

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038062.D
 Acq On : 18 Nov 2021 20:27
 Operator : SY/AP
 Sample : M4704-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 15-JOHN

Quant Time: Nov 19 07:30:44 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	913459	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2495472	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2145234	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1573775	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	28729	0.190	ppbv 100
3) Chlorodifluoromethane	3.00	51	31695	0.165	ppbv 96
4) Chloromethane	3.15	50	25642	0.393	ppbv 97
7) Chloroethane	3.57	64	1016	0.045	ppbv # 41
9) Propene	3.02	41	1929093	27.306	ppbv 96
10) Heptane	8.13	43	187661	1.075	ppbv 97
11) Trichlorofluoromethane	3.96	101	34324	0.239	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	4095	0.040	ppbv # 71
13) Ethanol	3.61	45	377735	55.328	ppbv 88
15) Acetone	3.85	43	13645641	172.297	ppbv # 86
16) 1,3-Butadiene	3.32	39	2074726	33.579	ppbv # 22
17) tert-Butyl alcohol	4.31	59	95752	0.997	ppbv 97
19) Isopropyl Alcohol	3.98	45	142249	2.486	ppbv # 95
20) Methylene Chloride	4.36	84	120792	2.723	ppbv 94
21) Allyl Chloride	4.41	41	7779	0.106	ppbv # 19
23) Vinyl Acetate	5.07	43	62551	0.546	ppbv # 1
25) Ethyl Acetate	5.69	43	254224	0.966	ppbv # 79
26) Hexane	5.69	57	354148	2.791	ppbv # 41
27) Carbon Disulfide	4.56	76	192218	1.691	ppbv # 94
29) Chloroform	5.76	83	54966	0.294	ppbv 88
30) Cyclohexane	7.14	84	54910	0.477	ppbv # 83
34) 2-Butanone	5.25	43	643477	6.395	ppbv 100
36) Benzene	6.90	78	405738	1.630	ppbv 99
38) Trichloroethene	7.84	130	2719	0.029	ppbv # 46
39) 1,2-Dichloropropane	7.18	63	612965	6.419	ppbv # 27
41) Tetrahydrofuran	6.06	42	2820	0.045	ppbv # 36
42) Bromodichloromethane	7.79	83	3775	0.021	ppbv # 24
43) Methyl Methacrylate	8.06	69	46060	0.541	ppbv # 69
44) 2,2,4-Trimethylpentane	7.87	57	383016	0.920	ppbv # 88
50) 4-Methyl-2-Pentanone	8.76	43	10848	0.071	ppbv # 26
51) 2-Hexanone	10.16	43	7303	0.102	ppbv # 1
53) Toluene	9.81	91	1688186	5.894	ppbv 99
58) Ethyl Benzene	12.71	91	352878	0.995	ppbv 99
59) m/p-Xylene	12.97	91	875649	2.934	ppbv 98
60) o-Xylene	13.69	91	315649	1.140	ppbv 97
61) Styrene	13.54	104	4505	0.030	ppbv # 1
62) Isopropylbenzene	14.67	105	9111	0.023	ppbv # 1
64) n-propylbenzene	15.56	120	10842	0.108	ppbv # 1
65) tert-Butylbenzene	16.76	119	14848	0.043	ppbv # 19
69) p-Isopropyltoluene	17.65	119	11660	0.031	ppbv # 66
70) n-Butylbenzene	18.56	91	7741	0.021	ppbv # 1

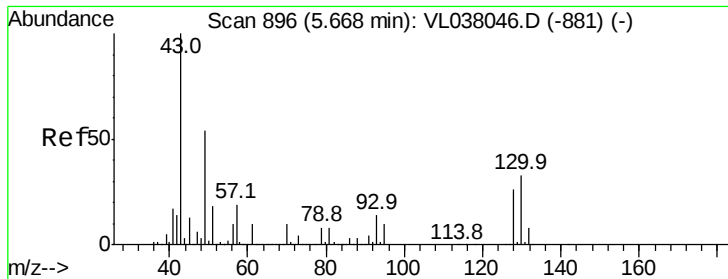
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
Data File : VL038062.D
Acq On : 18 Nov 2021 20:27
Operator : SY/AP
Sample : M4704-01
Misc : 400mL/MSVOA L
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Quant Time: Nov 19 07:30:44 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
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)
72) 4-Ethyltoluene	15.85	105	40601	0.126	ppbv #	54
73) 1,3,5-Trimethylbenzene	16.00	105	27204	0.093	ppbv	95
74) 1,2,4-Trimethylbenzene	16.76	105	230960	0.764	ppbv #	70

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: 15-JOHN

Acq: 18 Nov 2021 20:27

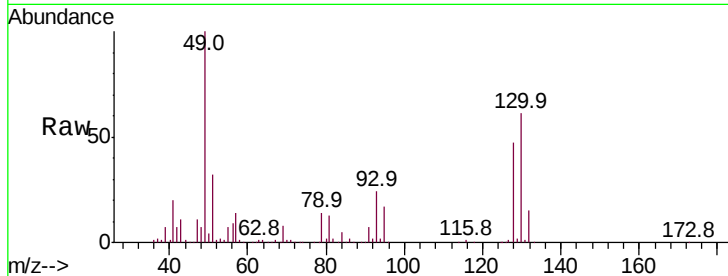
Tot Ion: 49 Resp: 913459

Ion Ratio Lower Upper

49 100

128 48.4 26.5 79.5

130 62.3 32.5 97.4



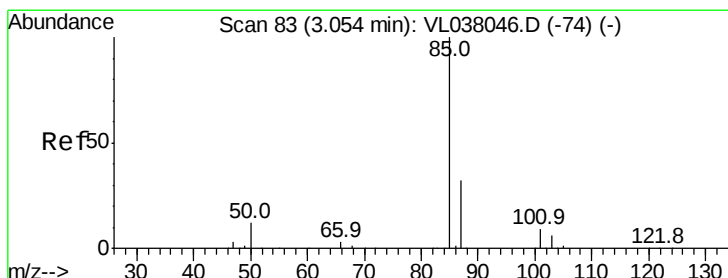
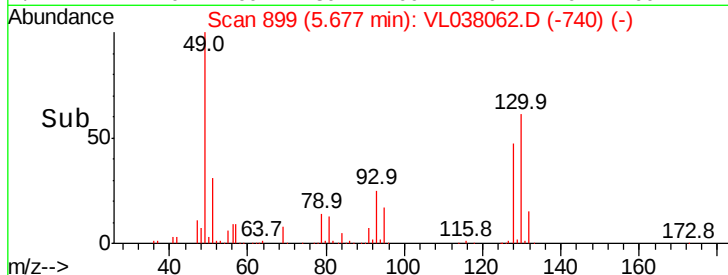
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 0.190 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038062.D

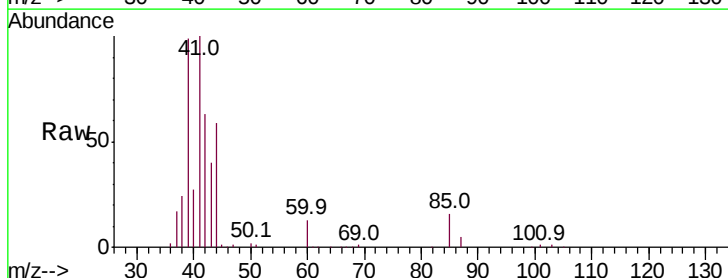
Acq: 18 Nov 2021 20:27

Tgt Ion: 85 Resp: 28729

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.6

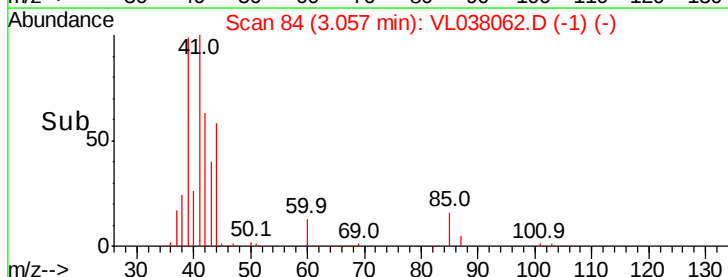


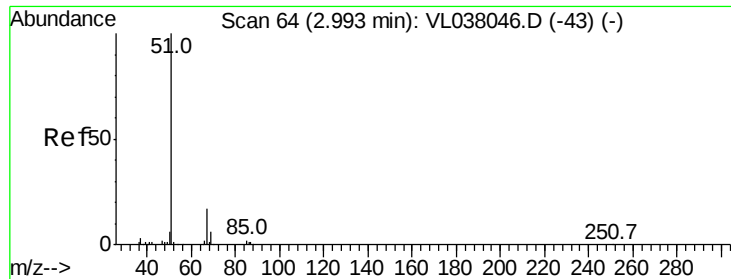
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.06

Time-->





#3

Chlorodifluoromethane

Concen: 0.165 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

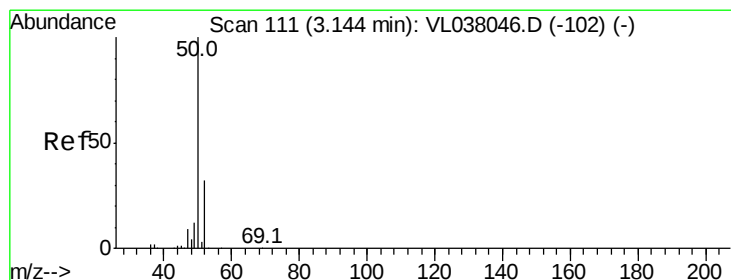
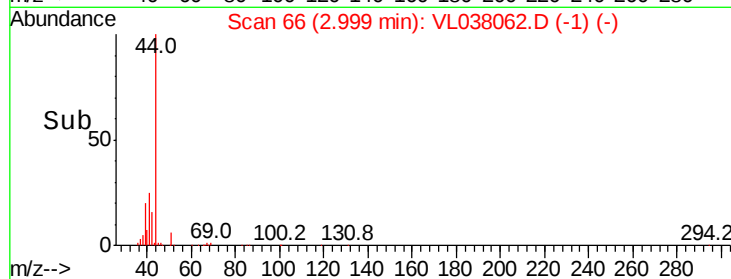
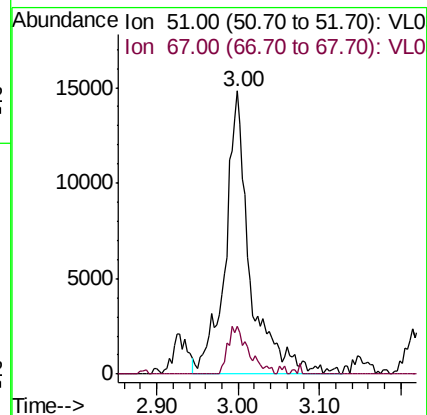
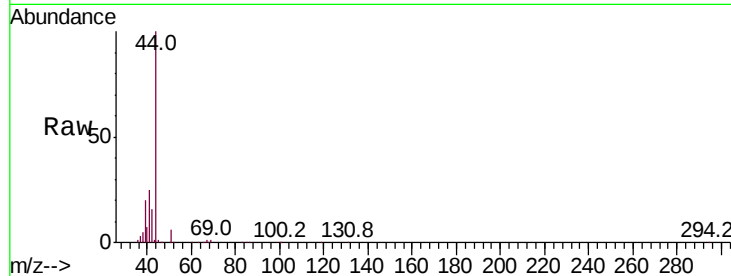
Acq: 18 Nov 2021 20:27

Tot Ion: 51 Resp: 31695

Ion Ratio Lower Upper

51 100

67 15.4 13.8 20.8



#4

Chloromethane

Concen: 0.393 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL038062.D

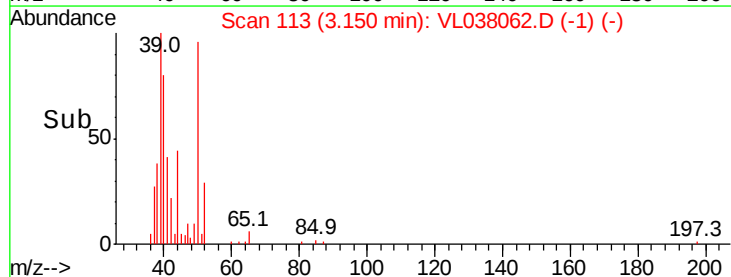
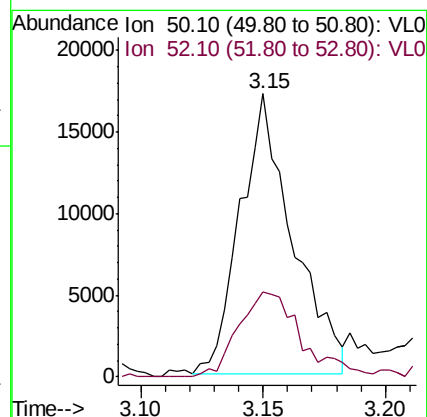
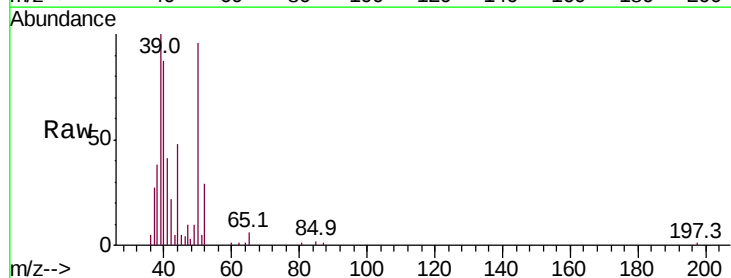
Acq: 18 Nov 2021 20:27

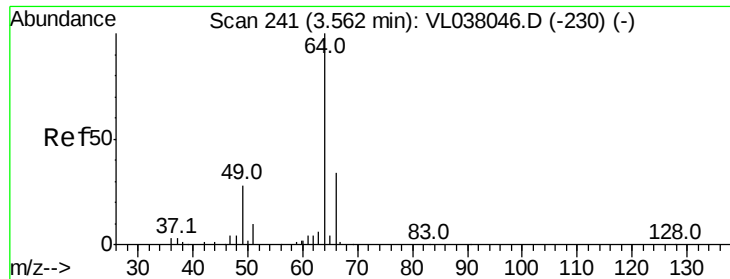
Tgt Ion: 50 Resp: 25642

Ion Ratio Lower Upper

50 100

52 30.1 25.4 38.0





#7

Chloroethane

Concen: 0.045 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

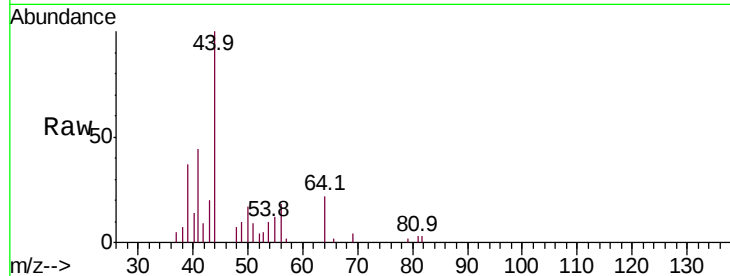
Acq: 18 Nov 2021 20:27

Tot Ion: 64 Resp: 1016

Ion Ratio Lower Upper

64 100

66 0.0 27.2 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

1500

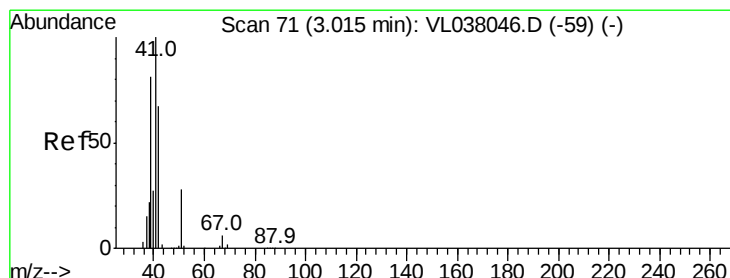
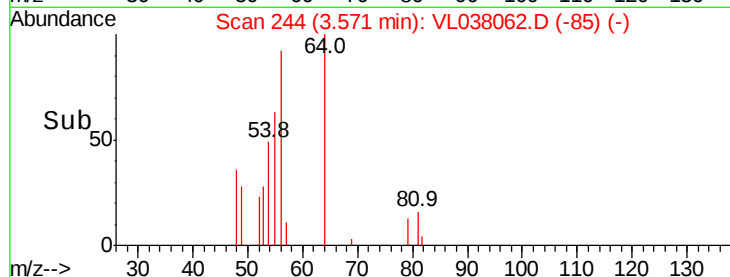
1000

500

0

3.56 3.57 3.58 3.59

Time-->



#9

Propene

Concen: 27.306 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL038062.D

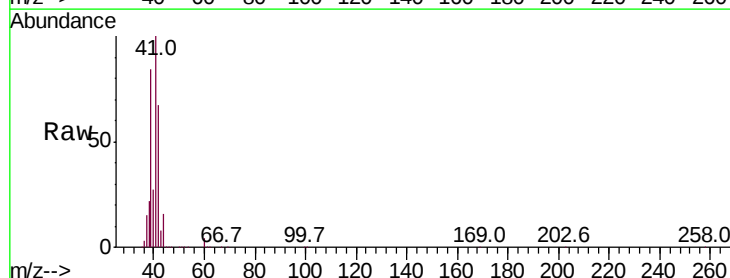
Acq: 18 Nov 2021 20:27

Tgt Ion: 41 Resp: 1929093

Ion Ratio Lower Upper

41 100

42 64.2 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

1000000

800000

600000

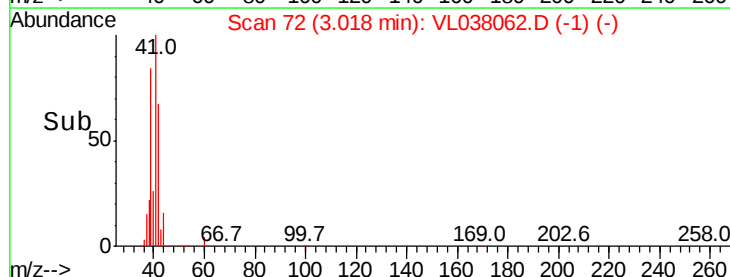
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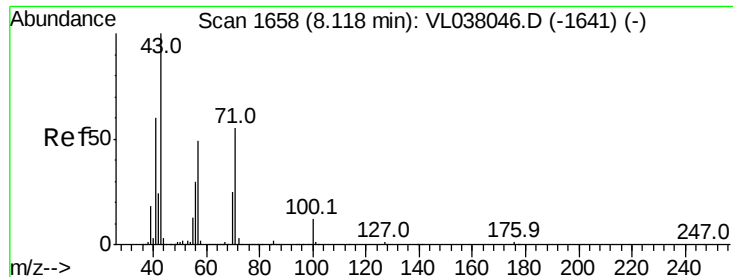
200000

0

2.95 3.00 3.05 3.10 3.15

Time-->





#10

Heptane

Concen: 1.075 ppbv

RT: 8.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

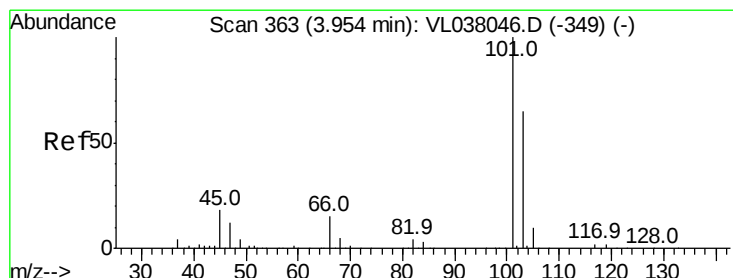
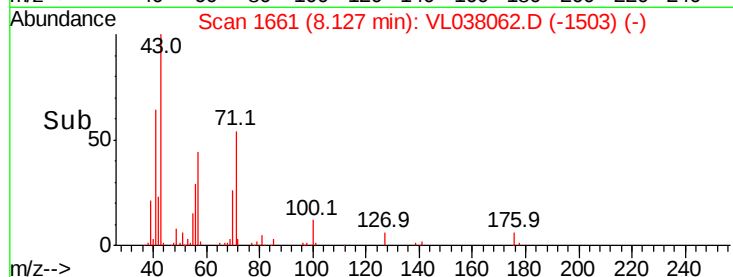
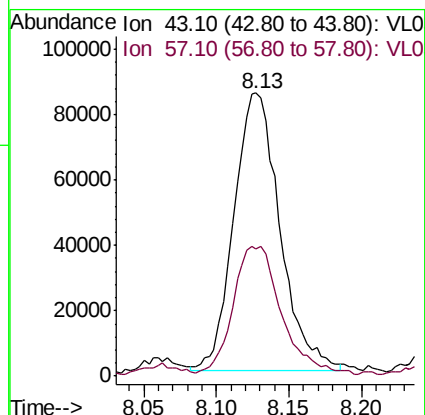
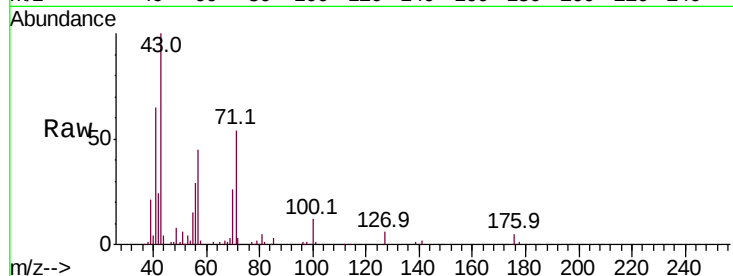
Acq: 18 Nov 2021 20:27

Tot Ion: 43 Resp: 187661

Ion Ratio Lower Upper

43 100

57 48.3 40.4 60.6



#11

Trichlorofluoromethane

Concen: 0.239 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL038062.D

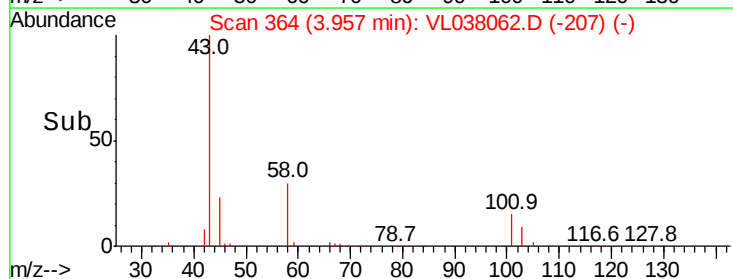
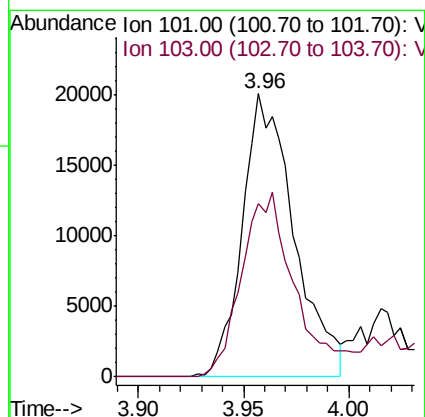
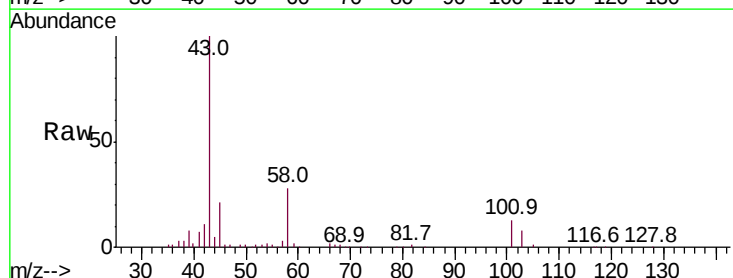
Acq: 18 Nov 2021 20:27

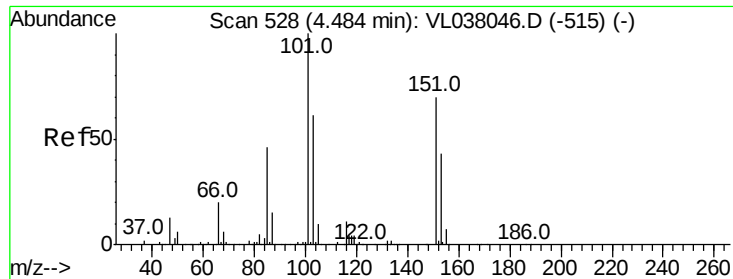
Tgt Ion: 101 Resp: 34324

Ion Ratio Lower Upper

101 100

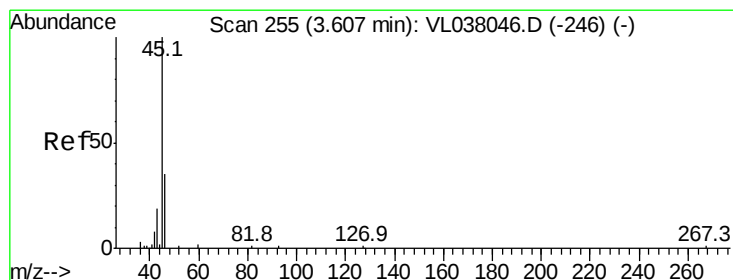
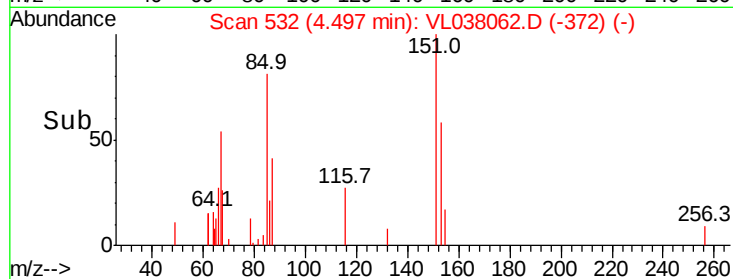
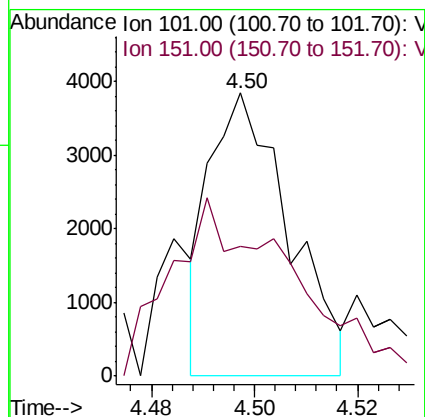
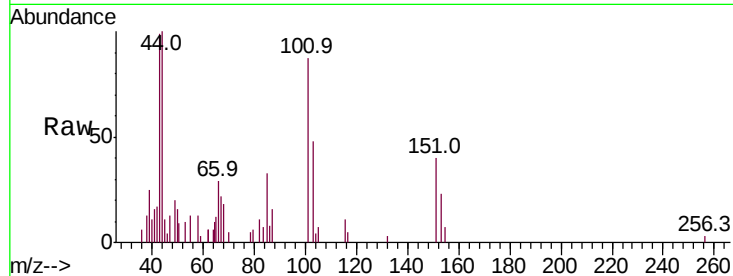
103 61.4 51.8 77.6





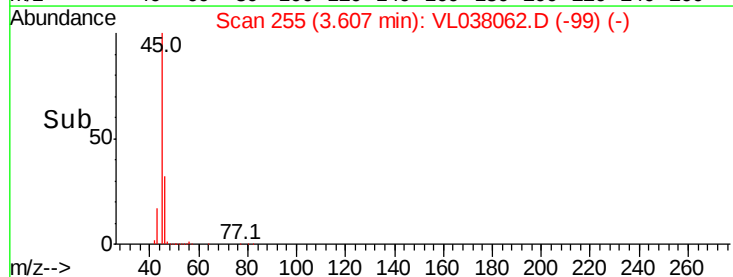
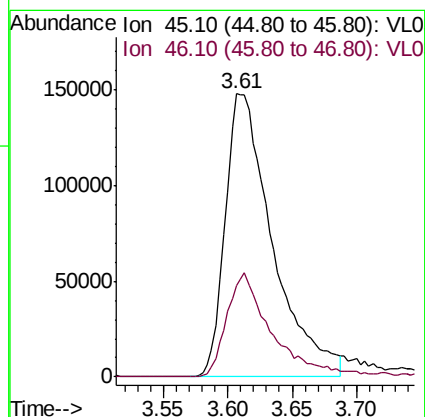
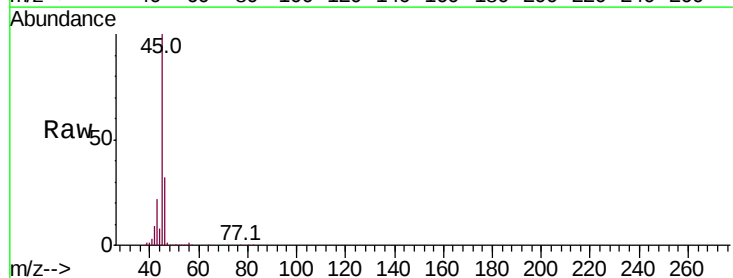
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.040 ppbv
 RT: 4.50
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 20:27

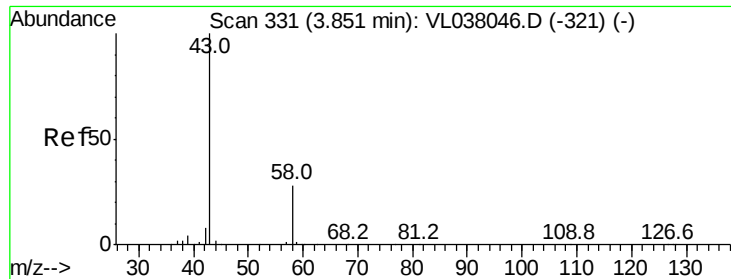
Tot Ion:101 Resp: 4095
 Ion Ratio Lower Upper
 101 100
 151 98.5 59.0 88.4#



#13
 Ethanol
 Concen: 55.328 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VL038062.D
 Acq: 18 Nov 2021 20:27

Tgt Ion: 45 Resp: 377735
 Ion Ratio Lower Upper
 45 100
 46 35.9 17.6 70.2





#15

Acetone

Concen: 172.297 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

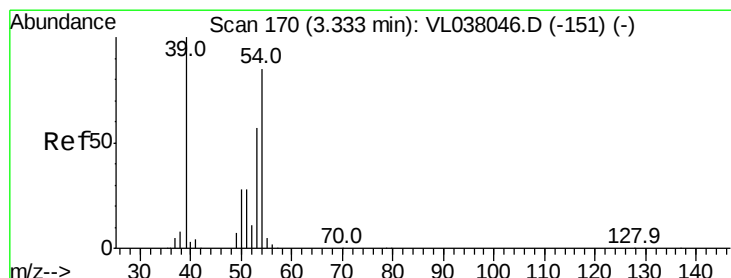
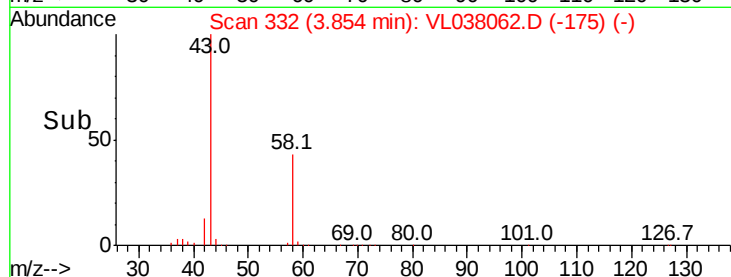
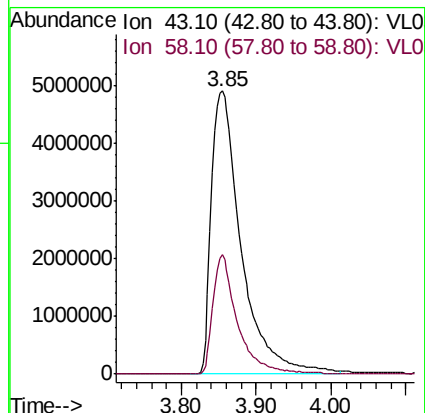
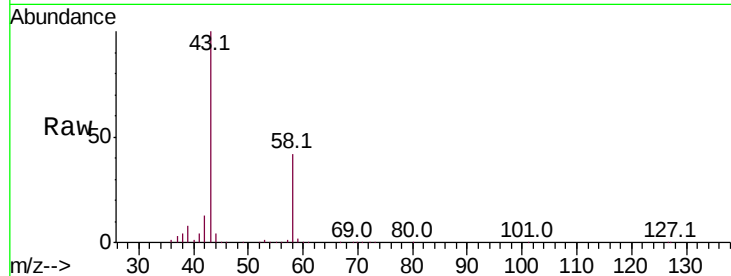
Acq: 18 Nov 2021 20:27

Tot Ion: 43 Resp:13645641

Ion Ratio Lower Upper

43 100

58 35.2 22.4 33.6#



#16

1,3-Butadiene

Concen: 33.579 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL038062.D

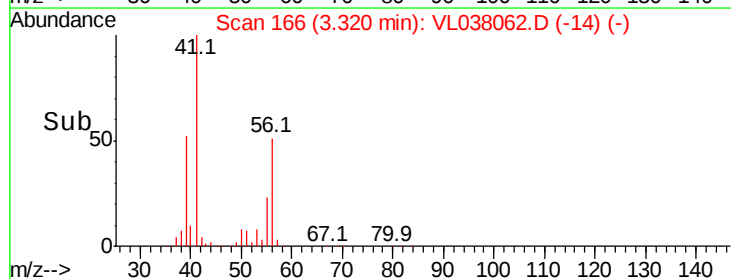
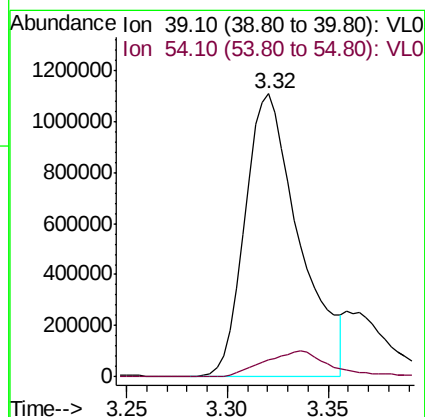
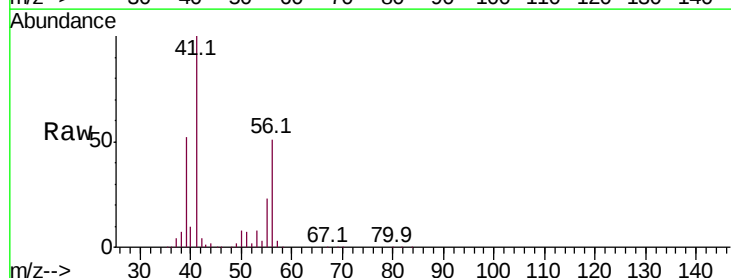
Acq: 18 Nov 2021 20:27

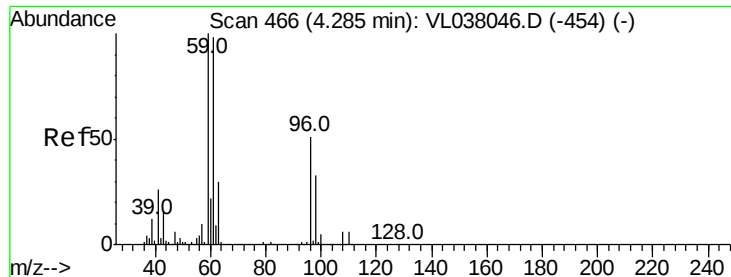
Tgt Ion: 39 Resp: 2074726

Ion Ratio Lower Upper

39 100

54 11.5 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.997 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

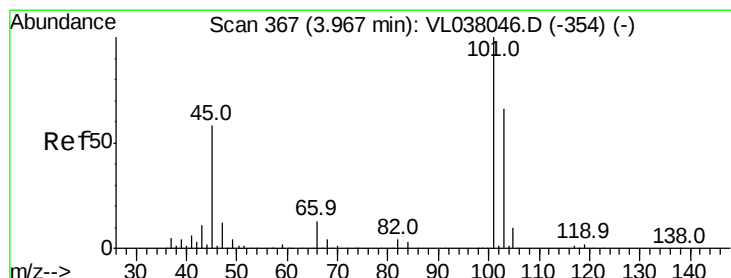
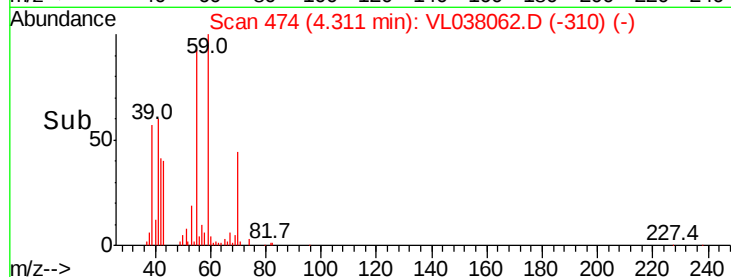
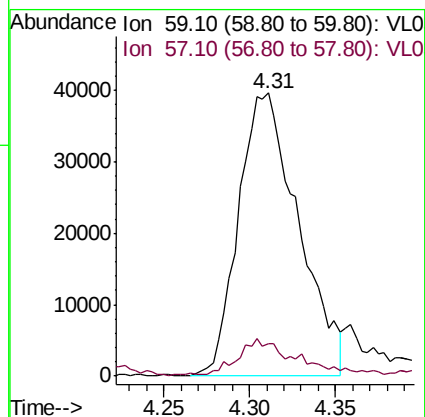
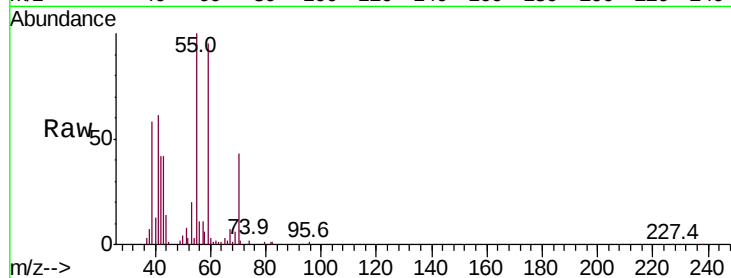
Acq: 18 Nov 2021 20:27

Tot Ion: 59 Resp: 95752

Ion Ratio Lower Upper

59 100

57 12.0 8.6 13.0



#19

Isopropyl Alcohol

Concen: 2.486 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL038062.D

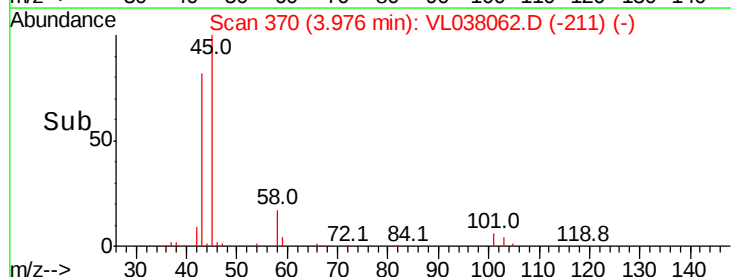
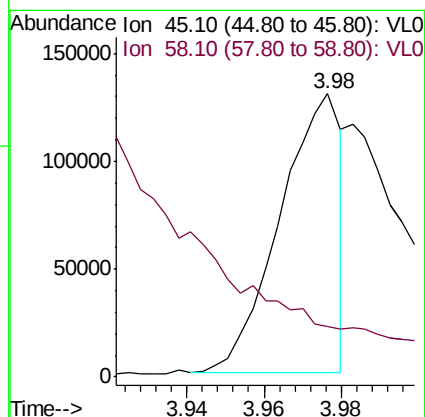
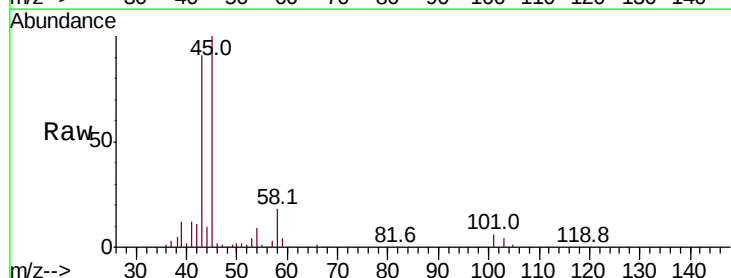
Acq: 18 Nov 2021 20:27

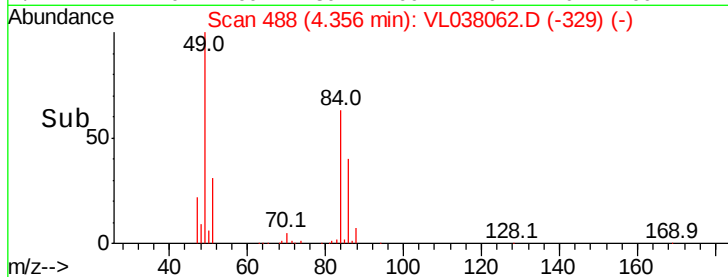
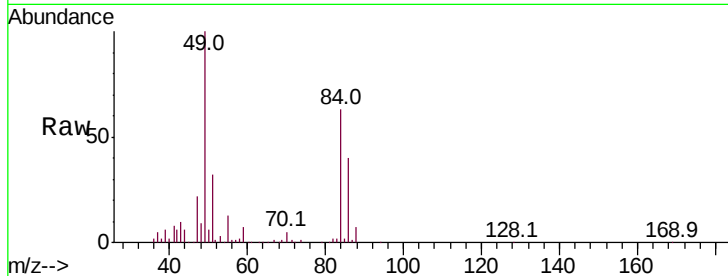
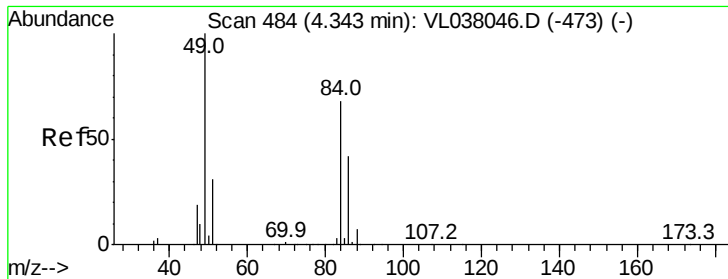
Tgt Ion: 45 Resp: 142249

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#





#20

Methylene Chloride

Concen: 2.723 ppbv

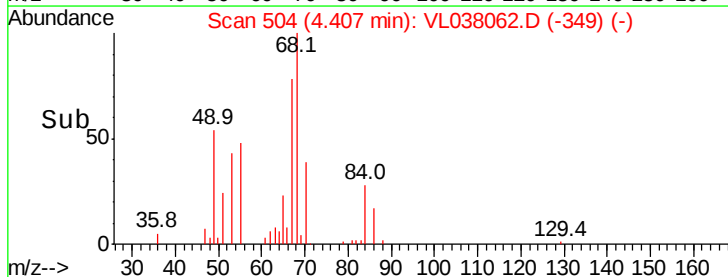
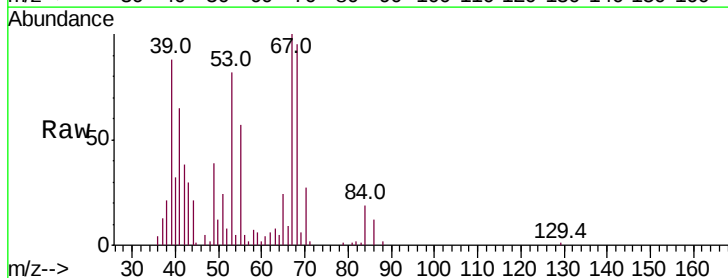
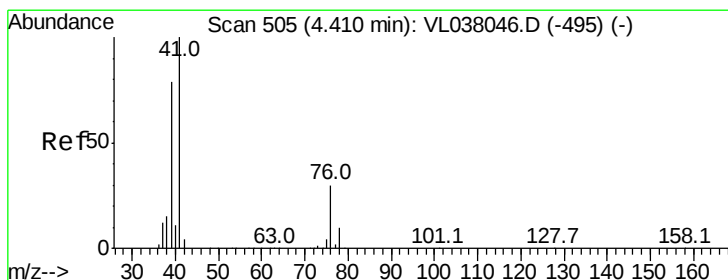
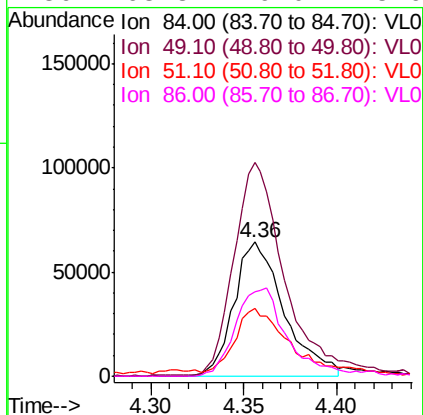
RT: 4.36

Delta R.T. MSVOA_1

Lab File: ClientSampleId : 15-JOHN

Acq: 18 Nov 2021 20:27

Tot Ion:	84	Resp:	120792
Ion	Ratio	Lower	Upper
84	100		
49	158.2	118.2	177.2
51	47.0	36.8	55.2
86	63.3	49.0	73.6



#21

Allyl Chloride

Concen: 0.106 ppbv

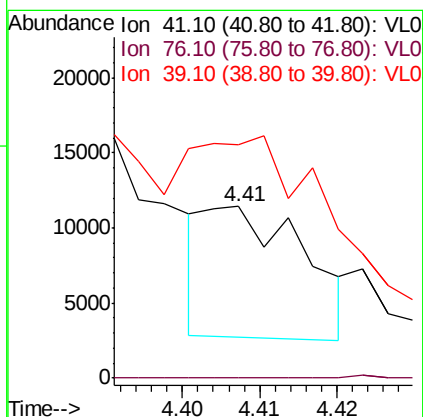
RT: 4.41 min Scan# 504

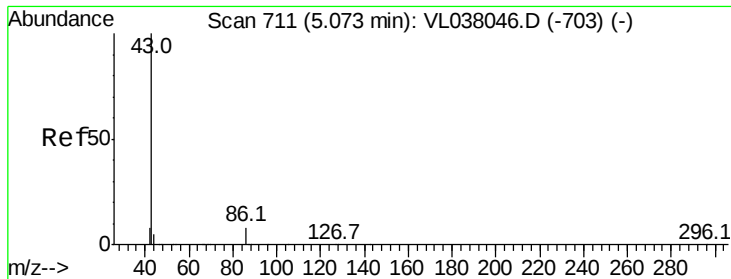
Delta R.T. -0.00 min

Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

Tgt Ion:	41	Resp:	7779
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	36.8#
39	0.0	63.4	95.0#





#23

Vinyl Acetate

Concen: 0.546 ppbv

RT: 5.07

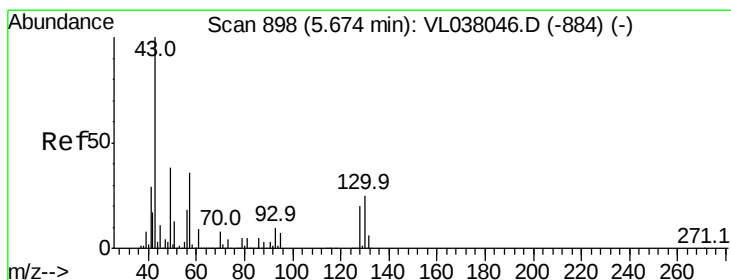
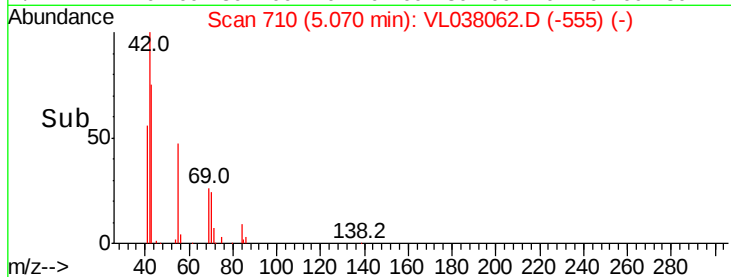
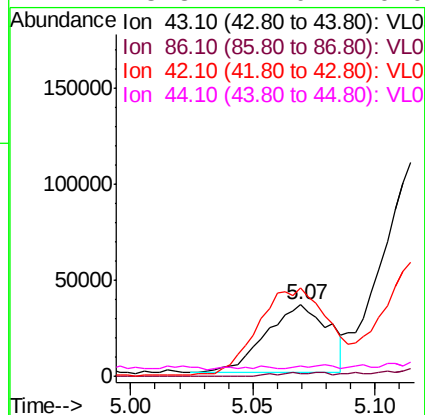
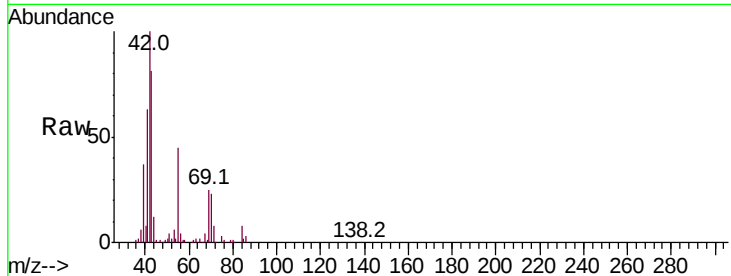
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 20:27

Tot Ion: 43 Resp: 62551

Ion	Ratio	Lower	Upper
43	100		
86	4.1	5.3	7.9#
42	128.9	7.0	10.6#
44	3.3	4.0	6.0#



#25

Ethyl Acetate

Concen: 0.966 ppbv

RT: 5.69 min Scan# 904

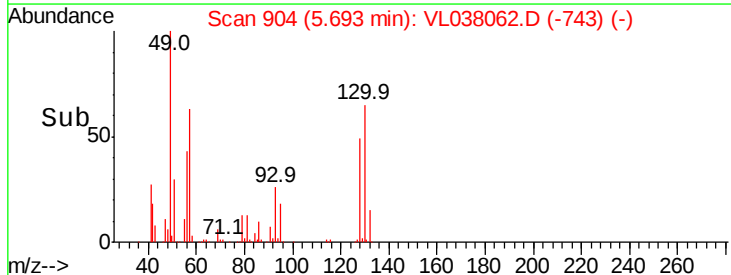
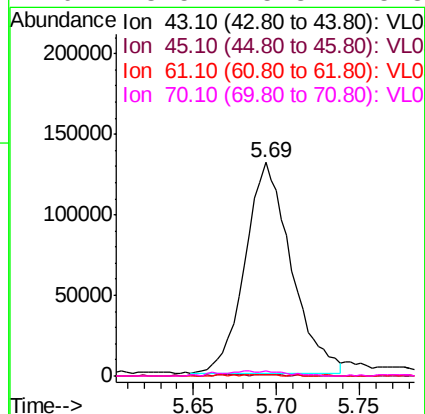
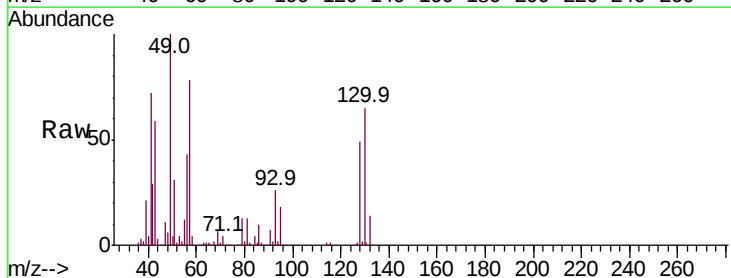
Delta R.T. 0.02 min

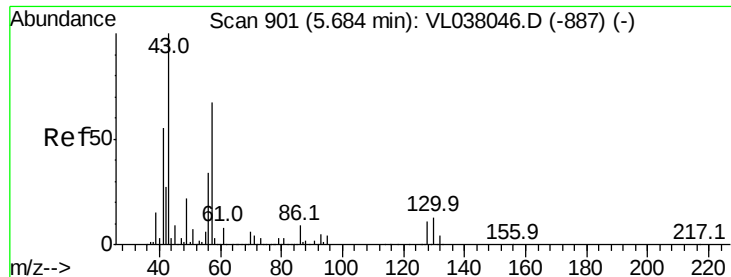
Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

Tgt Ion: 43 Resp: 254224

Ion	Ratio	Lower	Upper
43	100		
45	0.5	7.9	11.9#
61	0.7	7.8	11.6#
70	3.5	5.8	8.8#





#26

Hexane

Concen: 2.791 ppbv

RT: 5.69

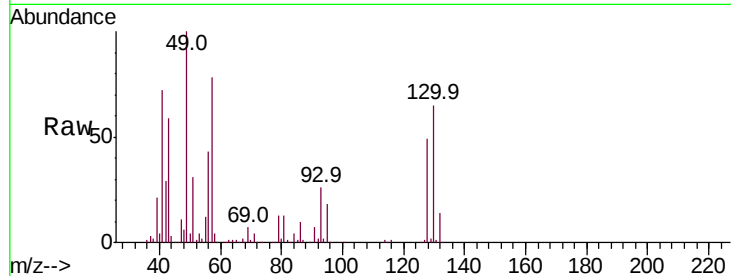
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 20:27

Tot Ion: 57 Resp: 354148

Ion	Ratio	Lower	Upper
57	100		
41	109.0	71.4	107.2#
43	78.9	174.6	261.8#
56	60.8	43.2	64.8

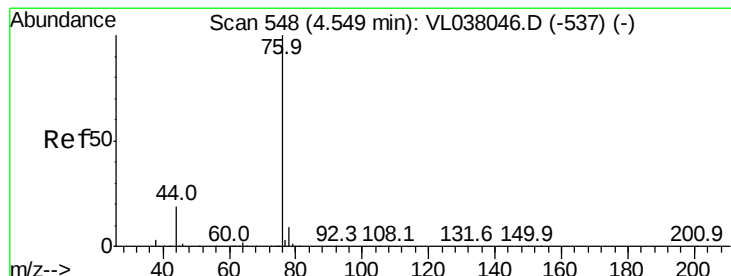
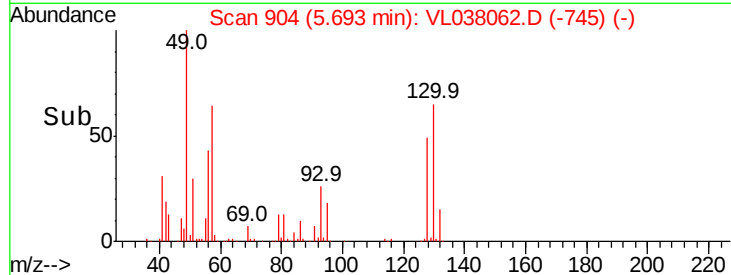
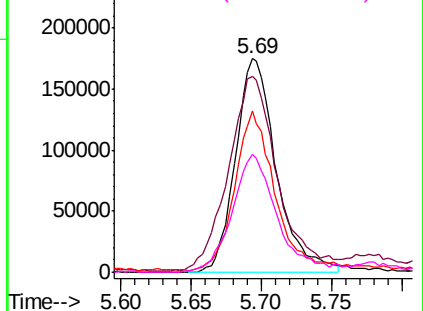


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 1.691 ppbv

RT: 4.56 min Scan# 551

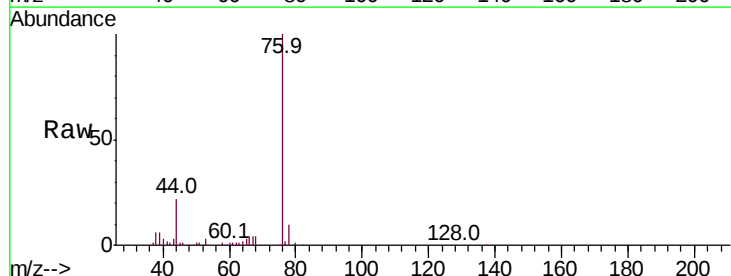
Delta R.T. 0.01 min

Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

Tgt Ion: 76 Resp: 192218

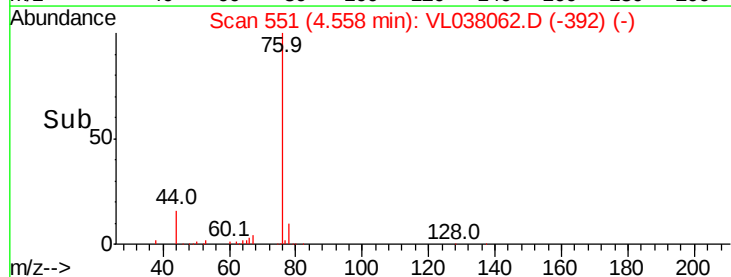
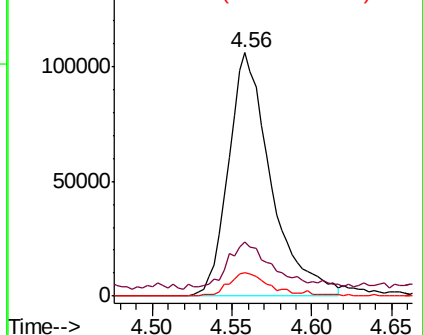
Ion	Ratio	Lower	Upper
76	100		
44	22.3	14.9	22.3#
78	10.0	7.6	11.4

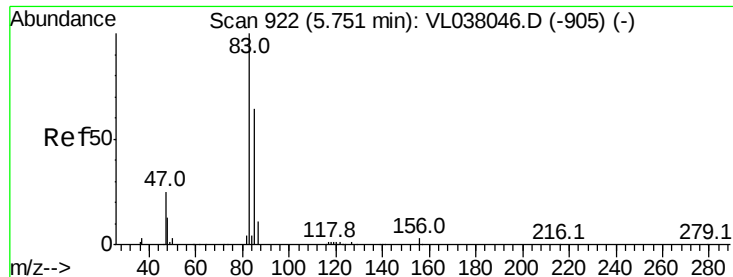


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.294 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

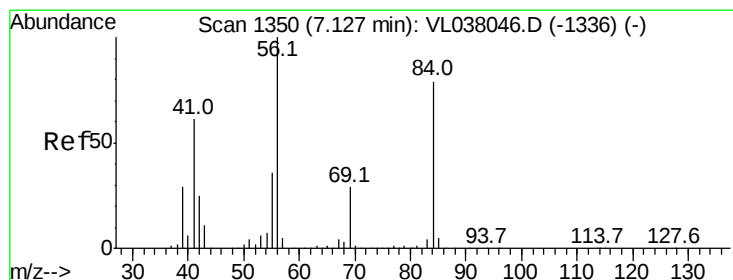
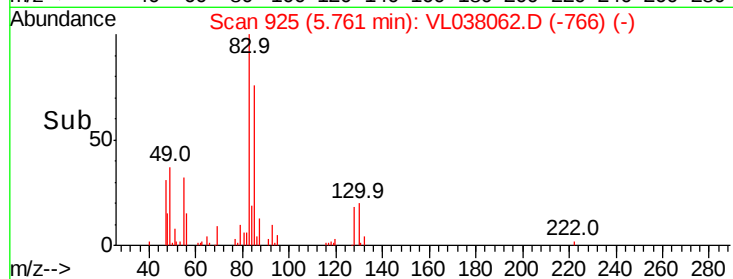
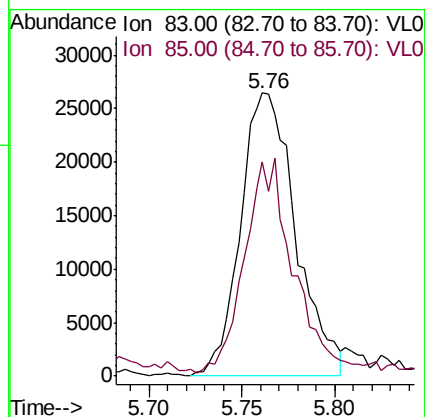
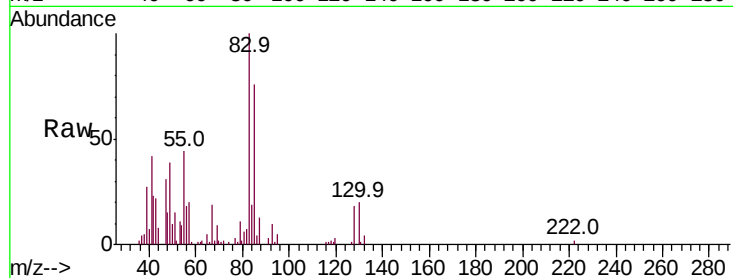
Acq: 18 Nov 2021 20:27

Tot Ion: 83 Resp: 54966

Ion Ratio Lower Upper

83 100

85 73.5 51.0 76.6



#30

Cyclohexane

Concen: 0.477 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

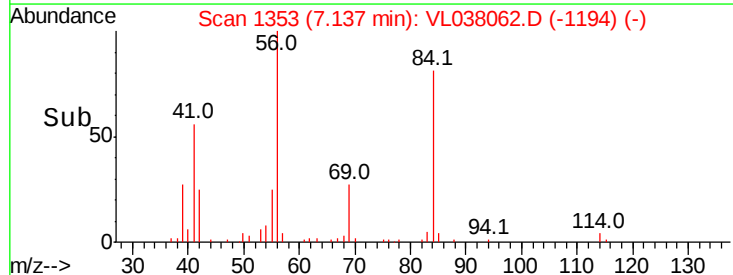
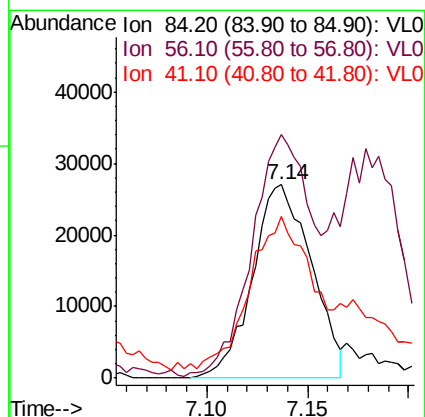
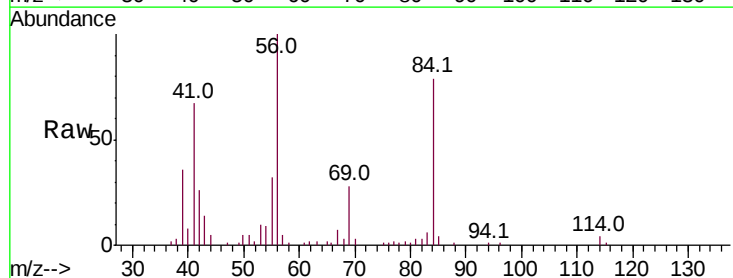
Tgt Ion: 84 Resp: 54910

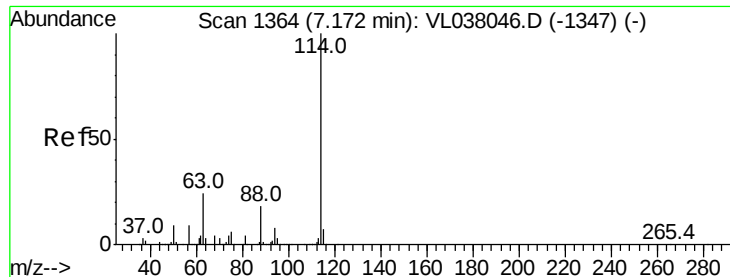
Ion Ratio Lower Upper

84 100

56 129.6 108.1 162.1

41 114.7 64.4 96.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 15-JOHN

Acq: 18 Nov 2021 20:27

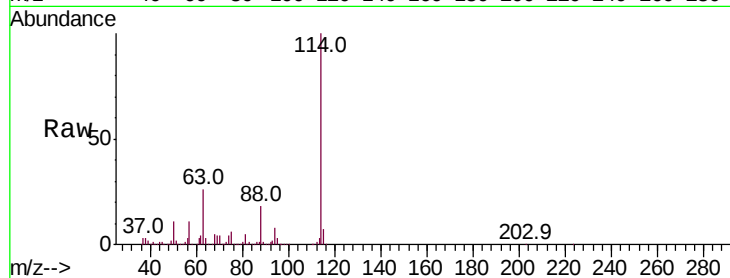
Tot Ion:114 Resp: 2495472

Ion Ratio Lower Upper

114 100

63 25.0 19.7 29.5

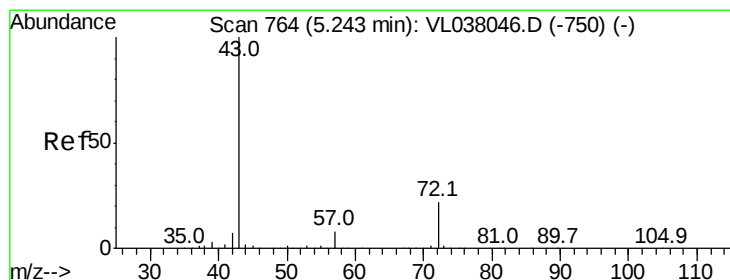
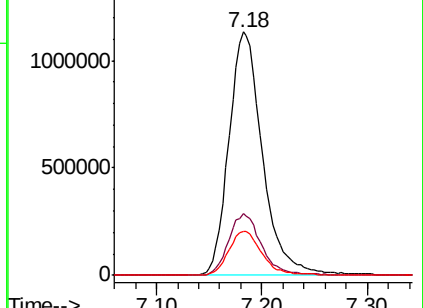
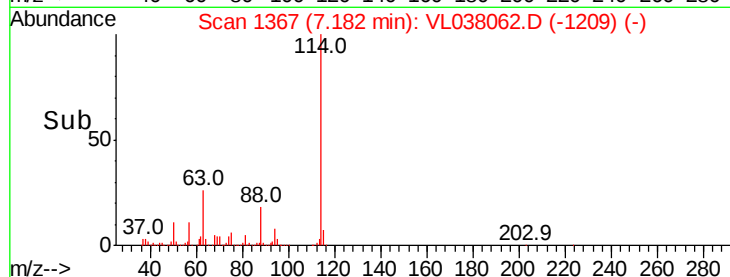
88 18.2 14.4 21.6



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: 6.395 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.01 min

Lab File: VL038062.D

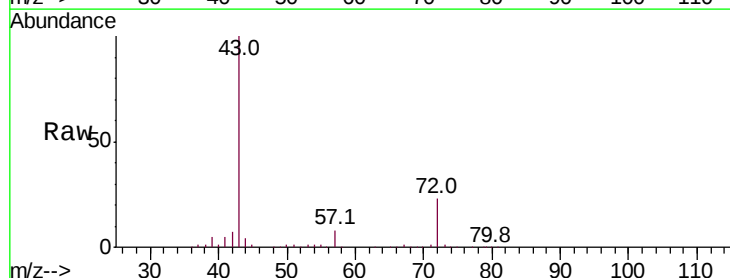
Acq: 18 Nov 2021 20:27

Tgt Ion: 43 Resp: 643477

Ion Ratio Lower Upper

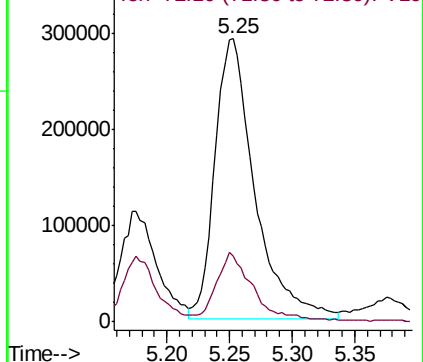
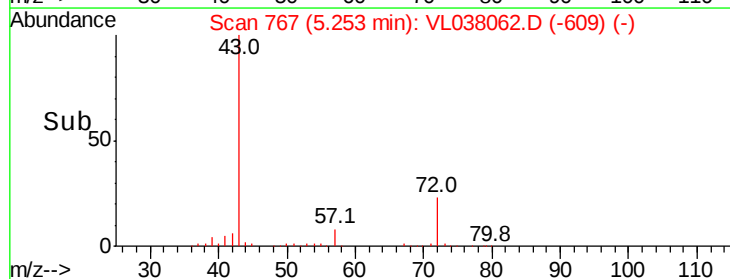
43 100

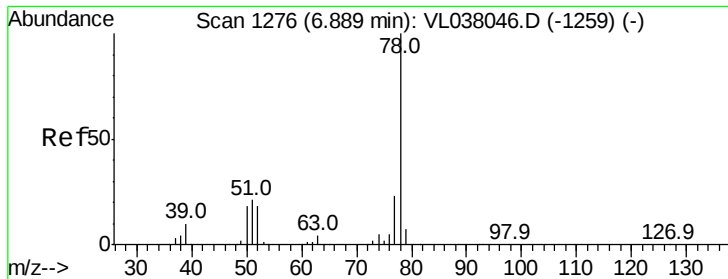
72 23.4 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

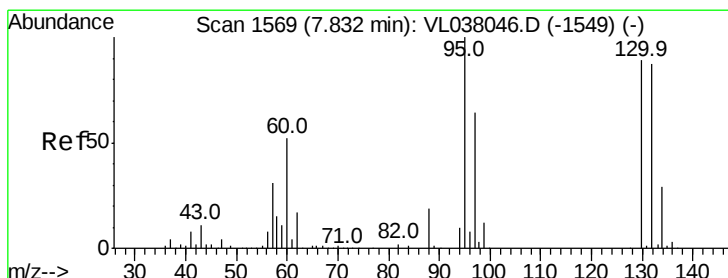
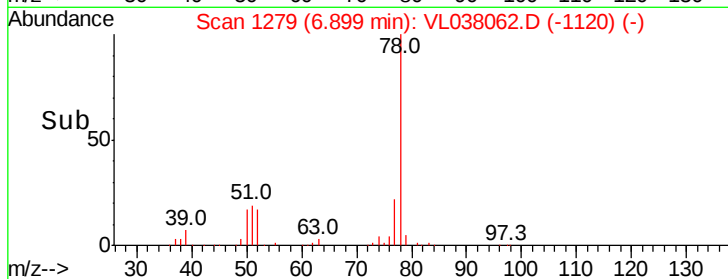
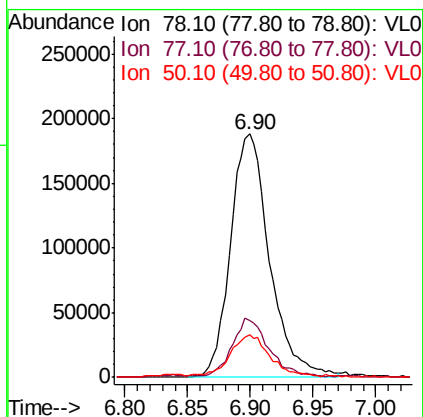
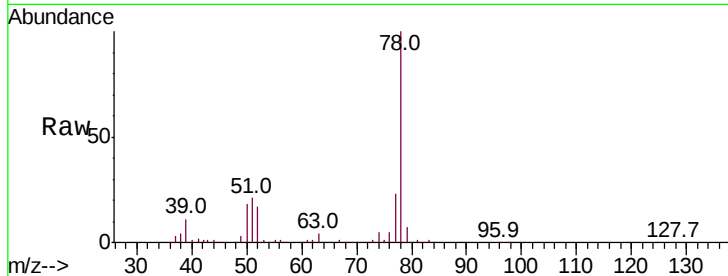
Ion 72.10 (71.80 to 72.80): VL0





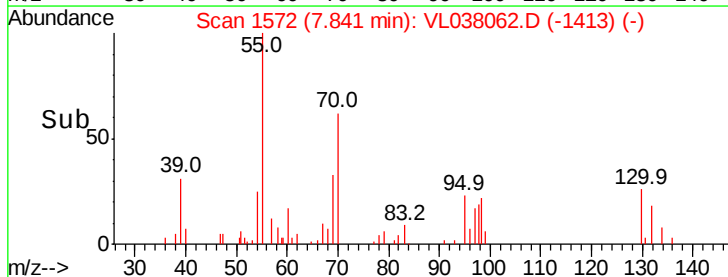
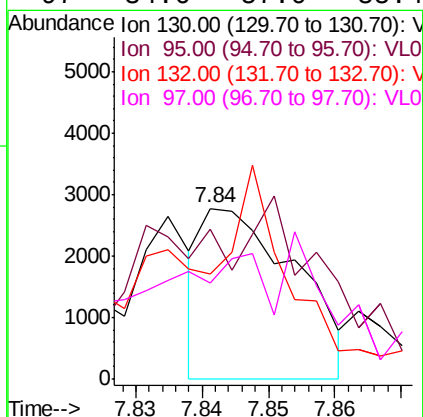
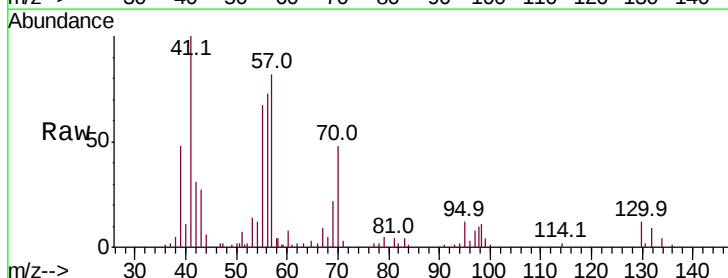
#36
Benzene
Concen: 1.630 ppbv
RT: 6.90
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 18 Nov 2021 20:27

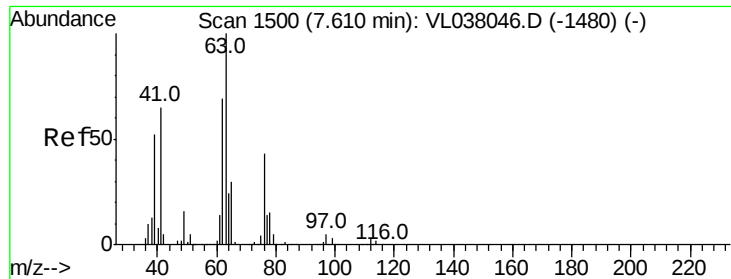
Tot Ion: 78 Resp: 405738
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.4
50 17.2 14.7 22.1



#38
Trichloroethene
Concen: 0.029 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VL038062.D
Acq: 18 Nov 2021 20:27

Tgt Ion:130 Resp: 2719
Ion Ratio Lower Upper
130 100
95 30.3 89.4 134.2#
132 63.0 78.2 117.2#
97 34.6 57.0 85.4#





#39

1,2-Dichloropropane

Concen: 6.419 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 20:27

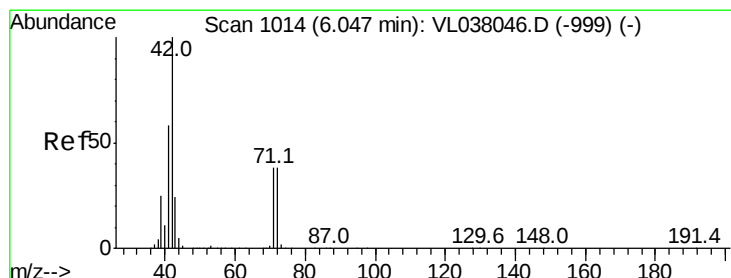
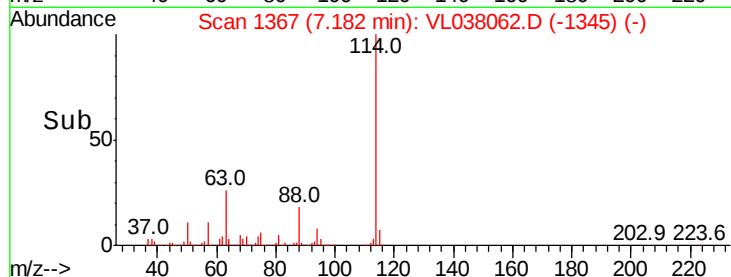
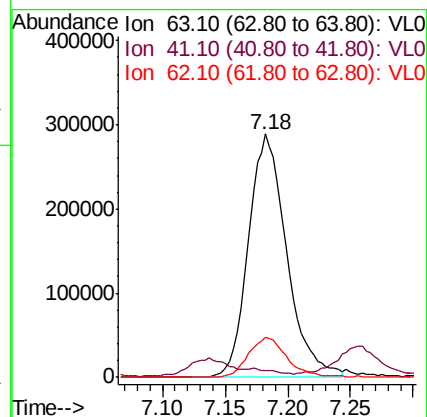
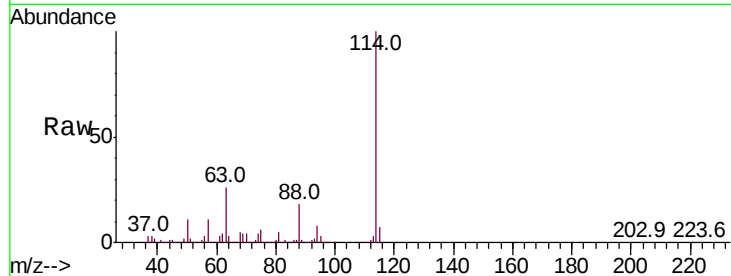
Tot Ion: 63 Resp: 612965

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

62 16.4 55.1 82.7#



#41

Tetrahydrofuran

Concen: 0.045 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

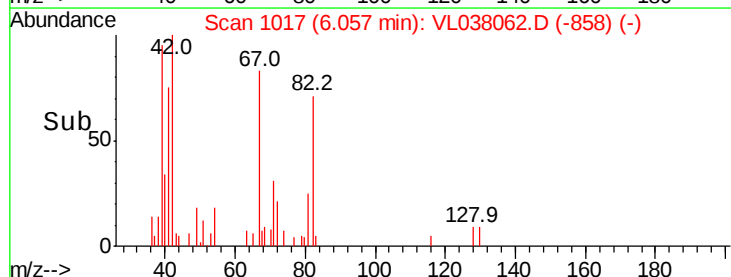
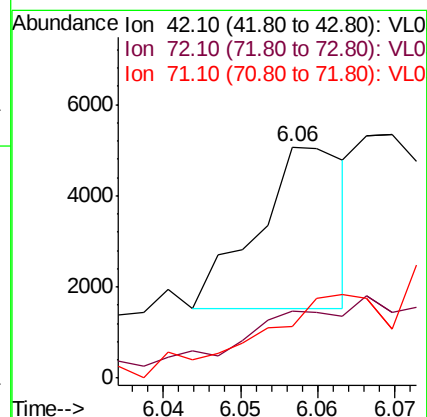
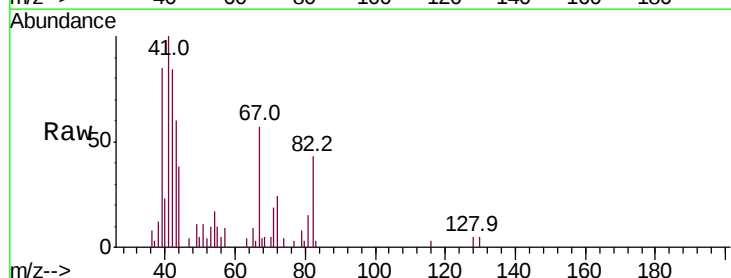
Tgt Ion: 42 Resp: 2820

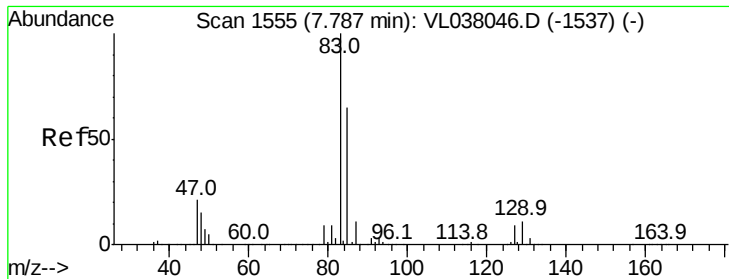
Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 0.0 30.6 46.0#





#42

Bromodichloromethane

Concen: 0.021 ppbv

RT: 7.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 20:27

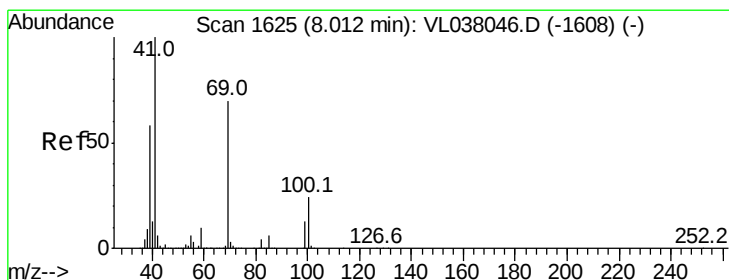
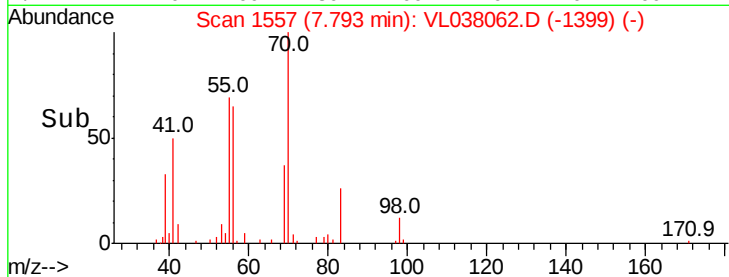
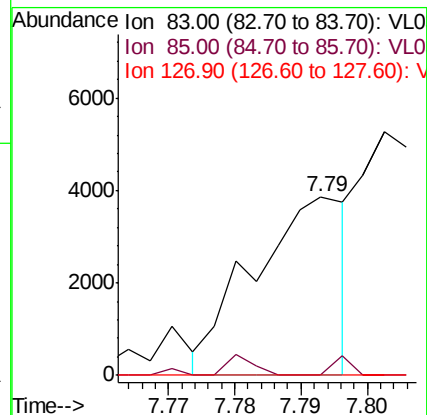
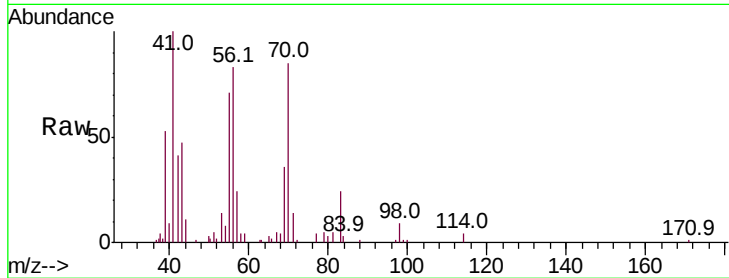
Tot Ion: 83 Resp: 3775

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#

127 0.0 6.8 10.2#



#43

Methyl Methacrylate

Concen: 0.541 ppbv

RT: 8.06 min Scan# 1641

Delta R.T. 0.05 min

Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

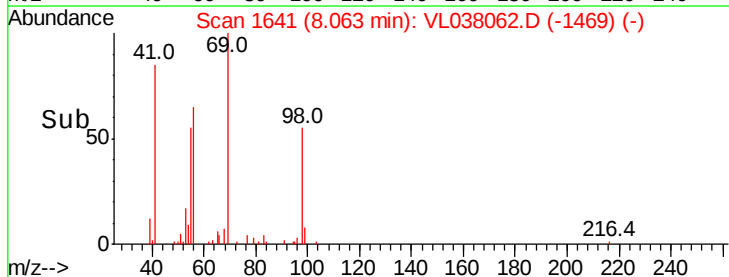
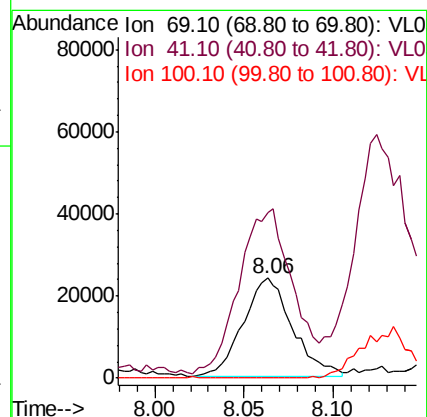
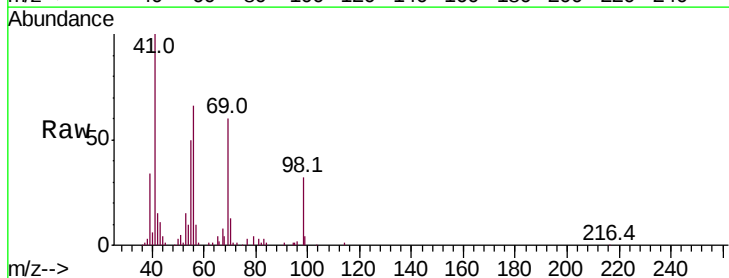
Tgt Ion: 69 Resp: 46060

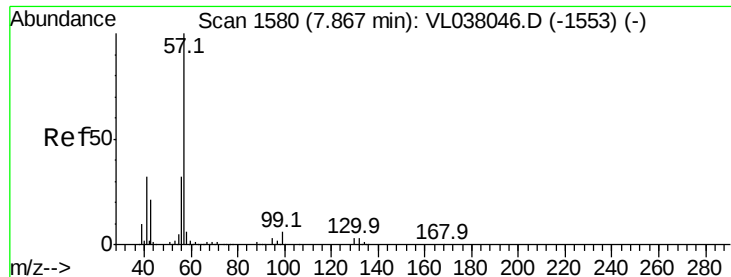
Ion Ratio Lower Upper

69 100

41 176.3 116.7 175.1#

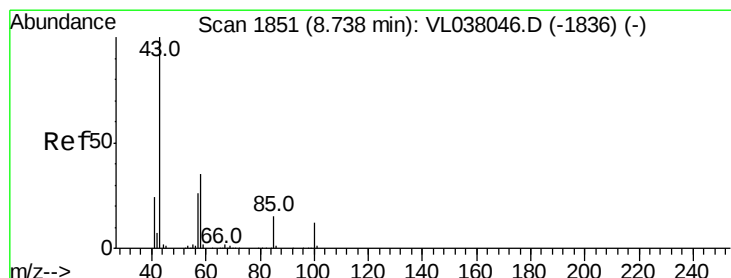
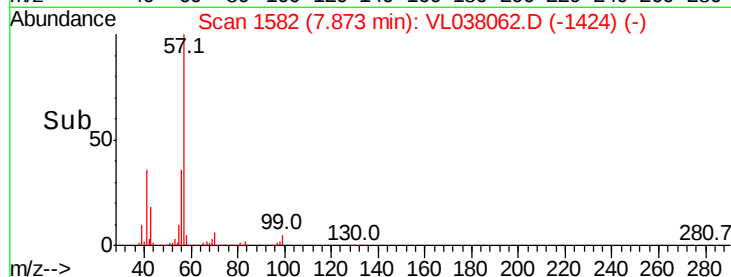
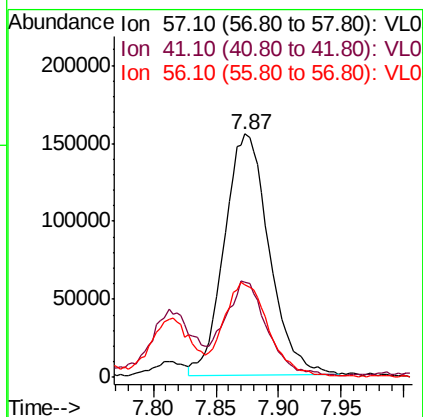
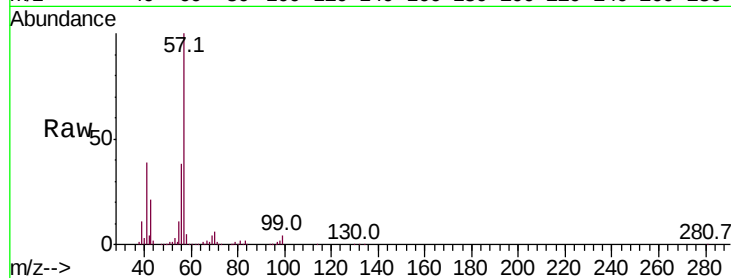
100 0.0 27.3 40.9#





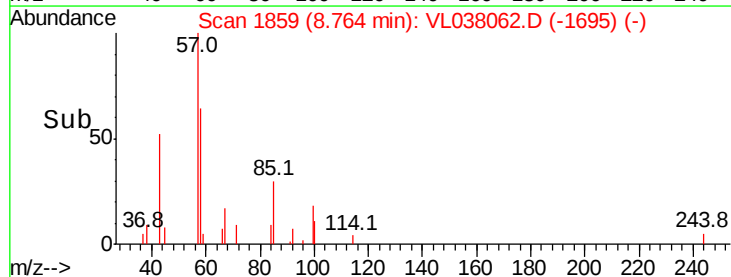
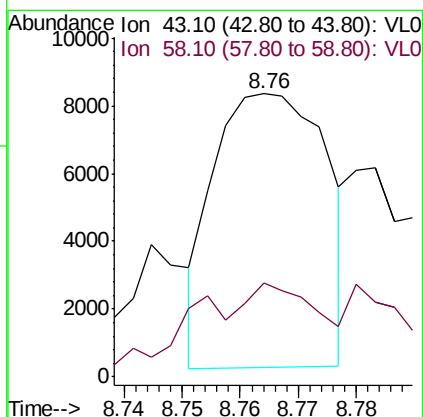
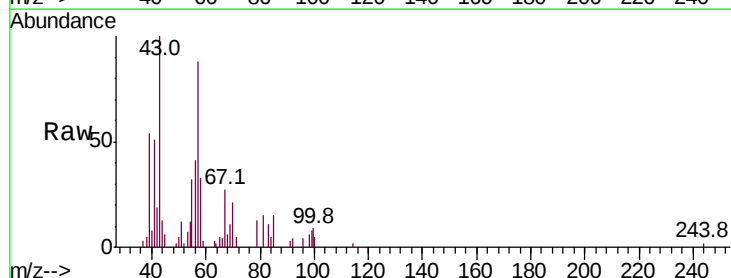
#44
 2,2,4-Trimethylpentane
 Concen: 0.920 ppbv
 RT: 7.87
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 15-JOHN
 Acq: 18 Nov 2021 20:27

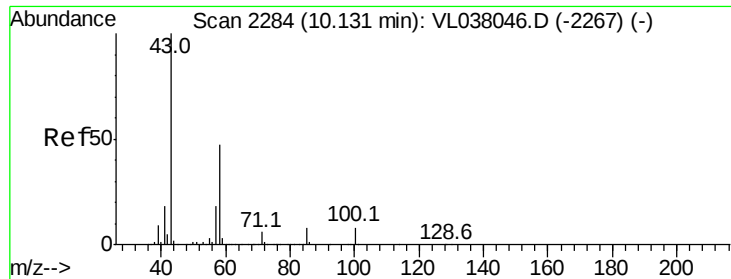
Tot Ion: 57 Resp: 383016
 Ion Ratio Lower Upper
 57 100
 41 37.8 25.8 38.6
 56 40.2 25.6 38.4#



#50
 4-Methyl-2-Pentanone
 Concen: 0.071 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.03 min
 Lab File: VL038062.D
 Acq: 18 Nov 2021 20:27

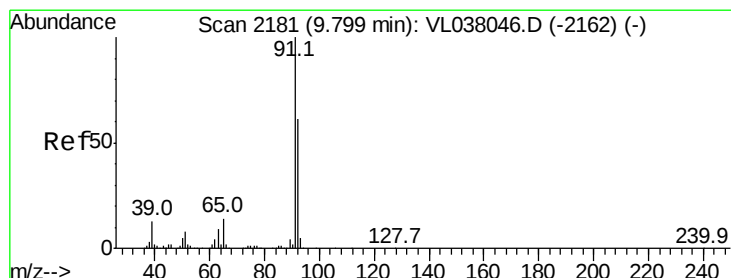
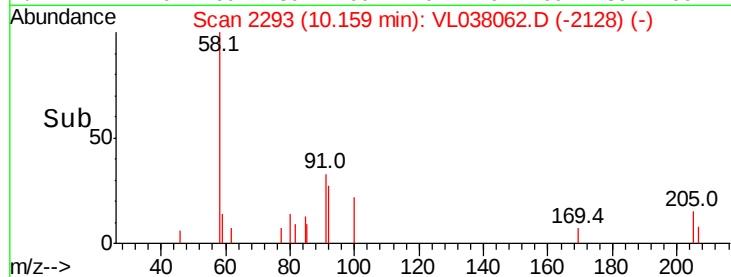
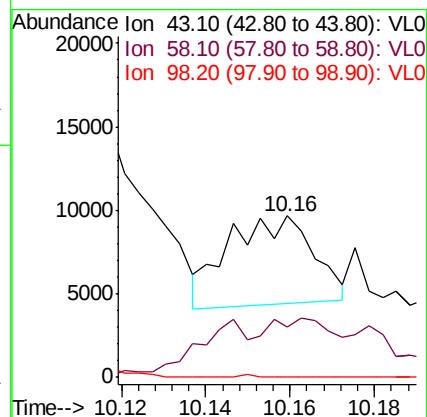
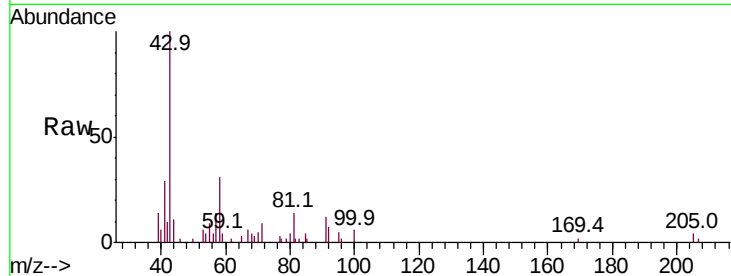
Tgt Ion: 43 Resp: 10848
 Ion Ratio Lower Upper
 43 100
 58 80.5 29.4 44.2#





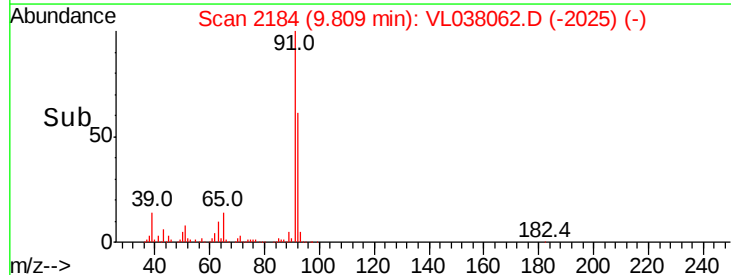
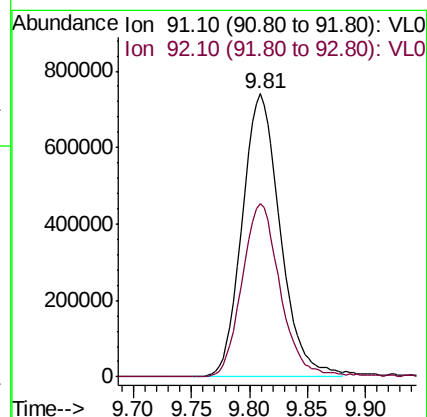
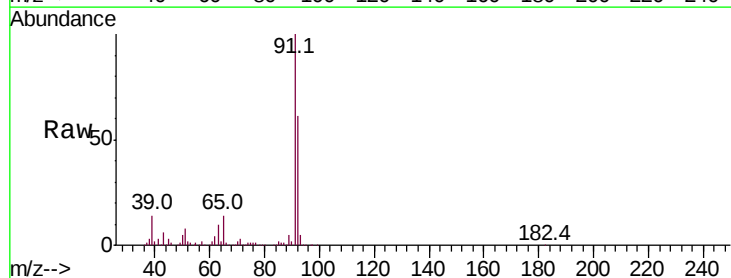
#51
2-Hexanone
Concen: 0.102 ppbv
RT: 10.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 18 Nov 2021 20:27

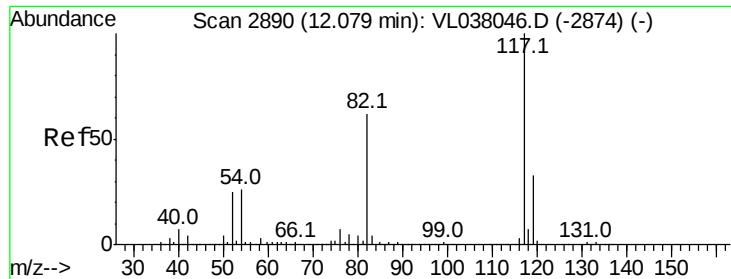
Tot Ion: 43 Resp: 7303
Ion Ratio Lower Upper
43 100
58 161.6 41.1 61.7#
98 0.0 0.1 0.1#



#53
Toluene
Concen: 5.894 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. 0.01 min
Lab File: VL038062.D
Acq: 18 Nov 2021 20:27

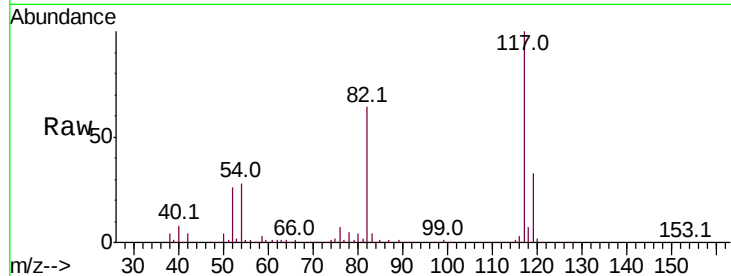
Tgt Ion: 91 Resp: 1688186
Ion Ratio Lower Upper
91 100
92 62.6 49.7 74.5



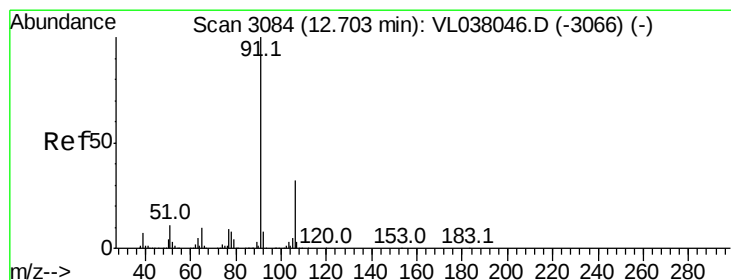
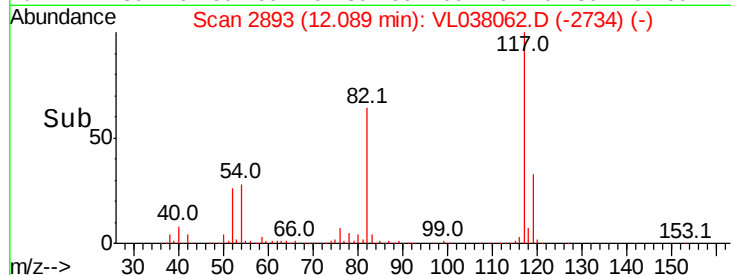
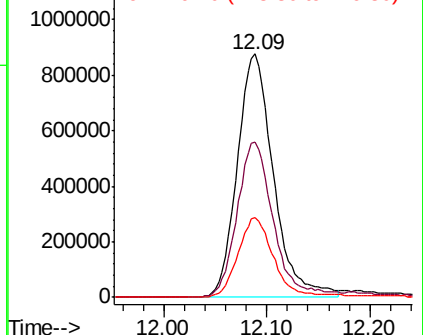


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 20:27

Tot Ion: 117 Resp: 2145234
Ion Ratio Lower Upper
117 100
82 68.8 52.8 79.2
119 34.4 26.8 40.2

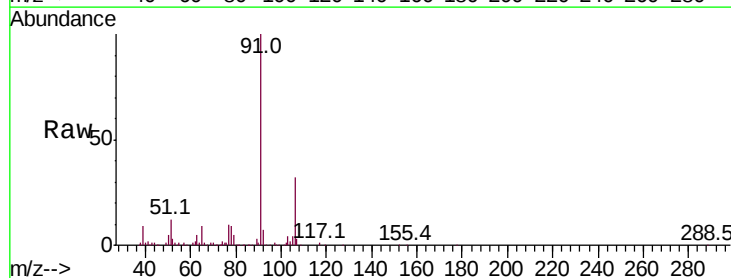


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

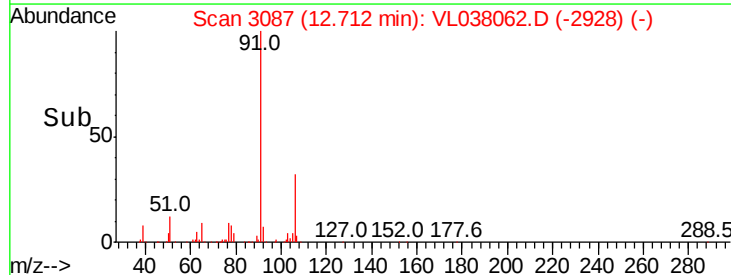
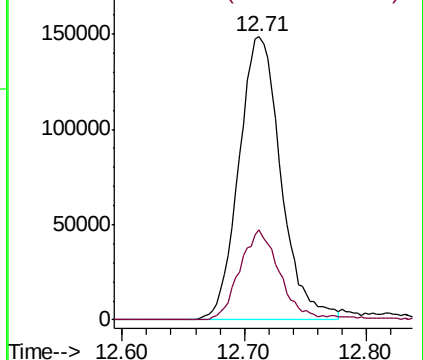


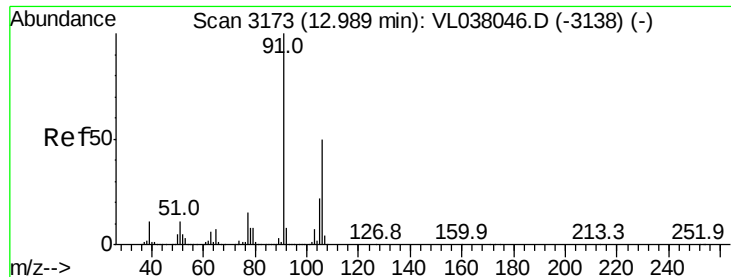
#58
Ethyl Benzene
Concen: 0.995 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL038062.D
Acq: 18 Nov 2021 20:27

Tgt Ion: 91 Resp: 352878
Ion Ratio Lower Upper
91 100
106 31.6 25.8 38.6



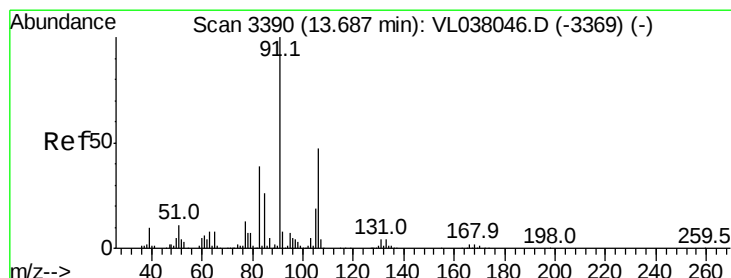
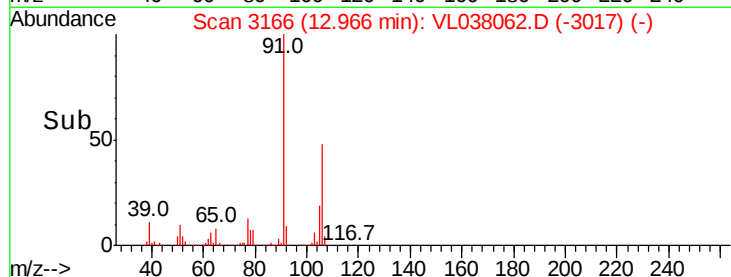
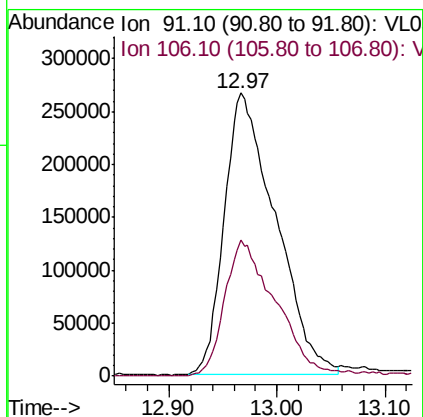
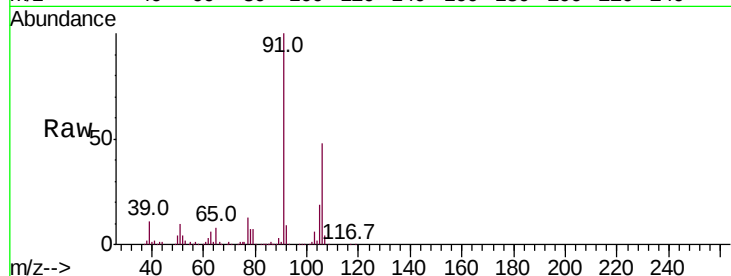
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





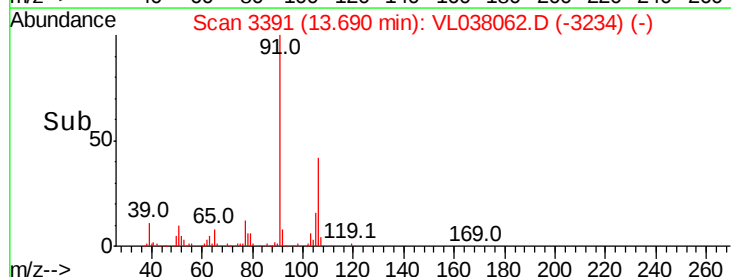
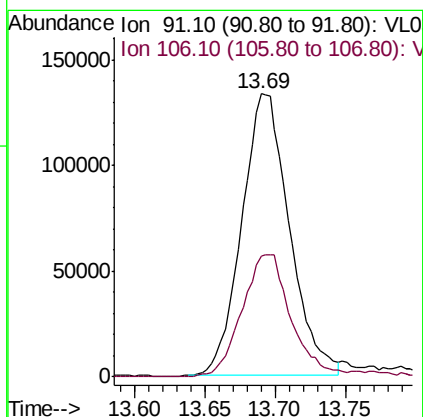
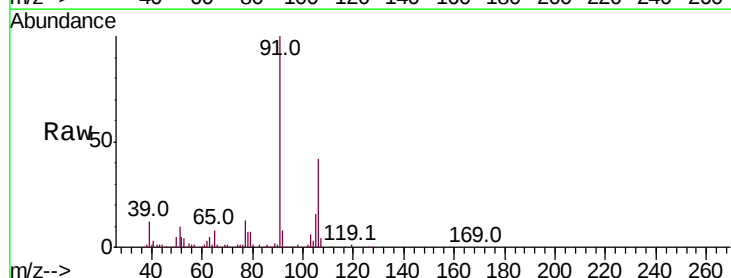
#59
m/p-Xylene
Concen: 2.934 ppbv
RT: 12.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 20:27

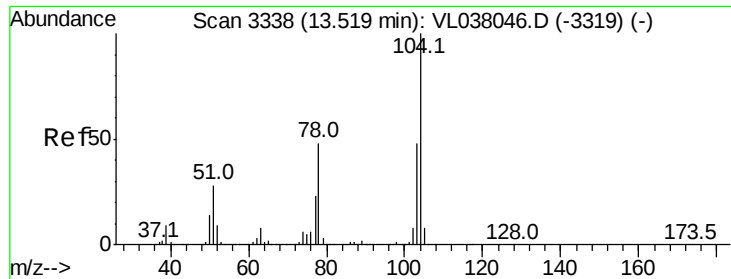
Tot Ion: 91 Resp: 875649
Ion Ratio Lower Upper
91 100
106 49.1 38.1 57.1



#60
o-Xylene
Concen: 1.140 ppbv
RT: 13.69 min Scan# 3391
Delta R.T.: 0.00 min
Lab File: VL038062.D
Acq: 18 Nov 2021 20:27

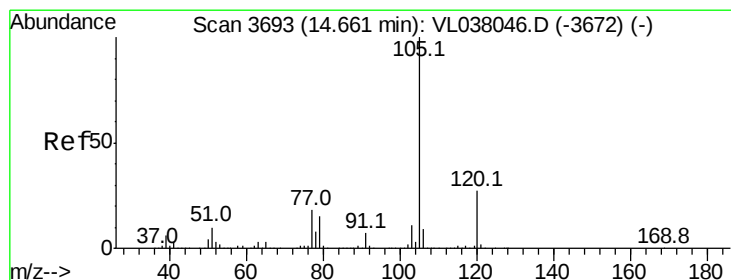
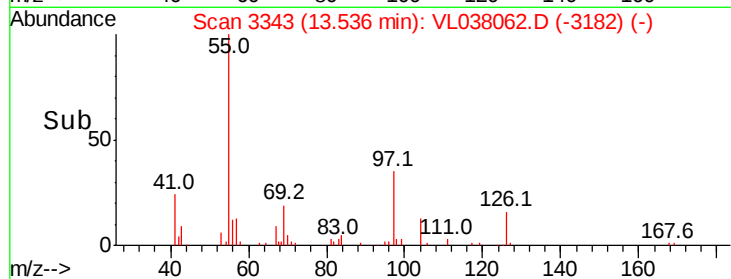
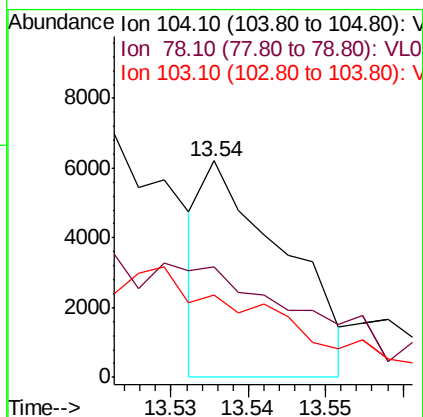
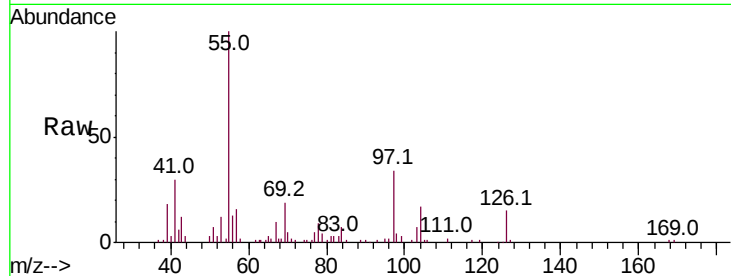
Tgt Ion: 91 Resp: 315649
Ion Ratio Lower Upper
91 100
106 46.5 24.2 72.6





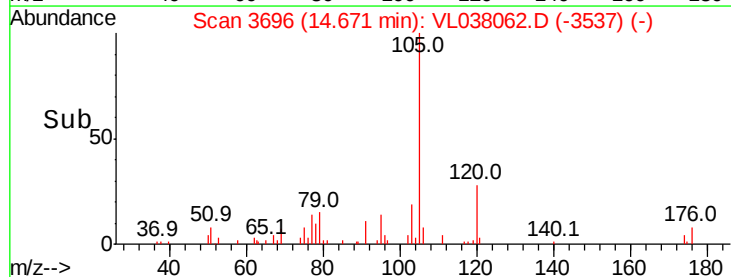
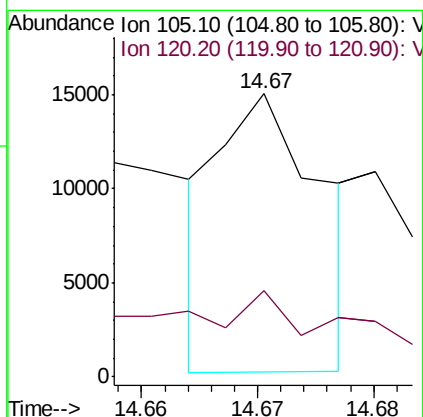
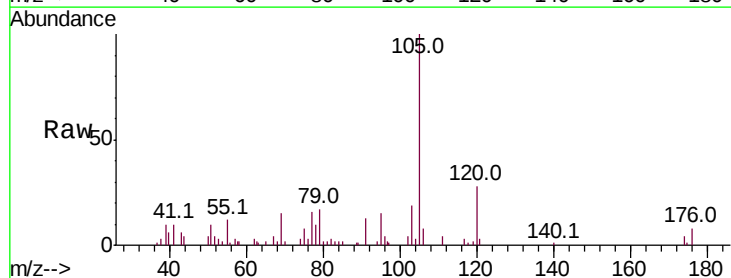
#61
Stvrene
Concen: 0.030 ppbv
RT: 13.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 20:27

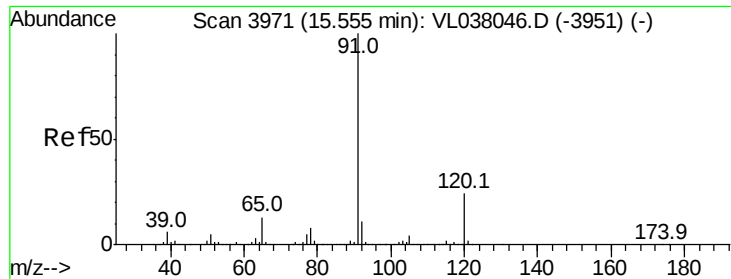
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.8	59.6#
103	153.6	38.2	57.2#



#62
Isopropylbenzene
Concen: 0.023 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.01 min
Lab File: VL038062.D
Acq: 18 Nov 2021 20:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	97.9	21.8	32.6#





#64

n-propylbenzene

Concen: 0.108 ppbv

RT: 15.56

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

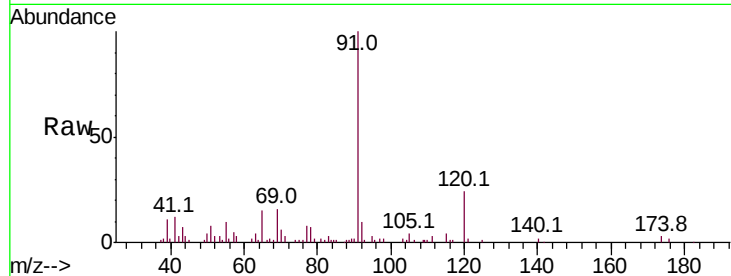
Acq: 18 Nov 2021 20:27

Tot Ion:120 Resp: 10842

Ion Ratio Lower Upper

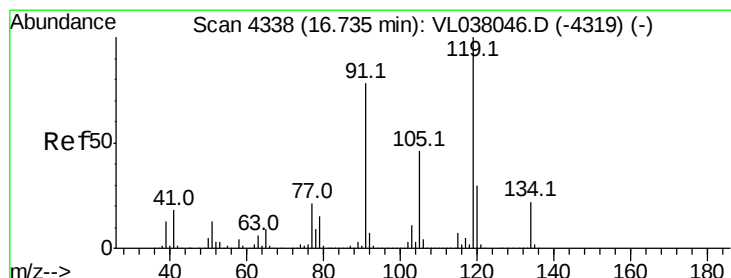
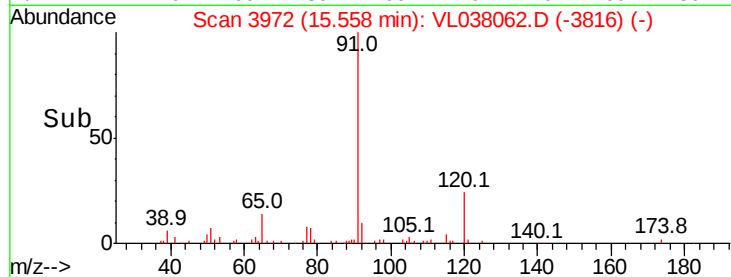
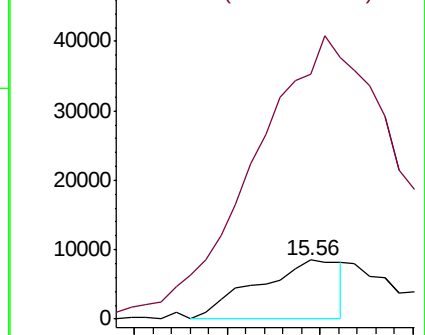
120 100

91 870.1 371.7 557.5#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.043 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.03 min

Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

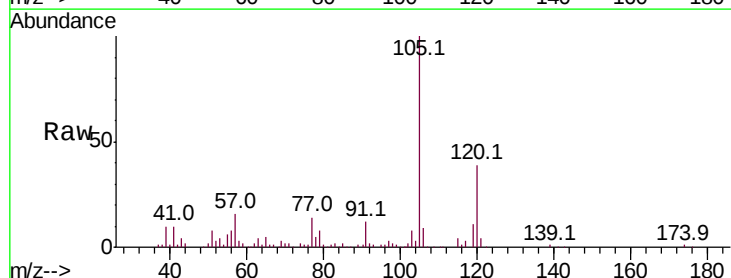
Tgt Ion:119 Resp: 14848

Ion Ratio Lower Upper

119 100

91 0.0 63.2 94.8#

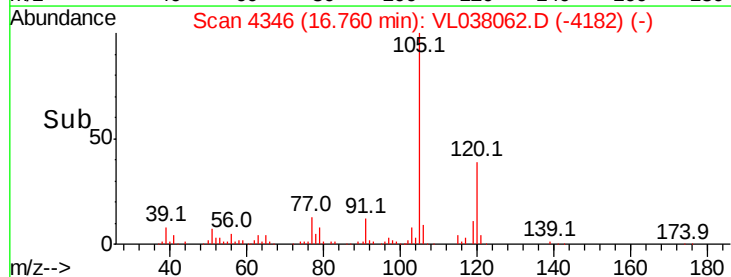
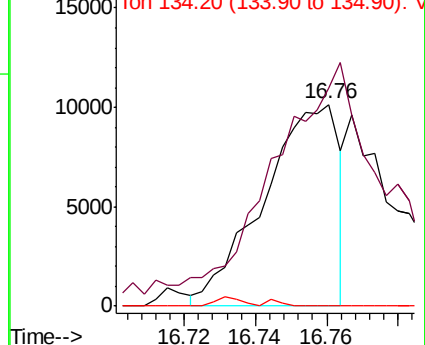
134 0.0 16.1 24.1#

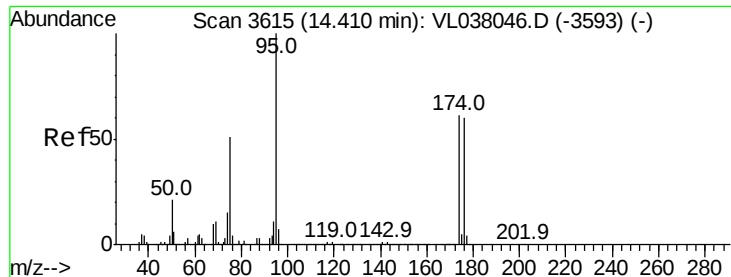


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.171 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 20:27

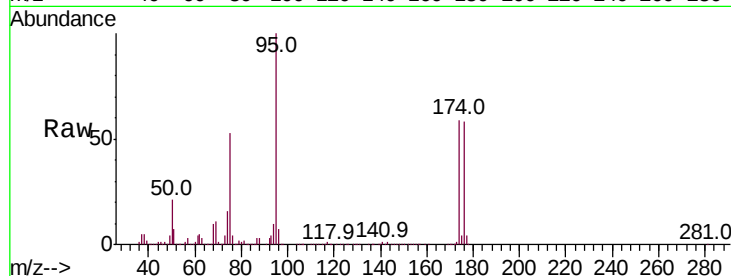
Tot Ion: 95 Resp: 1573775

Ion Ratio Lower Upper

95 100

174 65.4 53.1 79.7

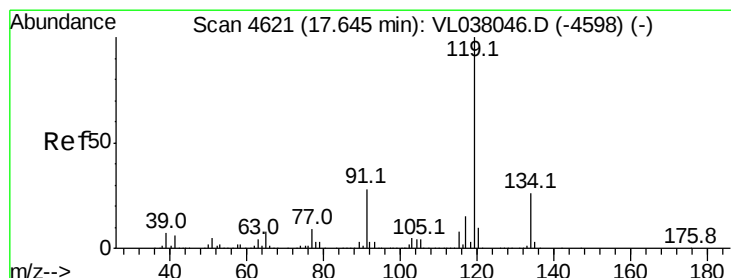
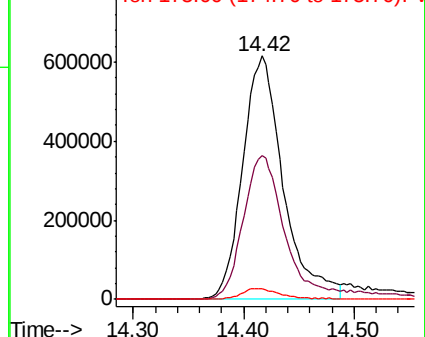
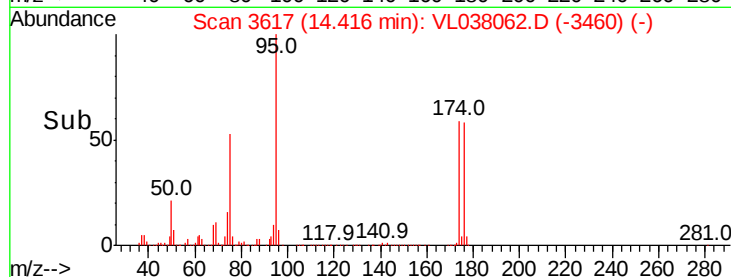
175 4.6 4.0 6.0



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: 0.031 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. 0.01 min

Lab File: VL038062.D

Acq: 18 Nov 2021 20:27

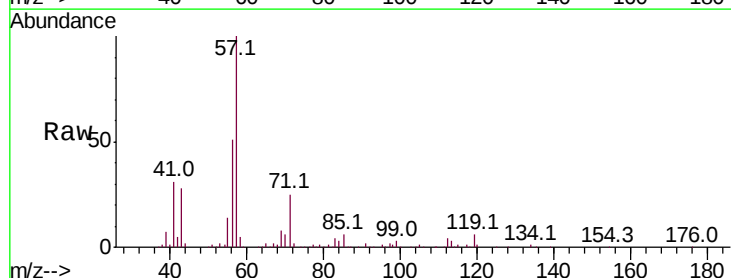
Tgt Ion: 119 Resp: 11660

Ion Ratio Lower Upper

119 100

134 38.9 20.6 30.8#

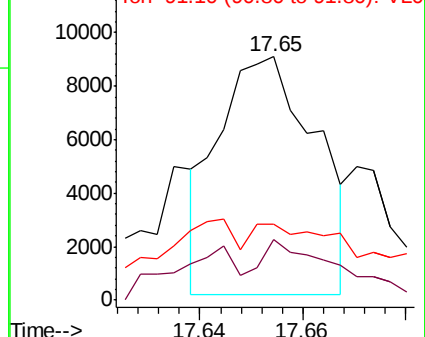
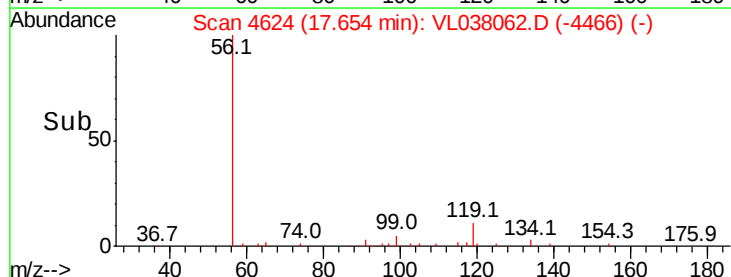
91 49.2 22.2 33.4#

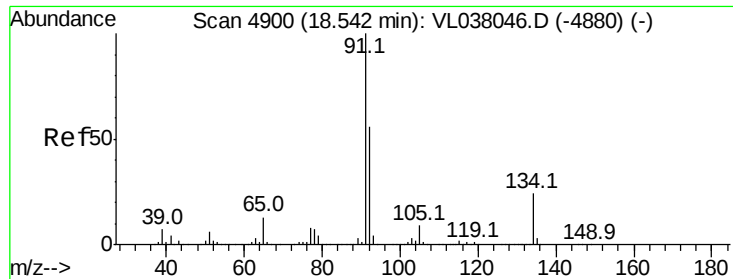


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

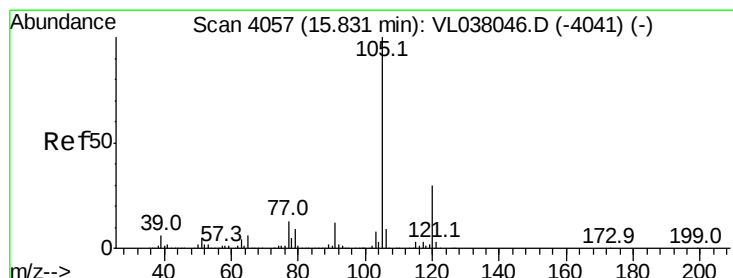
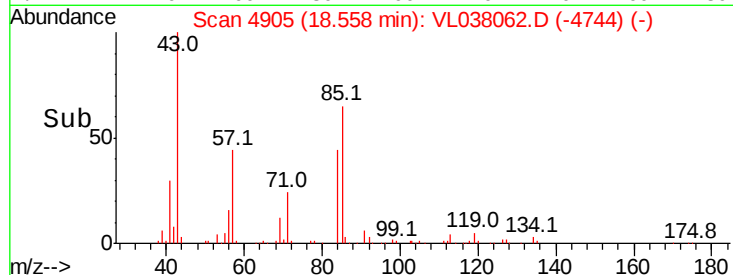
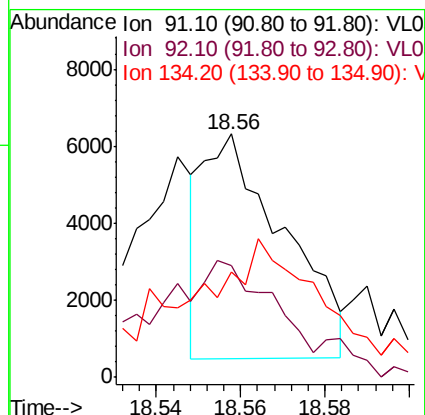
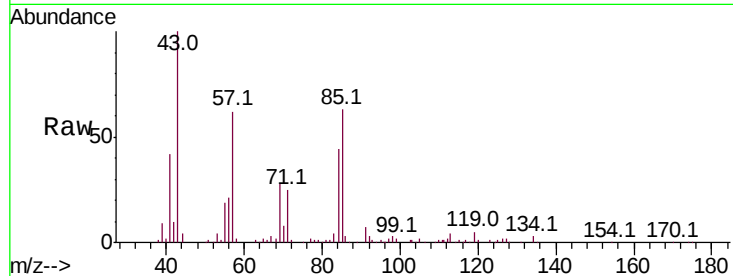
Ion 91.10 (90.80 to 91.80): VL0





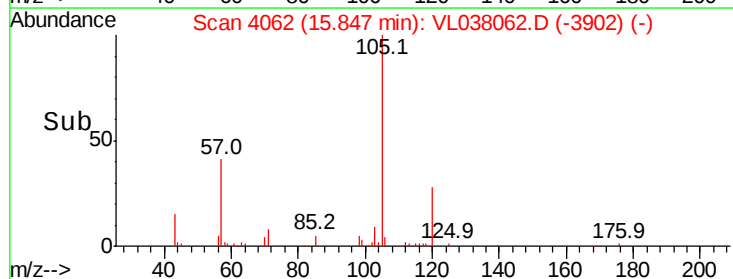
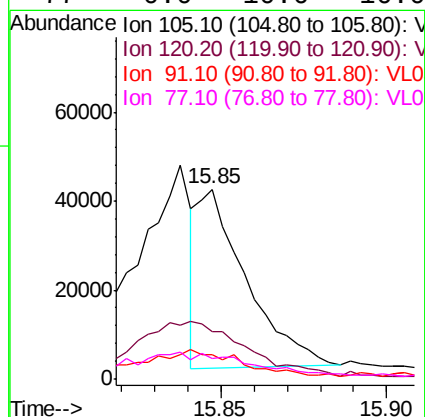
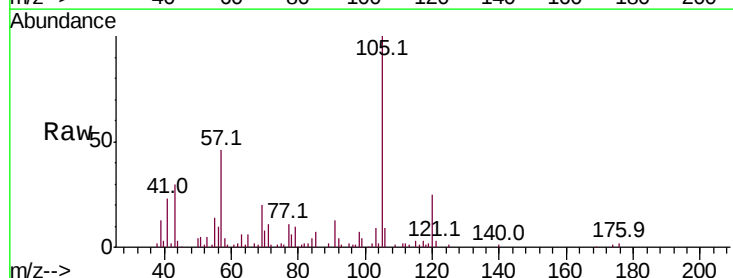
#70
n-Butylbenzene
Concen: 0.021 ppbv
RT: 18.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Nov 2021 20:27

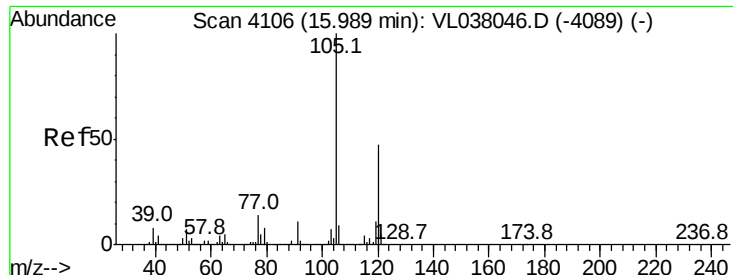
Tot Ion	Ratio	Lower	Upper
91	100		
92	102.9	44.1	66.1#
134	150.4	18.9	28.3#



#72
4-Ethyltoluene
Concen: 0.126 ppbv
RT: 15.85 min Scan# 4062
Delta R.T. 0.02 min
Lab File: VL038062.D
Acq: 18 Nov 2021 20:27

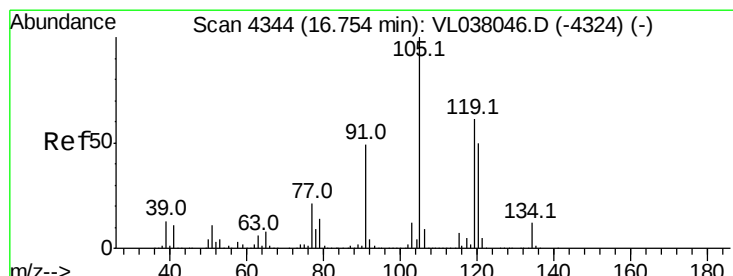
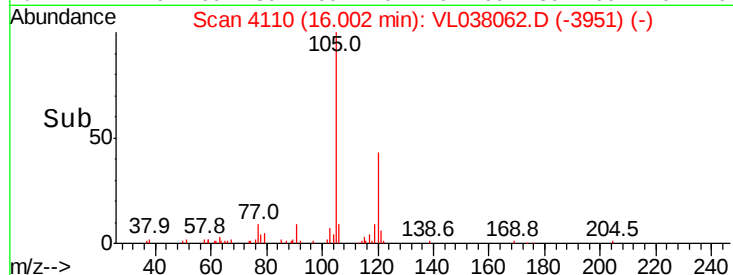
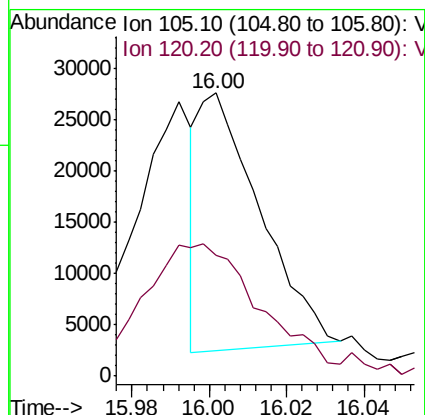
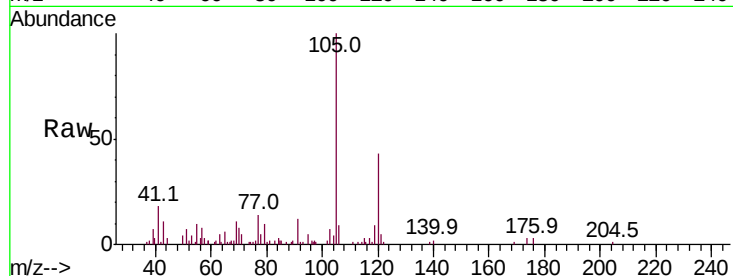
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	25.1	37.7#
91	0.0	9.7	14.5#
77	0.0	10.6	16.0#





#73
 1,3,5-Trimethylbenzene
 Concen: 0.093 ppbv
 RT: 16.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 20:27

Tot Ion:105 Resp: 27204
 Ion Ratio Lower Upper
 105 100
 120 43.7 37.8 56.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.764 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.01 min
 Lab File: VL038062.D
 Acq: 18 Nov 2021 20:27

Tgt Ion:105 Resp: 230960
 Ion Ratio Lower Upper
 105 100
 120 43.4 40.1 60.1
 91 12.3 39.8 59.8#
 77 11.2 16.6 25.0#

