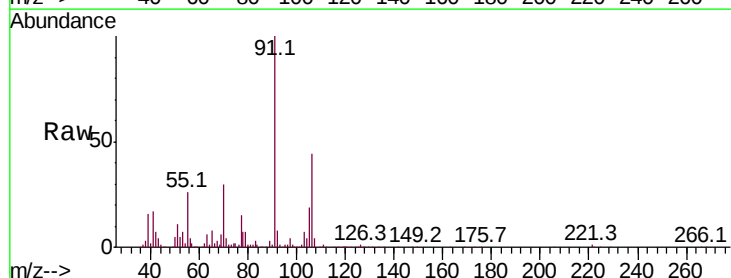
Tgt Ion: 83 Resp: 9526

Ion Ratio Lower Upper

83 100

131 2.4 4.8 14.4#

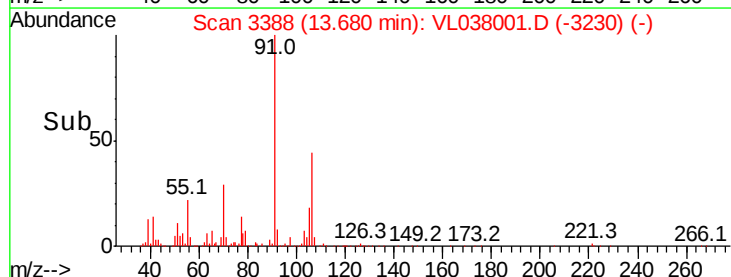
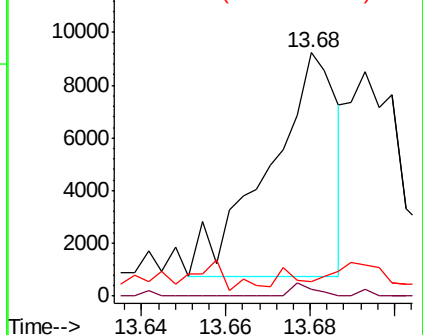
85 0.0 32.5 97.5#

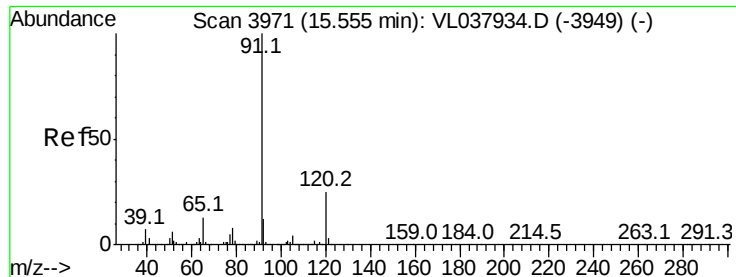


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

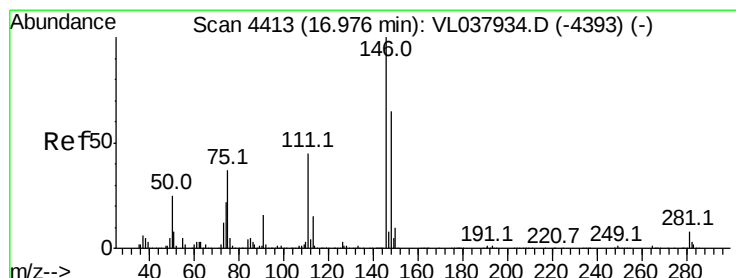
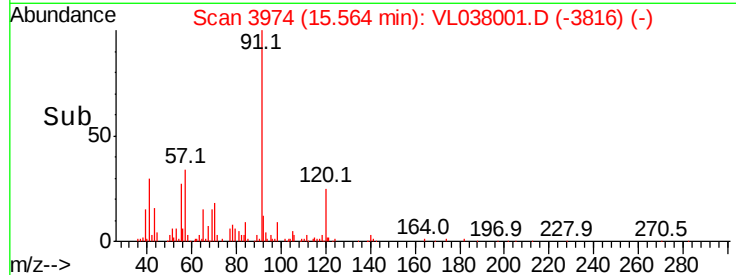
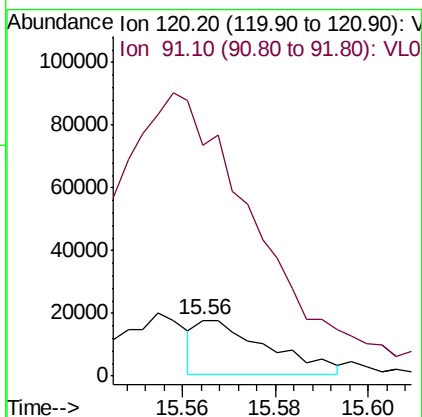
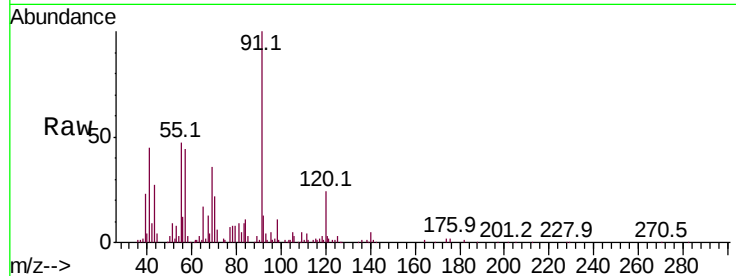
Ion 85.00 (84.70 to 85.70): VL0





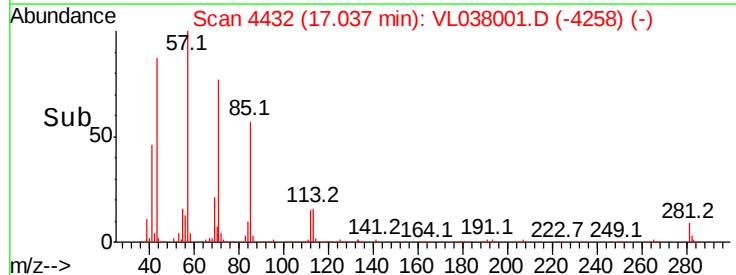
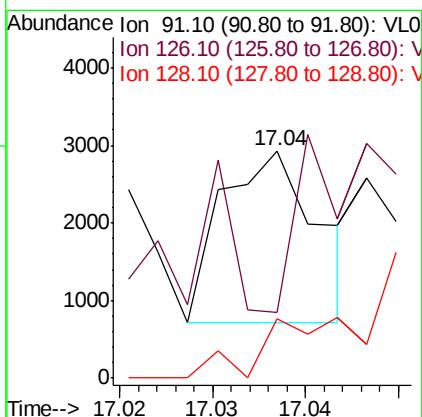
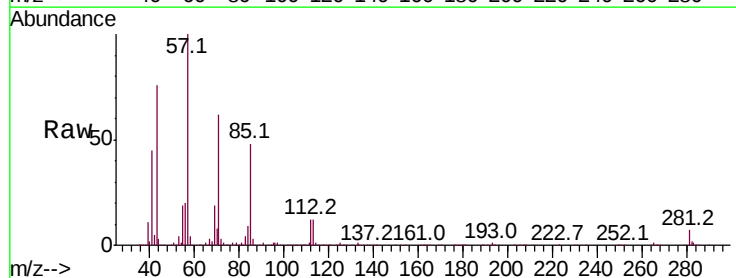
#64
n-propylbenzene
Concen: 0.142 ppbv
RT: 15.56 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 10 Nov 2021 5:19

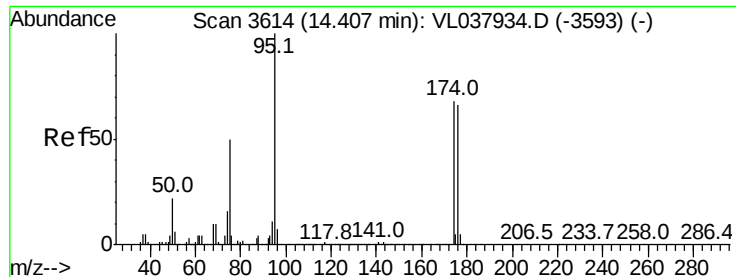
Tot Ion: 120 Resp: 18362
Ion Ratio Lower Upper
120 100
91 0.0 363.3 544.9#



#66
Benzyl Chloride
Concen: 0.068 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. 0.06 min
Lab File: VL038001.D
Acq: 10 Nov 2021 5:19

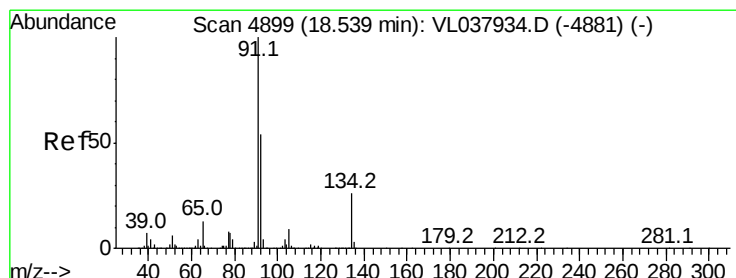
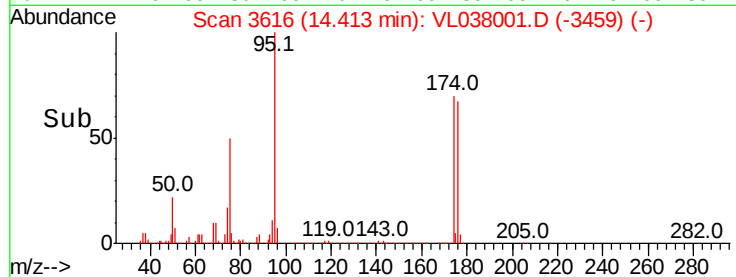
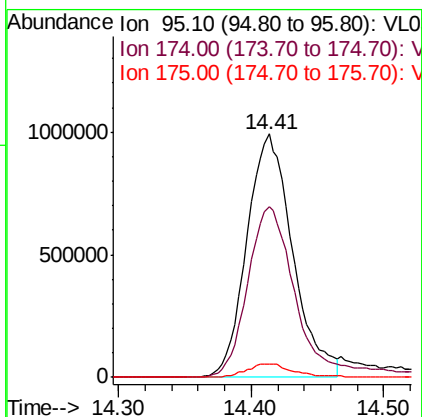
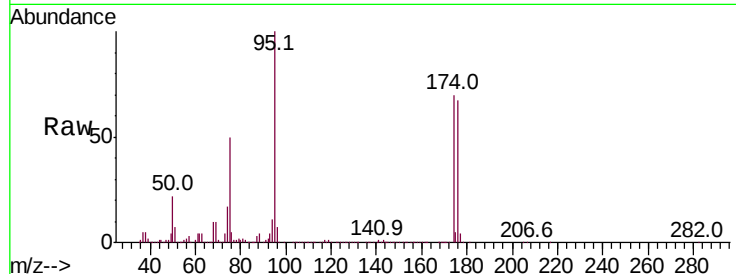
Tgt Ion: 91 Resp: 1591
Ion Ratio Lower Upper
91 100
126 329.2 13.8 20.6#
128 0.0 5.1 7.7#





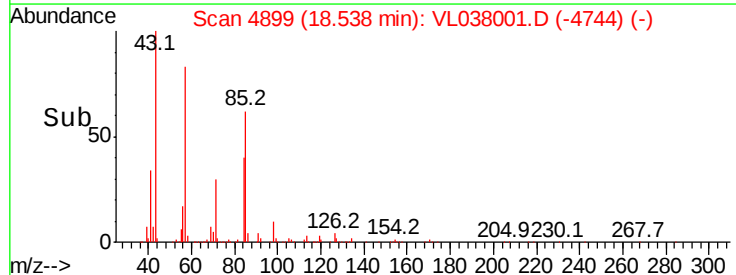
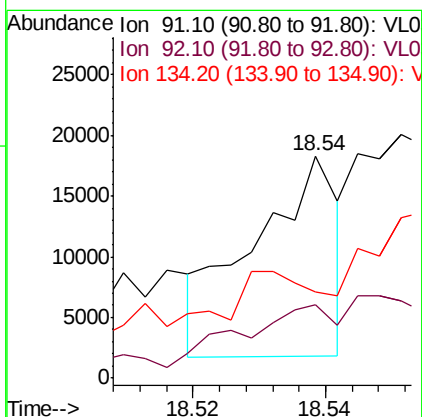
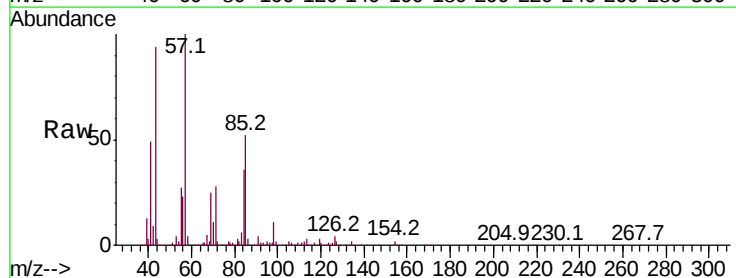
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.414 ppbv
 RT: 14.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 5:19

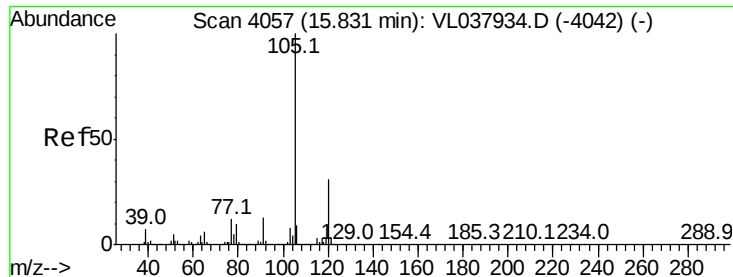
Tot Ion:	95	Resp:	2375632
Ion	Ratio	Lower	Upper
95	100		
174	77.6	58.3	87.5
175	5.7	4.6	6.8



#70
 n-Butylbenzene
 Concen: 0.033 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. -0.00 min
 Lab File: VL038001.D
 Acq: 10 Nov 2021 5:19

Tgt Ion:	91	Resp:	14711
Ion	Ratio	Lower	Upper
91	100		
92	138.3	43.6	65.4#
134	0.0	19.8	29.6#





#72

4-Ethyltoluene

Concen: 0.630 ppbv

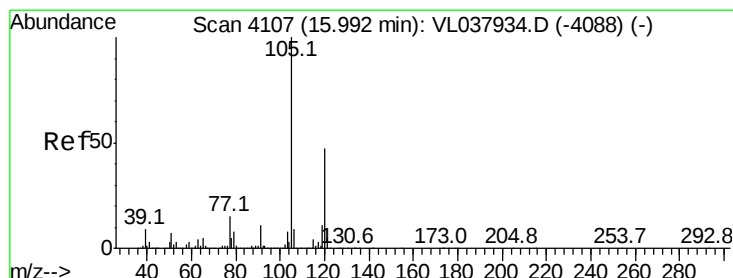
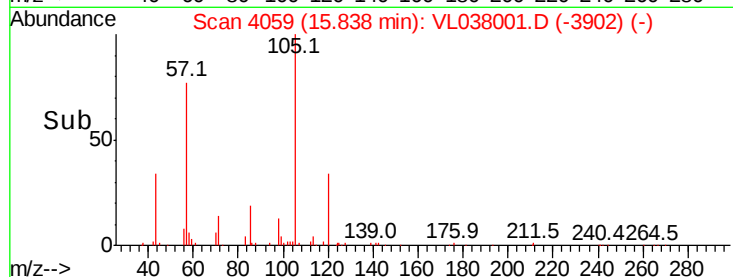
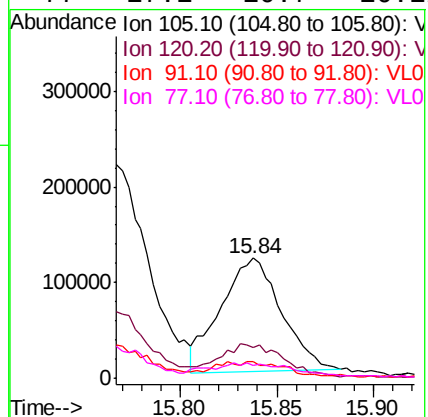
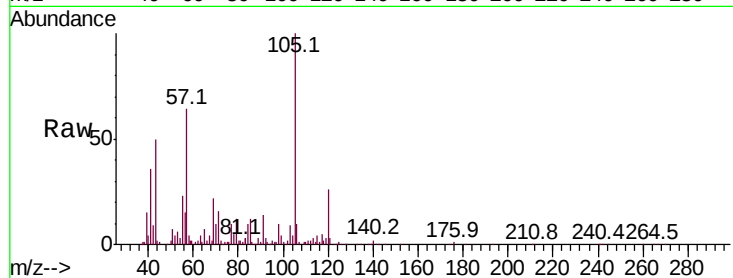
RT: 15.84

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 10 Nov 2021 5:19

Tot Ion:	105	Resp:	256675
Ion Ratio	Lower	Upper	
105	100		
120	36.4	25.3	37.9
91	14.3	9.9	14.9
77	17.1	10.7	16.1#



#73

1,3,5-Trimethylbenzene

Concen: 0.499 ppbv

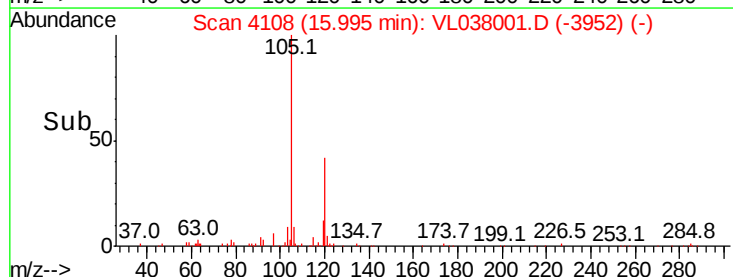
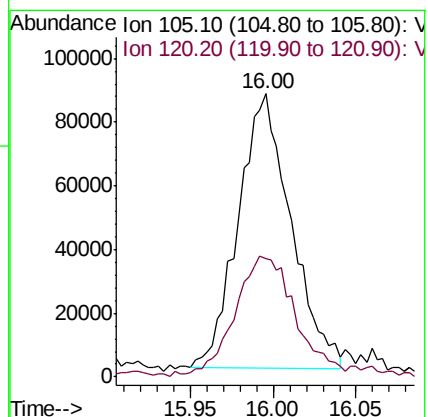
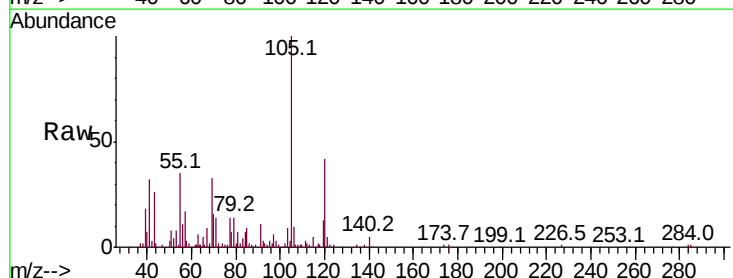
RT: 16.00 min Scan# 4108

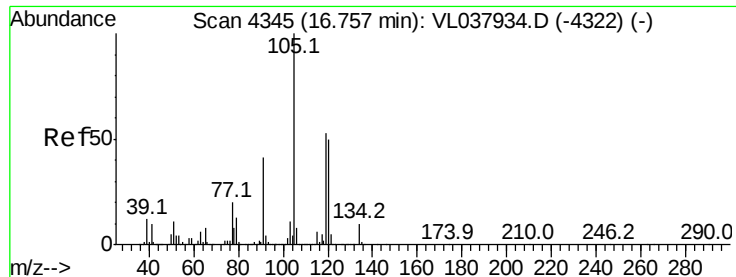
Delta R.T. 0.00 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

Tgt Ion:	105	Resp:	190404
Ion Ratio	Lower	Upper	
105	100		
120	41.7	37.9	56.9





#74

1,2,4-Trimethylbenzene

Concen: 1.812 ppbv

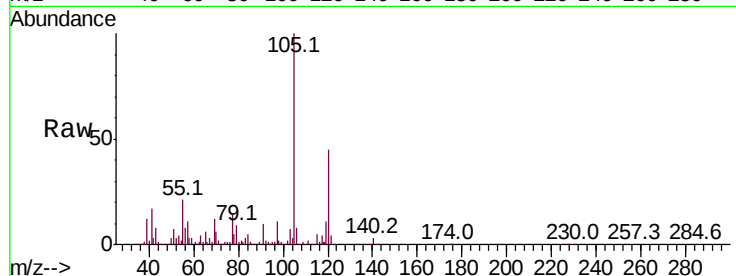
RT: 16.76

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 10 Nov 2021 5:19

Tot Ion:	105	Resp:	724627
Ion Ratio	Lower	Upper	
105	100		
120	45.0	40.0	60.0
91	9.5	32.6	49.0#
77	13.2	15.8	23.8#

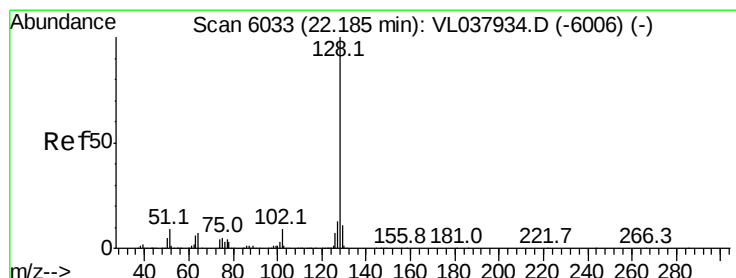
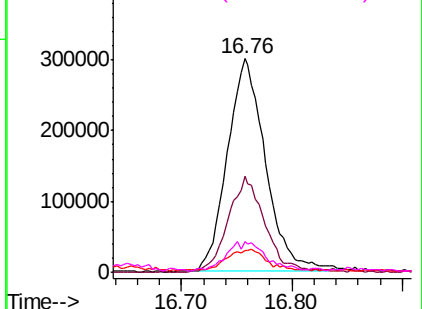
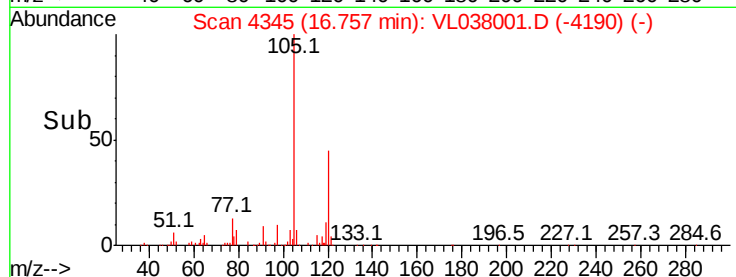


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.058 ppbv

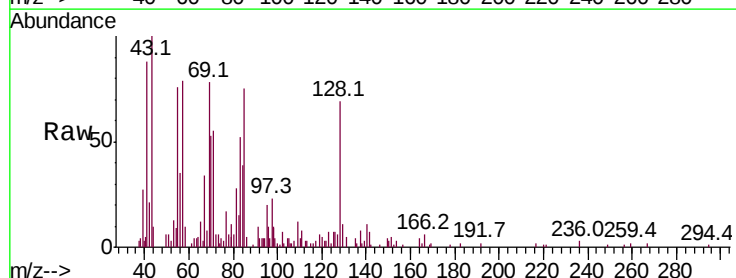
RT: 22.19 min Scan# 6036

Delta R.T. 0.01 min

Lab File: VL038001.D

Acq: 10 Nov 2021 5:19

Tgt Ion:	128	Resp:	13355
Ion Ratio	Lower	Upper	
128	100		
127	6.9	10.2	15.2#
129	10.1	9.0	13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

