

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038203.D
 Acq On : 17 Dec 2021 00:18
 Operator : SY/AP
 Sample : M5119-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 05:10:59 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	908610	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2681465	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.21	117	964446	10.00	ppbv	0.13

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	8308856	119.44	ppbv	0.14
Spiked Amount	10.000	Range	65 - 135	Recovery	= 1194.40%#	

Target Compounds

					Ovalue
3) Chlorodifluoromethane	3.00	51	136464	0.715	ppbv 97
4) Chloromethane	3.15	50	253372	3.901	ppbv 100
5) Vinyl Chloride	3.27	62	6635	0.104	ppbv 97
7) Chloroethane	3.56	64	2423	0.107	ppbv # 70
9) Propene	3.02	41	9741053	138.617	ppbv # 67
10) Heptane	8.17	43	28716820	165.343	ppbv # 81
11) Trichlorofluoromethane	3.96	101	61421	0.430	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.50	101	6846	0.068	ppbv 86
13) Ethanol	3.61	45	144586	21.291	ppbv 91
15) Acetone	3.85	43	9374324	118.997	ppbv # 81
16) 1,3-Butadiene	3.34	39	25686665	417.950	ppbv # 12
17) tert-Butyl alcohol	4.30	59	140802	1.473	ppbv 96
18) 1,1-Dichloroethene	4.30	96	9881	0.213	ppbv # 54
19) Isopropyl Alcohol	3.97	45	9056291	159.105	ppbv # 1
20) Methylene Chloride	4.36	84	267391	6.060	ppbv 98
21) Allyl Chloride	4.41	41	30311	0.416	ppbv # 1
22) trans-1,2-Dichloroethene	4.90	96	9187	0.196	ppbv 89
23) Vinyl Acetate	5.07	43	103565	0.908	ppbv # 35
25) Ethyl Acetate	5.70	43	617484	2.358	ppbv # 93
26) Hexane	5.70	57	556169	4.407	ppbv # 60
27) Carbon Disulfide	4.56	76	179084	1.584	ppbv 99
29) Chloroform	5.76	83	102584	0.552	ppbv 98
30) Cyclohexane	7.14	84	569784	4.973	ppbv # 1
31) cis-1,2-Dichloroethene	5.56	61	864182	7.199	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	39873	0.211	ppbv # 89
34) 2-Butanone	5.25	43	6165570	57.024	ppbv 98
36) Benzene	6.90	78	260150	0.973	ppbv # 78
38) Trichloroethene	7.85	130	4860158	48.170	ppbv 99
39) 1,2-Dichloropropane	7.52	63	43015	0.419	ppbv # 1
40) 1,4-Dioxane	7.86	88	852	0.032	ppbv # 1
41) Tetrahydrofuran	6.02	42	2098787	31.269	ppbv # 39
42) Bromodichloromethane	7.82	83	525715	2.677	ppbv # 24
43) Methyl Methacrylate	8.02	69	40128	0.439	ppbv # 1
44) 2,2,4-Trimethylpentane	7.89	57	1115036	2.492	ppbv # 1
47) 1,1,2-Trichloroethane	9.53	97	37424	0.348	ppbv # 1
50) 4-Methyl-2-Pentanone	8.86	43	5561707	33.871	ppbv # 78
51) 2-Hexanone	10.22	43	10279925	133.067	ppbv # 27
52) Tetrachloroethene	11.43	164	18790483	189.857	ppbv # 83
53) Toluene	9.84	91	3276758	10.647	ppbv 100
57) Chlorobenzene	12.25	112	12848141	148.634	ppbv # 35
58) Ethyl Benzene	12.92	91	49938784	313.283	ppbv # 42

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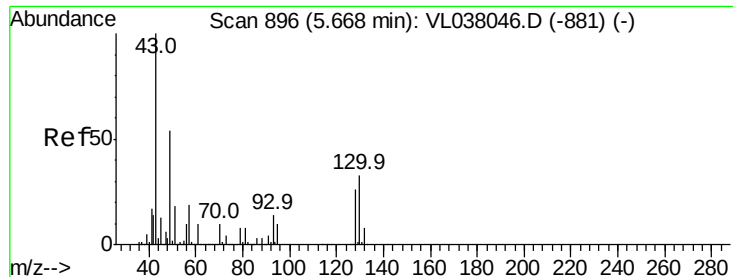
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 05:10:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

59) m/p-Xylene	13.25	91	52326289	389.951	ppbv #	58
60) o-Xylene	13.91	91	19646277	157.827	ppbv #	29
61) Styrene	13.90	104	373303	5.594	ppbv #	1
62) Isopropylbenzene	14.79	105	1055099	5.971	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.81	83	8642021	93.465	ppbv #	47
64) n-propylbenzene	15.66	120	4049	0.090	ppbv #	34
65) tert-Butylbenzene	17.01	119	34033	0.219	ppbv #	30
66) Benzyl Chloride	17.16	91	309	0.039	ppbv #	63
69) p-Isopropyltoluene	17.70	119	767775	4.525	ppbv	100
70) n-Butylbenzene	18.74	91	21795	0.134	ppbv #	53
71) 2-Chlorotoluene	15.64	91	87766	0.679	ppbv #	42
72) 4-Ethyltoluene	16.07	105	69060	0.479	ppbv #	67
73) 1,3,5-Trimethylbenzene	16.07	105	69060	0.524	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	6696	0.049	ppbv #	63

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 00:18

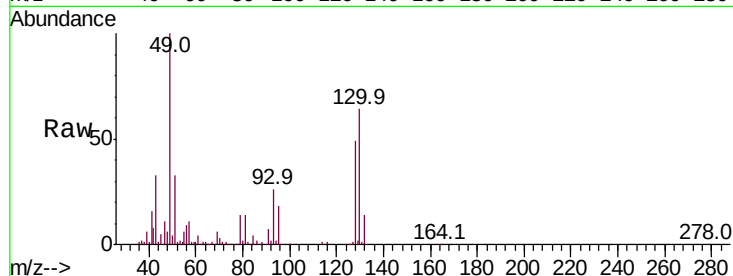
Tot Ion: 49 Resp: 908610

Ion Ratio Lower Upper

49 100

128 52.2 26.5 79.5

130 66.1 32.5 97.4

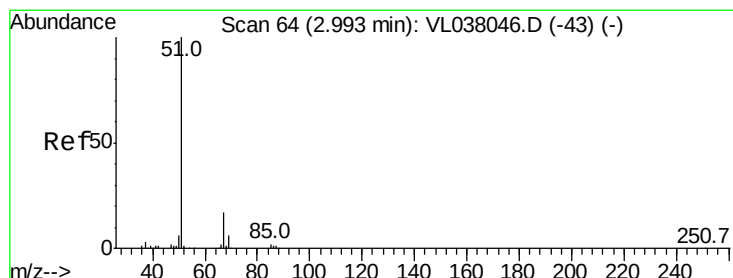
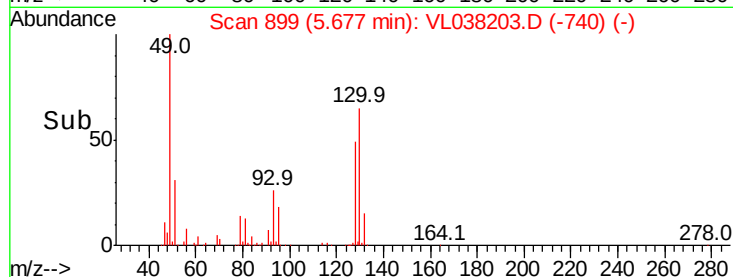
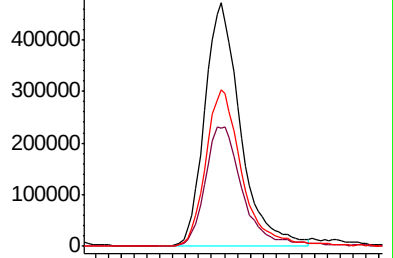


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68



#3

Chlorodifluoromethane

Concen: 0.715 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL038203.D

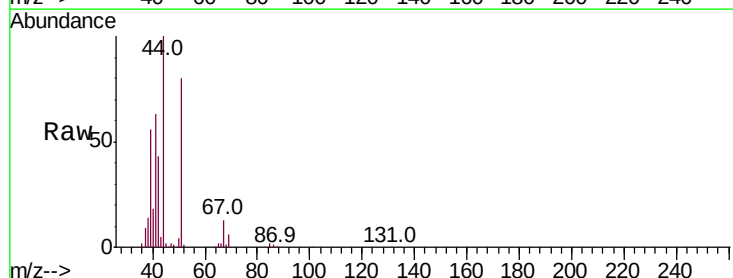
Acq: 17 Dec 2021 00:18

Tgt Ion: 51 Resp: 136464

Ion Ratio Lower Upper

51 100

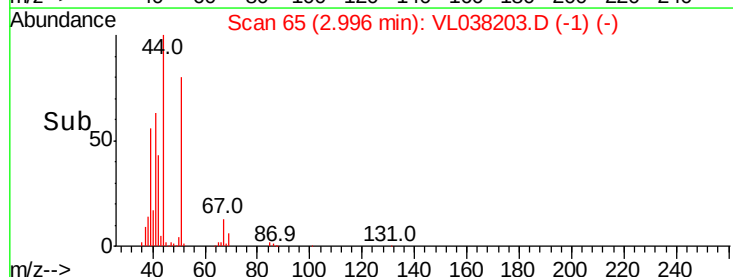
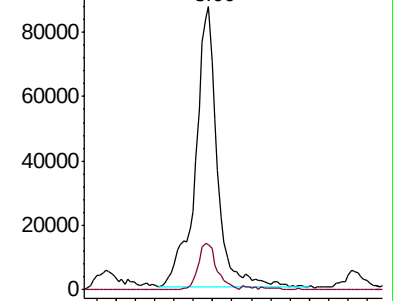
67 15.9 13.8 20.8

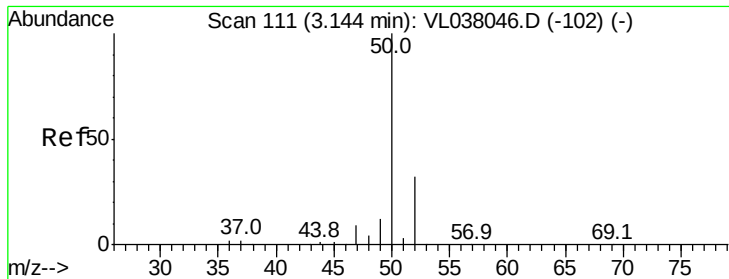


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.00





#4

Chloromethane

Concen: 3.901 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_L

Lab File:

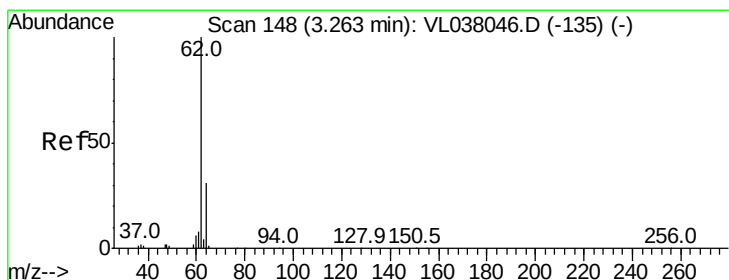
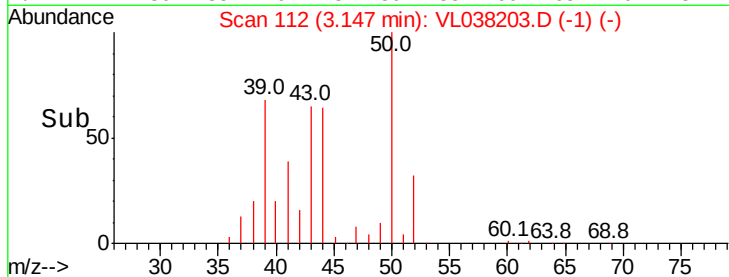
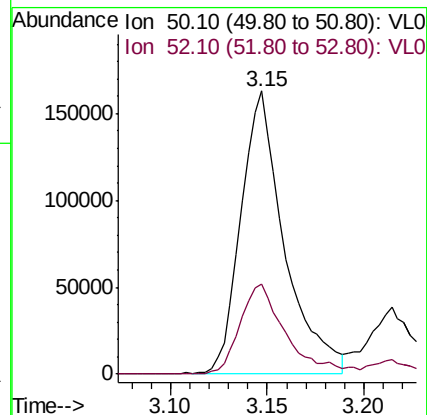
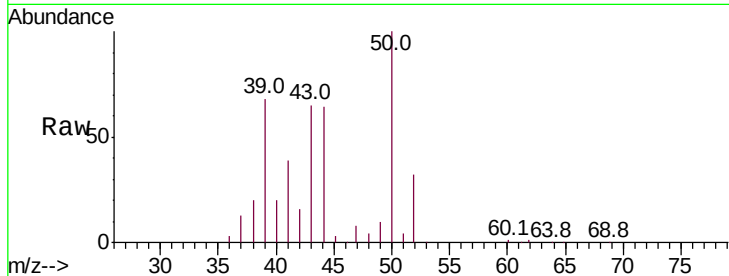
Acq: 17 Dec 2021 00:18

Tot Ion: 50 Resp: 253372

Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.0



#5

Vinyl Chloride

Concen: 0.104 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL038203.D

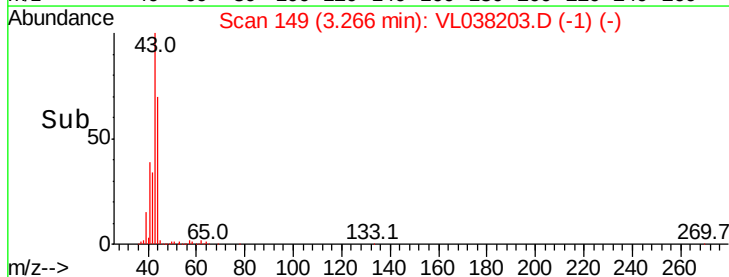
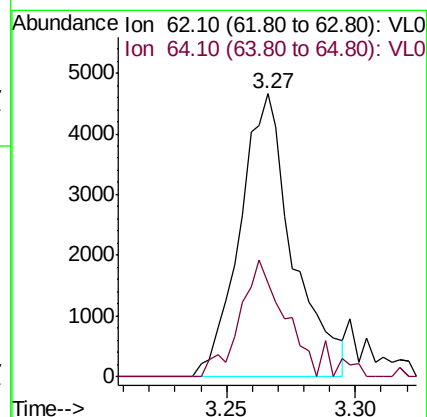
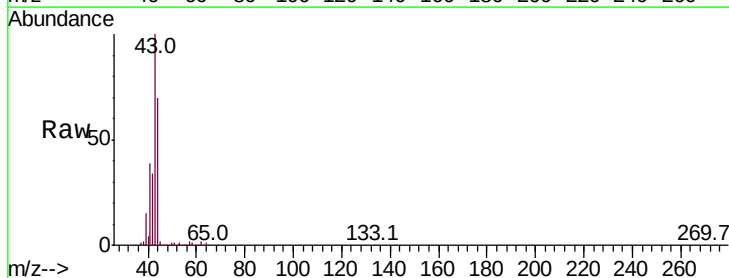
Acq: 17 Dec 2021 00:18

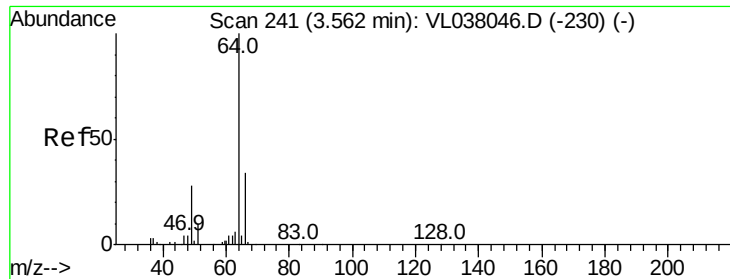
Tgt Ion: 62 Resp: 6635

Ion Ratio Lower Upper

62 100

64 33.0 25.1 37.7





#7

Chloroethane

Concen: 0.107 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

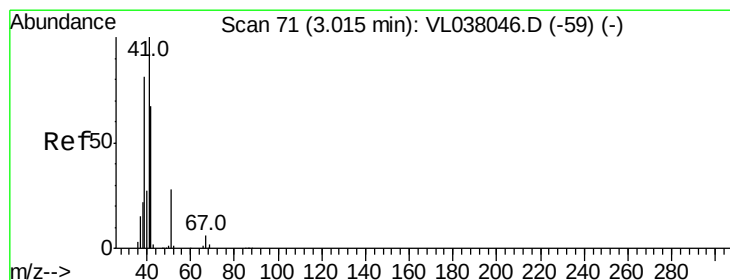
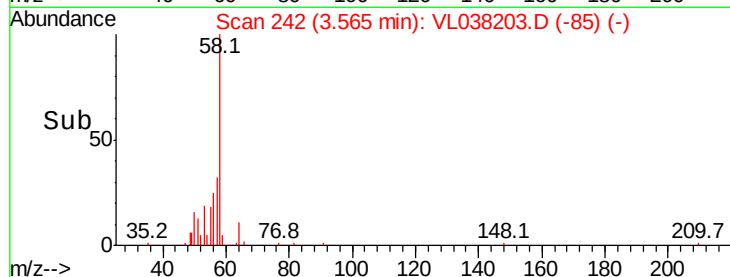
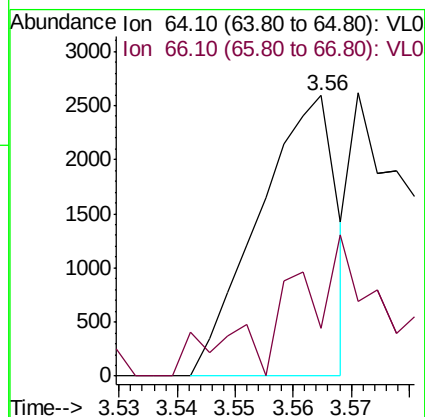
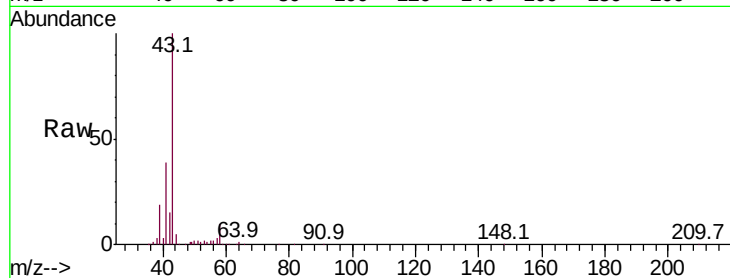
Acq: 17 Dec 2021 00:18

Tot Ion: 64 Resp: 2423

Ion Ratio Lower Upper

64 100

66 16.9 27.2 40.8#



#9

Propene

Concen: 138.617 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL038203.D

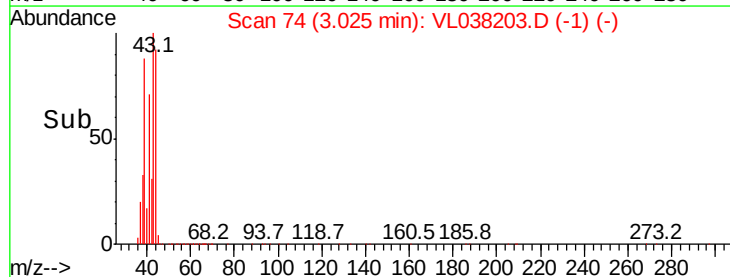
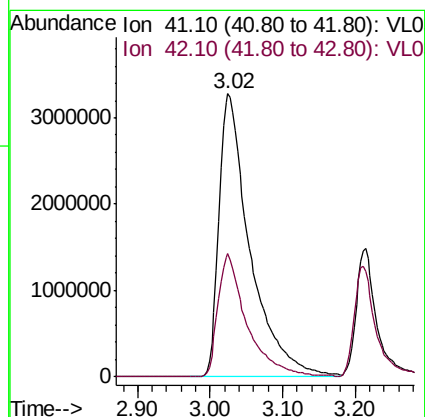
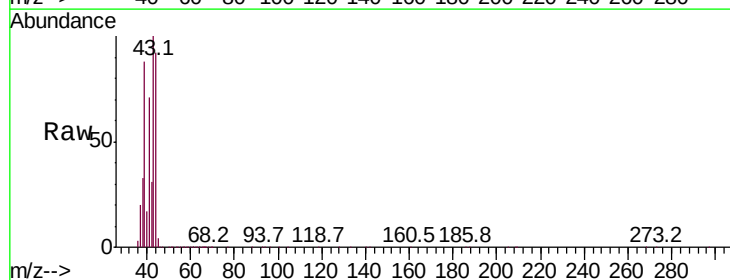
Acq: 17 Dec 2021 00:18

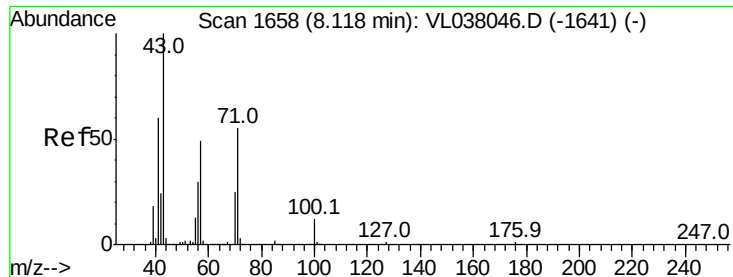
Tgt Ion: 41 Resp: 9741053

Ion Ratio Lower Upper

41 100

42 40.8 53.8 80.8#





#10

Heptane

Concen: 165.343 ppbv

RT: 8.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

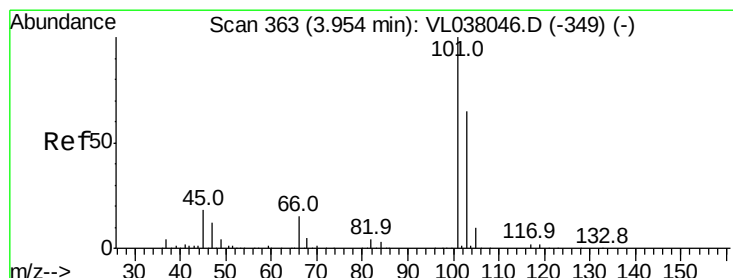
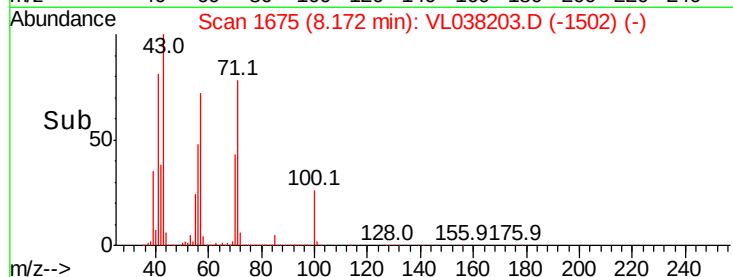
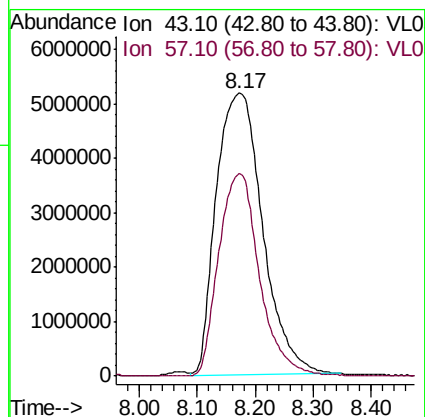
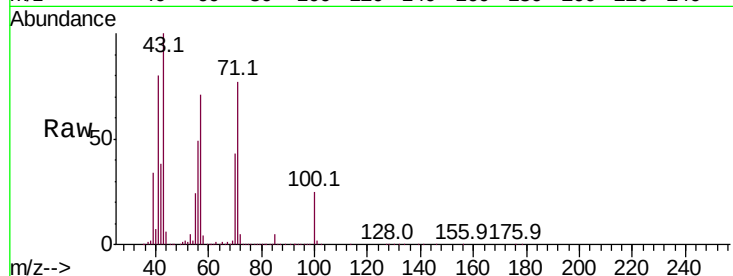
Acq: 17 Dec 2021 00:18

Tot Ion: 43 Resp: 28716820

Ion Ratio Lower Upper

43 100

57 63.4 40.4 60.6#



#11

Trichlorofluoromethane

Concen: 0.430 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL038203.D

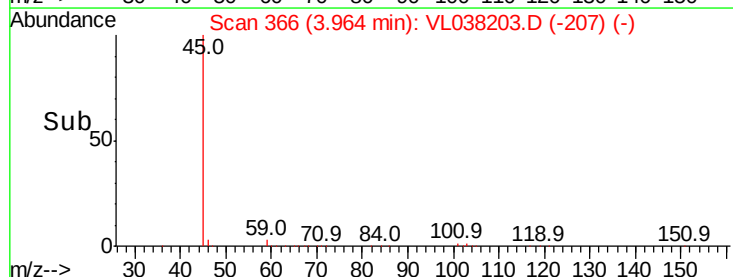
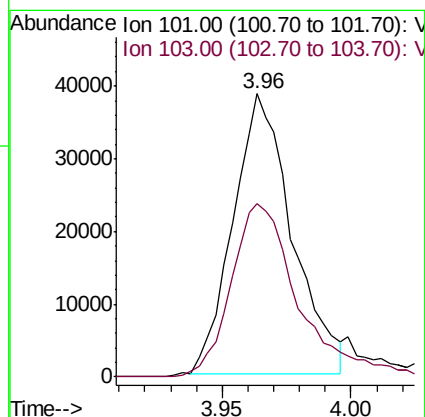
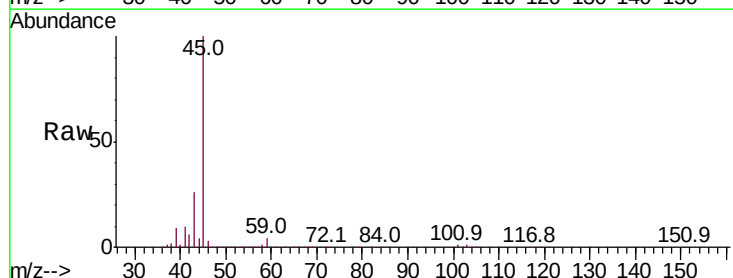
Acq: 17 Dec 2021 00:18

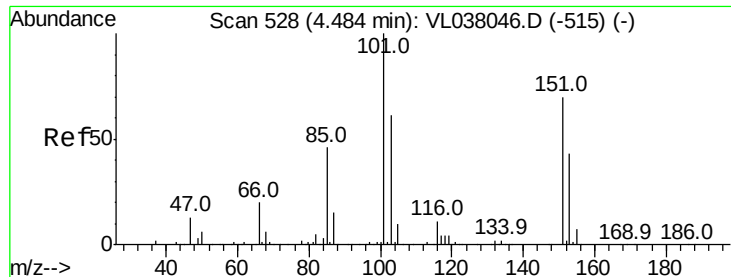
Tgt Ion: 101 Resp: 61421

Ion Ratio Lower Upper

101 100

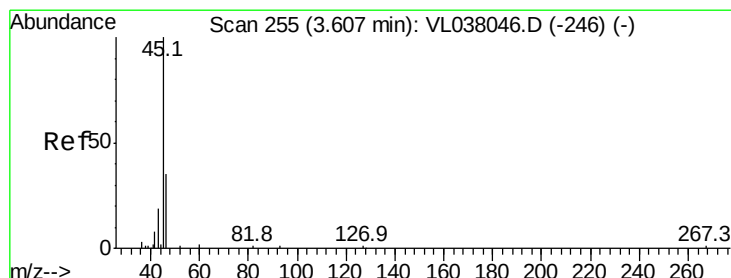
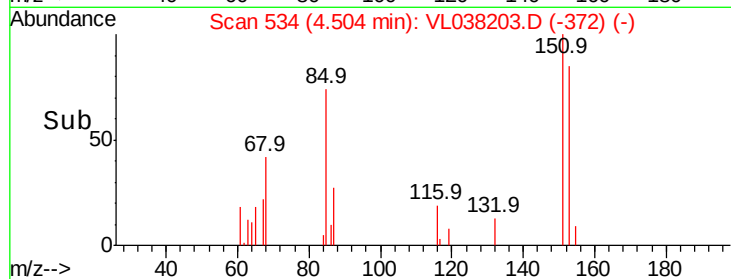
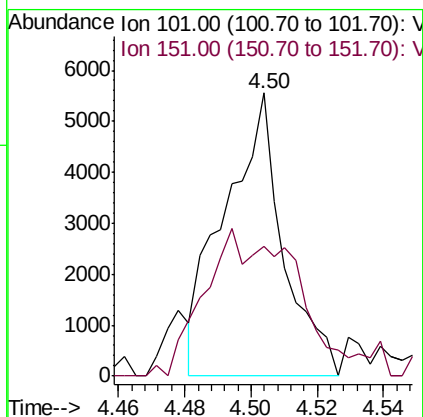
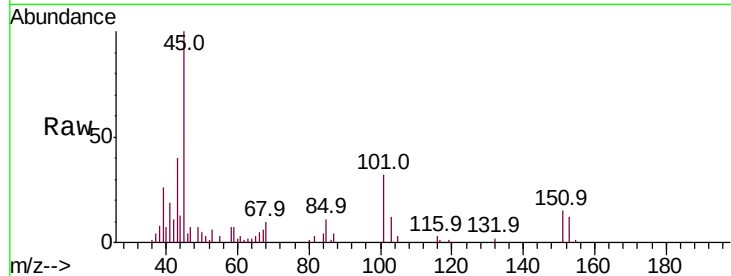
103 60.2 51.8 77.6





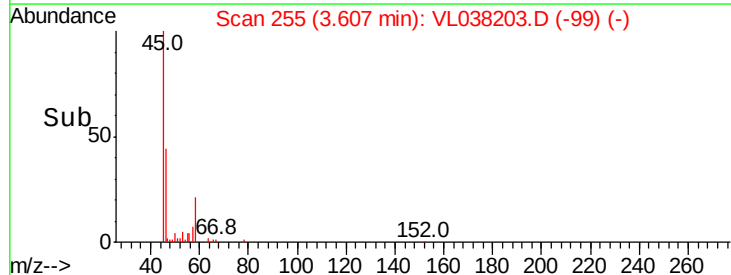
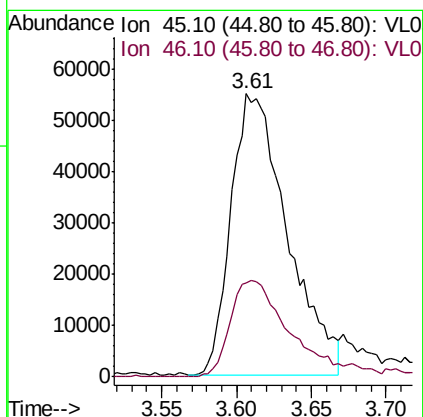
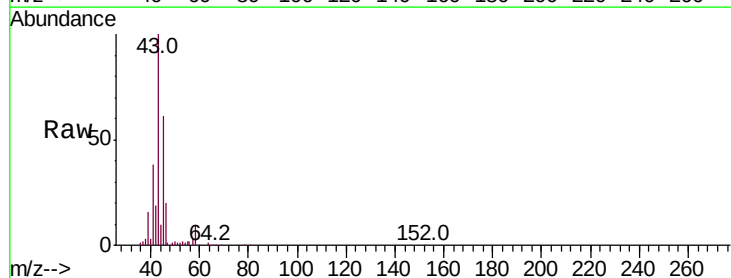
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.068 ppbv
 RT: 4.50
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 00:18

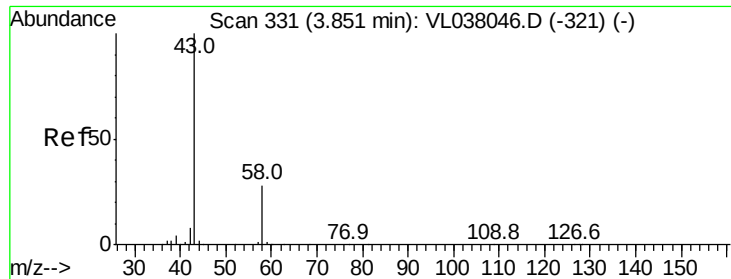
Tot Ion:101 Resp: 6846
 Ion Ratio Lower Upper
 101 100
 151 85.4 59.0 88.4



#13
 Ethanol
 Concen: 21.291 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VL038203.D
 Acq: 17 Dec 2021 00:18

Tgt Ion: 45 Resp: 144586
 Ion Ratio Lower Upper
 45 100
 46 38.3 17.6 70.2





#15

Acetone

Concen: 118.997 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

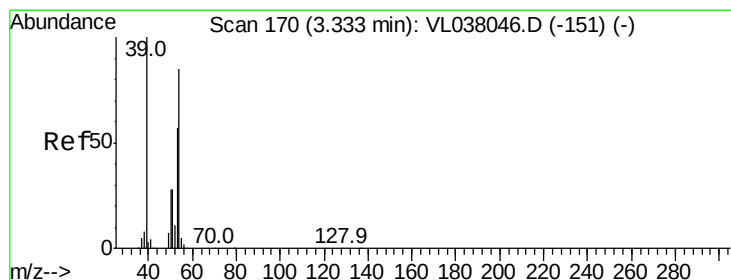
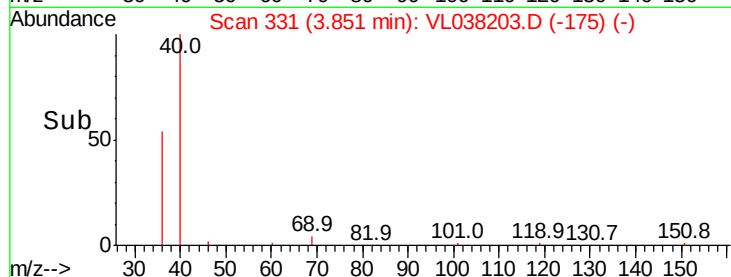
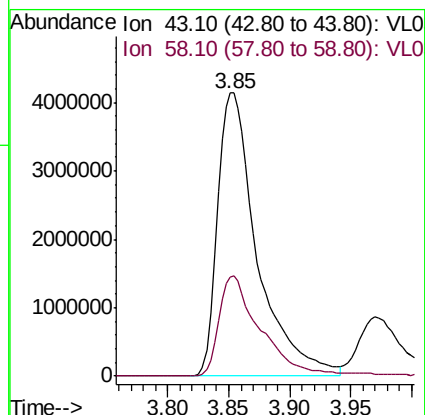
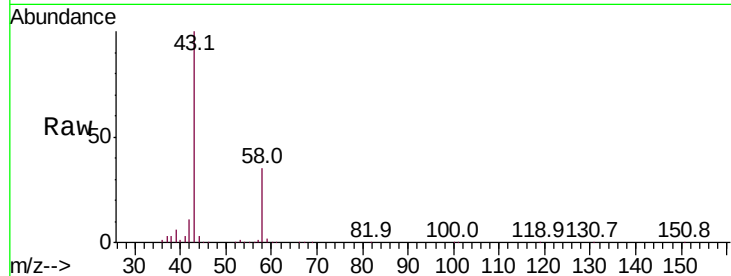
Acq: 17 Dec 2021 00:18

Tot Ion: 43 Resp: 9374324

Ion Ratio Lower Upper

43 100

58 38.2 22.4 33.6#



#16

1,3-Butadiene

Concen: 417.950 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL038203.D

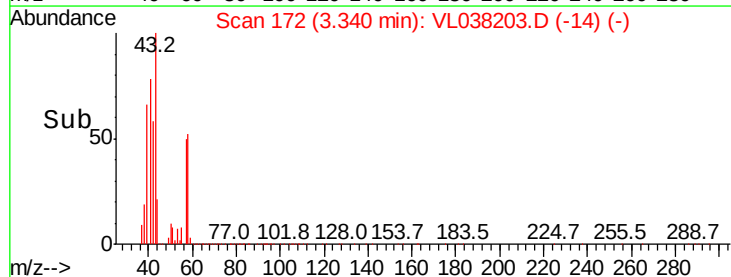
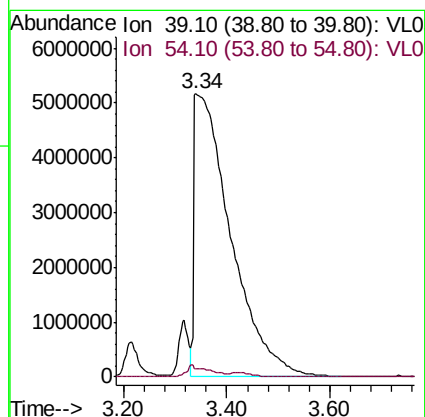
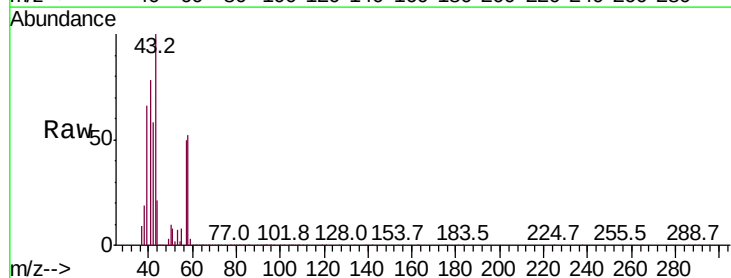
Acq: 17 Dec 2021 00:18

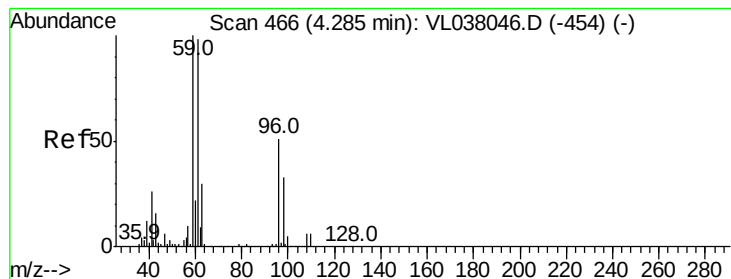
Tgt Ion: 39 Resp: 25686665

Ion Ratio Lower Upper

39 100

54 2.5 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 1.473 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

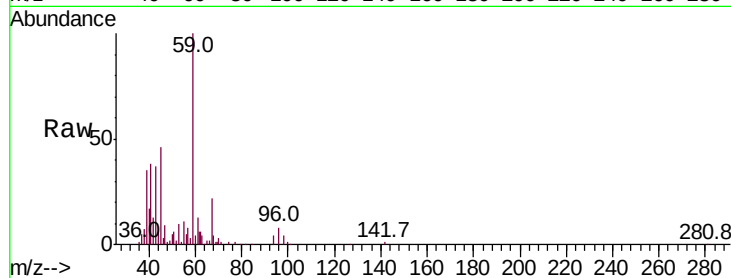
Acq: 17 Dec 2021 00:18

Tot Ion: 59 Resp: 140802

Ion Ratio Lower Upper

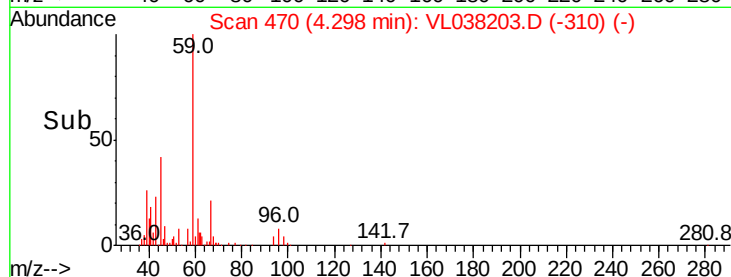
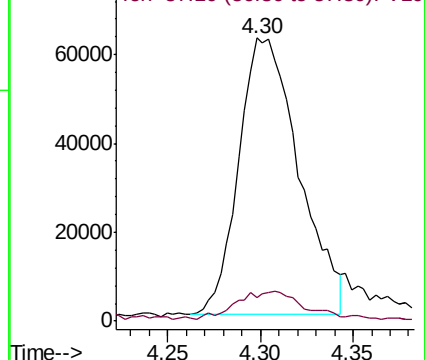
59 100

57 12.4 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.213 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

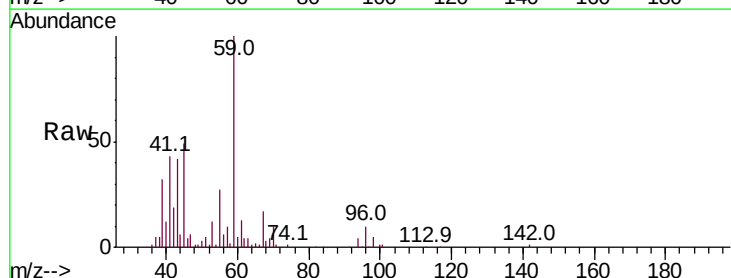
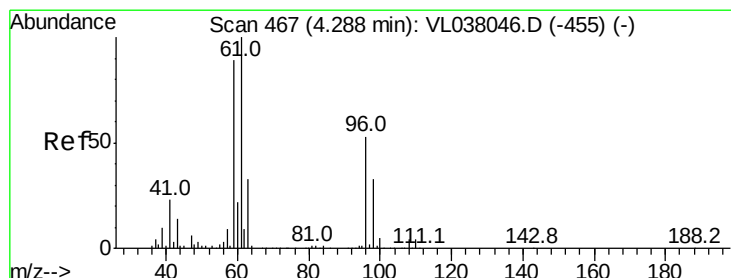
Tgt Ion: 96 Resp: 9881

Ion Ratio Lower Upper

96 100

61 104.5 149.8 224.8#

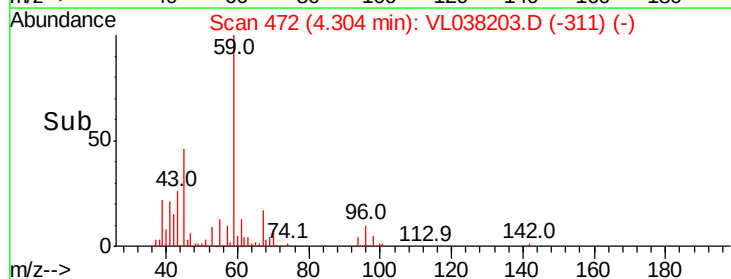
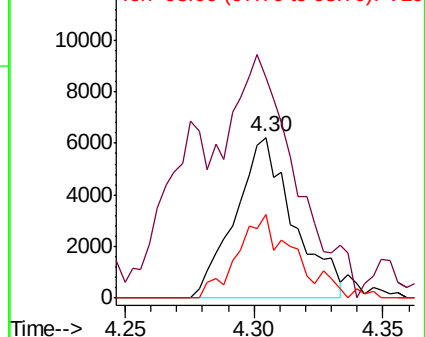
98 51.8 50.2 75.2

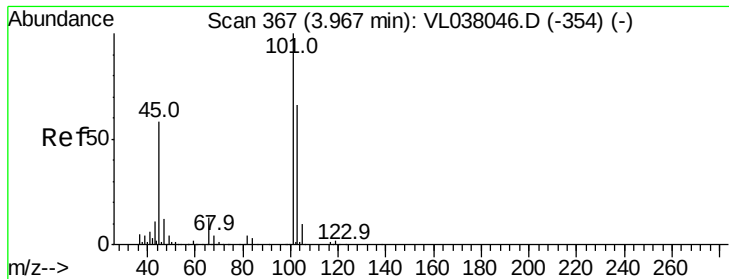


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 159.105 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

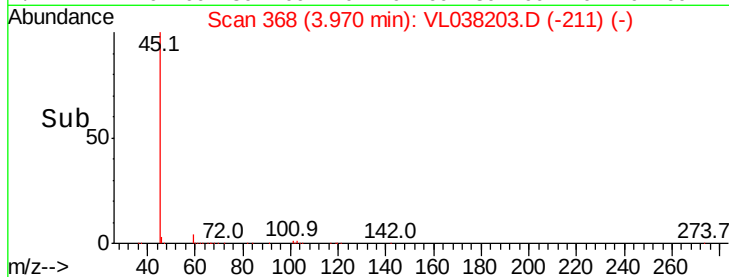
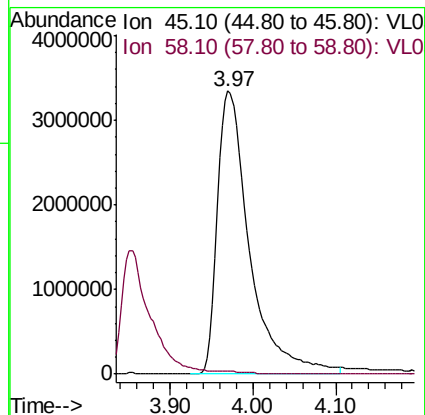
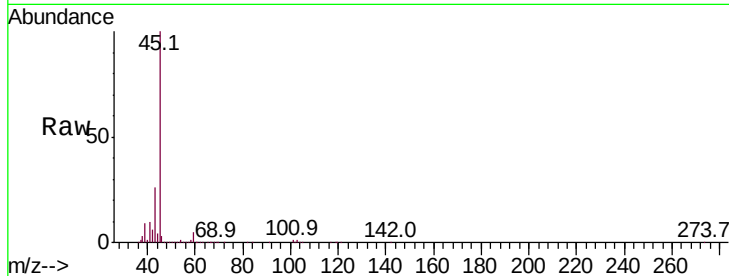
Acq: 17 Dec 2021 00:18

Tot Ion: 45 Resp: 9056291

Ion Ratio Lower Upper

45 100

58 39.5 1.4 2.0#



#20

Methylene Chloride

Concen: 6.060 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

Tgt Ion: 84 Resp: 267391

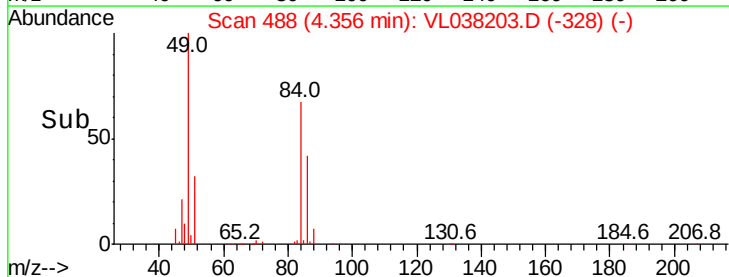
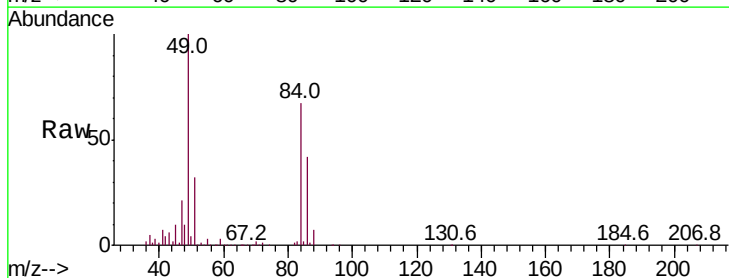
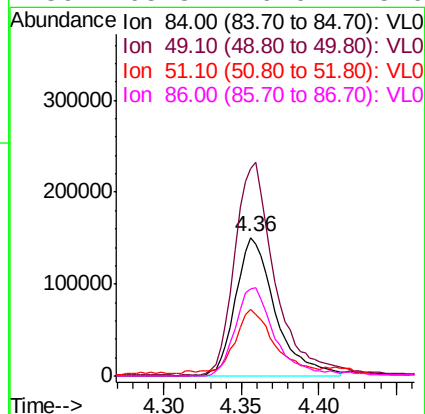
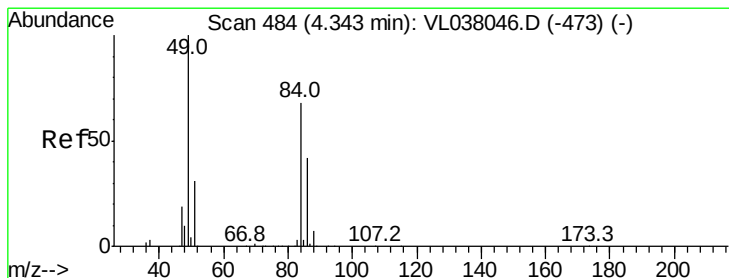
Ion Ratio Lower Upper

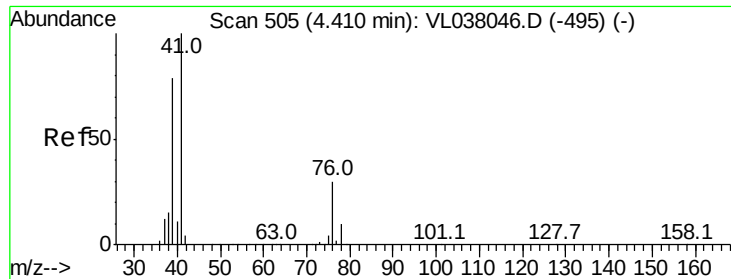
84 100

49 149.0 118.2 177.2

51 44.3 36.8 55.2

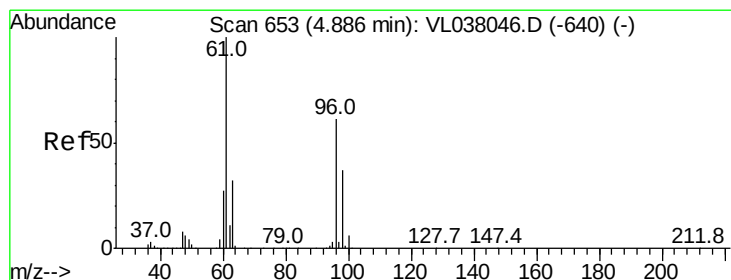
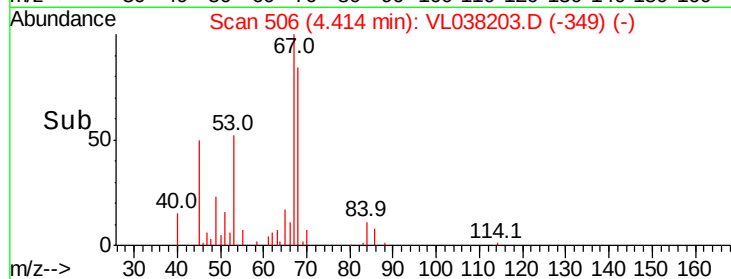
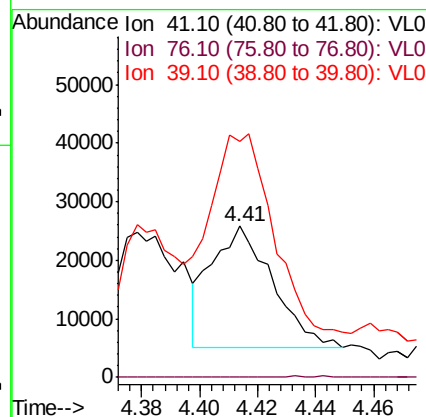
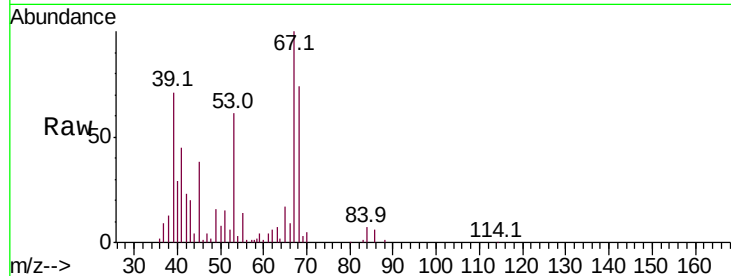
86 63.3 49.0 73.6





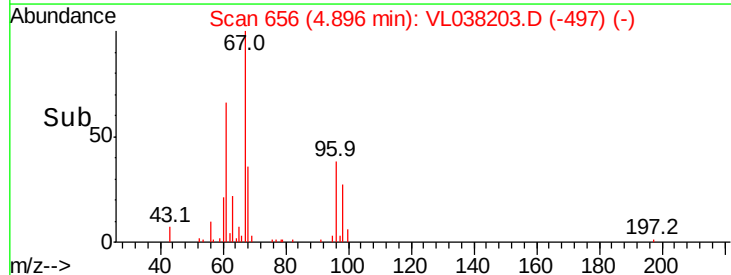
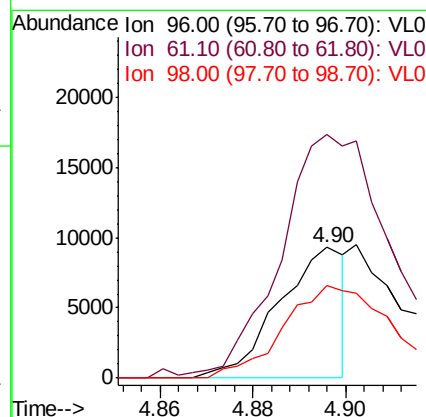
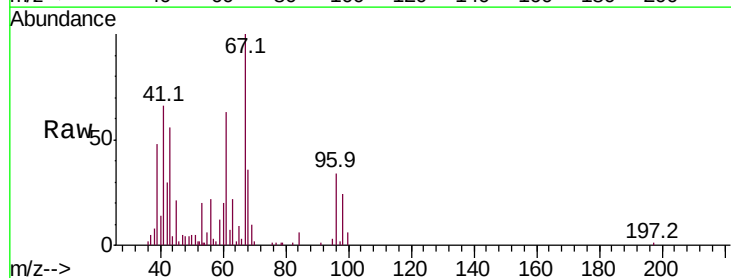
#21
 Allvl Chloride
 Concen: 0.416 ppbv
 RT: 4.41 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 00:18

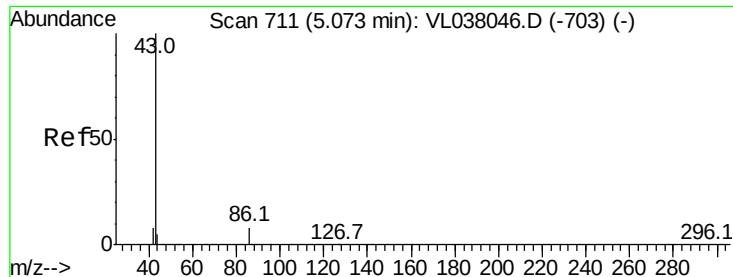
Tot Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	36.8#
39	377.7	63.4	95.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.196 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T.: 0.01 min
 Lab File: VL038203.D
 Acq: 17 Dec 2021 00:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.4	131.6	197.4
98	70.4	48.4	72.6





#23

Vinyl Acetate

Concen: 0.908 ppbv

RT: 5.07 Instrument:

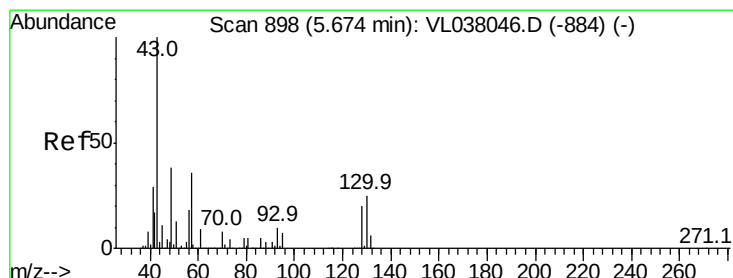
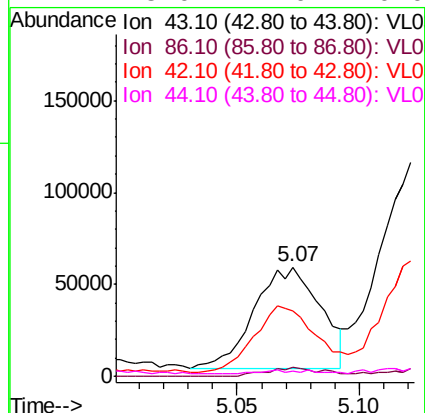
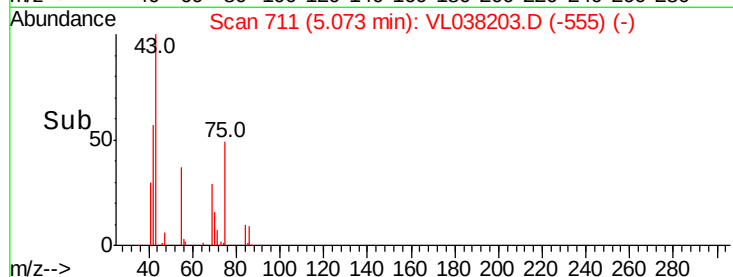
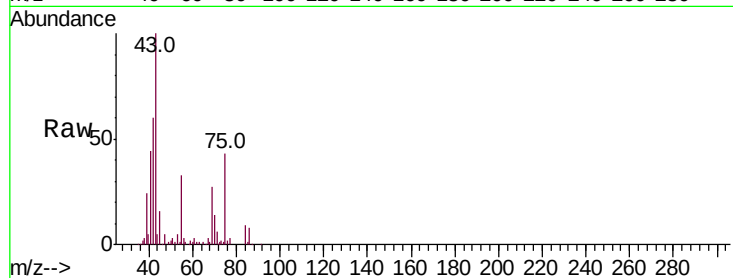
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 Dec 2021 00:18

Tot Ion: 43 Resp: 103565

Ion	Ratio	Lower	Upper
43	100		
86	8.5	5.3	7.9#
42	60.1	7.0	10.6#
44	3.0	4.0	6.0#



#25

Ethyl Acetate

Concen: 2.358 ppbv

RT: 5.70 min Scan# 905

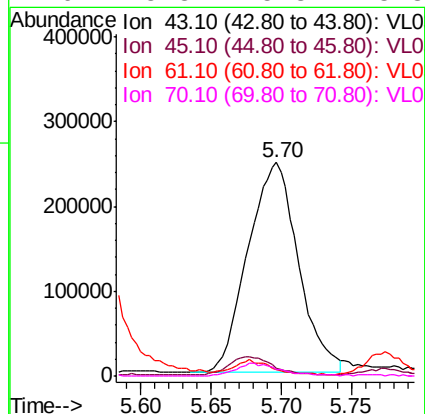
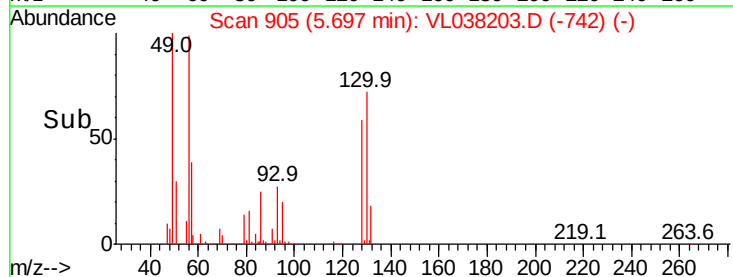
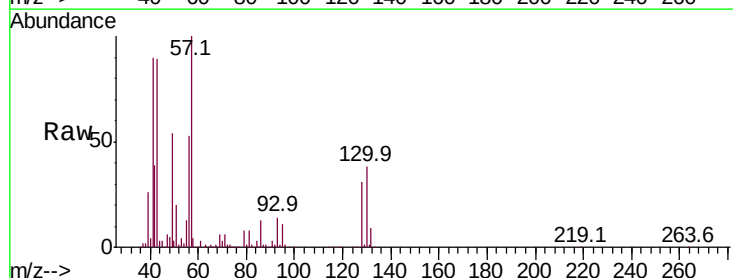
Delta R.T. 0.02 min

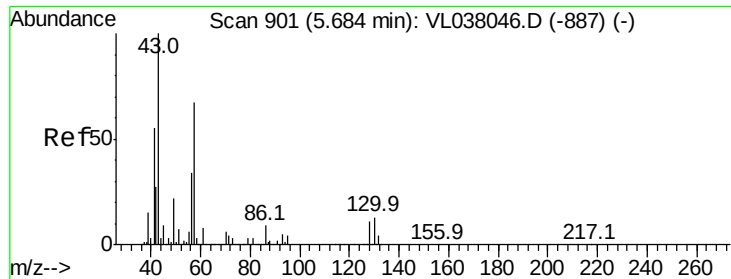
Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

Tgt Ion: 43 Resp: 617484

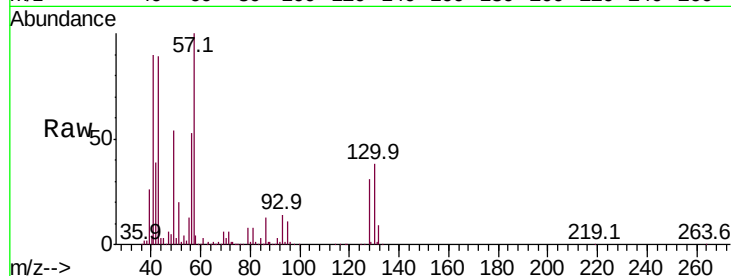
Ion	Ratio	Lower	Upper
43	100		
45	7.9	7.9	11.9#
61	6.7	7.8	11.6#
70	5.3	5.8	8.8#



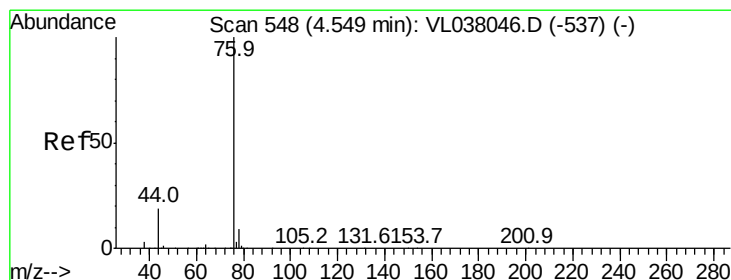
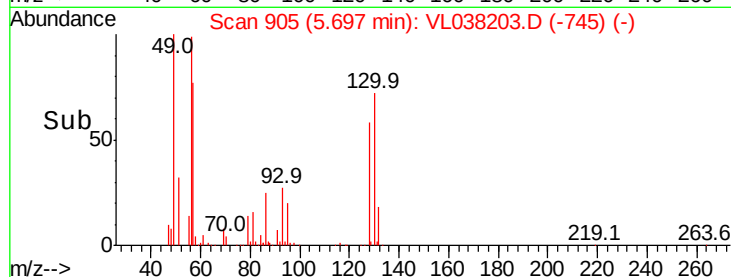
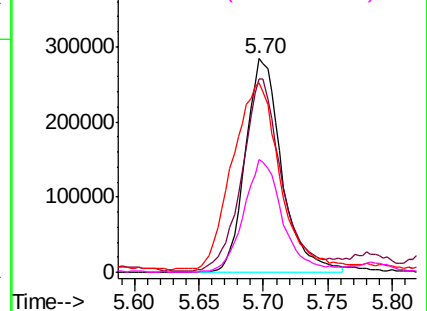


#26
Hexane
Concen: 4.407 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 00:18

Tot Ion:	57	Resp:	556169
Ion	Ratio	Lower	Upper
57	100		
41	99.6	71.4	107.2
43	121.3	174.6	261.8#
56	56.8	43.2	64.8

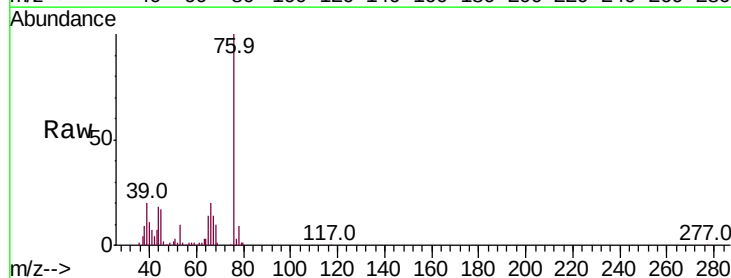


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

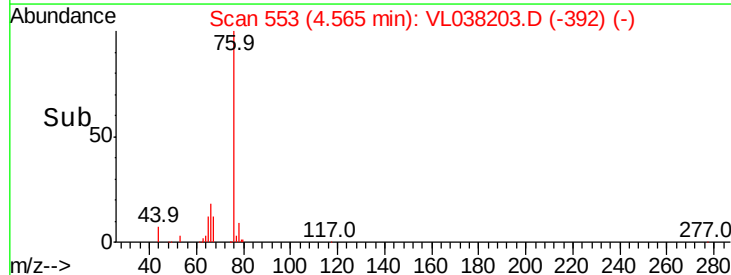
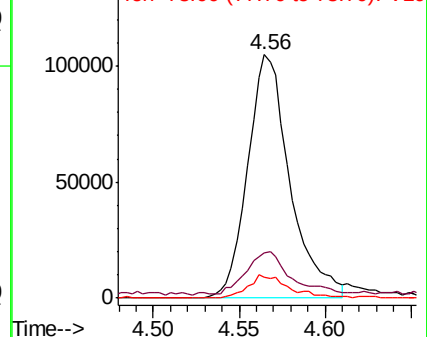


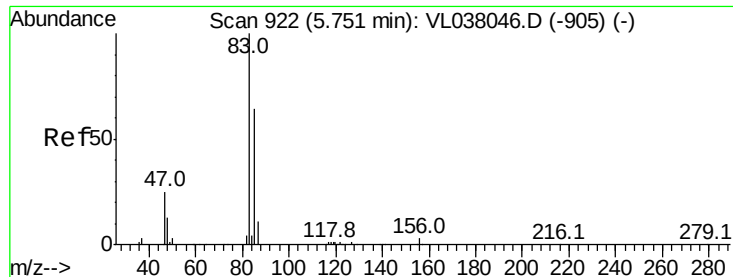
#27
Carbon Disulfide
Concen: 1.584 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.02 min
Lab File: VL038203.D
Acq: 17 Dec 2021 00:18

Tgt Ion:	76	Resp:	179084
Ion	Ratio	Lower	Upper
76	100		
44	19.2	14.9	22.3
78	10.1	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: 0.552 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

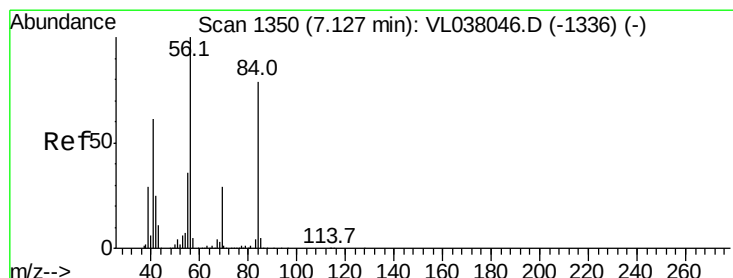
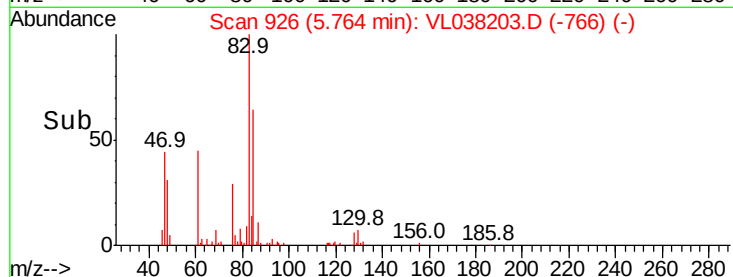
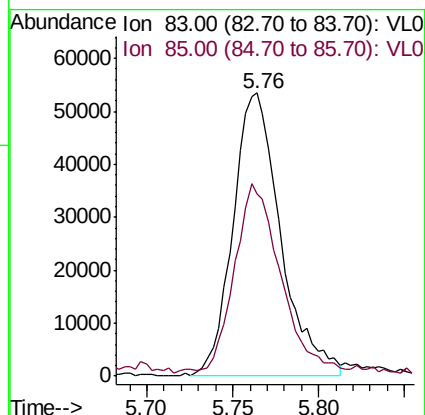
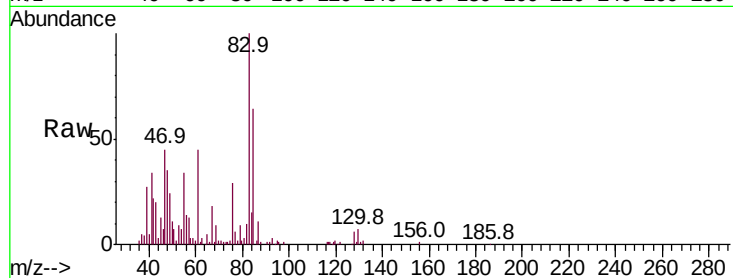
Acq: 17 Dec 2021 00:18

Tot Ion: 83 Resp: 102584

Ion Ratio Lower Upper

83 100

85 62.2 51.0 76.6



#30

Cyclohexane

Concen: 4.973 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.02 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

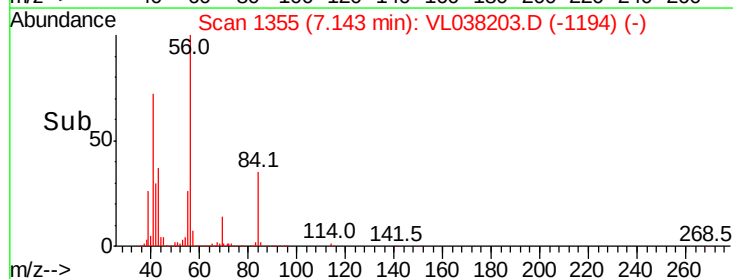
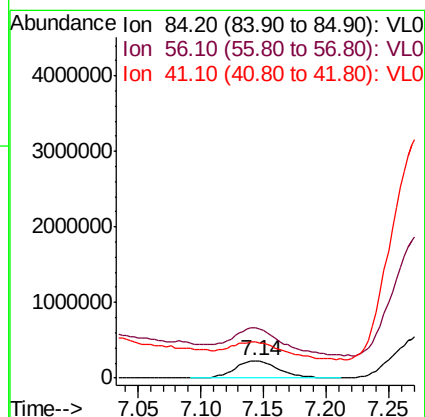
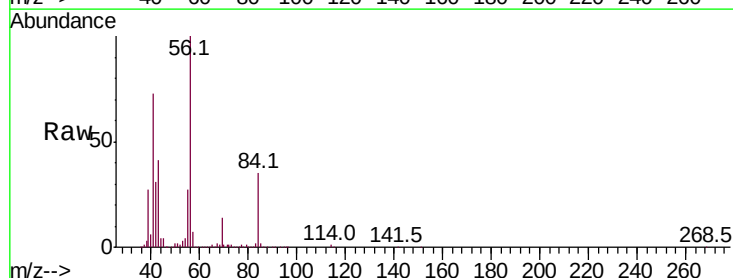
Tgt Ion: 84 Resp: 569784

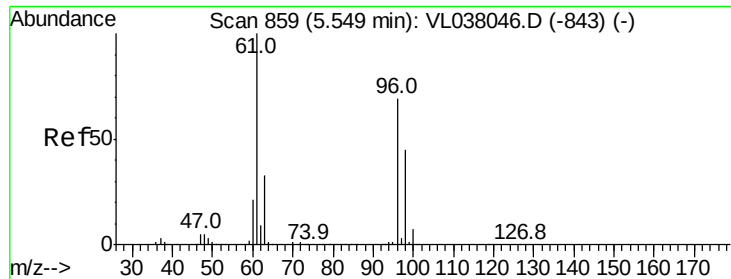
Ion Ratio Lower Upper

84 100

56 484.5 108.1 162.1#

41 296.0 64.4 96.6#





#31

cis-1,2-Dichloroethene

Concen: 7.199 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 00:18

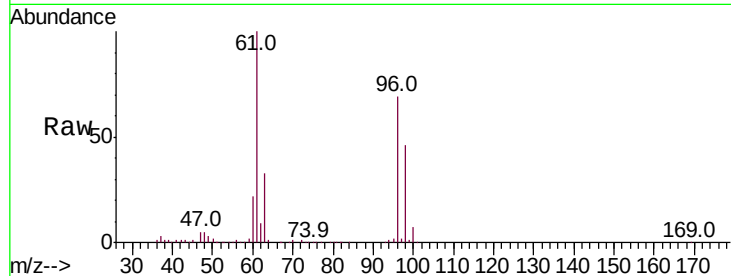
Tot Ion: 61 Resp: 864182

Ion Ratio Lower Upper

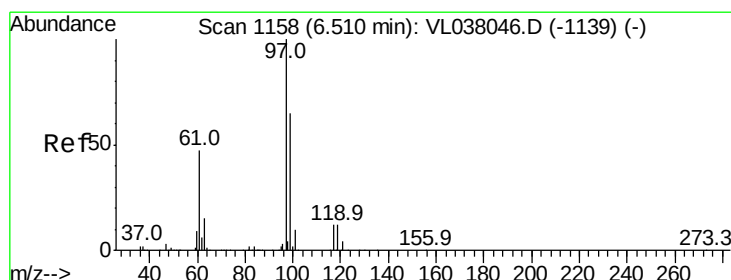
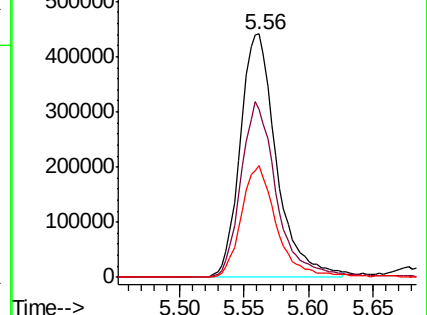
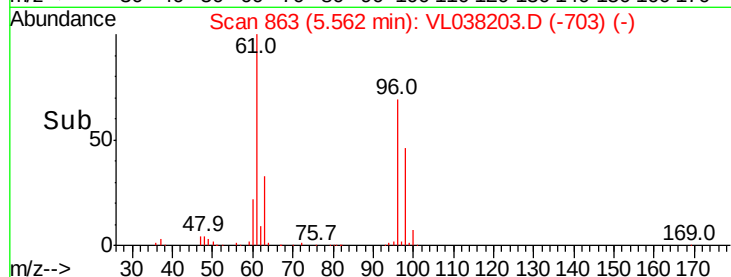
61 100

96 68.9 55.4 83.2

98 45.9 35.7 53.5



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.211 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

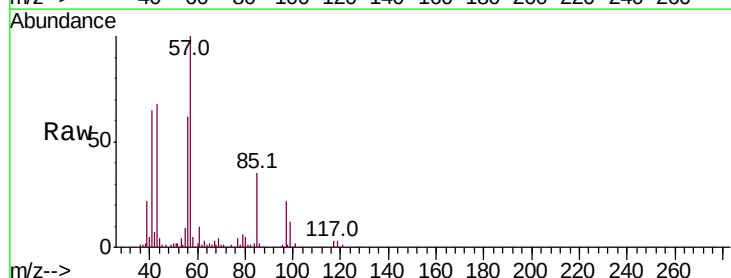
Tgt Ion: 97 Resp: 39873

Ion Ratio Lower Upper

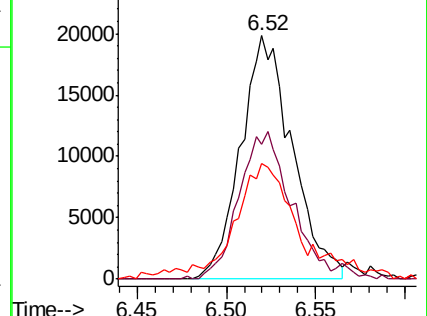
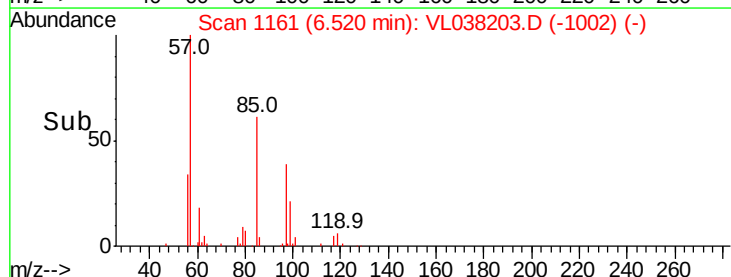
97 100

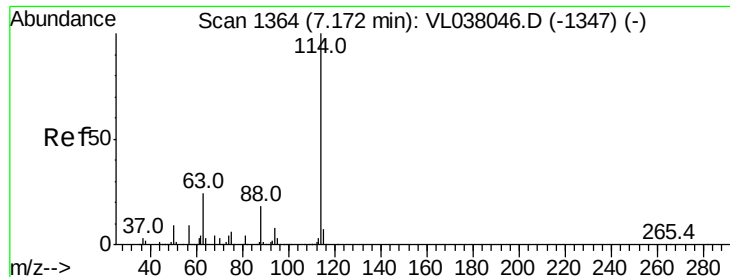
99 62.8 52.2 78.4

61 61.1 37.7 56.5#



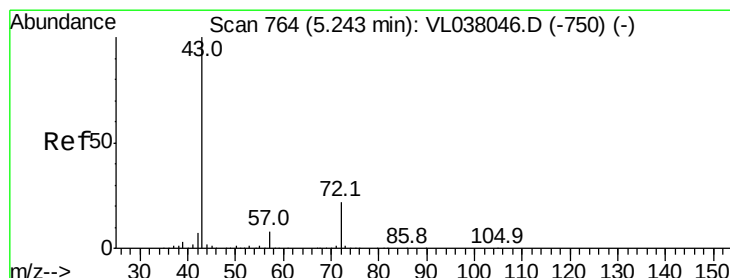
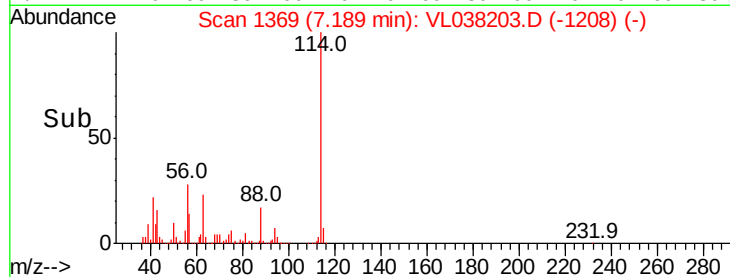
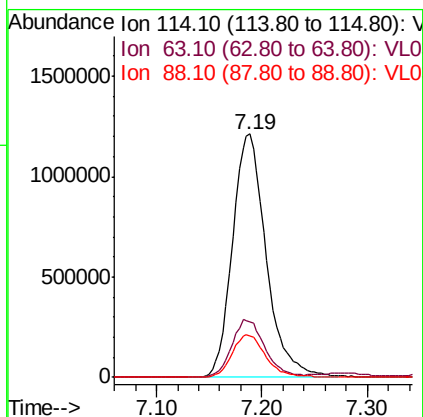
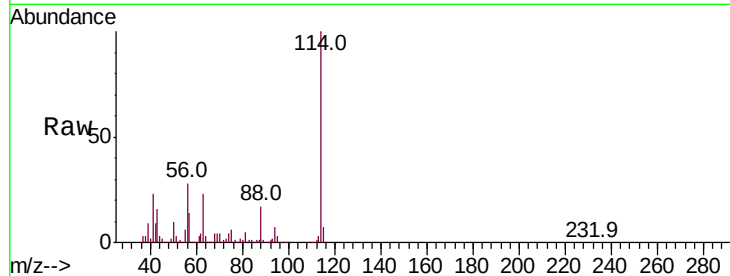
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





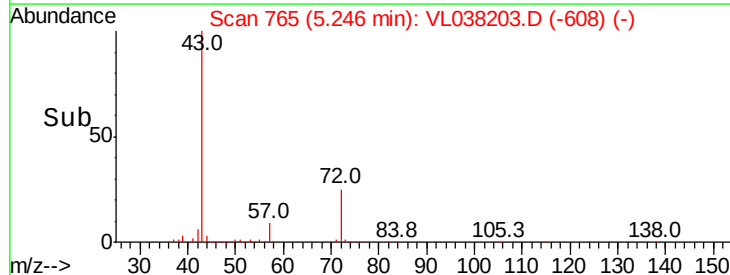
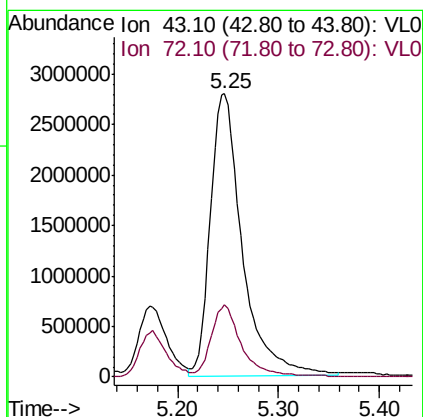
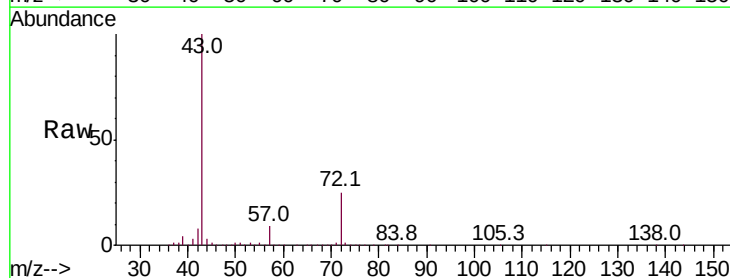
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 00:18

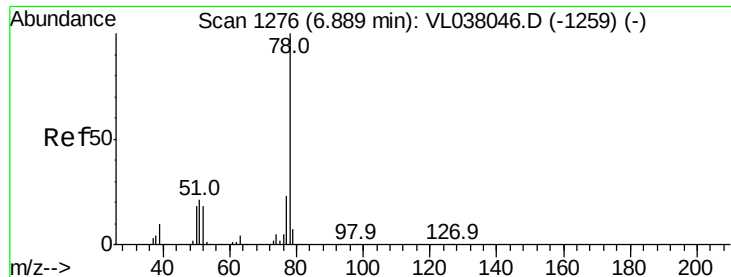
Tot Ion:114 Resp: 2681465
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.7 29.5
 88 17.6 14.4 21.6



#34
 2-Butanone
 Concen: 57.024 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL038203.D
 Acq: 17 Dec 2021 00:18

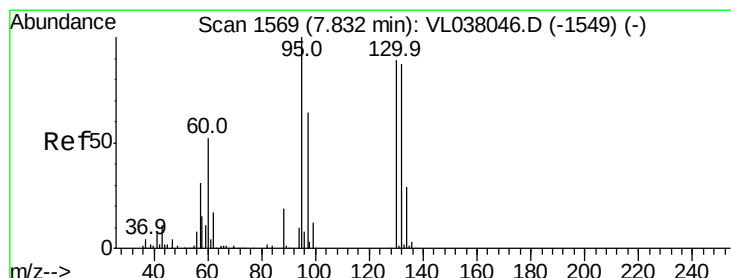
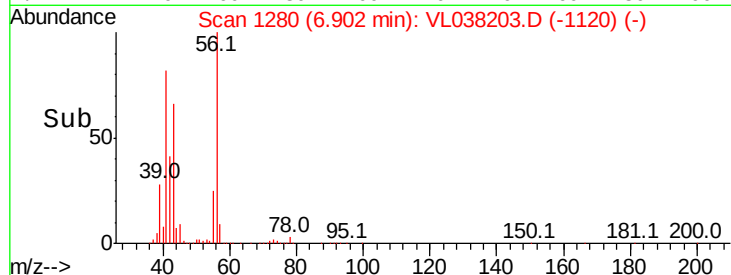
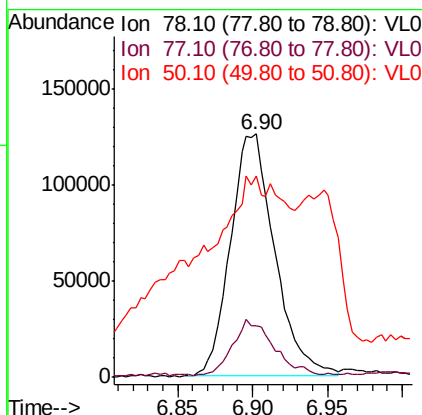
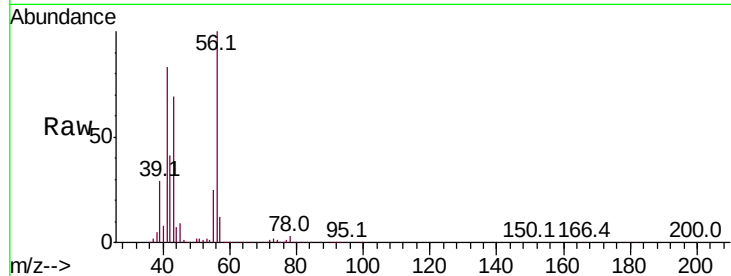
Tgt Ion: 43 Resp: 6165570
 Ion Ratio Lower Upper
 43 100
 72 24.4 18.8 28.2





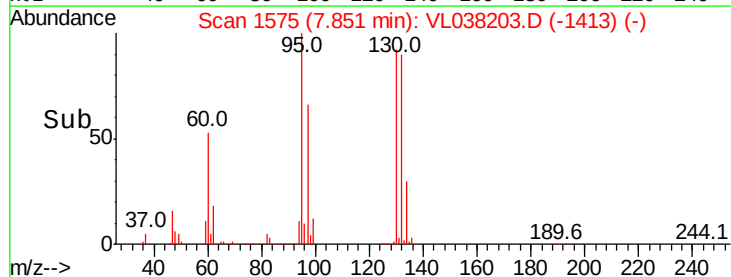
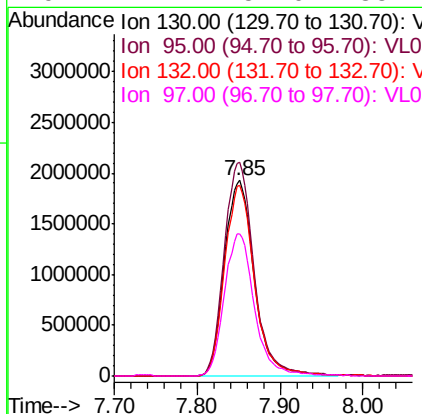
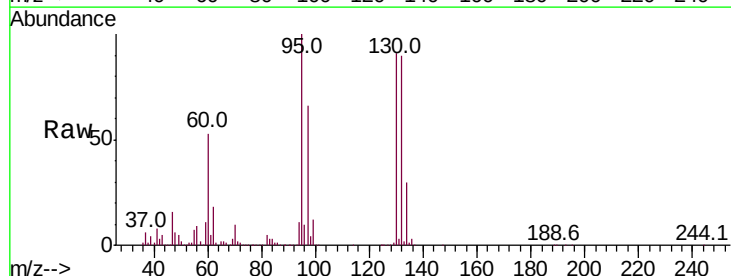
#36
Benzene
Concen: 0.973 ppbv
RT: 6.90
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 00:18

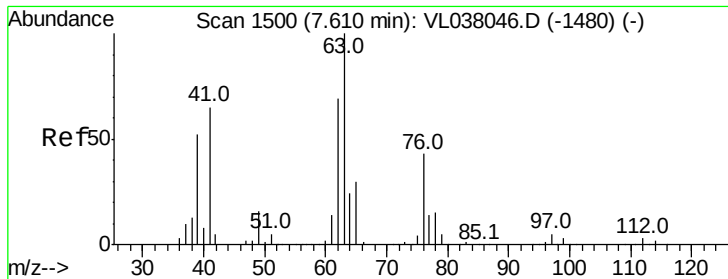
Tot Ion: 78 Resp: 260150
Ion Ratio Lower Upper
78 100
77 20.0 18.2 27.4
50 37.2 14.7 22.1#



#38
Trichloroethene
Concen: 48.170 ppbv
RT: 7.85 min Scan# 1575
Delta R.T.: 0.02 min
Lab File: VL038203.D
Acq: 17 Dec 2021 00:18

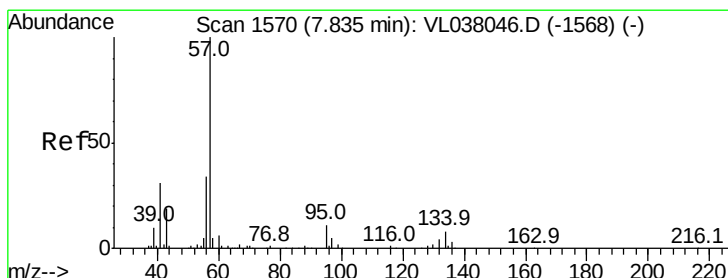
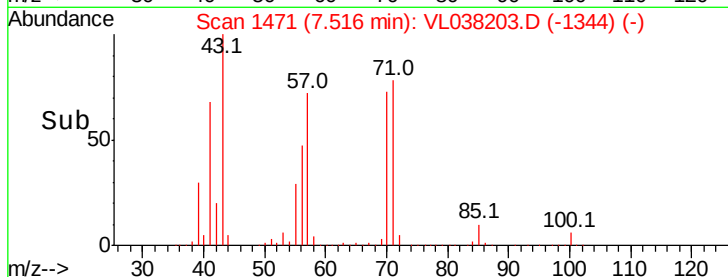
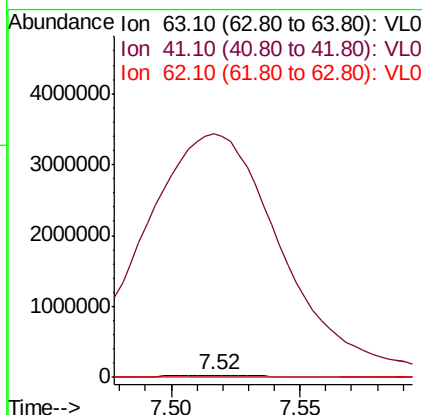
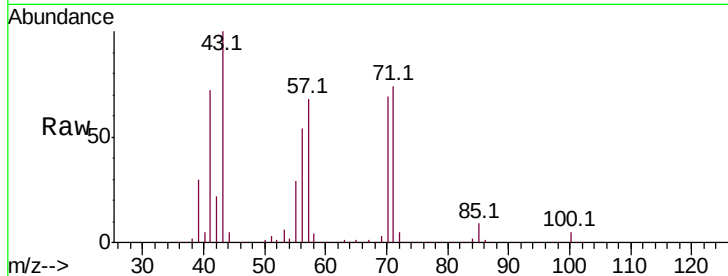
Tgt Ion:130 Resp: 4860158
Ion Ratio Lower Upper
130 100
95 109.3 89.4 134.2
132 97.8 78.2 117.2
97 72.4 57.0 85.4





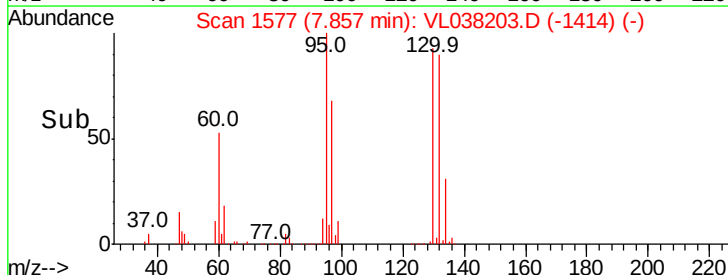
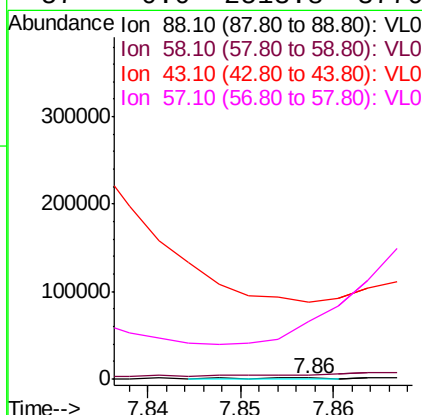
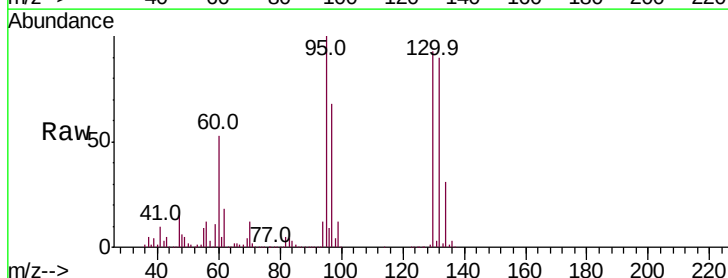
#39
 1,2-Dichloropropane
 Concen: 0.419 ppbv
 RT: 7.52
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 00:18

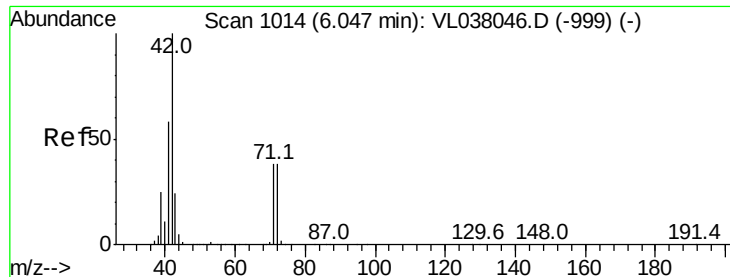
Tot Ion: 63 Resp: 43015
 Ion Ratio Lower Upper
 63 100
 41 11904.9 52.3 78.5#
 62 46.8 55.1 82.7#



#40
 1,4-Dioxane
 Concen: 0.032 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL038203.D
 Acq: 17 Dec 2021 00:18

Tgt Ion: 88 Resp: 852
 Ion Ratio Lower Upper
 88 100
 58 0.0 229.2 343.8#
 43 0.0 553.3 829.9#
 57 0.0 2513.8 3770.8#





#41

Tetrahydrofuran

Concen: 31.269 ppbv

RT: 6.02 Instrument:

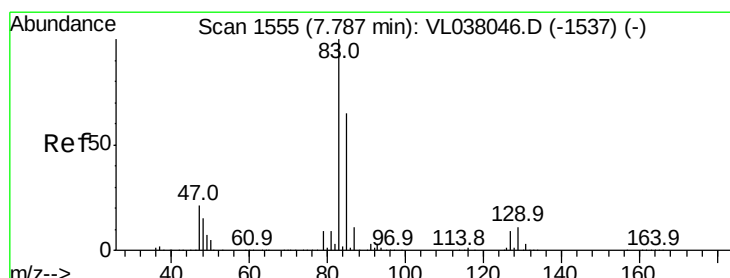
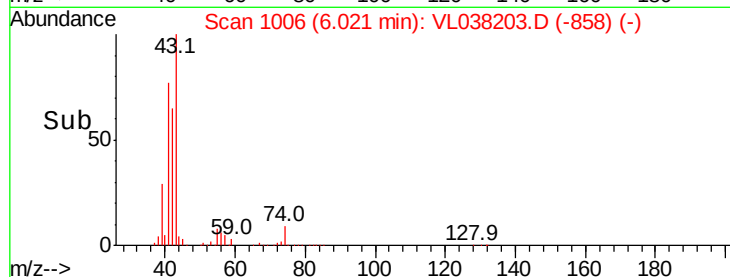
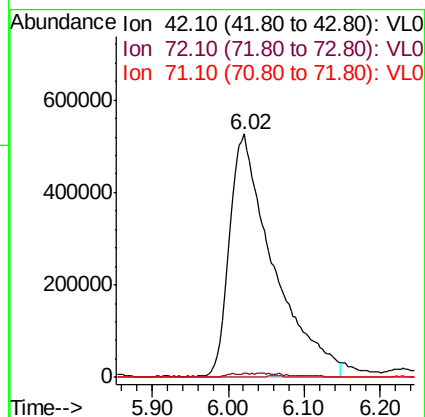
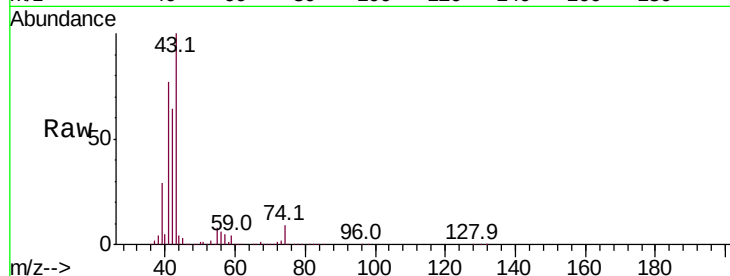
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 Dec 2021 00:18

Tot Ion: 42 Resp: 2098787

Ion	Ratio	Lower	Upper
42	100		
72	2.5	31.7	47.5#
71	0.5	30.6	46.0#



#42

Bromodichloromethane

Concen: 2.677 ppbv

RT: 7.82 min Scan# 1564

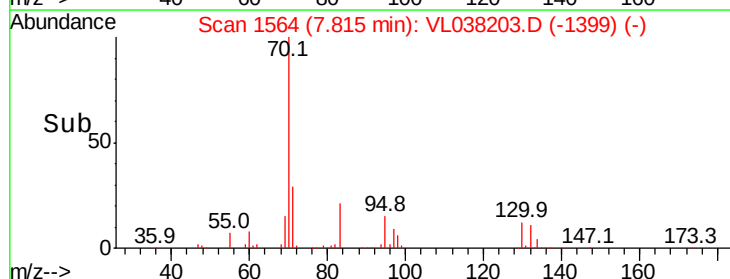
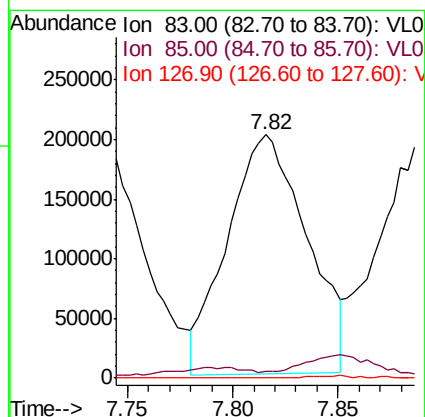
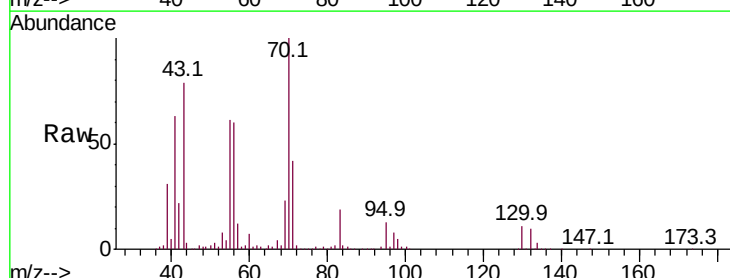
Delta R.T. 0.03 min

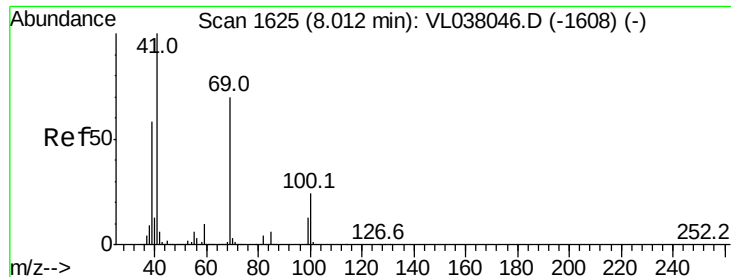
Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

Tgt Ion: 83 Resp: 525715

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.9	77.9#
127	0.0	6.8	10.2#





#43

Methyl Methacrylate

Concen: 0.439 ppbv

RT: 8.02

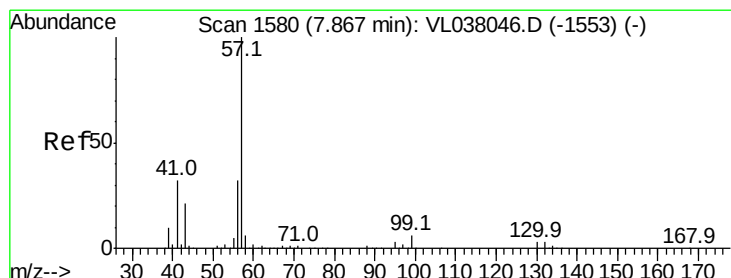
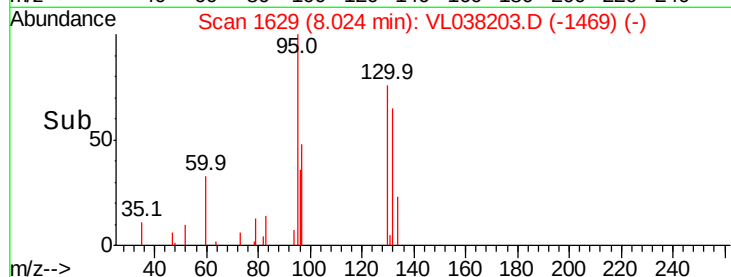
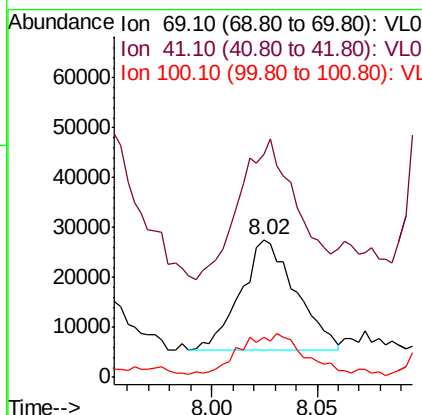
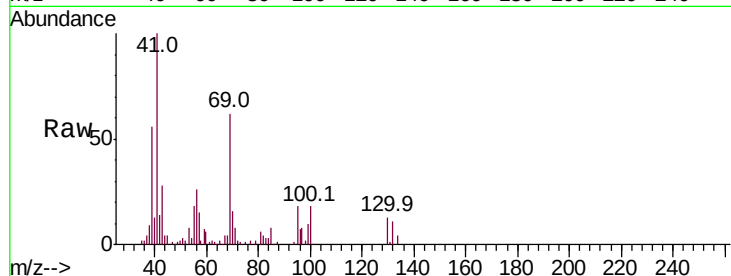
Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 17 Dec 2021 00:18

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.7	175.1#
100	0.0	27.3	40.9#



#44

2,2,4-Trimethylpentane

Concen: 2.492 ppbv

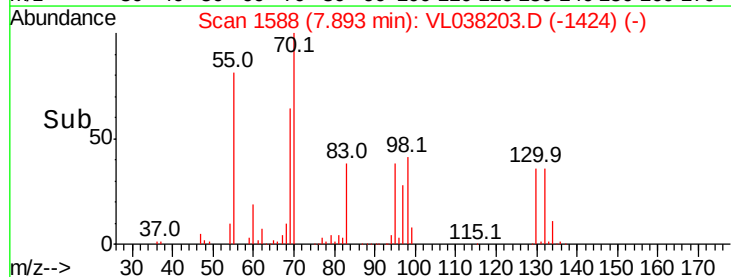
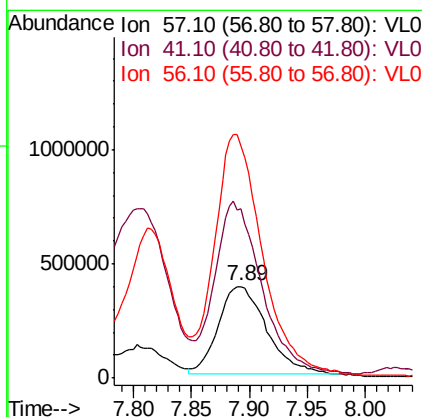
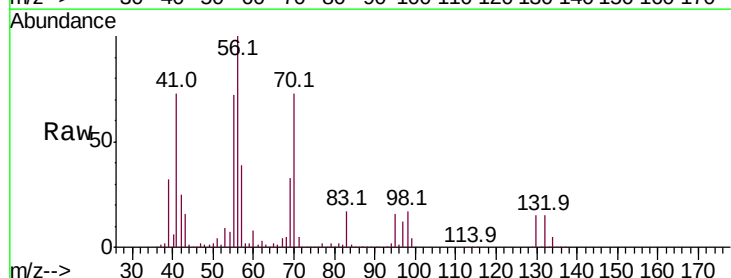
RT: 7.89 min Scan# 1588

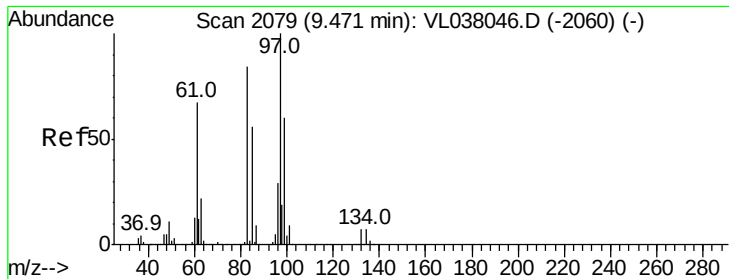
Delta R.T. 0.03 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	194.4	25.8	38.6#
56	276.8	25.6	38.4#





#47

1,1,2-Trichloroethane

Concen: 0.348 ppbv

RT: 9.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 00:18

Tot Ion: 97 Resp: 37424

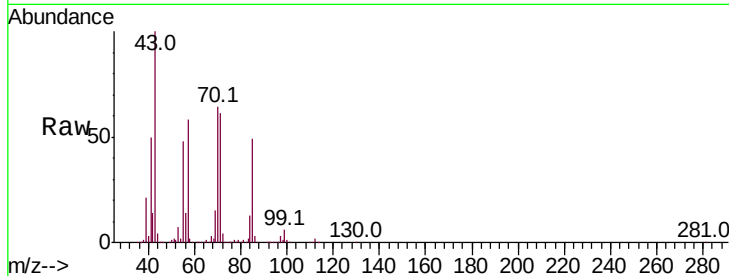
Ion Ratio Lower Upper

97 100

83 56.2 66.8 100.2#

85 1233.0 44.9 67.3#

99 126.3 48.0 72.0#

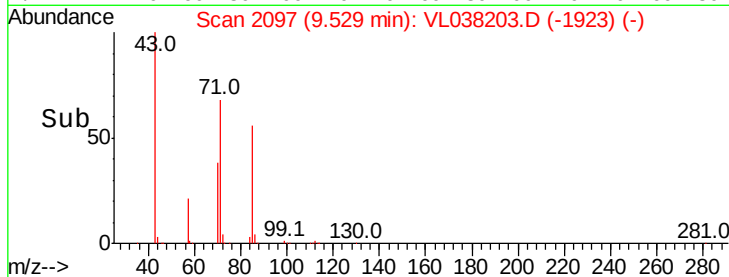
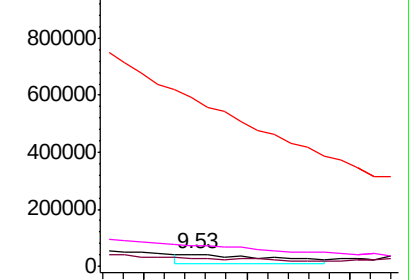


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#50

4-Methyl-2-Pentanone

Concen: 33.871 ppbv

RT: 8.86 min Scan# 1890

Delta R.T. 0.13 min

Lab File: VL038203.D

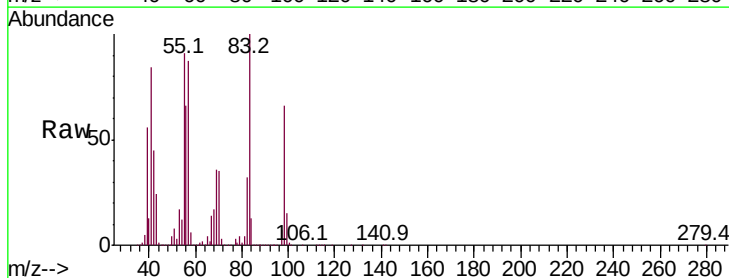
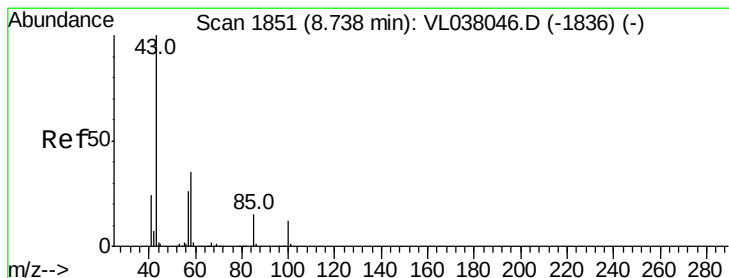
Acq: 17 Dec 2021 00:18

Tgt Ion: 43 Resp: 5561707

Ion Ratio Lower Upper

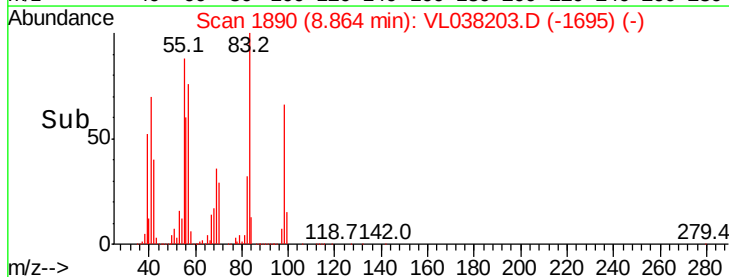
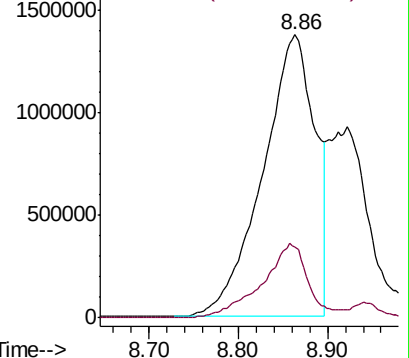
43 100

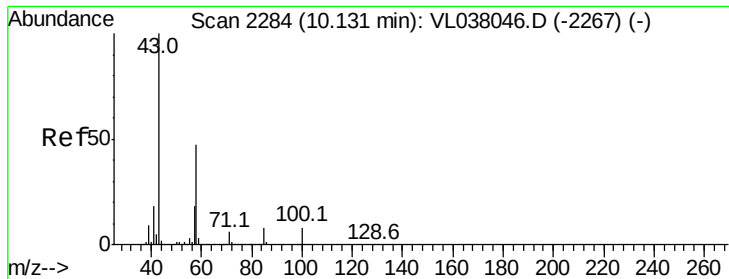
58 23.7 29.4 44.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 133.067 ppbv

RT: 10.22

Delta R.T. MSVOA_L

Lab File:

Acq: 17 Dec 2021 00:18

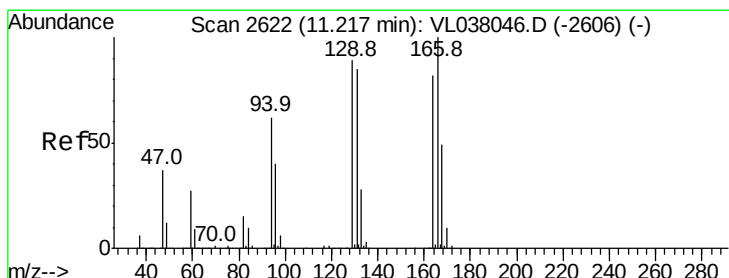
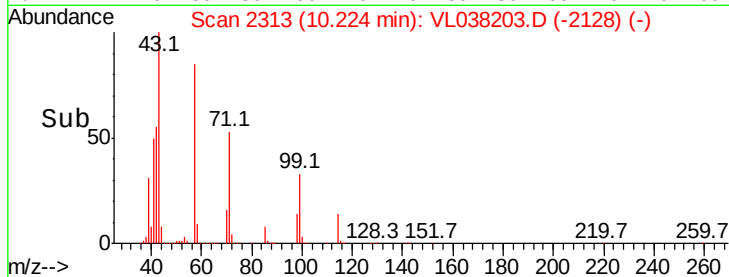
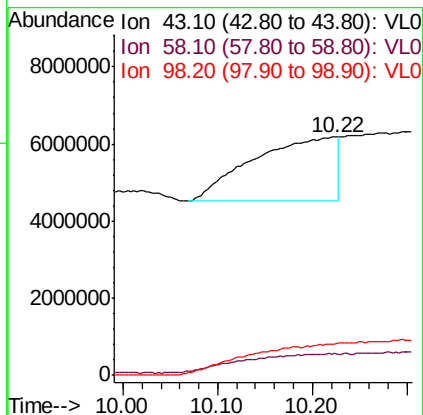
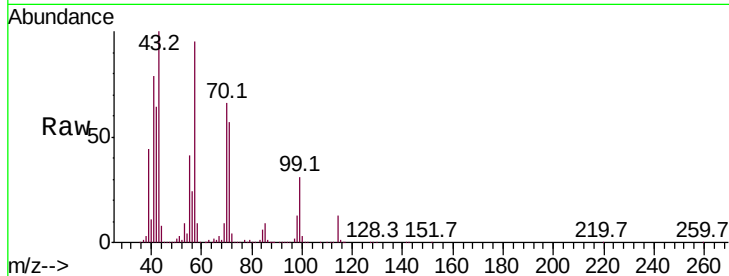
Tot Ion: 43 Resp:10279925

Ion Ratio Lower Upper

43 100

58 0.0 41.1 61.7#

98 0.0 0.1 0.1#



#52

Tetrachloroethene

Concen: 189.857 ppbv

RT: 11.43 min Scan# 2687

Delta R.T. 0.21 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

Tgt Ion:164 Resp:18790483

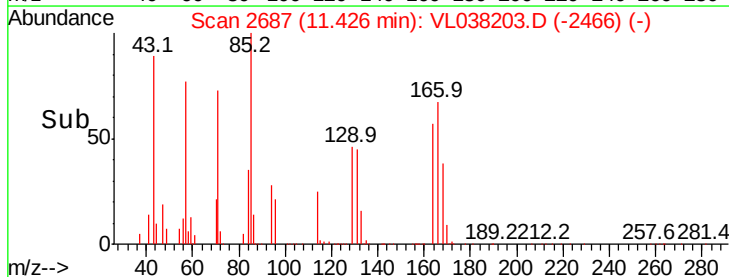
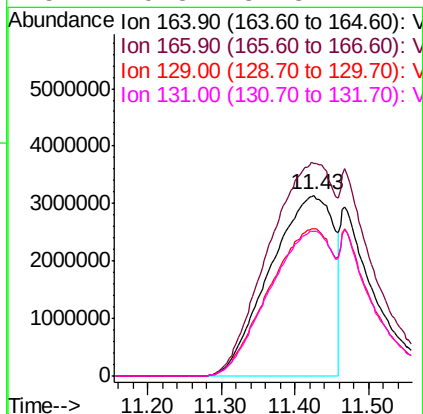
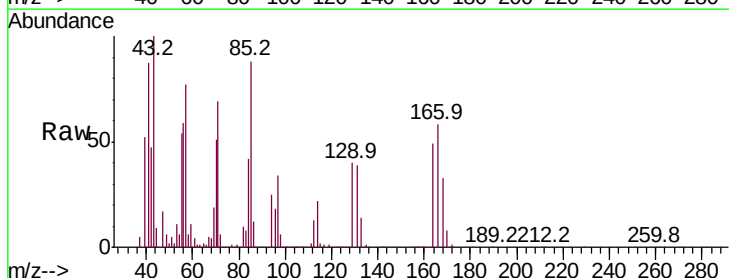
Ion Ratio Lower Upper

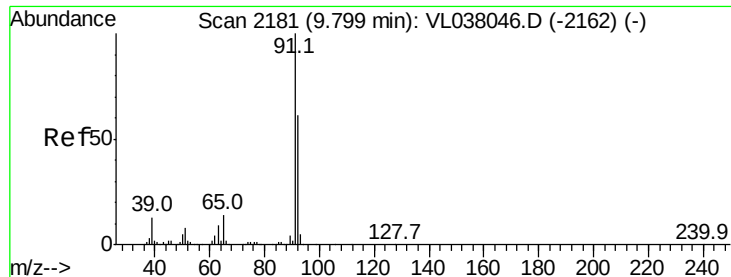
164 100

166 117.5 97.2 145.8

129 81.1 86.9 130.3#

131 79.8 82.8 124.2#





#53

Toluene

Concen: 10.647 ppbv

RT: 9.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

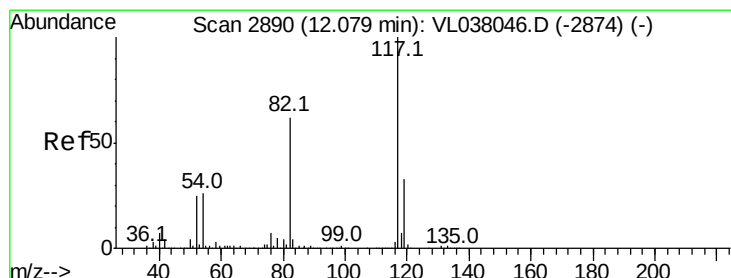
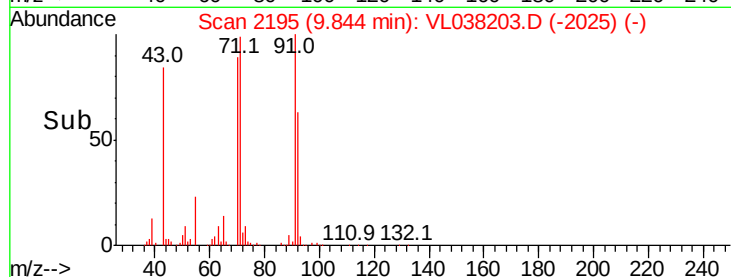
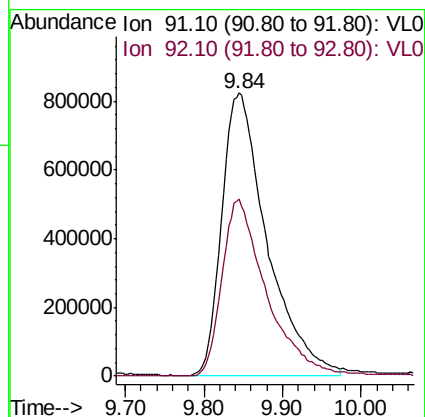
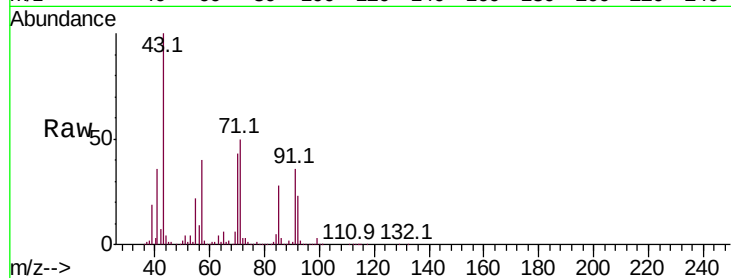
Acq: 17 Dec 2021 00:18

Tot Ion: 91 Resp: 3276758

Ion Ratio Lower Upper

91 100

92 62.2 49.7 74.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2930

Delta R.T. 0.13 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

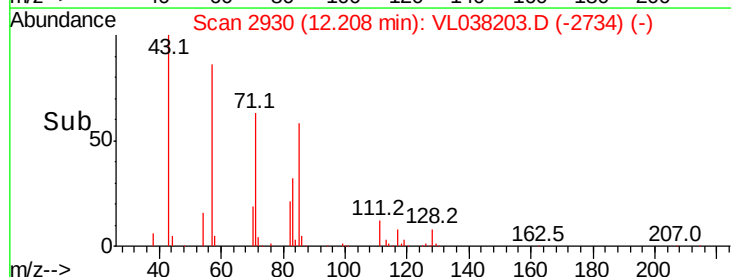
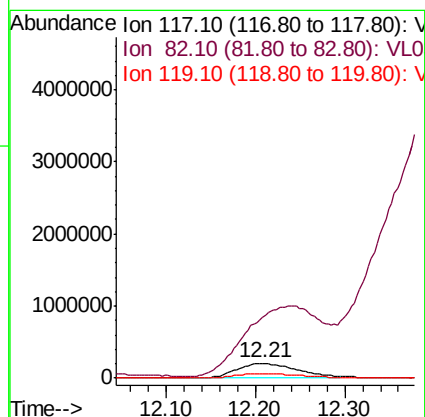
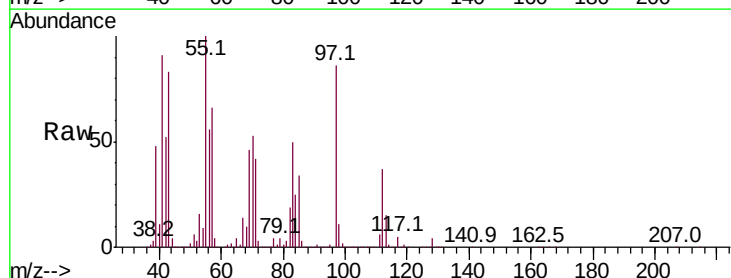
Tgt Ion: 117 Resp: 964446

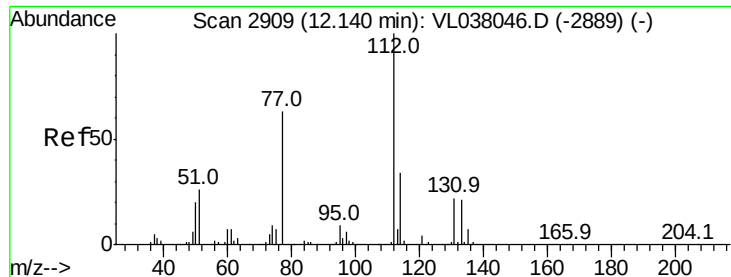
Ion Ratio Lower Upper

117 100

82 618.9 52.8 79.2#

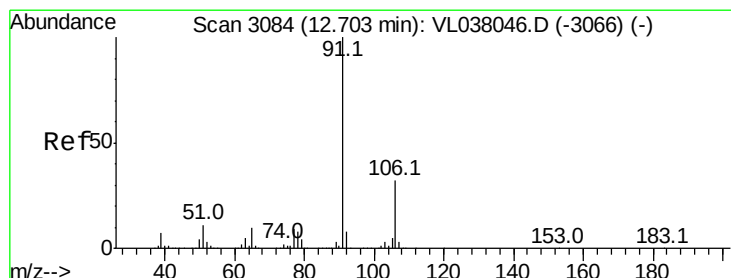
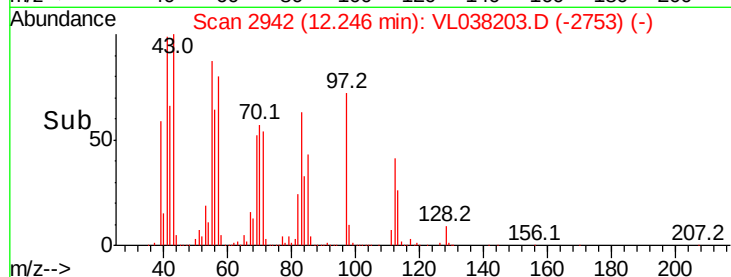
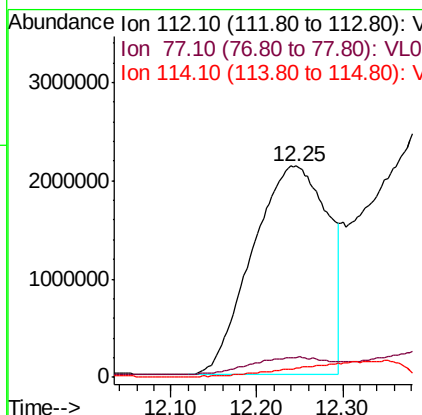
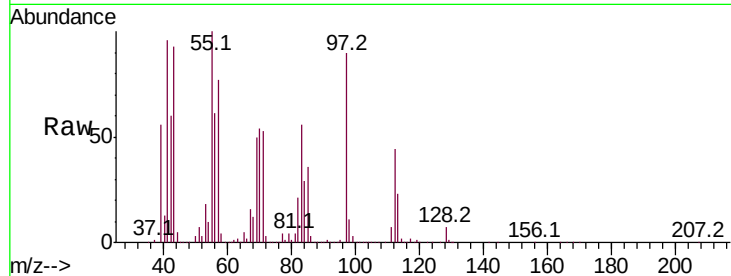
119 34.7 26.8 40.2





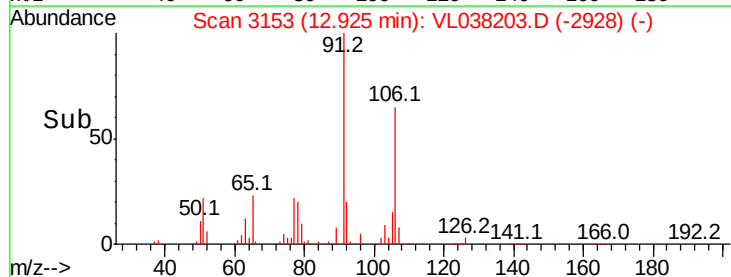
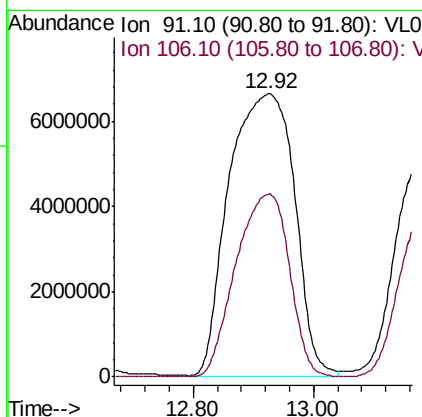
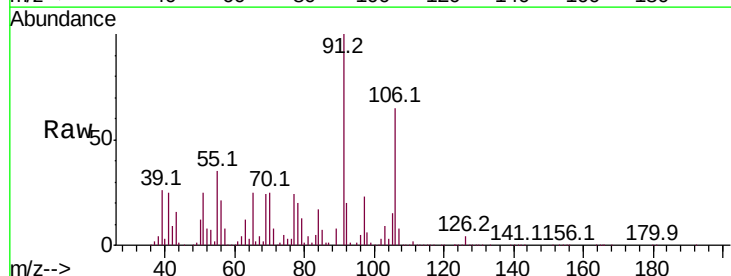
#57
Chlorobenzene
Concen: 148.634 ppbv
RT: 12.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 00:18

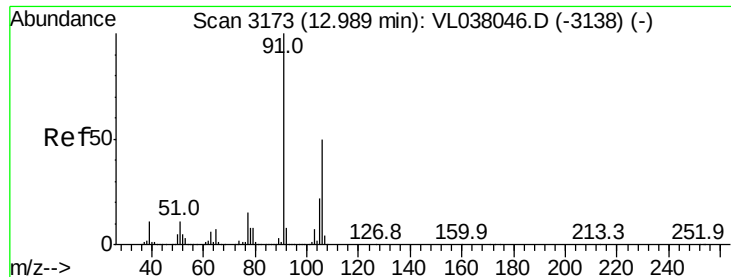
Tot Ion: 112 Resp: 12848141
Ion Ratio Lower Upper
112 100
77 7.8 50.3 75.5#
114 4.0 30.7 37.5#



#58
Ethyl Benzene
Concen: 313.283 ppbv
RT: 12.92 min Scan# 3153
Delta R.T. 0.22 min
Lab File: VL038203.D
Acq: 17 Dec 2021 00:18

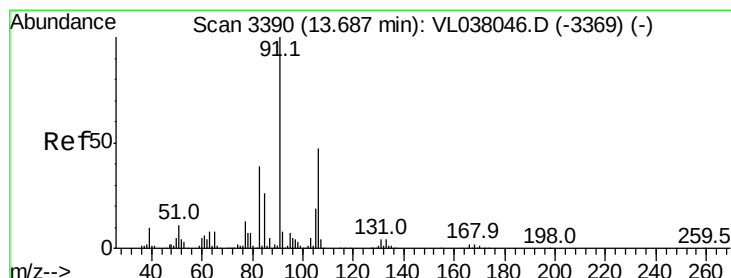
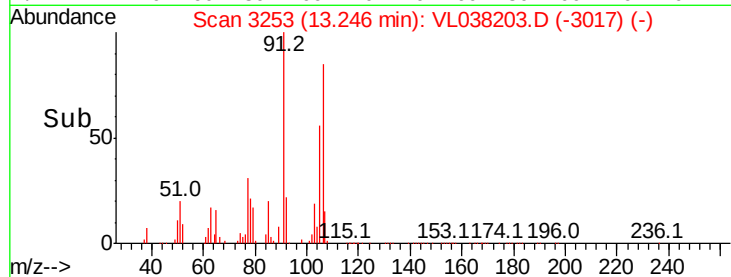
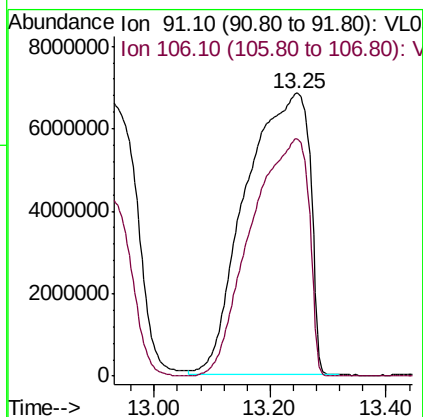
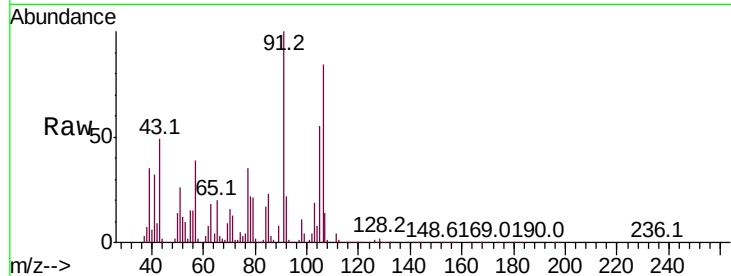
Tgt Ion: 91 Resp: 49938784
Ion Ratio Lower Upper
91 100
106 64.7 25.8 38.6#





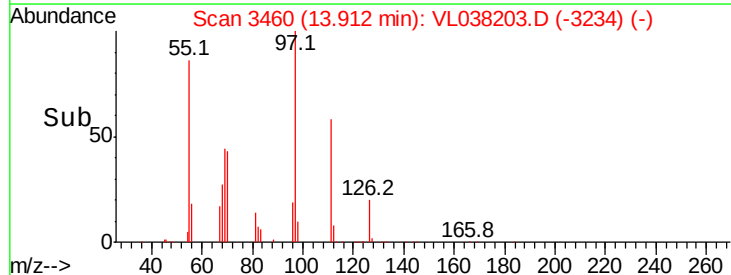
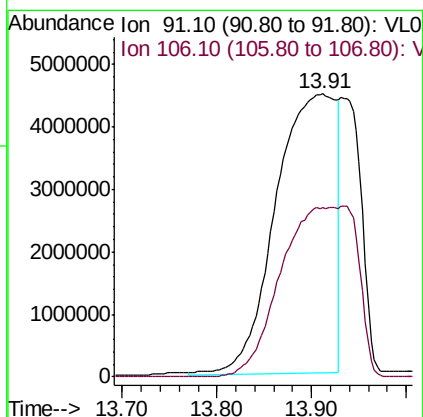
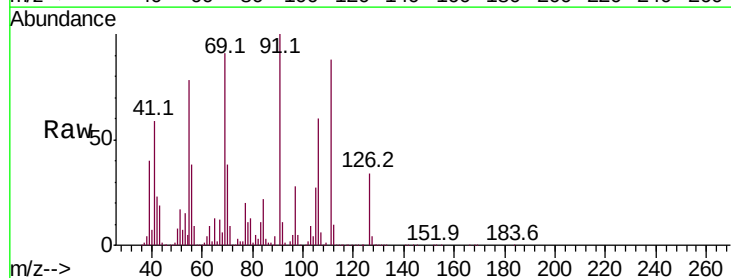
#59
 m/p-Xylene
 Concen: 389.951 ppbv
 RT: 13.25
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 17 Dec 2021 00:18

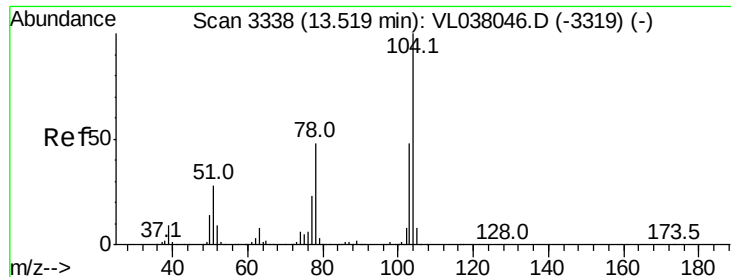
Tot Ion: 91 Resp:52326289
 Ion Ratio Lower Upper
 91 100
 106 76.0 38.1 57.1#



#60
 o-Xylene
 Concen: 157.827 ppbv
 RT: 13.91 min Scan# 3460
 Delta R.T. 0.23 min
 Lab File: VL038203.D
 Acq: 17 Dec 2021 00:18

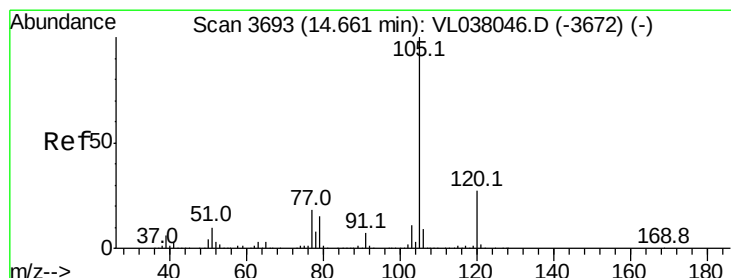
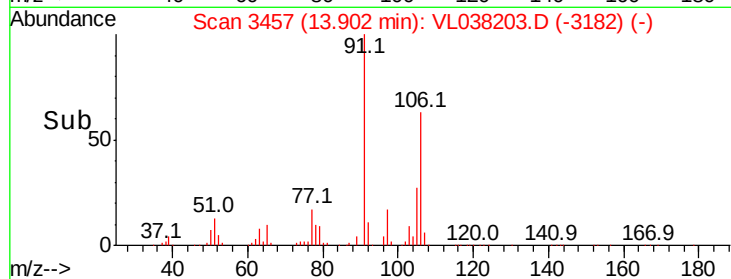
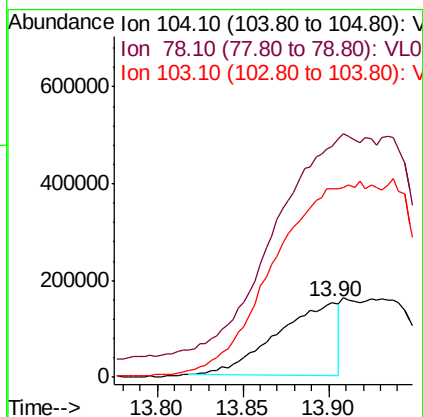
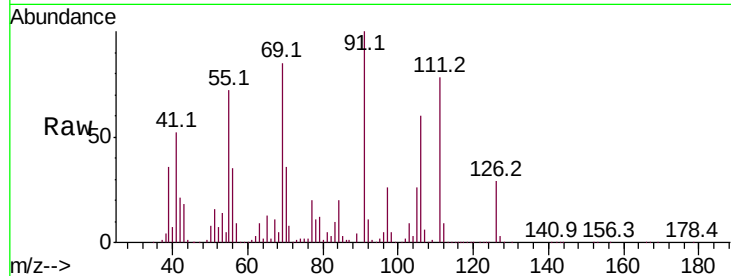
Tgt Ion: 91 Resp:19646277
 Ion Ratio Lower Upper
 91 100
 106 0.0 24.2 72.6#





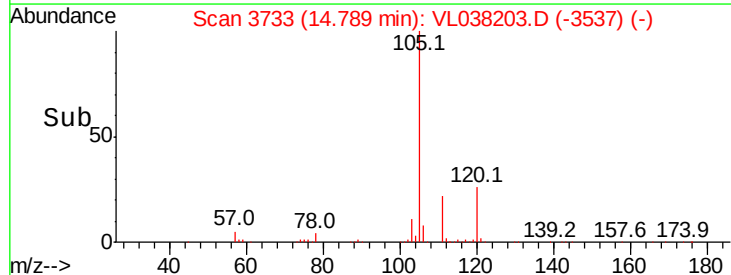
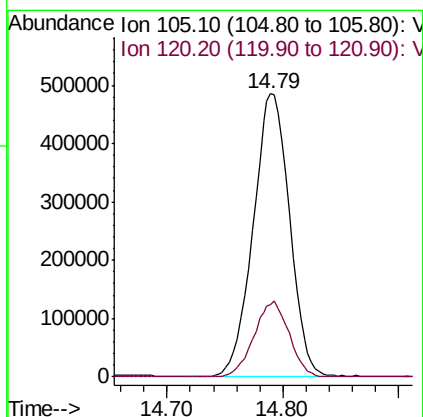
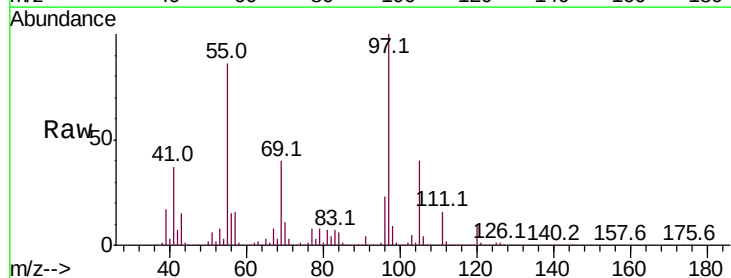
#61
Stvrene
Concen: 5.594 ppbv
RT: 13.90 min
Delta R.T. 0.13 min
Lab File: VL038203.D
Acq: 17 Dec 2021 00:18

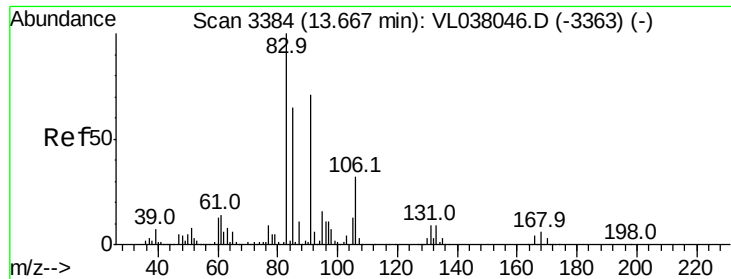
Tot Ion	Ratio	Lower	Upper
104	100		
78	770.1	39.8	59.6#
103	0.0	38.2	57.2#



#62
Isopropylbenzene
Concen: 5.971 ppbv
RT: 14.79 min Scan# 3733
Delta R.T. 0.13 min
Lab File: VL038203.D
Acq: 17 Dec 2021 00:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.8	32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 93.465 ppbv

RT: 13.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Dec 2021 00:18

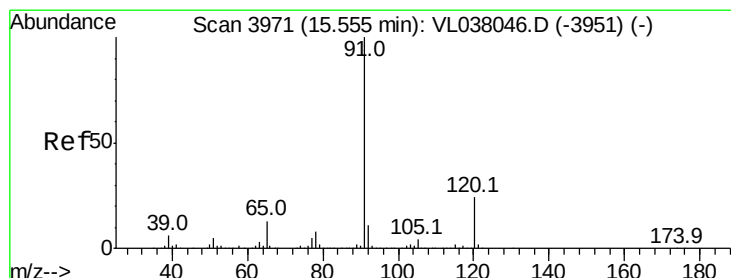
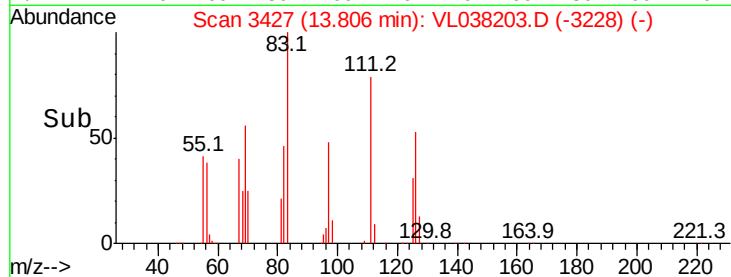
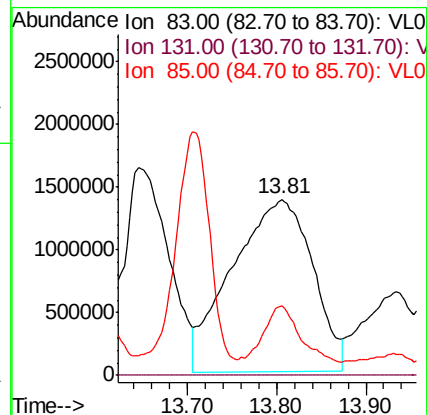
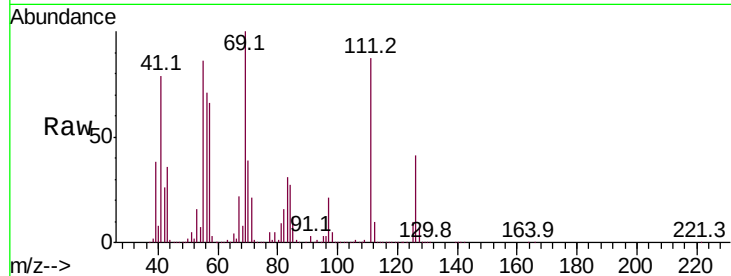
Tot Ion: 83 Resp: 8642021

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 21.5 33.4 100.1#



#64

n-propylbenzene

Concen: 0.090 ppbv

RT: 15.66 min Scan# 4005

Delta R.T. 0.11 min

Lab File: VL038203.D

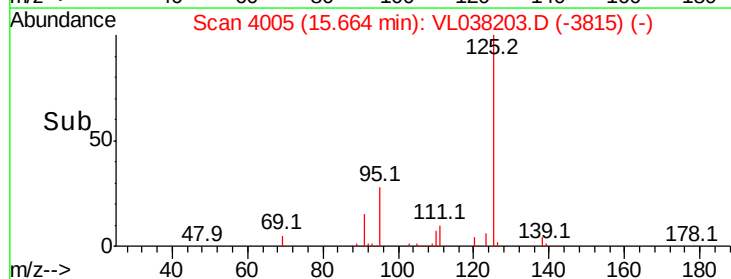
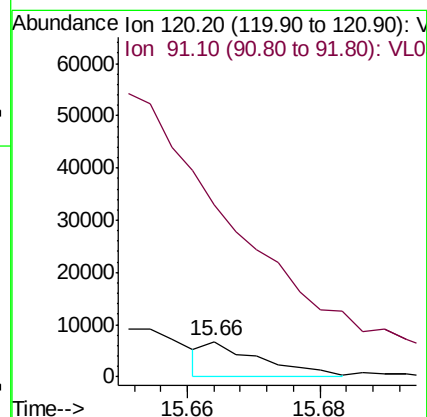
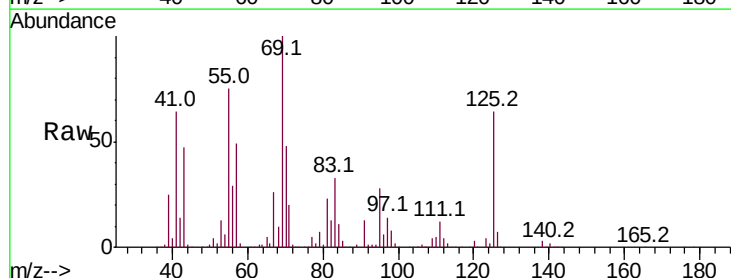
Acq: 17 Dec 2021 00:18

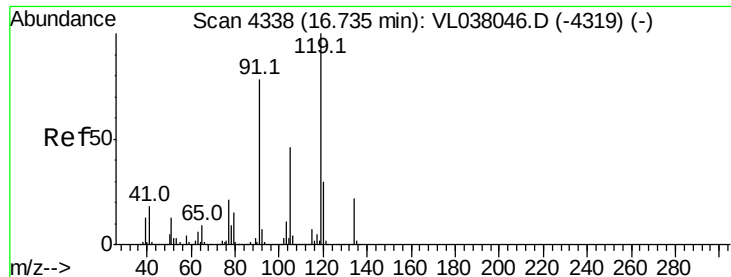
Tgt Ion:120 Resp: 4049

Ion Ratio Lower Upper

120 100

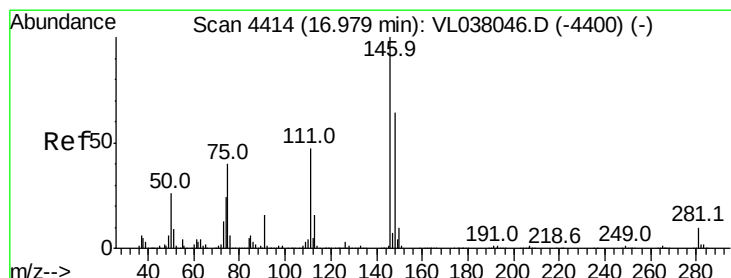
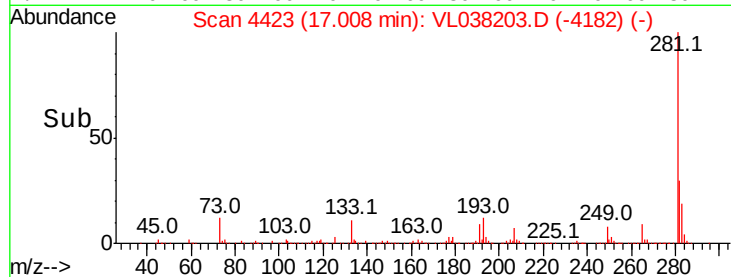
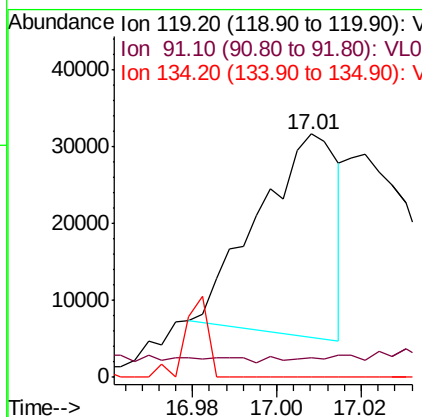
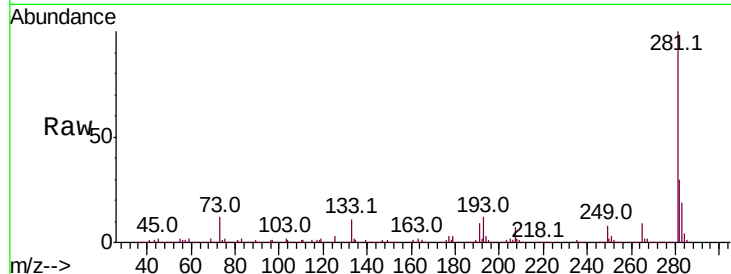
91 292.8 371.7 557.5#





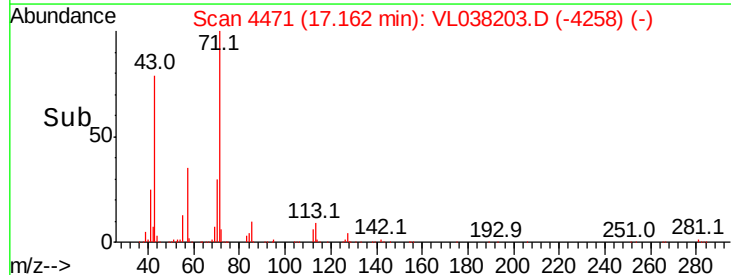
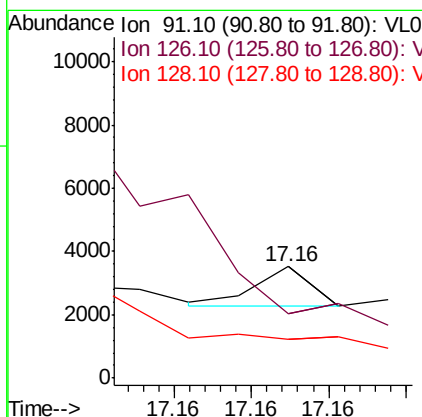
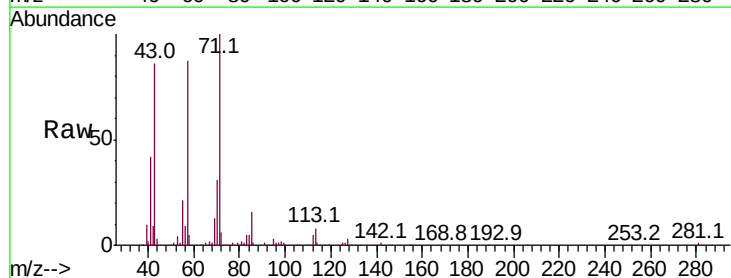
#65
 tert-Butylbenzene
 Concen: 0.219 ppbv
 RT: 17.01 min
 Instrument: MSVOA_1
 Delta R.T.: 0.18 min
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 00:18

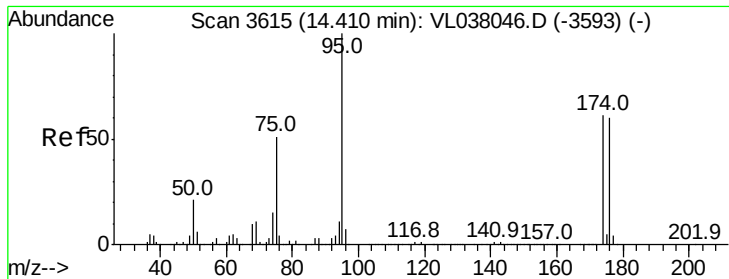
Tot Ion:	119	Resp:	34033
Ion Ratio	Lower	Upper	
119	100		
91	10.8	63.2	94.8#
134	2.2	16.1	24.1#



#66
 Benzyl Chloride
 Concen: 0.039 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T.: 0.18 min
 Lab File: VL038203.D
 Acq: 17 Dec 2021 00:18

Tgt Ion:	91	Resp:	309
Ion Ratio	Lower	Upper	
91	100		
126	0.0	15.5	23.3#
128	0.0	5.6	8.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 119.437 ppbv

RT: 14.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Dec 2021 00:18

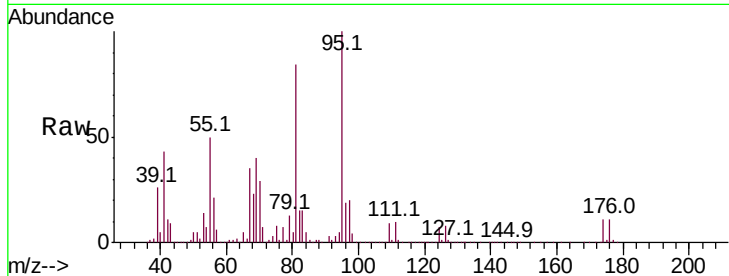
Tot Ion: 95 Resp: 8308856

Ion Ratio Lower Upper

95 100

174 11.1 53.1 79.7#

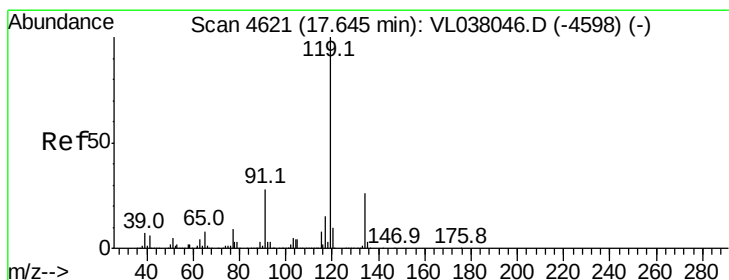
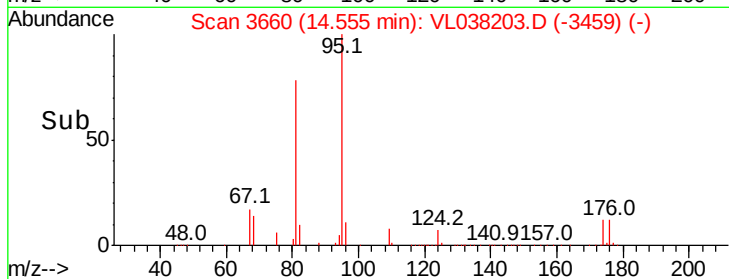
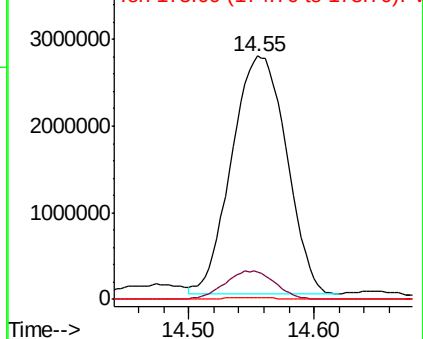
175 0.8 4.0 6.0#



Abundance Ion 95.10 (94.80 to 95.80): VL038046.D (-3593) (-)

Ion 174.00 (173.70 to 174.70): VL038046.D (-3593) (-)

Ion 175.00 (174.70 to 175.70): VL038046.D (-3593) (-)



#69

p-Isopropyltoluene

Concen: 4.525 ppbv

RT: 17.70 min Scan# 4637

Delta R.T. 0.05 min

Lab File: VL038203.D

Acq: 17 Dec 2021 00:18

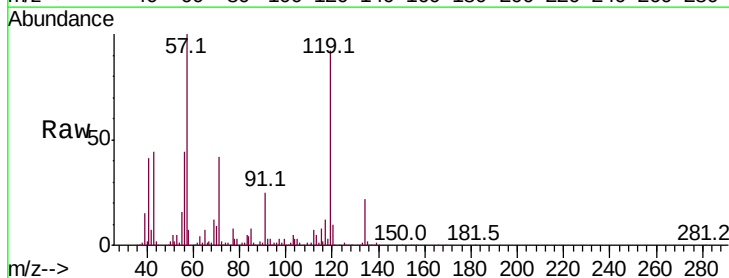
Tgt Ion: 119 Resp: 767775

Ion Ratio Lower Upper

119 100

134 25.5 20.6 30.8

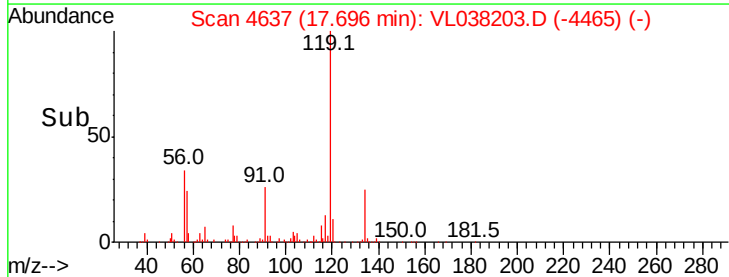
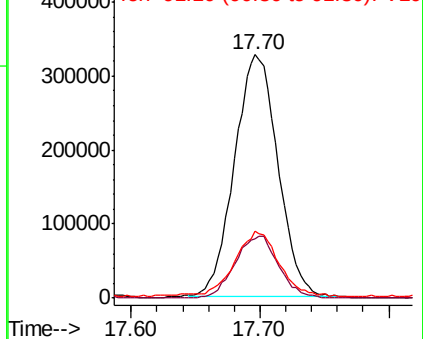
91 27.7 22.2 33.4

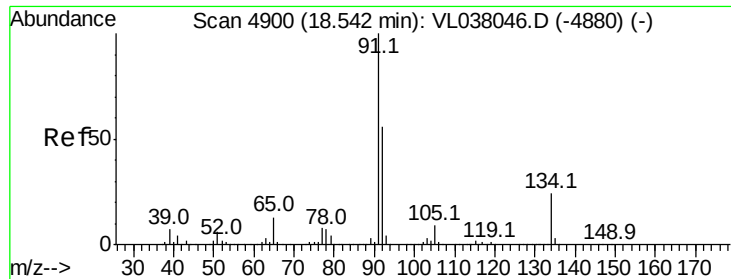


Abundance Ion 119.10 (118.80 to 119.80): VL038046.D (-4598) (-)

Ion 134.20 (133.90 to 134.90): VL038046.D (-4598) (-)

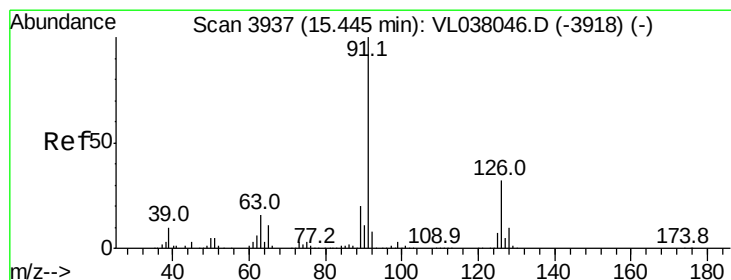
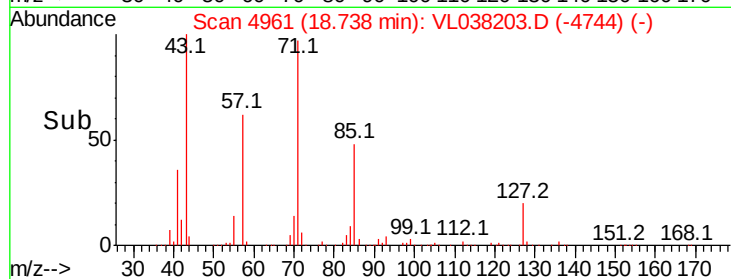
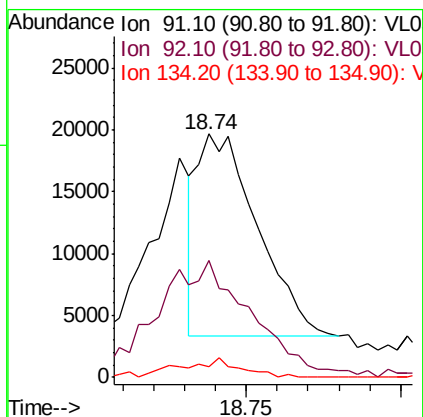
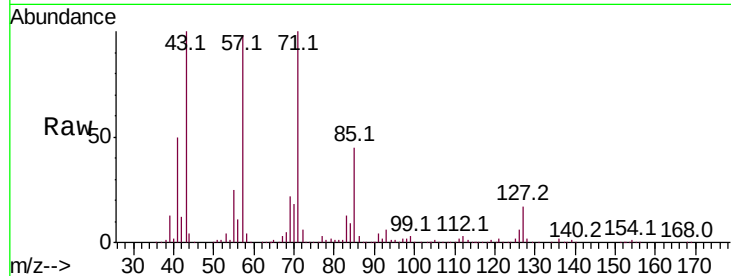
Ion 91.10 (90.80 to 91.80): VL038046.D (-4598) (-)





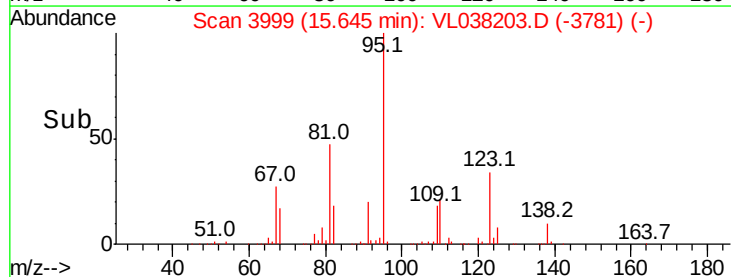
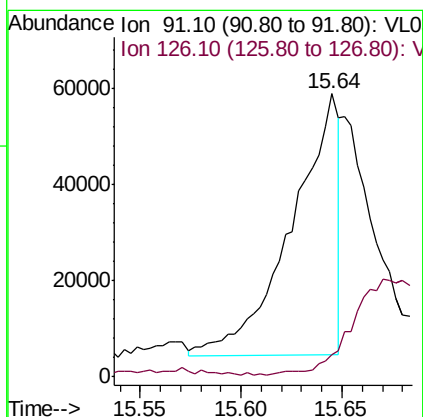
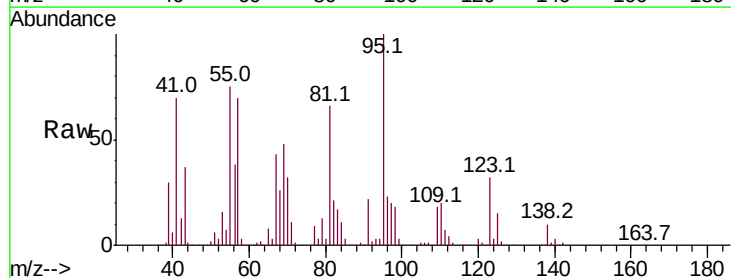
#70
n-Butylbenzene
Concen: 0.134 ppbv
RT: 18.74 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Dec 2021 00:18

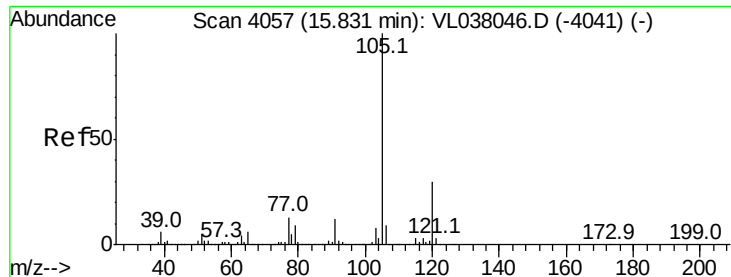
Tot Ion: 91 Resp: 21795
Ion Ratio Lower Upper
91 100
92 95.4 44.1 66.1#
134 10.0 18.9 28.3#



#71
2-Chlorotoluene
Concen: 0.679 ppbv
RT: 15.64 min Scan# 3999
Delta R.T. 0.20 min
Lab File: VL038203.D
Acq: 17 Dec 2021 00:18

Tgt Ion: 91 Resp: 87766
Ion Ratio Lower Upper
91 100
126 0.0 13.1 52.3#





#72

4-Ethyltoluene

Concen: 0.479 ppbv

RT: 16.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Dec 2021 00:18

Tot Ion:105 Resp: 69060

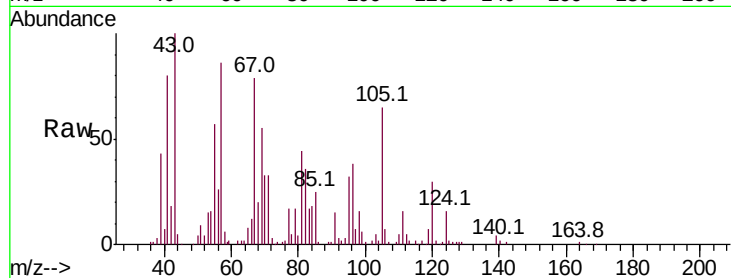
Ion Ratio Lower Upper

105 100

120 50.7 25.1 37.7#

91 18.2 9.7 14.5#

77 30.7 10.6 16.0#



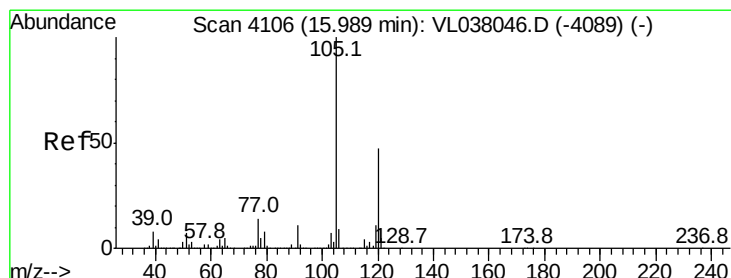
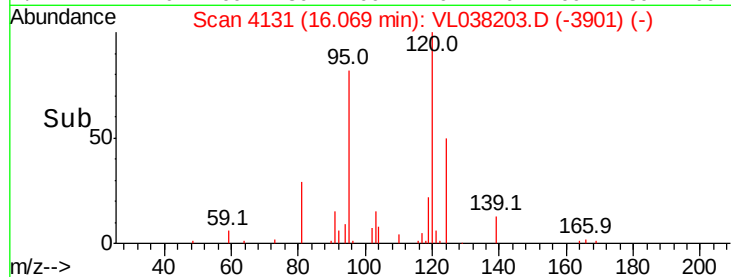
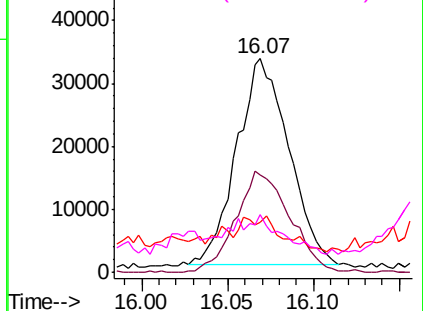
Abundance

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



#73

1,3,5-Trimethylbenzene

Concen: 0.524 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. 0.08 min

Lab File: VL038203.D

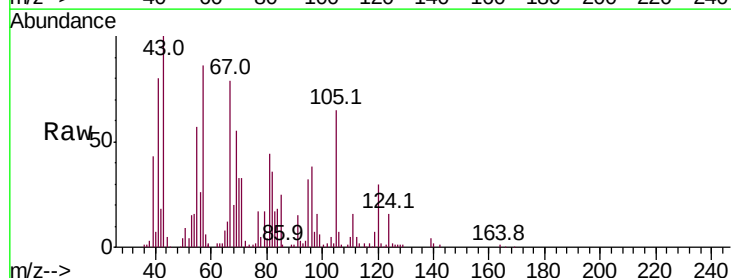
Acq: 17 Dec 2021 00:18

Tgt Ion:105 Resp: 69060

Ion Ratio Lower Upper

105 100

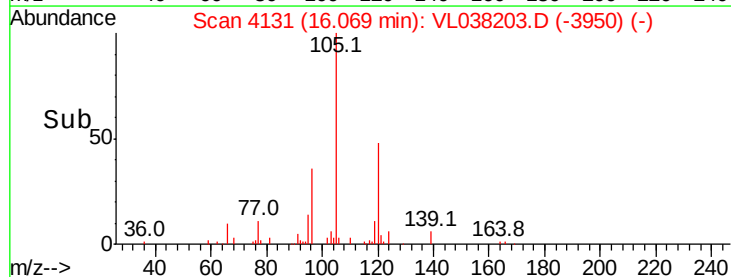
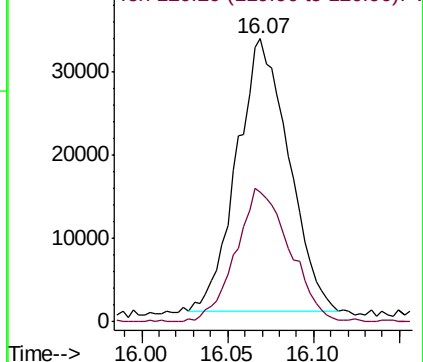
120 46.7 37.8 56.6

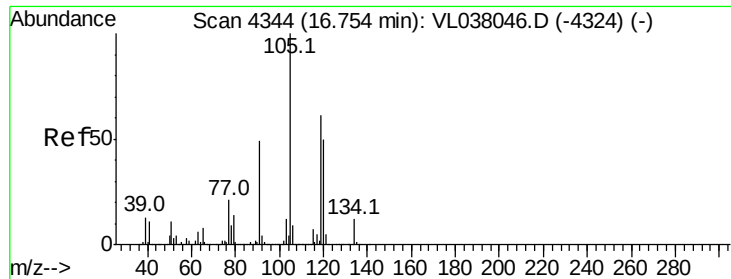


Abundance

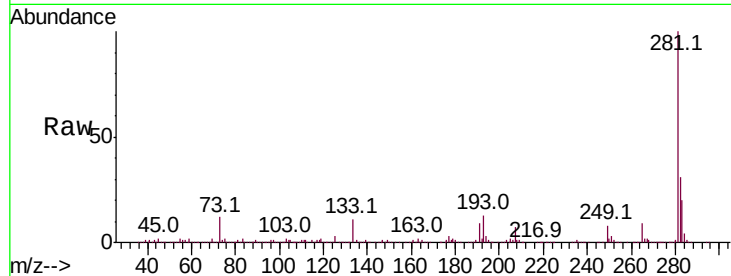
Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.049 ppbv
 RT: 17.00
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 00:18



Tot Ion:	105	Resp:	6696
Ion Ratio	Lower	Upper	
105	100		
120	64.7	40.1	60.1#
91	2.2	39.8	59.8#
77	20.6	16.6	25.0

