

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037959.D
 Acq On : 2 Nov 2021 4:43
 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 08:00:19 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	1342194	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4072949	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3543534	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.39	95	2567413	9.97	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	124881	0.660	ppbv	100
3) Chlorodifluoromethane	2.99	51	148663	0.595	ppbv	100
4) Chloromethane	3.13	50	25209	0.265	ppbv	98
5) Vinyl Chloride	3.26	62	39880	0.436	ppbv #	89
6) Bromomethane	3.47	94	26245	0.531	ppbv	86
7) Chloroethane	3.55	64	17298	0.524	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	135570	0.622	ppbv	99
9) Propene	3.01	41	40188	0.449	ppbv	95
10) Heptane	8.11	43	94781	0.455	ppbv	94
11) Trichlorofluoromethane	3.95	101	102197	0.543	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	82430	0.562	ppbv	96
13) Ethanol	3.63	45	4454	0.493	ppbv #	32
14) Bromoethene	3.74	108	30813	0.480	ppbv #	85
15) Acetone	3.86	43	21089	0.190	ppbv #	1
16) 1,3-Butadiene	3.33	39	34009	0.389	ppbv #	67
17) tert-Butyl alcohol	4.30	59	20881	0.181	ppbv #	38
18) 1,1-Dichloroethene	4.28	96	34904	0.517	ppbv	91
19) Isopropyl Alcohol	3.98	45	18947	0.267	ppbv #	85
20) Methylene Chloride	4.34	84	27520	0.452	ppbv #	92
21) Allyl Chloride	4.41	41	55213	0.540	ppbv	93
22) trans-1,2-Dichloroethene	5.02	96	334	0.005	ppbv	83
23) Vinyl Acetate	5.07	43	27318	0.164	ppbv #	84
24) 1,1-Dichloroethane	5.00	63	48382	0.351	ppbv	97
25) Ethyl Acetate	5.68	43	159866	0.485	ppbv	97
26) Hexane	5.67	57	30477	0.195	ppbv #	1
27) Carbon Disulfide	4.55	76	60283	0.391	ppbv #	81
28) Methyl tert-Butyl Ether	5.04	73	58684	0.447	ppbv #	84
29) Chloroform	5.74	83	131566	0.565	ppbv	96
30) Cyclohexane	7.12	84	27110	0.203	ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	60542	0.425	ppbv #	86
32) 1,1,1-Trichloroethane	6.50	97	62195	0.272	ppbv #	22
34) 2-Butanone	5.25	43	63141	0.418	ppbv #	90
35) Carbon Tetrachloride	7.01	117	117019	0.475	ppbv	85
36) Benzene	6.88	78	154899	0.467	ppbv	97
37) 1,2-Dichloroethane	6.29	62	43677	0.277	ppbv #	82
38) Trichloroethene	7.81	130	21604	0.157	ppbv	87
39) 1,2-Dichloropropane	7.60	63	27254	0.218	ppbv	88
40) 1,4-Dioxane	7.81	88	141	0.004	ppbv #	1
41) Tetrahydrofuran	6.03	42	272	0.004	ppbv #	36
42) Bromodichloromethane	7.77	83	108086	0.453	ppbv	86
43) Methyl Methacrylate	8.01	69	30283	0.278	ppbv #	49

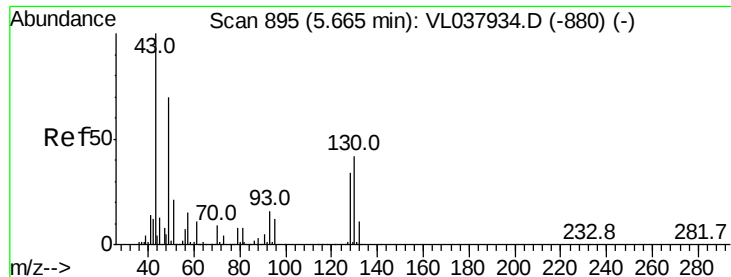
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
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Quant Time: Nov 02 08:00:19 2021
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	261668	0.464	ppbv	92
45) t-1,3-Dichloropropene	9.26	75	5646	0.071	ppbv	97
46) cis-1,3-Dichloropropene	8.87	75	351	0.003	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	67873	0.484	ppbv	90
48) Dibromochloromethane	10.28	129	53328	0.269	ppbv #	34
49) Bromoform	13.02	173	59654	0.380	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	27879	0.141	ppbv #	1
51) 2-Hexanone	10.12	43	1110	0.013	ppbv #	30
52) Tetrachloroethene	11.20	164	53395	0.424	ppbv	94
53) Toluene	9.78	91	67596	0.190	ppbv #	20
54) 1,2-Dibromoethane	10.59	107	46747	0.258	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.11	131	37444	0.262	ppbv #	1
57) Chlorobenzene	12.12	112	160919	0.569	ppbv	91
58) Ethyl Benzene	12.69	91	169843	0.392	ppbv	94
59) m/p-Xylene	12.97	91	83535	0.217	ppbv #	1
60) o-Xylene	13.67	91	166814	0.459	ppbv	100
61) Styrene	13.51	104	49636	0.298	ppbv #	88
62) Isopropylbenzene	14.65	105	262878	0.511	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	143568	0.459	ppbv	90
64) n-propylbenzene	15.54	120	9287	0.070	ppbv #	1
65) tert-Butylbenzene	16.73	119	222184	0.489	ppbv	94
66) Benzyl Chloride	16.95	91	2310	0.097	ppbv #	1
67) sec-Butylbenzene	17.28	105	295049	0.471	ppbv	100
69) p-Isopropyltoluene	17.63	119	97532	0.194	ppbv #	48
70) n-Butylbenzene	18.53	91	108666	0.235	ppbv #	32
71) 2-Chlorotoluene	15.44	91	171633	0.476	ppbv	98
72) 4-Ethyltoluene	15.82	105	174187	0.419	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.98	105	159242	0.409	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	199832	0.490	ppbv #	91
75) 1,3-Dichlorobenzene	16.98	146	127101	0.500	ppbv	90
76) 1,4-Dichlorobenzene	17.12	146	107171	0.436	ppbv	87
77) 1,2-Dichlorobenzene	17.79	146	49093	0.206	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.36	225	69926	0.342	ppbv #	36
79) Naphthalene	22.17	128	32812	0.140	ppbv #	77
80) Naphthalene, 2-methyl-	24.98	142	4854	0.106	ppbv #	48
81) 1,2,4-Trichlorobenzene	21.90	180	3297	0.022	ppbv #	11

(#) = 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 4:43

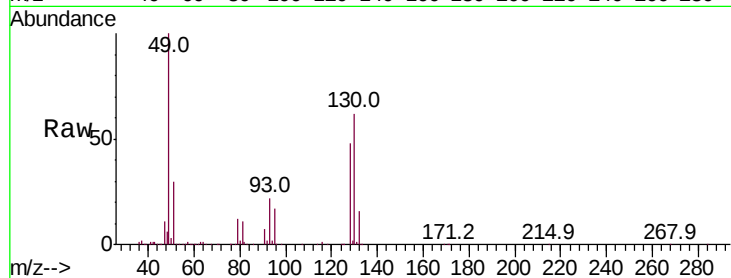
Tot Ion: 49 Resp: 1342194

Ion Ratio Lower Upper

49 100

128 54.7 27.0 81.0

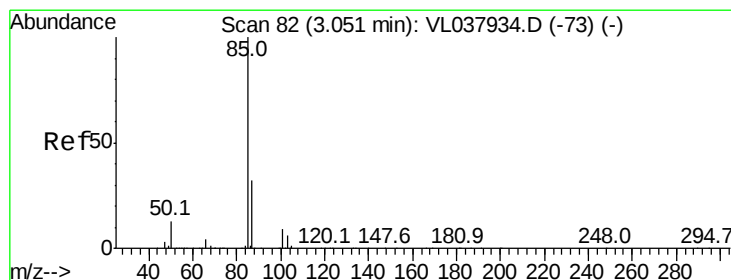
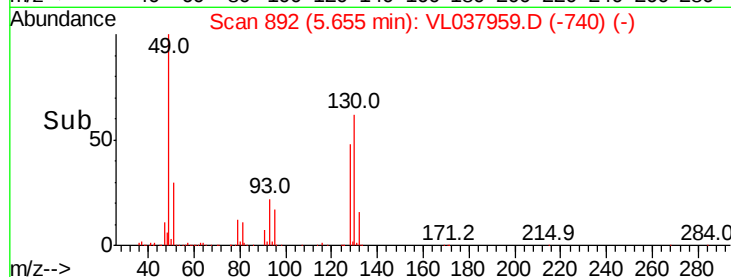
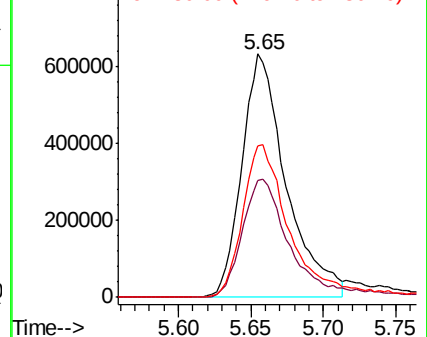
130 69.9 33.4 100.2



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: 0.660 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037959.D

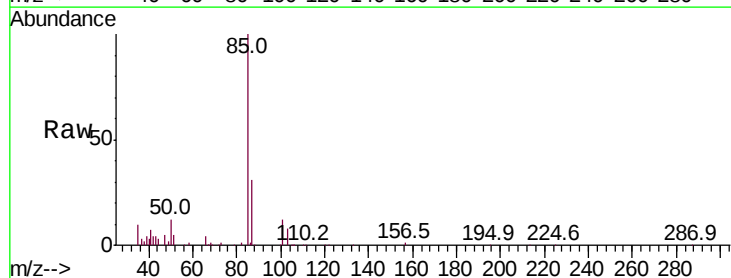
Acq: 2 Nov 2021 4:43

Tgt Ion: 85 Resp: 124881

Ion Ratio Lower Upper

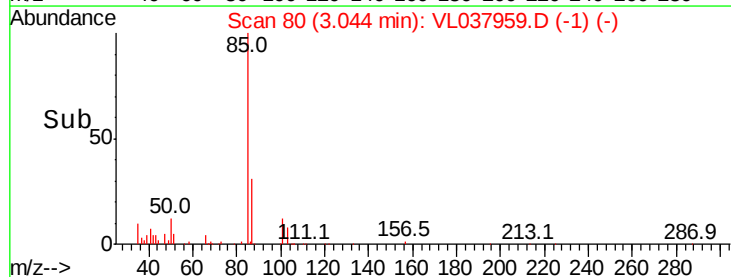
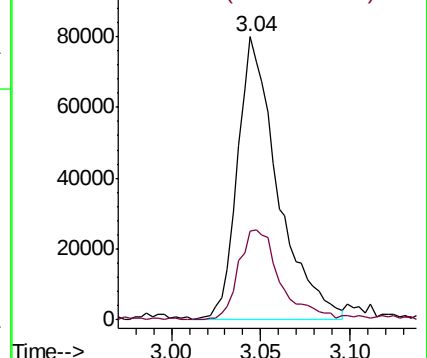
85 100

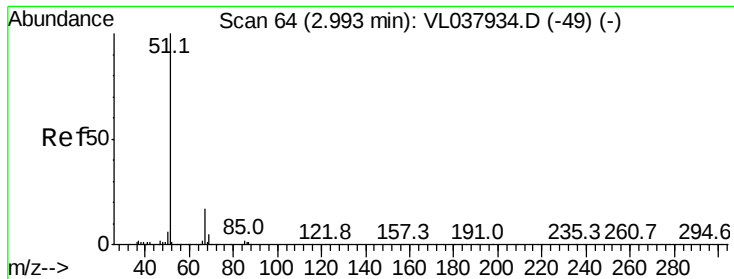
87 31.4 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.595 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

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

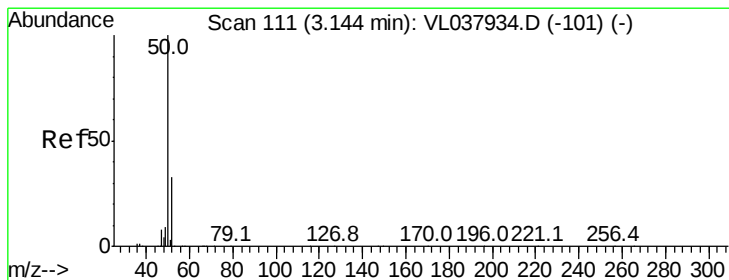
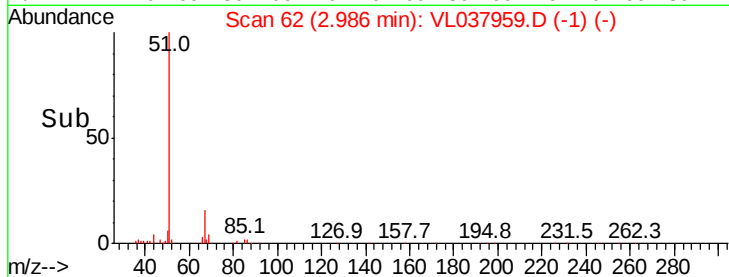
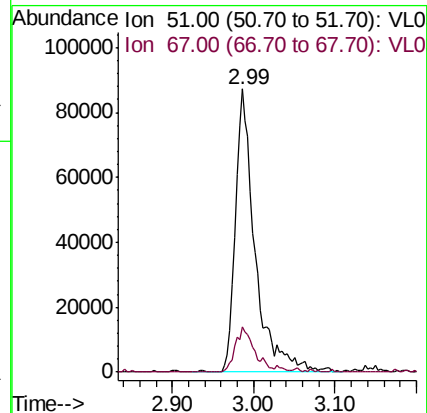
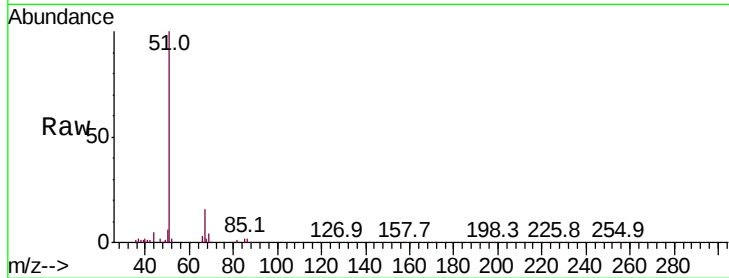
Acq: 2 Nov 2021 4:43

Tot Ion: 51 Resp: 148663

Ion Ratio Lower Upper

51 100

67 16.5 13.4 20.0



#4

Chloromethane

Concen: 0.265 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037959.D

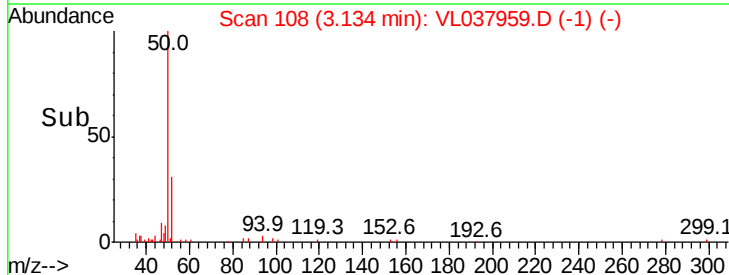
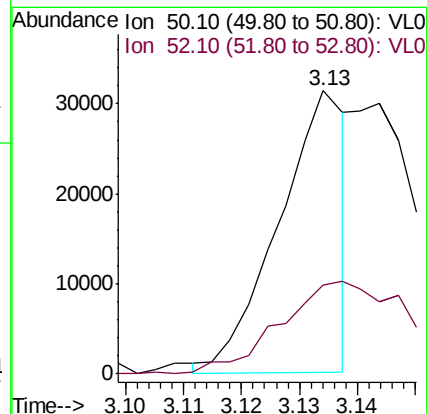
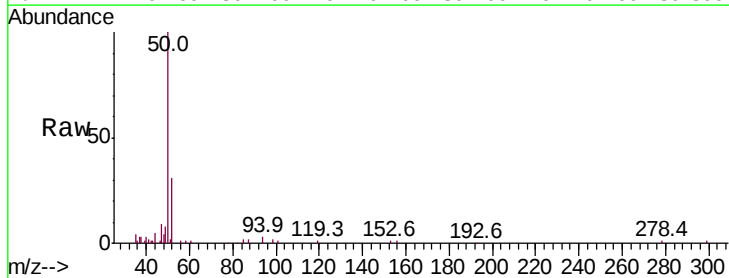
Acq: 2 Nov 2021 4:43

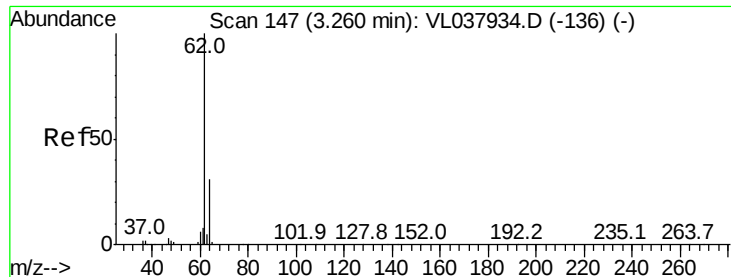
Tgt Ion: 50 Resp: 25209

Ion Ratio Lower Upper

50 100

52 31.6 26.3 39.5





#5

Vinyl Chloride

Concen: 0.436 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

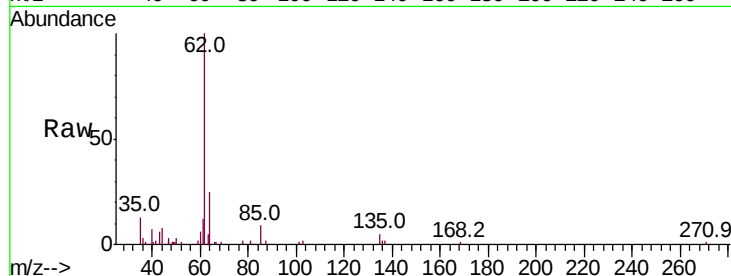
Acq: 2 Nov 2021 4:43

Tot Ion: 62 Resp: 39880

Ion Ratio Lower Upper

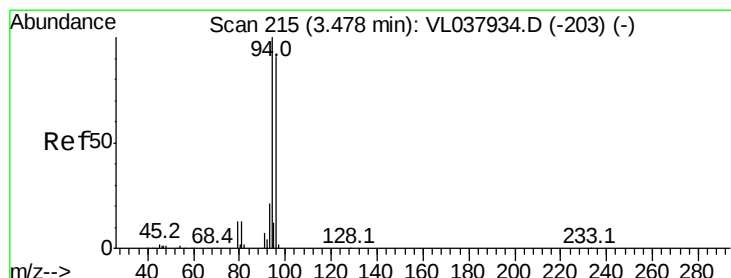
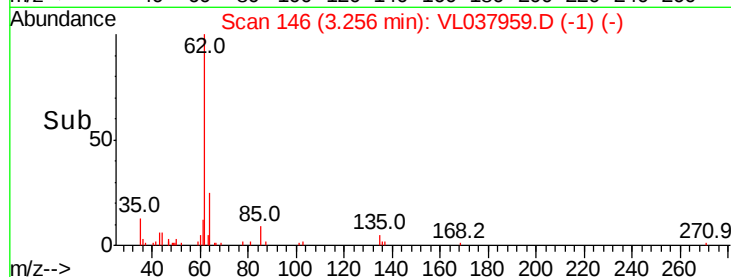
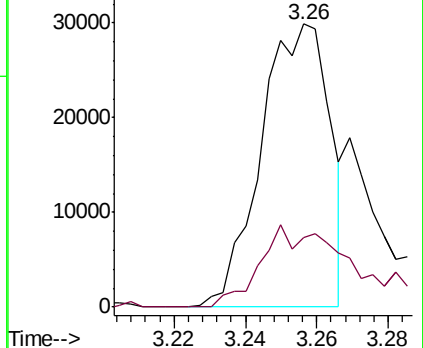
62 100

64 24.6 24.7 37.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.531 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL037959.D

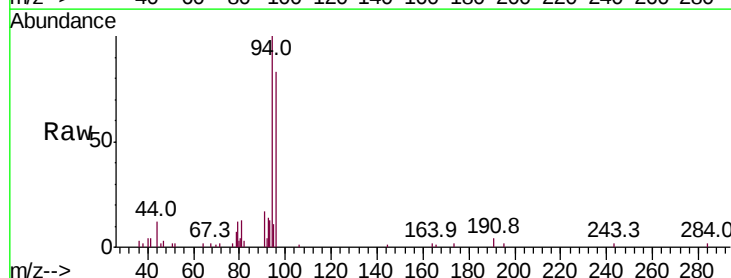
Acq: 2 Nov 2021 4:43

Tgt Ion: 94 Resp: 26245

Ion Ratio Lower Upper

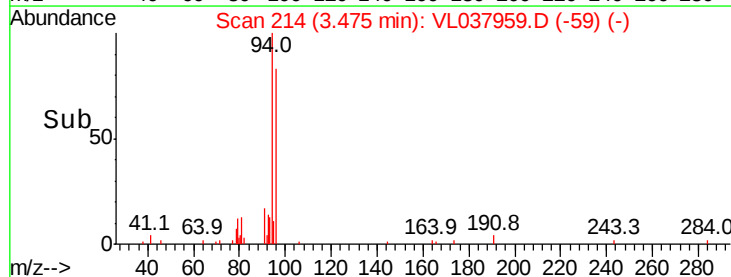
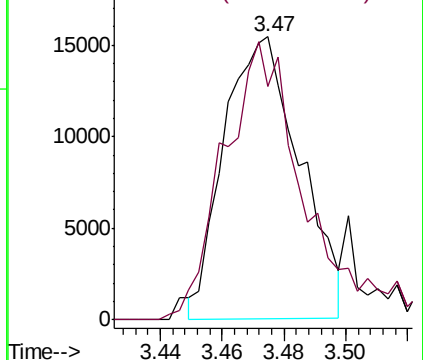
94 100

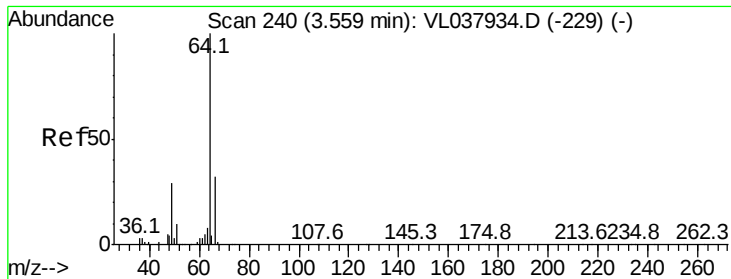
96 77.8 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.524 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

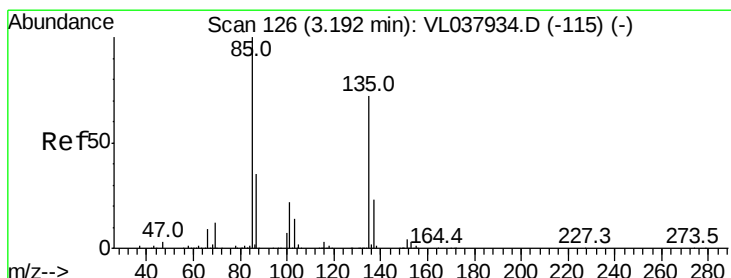
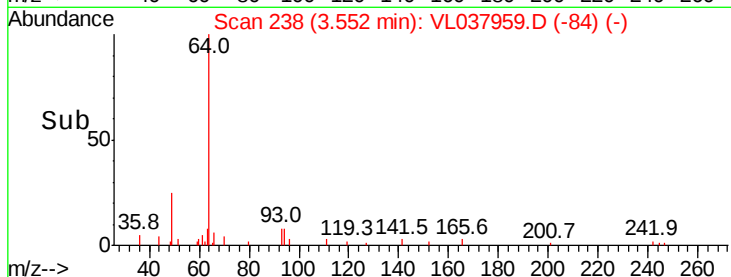
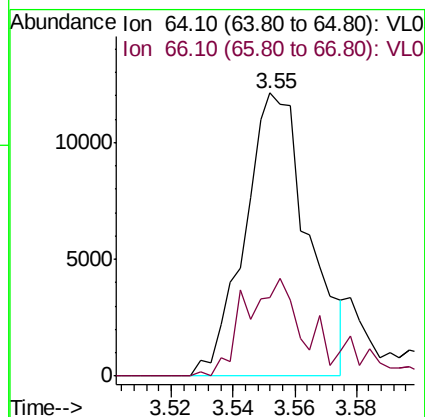
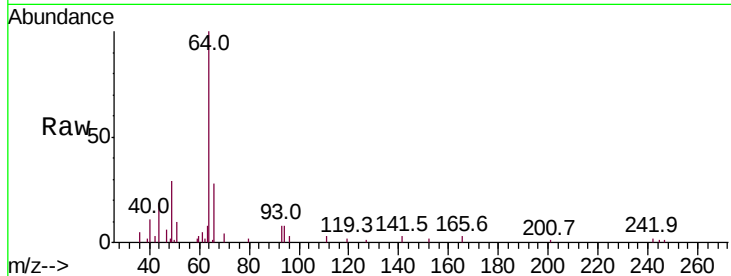
Acq: 2 Nov 2021 4:43 LOQ-AIR-02-OT4-2021

Tot Ion: 64 Resp: 17298

Ion Ratio Lower Upper

64 100

66 27.6 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 0.622 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL037959.D

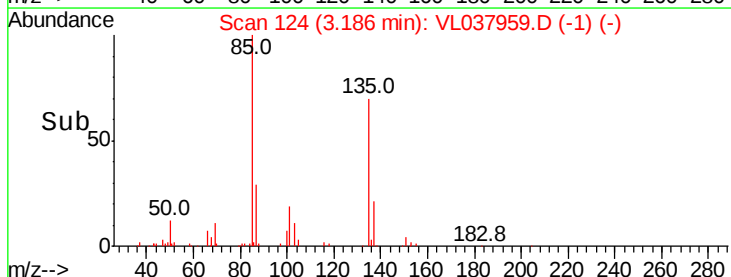
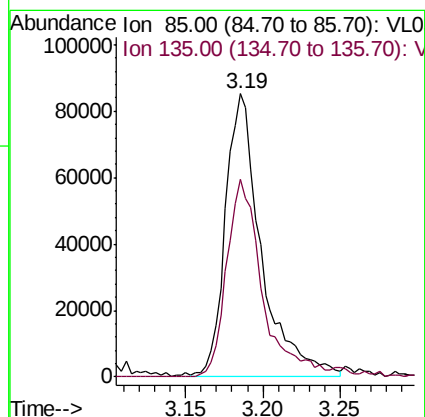
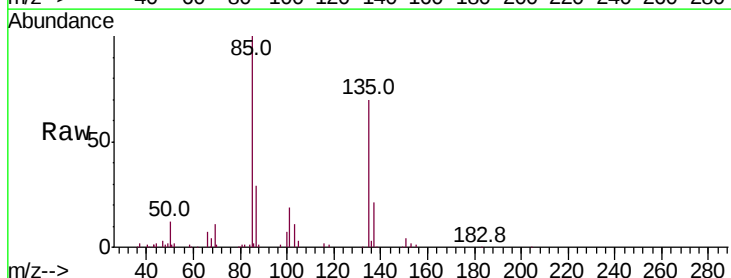
Acq: 2 Nov 2021 4:43

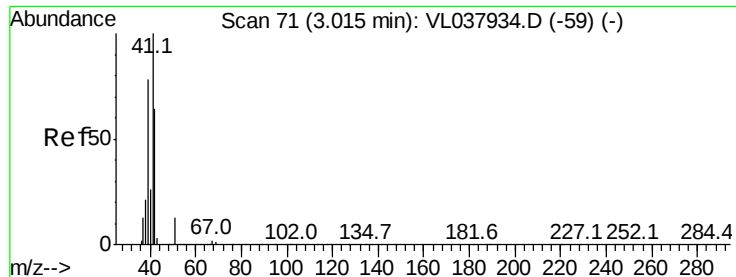
Tgt Ion: 85 Resp: 135570

Ion Ratio Lower Upper

85 100

135 72.7 58.8 88.2





#9

Propene

Concen: 0.449 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

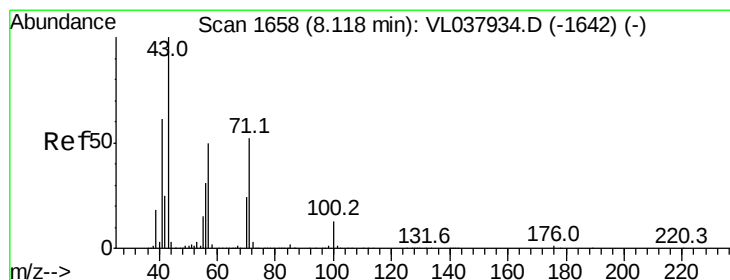
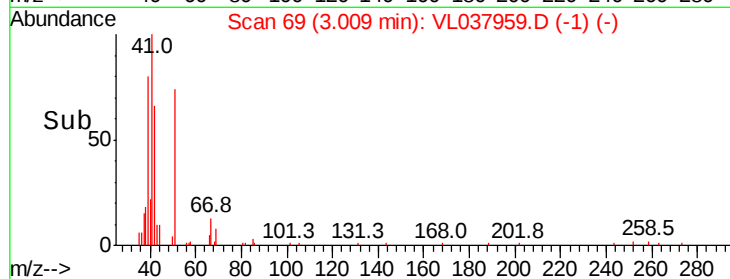
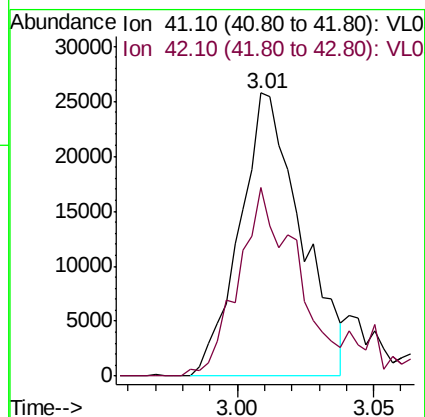
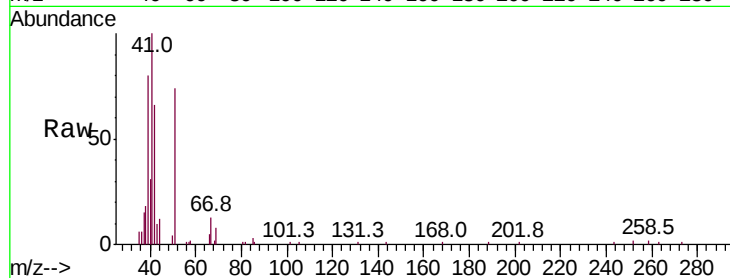
Acq: 2 Nov 2021 4:43

Tot Ion: 41 Resp: 40188

Ion Ratio Lower Upper

41 100

42 76.1 57.6 86.4



#10

Heptane

Concen: 0.455 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL037959.D

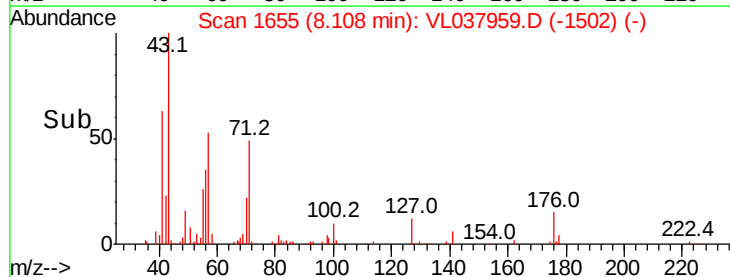
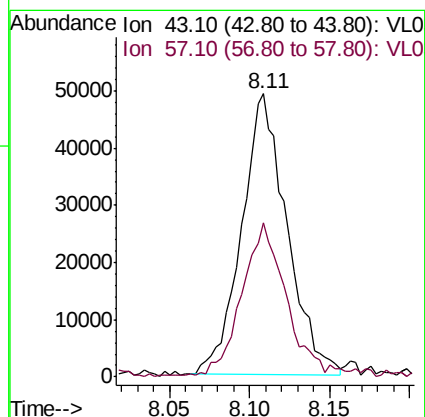
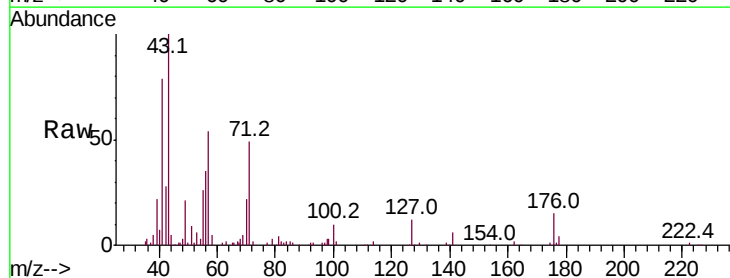
Acq: 2 Nov 2021 4:43

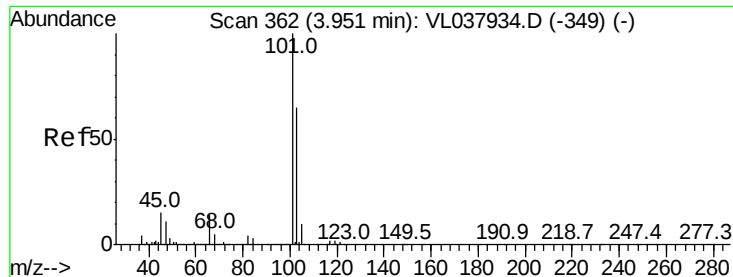
Tgt Ion: 43 Resp: 94781

Ion Ratio Lower Upper

43 100

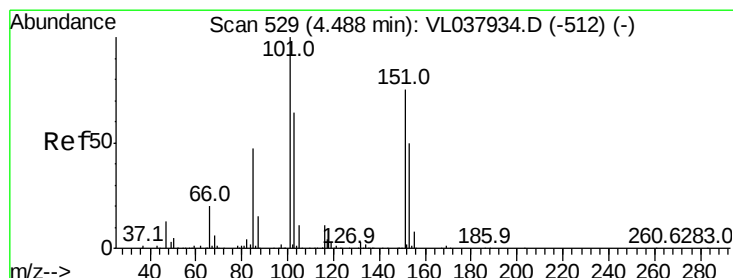
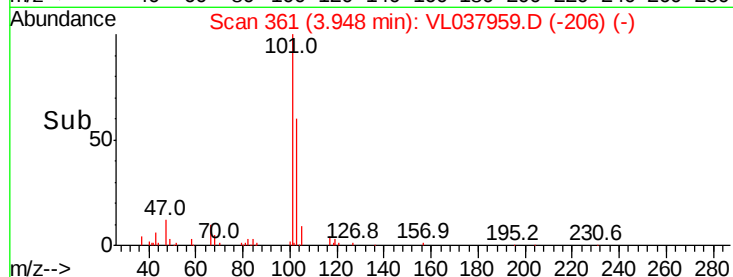
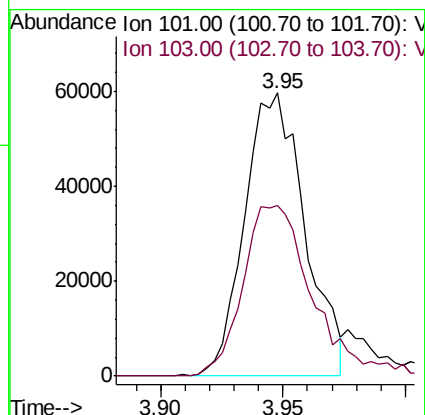
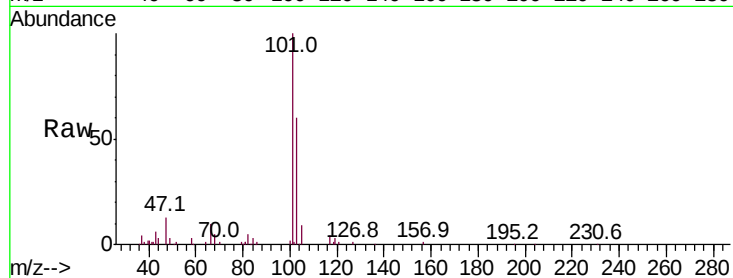
57 54.3 39.8 59.8





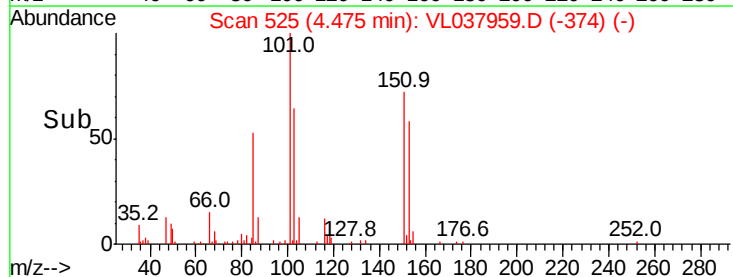
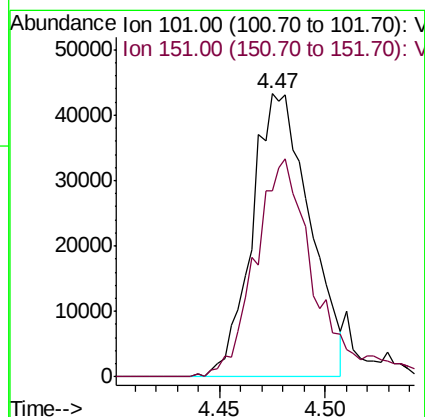
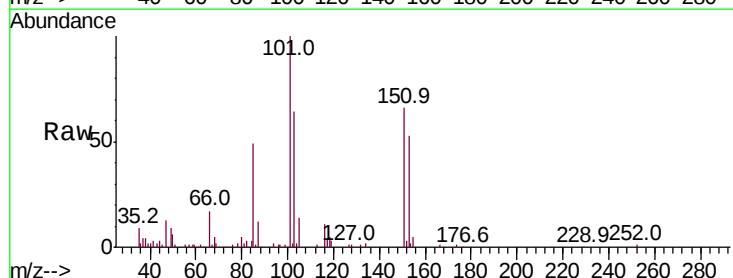
#11
 Trichlorofluoromethane
 Concen: 0.543 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 4:43

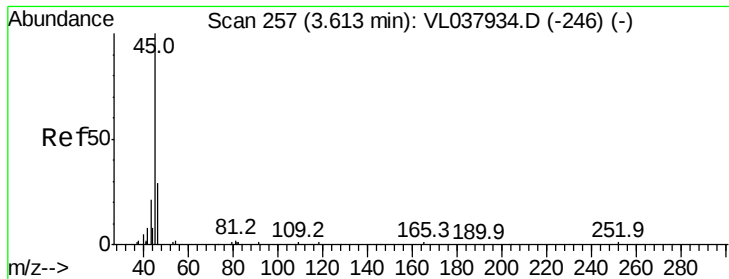
Tot Ion:101 Resp: 102197
 Ion Ratio Lower Upper
 101 100
 103 60.2 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.562 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL037959.D
 Acq: 2 Nov 2021 4:43

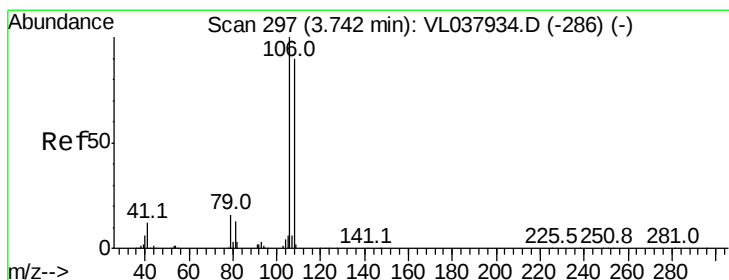
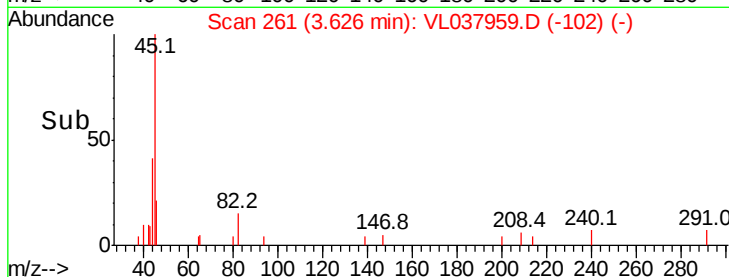
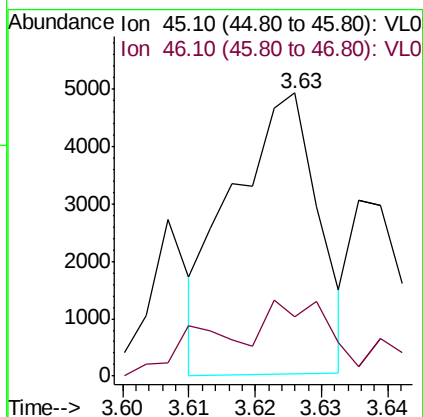
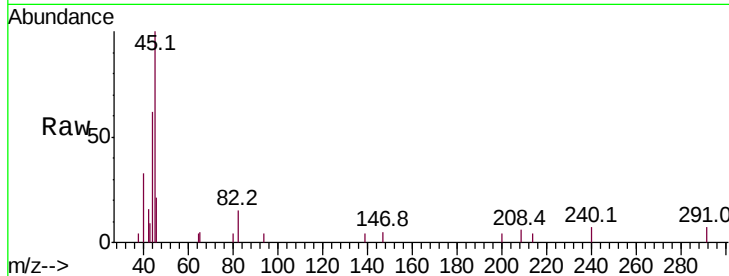
Tgt Ion:101 Resp: 82430
 Ion Ratio Lower Upper
 101 100
 151 81.1 61.8 92.8





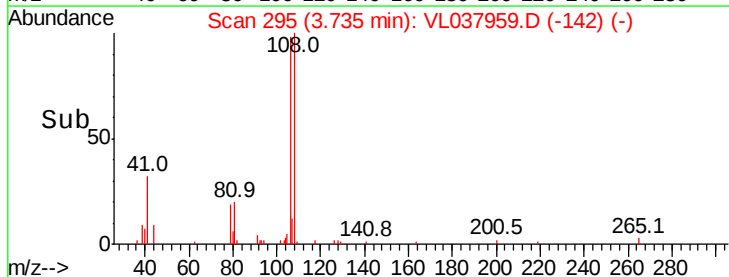
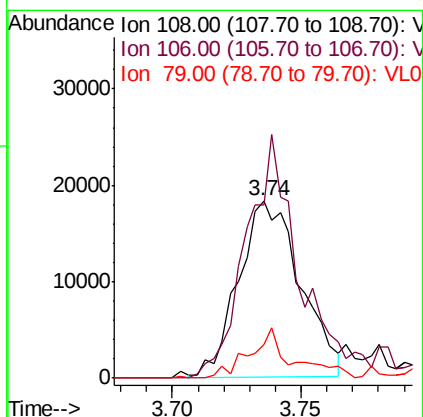
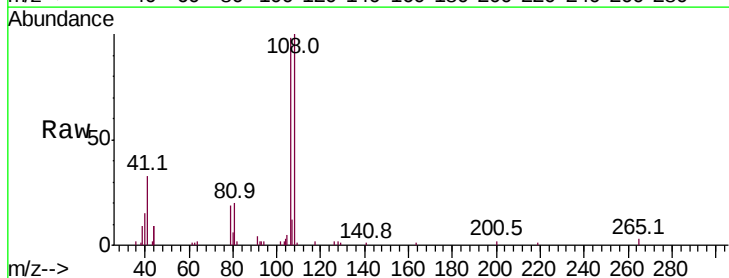
#13
 Ethanol
 Concen: 0.493 ppbv
 RT: 3.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 2 Nov 2021 4:43

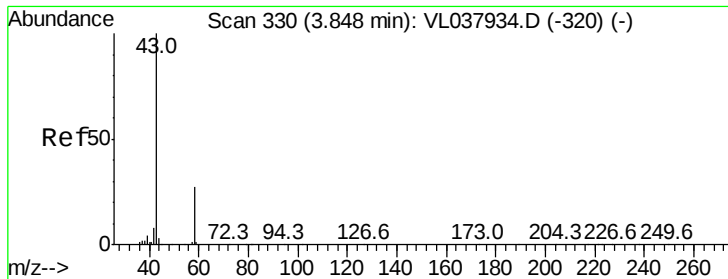
Tot Ion: 45 Resp: 4454
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.4 69.8#



#14
 Bromoethene
 Concen: 0.480 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VL037959.D
 Acq: 2 Nov 2021 4:43

Tgt Ion: 108 Resp: 30813
 Ion Ratio Lower Upper
 108 100
 106 126.6 88.4 132.6
 79 21.9 12.4 18.6#





#15

Acetone

Concen: 0.190 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

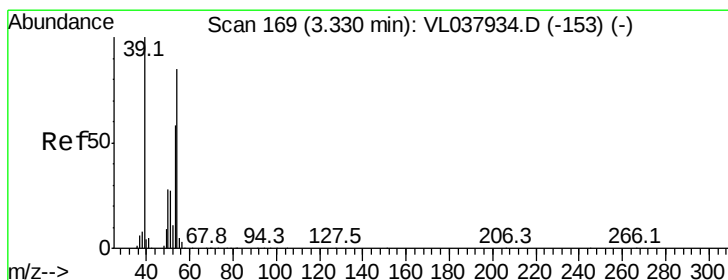
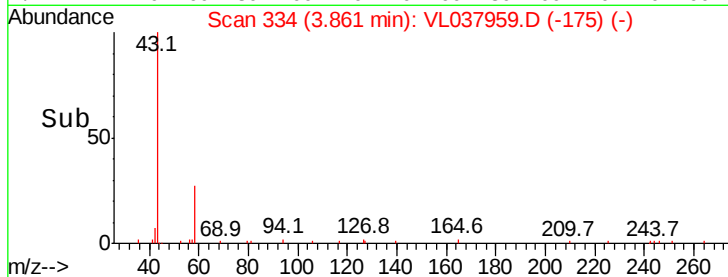
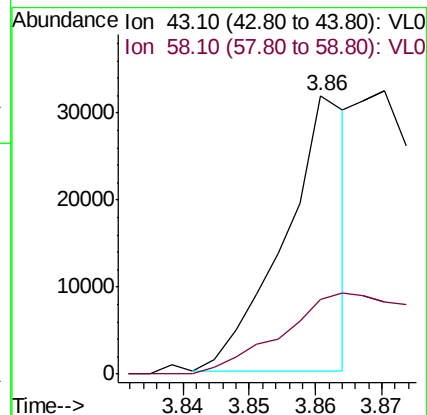
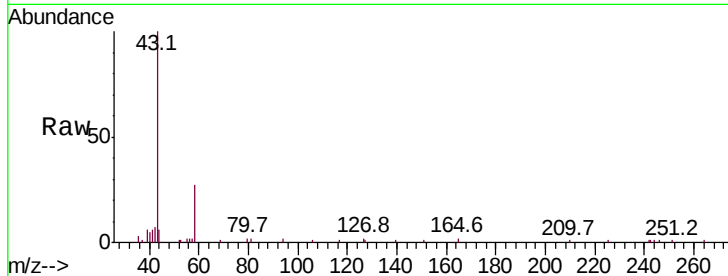
Acq: 2 Nov 2021 4:43 LOQ-AIR-02-OT4-2021

Tot Ion: 43 Resp: 21089

Ion Ratio Lower Upper

43 100

58 104.8 23.3 34.9#



#16

1,3-Butadiene

Concen: 0.389 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL037959.D

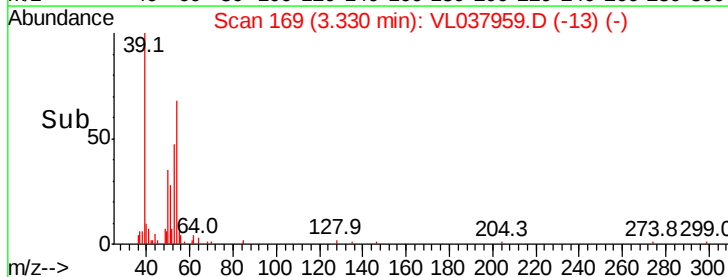
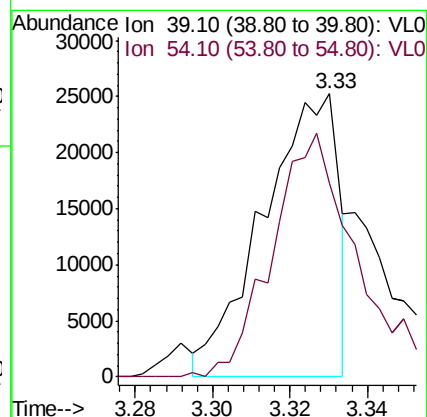
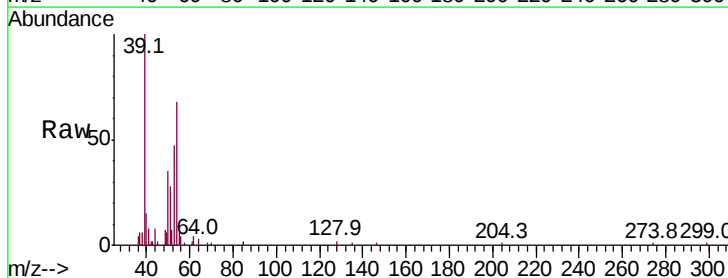
Acq: 2 Nov 2021 4:43

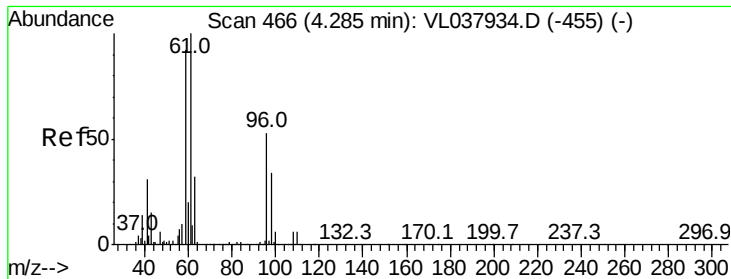
Tgt Ion: 39 Resp: 34009

Ion Ratio Lower Upper

39 100

54 106.9 62.6 93.8#





#17

tert-Butyl alcohol

Concen: 0.181 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

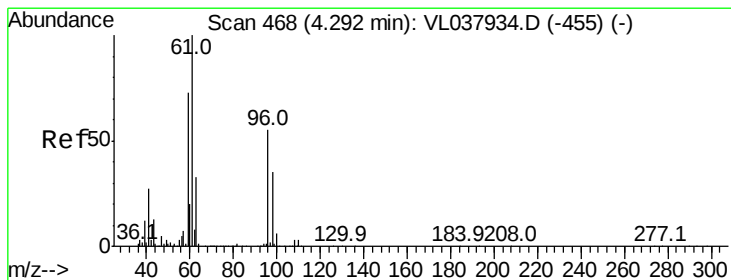
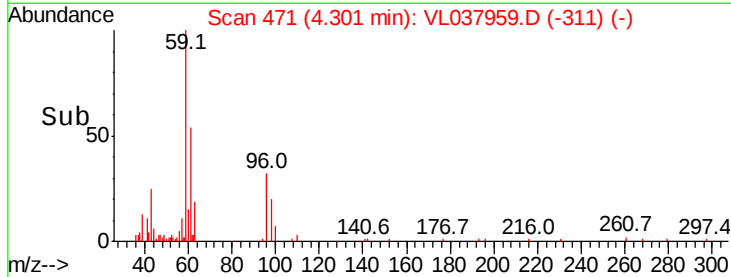
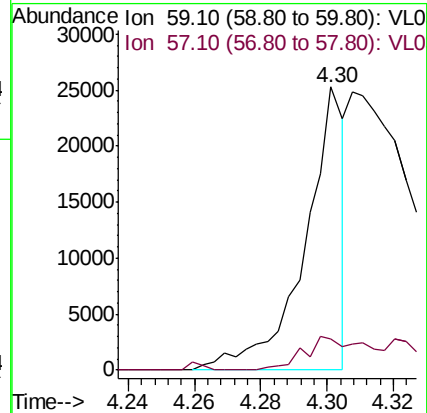
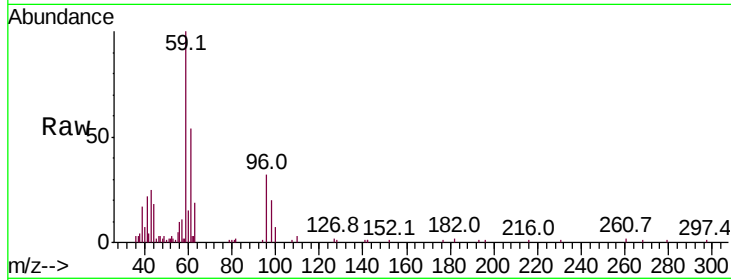
Acq: 2 Nov 2021 4:43

Tot Ion: 59 Resp: 20881

Ion Ratio Lower Upper

59 100

57 34.8 8.9 13.3#



#18

1,1-Dichloroethene

Concen: 0.517 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

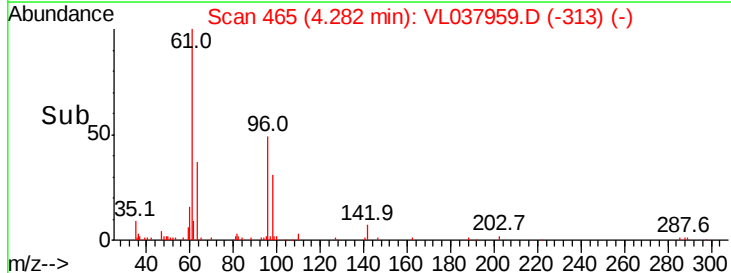
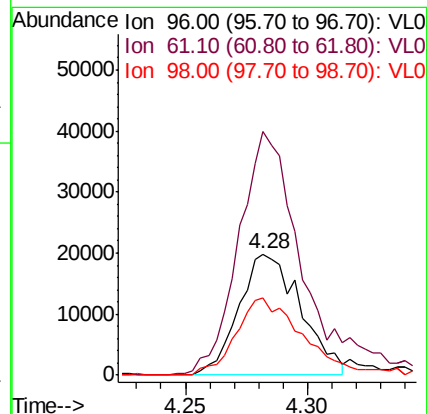
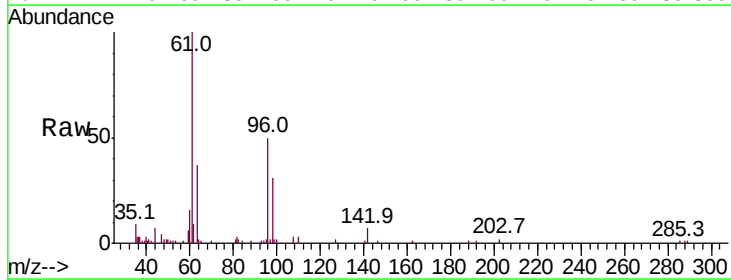
Tgt Ion: 96 Resp: 34904

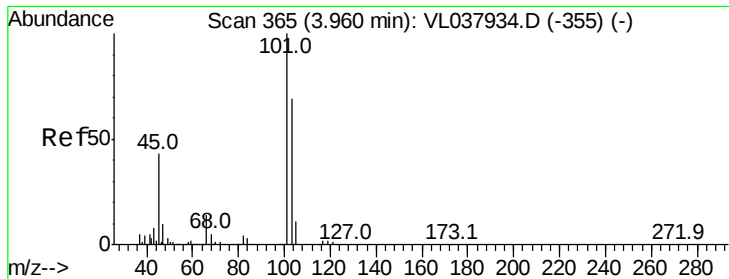
Ion Ratio Lower Upper

96 100

61 198.3 144.3 216.5

98 63.4 50.5 75.7





#19

Isopropyl Alcohol

Concen: 0.267 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

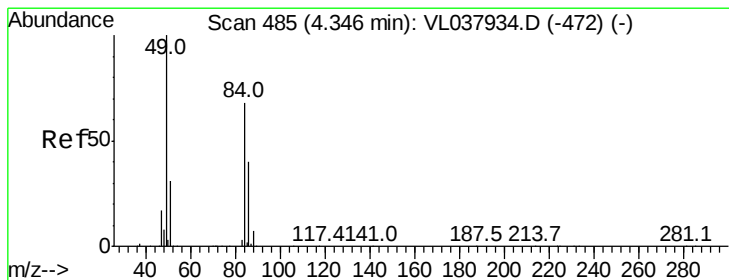
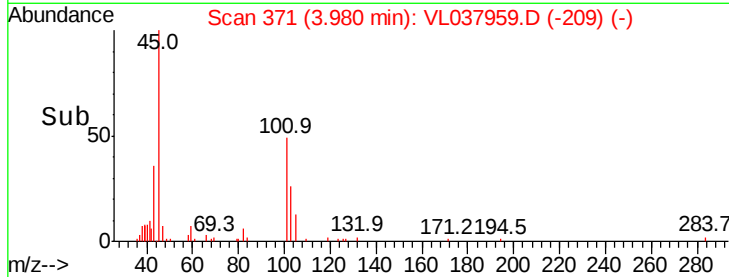
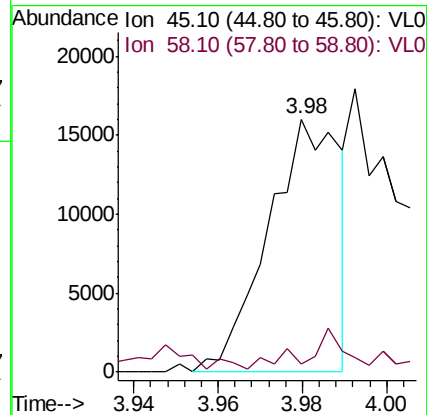
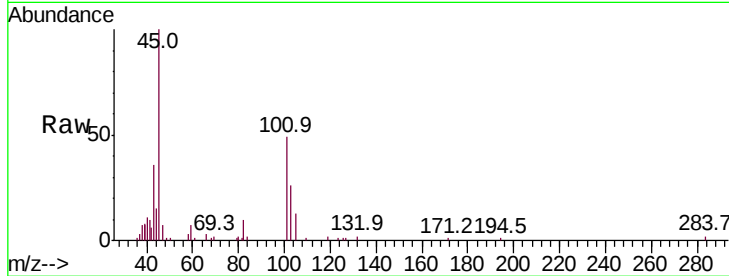
Acq: 2 Nov 2021 4:43

Tot Ion: 45 Resp: 18947

Ion Ratio Lower Upper

45 100

58 0.0 4.0 6.0#



#20

Methylene Chloride

Concen: 0.452 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion: 84 Resp: 27520

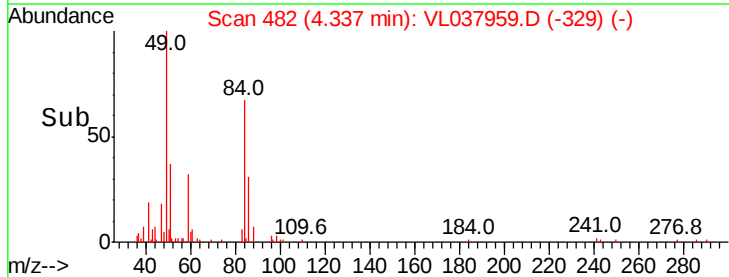
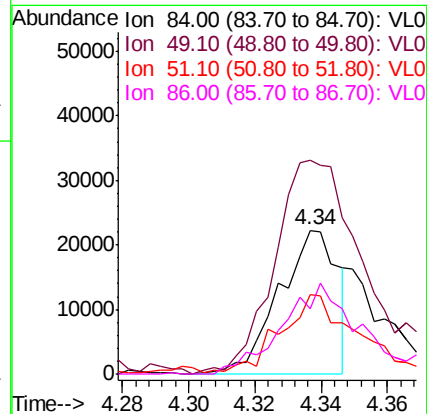
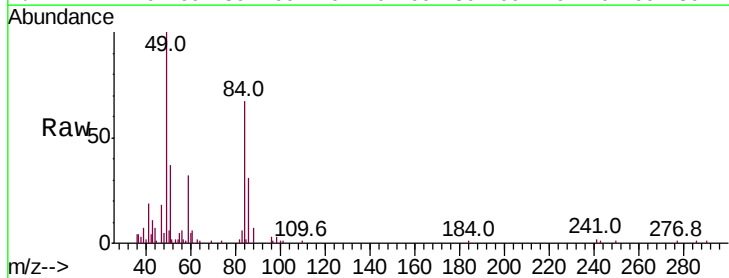
Ion Ratio Lower Upper

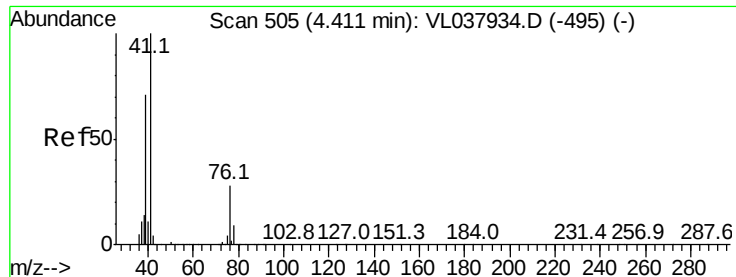
84 100

49 148.9 117.5 176.3

51 54.4 35.9 53.9#

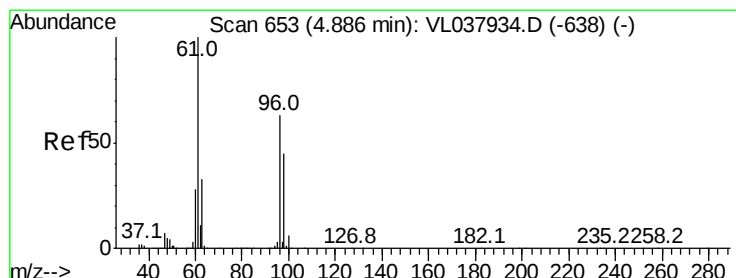
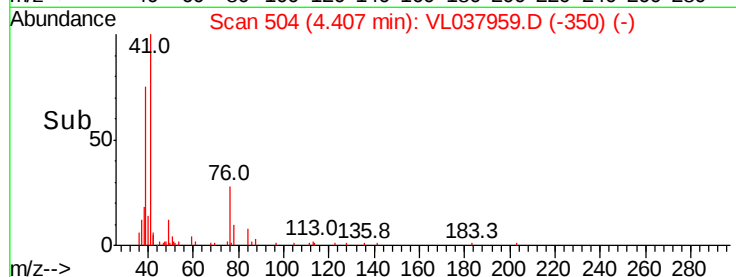
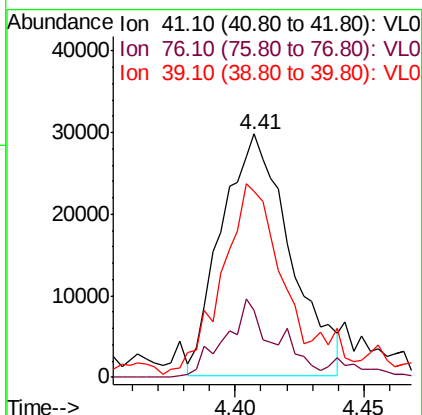
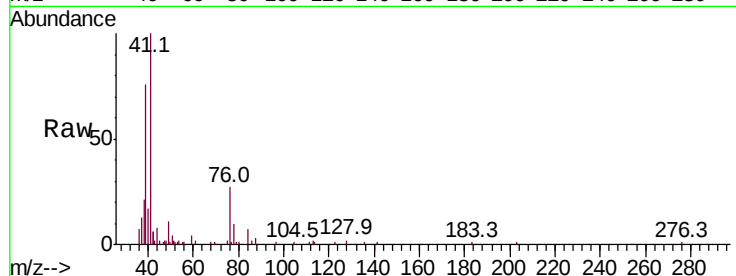
86 45.7 47.3 70.9#





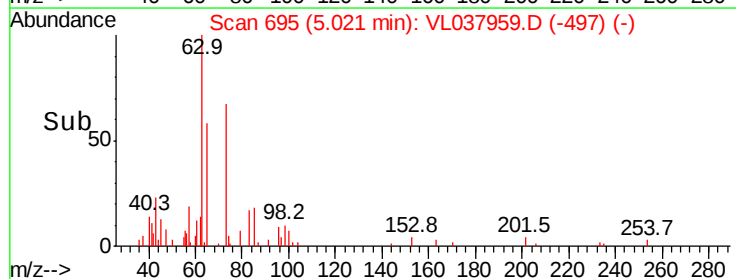
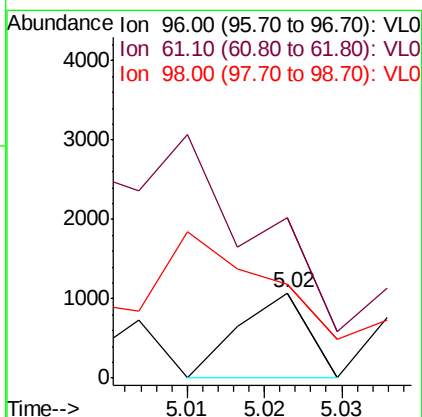
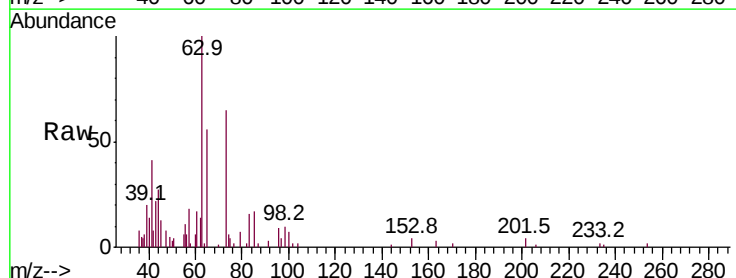
#21
Allvl Chloride
Concen: 0.540 ppbv
RT: 4.41 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 4:43

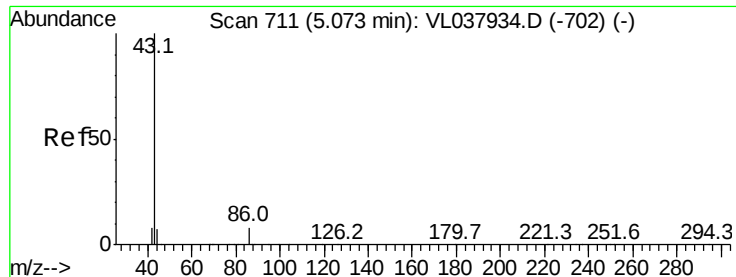
Tot Ion	Ratio	Lower	Upper
41	100		
76	28.6	23.6	35.4
39	82.1	59.7	89.5



#22
trans-1,2-Dichloroethene
Concen: 0.005 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.14 min
Lab File: VL037959.D
Acq: 2 Nov 2021 4:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.0	127.8	191.6
98	64.3	56.9	85.3





#23

Vinyl Acetate

Concen: 0.164 ppbv

RT: 5.07 Instrument:

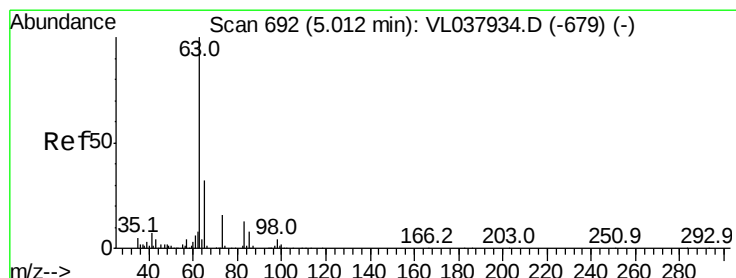
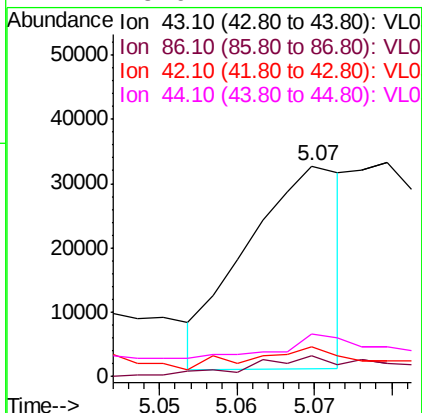
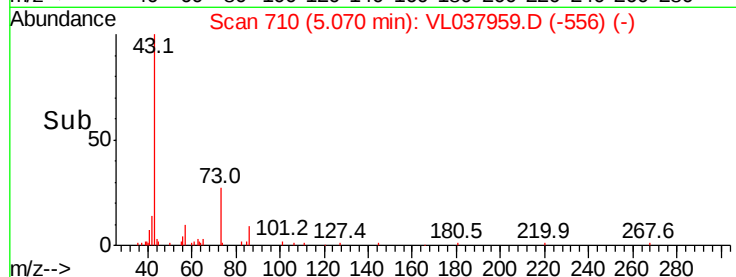
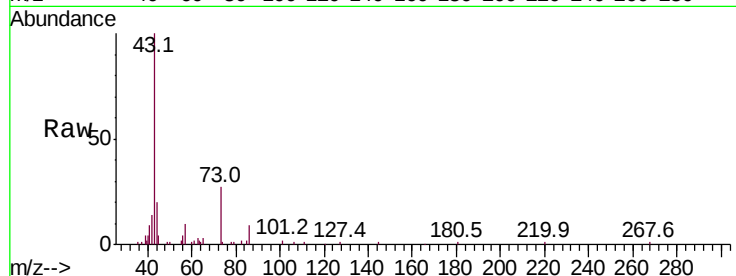
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

Tot Ion: 43 Resp: 27318

Ion	Ratio	Lower	Upper
43	100		
86	9.5	5.5	8.3#
42	14.6	7.4	11.2#
44	15.9	4.7	7.1#



#24

1,1-Dichloroethane

Concen: 0.351 ppbv

RT: 5.00 min Scan# 688

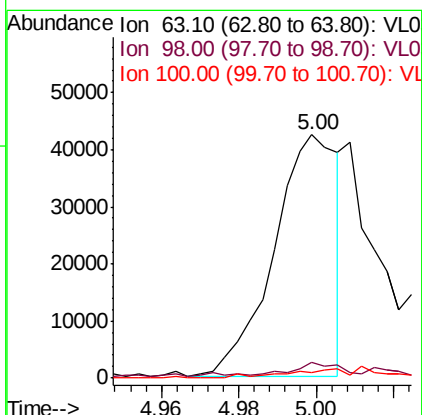
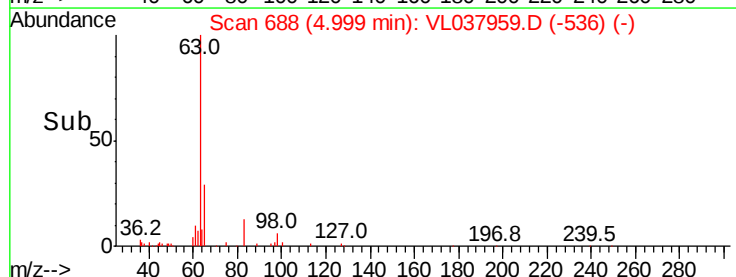
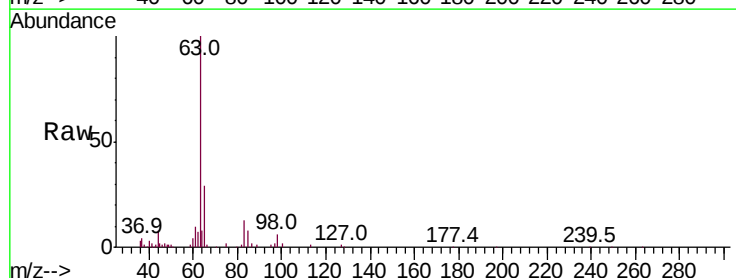
Delta R.T. -0.01 min

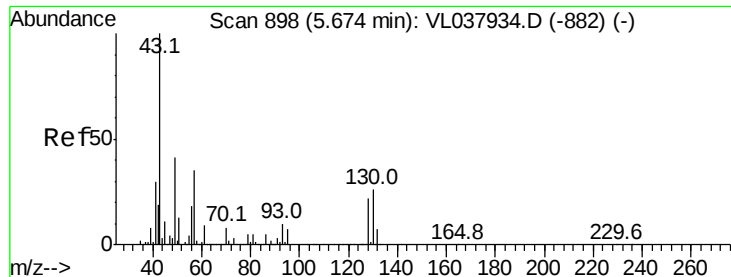
Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion: 63 Resp: 48382

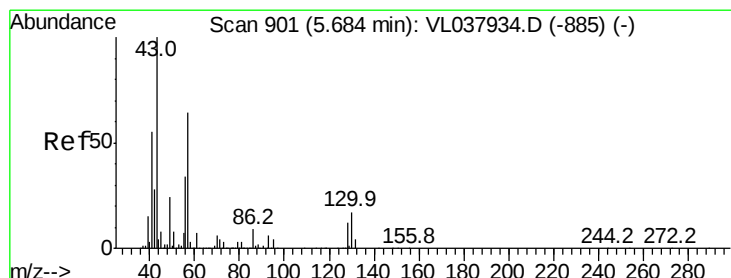
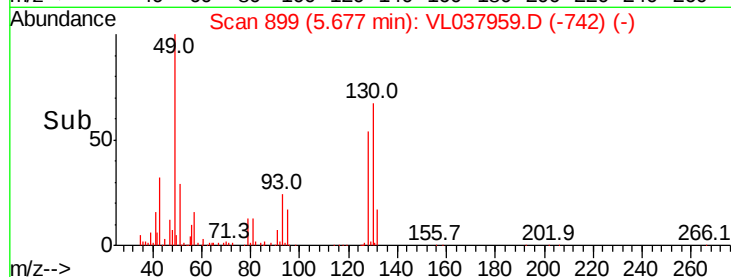
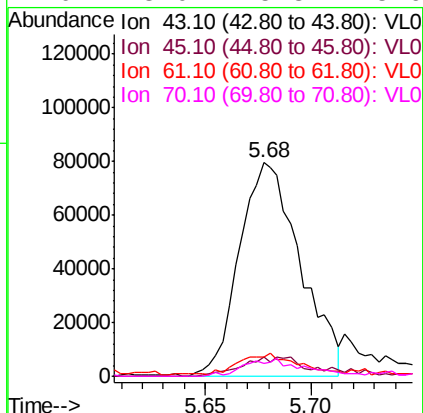
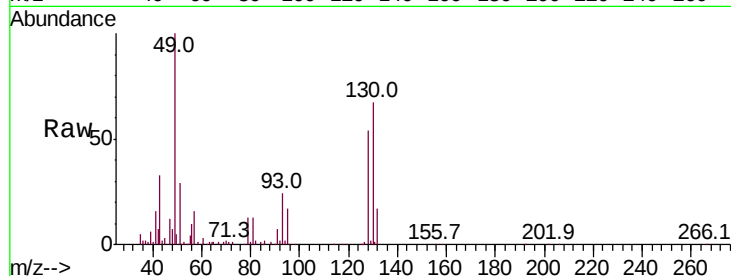
Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.3	6.9
100	2.3	1.2	3.6





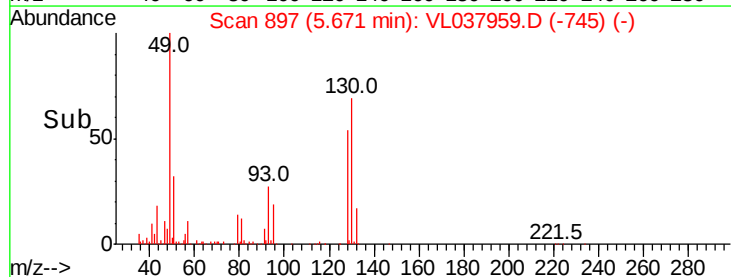
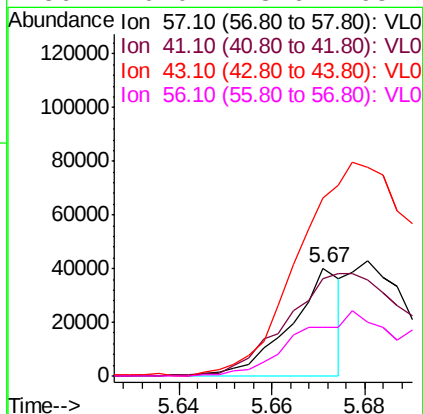
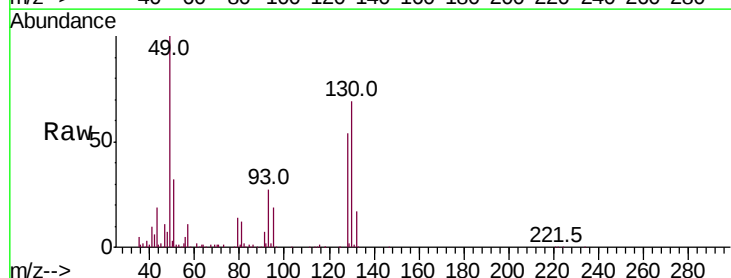
#25
Ethyl Acetate
Concen: 0.485 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 4:43

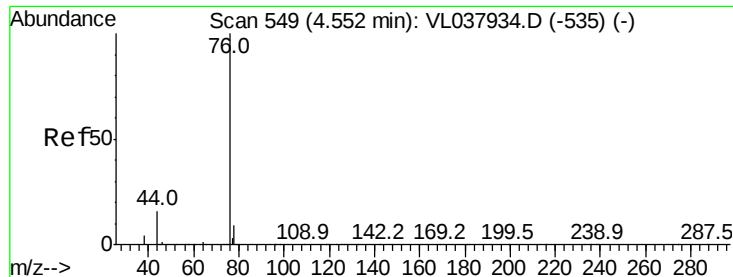
Tot Ion:	43	Resp:	159866
Ion	Ratio	Lower	Upper
43	100		
45	11.7	8.1	12.1
61	11.0	8.1	12.1
70	8.0	5.8	8.6



#26
Hexane
Concen: 0.195 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL037959.D
Acq: 2 Nov 2021 4:43

Tgt Ion:	57	Resp:	30477
Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.0	106.6#
43	0.0	173.0	259.6#
56	0.0	43.6	65.4#





#27

Carbon Disulfide

Concen: 0.391 ppbv

RT: 4.55 Instrument:

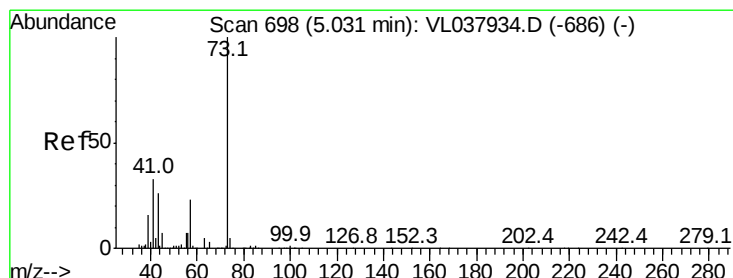
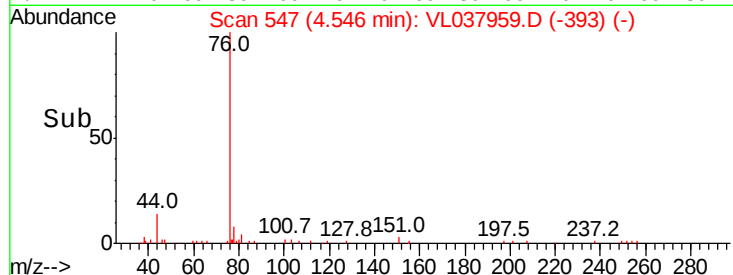
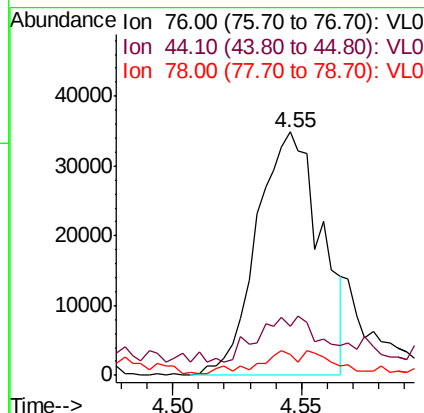
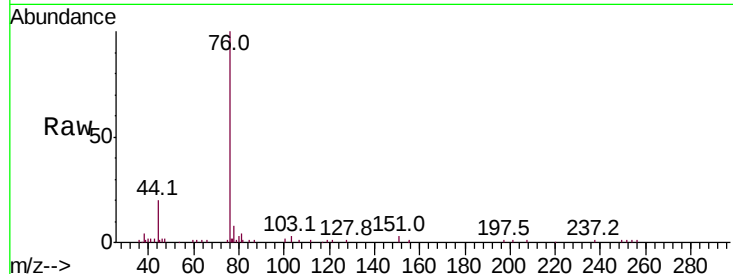
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

Tot Ion: 76 Resp: 60283

Ion	Ratio	Lower	Upper
76	100		
44	26.6	13.2	19.8#
78	13.2	7.2	10.8#



#28

Methyl tert-Butyl Ether

Concen: 0.447 ppbv

RT: 5.04 min Scan# 701

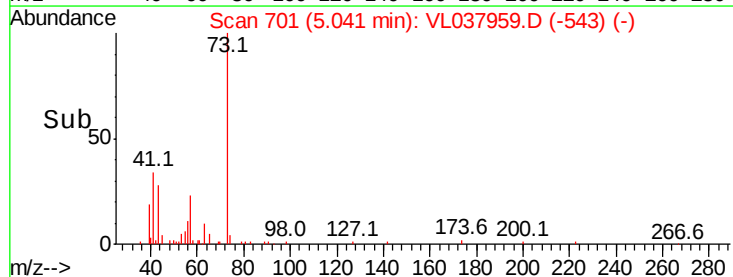
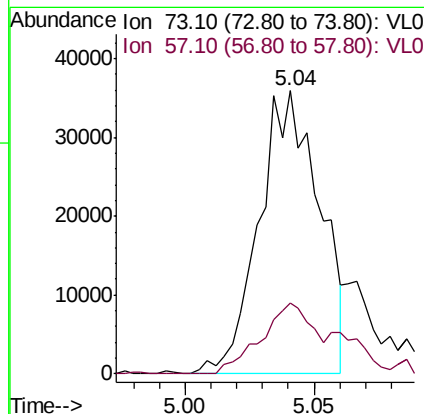
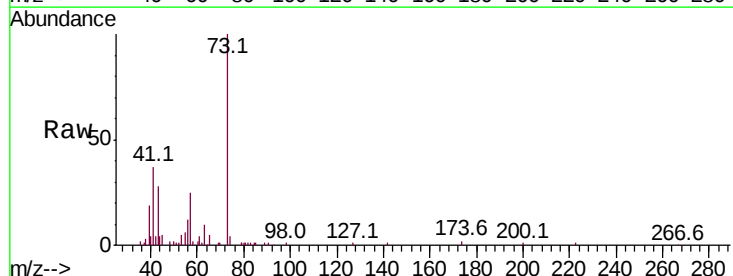
Delta R.T. 0.01 min

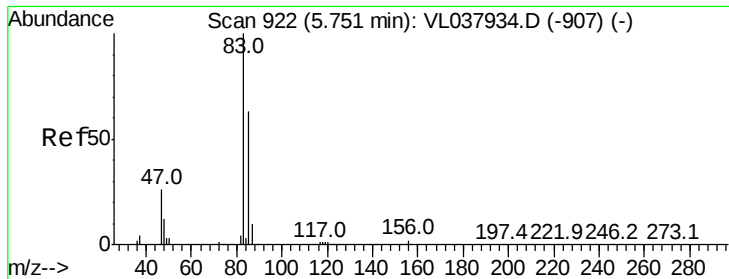
Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion: 73 Resp: 58684

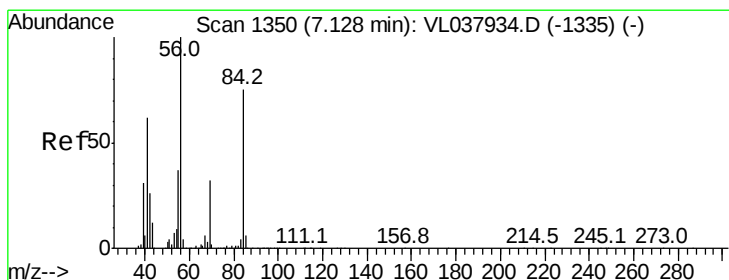
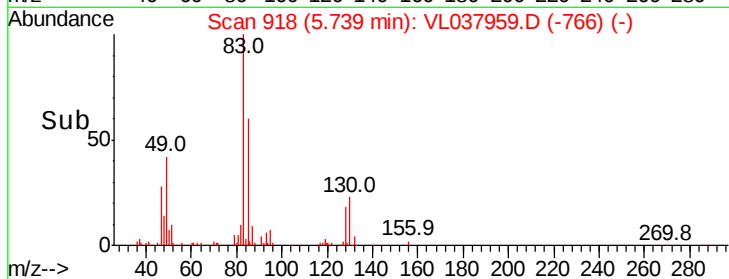
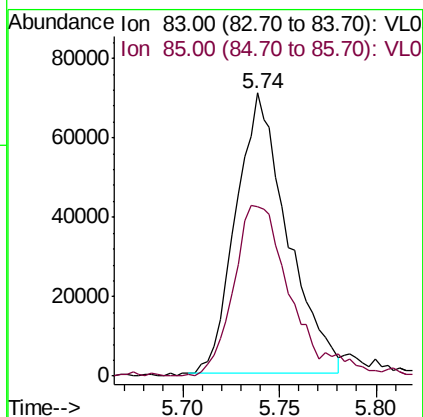
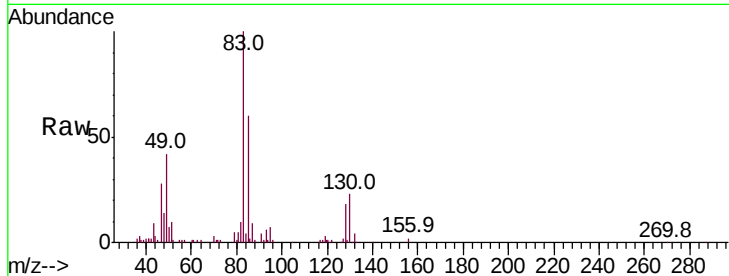
Ion	Ratio	Lower	Upper
73	100		
57	33.0	20.1	30.1#





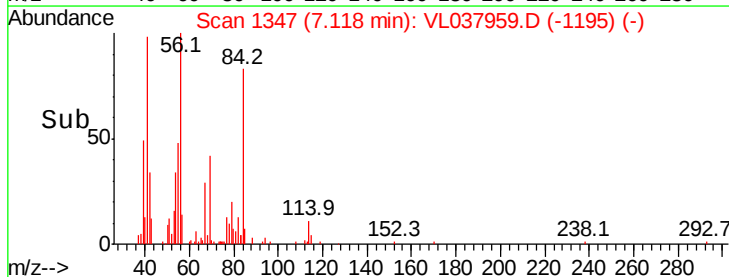
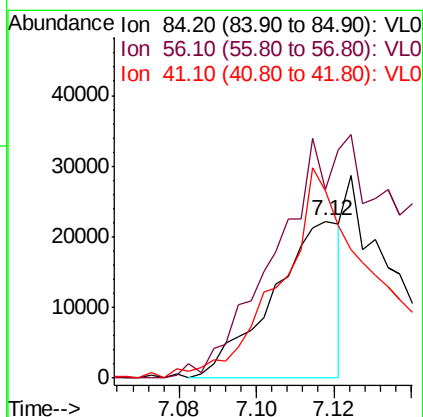
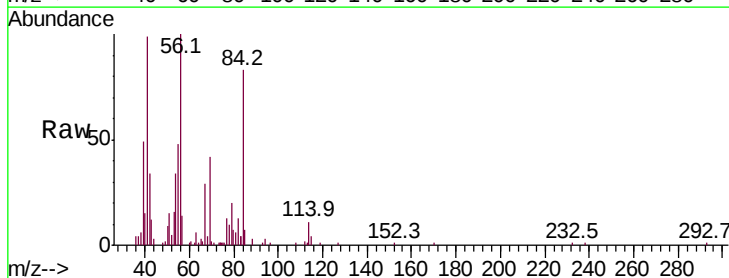
#29
Chloroform
Concen: 0.565 ppbv
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Nov 2021 4:43

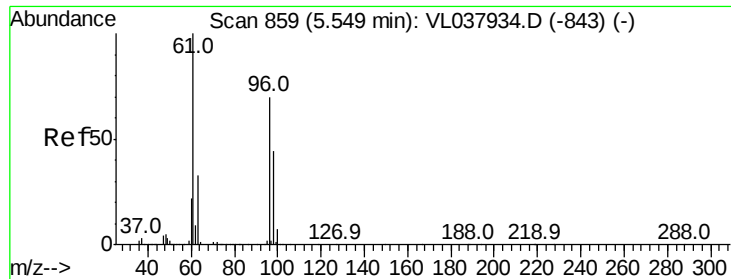
Tot Ion: 83 Resp: 131566
Ion Ratio Lower Upper
83 100
85 60.0 50.6 76.0



#30
Cyclohexane
Concen: 0.203 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL037959.D
Acq: 2 Nov 2021 4:43

Tgt Ion: 84 Resp: 27110
Ion Ratio Lower Upper
84 100
56 0.0 114.0 171.0#
41 196.0 68.3 102.5#





#31

cis-1,2-Dichloroethene

Concen: 0.425 ppbv

RT: 5.54

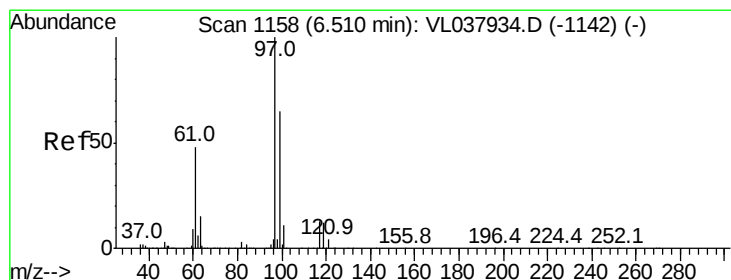
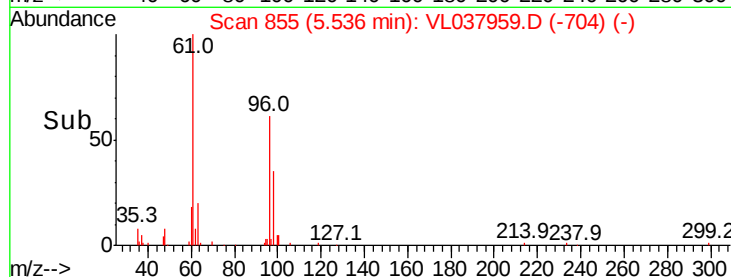
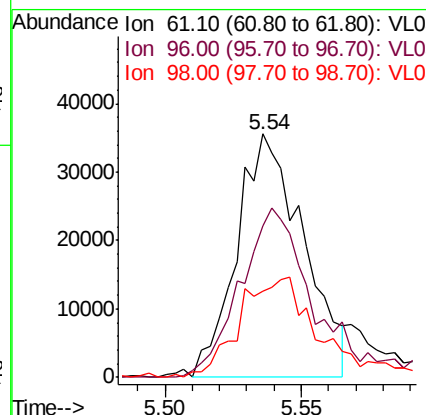
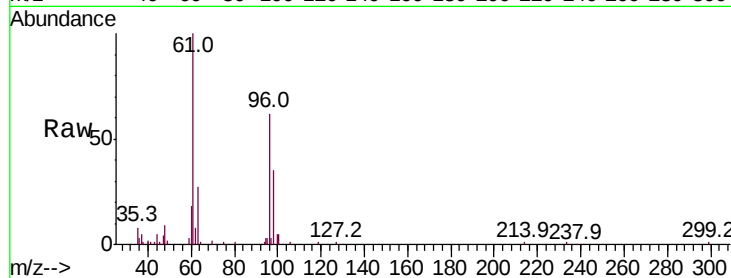
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

Tot Ion: 61 Resp: 60542

Ion	Ratio	Lower	Upper
61	100		
96	59.2	55.6	83.4
98	32.9	34.9	52.3#



#32

1,1,1-Trichloroethane

Concen: 0.272 ppbv

RT: 6.50 min Scan# 1154

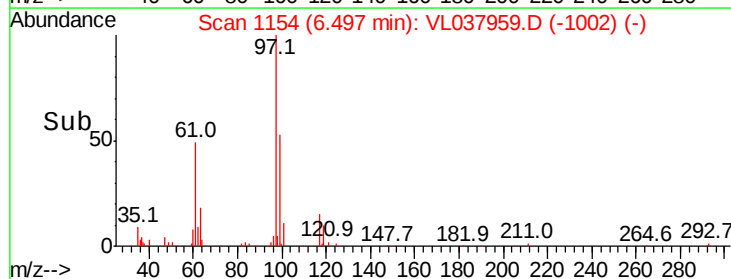
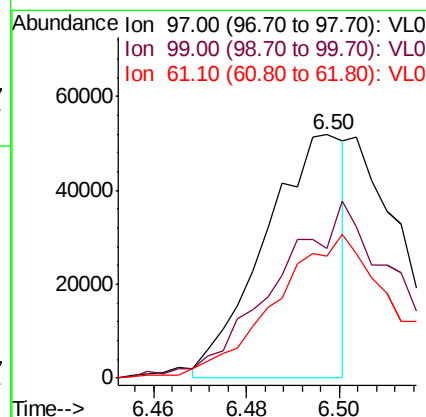
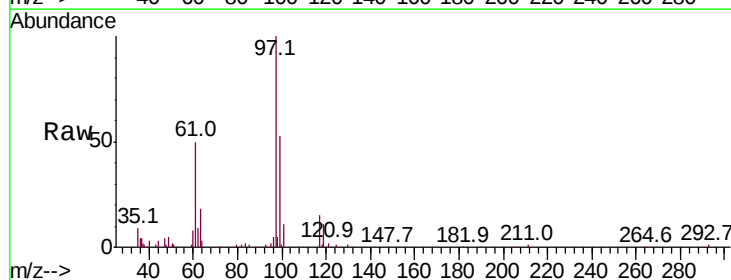
Delta R.T. -0.01 min

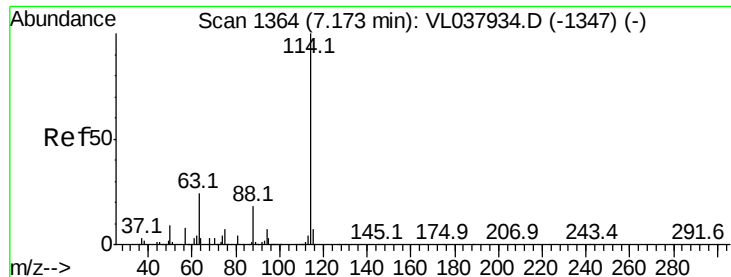
Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion: 97 Resp: 62195

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.4#
61	0.0	39.8	59.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument: MSVOA_1

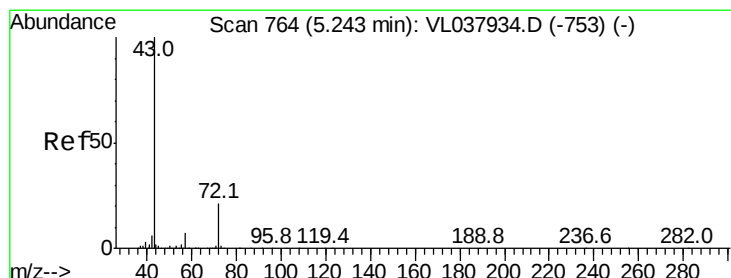
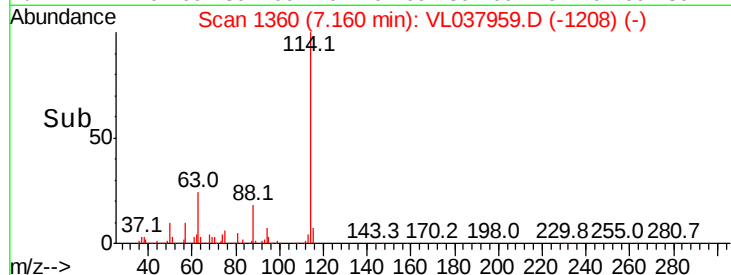
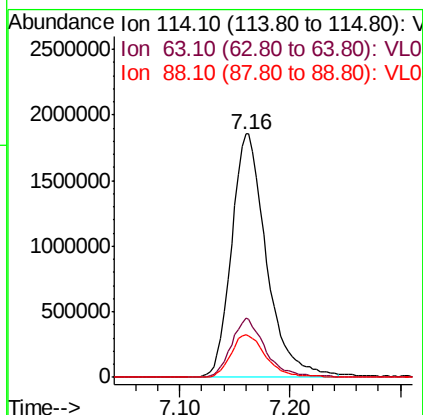
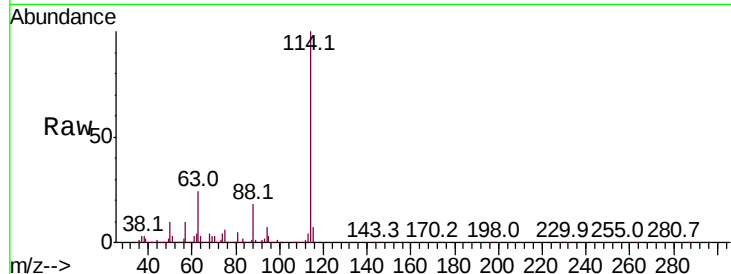
Delta R.T. ClientSampleId:

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

Acq: 2 Nov 2021 4:43

Tot Ion:114 Resp: 4072949

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.0
88	17.7	14.2	21.4



#34

2-Butanone

Concen: 0.418 ppbv

RT: 5.25 min Scan# 766

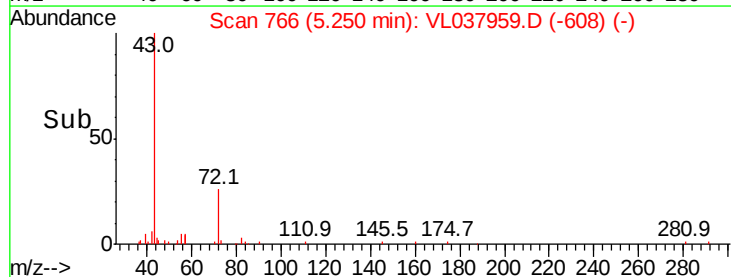
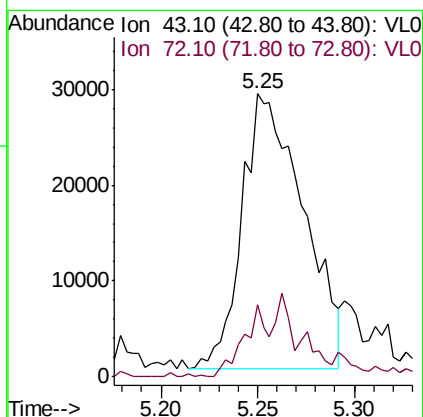
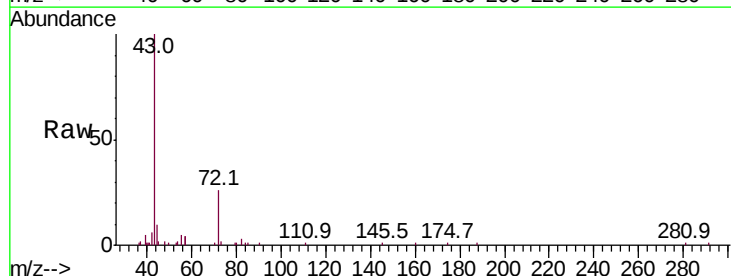
Delta R.T. 0.01 min

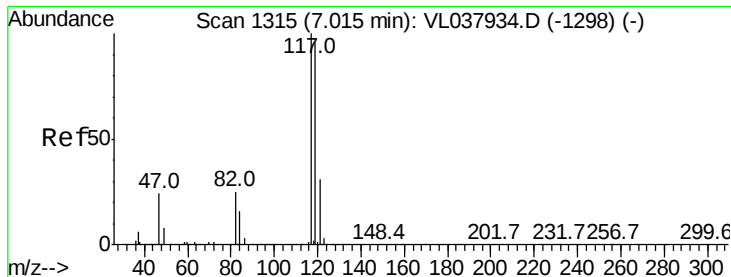
Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion: 43 Resp: 63141

Ion	Ratio	Lower	Upper
43	100		
72	27.5	18.3	27.5#





#35

Carbon Tetrachloride

Concen: 0.475 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

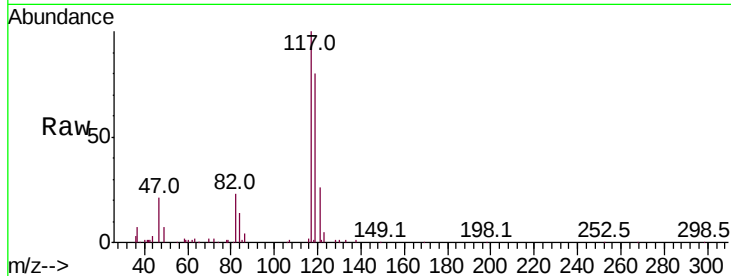
Tot Ion:117 Resp: 117019

Ion Ratio Lower Upper

117 100

119 79.1 76.6 114.8

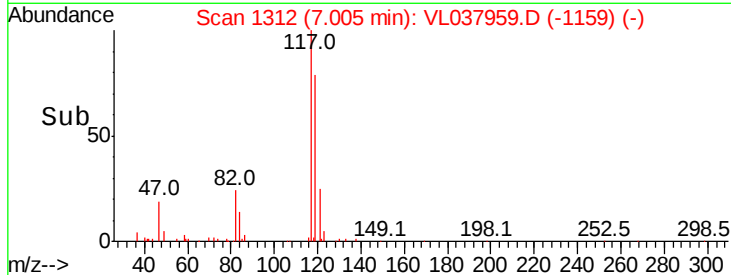
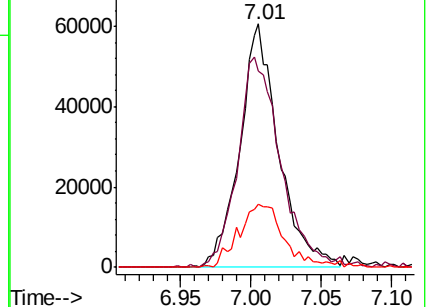
121 26.1 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.467 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

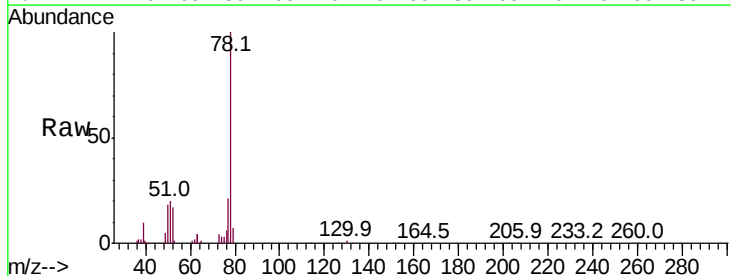
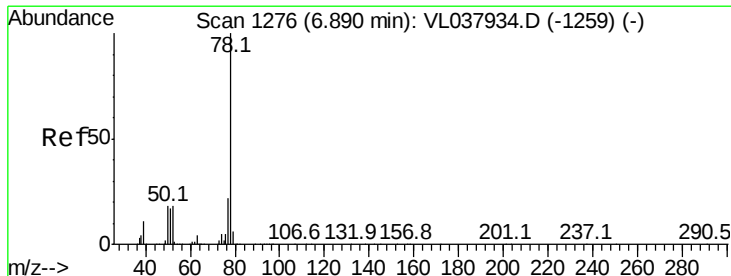
Tgt Ion: 78 Resp: 154899

Ion Ratio Lower Upper

78 100

77 20.4 17.9 26.9

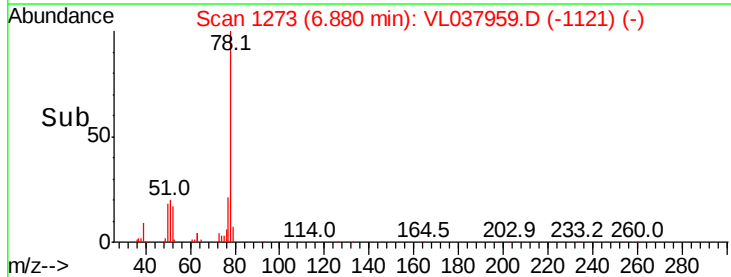
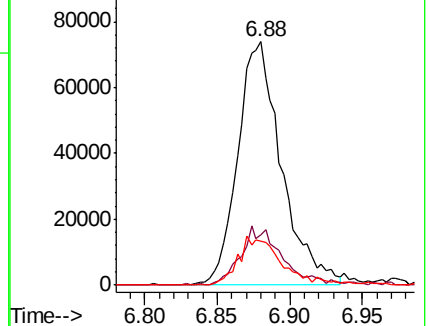
50 17.7 14.4 21.6

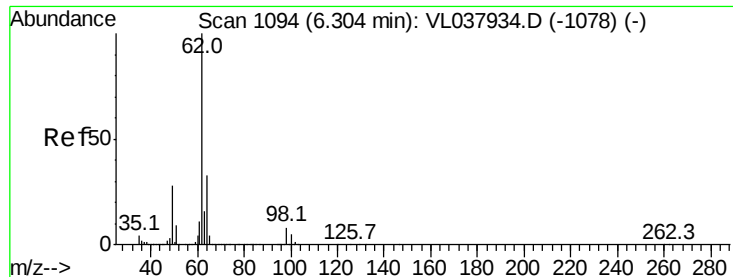


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

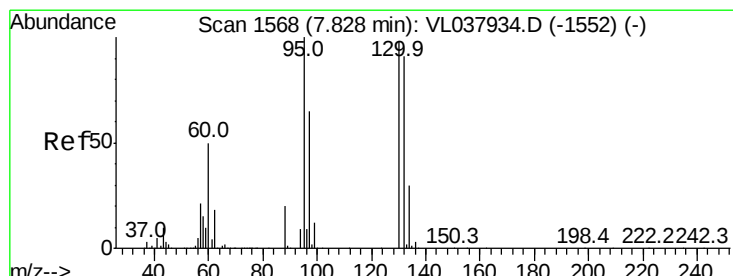
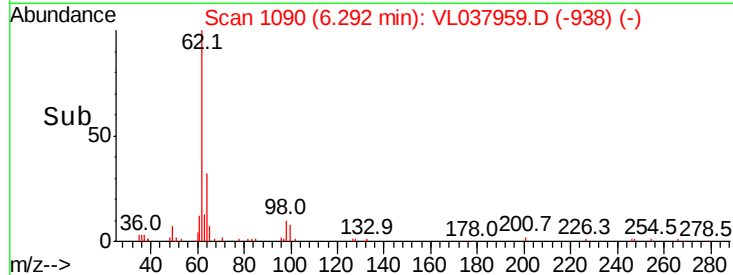
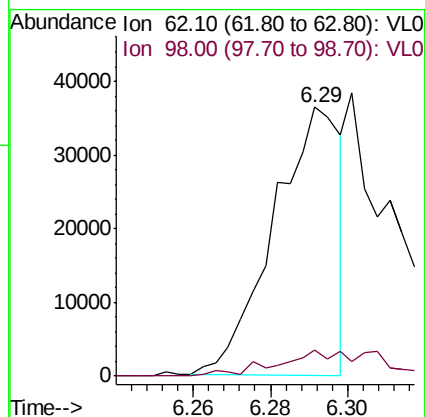
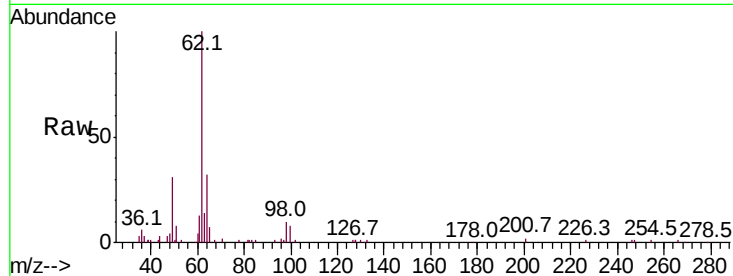
Ion 50.10 (49.80 to 50.80): VL0





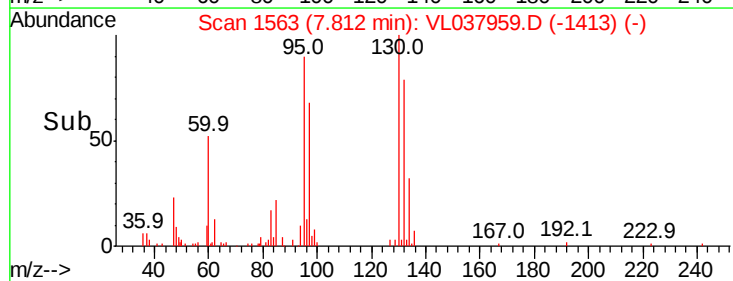
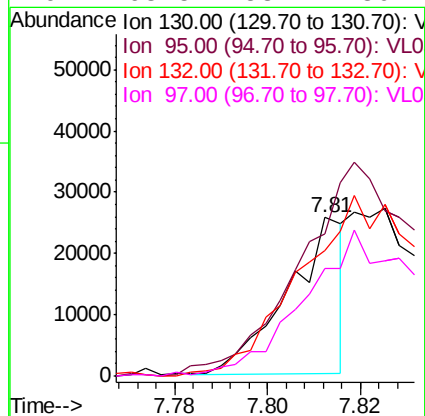
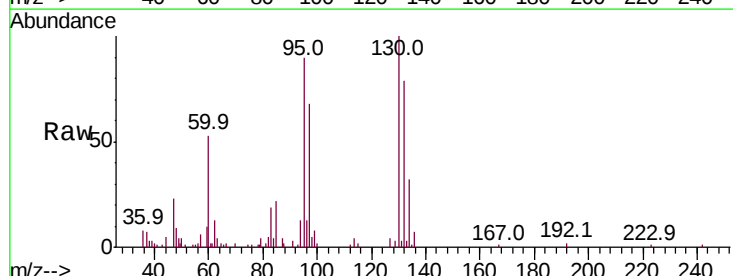
#37
 1,2-Dichloroethane
 Concen: 0.277 ppbv
 RT: 6.29
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 4:43

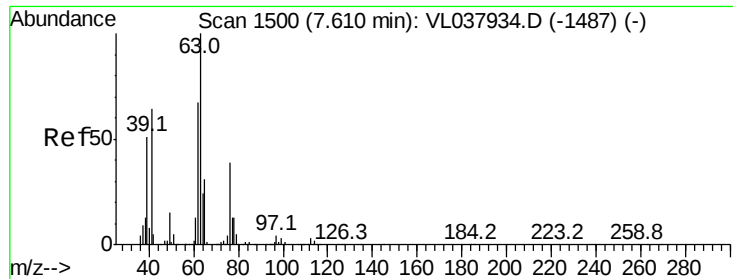
Tot Ion: 62 Resp: 43677
 Ion Ratio Lower Upper
 62 100
 98 14.5 6.5 9.7#



#38
 Trichloroethene
 Concen: 0.157 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL037959.D
 Acq: 2 Nov 2021 4:43

Tgt Ion:130 Resp: 21604
 Ion Ratio Lower Upper
 130 100
 95 84.5 81.8 122.8
 132 78.0 74.2 111.2
 97 68.5 53.4 80.2





#39

1,2-Dichloropropane

Concen: 0.218 ppbv

RT: 7.60 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

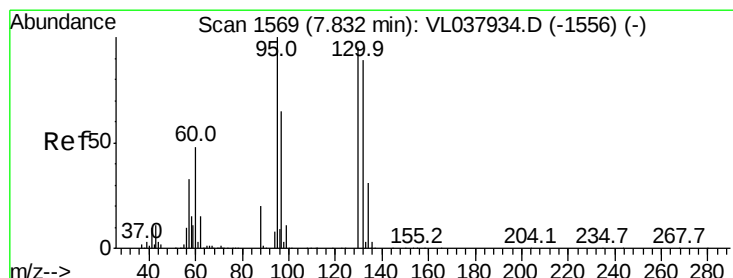
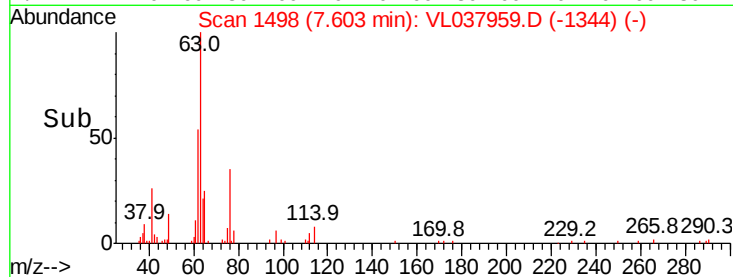
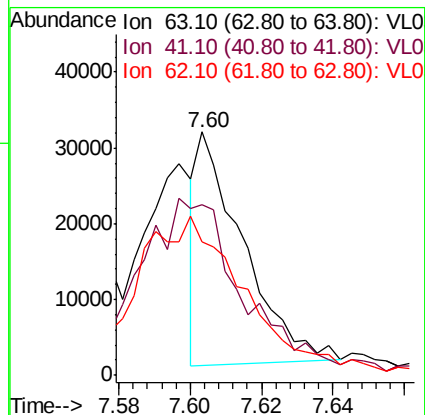
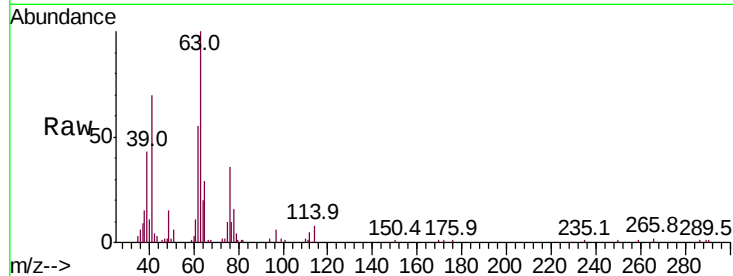
Tot Ion: 63 Resp: 27254

Ion Ratio Lower Upper

63 100

41 70.5 51.6 77.4

62 53.9 53.5 80.3



#40

1,4-Dioxane

Concen: 0.004 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion: 88 Resp: 141

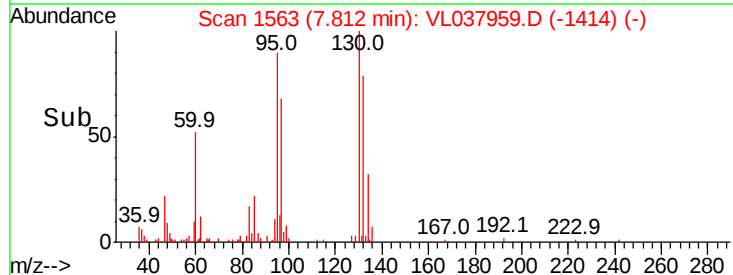
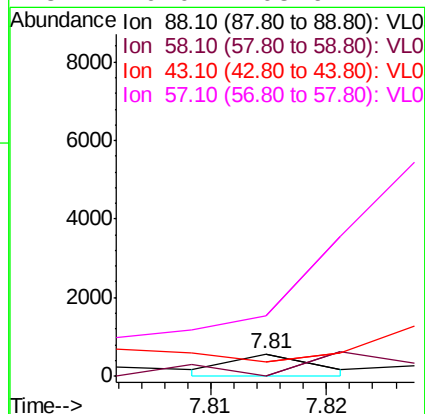
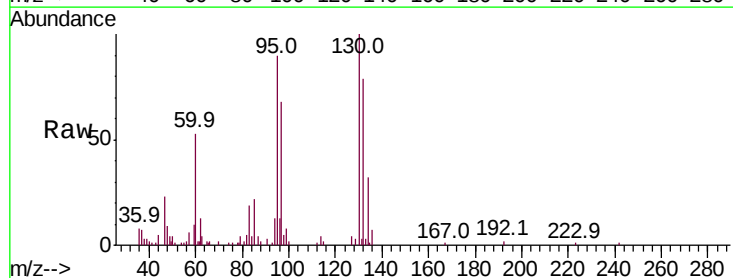
Ion Ratio Lower Upper

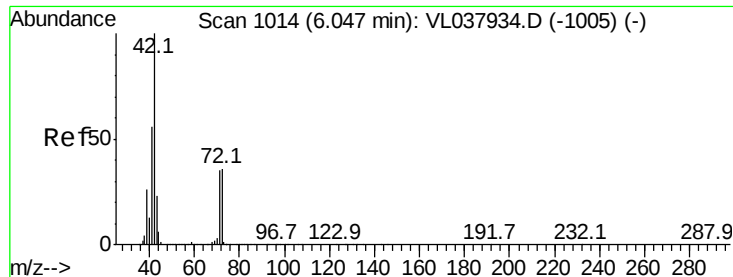
88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#





#41

Tetrahydrofuran

Concen: 0.004 ppbv

RT: 6.03

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

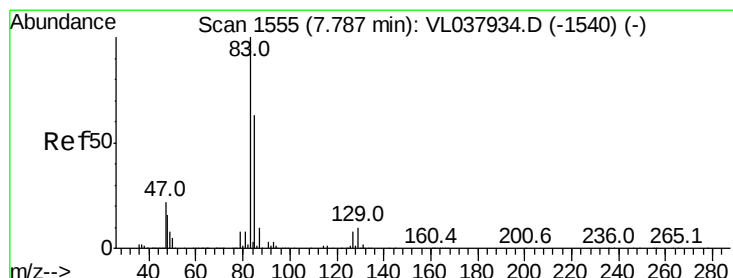
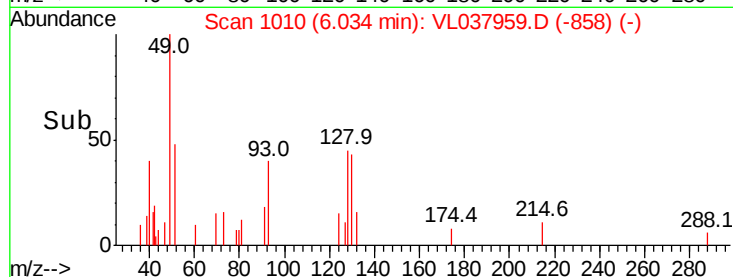
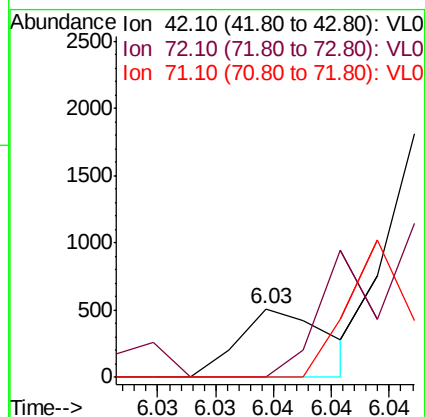
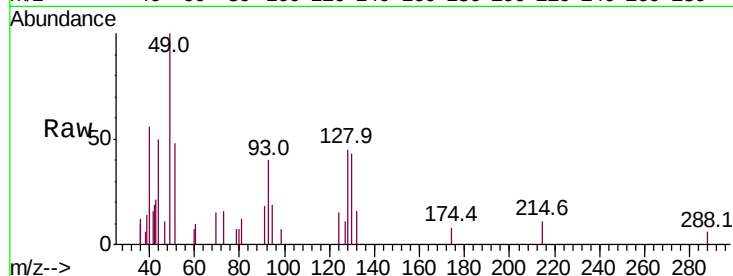
Tot Ion: 42 Resp: 272

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

71 0.0 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.453 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

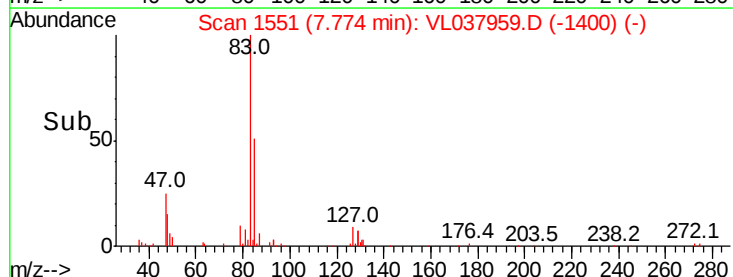
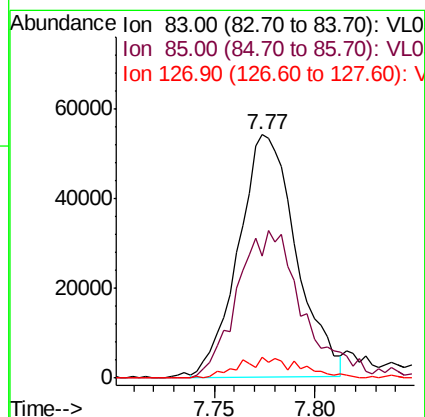
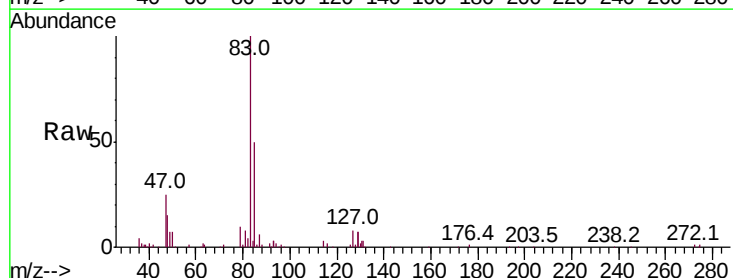
Tgt Ion: 83 Resp: 108086

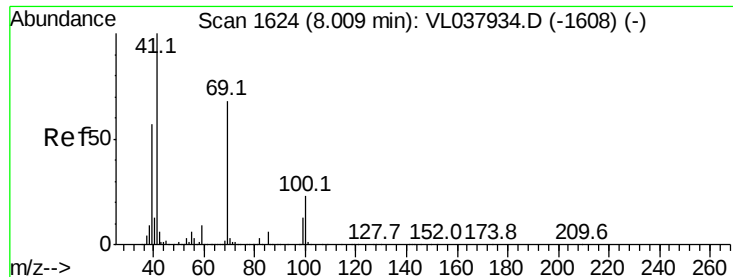
Ion Ratio Lower Upper

83 100

85 50.5 50.1 75.1

127 8.6 6.1 9.1





#43

Methyl Methacrylate

Concen: 0.278 ppbv

RT: 8.01

Instrument: MSVOA_1

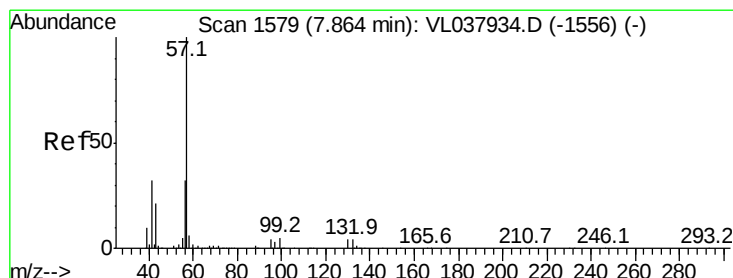
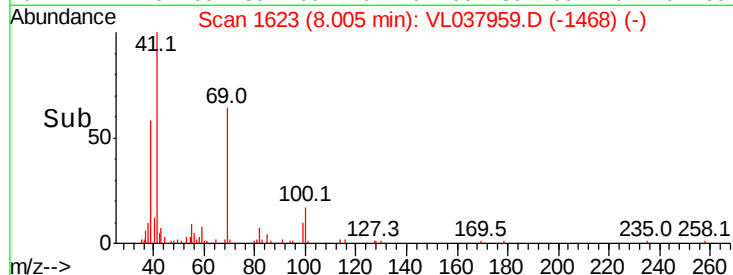
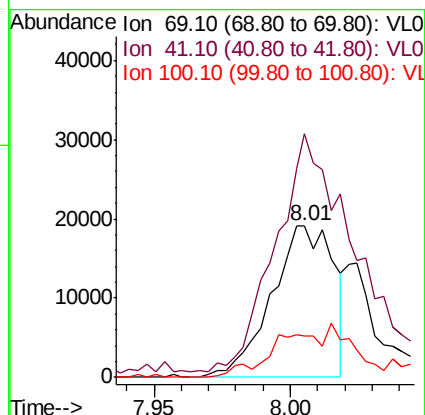
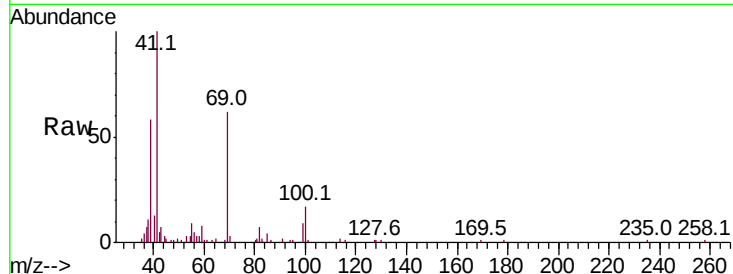
Delta R.T. ClientSampleId:

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

Acq: 2 Nov 2021 4:43

Tot Ion: 69 Resp: 30283

Ion	Ratio	Lower	Upper
69	100		
41	207.3	117.4	176.2#
100	0.0	27.8	41.6#



#44

2,2,4-Trimethylpentane

Concen: 0.464 ppbv

RT: 7.85 min Scan# 1576

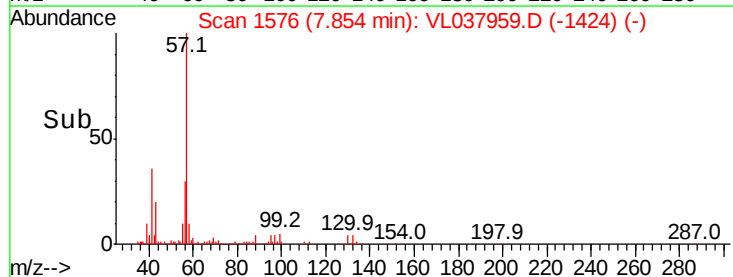
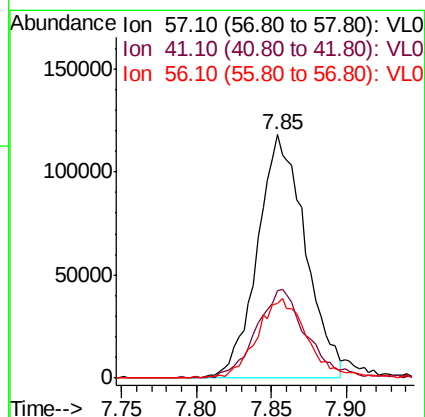
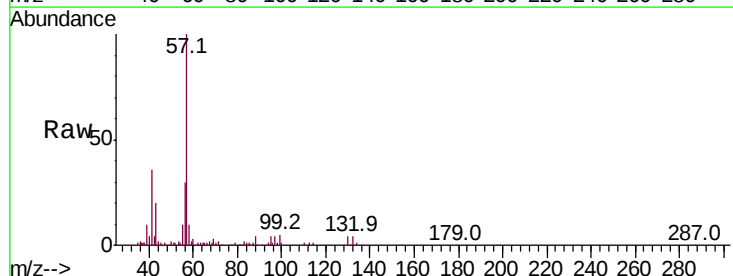
Delta R.T. -0.01 min

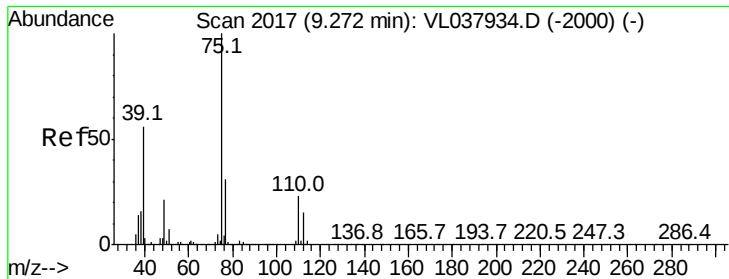
Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion: 57 Resp: 261668

Ion	Ratio	Lower	Upper
57	100		
41	38.8	25.8	38.8
56	34.7	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 0.071 ppbv

RT: 9.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

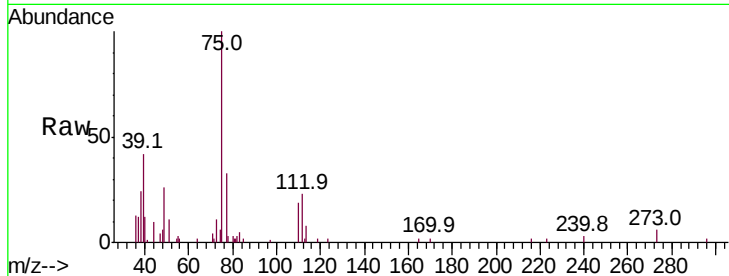
Acq: 2 Nov 2021 4:43 LOQ-AIR-02-OT4-2021

Tot Ion: 75 Resp: 5646

Ion Ratio Lower Upper

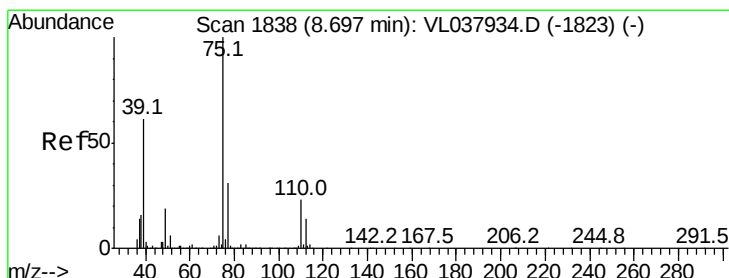
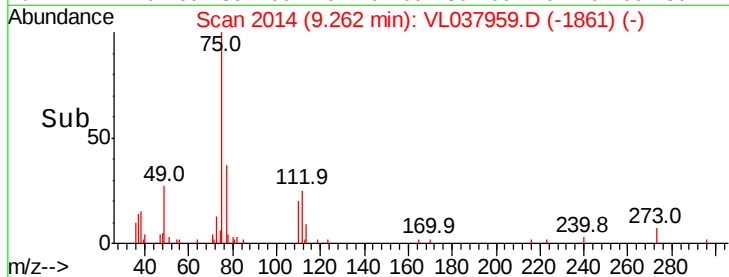
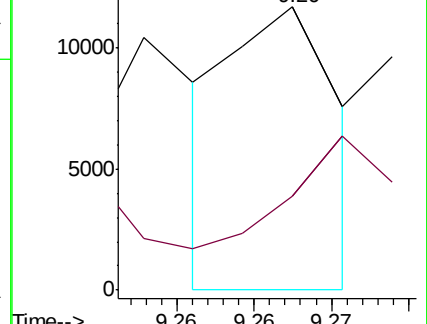
75 100

77 33.2 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.003 ppbv

RT: 8.87 min Scan# 1892

Delta R.T. 0.17 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

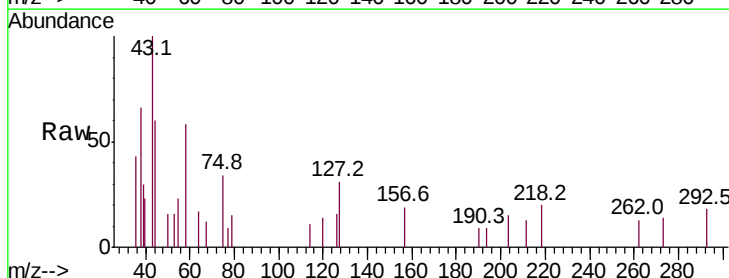
Tgt Ion: 75 Resp: 351

Ion Ratio Lower Upper

75 100

39 61.1 48.8 73.2

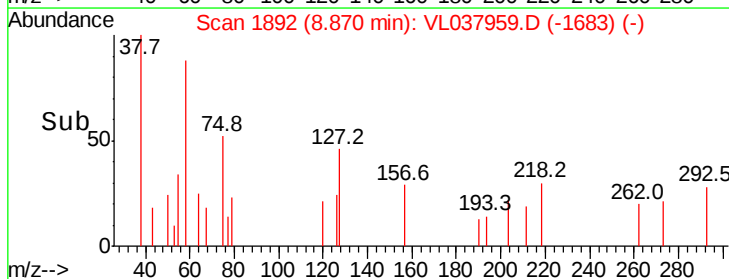
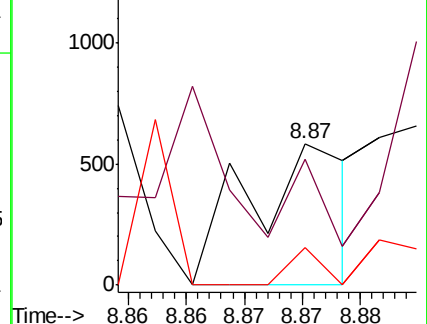
77 26.2 24.6 36.8

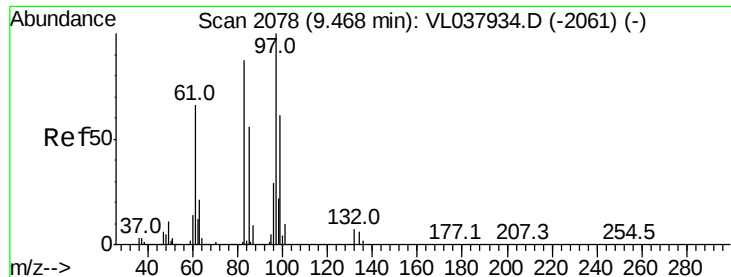


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.484 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

Tot Ion: 97 Resp: 67873

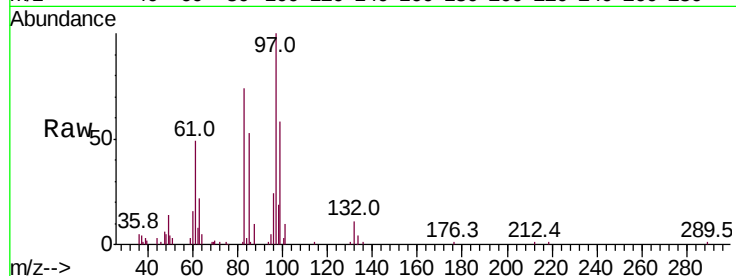
Ion Ratio Lower Upper

97 100

83 72.3 69.4 104.2

85 53.0 45.0 67.6

99 55.3 48.7 73.1

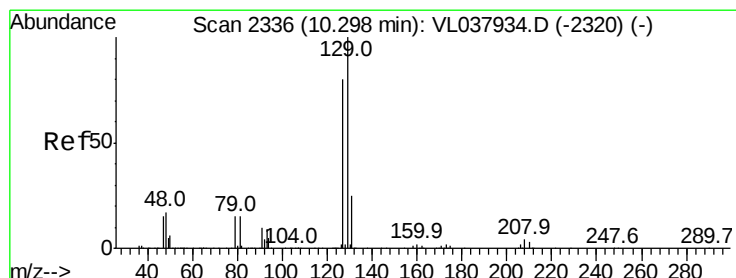
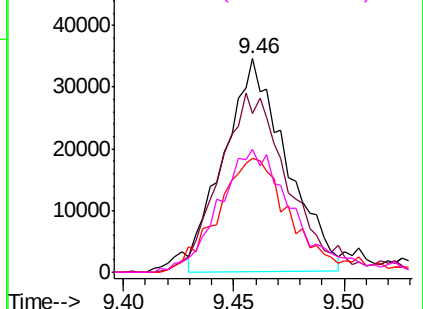
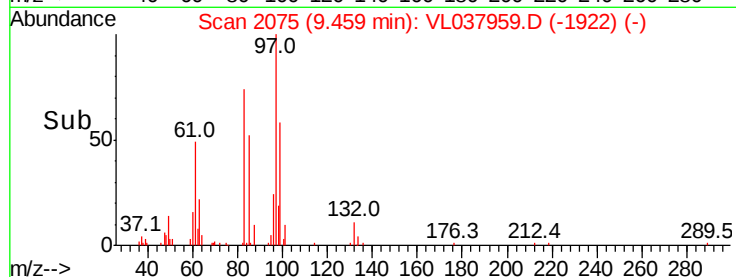


Abundance Ion 97.00 (96.70 to 97.70): VL0

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



#48

Dibromochloromethane

Concen: 0.269 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. -0.02 min

Lab File: VL037959.D

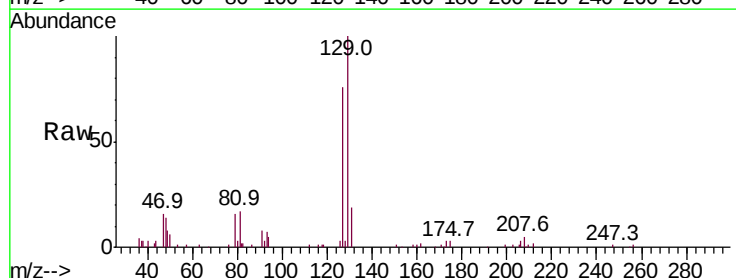
Acq: 2 Nov 2021 4:43

Tgt Ion: 129 Resp: 53328

Ion Ratio Lower Upper

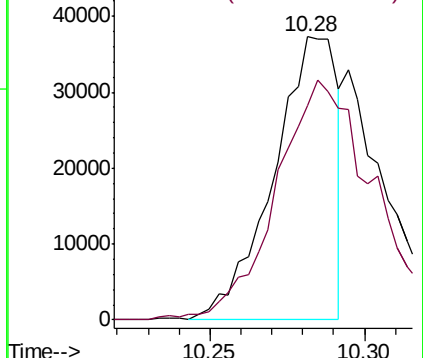
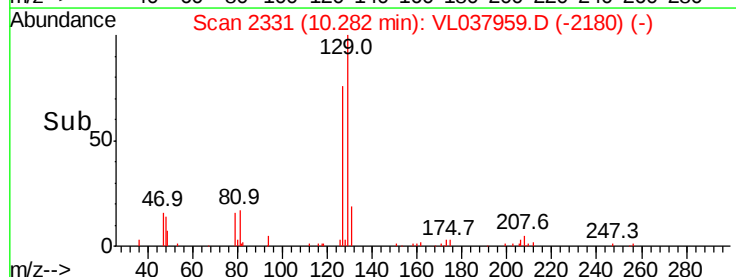
129 100

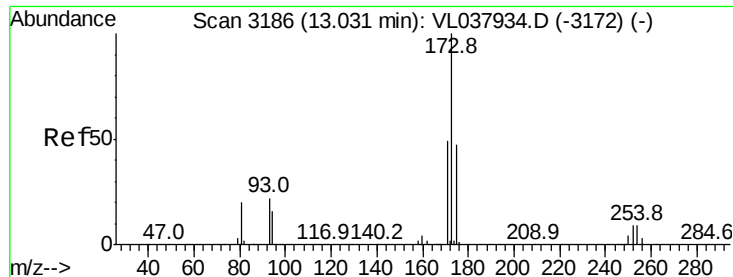
127 138.9 40.3 120.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.380 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

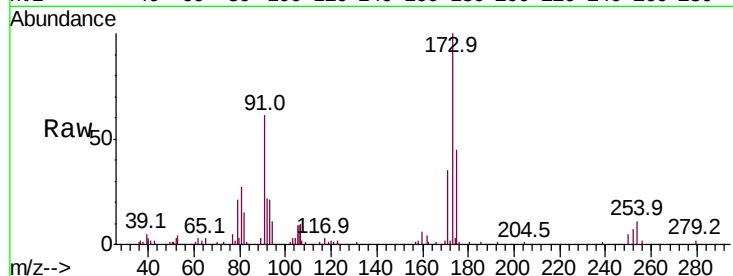
Tot Ion: 173 Resp: 59654

Ion Ratio Lower Upper

173 100

175 52.0 39.5 59.3

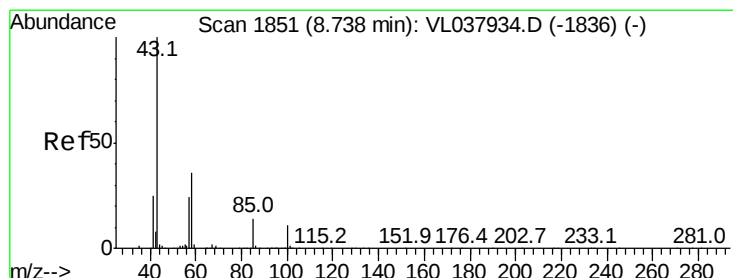
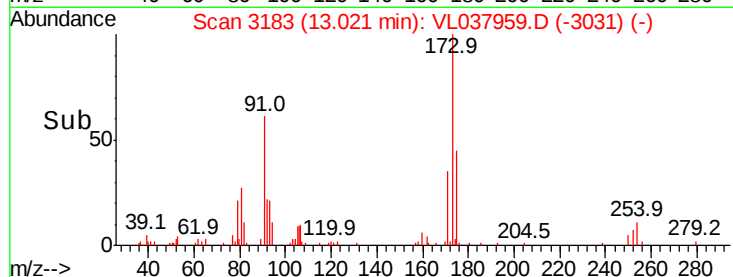
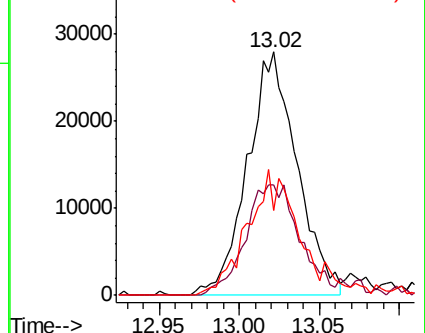
171 55.9 43.6 65.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.141 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL037959.D

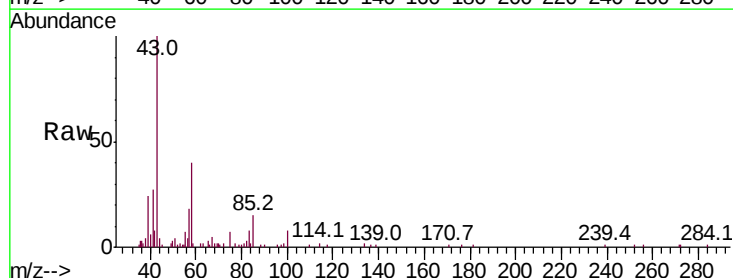
Acq: 2 Nov 2021 4:43

Tgt Ion: 43 Resp: 27879

Ion Ratio Lower Upper

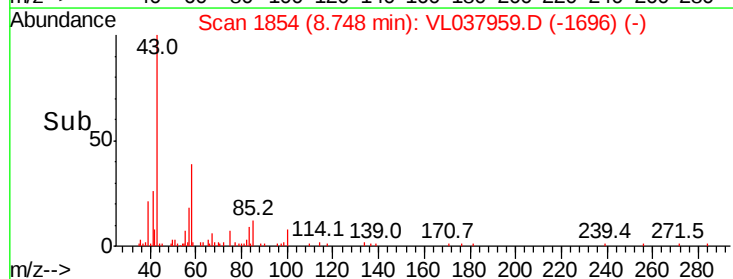
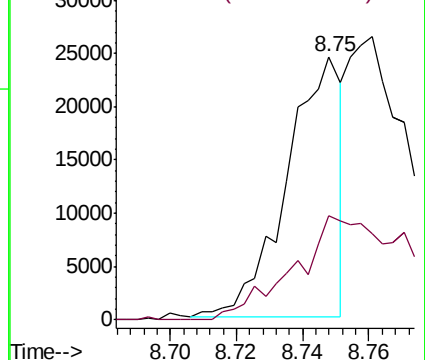
43 100

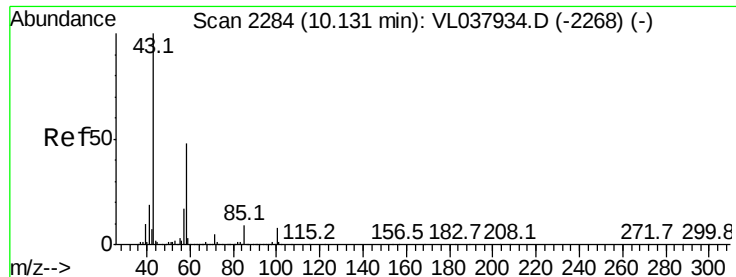
58 102.6 28.8 43.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

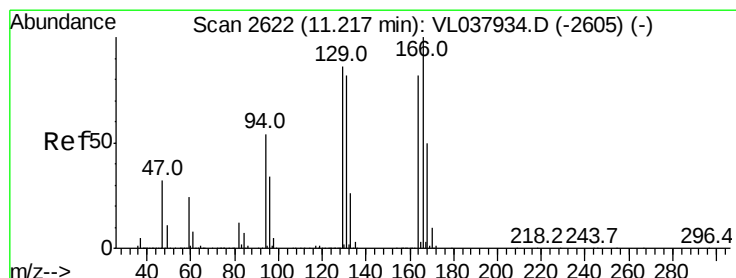
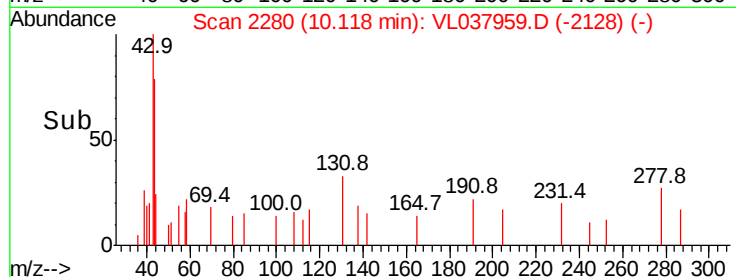
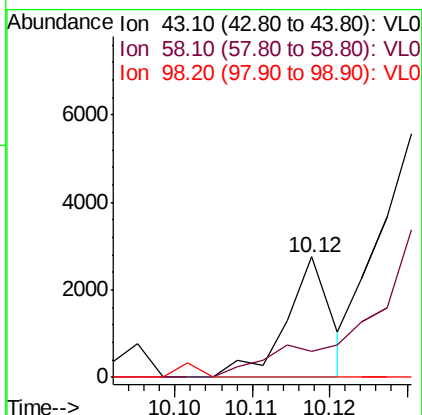
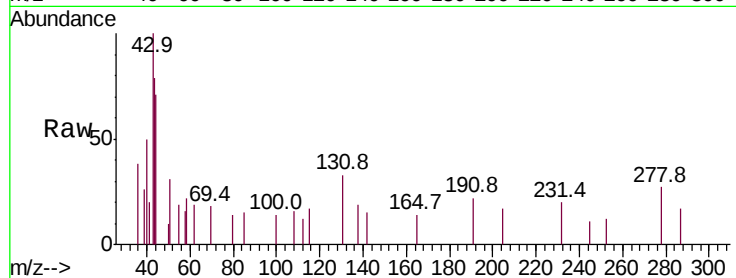
Ion 58.10 (57.80 to 58.80): VL0





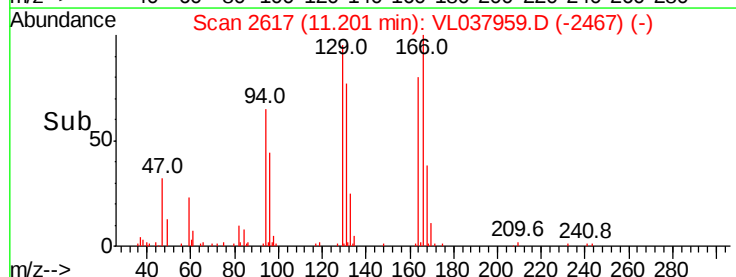
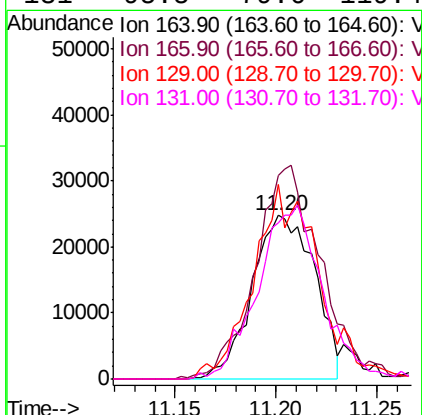
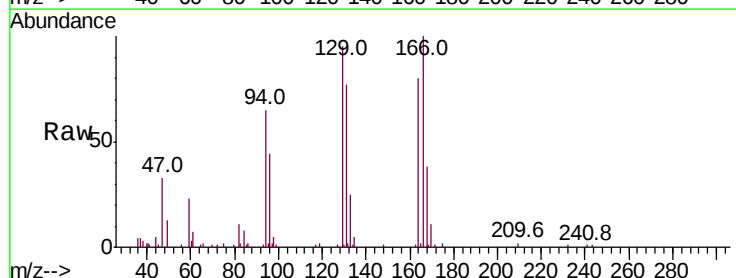
#51
2-Hexanone
Concen: 0.013 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 2 Nov 2021 4:43

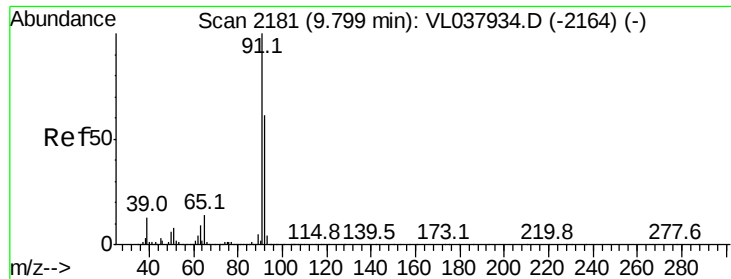
Tot Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 0.0 38.6 57.8#
98 0.0 1.0 1.4#



#52
Tetrachloroethene
Concen: 0.424 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL037959.D
Acq: 2 Nov 2021 4:43

Tgt Ion: 164 Resp: 53395
Ion Ratio Lower Upper
164 100
166 123.5 97.6 146.4
129 118.7 84.2 126.2
131 95.5 79.6 119.4





#53

Toluene

Concen: 0.190 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

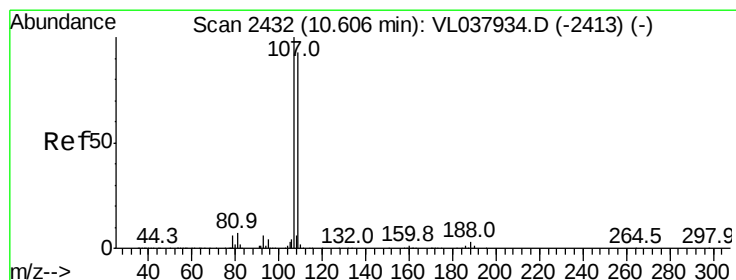
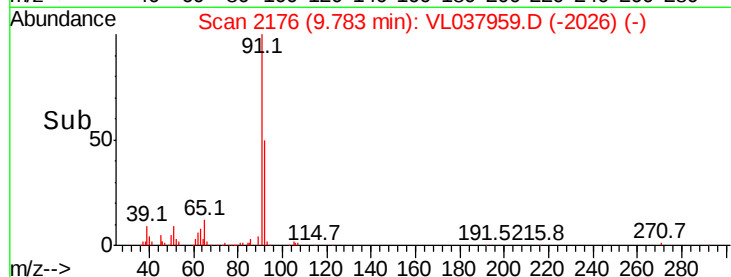
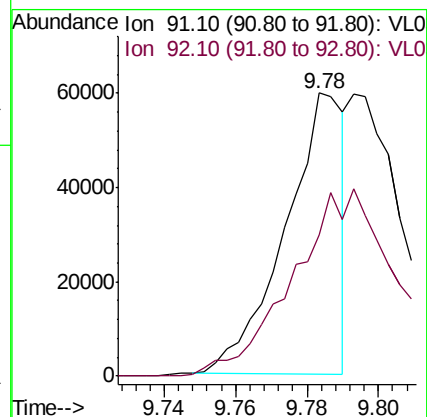
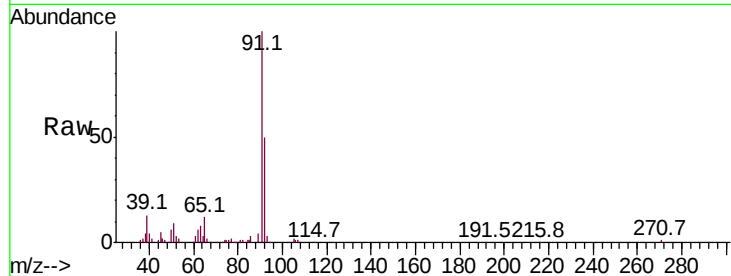
Acq: 2 Nov 2021 4:43

Tot Ion: 91 Resp: 67596

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.4#



#54

1,2-Dibromoethane

Concen: 0.258 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL037959.D

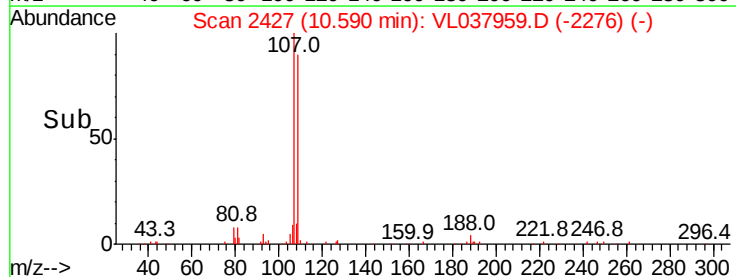
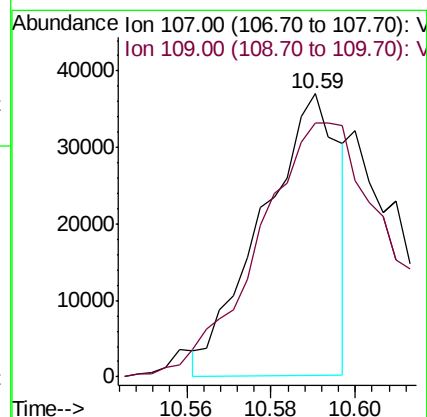
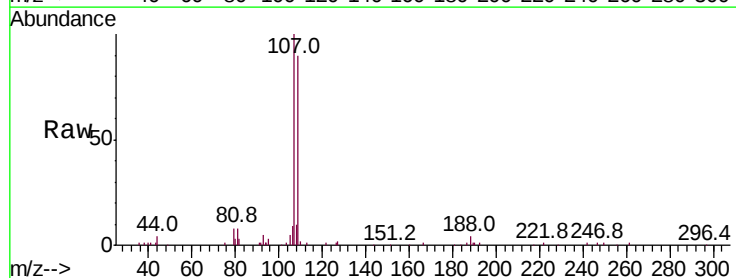
Acq: 2 Nov 2021 4:43

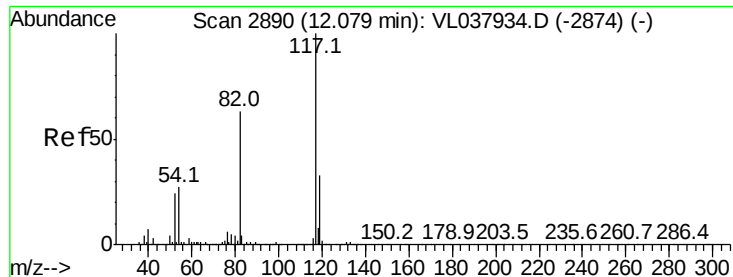
Tgt Ion: 107 Resp: 46747

Ion Ratio Lower Upper

107 100

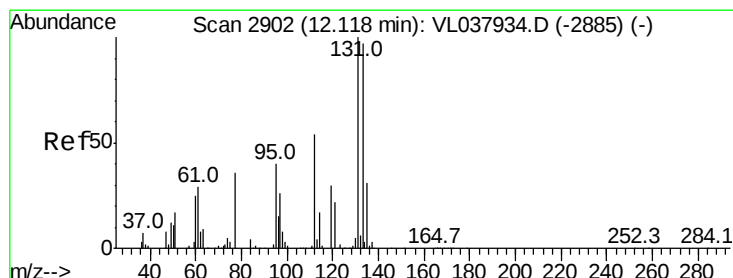
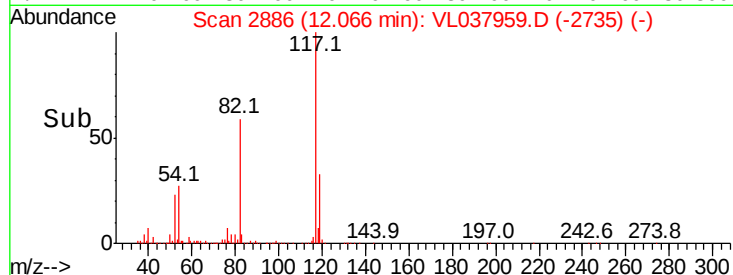
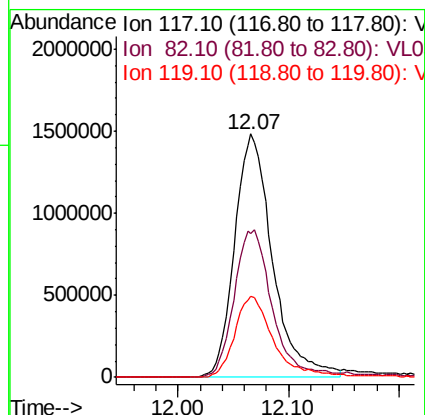
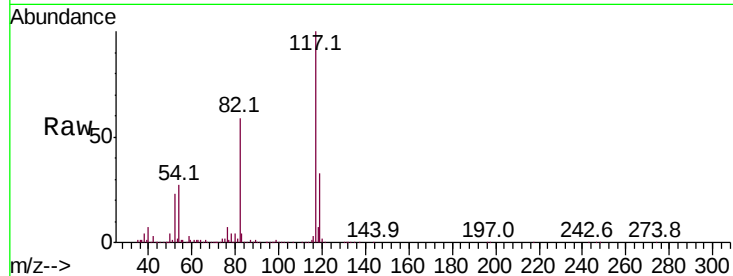
109 89.0 74.5 111.7





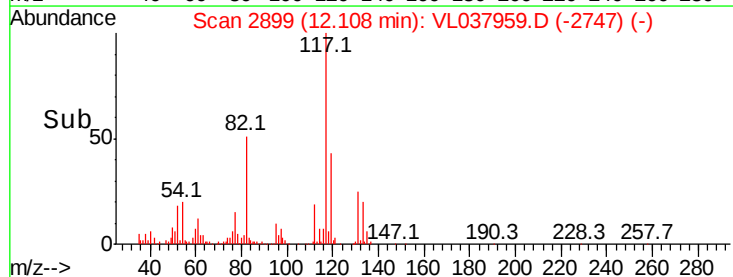
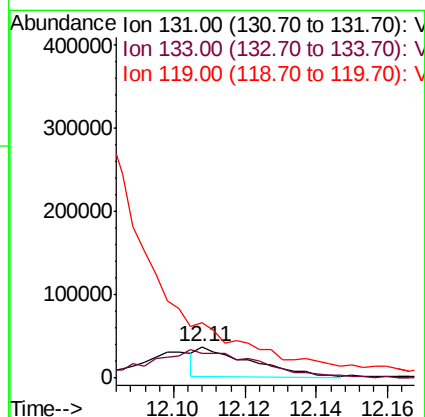
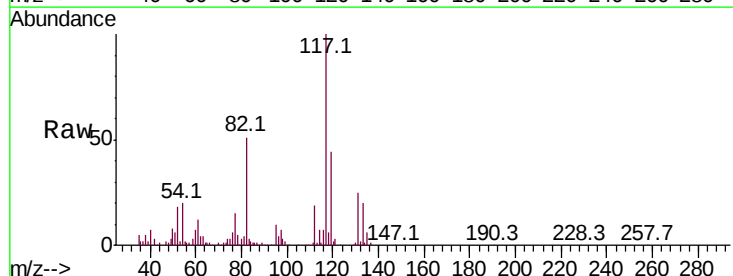
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: LOQ-AIR-02-OT4-2021
Acq: 2 Nov 2021 4:43

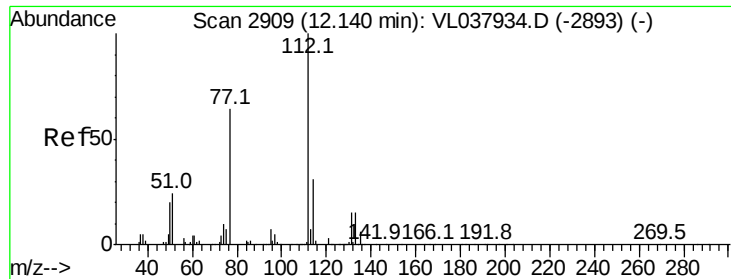
Tot Ion:117 Resp: 3543534
Ion Ratio Lower Upper
117 100
82 63.1 51.0 76.6
119 35.3 26.9 40.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.262 ppbv
RT: 12.11 min Scan# 2899
Delta R.T.: -0.01 min
Lab File: VL037959.D
Acq: 2 Nov 2021 4:43

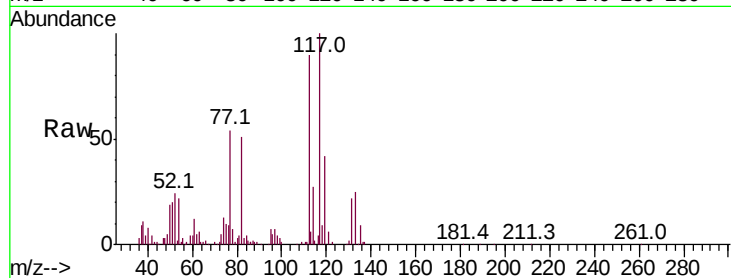
Tgt Ion:131 Resp: 37444
Ion Ratio Lower Upper
131 100
133 201.8 79.6 119.4#
119 0.0 125.4 188.2#



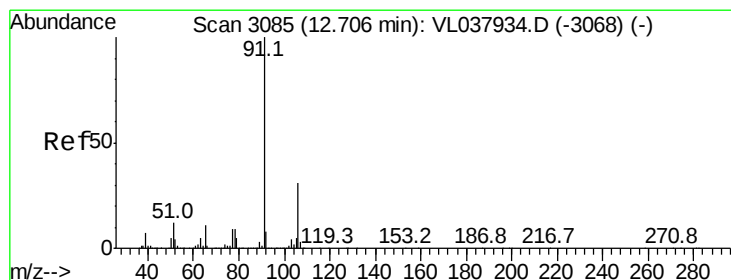
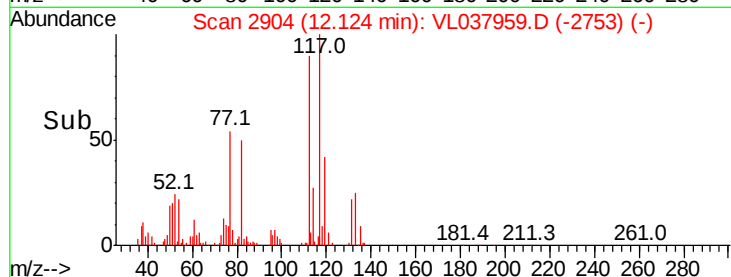
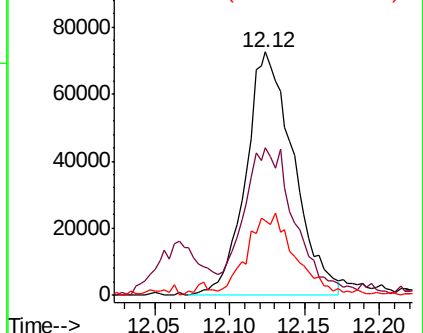


#57
Chlorobenzene
Concen: 0.569 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: LOQ-AIR-02-OT4-2021
Acq: 2 Nov 2021 4:43

Tot Ion: 112 Resp: 160919
Ion Ratio Lower Upper
112 100
77 55.4 51.1 76.7
114 28.6 27.9 34.1

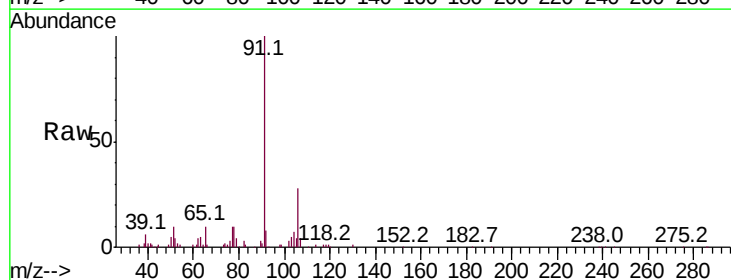


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

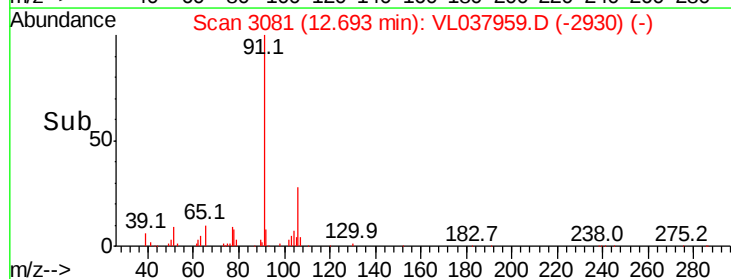
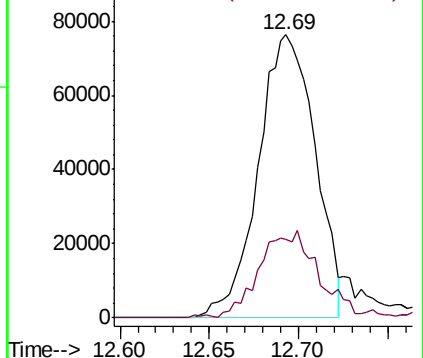


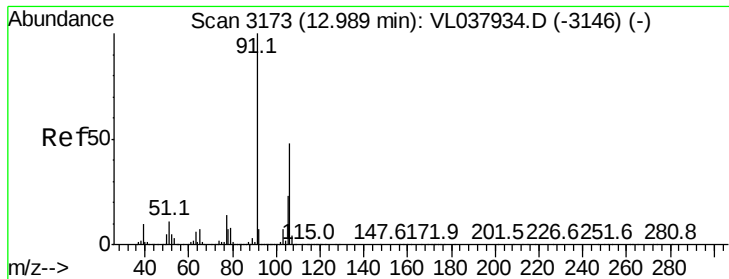
#58
Ethyl Benzene
Concen: 0.392 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL037959.D
Acq: 2 Nov 2021 4:43

Tgt Ion: 91 Resp: 169843
Ion Ratio Lower Upper
91 100
106 28.0 25.1 37.7



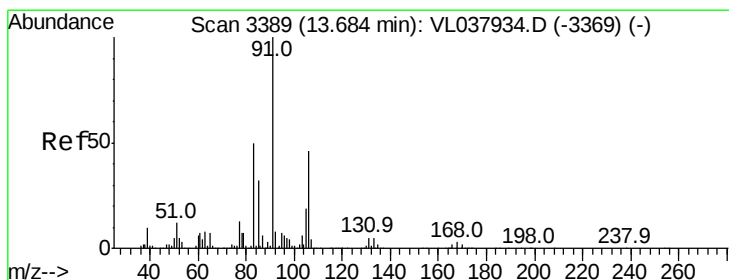
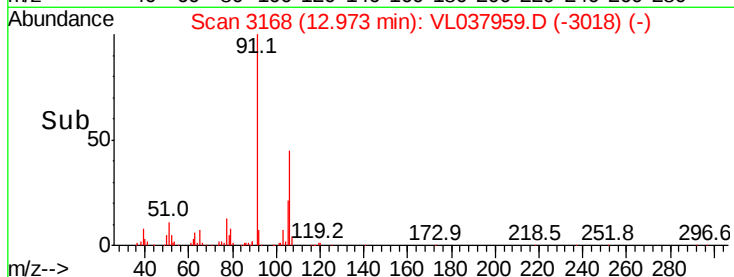
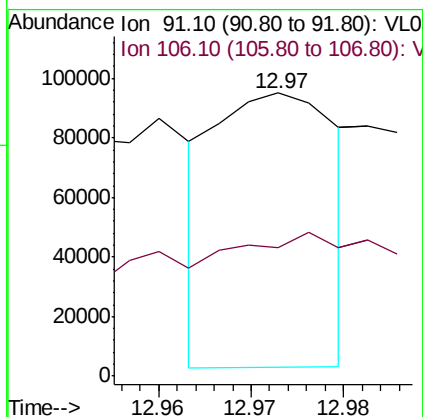
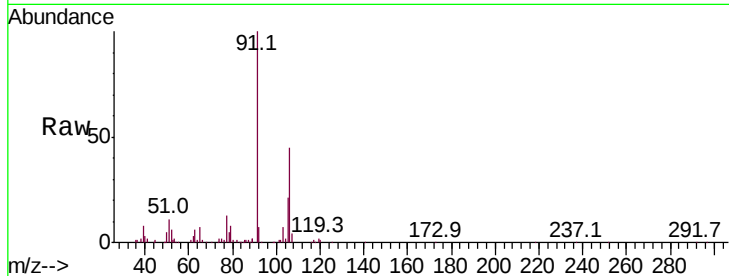
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





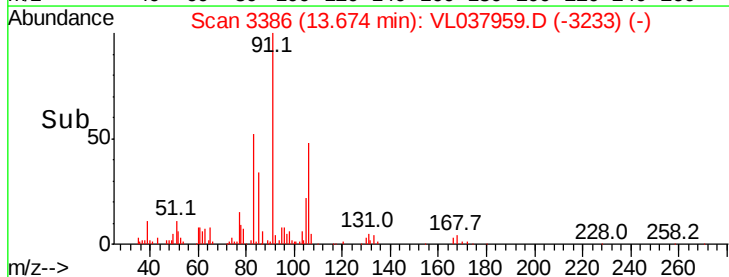
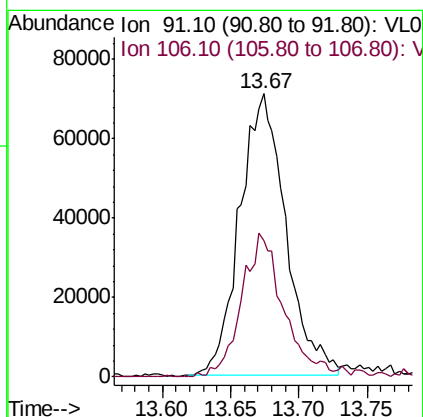
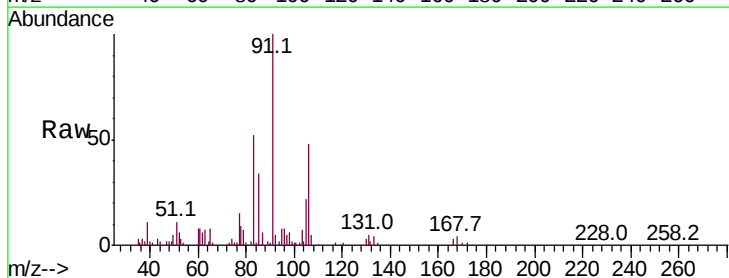
#59
m/p-Xylene
Concen: 0.217 ppbv
RT: 12.97 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 4:43

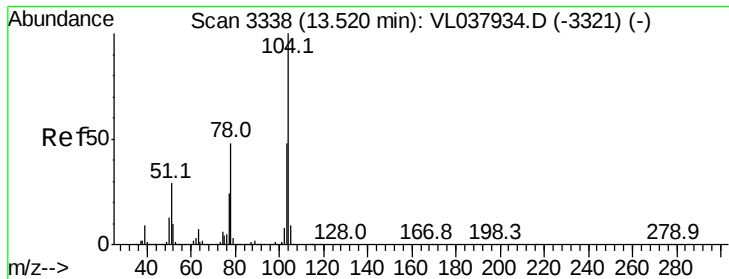
Tot Ion: 91 Resp: 83535
Ion Ratio Lower Upper
91 100
106 199.6 37.1 55.7#



#60
o-Xylene
Concen: 0.459 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL037959.D
Acq: 2 Nov 2021 4:43

Tgt Ion: 91 Resp: 166814
Ion Ratio Lower Upper
91 100
106 46.9 23.5 70.6





#61

Stvrene

Concen: 0.298 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

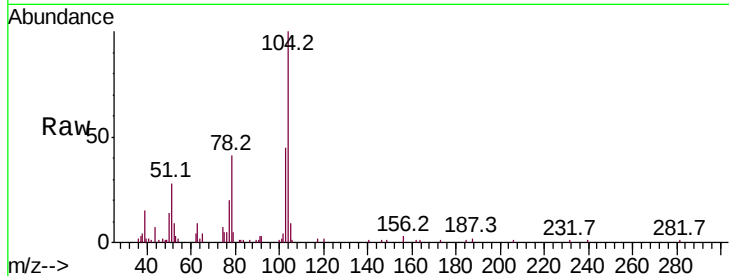
Tot Ion:104 Resp: 49636

Ion Ratio Lower Upper

104 100

78 60.3 39.3 58.9#

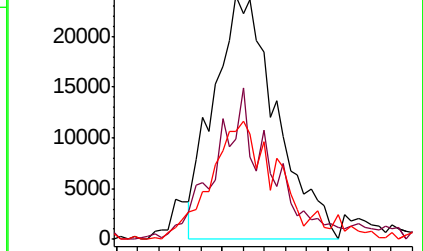
103 54.3 39.6 59.4



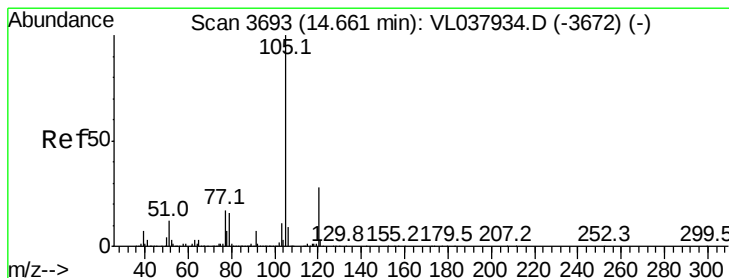
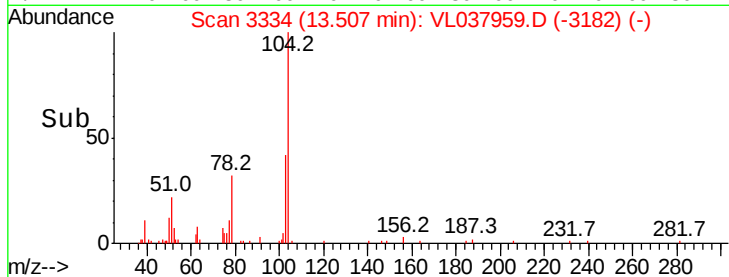
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time--> 13.45 13.50 13.55



#62

Isopropylbenzene

Concen: 0.511 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL037959.D

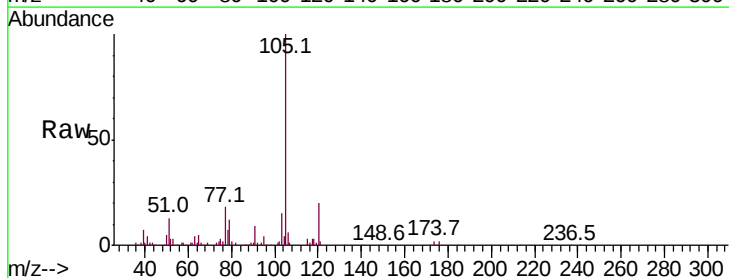
Acq: 2 Nov 2021 4:43

Tgt Ion:105 Resp: 262878

Ion Ratio Lower Upper

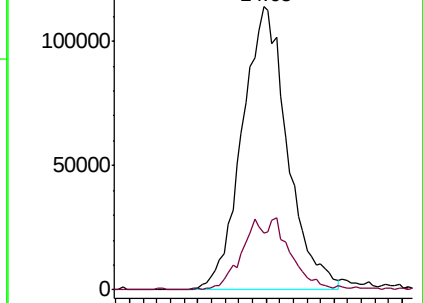
105 100

120 26.9 21.8 32.6

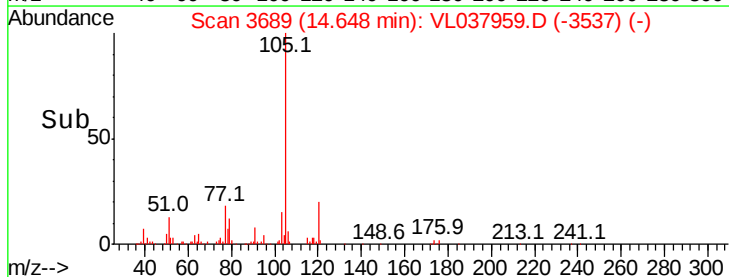


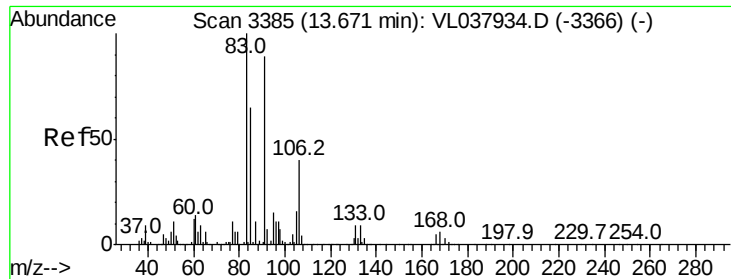
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



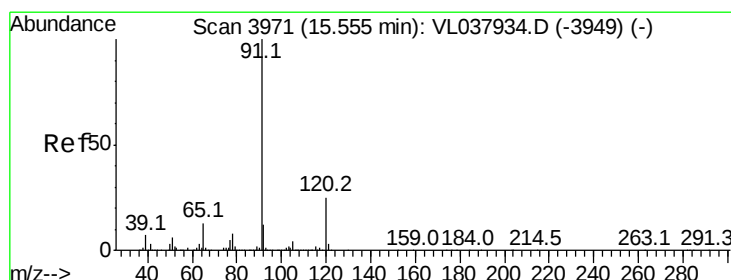
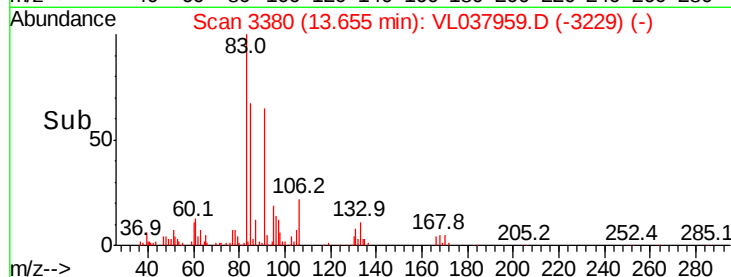
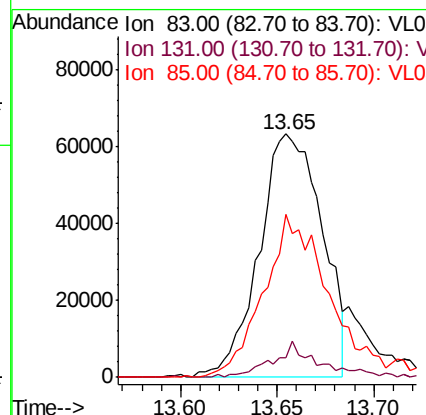
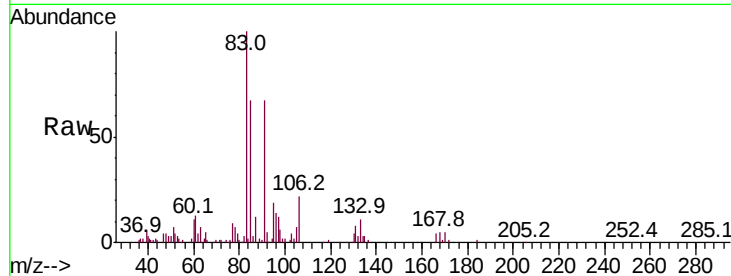
Time--> 14.55 14.60 14.65 14.70





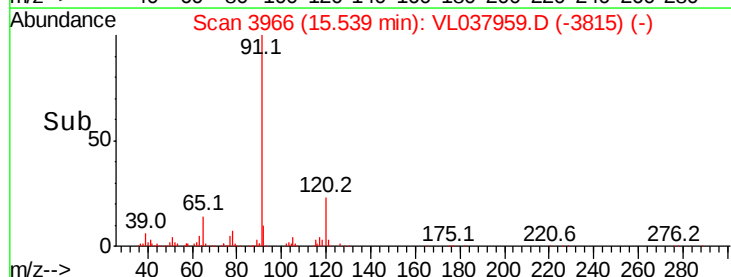
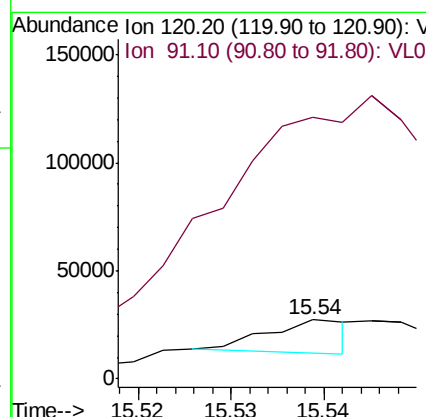
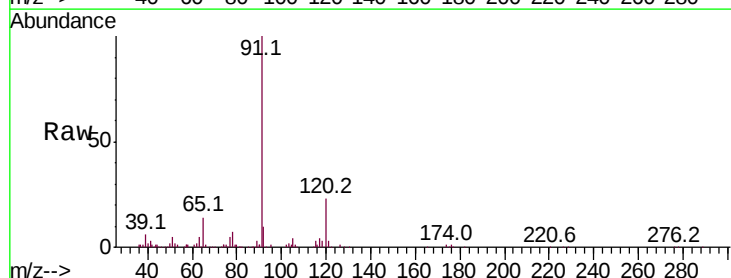
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.459 ppbv
 RT: 13.65 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 4:43

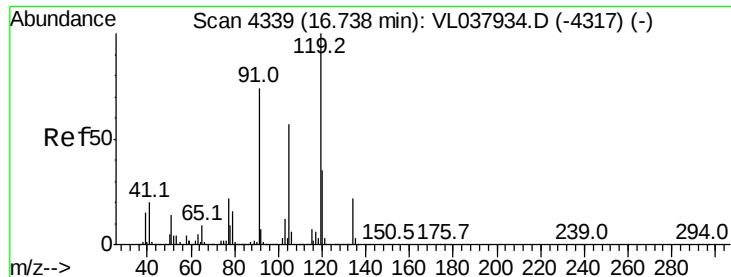
Tot Ion:	83	Resp:	143568
Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.8	14.4
85	73.9	32.5	97.5



#64
 n-propylbenzene
 Concen: 0.070 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.02 min
 Lab File: VL037959.D
 Acq: 2 Nov 2021 4:43

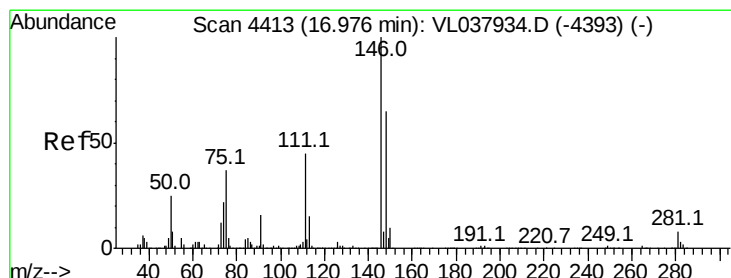
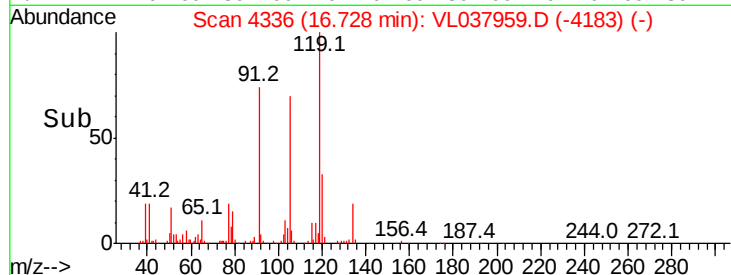
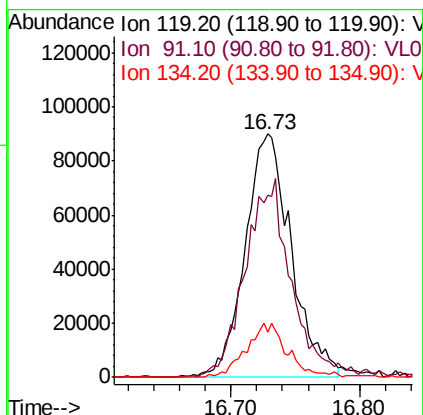
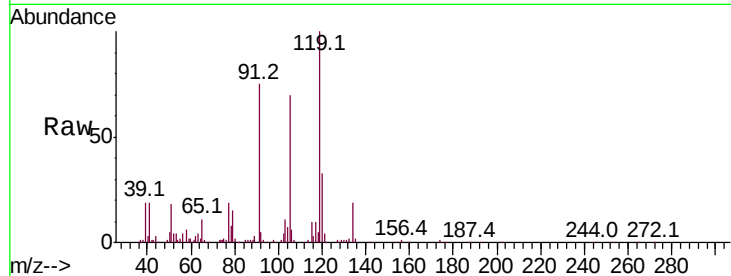
Tgt Ion:	120	Resp:	9287
Ion	Ratio	Lower	Upper
120	100		
91	0.0	363.3	544.9#





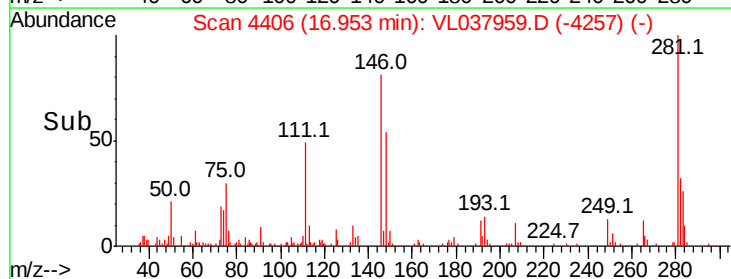
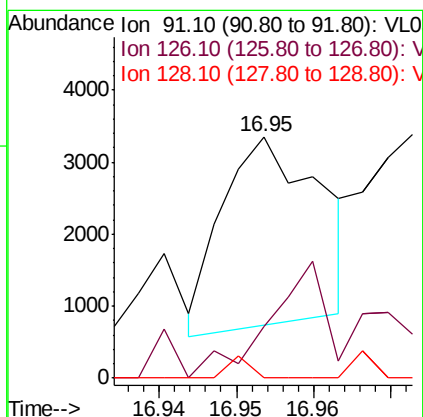
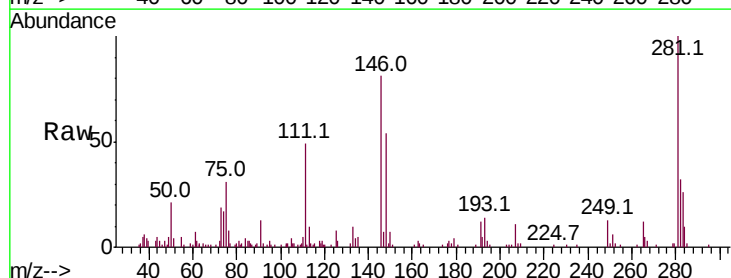
#65
 tert-Butylbenzene
 Concen: 0.489 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 4:43

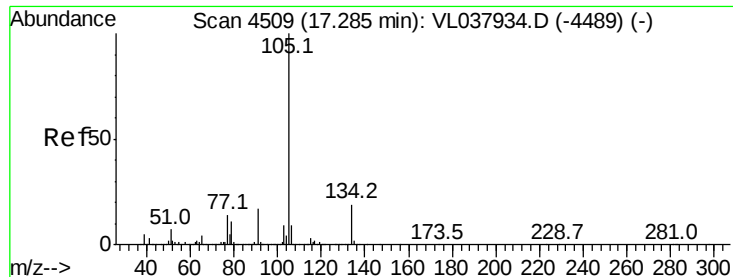
Tot Ion:	119	Resp:	222184
Ion	Ratio	Lower	Upper
119	100		
91	84.1	61.8	92.6
134	20.5	16.6	25.0



#66
 Benzyl Chloride
 Concen: 0.097 ppbv
 RT: 16.95 min Scan# 4406
 Delta R.T. -0.02 min
 Lab File: VL037959.D
 Acq: 2 Nov 2021 4:43

Tgt Ion:	91	Resp:	2310
Ion	Ratio	Lower	Upper
91	100		
126	76.1	13.8	20.6#
128	0.0	5.1	7.7#





#67

sec-Butylbenzene

Concen: 0.471 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

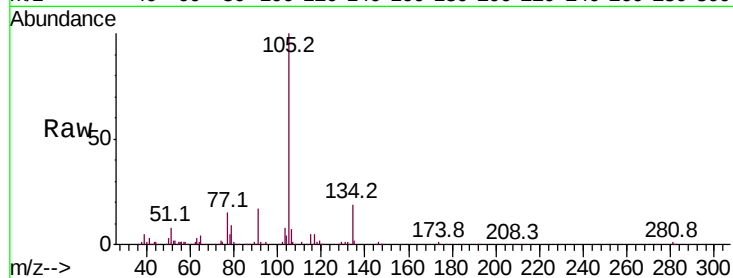
Acq: 2 Nov 2021 4:43

Tot Ion: 105 Resp: 295049

Ion Ratio Lower Upper

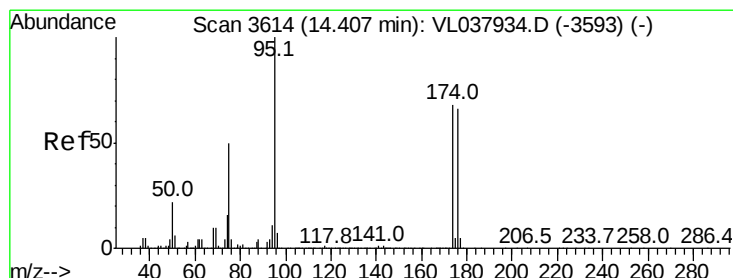
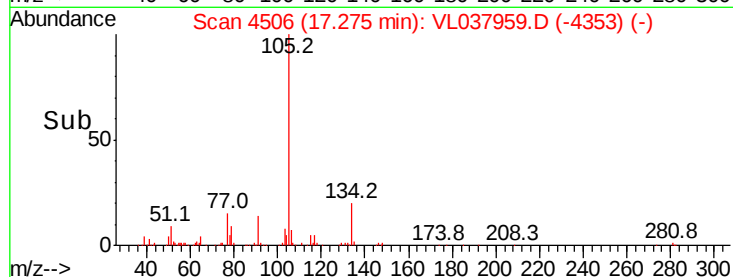
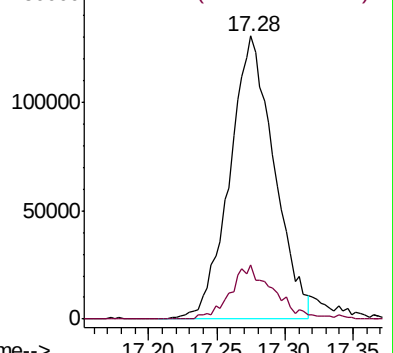
105 100

134 19.1 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: 9.967 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

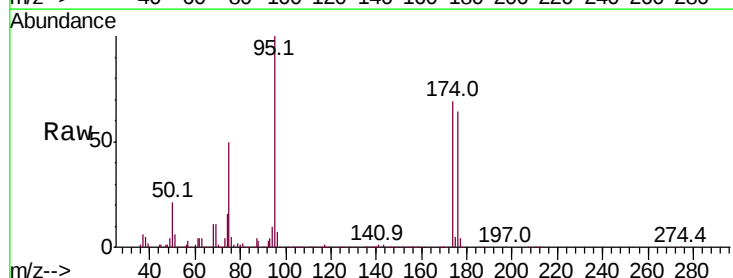
Tgt Ion: 95 Resp: 2567413

Ion Ratio Lower Upper

95 100

174 74.6 58.3 87.5

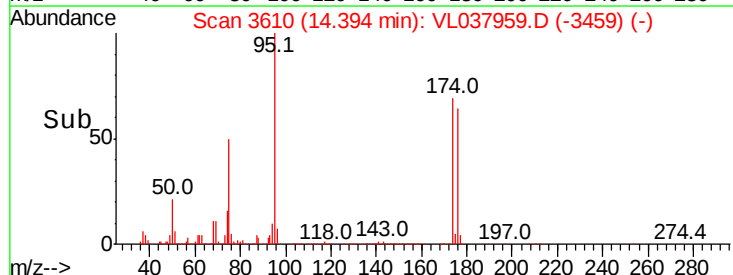
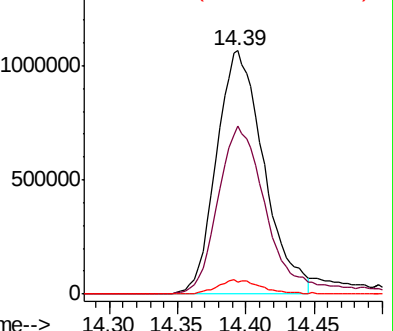
175 5.8 4.6 6.8

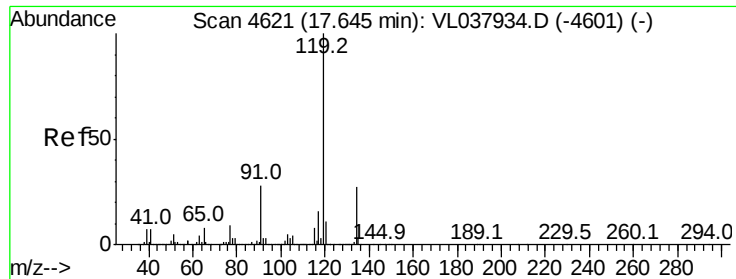


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

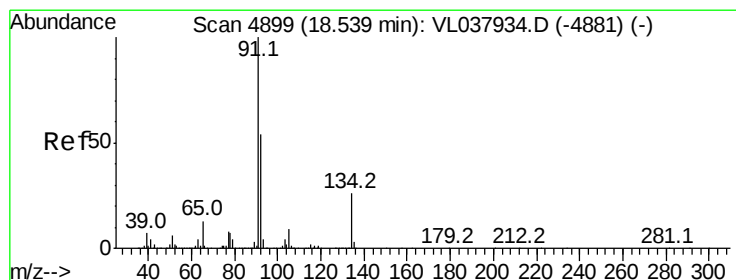
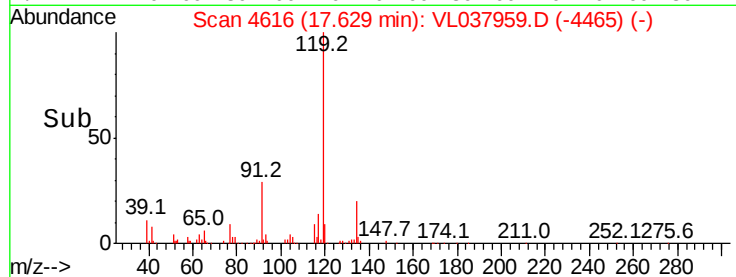
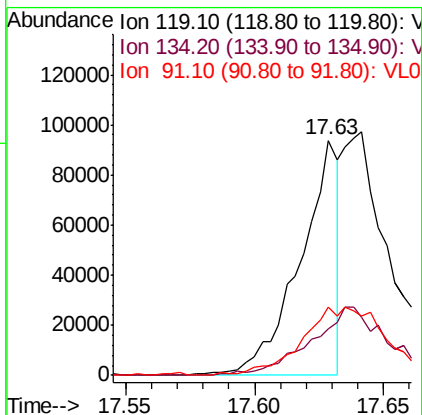
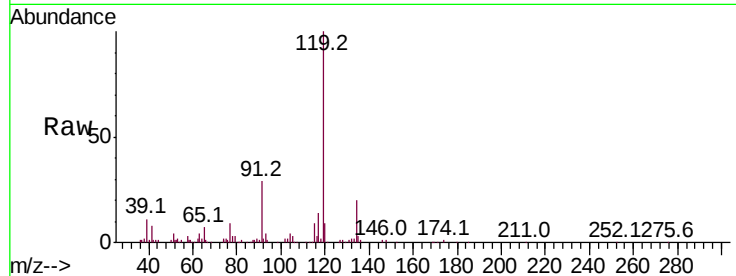
Ion 175.00 (174.70 to 175.70): V





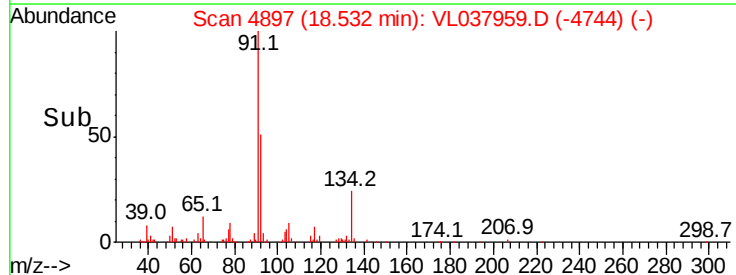
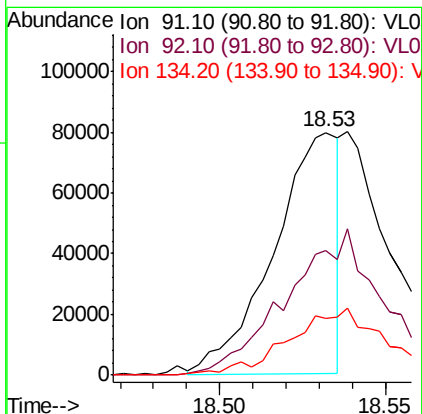
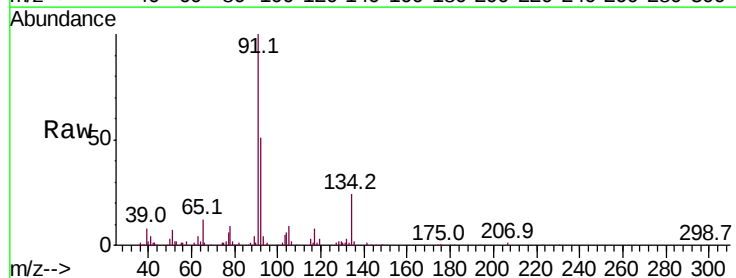
#69
 p-Isopropyltoluene
 Concen: 0.194 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 2 Nov 2021 4:43

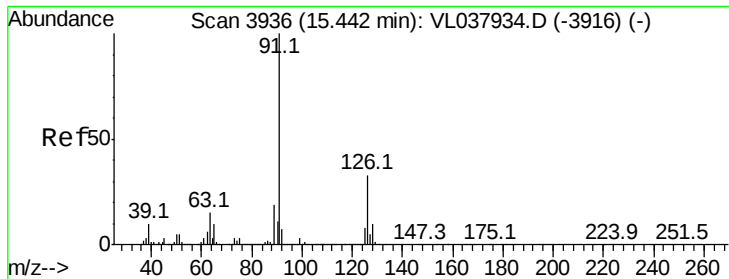
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.0	31.4#
91	0.0	21.8	32.8#



#70
 n-Butylbenzene
 Concen: 0.235 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. -0.01 min
 Lab File: VL037959.D
 Acq: 2 Nov 2021 4:43

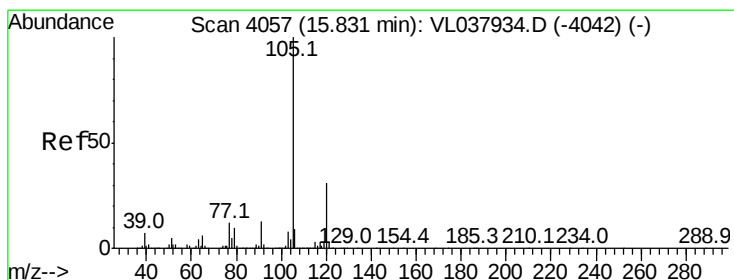
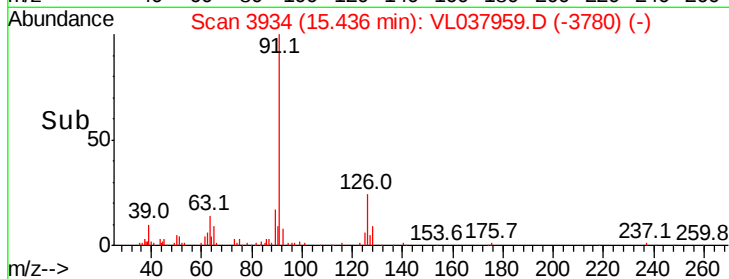
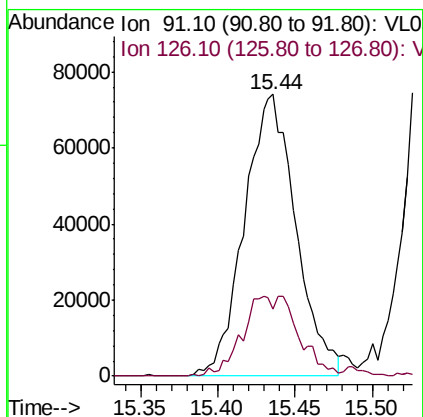
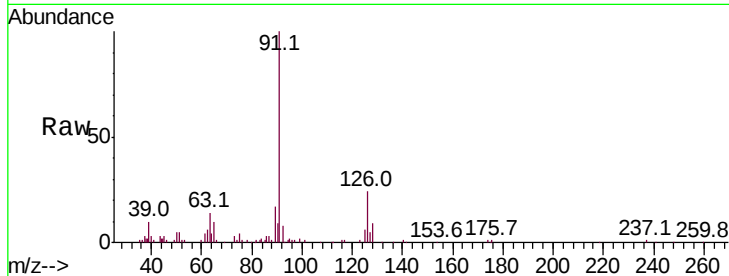
Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.6	65.4#
134	0.0	19.8	29.6#





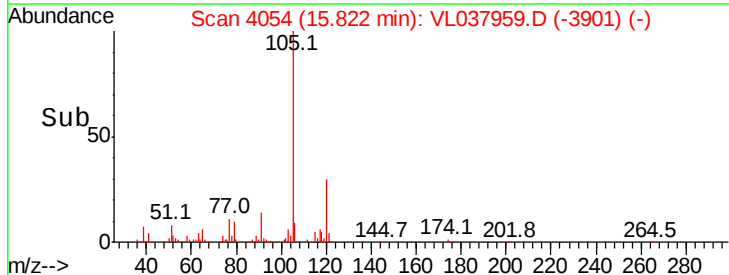
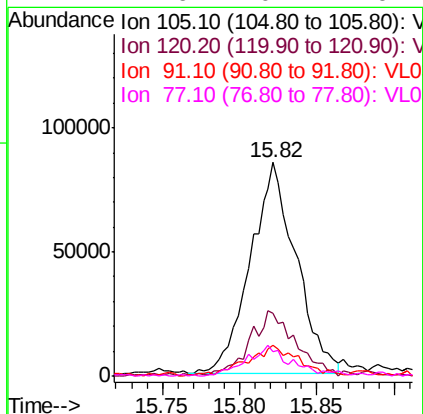
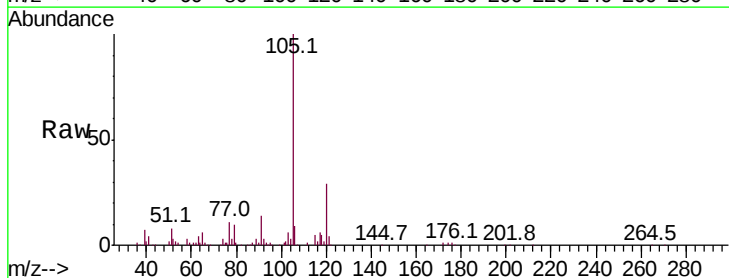
#71
 2-Chlorotoluene
 Concen: 0.476 ppbv
 RT: 15.44
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 2 Nov 2021 4:43

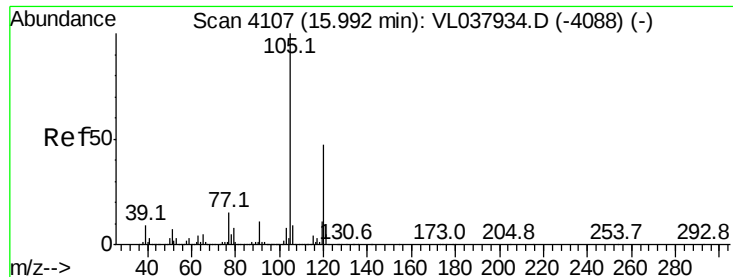
Tot Ion: 91 Resp: 171633
 Ion Ratio Lower Upper
 91 100
 126 32.4 13.3 53.3



#72
 4-Ethyltoluene
 Concen: 0.419 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.01 min
 Lab File: VL037959.D
 Acq: 2 Nov 2021 4:43

Tgt Ion: 105 Resp: 174187
 Ion Ratio Lower Upper
 105 100
 120 30.4 25.3 37.9
 91 16.1 9.9 14.9#
 77 14.6 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.409 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

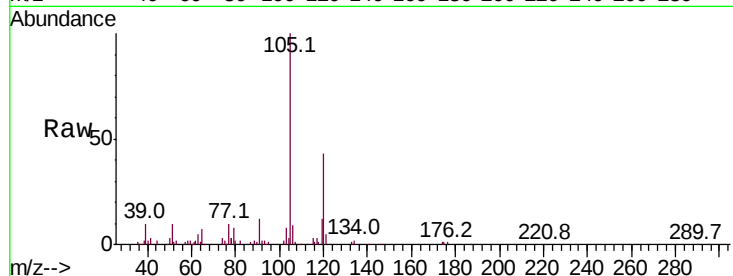
Acq: 2 Nov 2021 4:43

Tot Ion:105 Resp: 159242

Ion Ratio Lower Upper

105 100

120 44.0 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

80000

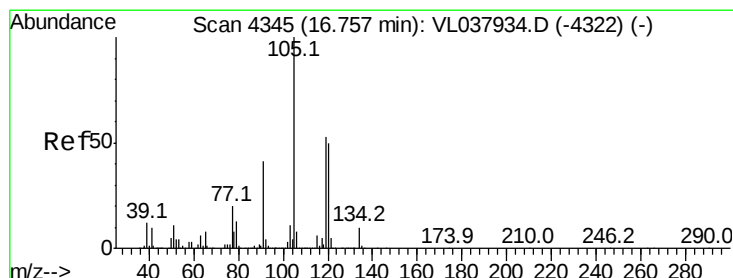
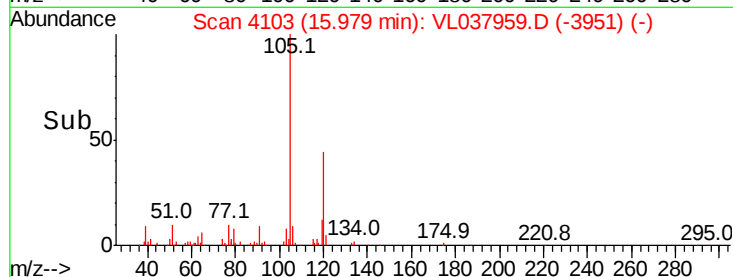
60000

40000

20000

0

Time--> 15.90 15.95 16.00 16.05



#74

1,2,4-Trimethylbenzene

Concen: 0.490 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.02 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

Tgt Ion:105 Resp: 199832

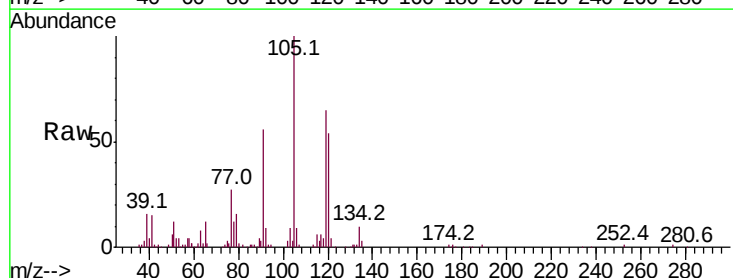
Ion Ratio Lower Upper

105 100

120 52.1 40.0 60.0

91 51.1 32.6 49.0#

77 24.4 15.8 23.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

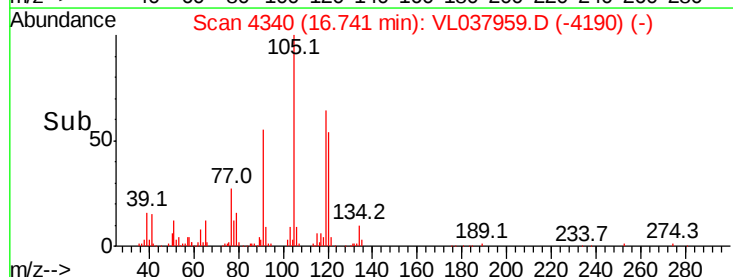
16.74

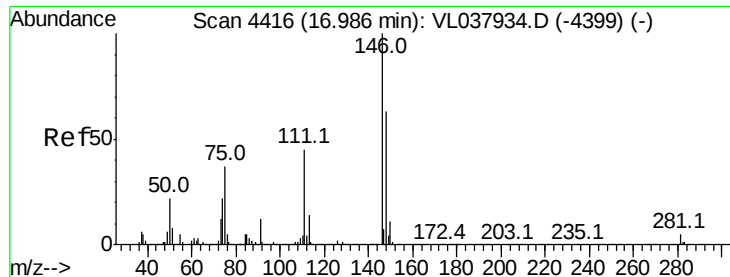
100000

50000

0

Time--> 16.65 16.70 16.75 16.80





#75

1,3-Dichlorobenzene

Concen: 0.500 ppbv

RT: 16.98 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

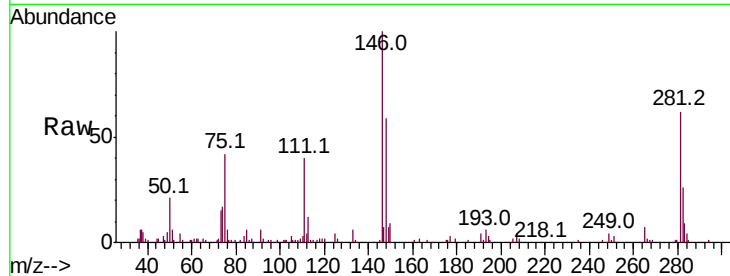
Tot Ion:146 Resp: 127101

Ion Ratio Lower Upper

146 100

111 50.1 22.7 68.1

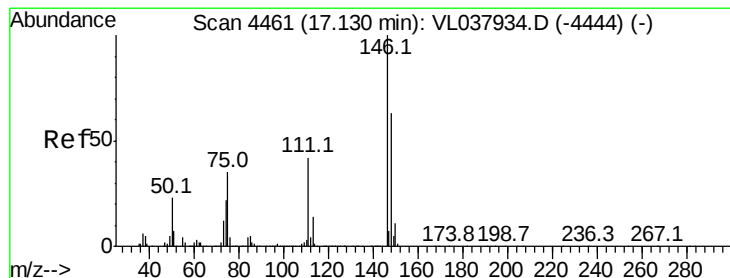
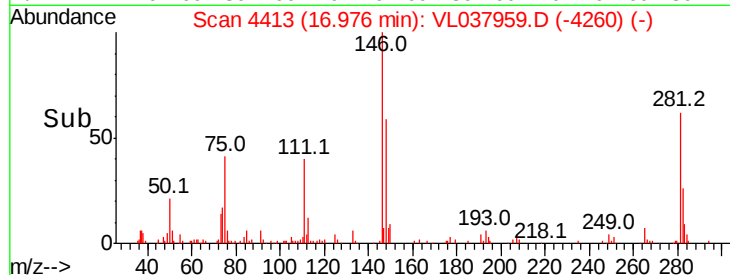
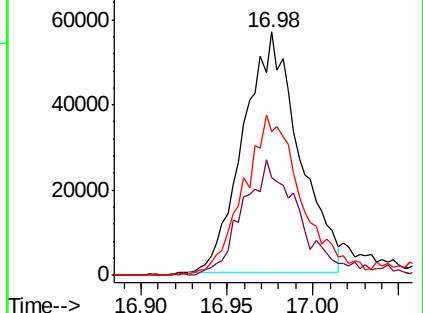
148 73.6 32.4 97.0



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: 0.436 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. -0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

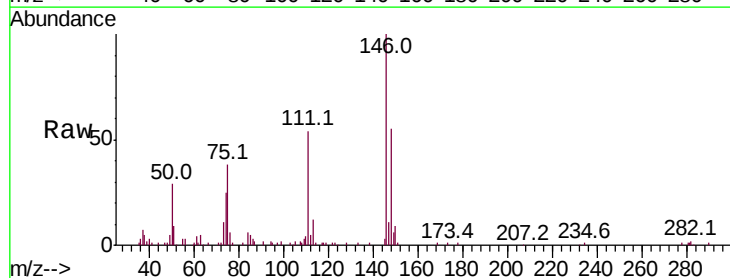
Tgt Ion:146 Resp: 107171

Ion Ratio Lower Upper

146 100

111 54.8 22.7 68.1

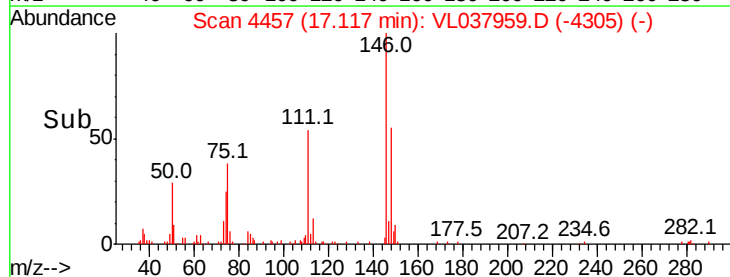
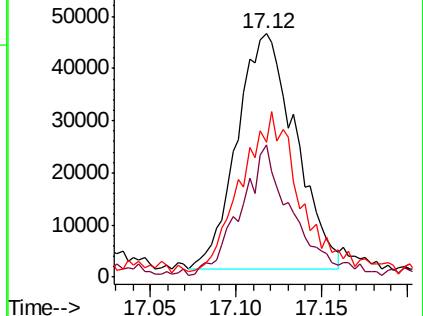
148 76.8 33.5 100.4

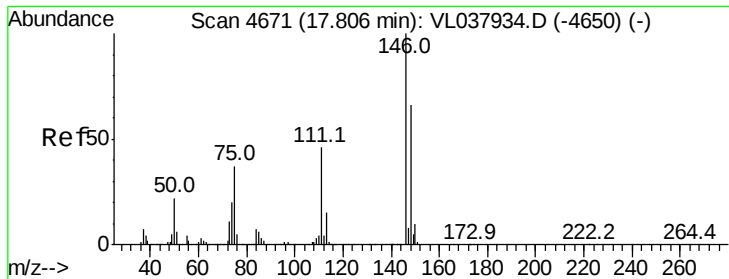


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.206 ppbv

RT: 17.79

Delta R.T. MSVOA_L

Lab File:

ClientSampleId: LOQ-AIR-02-OT4-2021

Acq: 2 Nov 2021 4:43

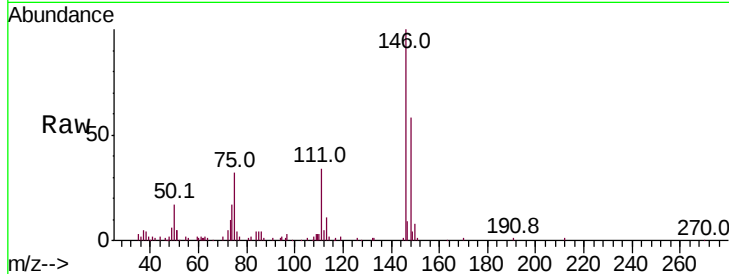
Tot Ion:146 Resp: 49093

Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.2#

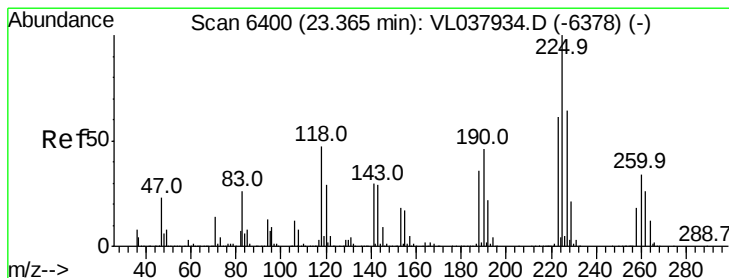
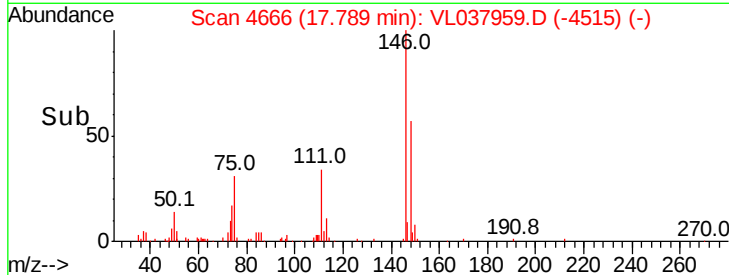
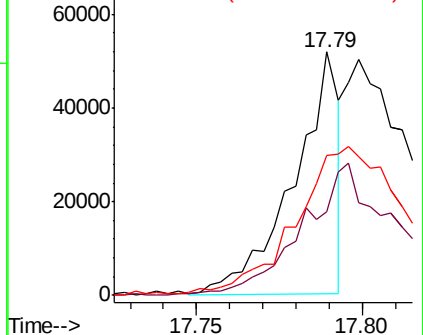
148 0.0 32.6 97.7#



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: 0.342 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

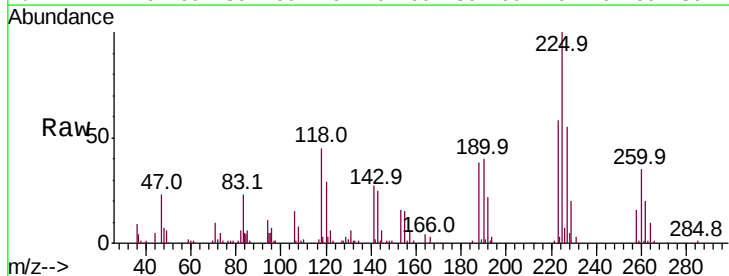
Tgt Ion:225 Resp: 69926

Ion Ratio Lower Upper

225 100

223 112.9 50.0 75.0#

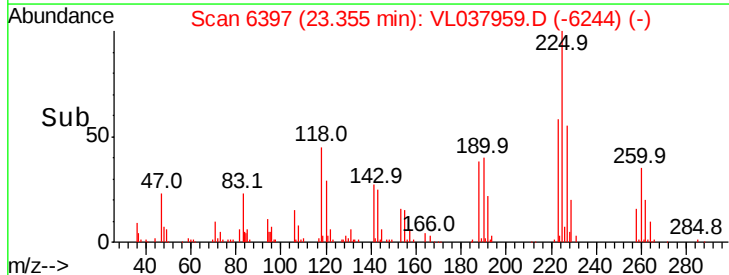
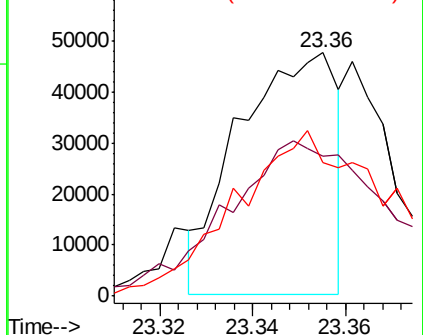
227 113.8 51.5 77.3#

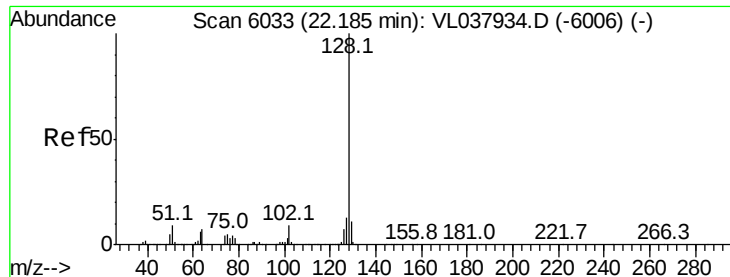


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.140 ppbv

RT: 22.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:43

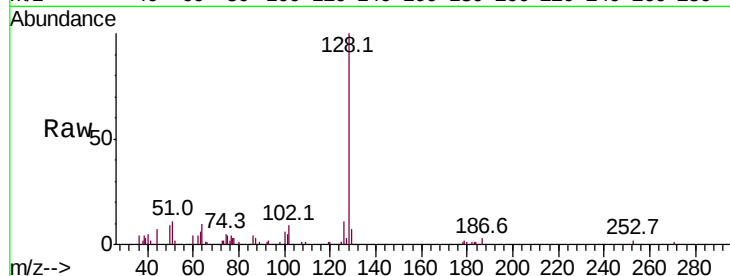
Tot Ion:128 Resp: 32812

Ion Ratio Lower Upper

128 100

127 0.7 10.2 15.2#

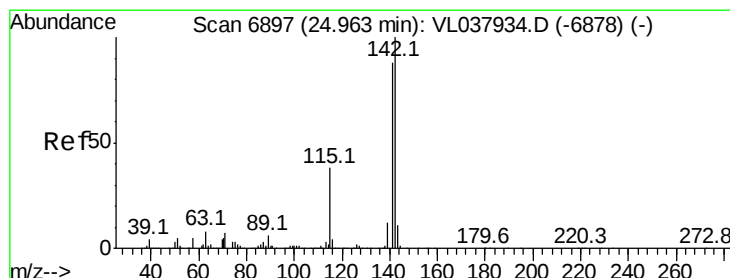
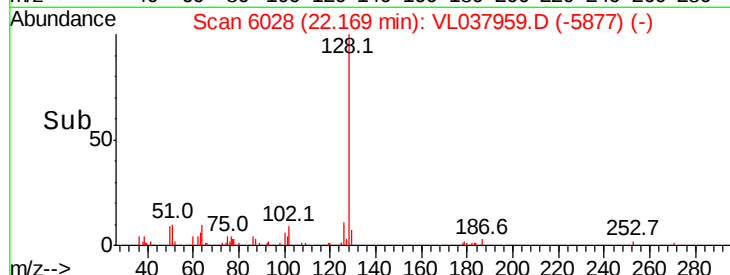
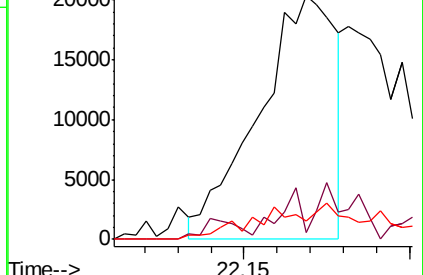
129 5.9 9.0 13.4#



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: 0.106 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.01 min

Lab File: VL037959.D

Acq: 2 Nov 2021 4:43

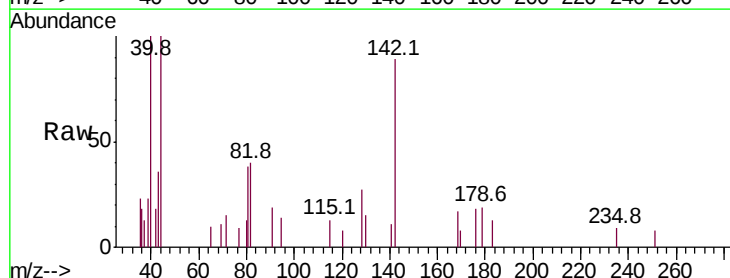
Tgt Ion:142 Resp: 4854

Ion Ratio Lower Upper

142 100

141 22.1 66.4 99.6#

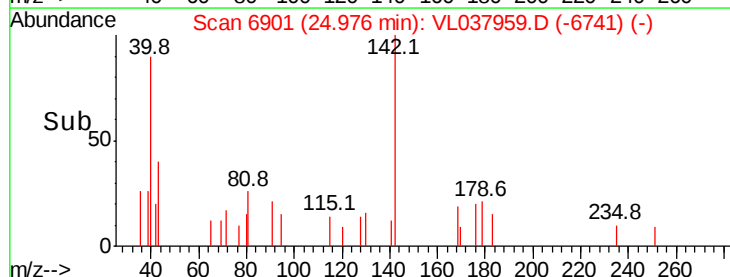
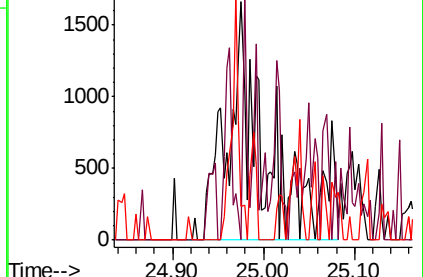
115 26.9 29.0 43.4#

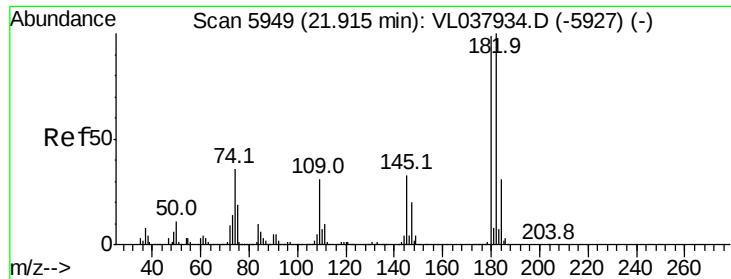


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.022 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 4:43

Tot Ion:180 Resp: 3297
 Ion Ratio Lower Upper
 180 100
 182 0.0 79.3 118.9#
 184 0.0 25.3 37.9#

