

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037960.D
 Acq On : 2 Nov 2021 5:20
 Operator : SY/AP
 Sample : M4068-14 L00 0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

Quant Time: Nov 02 08:00:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1383268	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4078709	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3560131	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2658024	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	139387	0.715	ppbv	94
3) Chlorodifluoromethane	2.99	51	150420	0.584	ppbv	98
4) Chloromethane	3.14	50	58130	0.594	ppbv	93
5) Vinyl Chloride	3.26	62	52540	0.557	ppbv	92
6) Bromomethane	3.47	94	22588	0.443	ppbv	93
7) Chloroethane	3.56	64	5963	0.175	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	125451	0.559	ppbv	96
9) Propene	3.02	41	45870	0.497	ppbv	94
10) Heptane	8.11	43	94807	0.441	ppbv	97
11) Trichlorofluoromethane	3.95	101	103744	0.535	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	88377	0.584	ppbv	93
13) Ethanol	3.61	45	2081	0.223	ppbv #	32
14) Bromoethene	3.73	108	23277	0.352	ppbv #	42
15) Acetone	3.86	43	57758	0.505	ppbv	92
16) 1,3-Butadiene	3.32	39	44164	0.490	ppbv	97
17) tert-Butyl alcohol	4.31	59	29421	0.248	ppbv #	71
18) 1,1-Dichloroethene	4.28	96	32700	0.470	ppbv #	75
19) Isopropyl Alcohol	3.98	45	23890	0.327	ppbv #	77
20) Methylene Chloride	4.33	84	38547	0.614	ppbv	98
21) Allyl Chloride	4.40	41	35091	0.333	ppbv #	40
22) trans-1,2-Dichloroethene	4.88	96	34574	0.500	ppbv #	80
23) Vinyl Acetate	5.08	43	70793	0.411	ppbv #	87
24) 1,1-Dichloroethane	5.00	63	60682	0.427	ppbv	98
25) Ethyl Acetate	5.68	43	158563	0.467	ppbv	97
26) Hexane	5.67	57	77586	0.482	ppbv	82
27) Carbon Disulfide	4.55	76	63526	0.400	ppbv #	83
28) Methyl tert-Butyl Ether	5.03	73	25780	0.191	ppbv #	9
29) Chloroform	5.74	83	129216	0.539	ppbv	92
30) Cyclohexane	7.12	84	55952	0.407	ppbv	82
31) cis-1,2-Dichloroethene	5.54	61	22845	0.156	ppbv #	54
32) 1,1,1-Trichloroethane	6.50	97	111466	0.473	ppbv	94
34) 2-Butanone	5.25	43	19641	0.130	ppbv #	53
35) Carbon Tetrachloride	7.00	117	108780	0.441	ppbv #	96
36) Benzene	6.88	78	156278	0.470	ppbv	97
37) 1,2-Dichloroethane	6.29	62	82692	0.524	ppbv	99
38) Trichloroethene	7.82	130	59160	0.429	ppbv	93
39) 1,2-Dichloropropane	7.60	63	63457	0.508	ppbv	88
40) 1,4-Dioxane	7.82	88	275	0.008	ppbv #	1
41) Tetrahydrofuran	6.05	42	2346	0.032	ppbv #	1
42) Bromodichloromethane	7.78	83	107178	0.449	ppbv	87
43) Methyl Methacrylate	8.01	69	40069	0.368	ppbv	93

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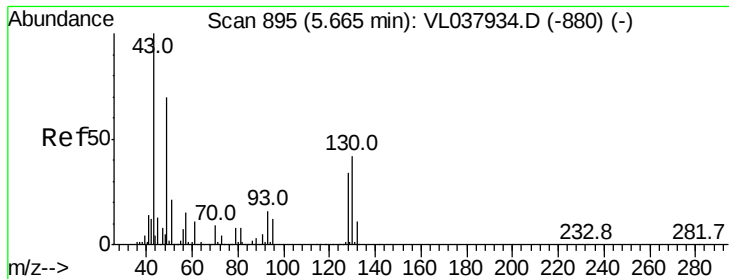
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

Quant Time: Nov 02 08:00:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	267195	0.473	ppbv #	91
45) t-1,3-Dichloropropene	9.27	75	21986	0.274	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	27639	0.251	ppbv	89
47) 1,1,2-Trichloroethane	9.45	97	31009	0.221	ppbv	92
48) Dibromochloromethane	10.29	129	87064	0.438	ppbv	97
49) Bromoform	13.01	173	28580	0.182	ppbv #	12
50) 4-Methyl-2-Pentanone	8.71	43	307	0.002	ppbv #	39
51) 2-Hexanone	10.11	43	433	0.005	ppbv #	30
52) Tetrachloroethene	11.21	164	27533	0.219	ppbv	94
53) Toluene	9.79	91	134720	0.378	ppbv	97
54) 1,2-Dibromoethane	10.59	107	80756	0.446	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.11	131	79075	0.550	ppbv #	1
57) Chlorobenzene	12.13	112	85724	0.302	ppbv	93
58) Ethyl Benzene	12.69	91	106279	0.244	ppbv	93
59) m/p-Xylene	12.97	91	52381	0.135	ppbv #	1
60) o-Xylene	13.67	91	169546	0.465	ppbv	98
61) Styrene	13.51	104	31879	0.190	ppbv #	28
62) Isopropylbenzene	14.65	105	264281	0.512	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	158435	0.505	ppbv	98
64) n-propylbenzene	15.54	120	64833	0.490	ppbv	85
65) tert-Butylbenzene	16.73	119	210816	0.462	ppbv	92
66) Benzyl Chloride	16.98	91	2509	0.105	ppbv #	70
67) sec-Butylbenzene	17.28	105	296178	0.471	ppbv	98
69) p-Isopropyltoluene	17.63	119	217127	0.430	ppbv	95
70) n-Butylbenzene	18.53	91	201873	0.435	ppbv	97
71) 2-Chlorotoluene	15.43	91	67740	0.187	ppbv #	41
72) 4-Ethyltoluene	15.82	105	93991	0.225	ppbv #	50
73) 1,3,5-Trimethylbenzene	15.98	105	164791	0.421	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	114480	0.279	ppbv #	86
75) 1,3-Dichlorobenzene	16.97	146	67631	0.265	ppbv #	16
76) 1,4-Dichlorobenzene	17.11	146	69851	0.283	ppbv #	35
77) 1,2-Dichlorobenzene	17.80	146	90522	0.378	ppbv #	64
78) Hexachloro-1,3-Butadiene	23.36	225	77092	0.376	ppbv #	49
79) Naphthalene	22.27	128	1067	0.005	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	2356	0.051	ppbv #	72
81) 1,2,4-Trichlorobenzene	21.90	180	18984	0.123	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-OT4-2021

Acq: 2 Nov 2021 5:20

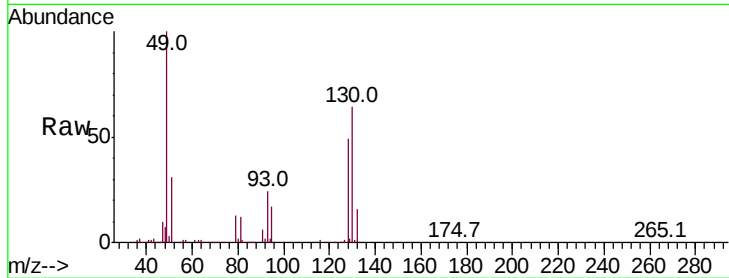
Tot Ion: 49 Resp: 1383268

Ion Ratio Lower Upper

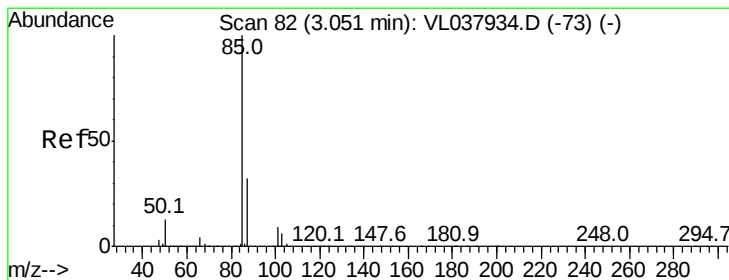
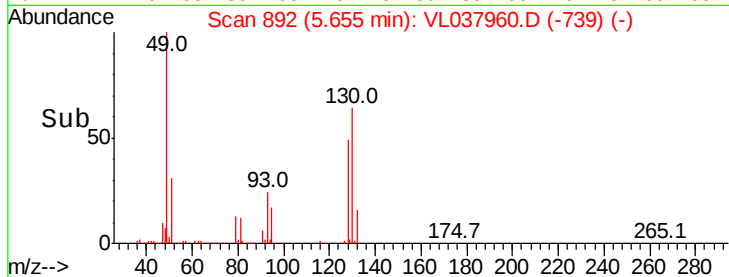
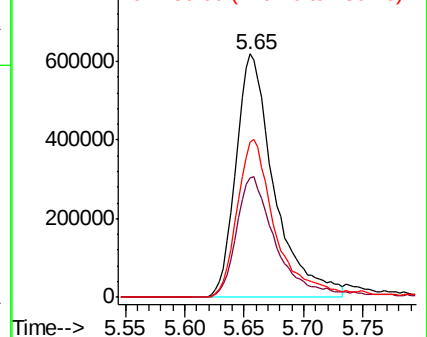
49 100

128 53.0 27.0 81.0

130 67.5 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.715 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037960.D

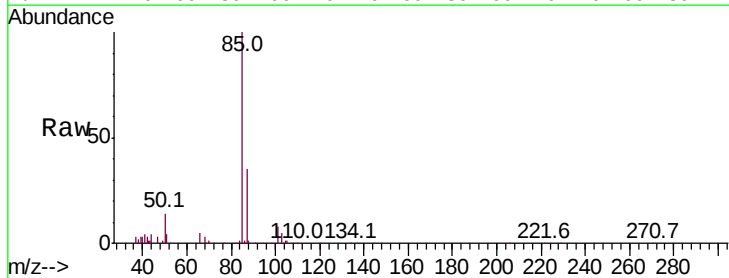
Acq: 2 Nov 2021 5:20

Tgt Ion: 85 Resp: 139387

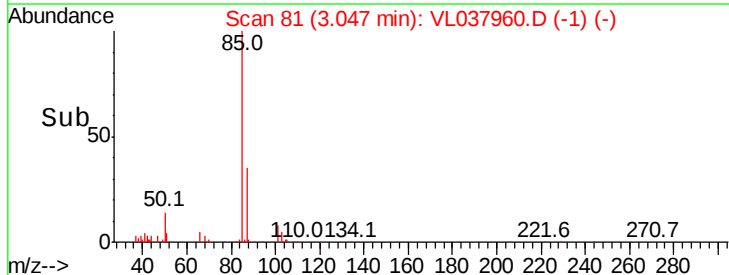
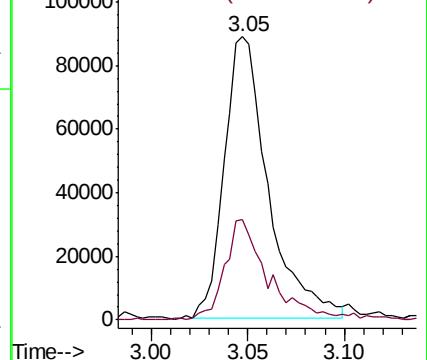
Ion Ratio Lower Upper

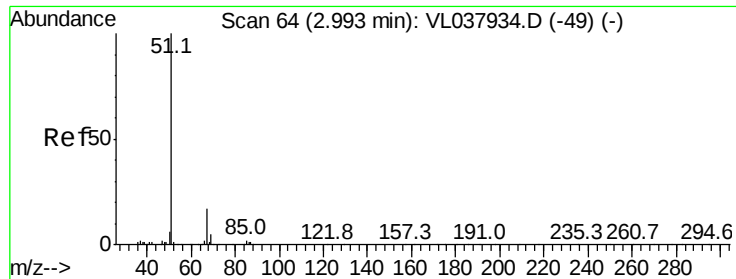
85 100

87 34.9 25.3 37.9



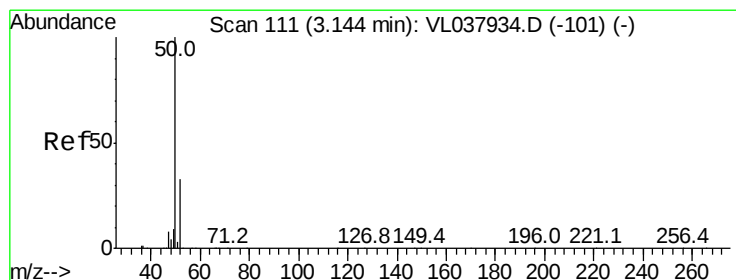
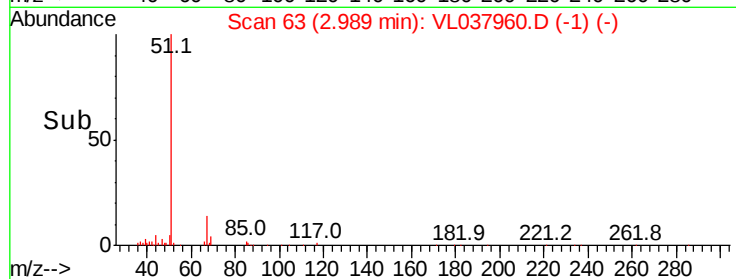
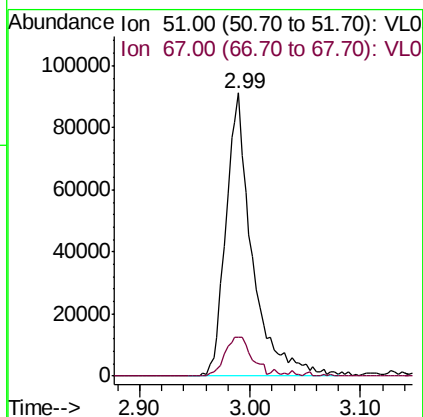
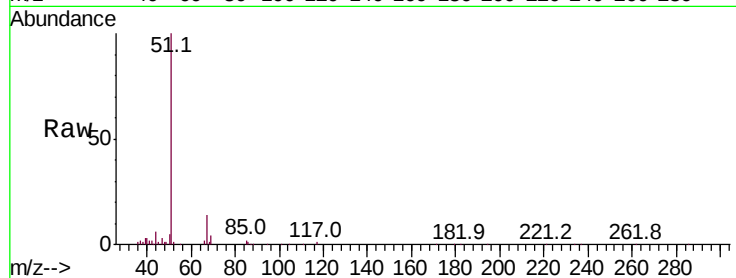
Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





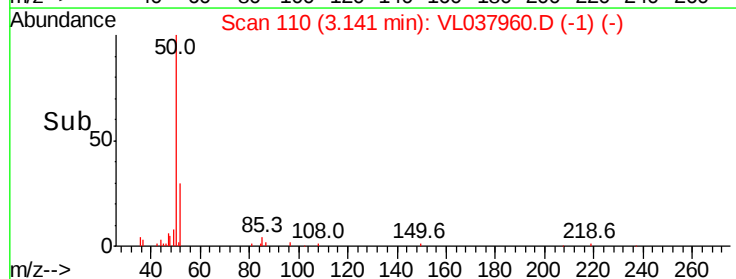
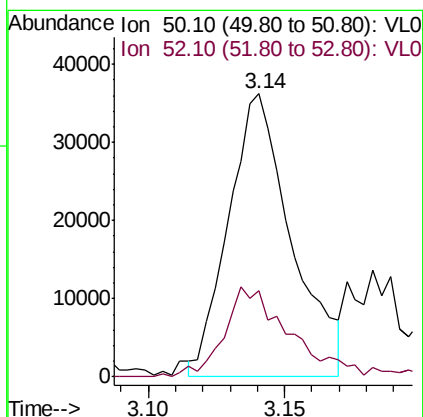
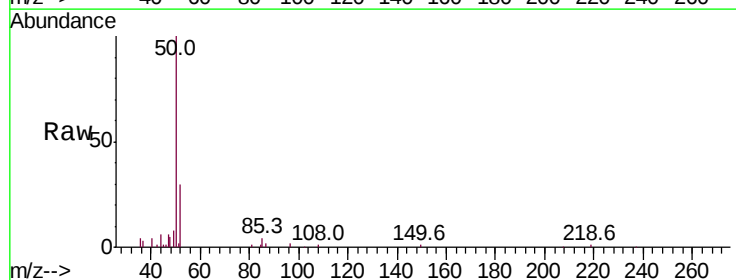
#3
 Chlorodifluoromethane
 Concen: 0.584 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:20

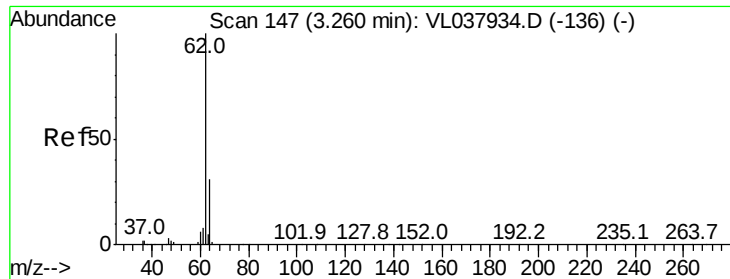
Tot Ion: 51 Resp: 150420
 Ion Ratio Lower Upper
 51 100
 67 16.0 13.4 20.0



#4
 Chloromethane
 Concen: 0.594 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. -0.00 min
 Lab File: VL037960.D
 Acq: 2 Nov 2021 5:20

Tgt Ion: 50 Resp: 58130
 Ion Ratio Lower Upper
 50 100
 52 28.9 26.3 39.5





#5

Vinyl Chloride

Concen: 0.557 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

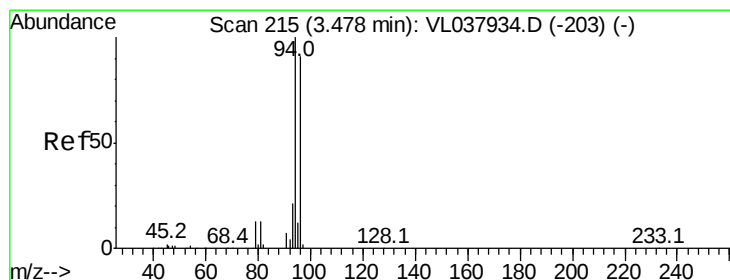
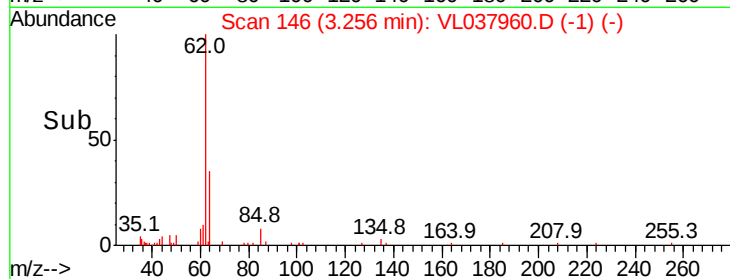
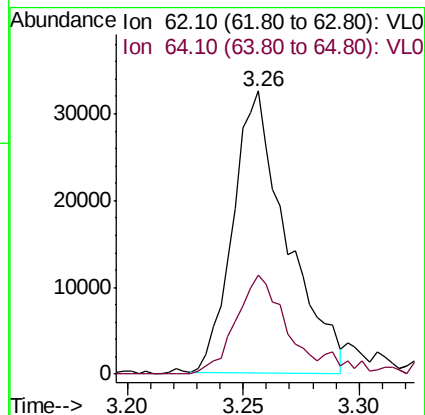
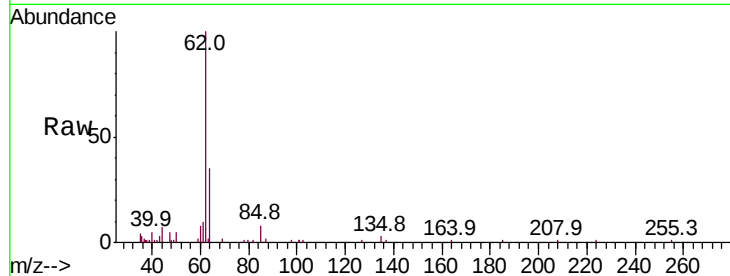
Acq: 2 Nov 2021 5:20

Tot Ion: 62 Resp: 52540

Ion Ratio Lower Upper

62 100

64 35.3 24.7 37.1



#6

Bromomethane

Concen: 0.443 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL037960.D

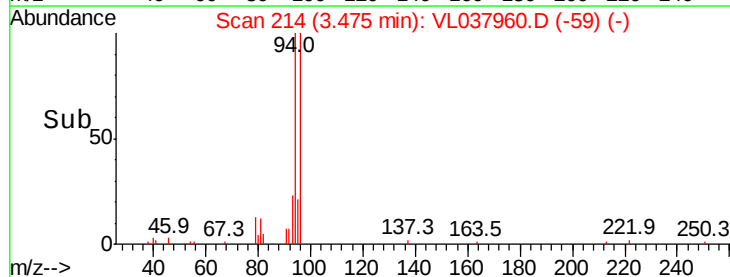
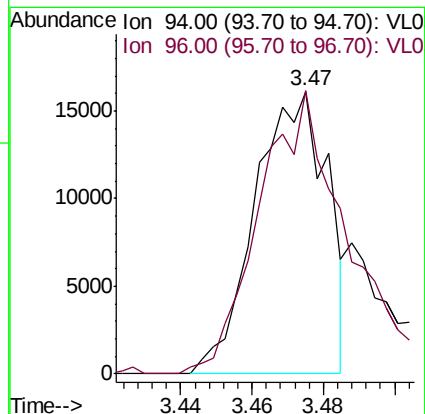
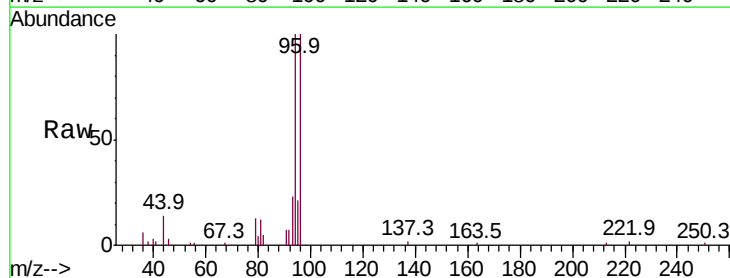
Acq: 2 Nov 2021 5:20

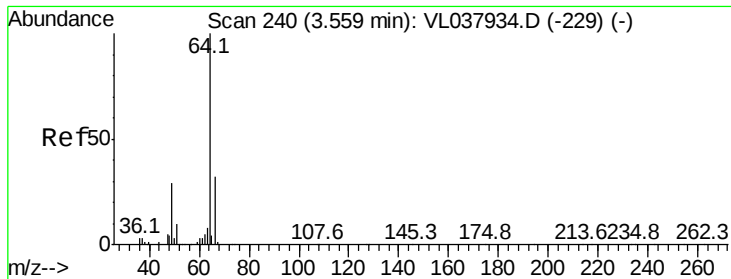
Tgt Ion: 94 Resp: 22588

Ion Ratio Lower Upper

94 100

96 97.7 73.0 109.4





#7

Chloroethane

Concen: 0.175 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

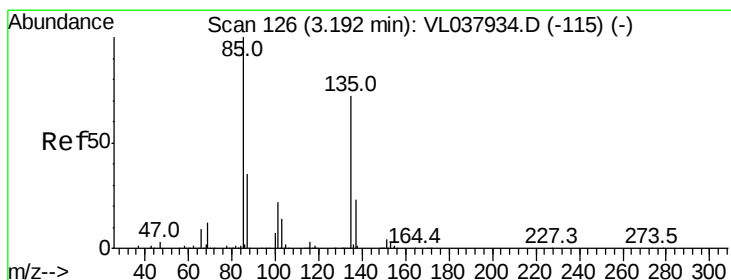
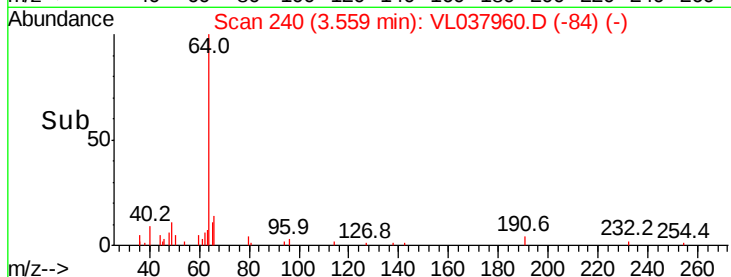
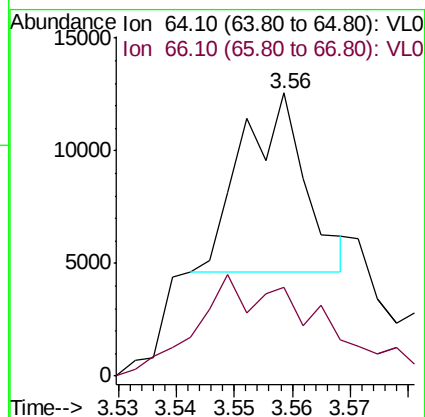
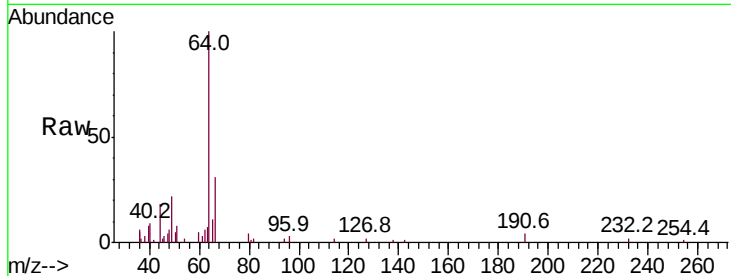
Acq: 2 Nov 2021 5:20

Tot Ion: 64 Resp: 5963

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 0.559 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL037960.D

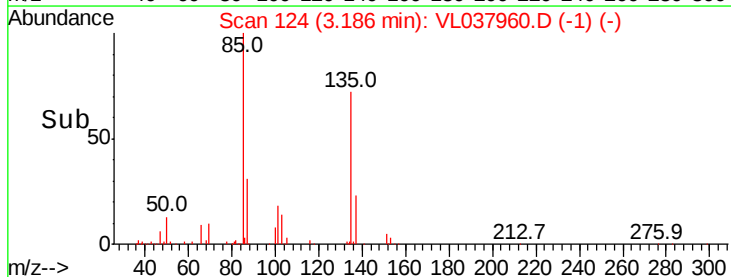
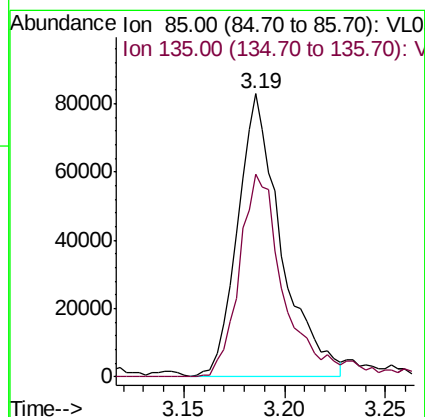
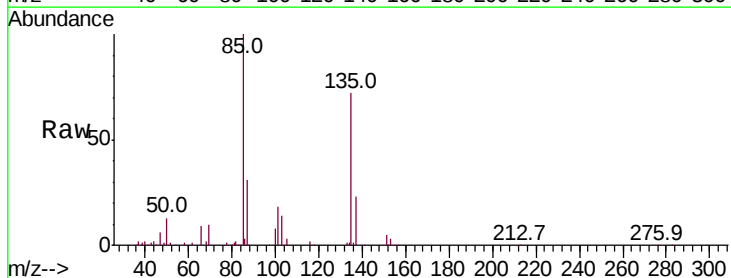
Acq: 2 Nov 2021 5:20

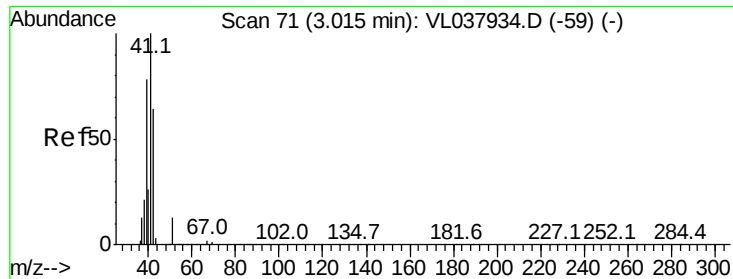
Tgt Ion: 85 Resp: 125451

Ion Ratio Lower Upper

85 100

135 76.7 58.8 88.2





#9

Propene

Concen: 0.497 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

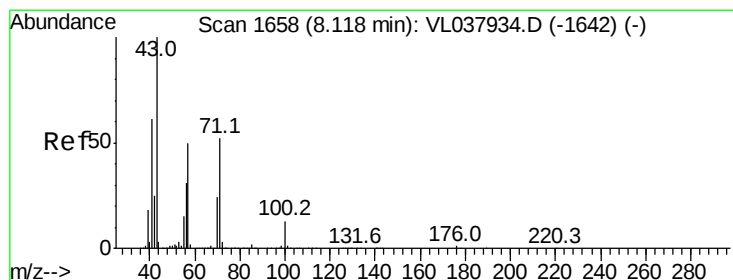
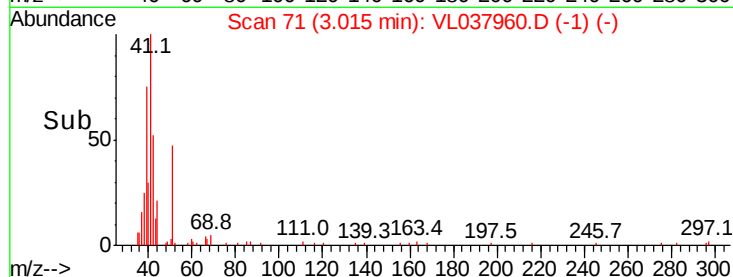
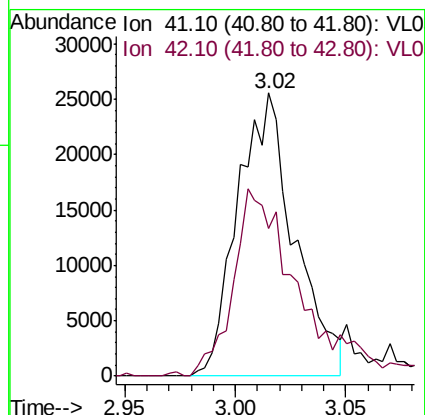
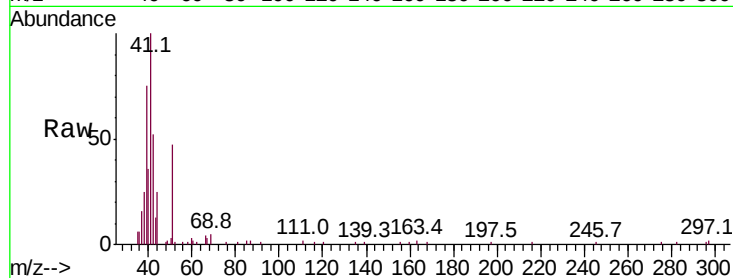
Acq: 2 Nov 2021 5:20

Tot Ion: 41 Resp: 45870

Ion Ratio Lower Upper

41 100

42 76.9 57.6 86.4



#10

Heptane

Concen: 0.441 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL037960.D

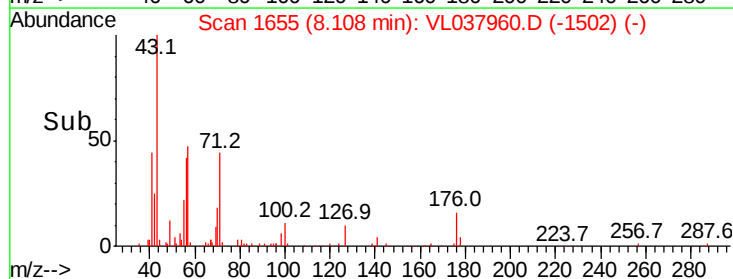
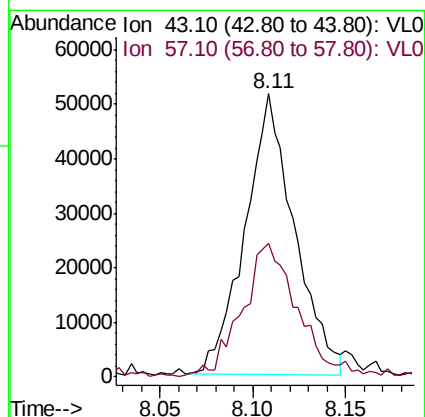
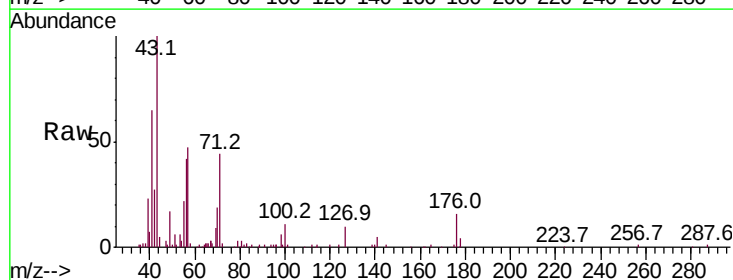
Acq: 2 Nov 2021 5:20

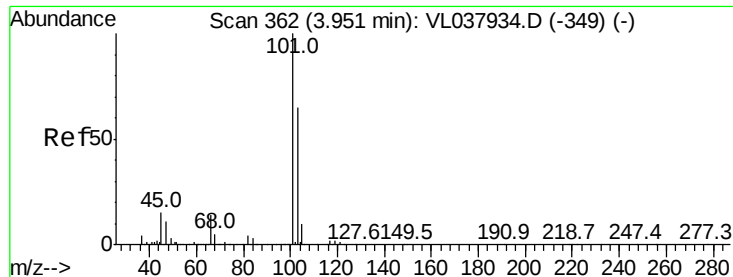
Tgt Ion: 43 Resp: 94807

Ion Ratio Lower Upper

43 100

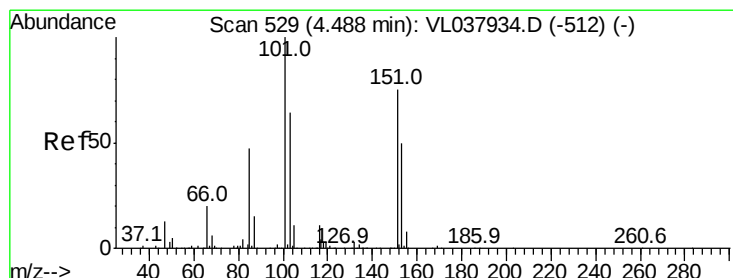
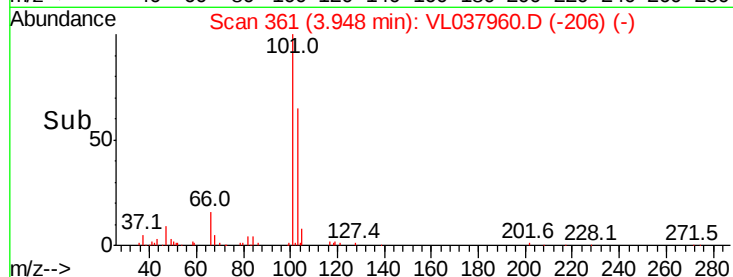
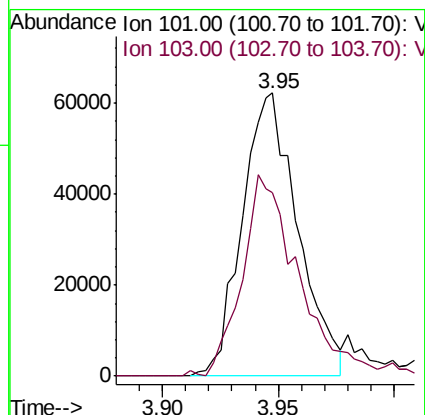
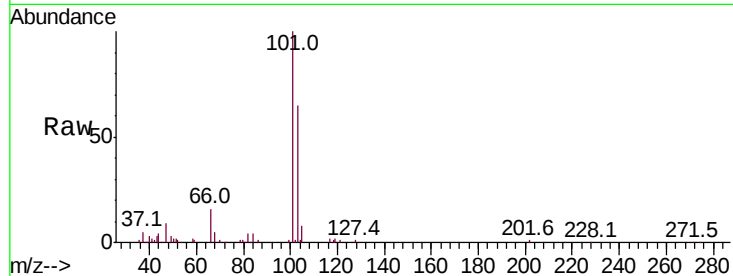
57 52.1 39.8 59.8





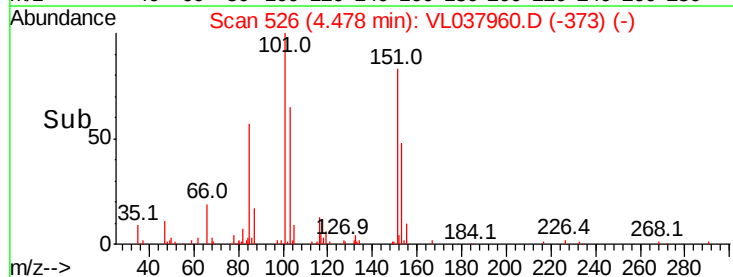
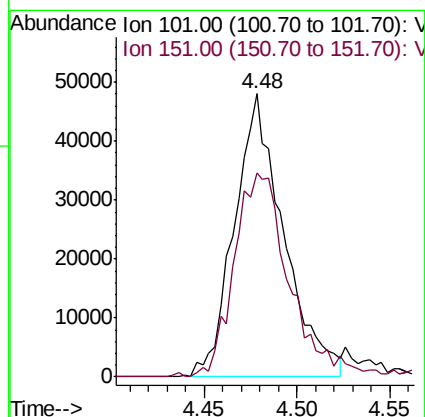
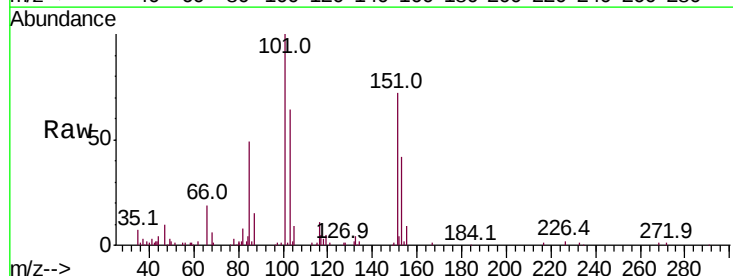
#11
 Trichlorofluoromethane
 Concen: 0.535 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:20

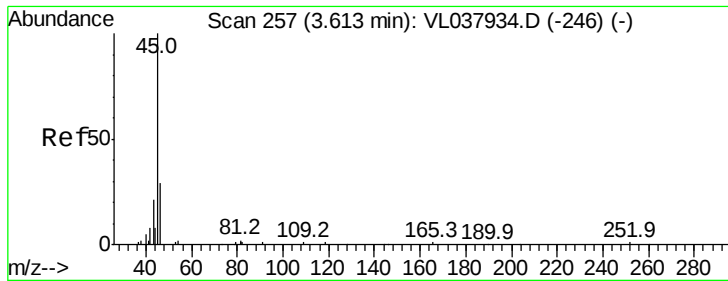
Tot Ion:101 Resp: 103744
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.584 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037960.D
 Acq: 2 Nov 2021 5:20

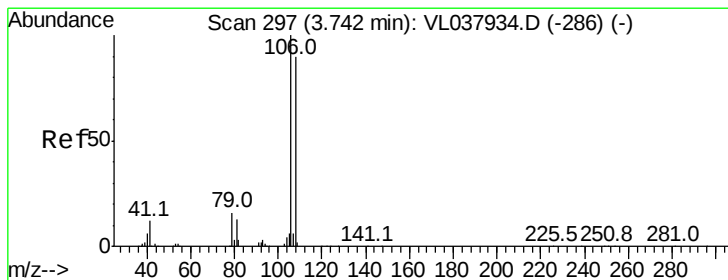
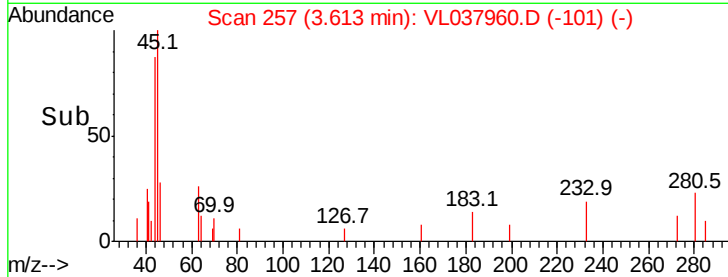
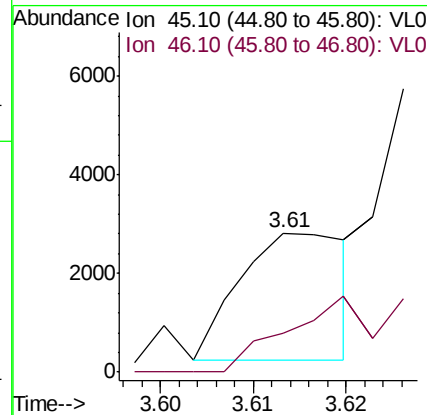
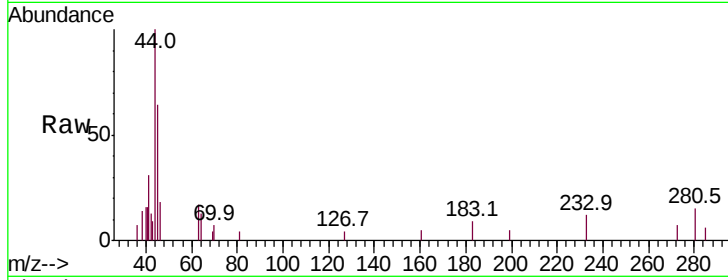
Tgt Ion:101 Resp: 88377
 Ion Ratio Lower Upper
 101 100
 151 83.0 61.8 92.8





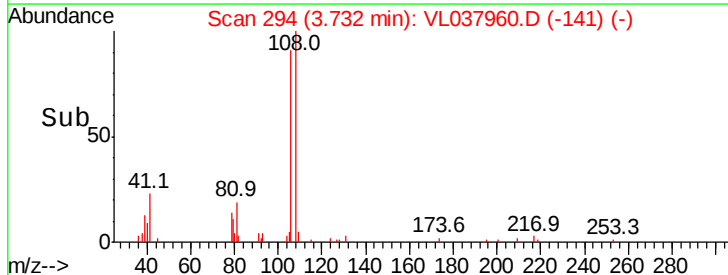
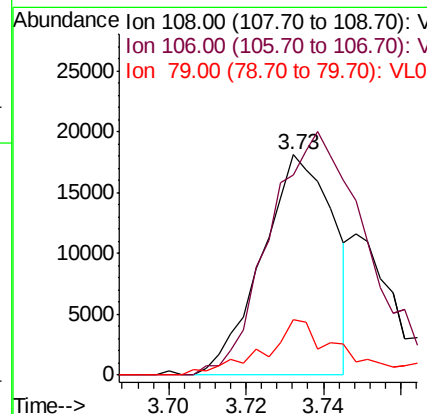
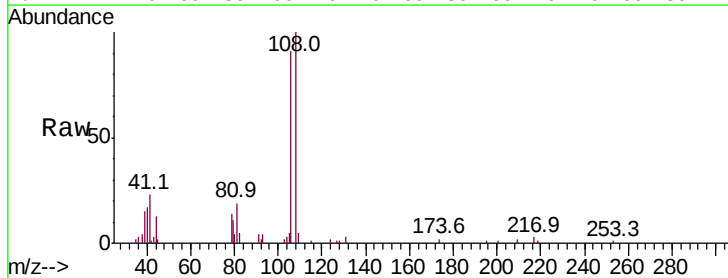
#13
Ethanol
Concen: 0.223 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 2 Nov 2021 5:20

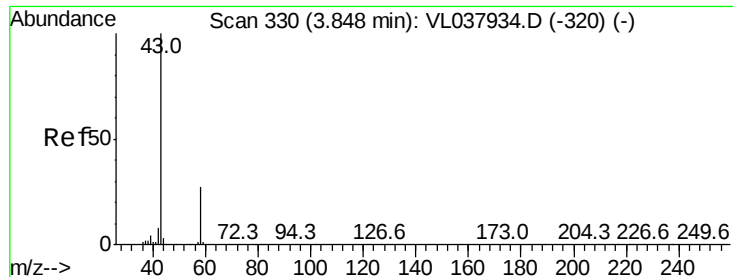
Tot Ion: 45 Resp: 2081
Ion Ratio Lower Upper
45 100
46 0.0 17.4 69.8#



#14
Bromoethene
Concen: 0.352 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

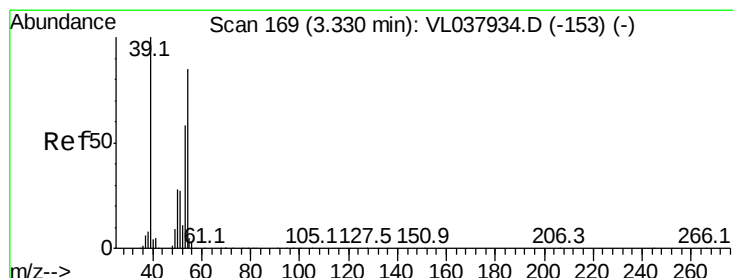
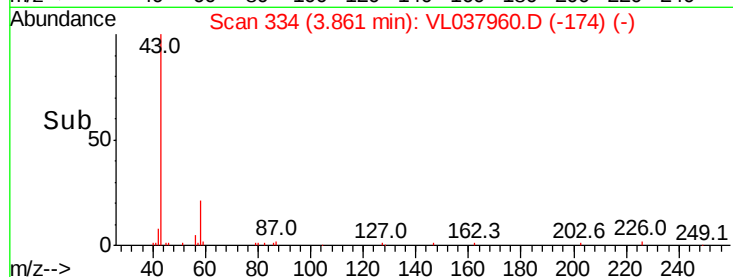
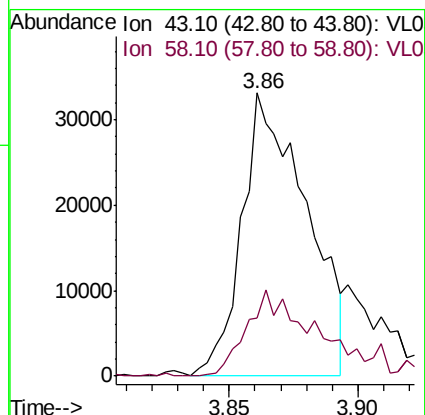
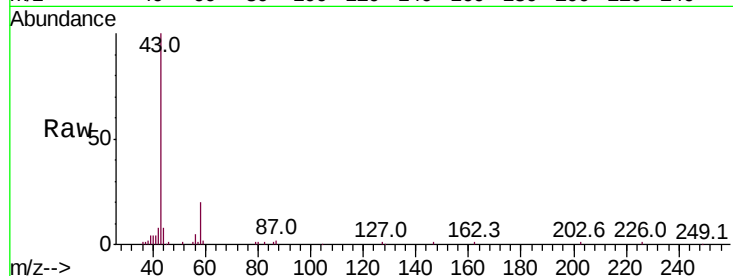
Tgt Ion: 108 Resp: 23277
Ion Ratio Lower Upper
108 100
106 174.7 88.4 132.6#
79 30.6 12.4 18.6#





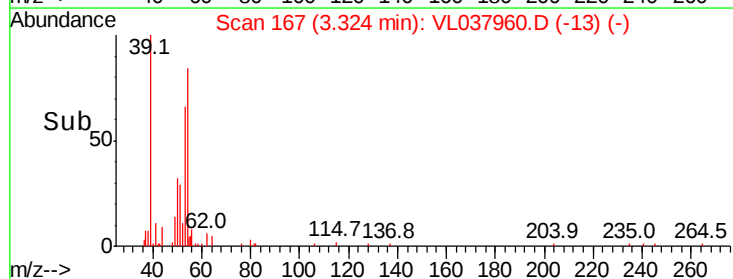
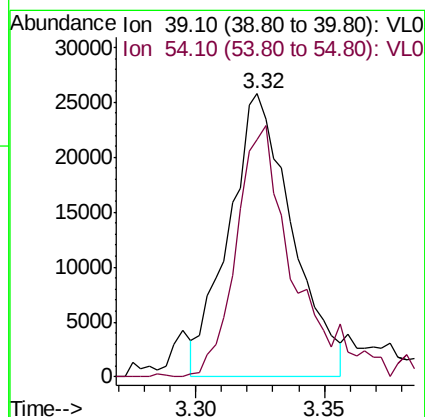
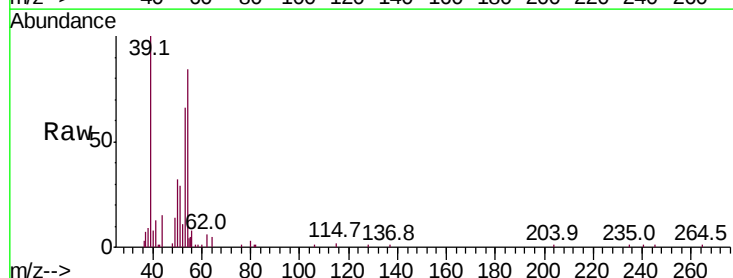
#15
Acetone
Concen: 0.505 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 5:20

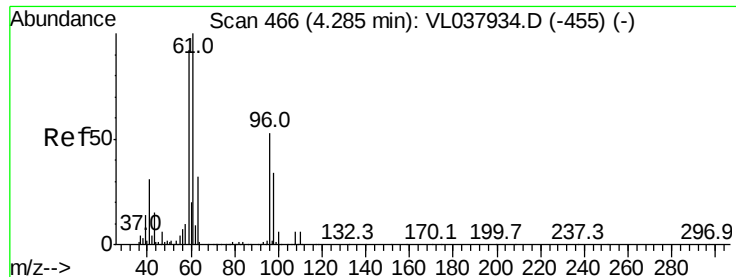
Tot Ion: 43 Resp: 57758
Ion Ratio Lower Upper
43 100
58 33.6 23.3 34.9



#16
1,3-Butadiene
Concen: 0.490 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

Tgt Ion: 39 Resp: 44164
Ion Ratio Lower Upper
39 100
54 80.7 62.6 93.8





#17

tert-Butyl alcohol

Concen: 0.248 ppbv

RT: 4.31

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

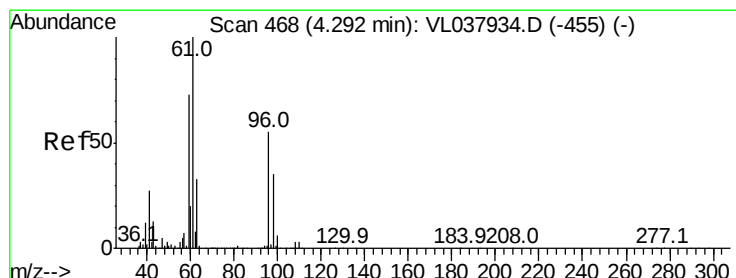
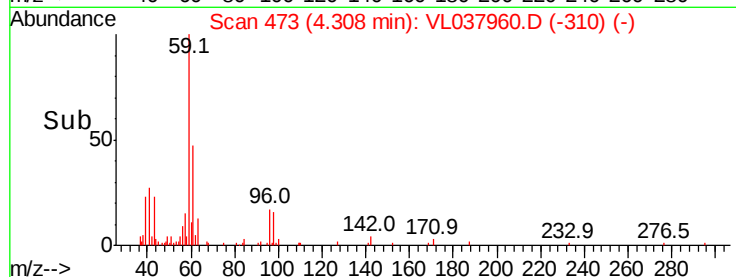
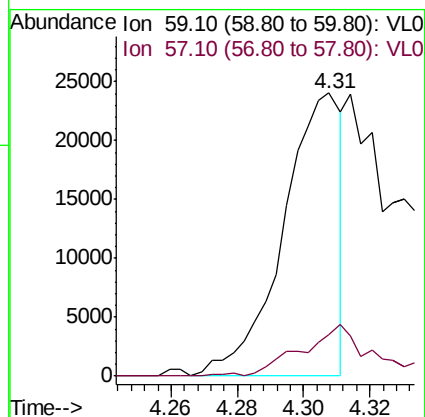
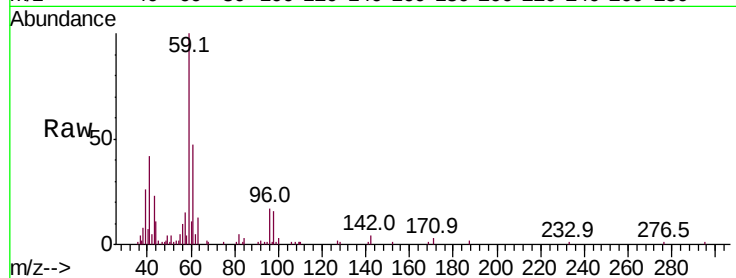
Acq: 2 Nov 2021 5:20

Tot Ion: 59 Resp: 29421

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#18

1,1-Dichloroethene

Concen: 0.470 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

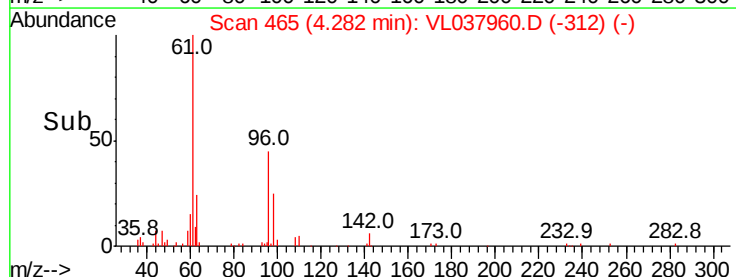
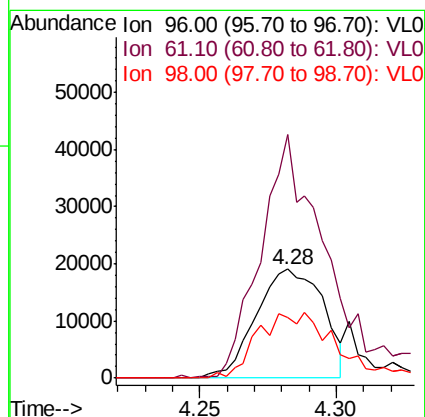
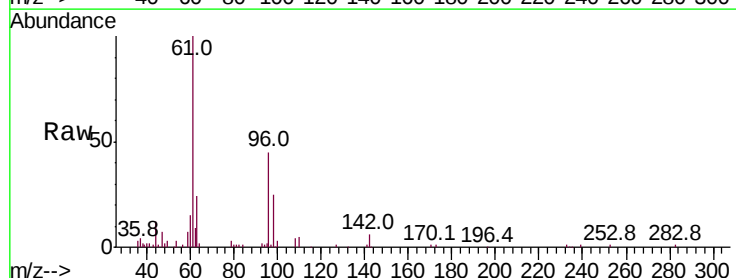
Tgt Ion: 96 Resp: 32700

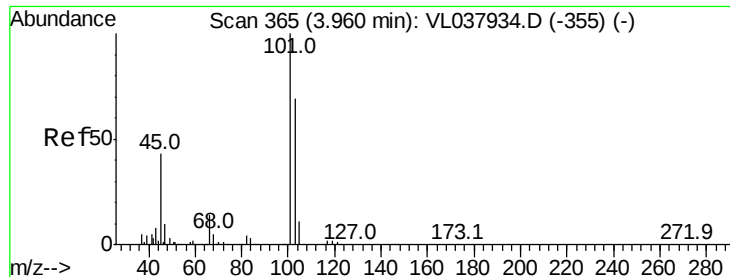
Ion Ratio Lower Upper

96 100

61 223.8 144.3 216.5#

98 55.5 50.5 75.7





#19

Isopropyl Alcohol

Concen: 0.327 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

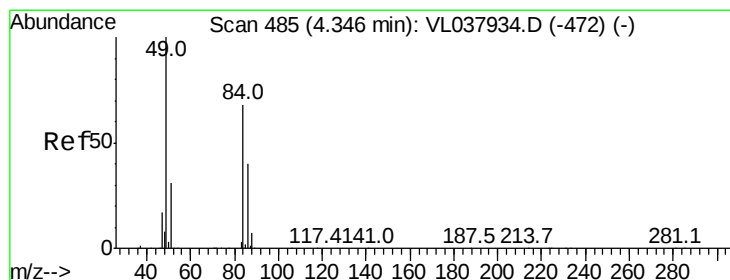
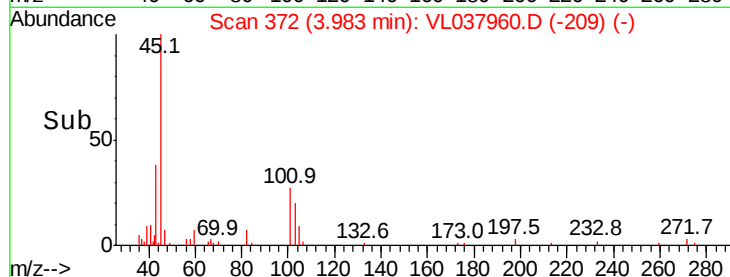
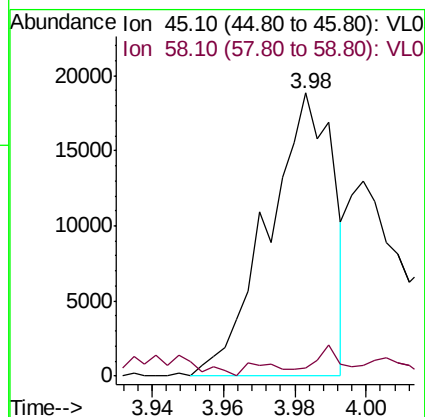
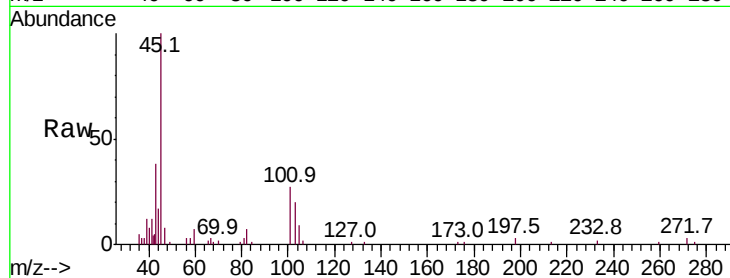
Acq: 2 Nov 2021 5:20

Tot Ion: 45 Resp: 23890

Ion Ratio Lower Upper

45 100

58 12.6 4.0 6.0#



#20

Methylene Chloride

Concen: 0.614 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

Tgt Ion: 84 Resp: 38547

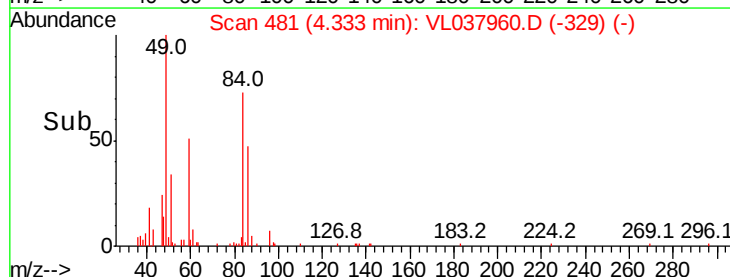
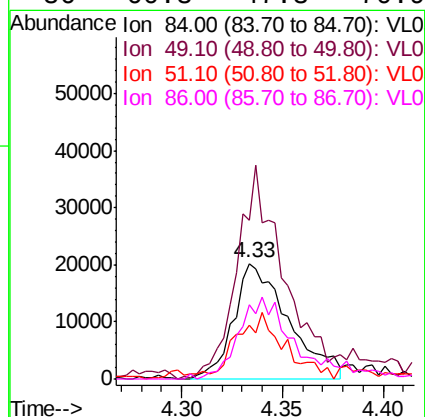
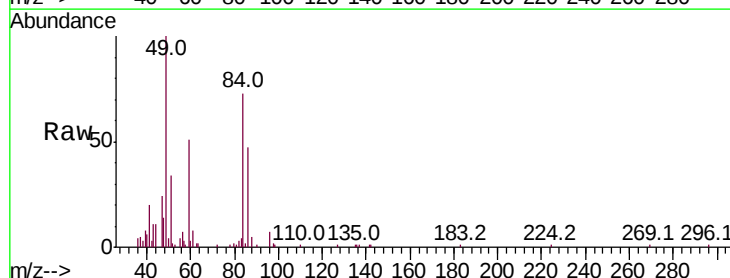
Ion Ratio Lower Upper

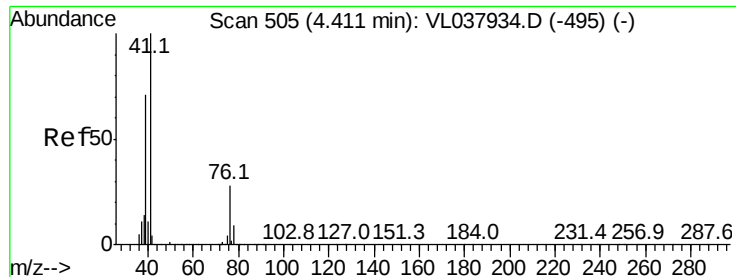
84 100

49 142.5 117.5 176.3

51 45.1 35.9 53.9

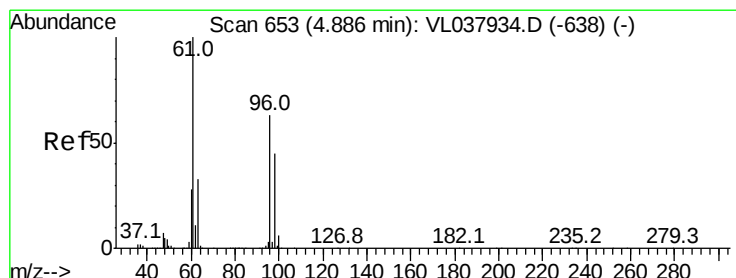
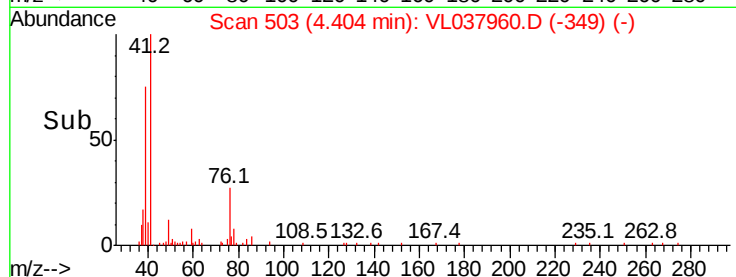
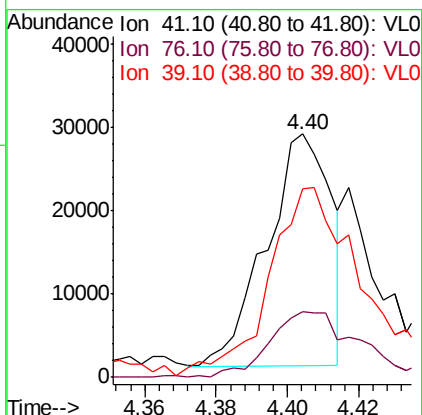
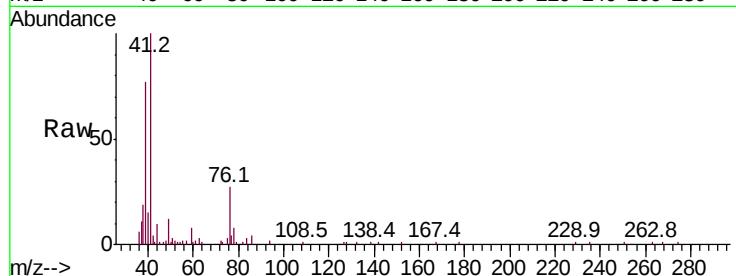
86 60.3 47.3 70.9





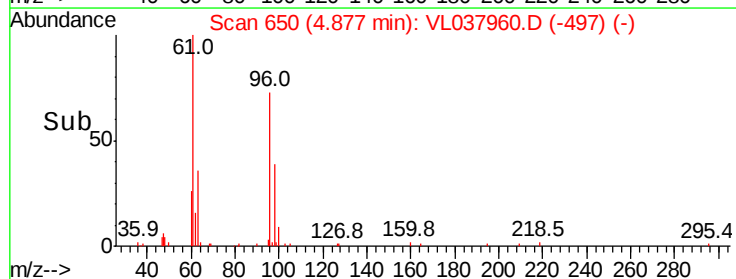
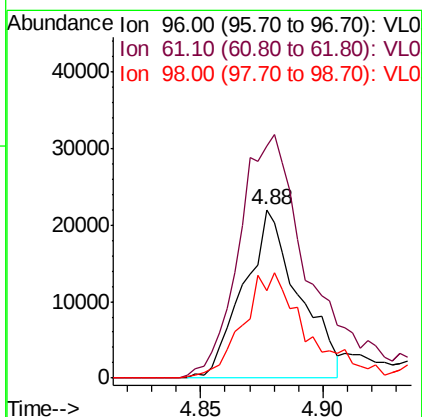
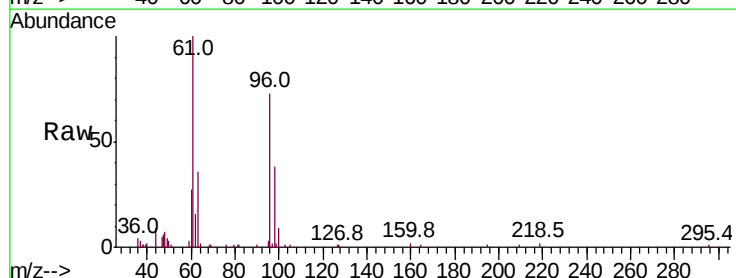
#21
Allvl Chloride
Concen: 0.333 ppbv
RT: 4.40
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 5:20

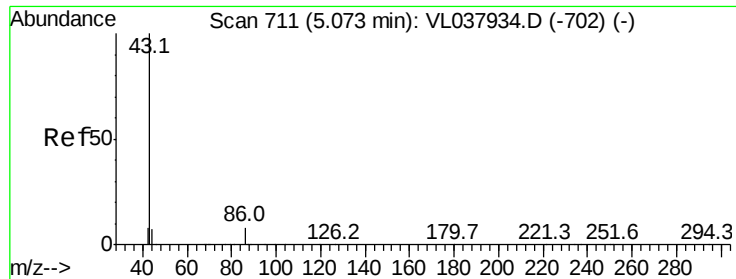
Tot Ion: 41 Resp: 35091
Ion Ratio Lower Upper
41 100
76 44.3 23.6 35.4#
39 136.7 59.7 89.5#



#22
trans-1,2-Dichloroethene
Concen: 0.500 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

Tgt Ion: 96 Resp: 34574
Ion Ratio Lower Upper
96 100
61 136.0 127.8 191.6
98 51.5 56.9 85.3#





#23

Vinyl Acetate

Concen: 0.411 ppbv

RT: 5.08 Instrument: MSVOA_1

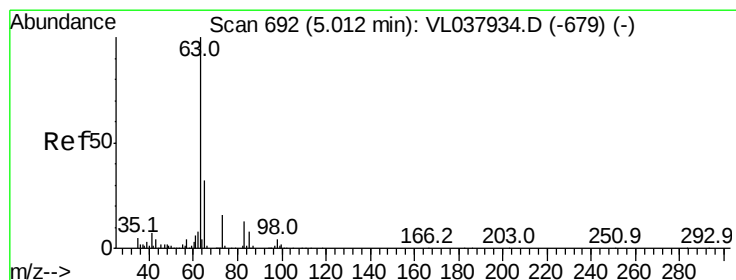
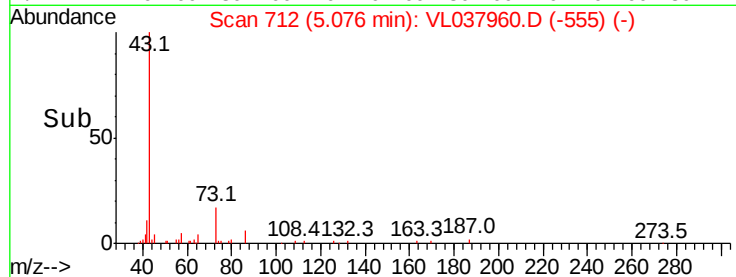
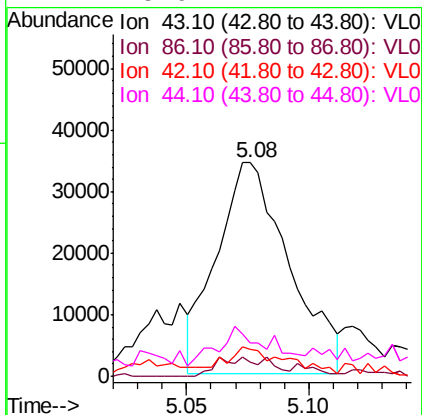
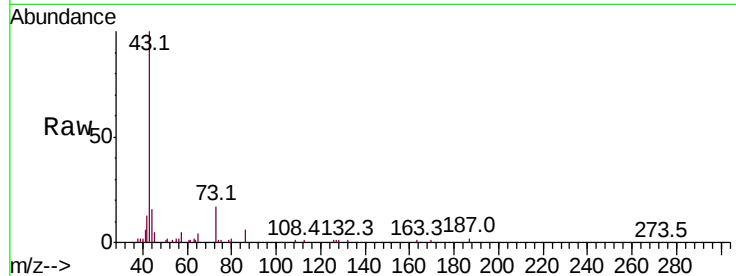
Delta R.T.

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

Tot Ion: 43 Resp: 70793

Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.5	8.3
42	14.1	7.4	11.2#
44	13.6	4.7	7.1#



#24

1,1-Dichloroethane

Concen: 0.427 ppbv

RT: 5.00 min Scan# 689

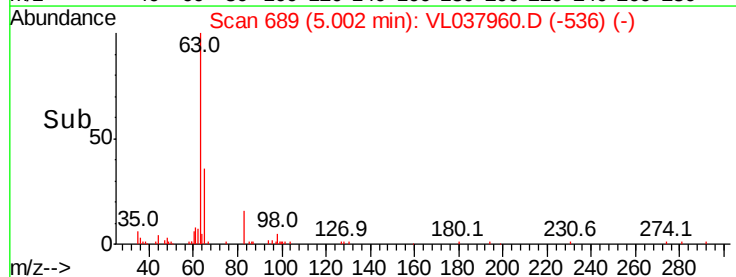
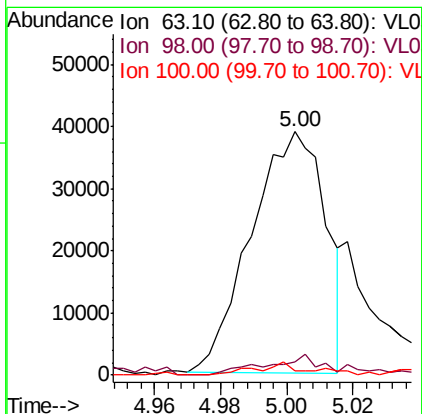
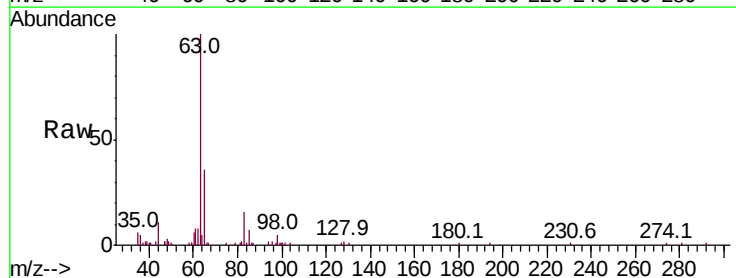
Delta R.T. -0.01 min

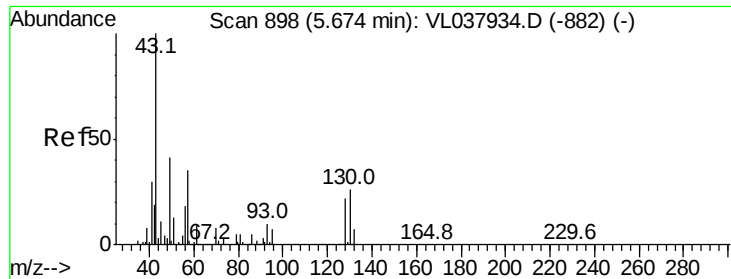
Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

Tgt Ion: 63 Resp: 60682

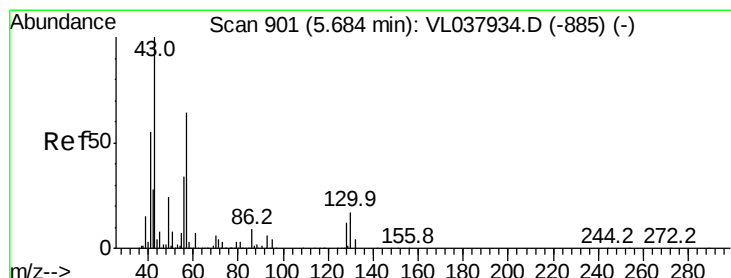
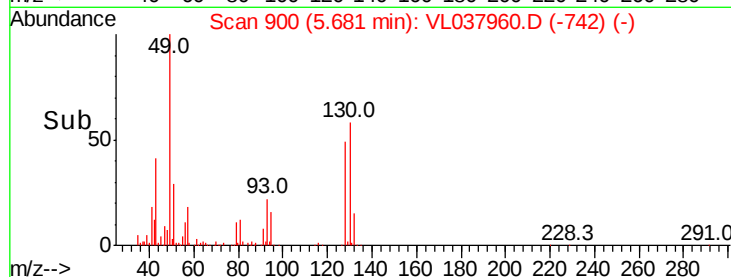
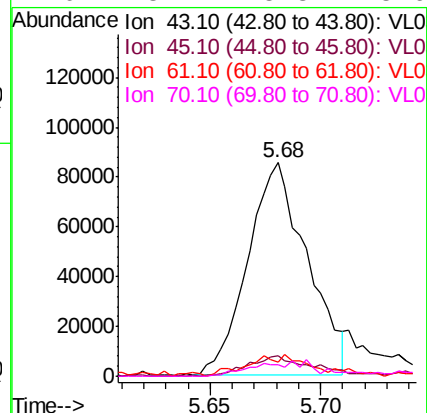
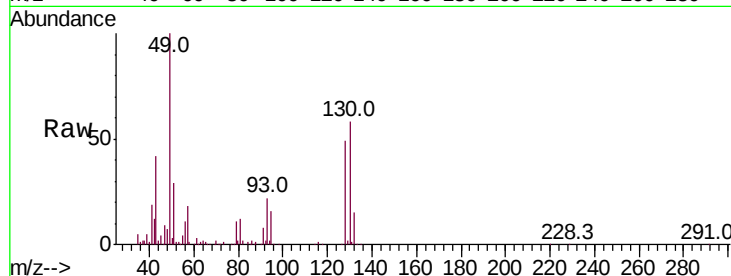
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.3	6.9
100	1.8	1.2	3.6





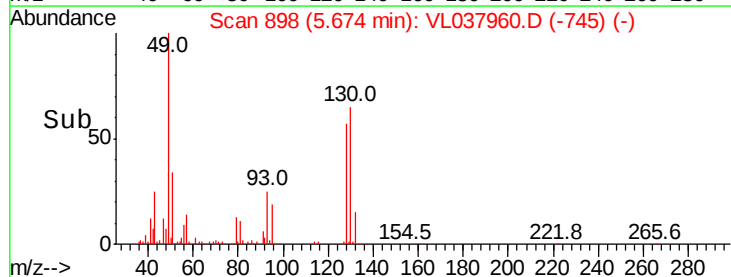
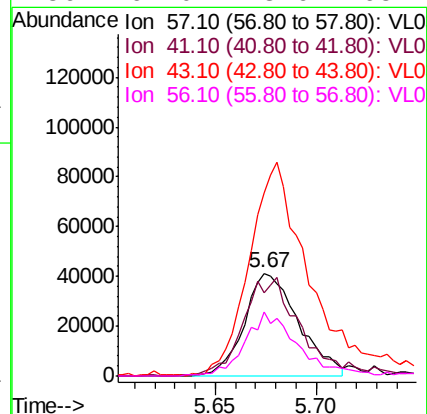
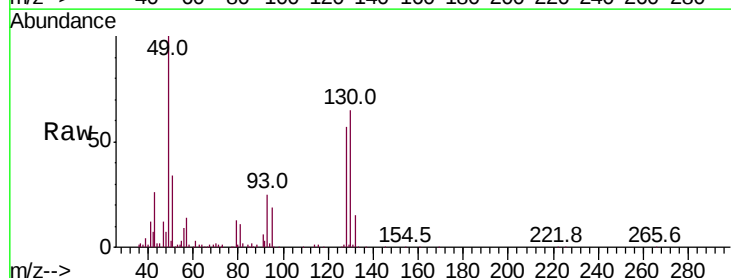
#25
Ethyl Acetate
Concen: 0.467 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 5:20

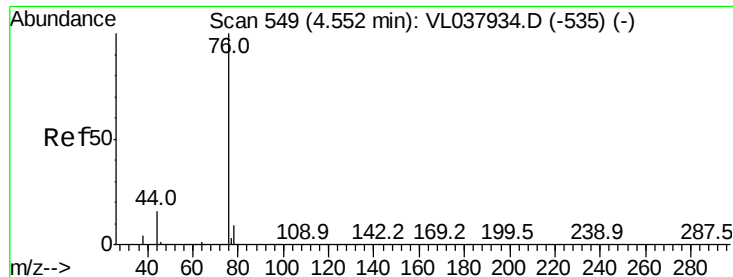
Tot Ion:	43	Resp:	158563
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	12.1	8.1	12.1
70	8.1	5.8	8.6



#26
Hexane
Concen: 0.482 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

Tgt Ion:	57	Resp:	77586
Ion	Ratio	Lower	Upper
57	100		
41	105.2	71.0	106.6
43	248.5	173.0	259.6
56	62.0	43.6	65.4





#27

Carbon Disulfide

Concen: 0.400 ppbv

RT: 4.55 Instrument: MSVOA_1

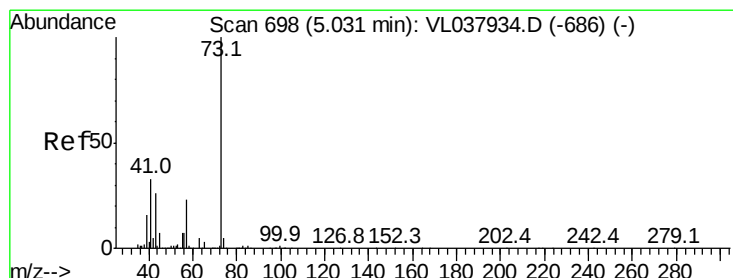
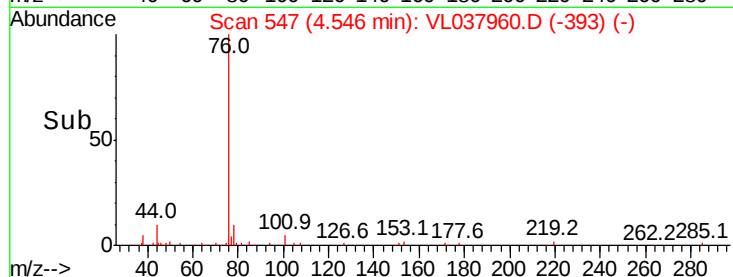
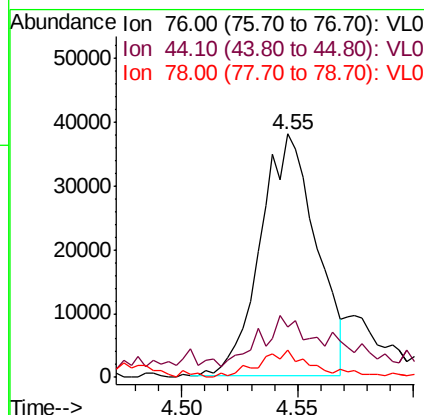
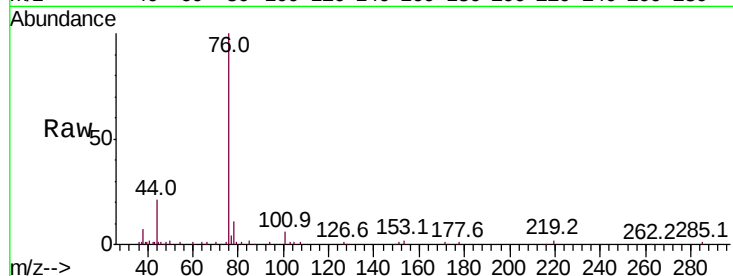
Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-QT4-2021

Acq: 2 Nov 2021 5:20

Tot Ion: 76 Resp: 63526

Ion	Ratio	Lower	Upper
76	100		
44	25.3	13.2	19.8#
78	12.7	7.2	10.8#



#28

Methyl tert-Butyl Ether

Concen: 0.191 ppbv

RT: 5.03 min Scan# 699

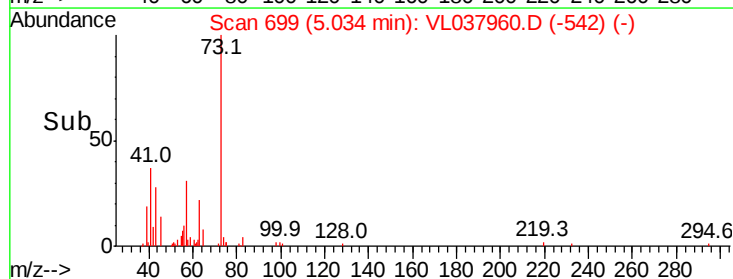
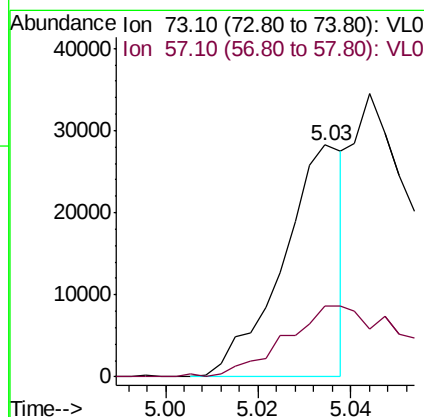
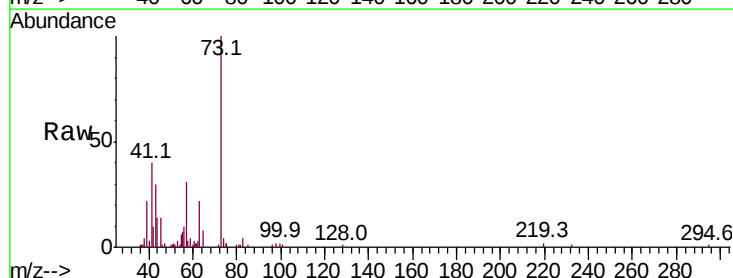
Delta R.T. 0.00 min

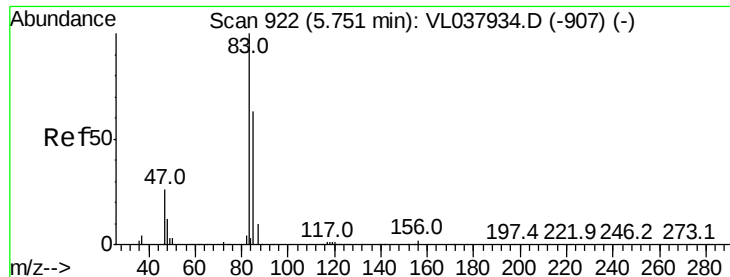
Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

Tgt Ion: 73 Resp: 25780

Ion	Ratio	Lower	Upper
73	100		
57	70.7	20.1	30.1#





#29

Chloroform

Concen: 0.539 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

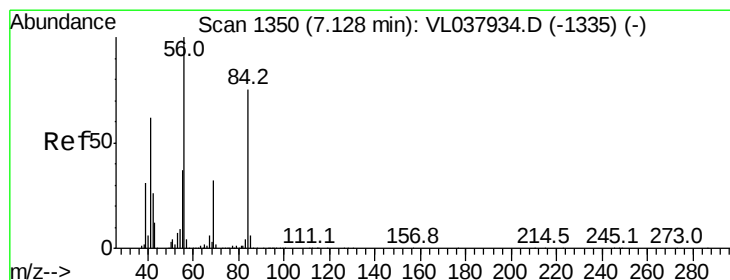
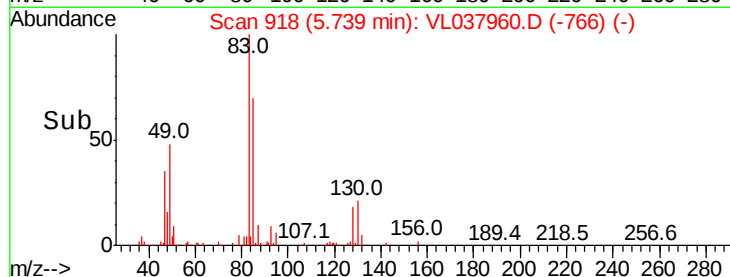
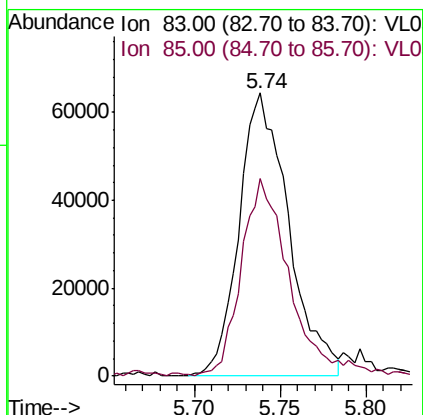
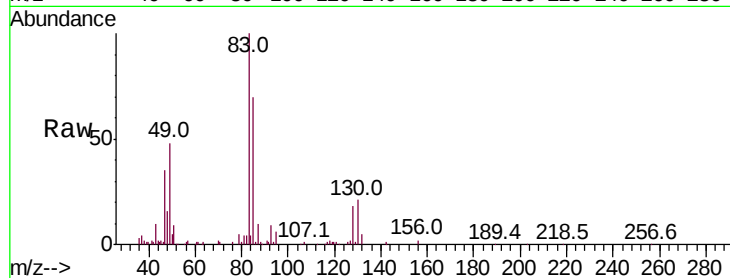
Acq: 2 Nov 2021 5:20 LOQ-AIR-02-OT4-2021

Tot Ion: 83 Resp: 129216

Ion Ratio Lower Upper

83 100

85 69.1 50.6 76.0



#30

Cyclohexane

Concen: 0.407 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

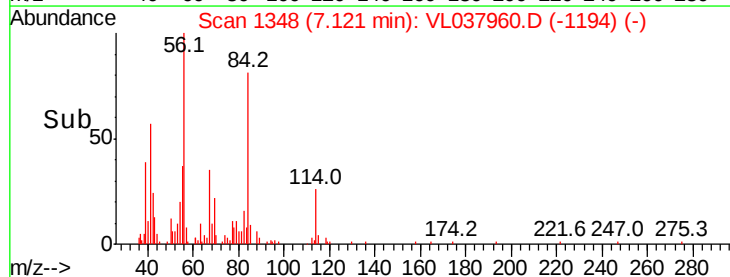
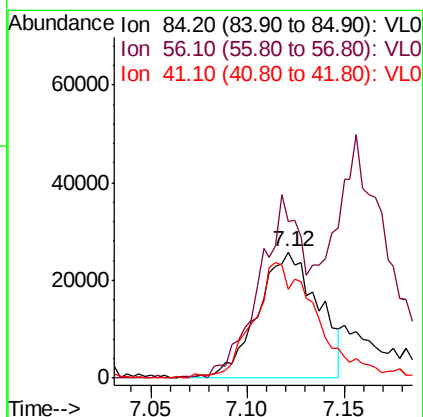
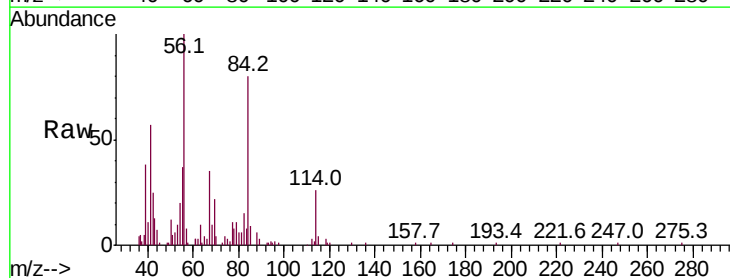
Tgt Ion: 84 Resp: 55952

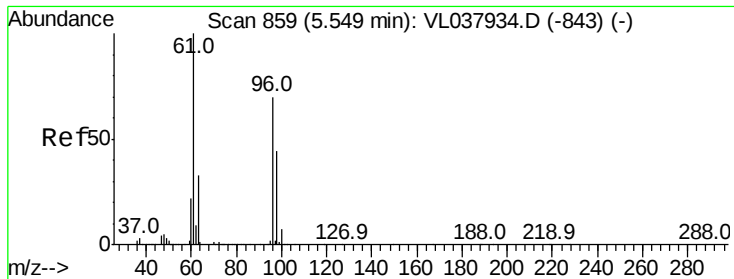
Ion Ratio Lower Upper

84 100

56 118.0 114.0 171.0

41 98.2 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 0.156 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

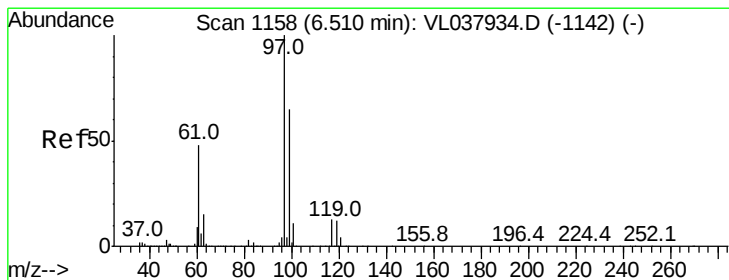
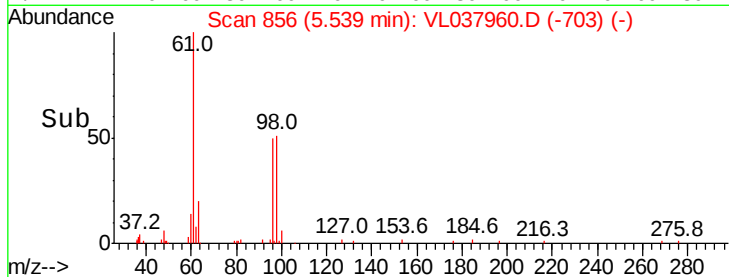
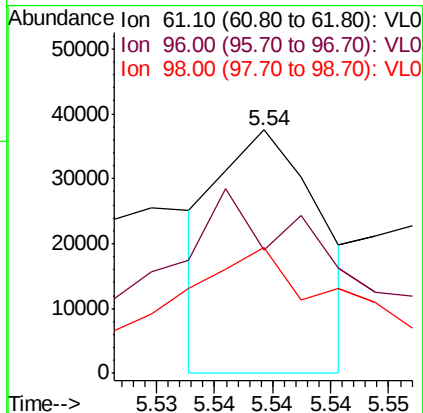
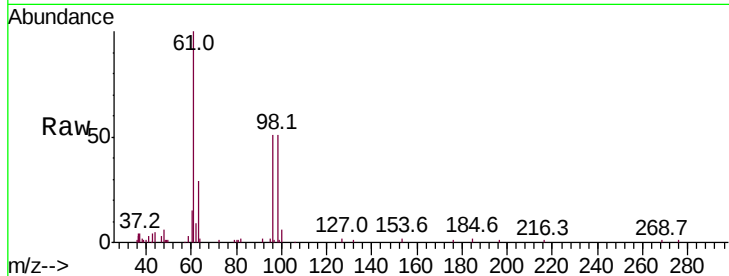
Tot Ion: 61 Resp: 22845

Ion Ratio Lower Upper

61 100

96 14.9 55.6 83.4#

98 35.3 34.9 52.3



#32

1,1,1-Trichloroethane

Concen: 0.473 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

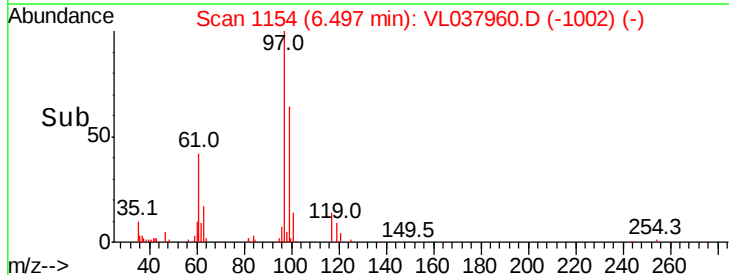
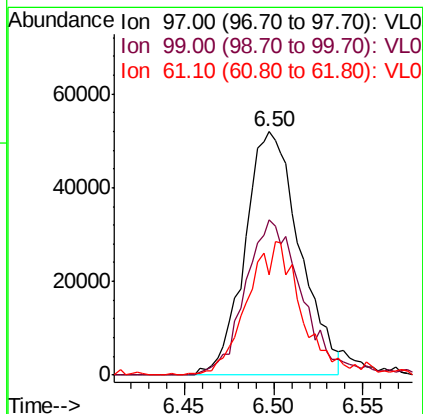
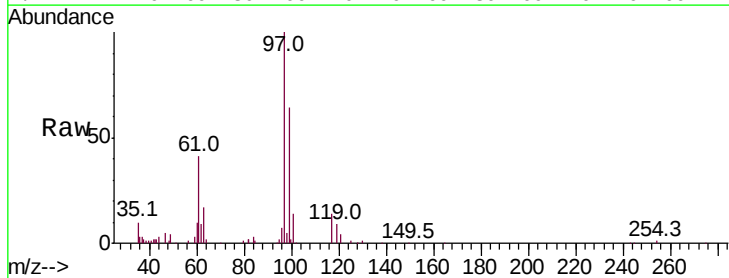
Tgt Ion: 97 Resp: 111466

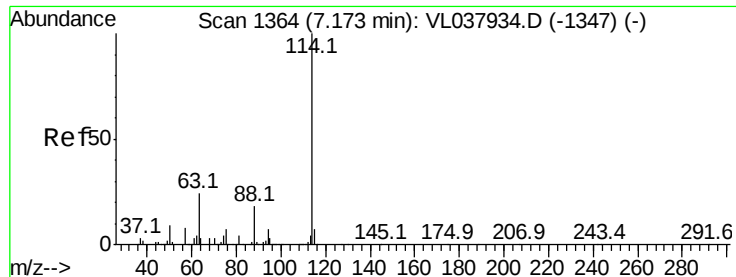
Ion Ratio Lower Upper

97 100

99 67.7 52.2 78.4

61 56.3 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument: MSVOA_1

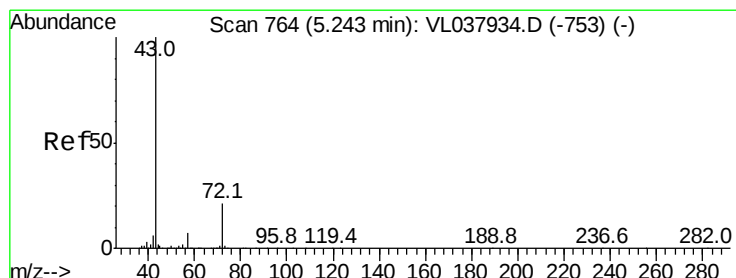
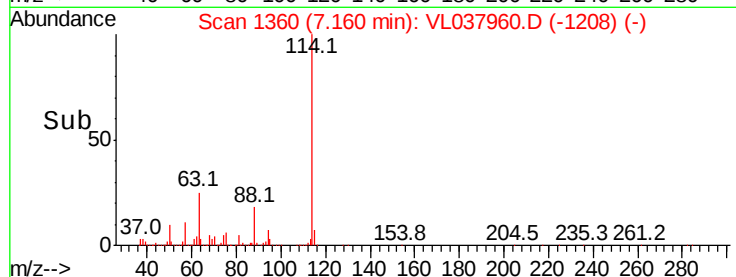
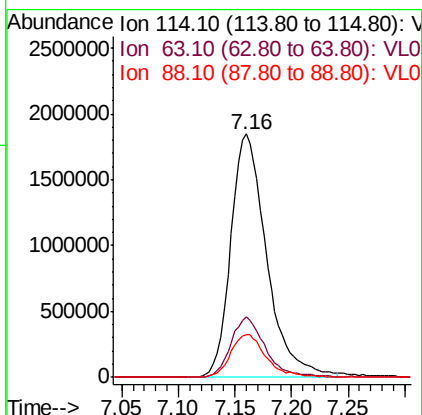
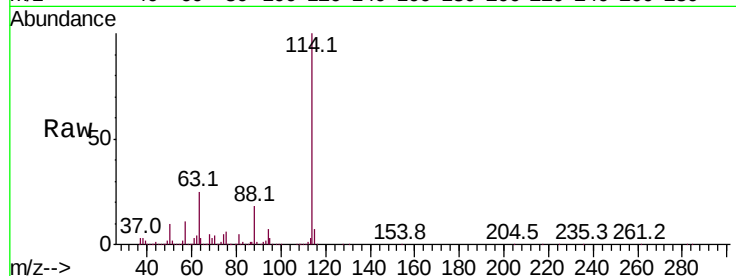
Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-QT4-2021

Acq: 2 Nov 2021 5:20

Tot Ion:114 Resp: 4078709

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.4	29.0
88	17.8	14.2	21.4



#34

2-Butanone

Concen: 0.130 ppbv

RT: 5.25 min Scan# 765

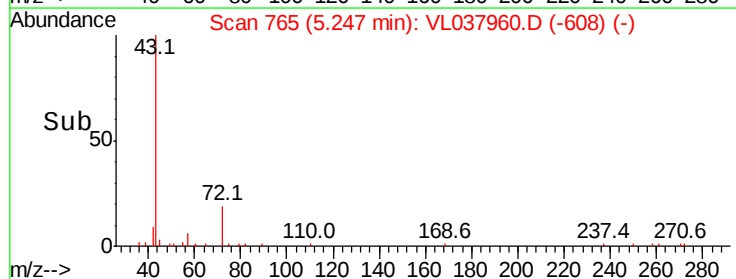
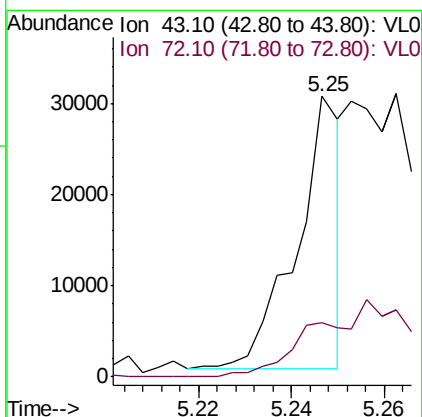
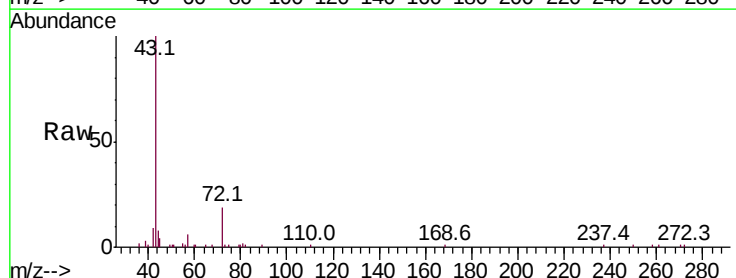
Delta R.T. 0.00 min

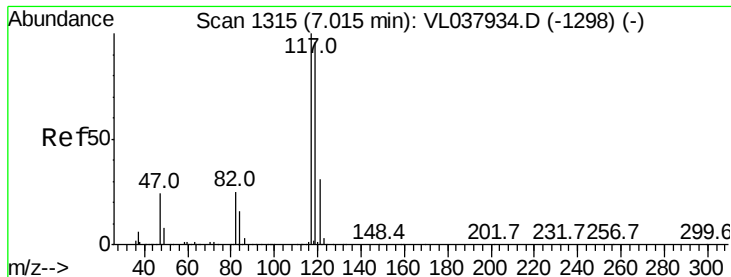
Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

Tgt Ion: 43 Resp: 19641

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.3	27.5#





#35

Carbon Tetrachloride

Concen: 0.441 ppbv

RT: 7.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20 LOQ-AIR-02-OT4-2021

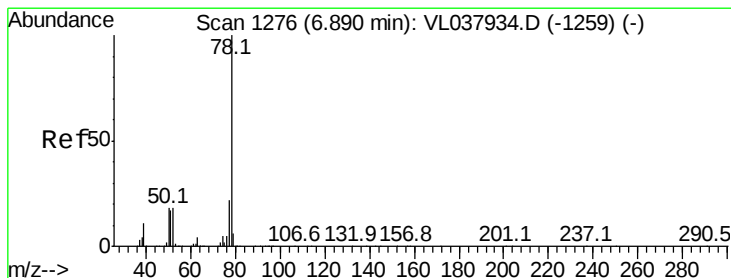
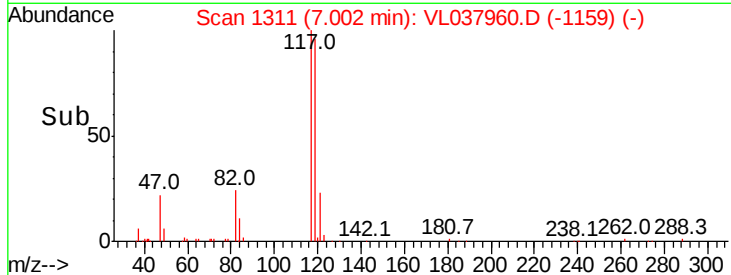
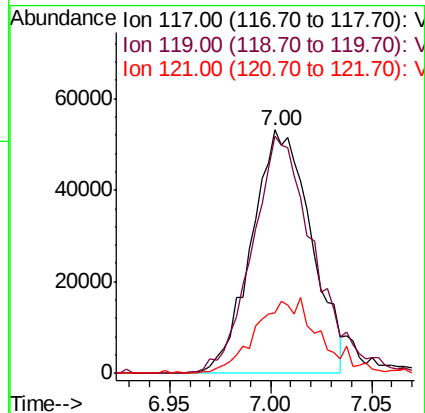
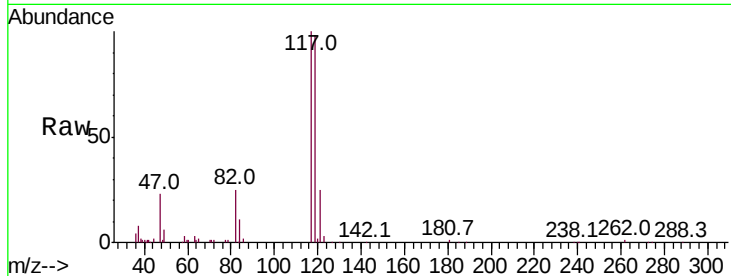
Tot Ion:117 Resp: 108780

Ion Ratio Lower Upper

117 100

119 97.2 76.6 114.8

121 24.7 25.1 37.7#



#36

Benzene

Concen: 0.470 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

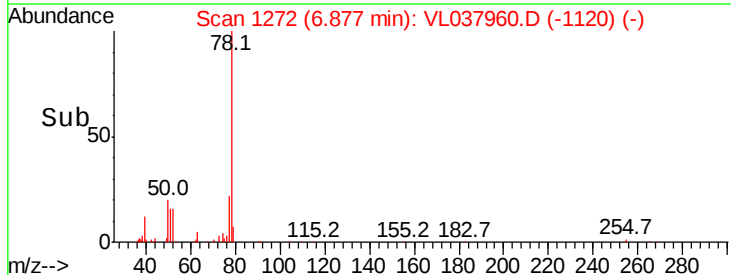
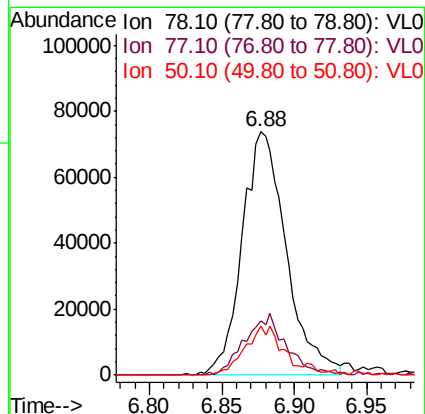
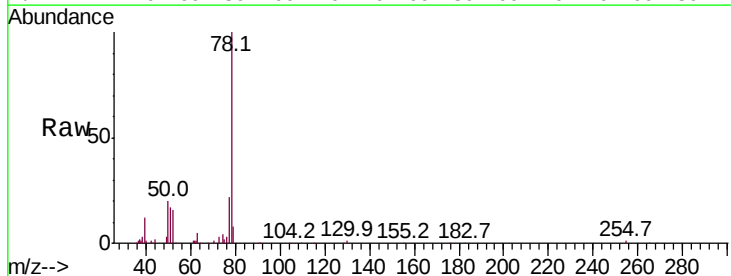
Tgt Ion: 78 Resp: 156278

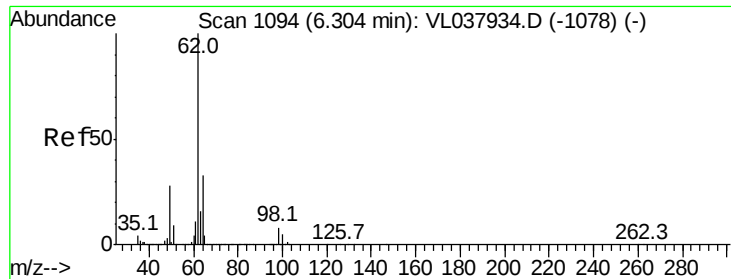
Ion Ratio Lower Upper

78 100

77 22.2 17.9 26.9

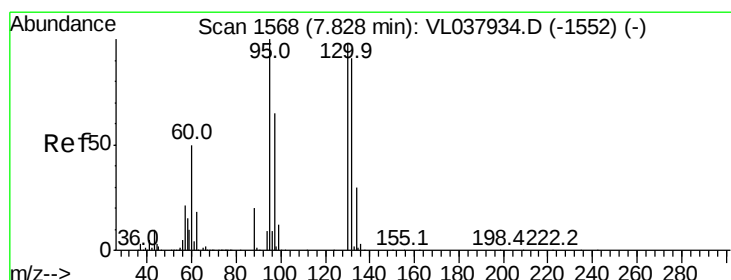
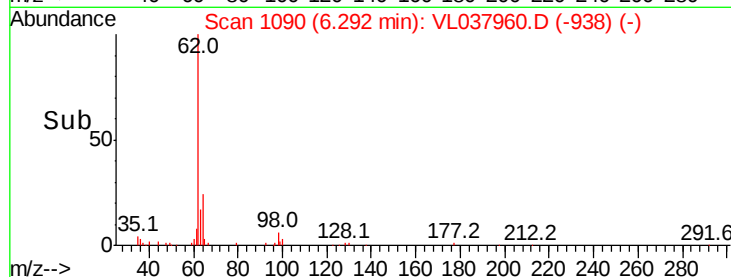
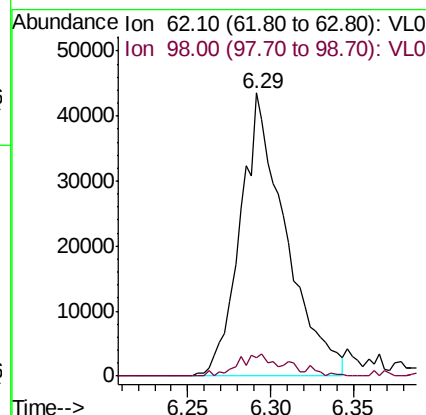
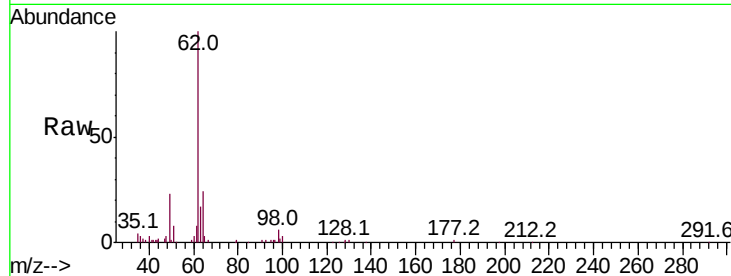
50 20.4 14.4 21.6





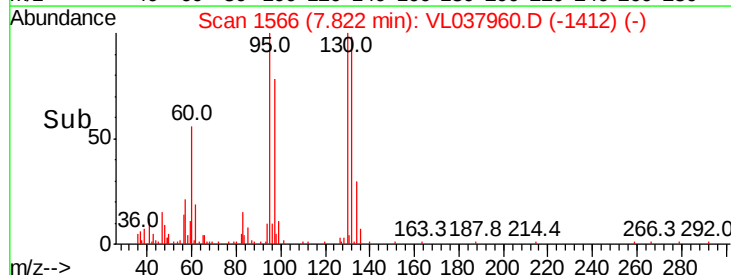
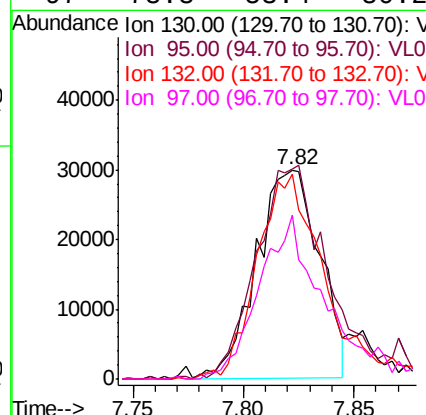
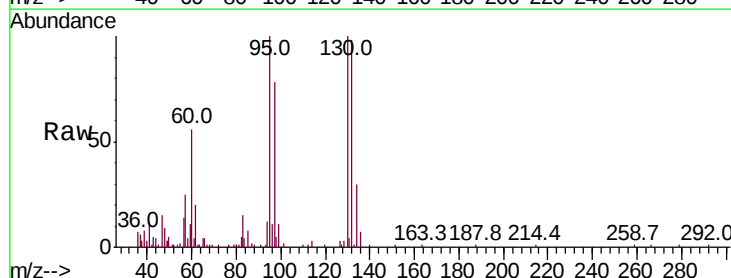
#37
 1,2-Dichloroethane
 Concen: 0.524 ppbv
 RT: 6.29
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:20

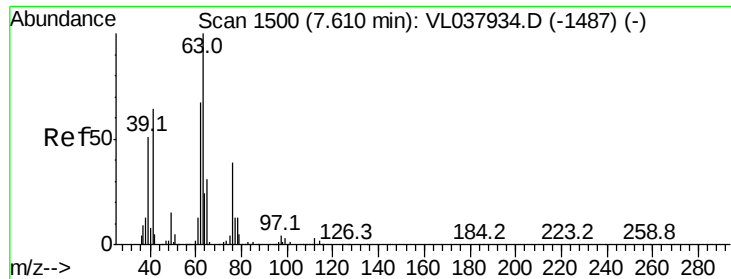
Tot Ion: 62 Resp: 82692
 Ion Ratio Lower Upper
 62 100
 98 8.3 6.5 9.7



#38
 Trichloroethene
 Concen: 0.429 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL037960.D
 Acq: 2 Nov 2021 5:20

Tgt Ion: 130 Resp: 59160
 Ion Ratio Lower Upper
 130 100
 95 100.6 81.8 122.8
 132 98.7 74.2 111.2
 97 78.8 53.4 80.2





#39

1,2-Dichloropropane

Concen: 0.508 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

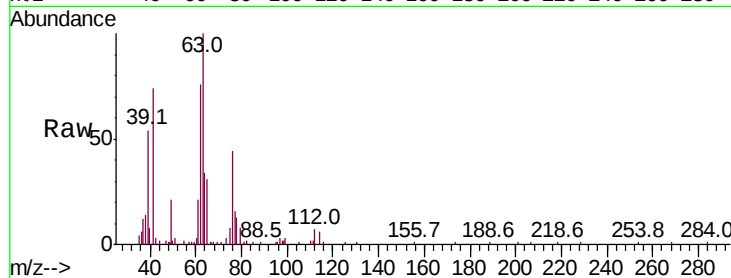
Tot Ion: 63 Resp: 63457

Ion Ratio Lower Upper

63 100

41 73.5 51.6 77.4

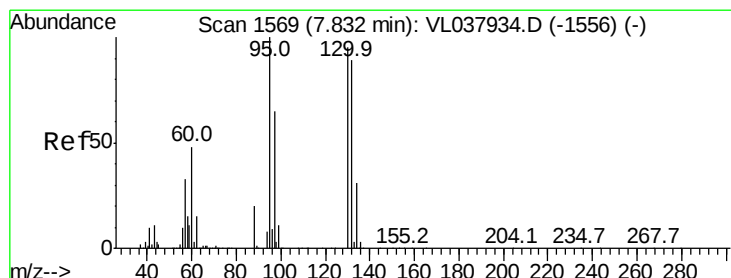
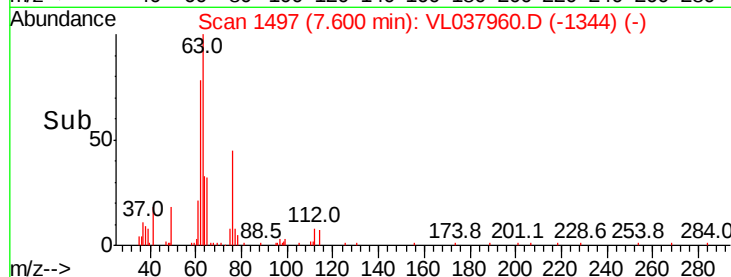
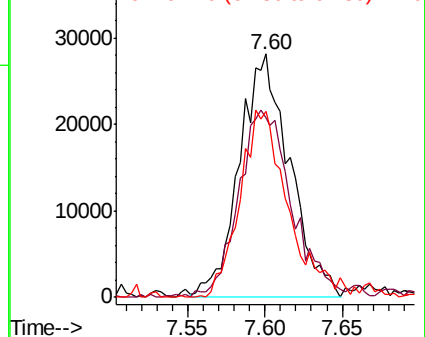
62 76.2 53.5 80.3



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.008 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

Tgt Ion: 88 Resp: 275

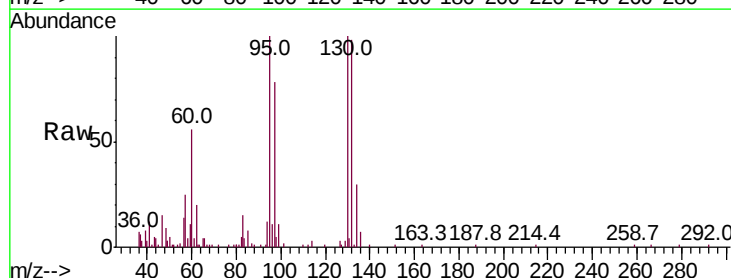
Ion Ratio Lower Upper

88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#

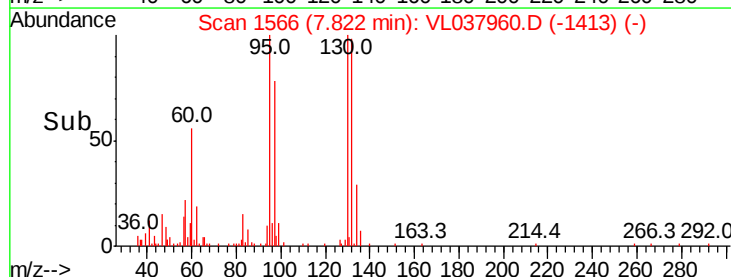
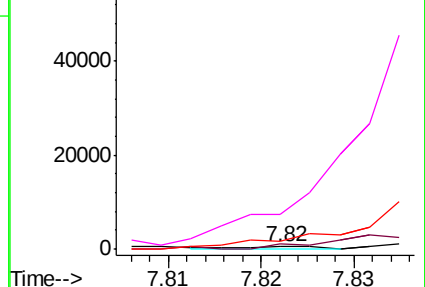


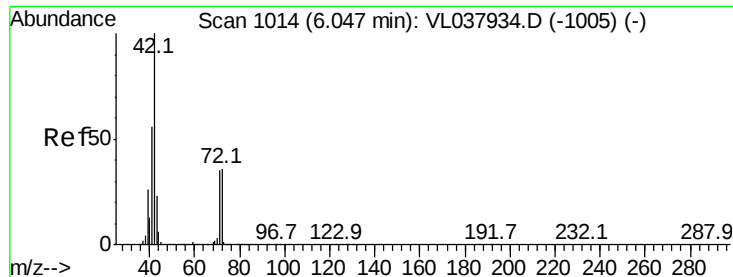
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.032 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-OT4-2021

Acq: 2 Nov 2021 5:20

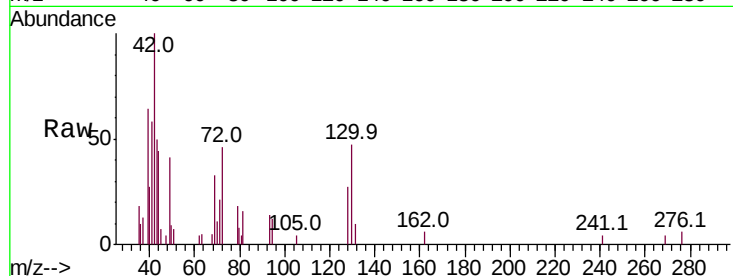
Tot Ion: 42 Resp: 2346

Ion Ratio Lower Upper

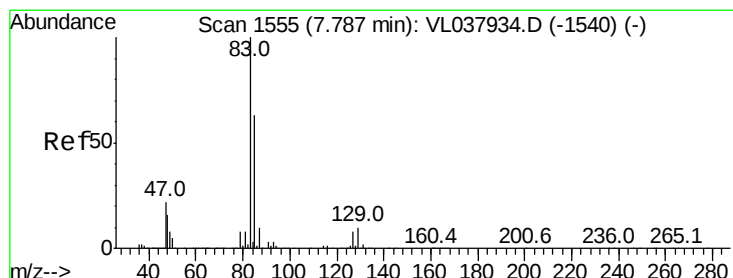
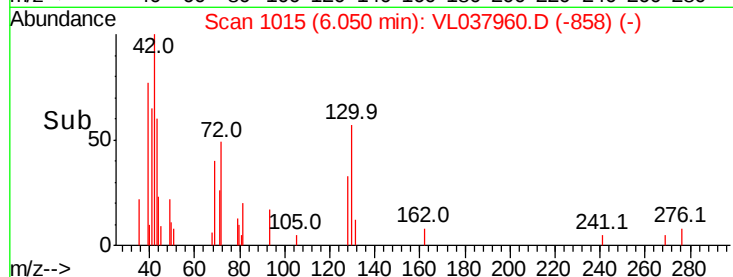
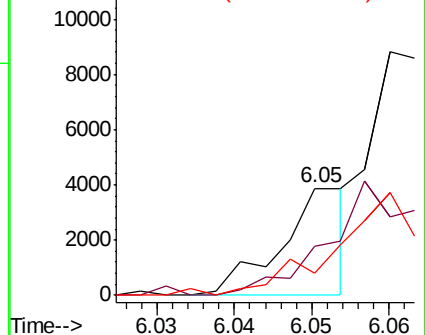
42 100

72 492.6 31.5 47.3#

71 0.0 30.5 45.7#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.449 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

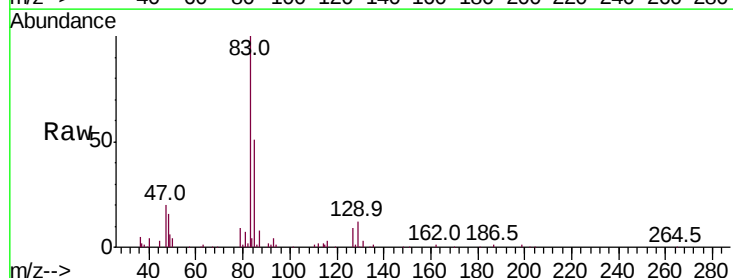
Tgt Ion: 83 Resp: 107178

Ion Ratio Lower Upper

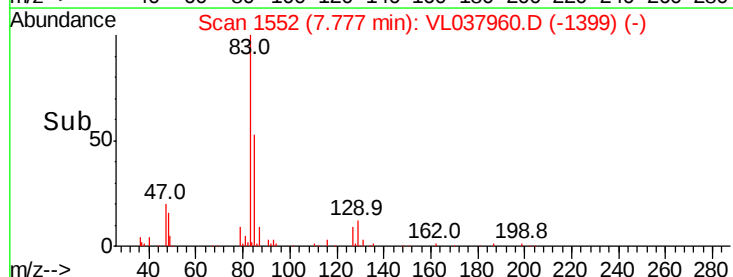
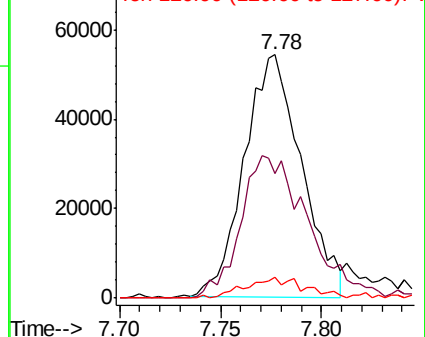
83 100

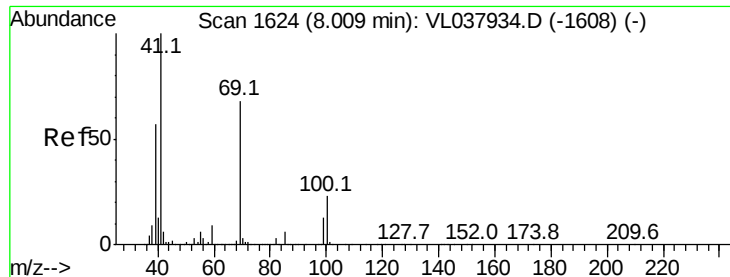
85 51.7 50.1 75.1

127 8.6 6.1 9.1



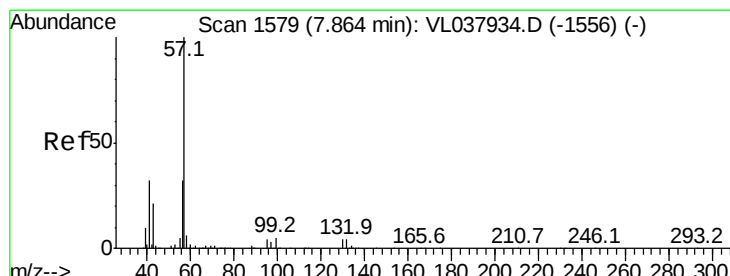
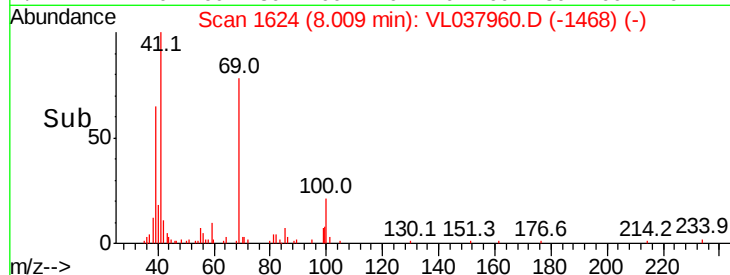
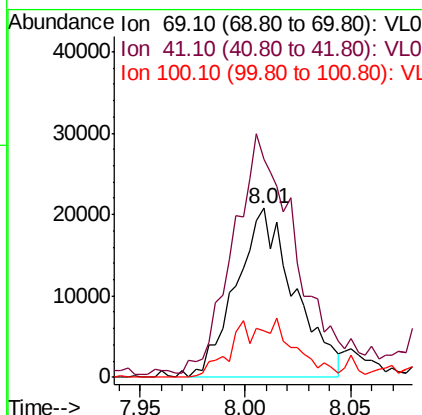
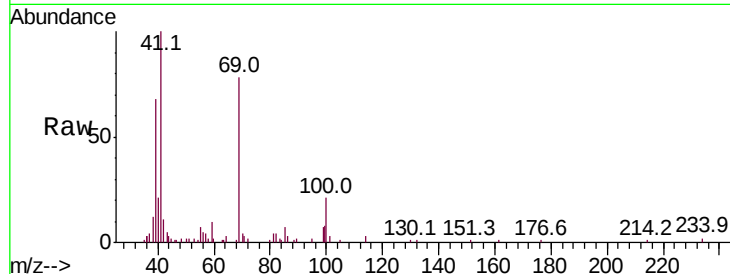
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





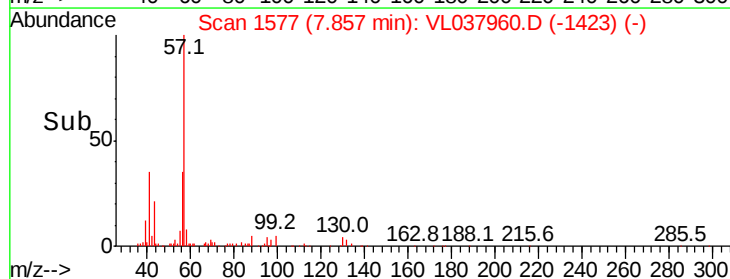
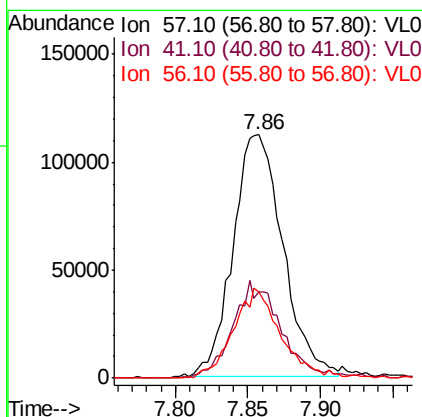
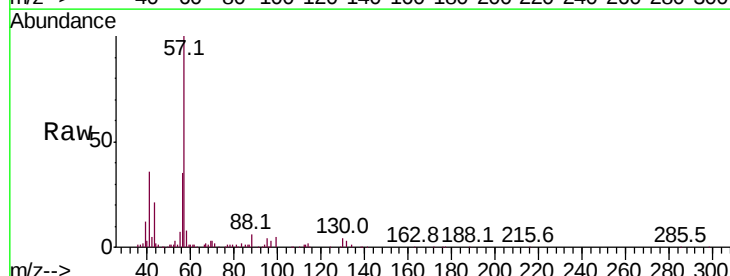
#43
Methvl Methacrvlate
Concen: 0.368 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Nov 2021 5:20

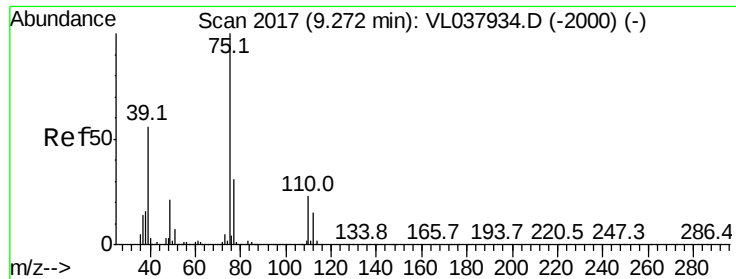
Tot Ion: 69 Resp: 40069
Ion Ratio Lower Upper
69 100
41 158.2 117.4 176.2
100 34.7 27.8 41.6



#44
2,2,4-Trimethylpentane
Concen: 0.473 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

Tgt Ion: 57 Resp: 267195
Ion Ratio Lower Upper
57 100
41 39.3 25.8 38.8#
56 35.8 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.274 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

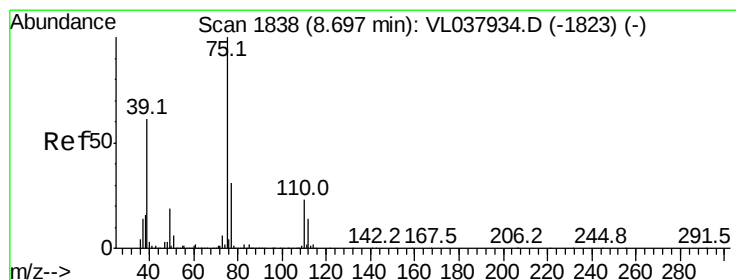
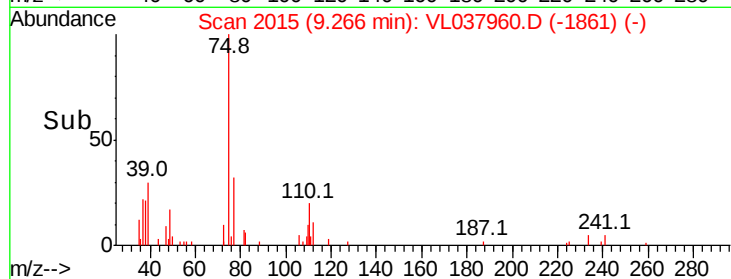
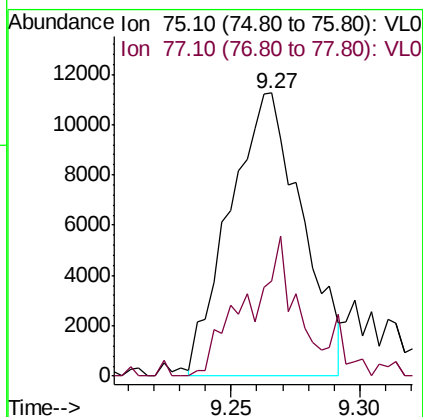
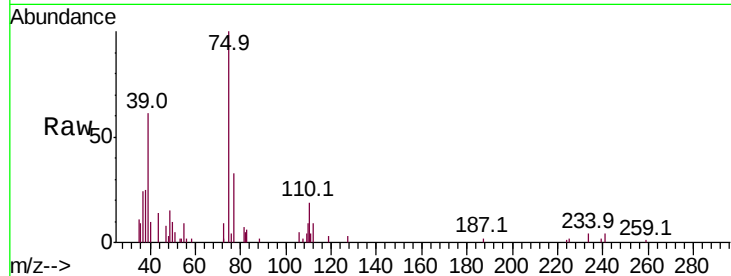
Acq: 2 Nov 2021 5:20

Tot Ion: 75 Resp: 21986

Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 0.251 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

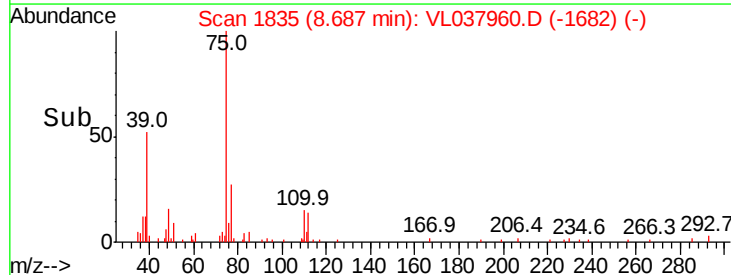
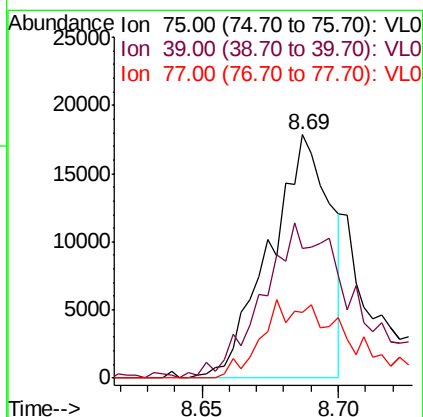
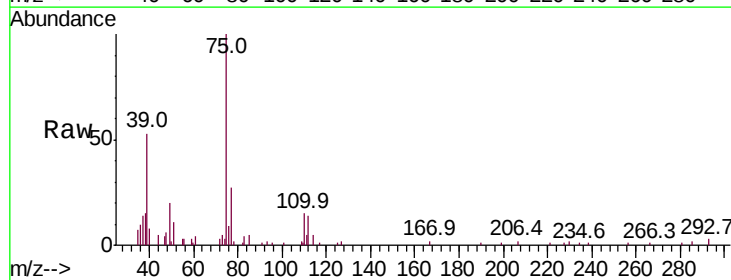
Tgt Ion: 75 Resp: 27639

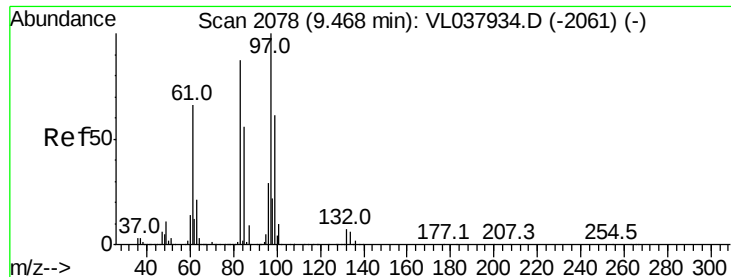
Ion Ratio Lower Upper

75 100

39 50.7 48.8 73.2

77 27.1 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 0.221 ppbv

RT: 9.45 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

Tot Ion: 97 Resp: 31009

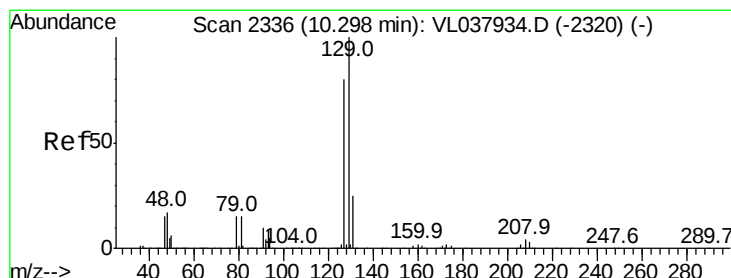
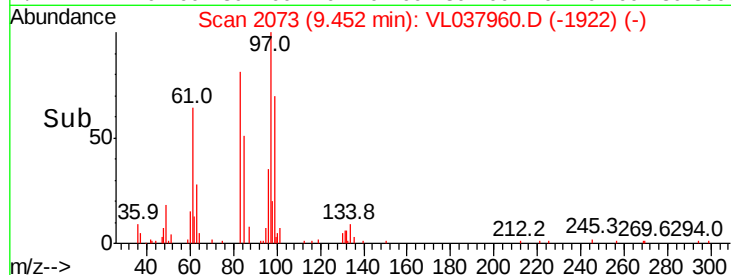
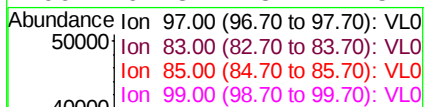
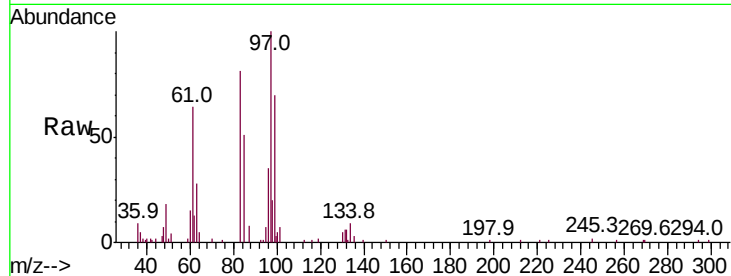
Ion Ratio Lower Upper

97 100

83 79.9 69.4 104.2

85 49.2 45.0 67.6

99 67.3 48.7 73.1



#48

Dibromochloromethane

Concen: 0.438 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. -0.01 min

Lab File: VL037960.D

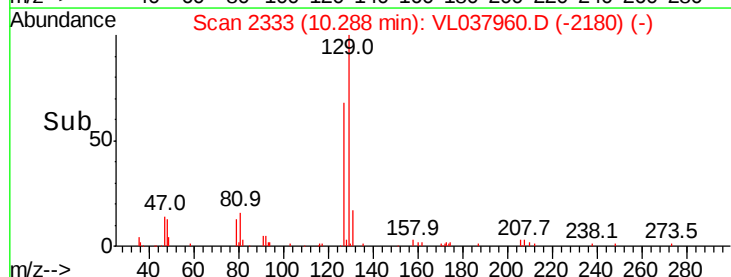
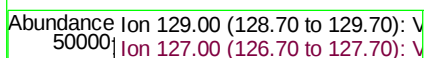
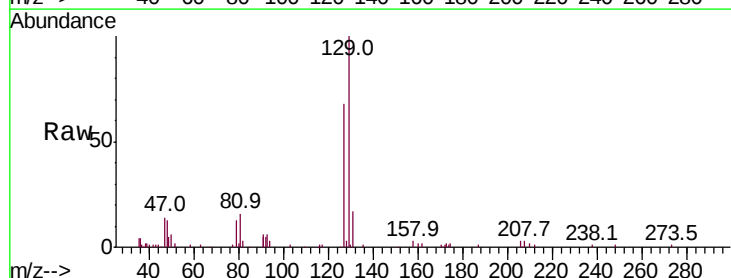
Acq: 2 Nov 2021 5:20

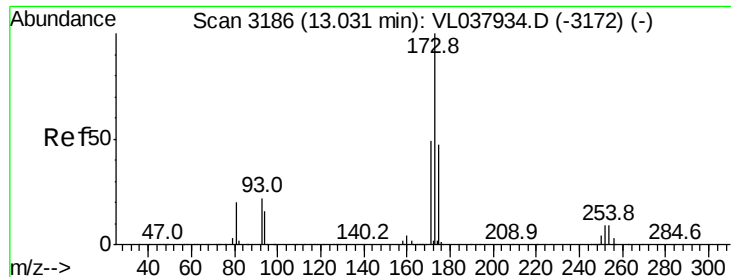
Tgt Ion: 129 Resp: 87064

Ion Ratio Lower Upper

129 100

127 78.3 40.3 120.9





#49

Bromoform

Concen: 0.182 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

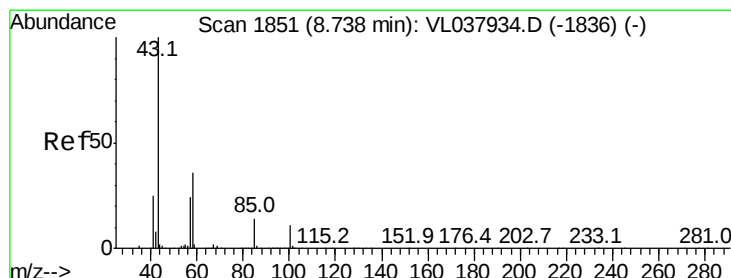
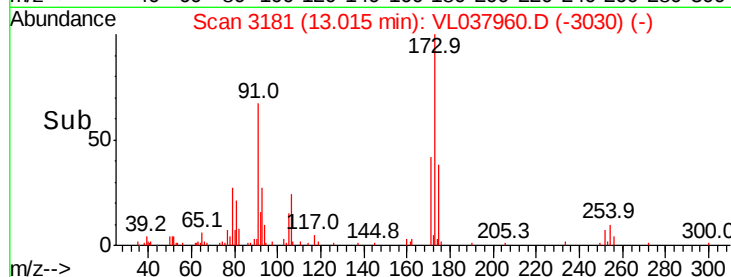
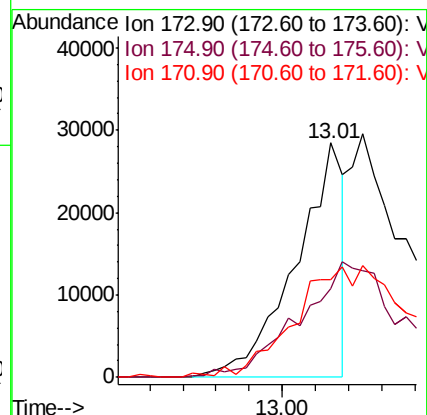
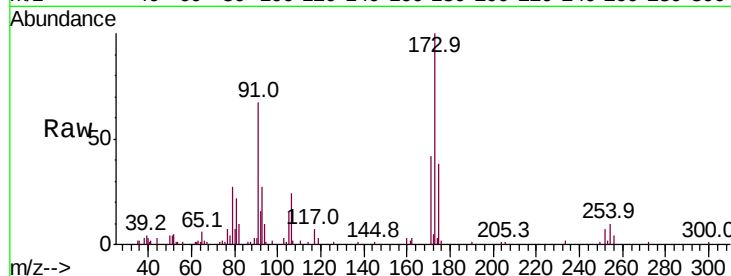
Tot Ion:173 Resp: 28580

Ion Ratio Lower Upper

173 100

175 118.6 39.5 59.3#

171 0.0 43.6 65.4#



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.03 min

Lab File: VL037960.D

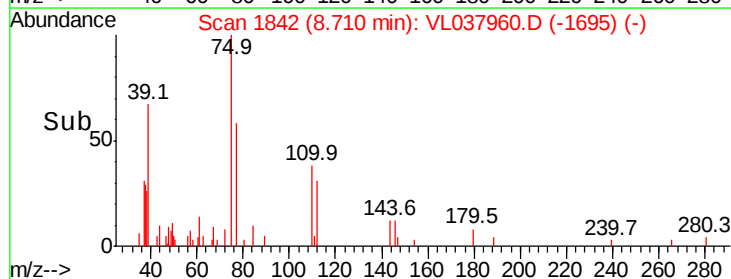
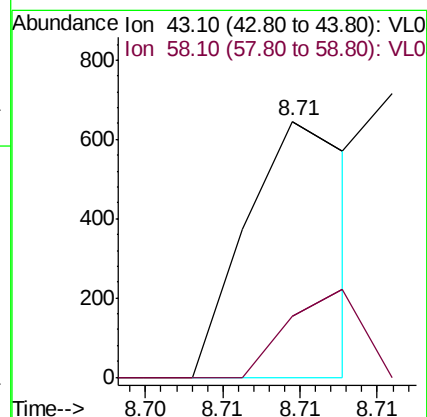
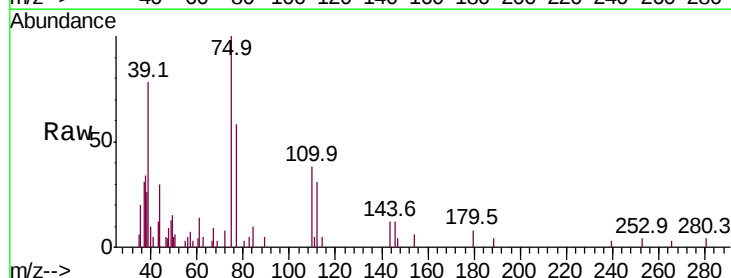
Acq: 2 Nov 2021 5:20

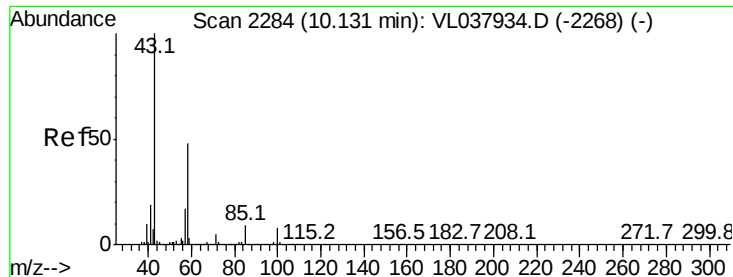
Tgt Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#





#51

2-Hexanone

Concen: 0.005 ppbv

RT: 10.11 min

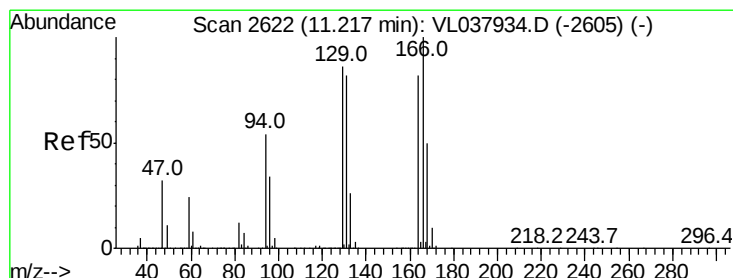
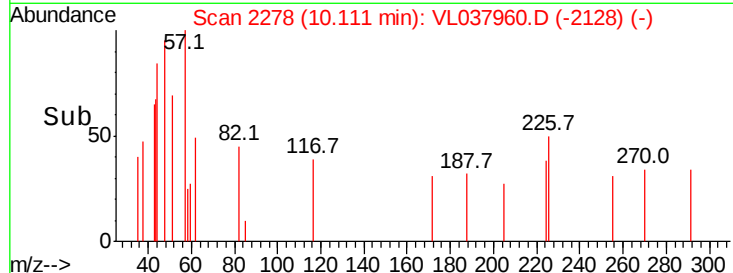
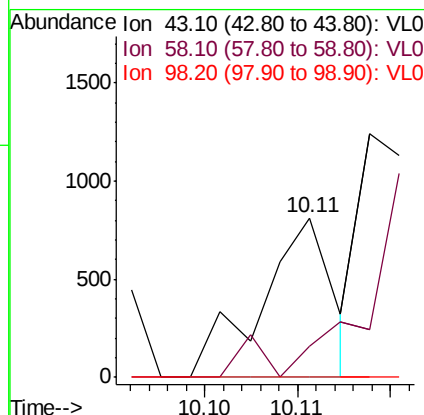
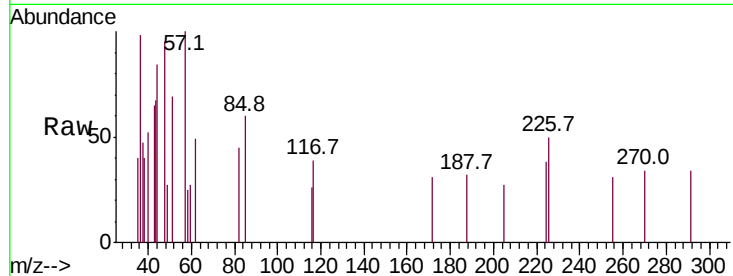
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

Tot Ion: 43 Resp: 433

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.6	57.8#
98	0.0	1.0	1.4#



#52

Tetrachloroethene

Concen: 0.219 ppbv

RT: 11.21 min Scan# 2619

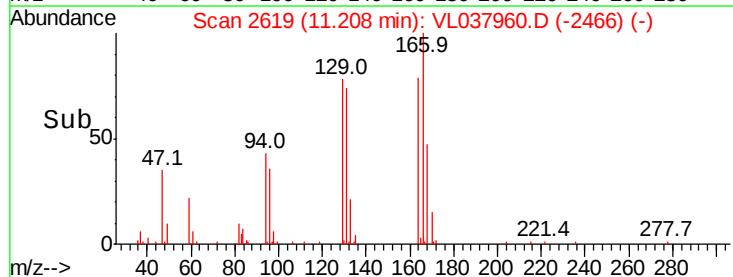
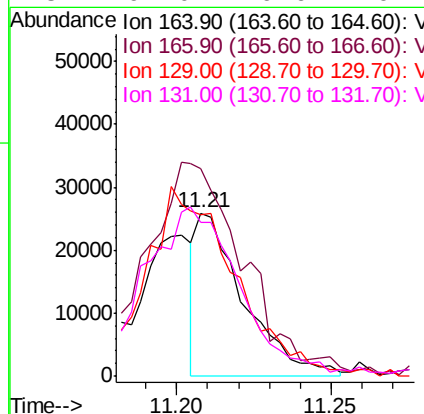
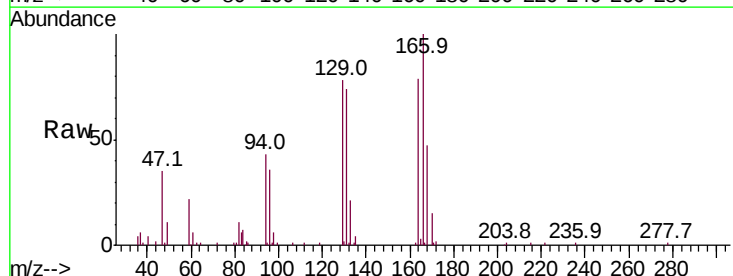
Delta R.T. -0.01 min

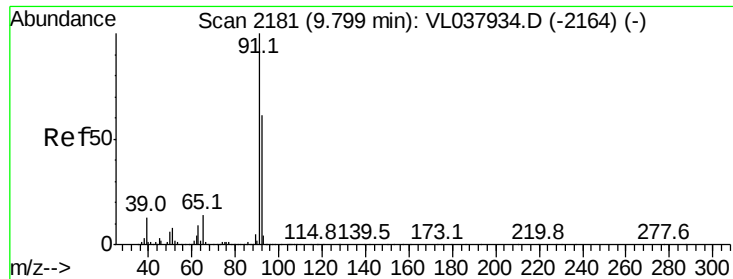
Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

Tgt Ion: 164 Resp: 27533

Ion	Ratio	Lower	Upper
164	100		
166	124.7	97.6	146.4
129	97.0	84.2	126.2
131	92.0	79.6	119.4





#53

Toluene

Concen: 0.378 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

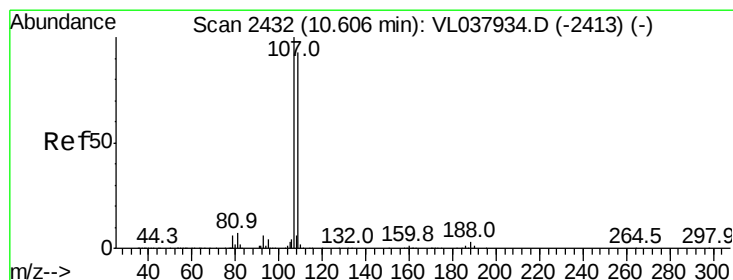
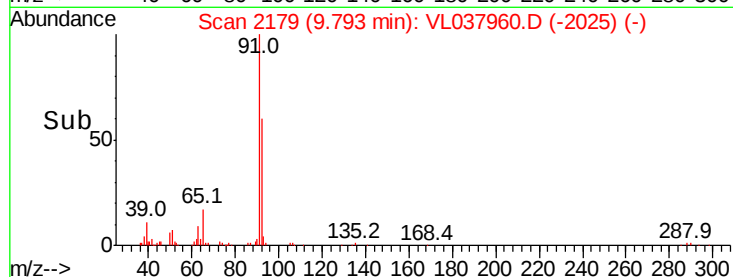
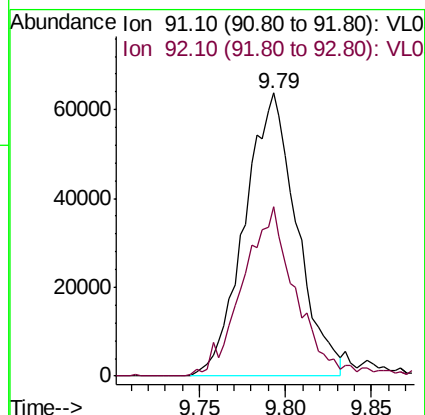
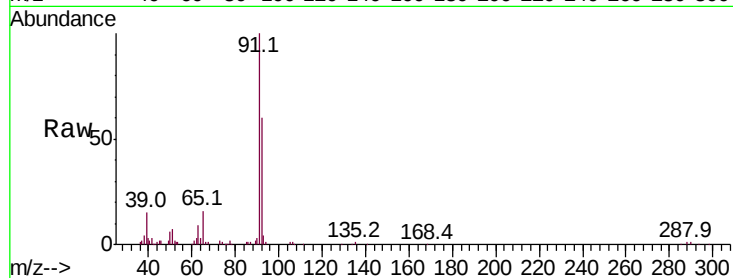
Acq: 2 Nov 2021 5:20

Tot Ion: 91 Resp: 134720

Ion Ratio Lower Upper

91 100

92 62.8 48.2 72.4



#54

1,2-Dibromoethane

Concen: 0.446 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL037960.D

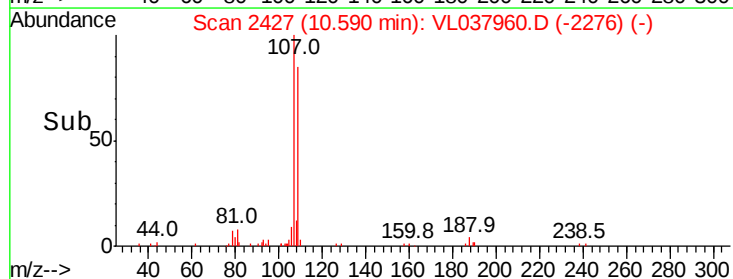
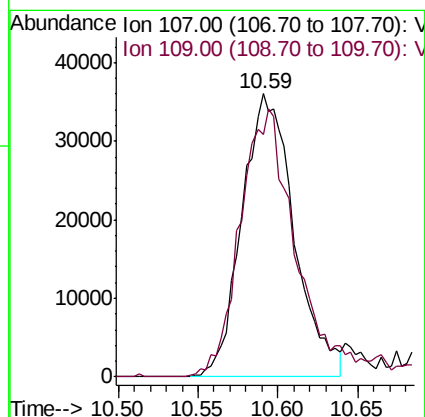
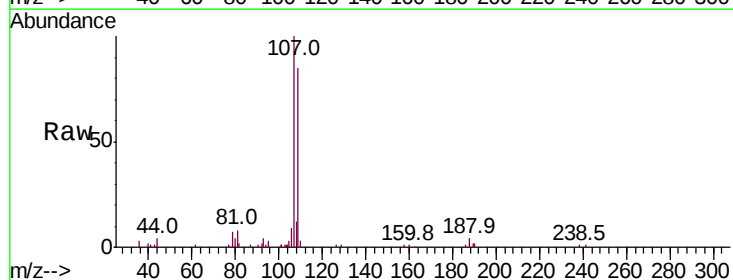
Acq: 2 Nov 2021 5:20

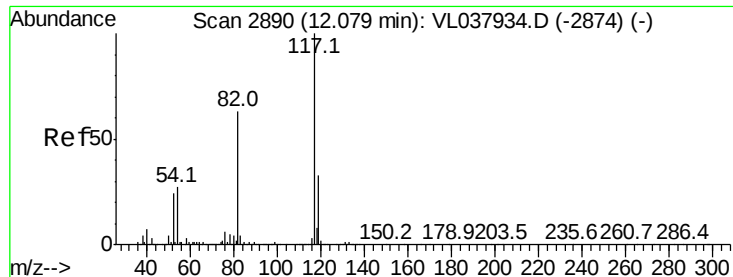
Tgt Ion: 107 Resp: 80756

Ion Ratio Lower Upper

107 100

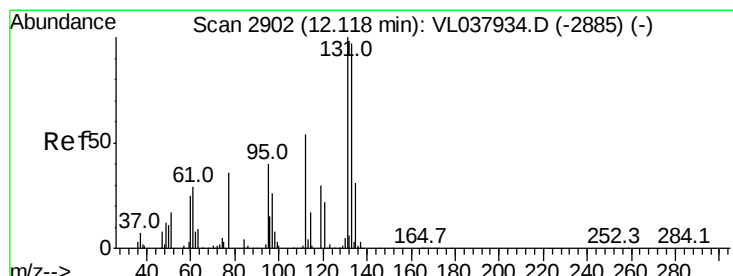
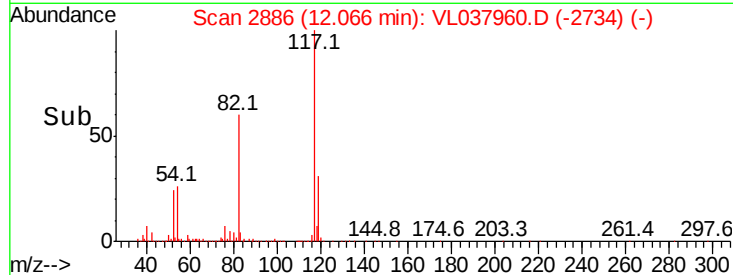
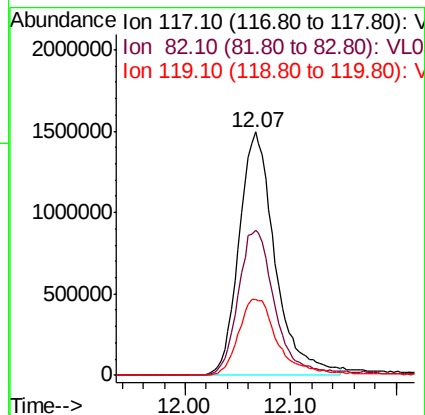
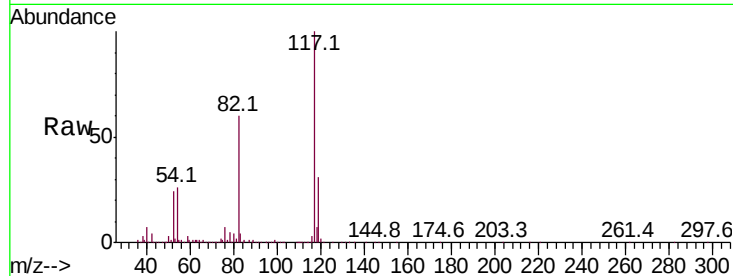
109 85.0 74.5 111.7





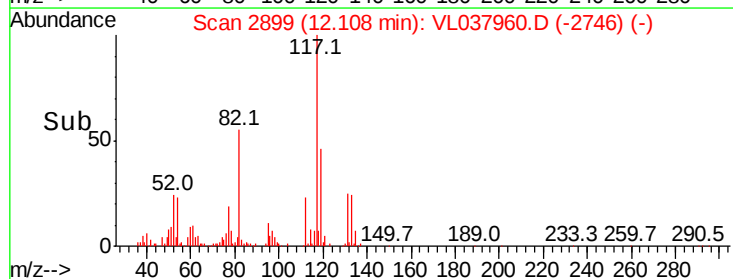
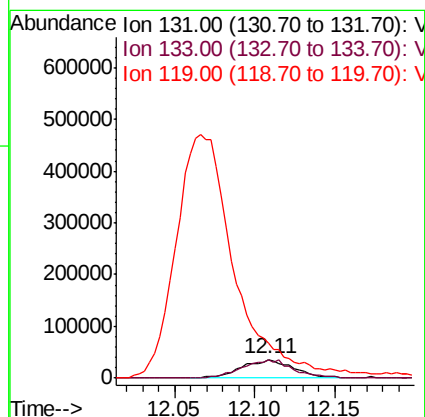
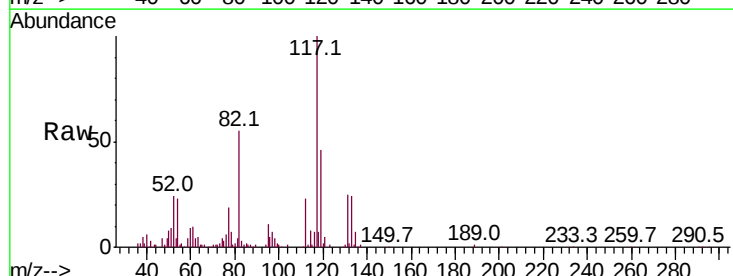
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: LOQ-AIR-02-QT4-2021
Acq: 2 Nov 2021 5:20

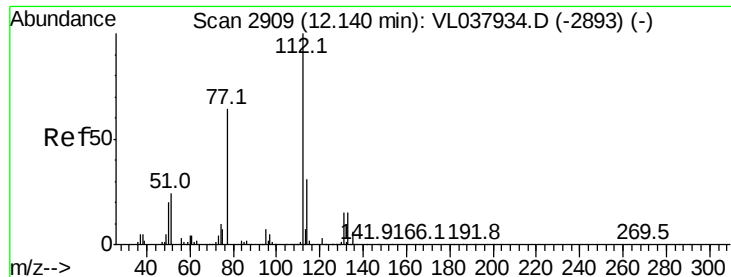
Tot Ion:117 Resp: 3560131
Ion Ratio Lower Upper
117 100
82 63.6 51.0 76.6
119 35.1 26.9 40.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.550 ppbv
RT: 12.11 min Scan# 2899
Delta R.T.: -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

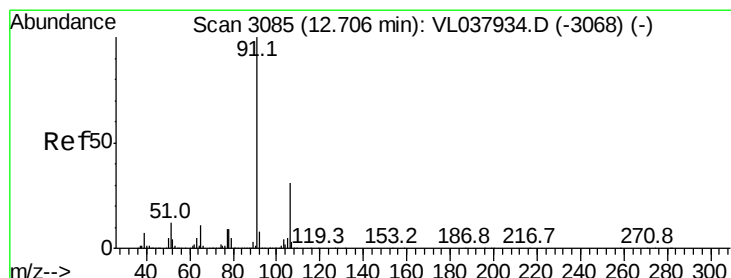
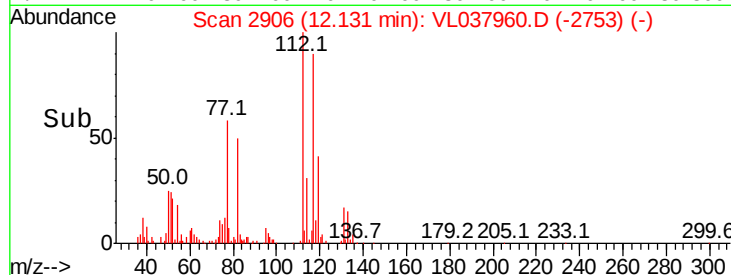
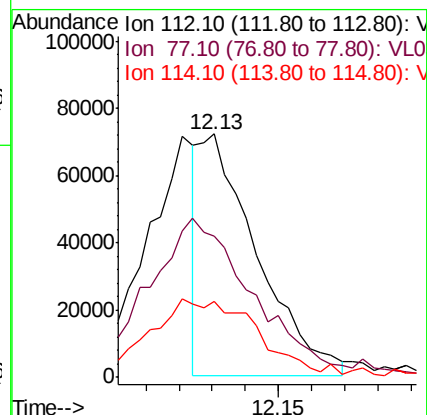
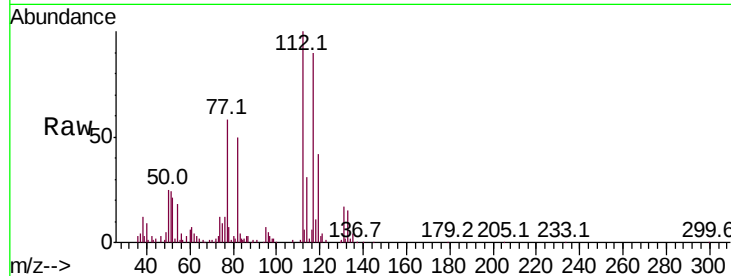
Tgt Ion:131 Resp: 79075
Ion Ratio Lower Upper
131 100
133 98.6 79.6 119.4
119 1579.2 125.4 188.2#





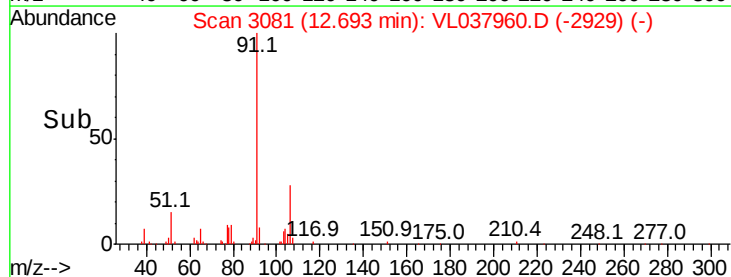
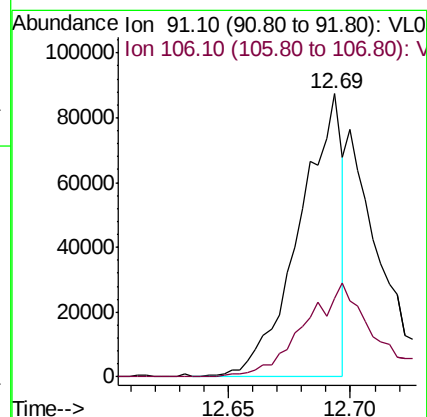
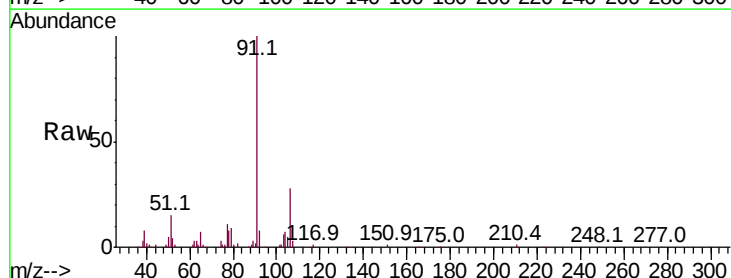
#57
Chlorobenzene
Concen: 0.302 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Nov 2021 5:20

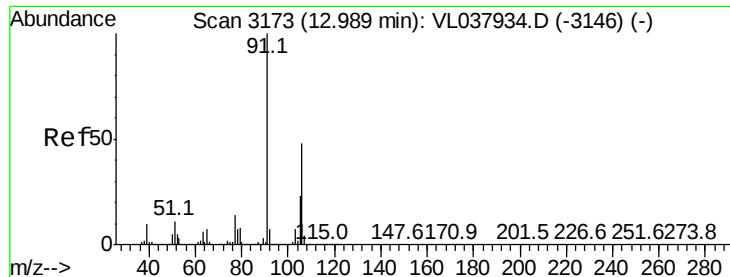
Tot Ion: 112 Resp: 85724
Ion Ratio Lower Upper
112 100
77 56.8 51.1 76.7
114 33.3 27.9 34.1



#58
Ethyl Benzene
Concen: 0.244 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

Tgt Ion: 91 Resp: 106279
Ion Ratio Lower Upper
91 100
106 27.6 25.1 37.7





#59

m/p-Xylene

Concen: 0.135 ppbv

RT: 12.97 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

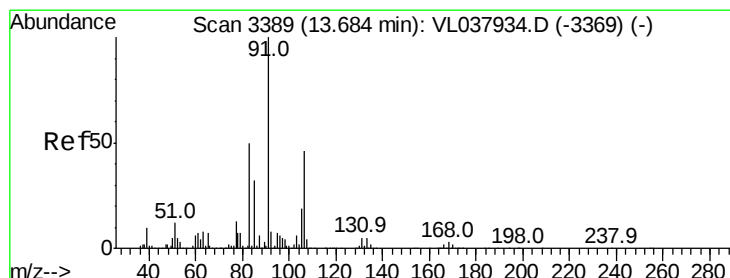
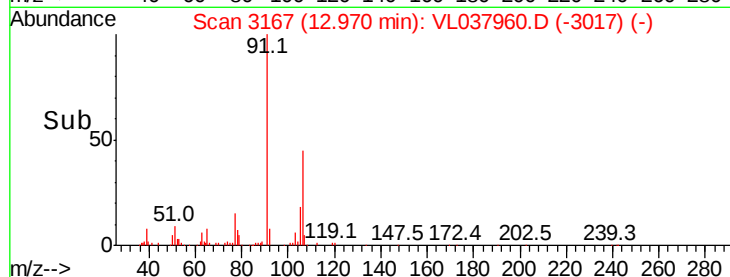
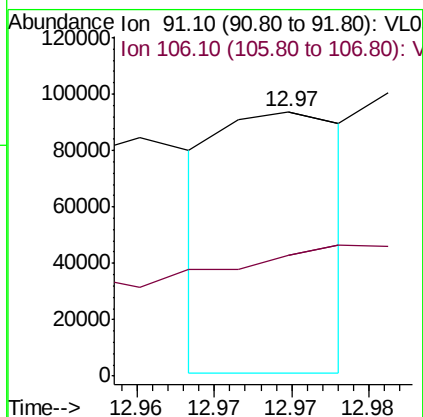
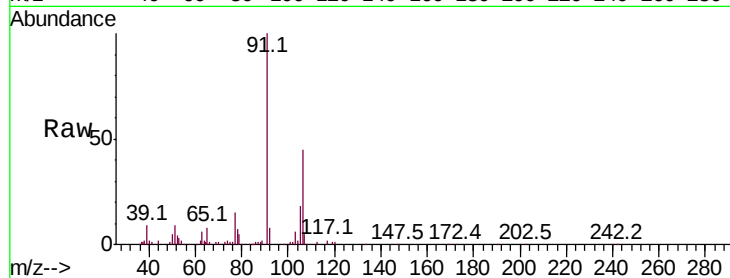
Acq: 2 Nov 2021 5:20

Tot Ion: 91 Resp: 52381

Ion Ratio Lower Upper

91 100

106 312.7 37.1 55.7#



#60

o-Xylene

Concen: 0.465 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL037960.D

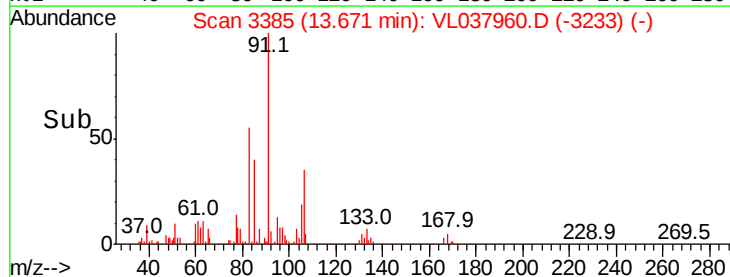
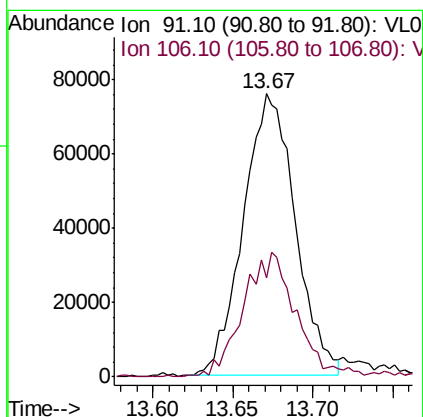
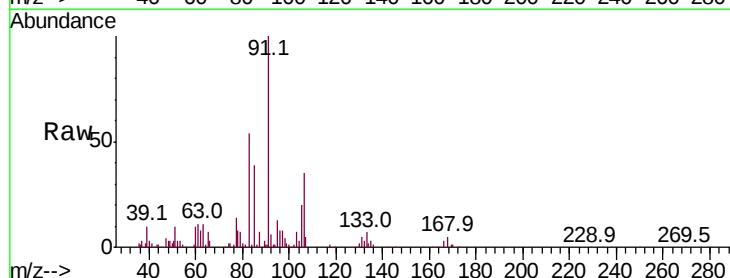
Acq: 2 Nov 2021 5:20

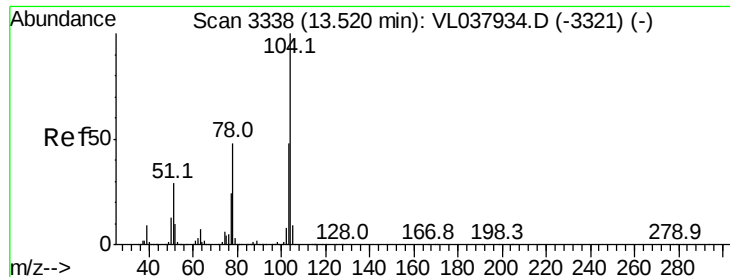
Tgt Ion: 91 Resp: 169546

Ion Ratio Lower Upper

91 100

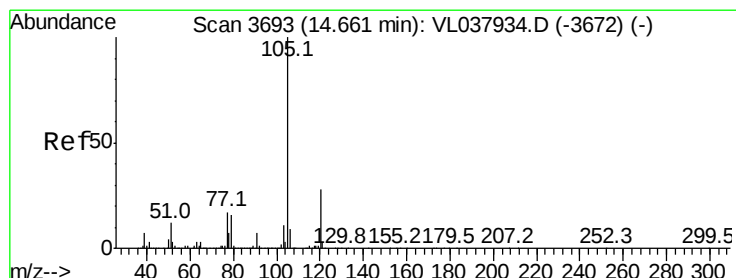
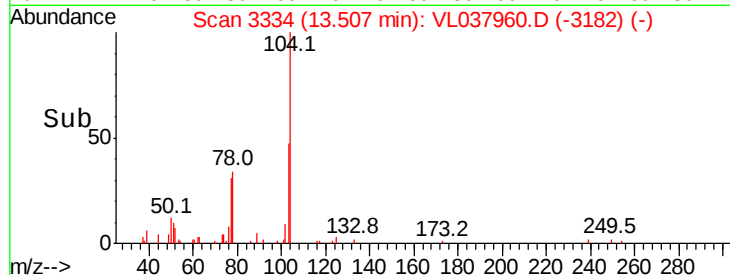
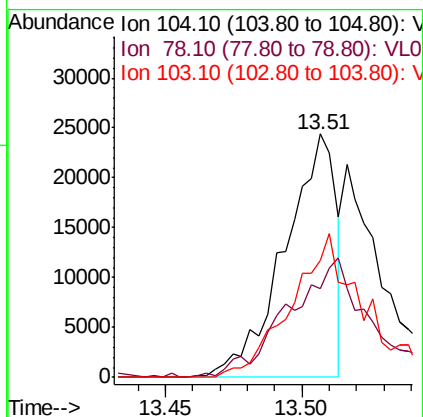
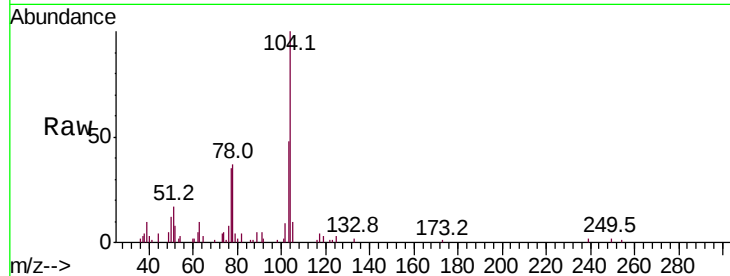
106 45.6 23.5 70.6





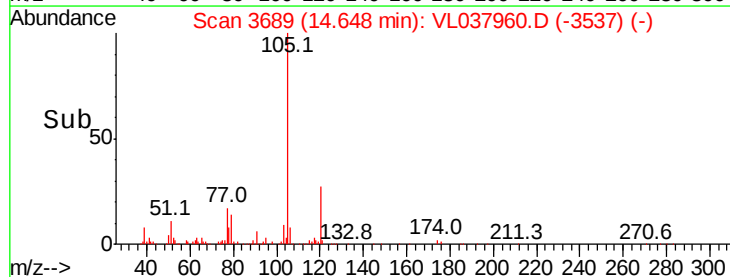
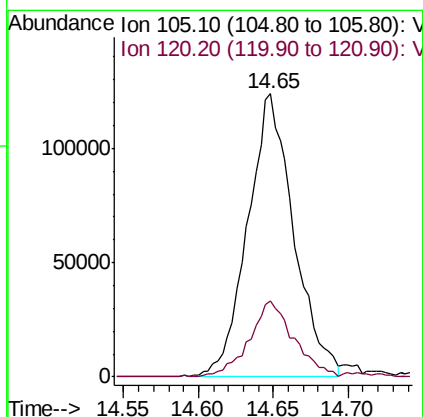
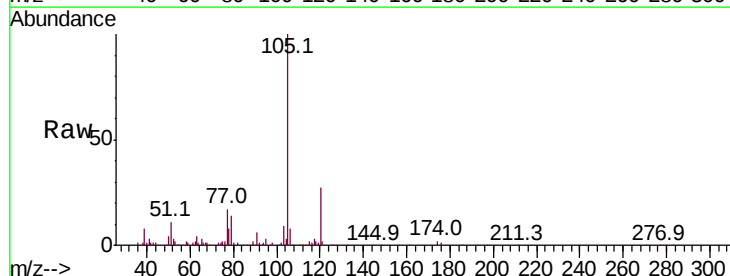
#61
Stvrene
Concen: 0.190 ppbv
RT: 13.51 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: LOQ-AIR-02-OT4-2021
Acq: 2 Nov 2021 5:20

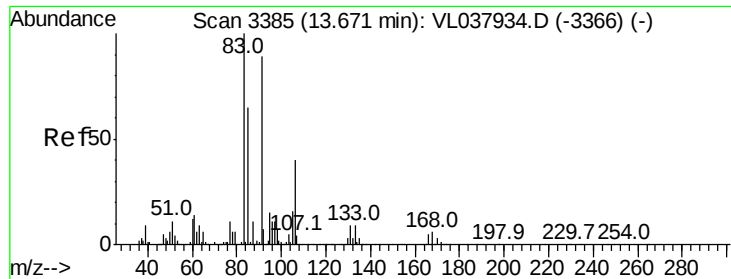
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.3	58.9#
103	0.0	39.6	59.4#



#62
Isopropylbenzene
Concen: 0.512 ppbv
RT: 14.65 min Scan# 3689
Delta R.T.: -0.01 min
Lab File: VL037960.D
Acq: 2 Nov 2021 5:20

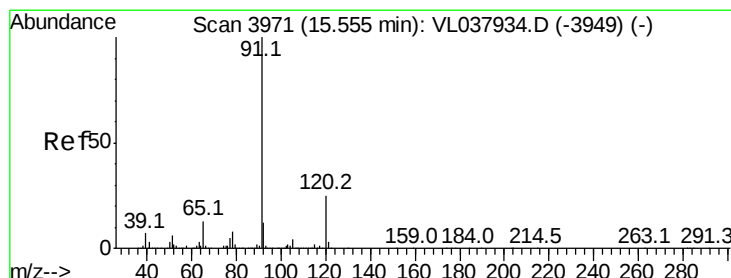
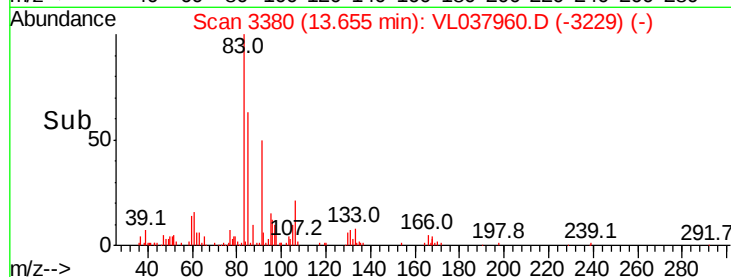
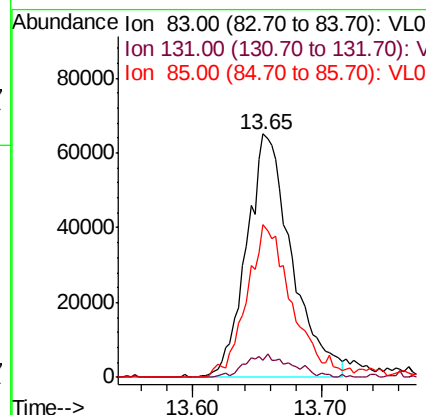
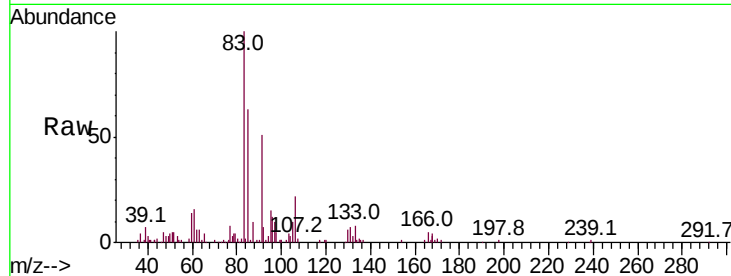
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.8	32.6





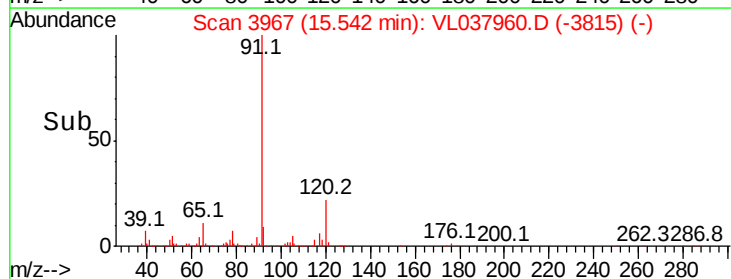
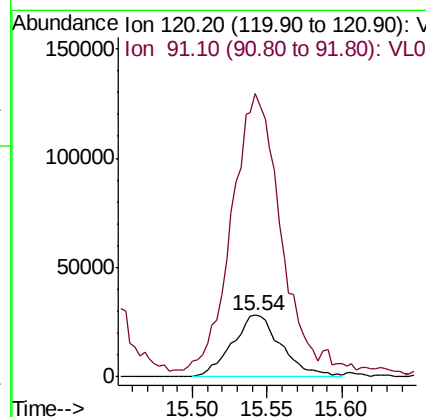
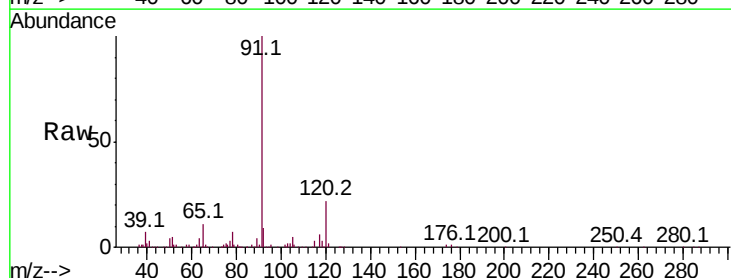
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.505 ppbv
 RT: 13.65 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:20

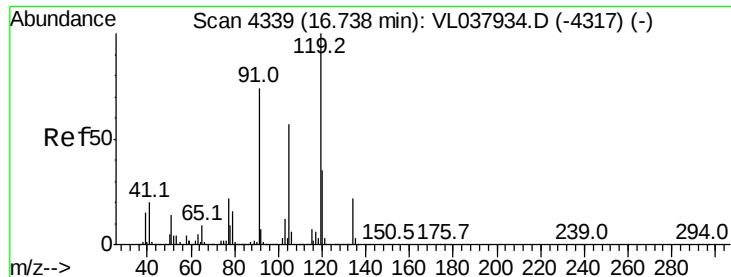
Tot Ion	83	Resp	158435
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	4.8	14.4
85	63.2	32.5	97.5



#64
 n-propylbenzene
 Concen: 0.490 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.01 min
 Lab File: VL037960.D
 Acq: 2 Nov 2021 5:20

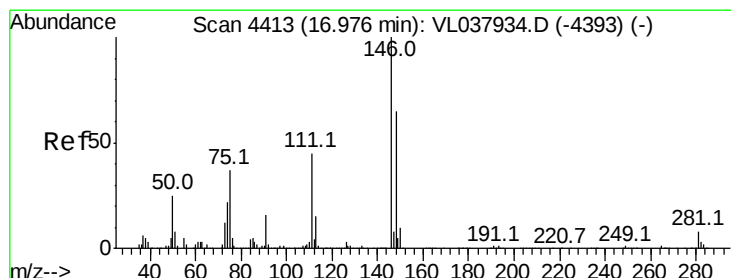
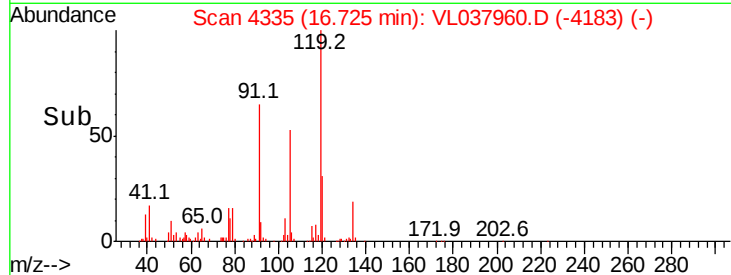
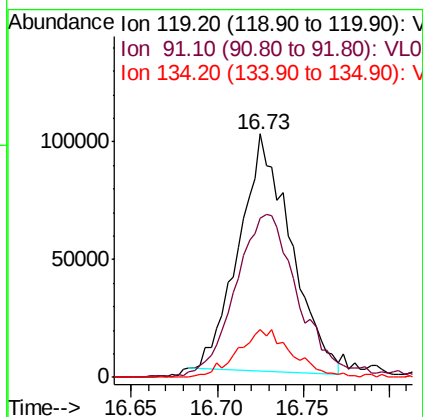
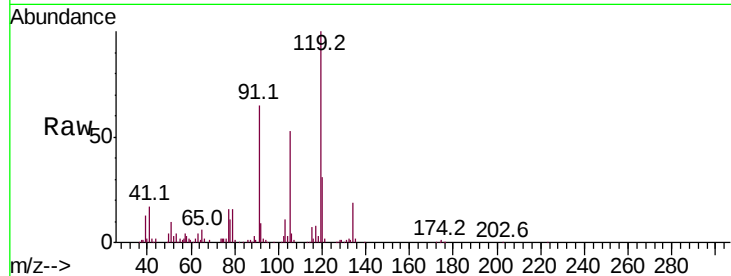
Tgt Ion	120	Resp	64833
Ion Ratio	100	Lower	Upper
120	100		
91	493.5	363.3	544.9





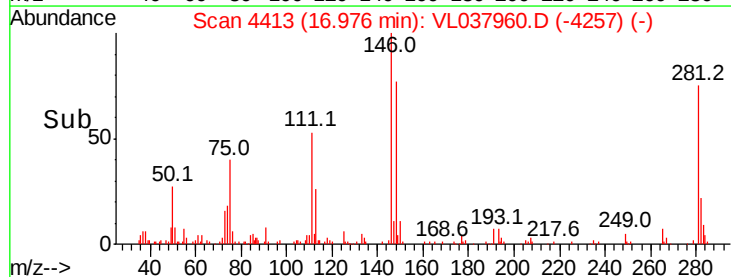
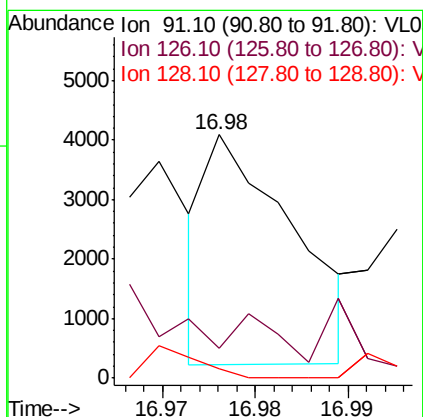
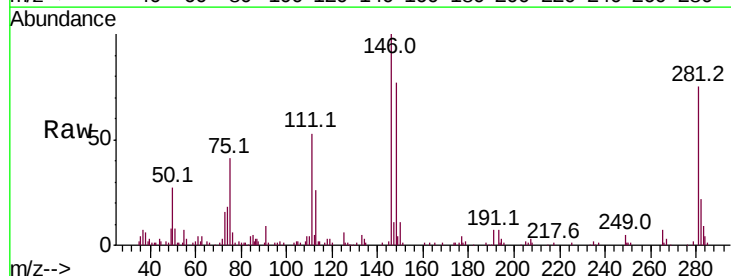
#65
 tert-Butylbenzene
 Concen: 0.462 ppbv
 RT: 16.73 min
 Delta R.T. 0.00 min
 Lab File: VL037934.D
 Acq: 2 Nov 2021 5:20

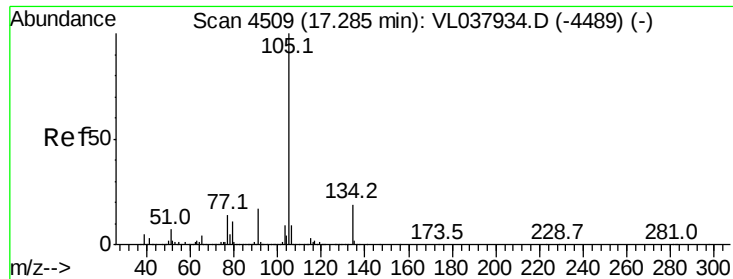
Tot Ion:	119	Resp:	210816
Ion Ratio	Lower	Upper	
119	100		
91	85.4	61.8	92.6
134	22.3	16.6	25.0



#66
 Benzyl Chloride
 Concen: 0.105 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037960.D
 Acq: 2 Nov 2021 5:20

Tgt Ion:	91	Resp:	2509
Ion Ratio	Lower	Upper	
91	100		
126	0.0	13.8	20.6#
128	8.3	5.1	7.7#





#67

sec-Butylbenzene

Concen: 0.471 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

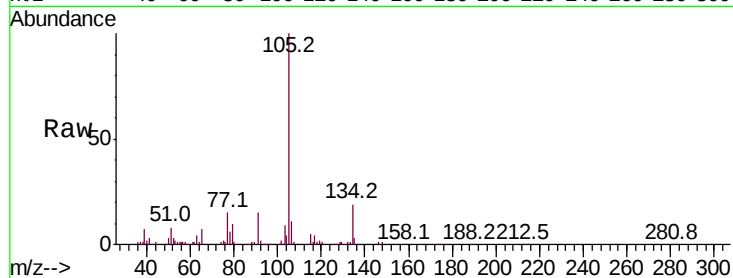
Acq: 2 Nov 2021 5:20

Tot Ion: 105 Resp: 296178

Ion Ratio Lower Upper

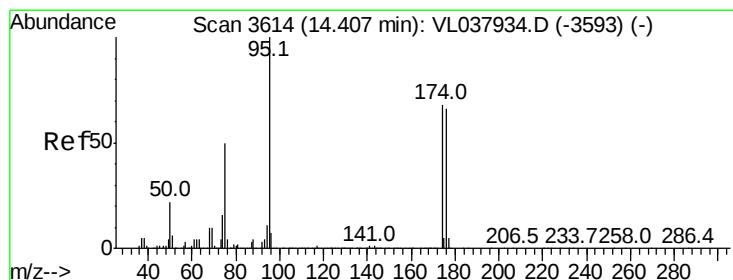
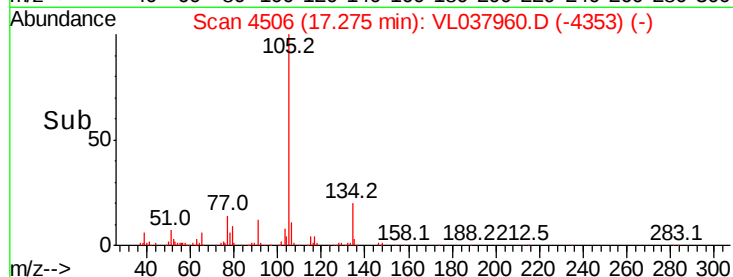
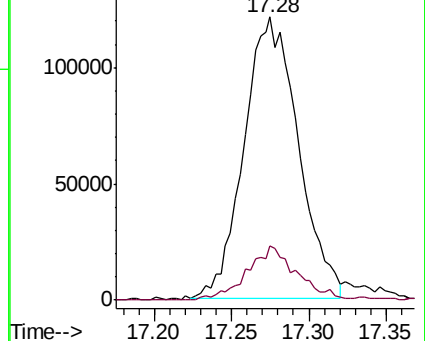
105 100

134 18.4 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.271 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

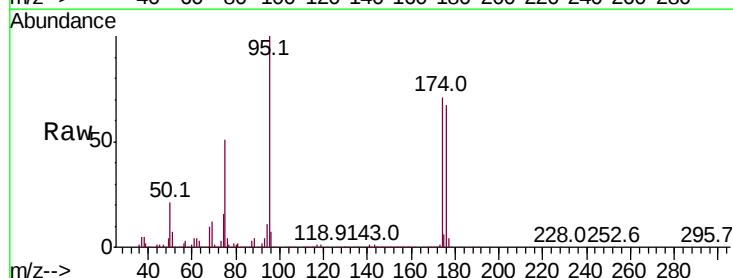
Tgt Ion: 95 Resp: 2658024

Ion Ratio Lower Upper

95 100

174 70.4 58.3 87.5

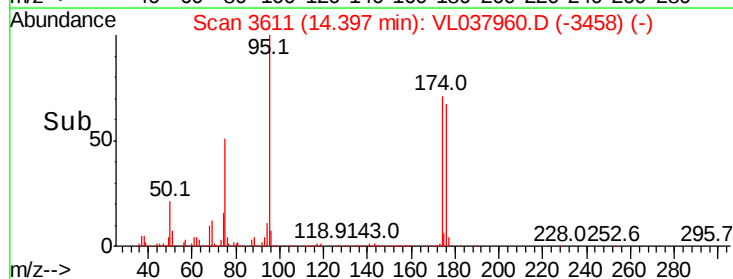
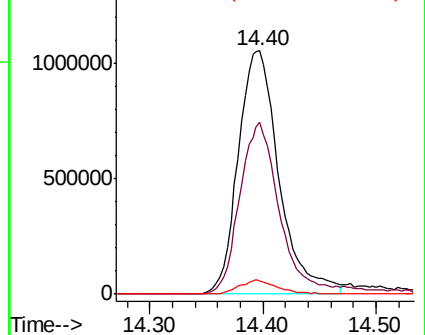
175 5.5 4.6 6.8

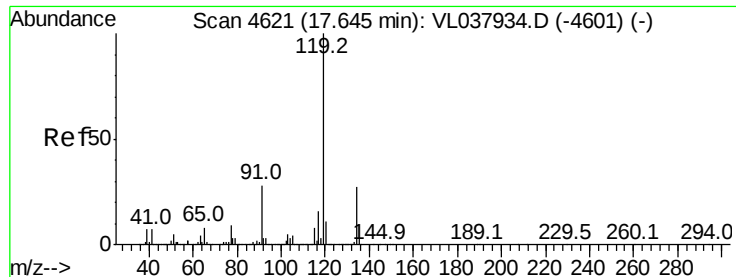


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

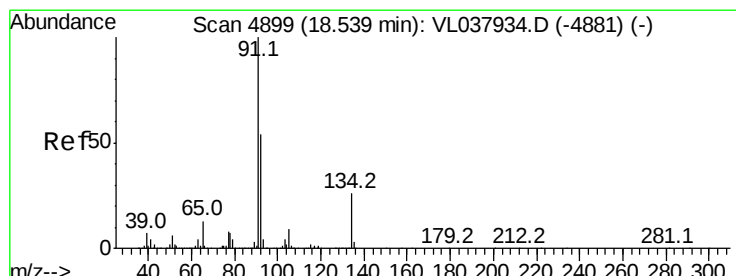
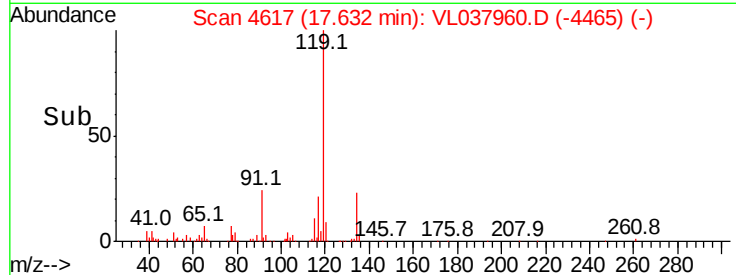
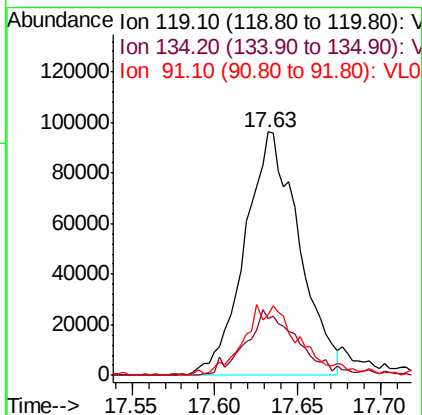
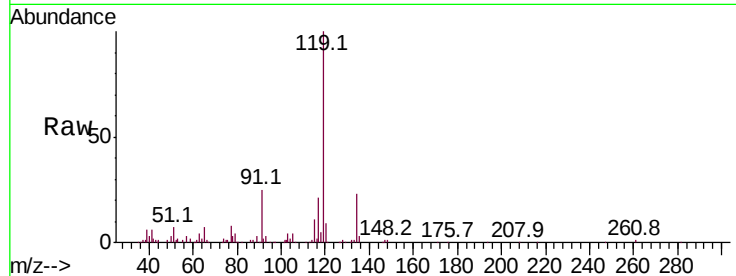
Ion 175.00 (174.70 to 175.70): V





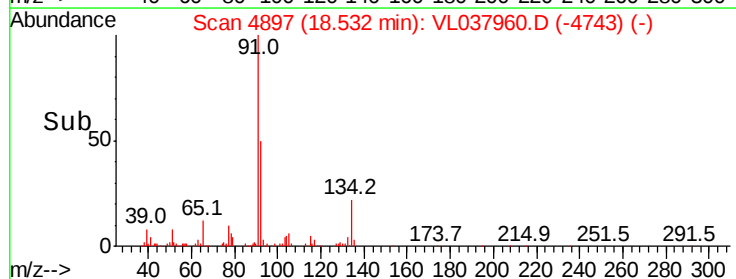
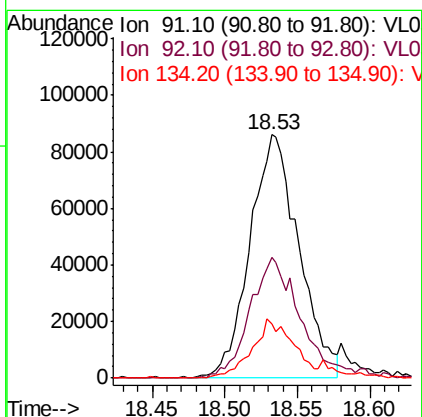
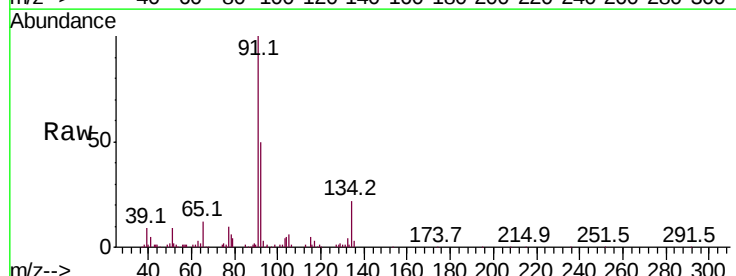
#69
 p-Isopropyltoluene
 Concen: 0.430 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:20

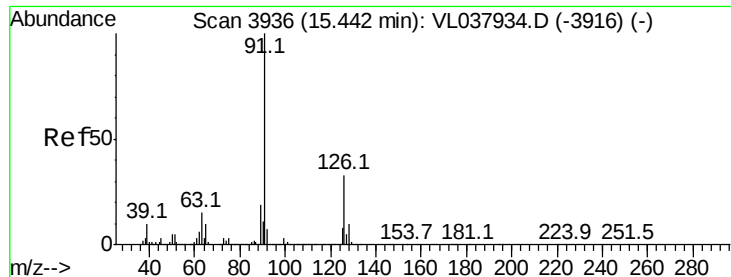
Tot Ion:	119	Resp:	217127
Ion	Ratio	Lower	Upper
119	100		
134	27.0	21.0	31.4
91	31.7	21.8	32.8



#70
 n-Butylbenzene
 Concen: 0.435 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. -0.01 min
 Lab File: VL037960.D
 Acq: 2 Nov 2021 5:20

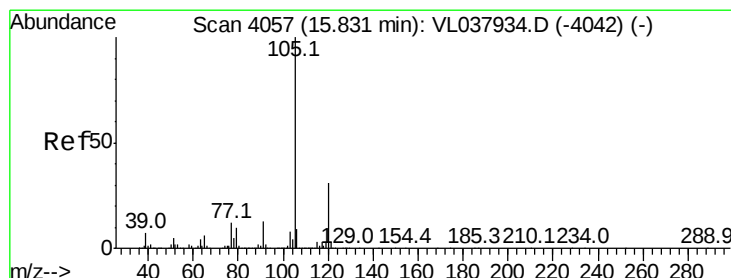
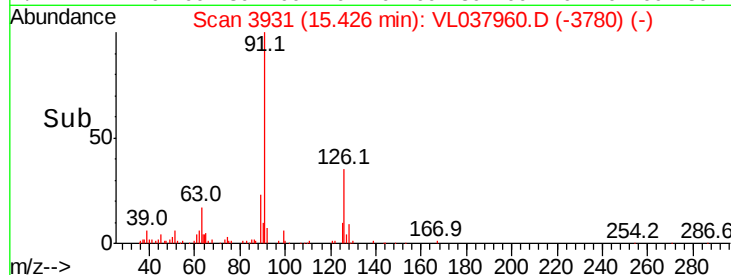
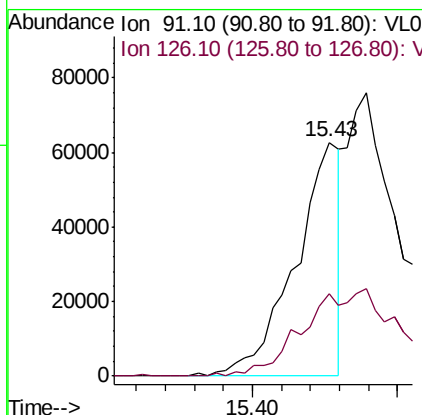
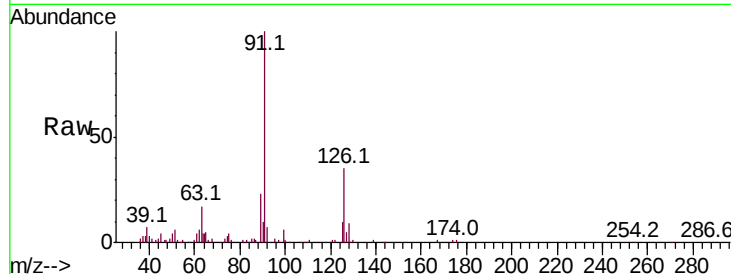
Tgt Ion:	91	Resp:	201873
Ion	Ratio	Lower	Upper
91	100		
92	52.4	43.6	65.4
134	23.3	19.8	29.6





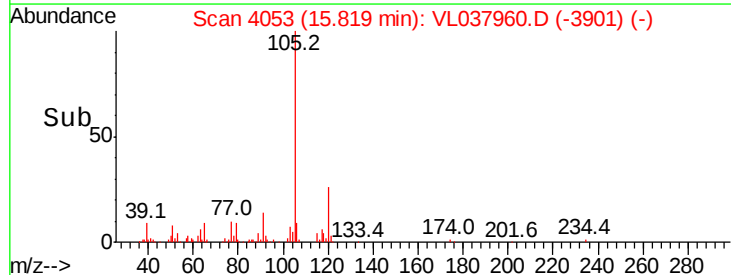
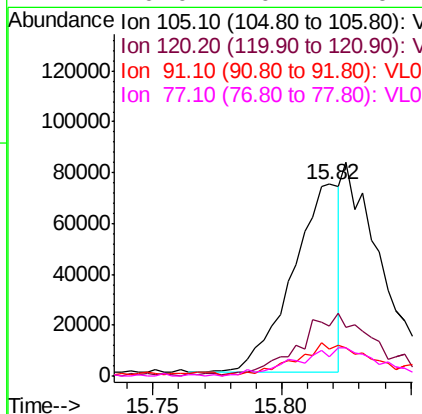
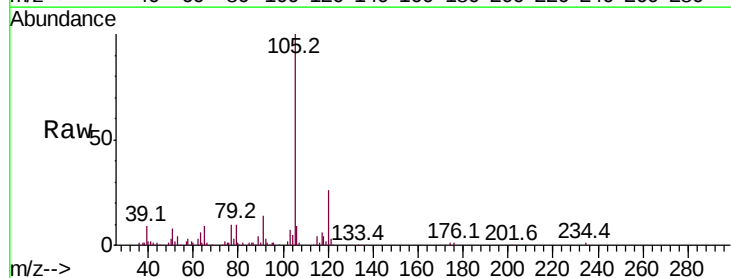
#71
 2-Chlorotoluene
 Concen: 0.187 ppbv
 RT: 15.43 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:20

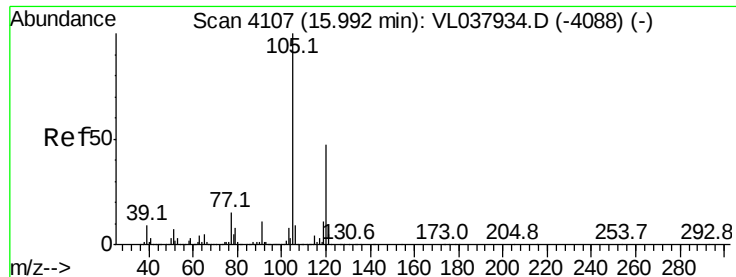
Tot Ion: 91 Resp: 67740
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.3 53.3#



#72
 4-Ethyltoluene
 Concen: 0.225 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.01 min
 Lab File: VL037960.D
 Acq: 2 Nov 2021 5:20

Tgt Ion: 105 Resp: 93991
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.3 37.9#
 91 32.8 9.9 14.9#
 77 0.0 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.421 ppbv

RT: 15.98

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

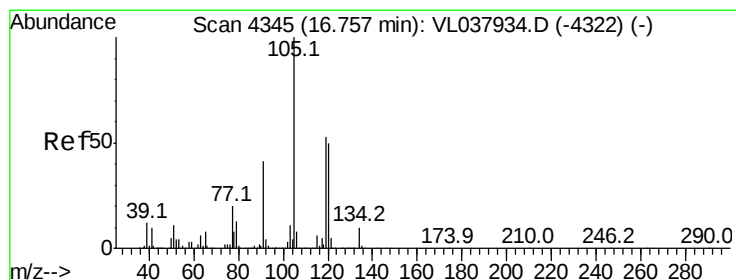
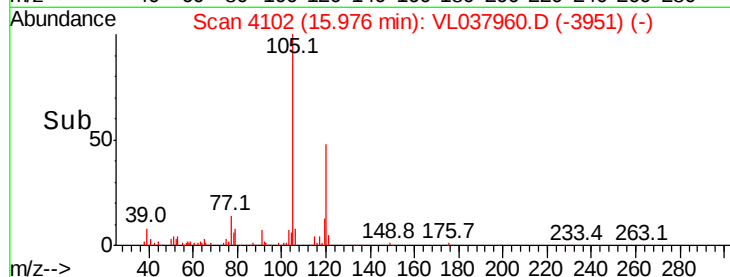
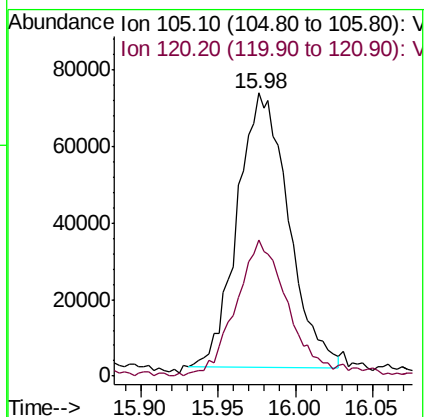
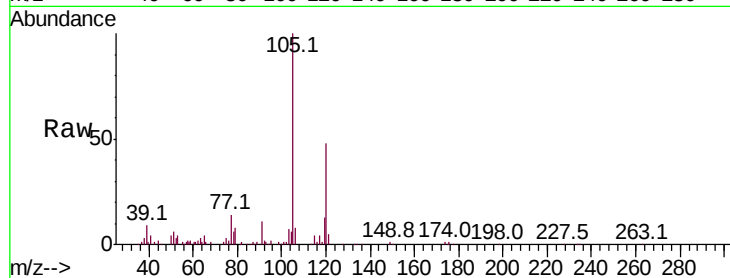
Acq: 2 Nov 2021 5:20

Tot Ion:105 Resp: 164791

Ion Ratio Lower Upper

105 100

120 48.7 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 0.279 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.02 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

Tgt Ion:105 Resp: 114480

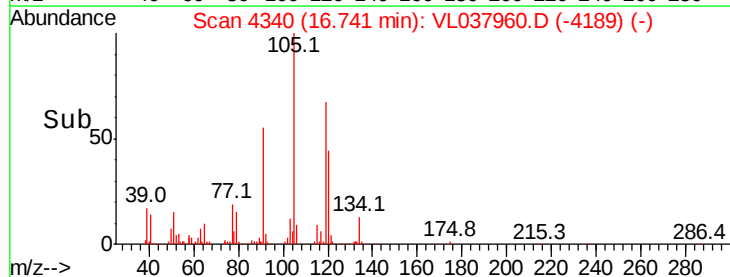
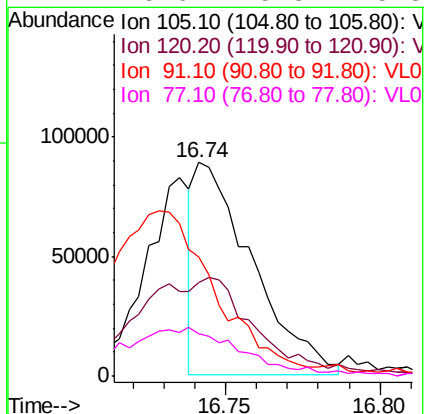
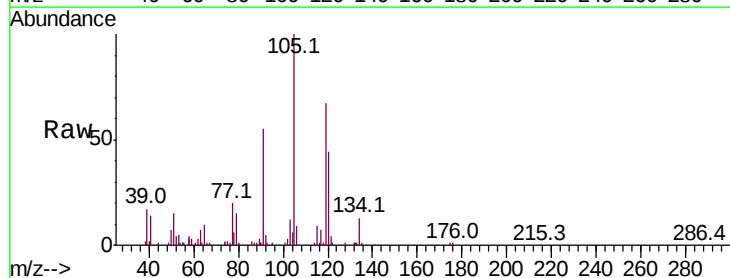
Ion Ratio Lower Upper

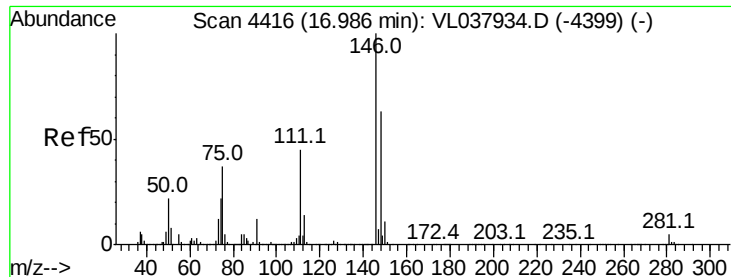
105 100

120 40.5 40.0 60.0

91 53.1 32.6 49.0#

77 18.6 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 0.265 ppbv

RT: 16.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

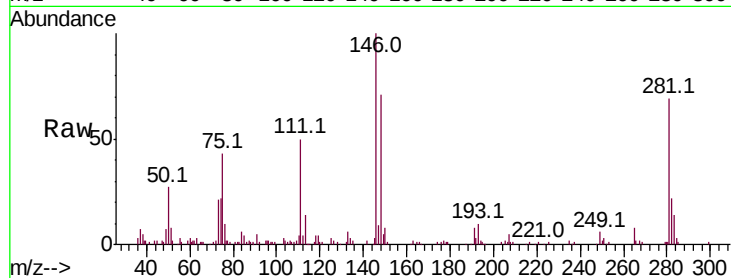
Tot Ion:146 Resp: 67631

Ion Ratio Lower Upper

146 100

111 93.5 22.7 68.1#

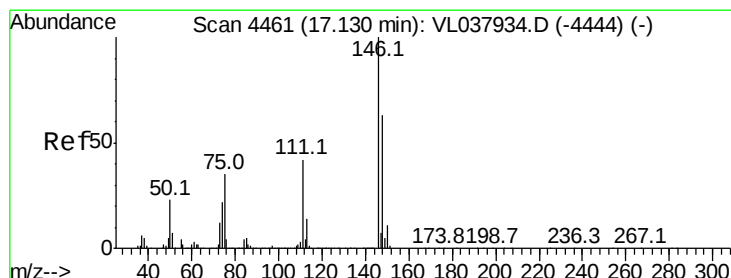
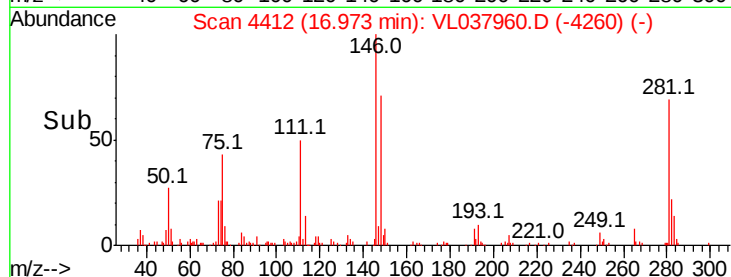
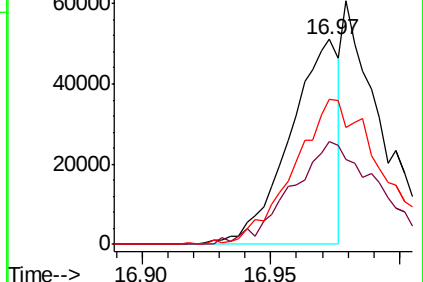
148 136.4 32.4 97.0#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.283 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.02 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

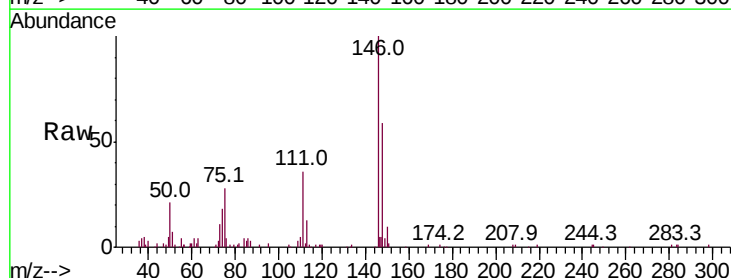
Tgt Ion:146 Resp: 69851

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.1#

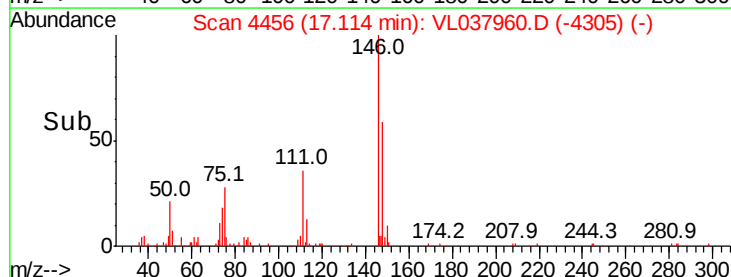
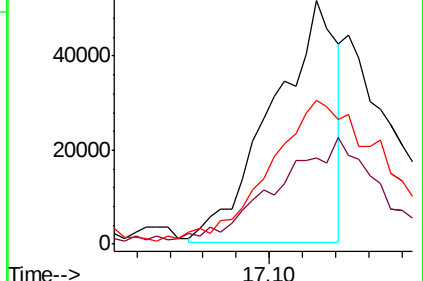
148 117.3 33.5 100.4#

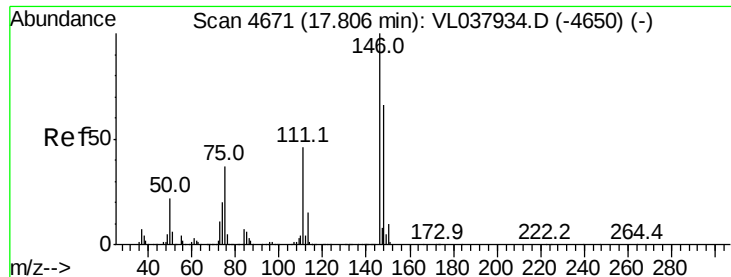


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.378 ppbv

RT: 17.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

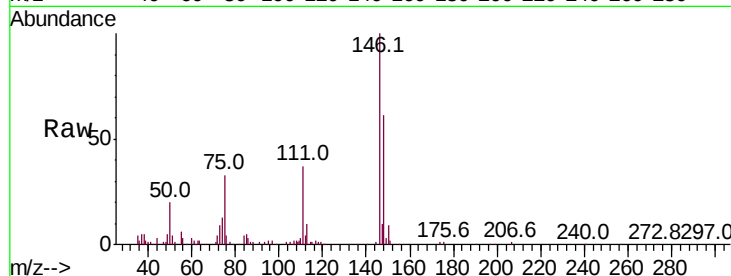
Tot Ion:146 Resp: 90522

Ion Ratio Lower Upper

146 100

111 70.5 23.4 70.2#

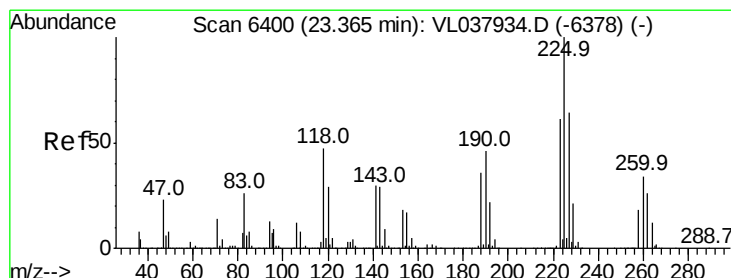
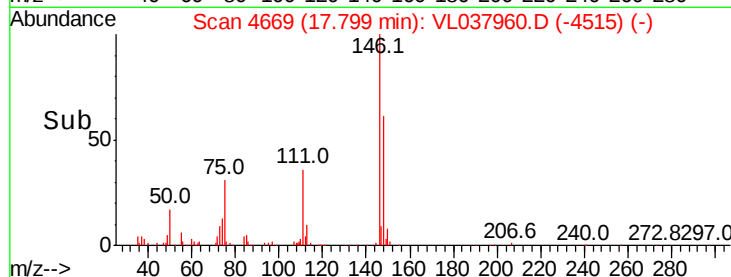
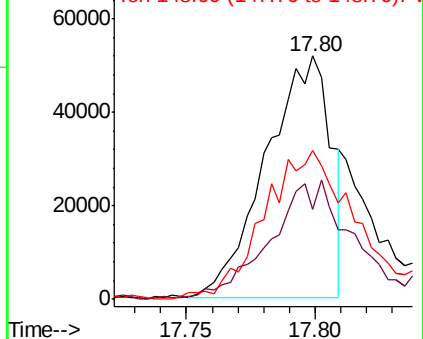
148 94.4 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.376 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.01 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

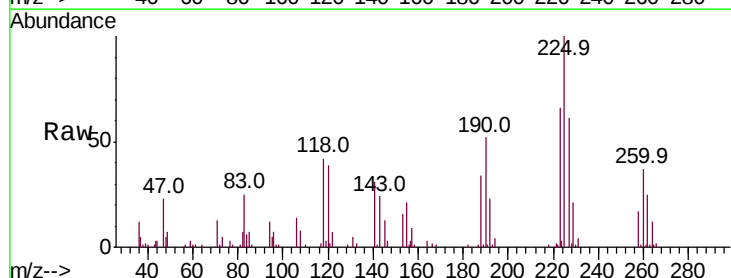
Tgt Ion:225 Resp: 77092

Ion Ratio Lower Upper

225 100

223 103.3 50.0 75.0#

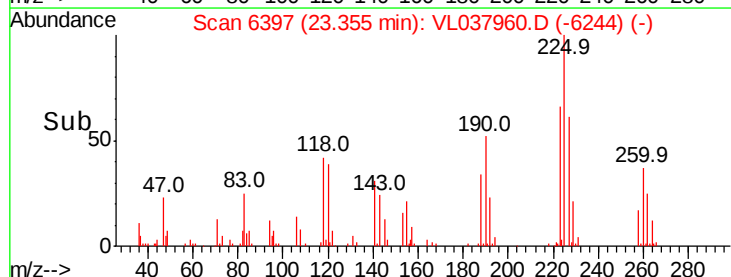
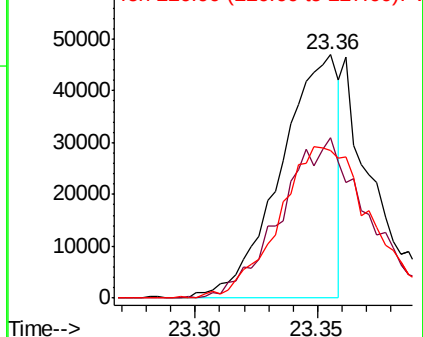
227 103.2 51.5 77.3#

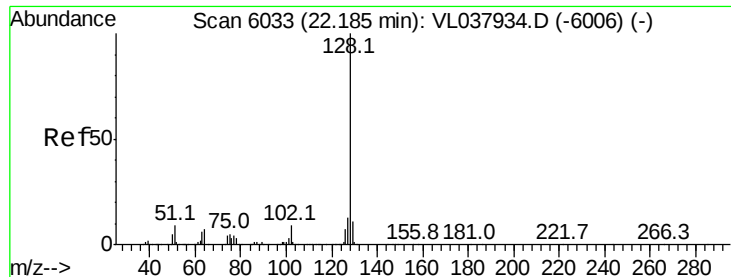


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.005 ppbv

RT: 22.27

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 5:20

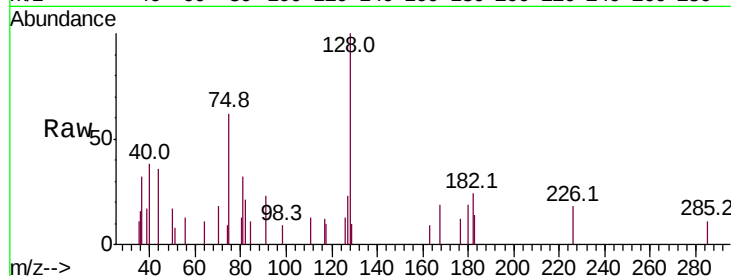
Tot Ion:128 Resp: 1067

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

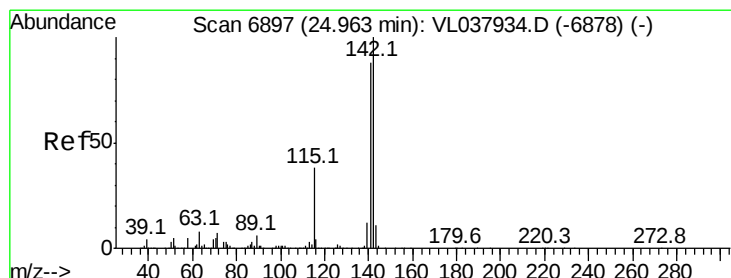
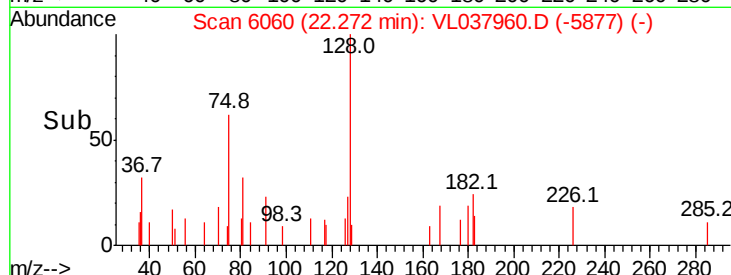
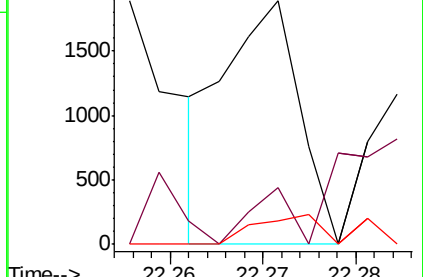
129 9.8 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.051 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.03 min

Lab File: VL037960.D

Acq: 2 Nov 2021 5:20

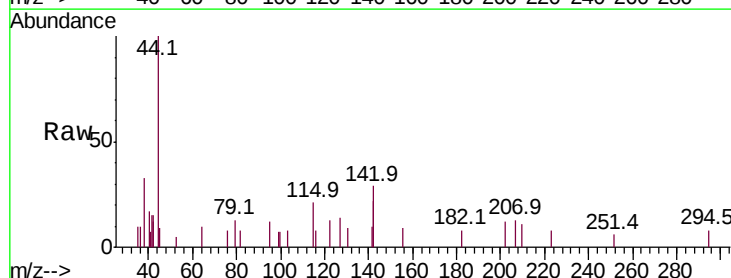
Tgt Ion:142 Resp: 2356

Ion Ratio Lower Upper

142 100

141 51.4 66.4 99.6#

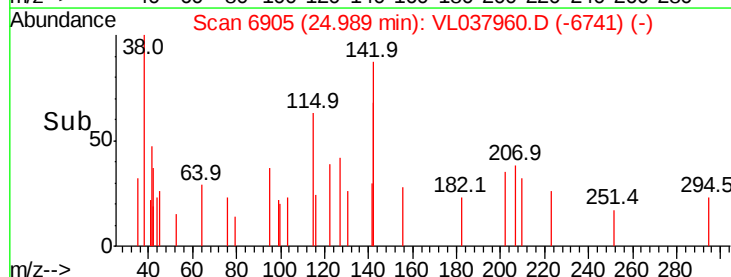
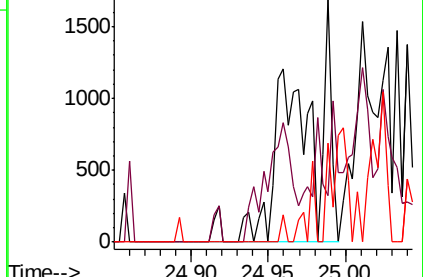
115 28.4 29.0 43.4#

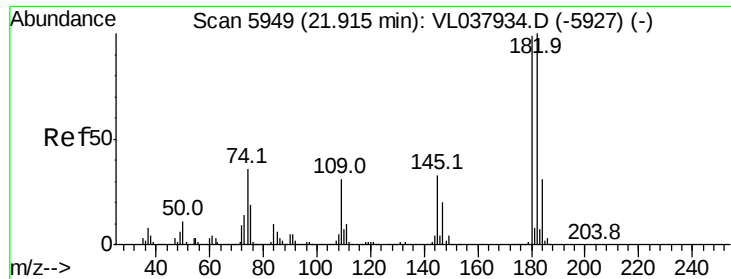


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.123 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 5:20

Tot Ion:180 Resp: 18984
 Ion Ratio Lower Upper
 180 100
 182 0.0 79.3 118.9#
 184 94.5 25.3 37.9#

