

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036965.D
 Acq On : 18 May 2021 12:38
 Operator : SY/AP
 Sample : M2262-13 0.4
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Quant Time: May 19 03:12:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1230032	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3670358	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3413730	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2565500	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	99837	0.478	ppbv 93
3) Chlorodifluoromethane	2.97	51	105195	0.467	ppbv 99
4) Chloromethane	3.12	50	23480	0.306	ppbv 90
5) Vinyl Chloride	3.24	62	22480	0.268	ppbv 93
6) Bromomethane	3.46	94	16051	0.363	ppbv 90
7) Chloroethane	3.54	64	5278	0.194	ppbv # 87
8) Dichlorotetrafluoroethane	3.17	85	83421	0.426	ppbv 89
9) Propene	2.99	41	41420	0.513	ppbv 99
10) Heptane	8.10	43	87828	0.437	ppbv 98
11) Trichlorofluoromethane	3.93	101	89495	0.463	ppbv 91
12) 1,1,2-Trichlorotrifluoroet	4.47	101	60585	0.440	ppbv 97
13) Ethanol	3.61	45	3048	0.283	ppbv # 35
14) Bromoethene	3.72	108	23137	0.382	ppbv # 83
16) 1,3-Butadiene	3.31	39	28918	0.369	ppbv 87
18) 1,1-Dichloroethene	4.27	96	26934	0.423	ppbv 88
20) Methylene Chloride	4.33	84	30065	0.445	ppbv 96
21) Allyl Chloride	4.39	41	31251	0.329	ppbv # 68
22) trans-1,2-Dichloroethene	4.86	96	12153	0.199	ppbv # 94
24) 1,1-Dichloroethane	4.99	63	54147	0.376	ppbv 98
25) Ethyl Acetate	5.67	43	74972	0.248	ppbv # 78
26) Hexane	5.66	57	61400	0.397	ppbv # 86
27) Carbon Disulfide	4.53	76	54553	0.350	ppbv # 96
28) Methyl tert-Butyl Ether	5.03	73	71124	0.384	ppbv 99
29) Chloroform	5.73	83	100894	0.462	ppbv 90
30) Cyclohexane	7.10	84	31189	0.237	ppbv # 1
31) cis-1,2-Dichloroethene	5.52	61	55586	0.401	ppbv 91
32) 1,1,1-Trichloroethane	6.49	97	89429	0.381	ppbv 94
34) 2-Butanone	5.25	43	29172	0.218	ppbv # 52
35) Carbon Tetrachloride	7.00	117	91889	0.377	ppbv 93
36) Benzene	6.86	78	137081	0.434	ppbv 96
37) 1,2-Dichloroethane	6.29	62	62295	0.397	ppbv 97
38) Trichloroethene	7.81	130	51081	0.378	ppbv 92
39) 1,2-Dichloropropane	7.59	63	21247	0.174	ppbv 95
41) Tetrahydrofuran	6.06	42	23589	0.310	ppbv # 72
42) Bromodichloromethane	7.76	83	87566	0.369	ppbv # 95
43) Methyl Methacrylate	8.00	69	39194	0.360	ppbv 99
44) 2,2,4-Trimethylpentane	7.84	57	235924	0.435	ppbv 99
45) t-1,3-Dichloropropene	9.26	75	11488	0.138	ppbv 99
46) cis-1,3-Dichloropropene	8.68	75	33798	0.302	ppbv 94
47) 1,1,2-Trichloroethane	9.46	97	51716	0.406	ppbv 90
48) Dibromochloromethane	10.28	129	67478	0.327	ppbv 97

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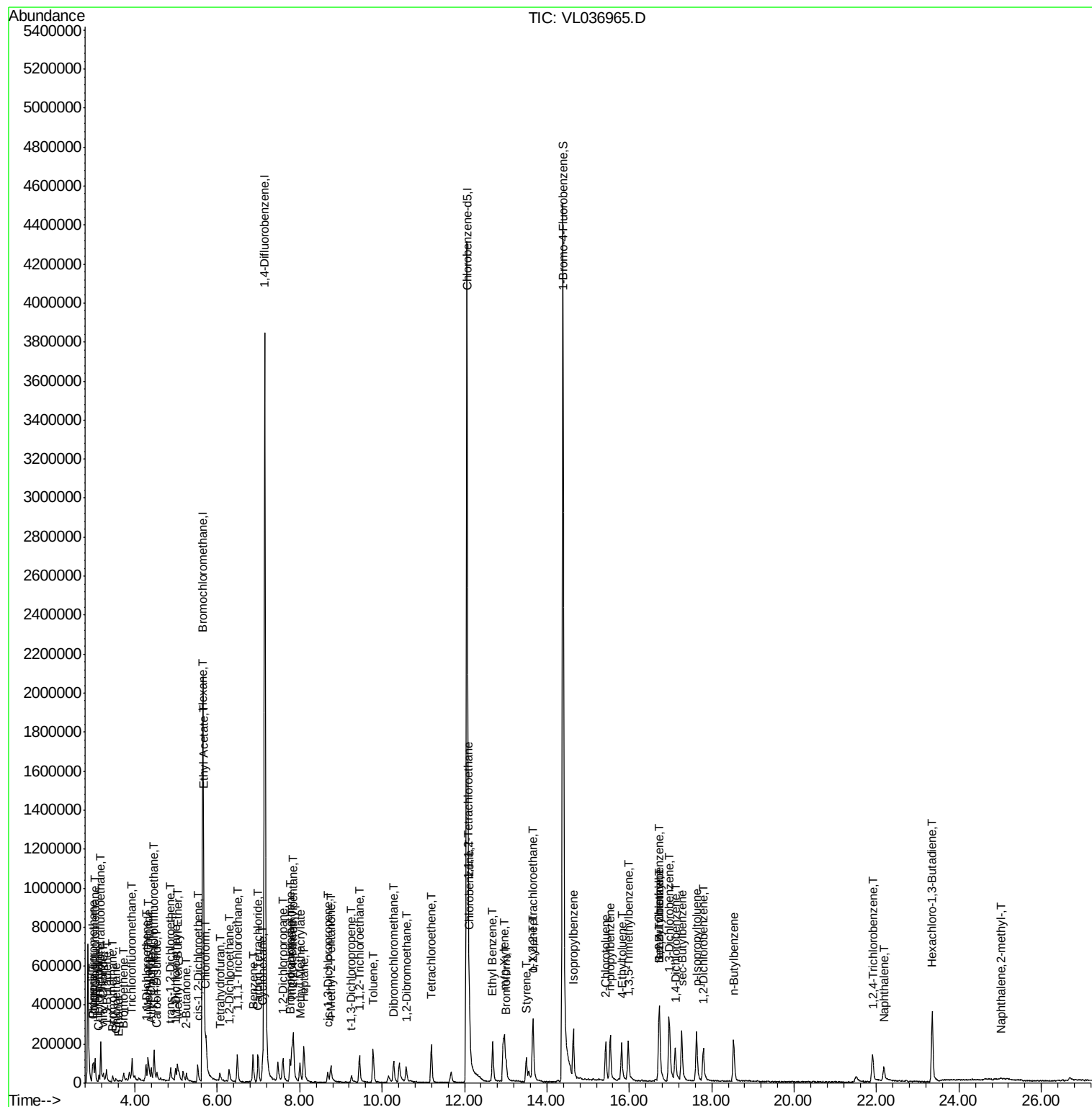
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Bromoform	13.01	173	47979	0.281	ppbv	93
50) 4-Methyl-2-Pentanone	8.75	43	74120	0.336	ppbv #	84
52) Tetrachloroethene	11.20	164	55164	0.439	ppbv	96
53) Toluene	9.78	91	160503	0.427	ppbv	98
54) 1,2-Dibromoethane	10.58	107	32517	0.179	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	55946	0.389	ppbv #	1
57) Chlorobenzene	12.12	112	116404	0.440	ppbv #	92
58) Ethyl Benzene	12.68	91	208391	0.433	ppbv	94
59) m/p-Xylene	12.97	91	124650	0.313	ppbv #	1
60) o-Xylene	13.67	91	78205	0.206	ppbv #	30
61) Styrene	13.50	104	76946	0.360	ppbv	90
62) Isopropylbenzene	14.64	105	233866	0.428	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	47505	0.167	ppbv #	25
64) n-propylbenzene	15.54	120	55182	0.392	ppbv #	57
65) tert-Butylbenzene	16.72	119	216044	0.439	ppbv	95
66) Benzyl Chloride	16.72	91	162737	5.954	ppbv #	62
67) sec-Butylbenzene	17.27	105	280136	0.417	ppbv	100
69) p-Isopropyltoluene	17.63	119	234105	0.405	ppbv	97
70) n-Butylbenzene	18.53	91	219199	0.399	ppbv	97
71) 2-Chlorotoluene	15.42	91	174336	0.442	ppbv	100
72) 4-Ethyltoluene	15.81	105	181228	0.402	ppbv	96
73) 1,3,5-Trimethylbenzene	15.98	105	172452	0.407	ppbv	89
74) 1,2,4-Trimethylbenzene	16.73	105	101025	0.231	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	108332	0.405	ppbv	92
76) 1,4-Dichlorobenzene	17.11	146	105634	0.391	ppbv	95
77) 1,2-Dichlorobenzene	17.80	146	104579	0.390	ppbv	89
78) Hexachloro-1,3-Butadiene	23.36	225	94343	0.438	ppbv	95
79) Naphthalene	22.18	128	59442	0.173	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	10893	0.146	ppbv #	88
81) 1,2,4-Trichlorobenzene	21.90	180	70299	0.336	ppbv	94

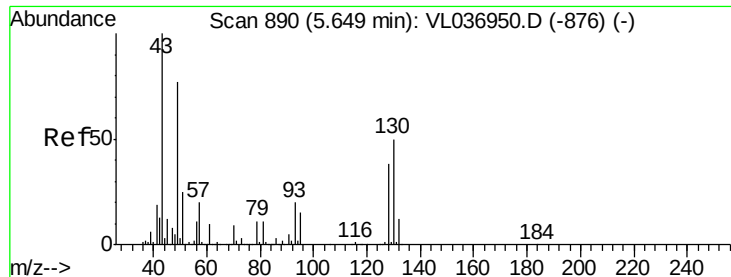
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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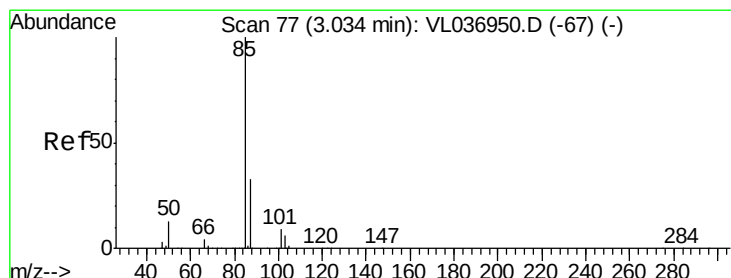
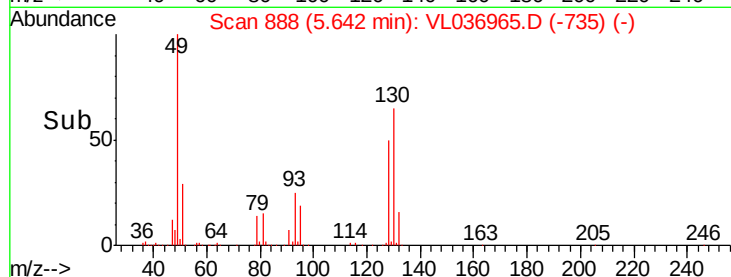
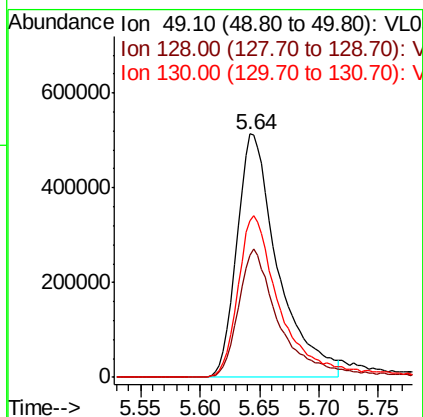
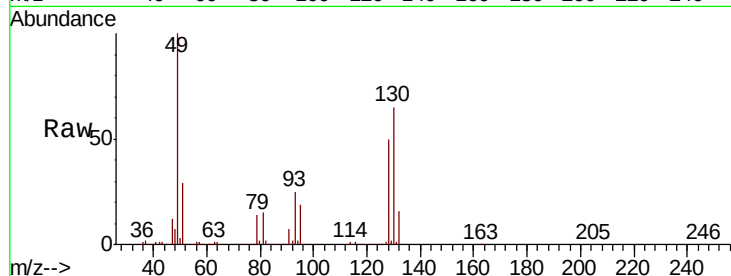




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

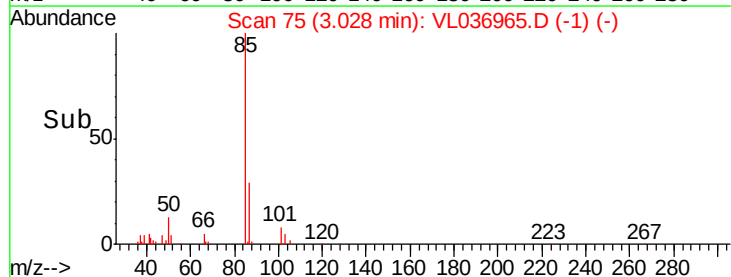
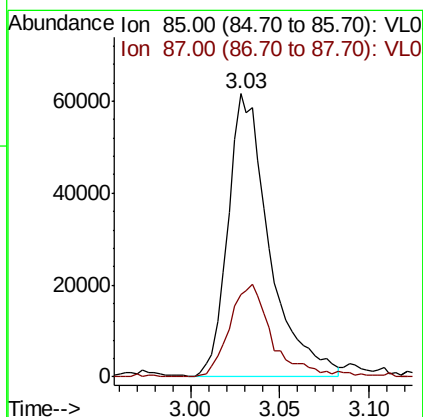
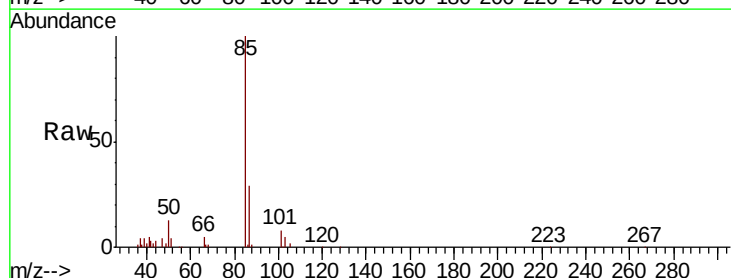
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

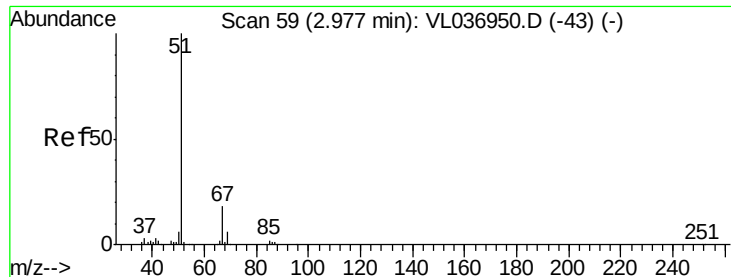
Tot Ion: 49 Resp: 1230032
 Ion Ratio Lower Upper
 49 100
 128 53.8 26.9 80.7
 130 71.7 33.8 101.4



#2
 Dichlorodifluoromethane
 Concen: 0.478 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 85 Resp: 99837
 Ion Ratio Lower Upper
 85 100
 87 29.0 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.467 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

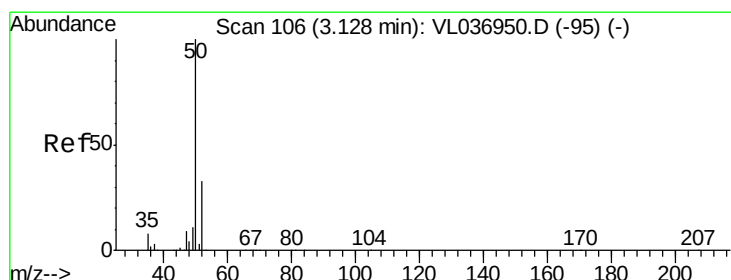
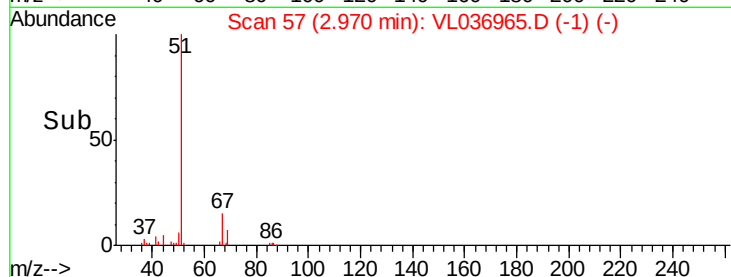
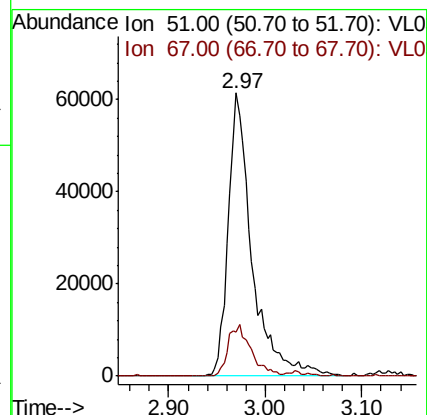
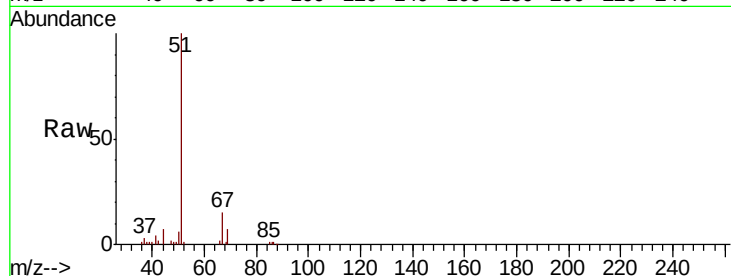
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 51 Resp: 105195

Ion Ratio Lower Upper

51 100

67 18.9 14.6 21.8



#4

Chloromethane

Concen: 0.306 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036965.D

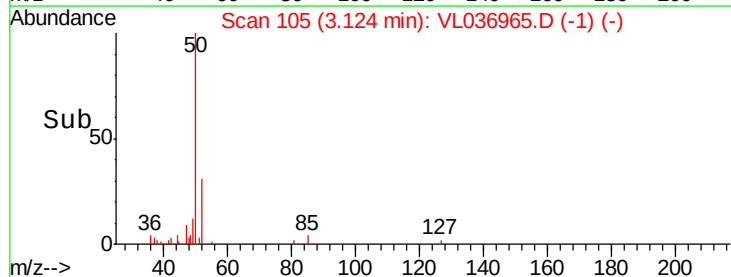
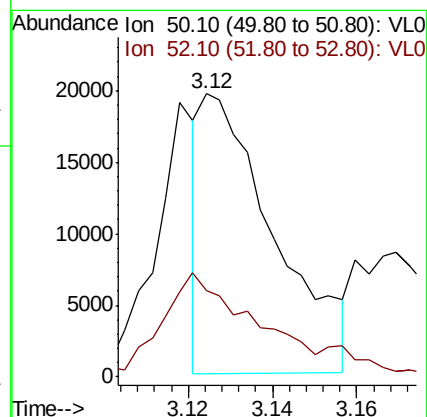
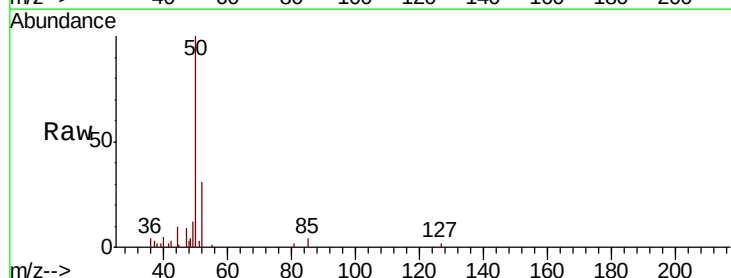
Acq: 18 May 2021 12:38

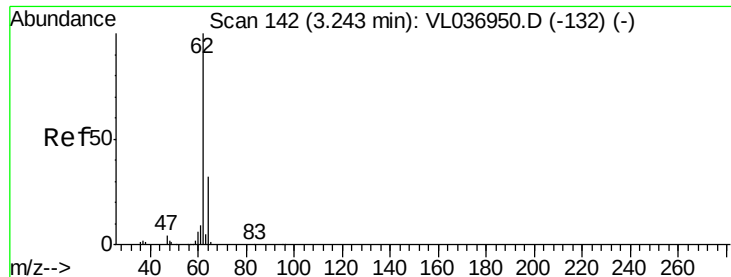
Tgt Ion: 50 Resp: 23480

Ion Ratio Lower Upper

50 100

52 26.9 26.1 39.1





#5

Vinyl Chloride

Concen: 0.268 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

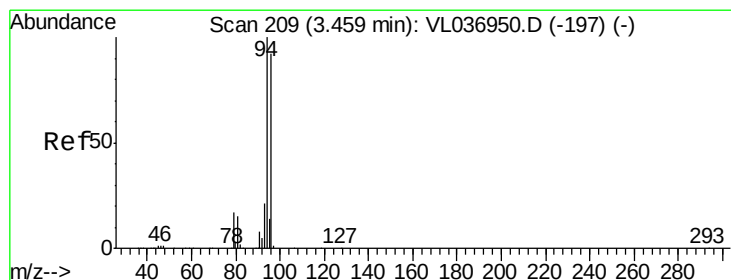
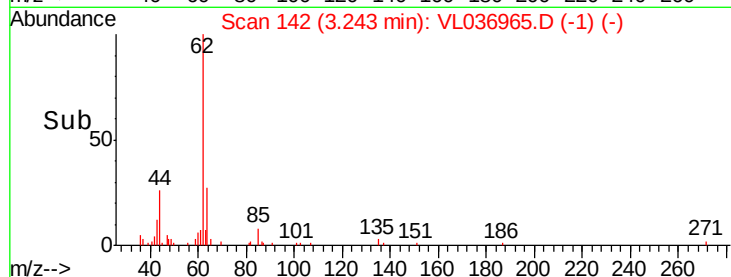
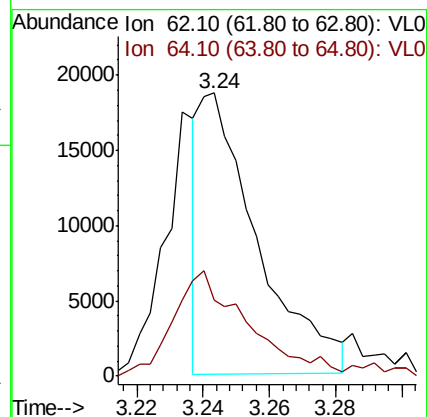
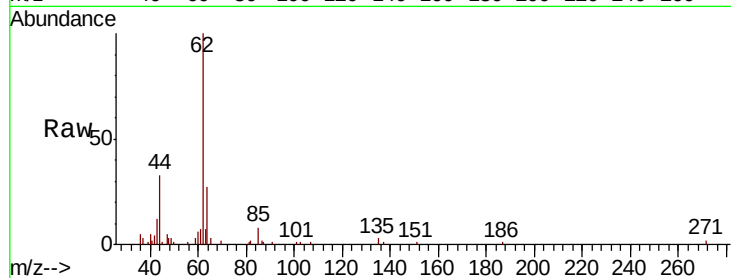
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 62 Resp: 22480

Ion Ratio Lower Upper

62 100

64 28.3 25.9 38.9



#6

Bromomethane

Concen: 0.363 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL036965.D

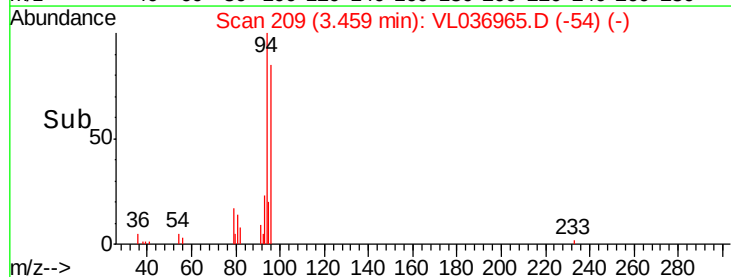
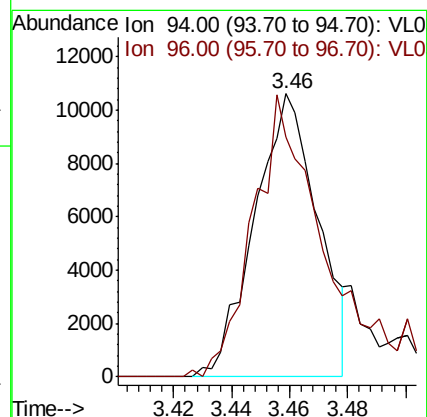
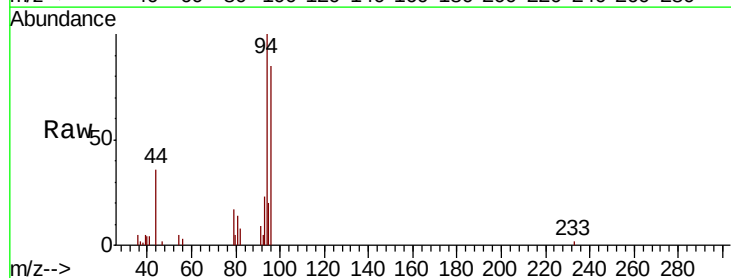
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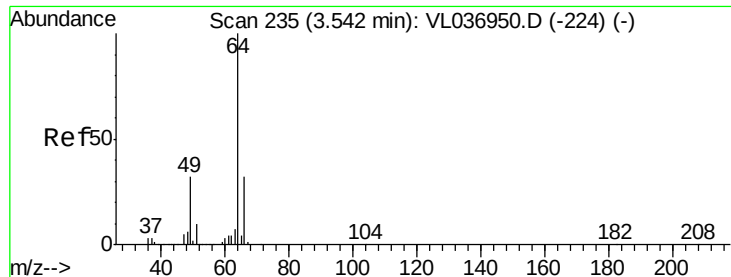
Tgt Ion: 94 Resp: 16051

Ion Ratio Lower Upper

94 100

96 82.5 74.0 111.0





#7

Chloroethane

Concen: 0.194 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

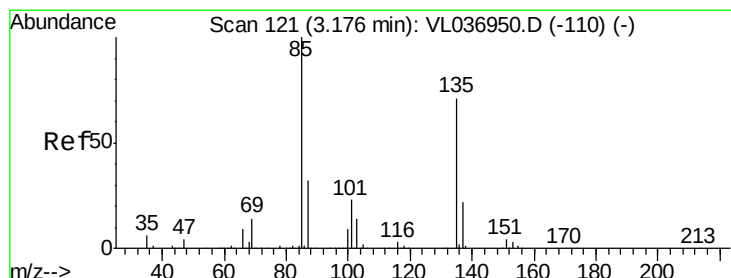
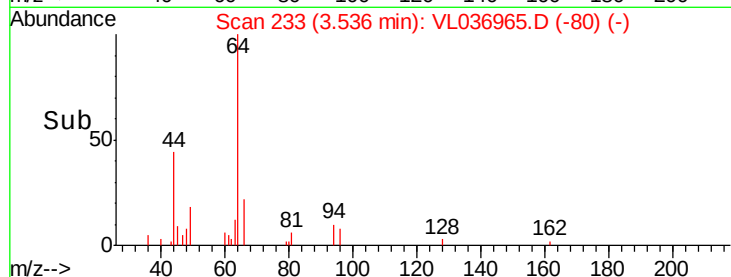
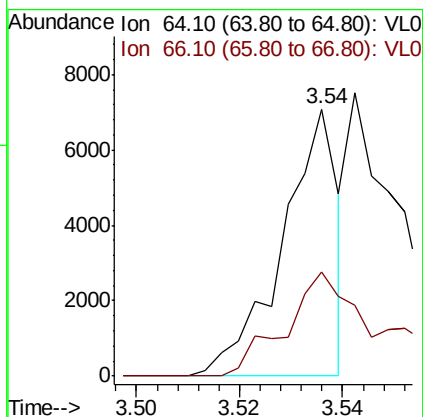
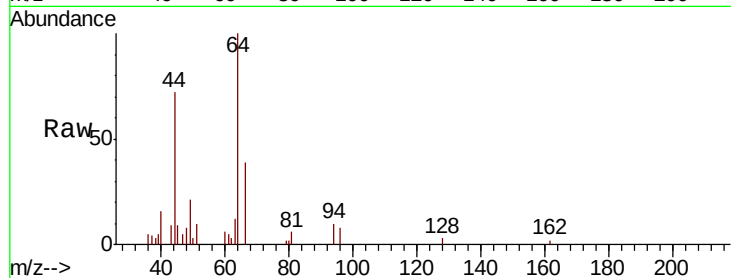
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 64 Resp: 5278

Ion Ratio Lower Upper

64 100

66 39.2 25.4 38.2#



#8

Dichlorotetrafluoroethane

Concen: 0.426 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL036965.D

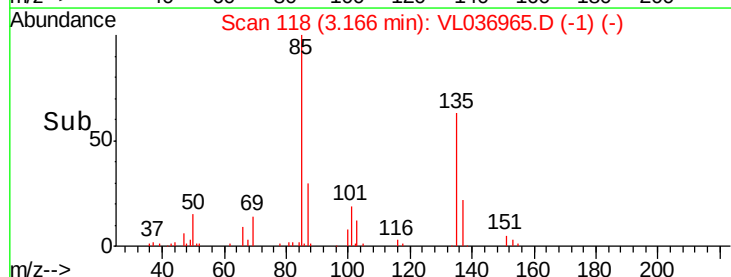
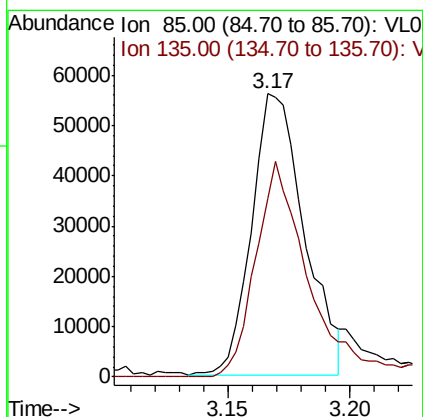
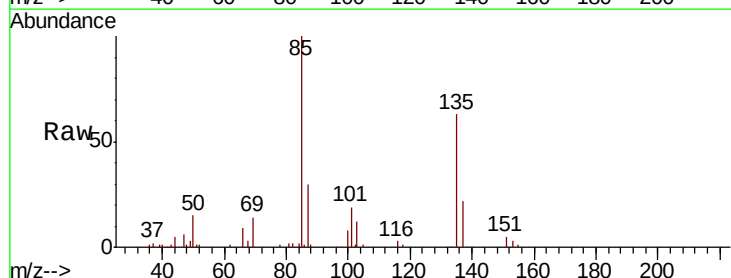
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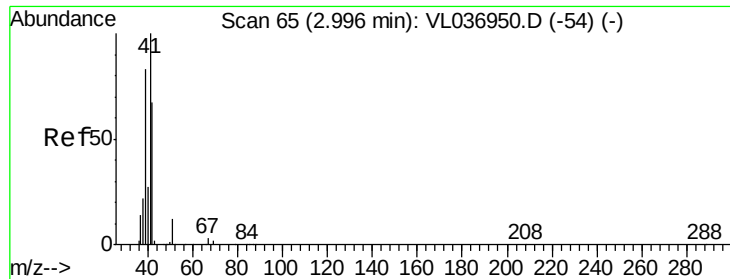
Tgt Ion: 85 Resp: 83421

Ion Ratio Lower Upper

85 100

135 81.0 57.7 86.5





#9

Propene

Concen: 0.513 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

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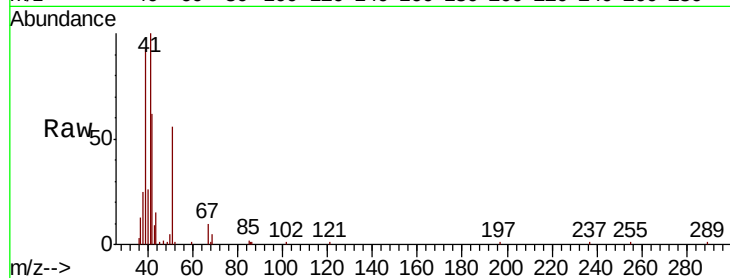
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 41 Resp: 41420

Ion Ratio Lower Upper

41 100

42 66.3 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

25000

20000

15000

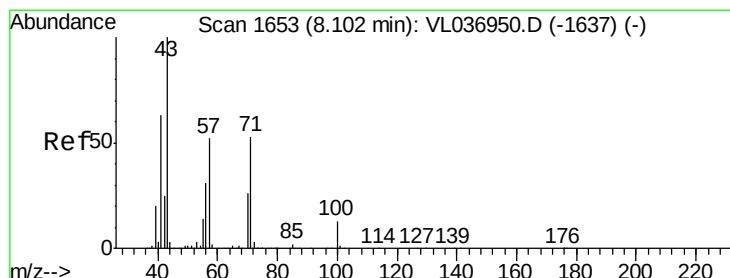
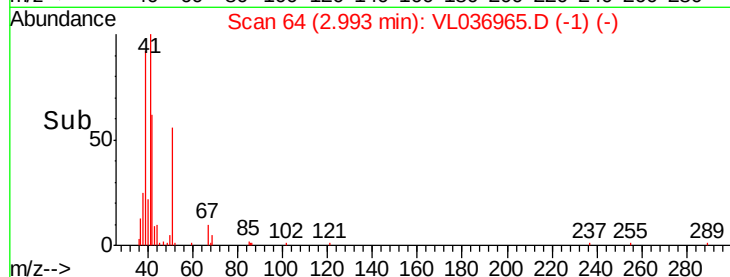
10000

5000

0

Time-->

2.95 3.00 3.05



#10

Heptane

Concen: 0.437 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036965.D

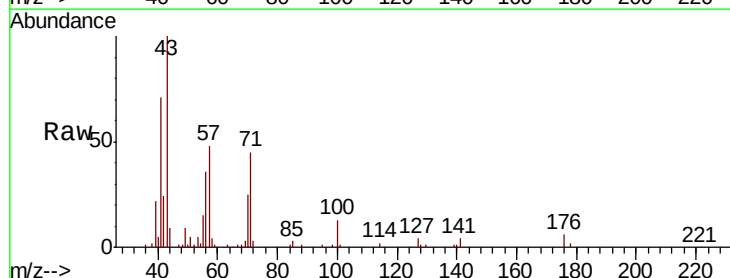
Acq: 18 May 2021 12:38

Tgt Ion: 43 Resp: 87828

Ion Ratio Lower Upper

43 100

57 52.8 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

40000

30000

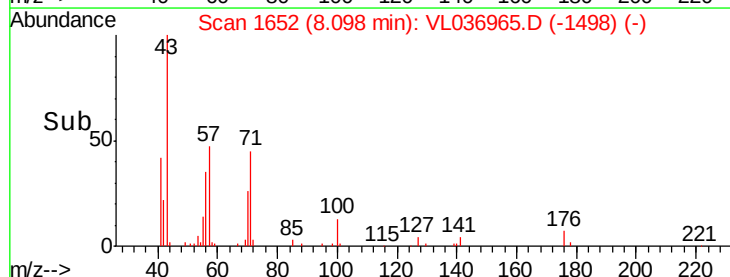
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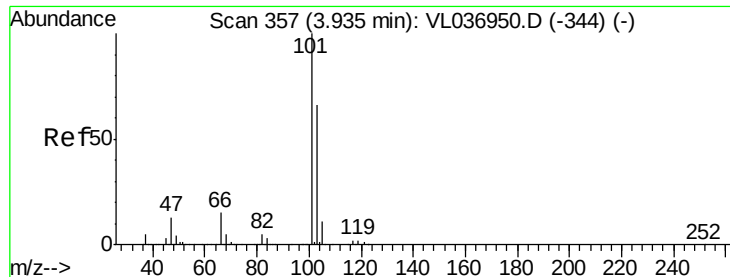
10000

0

Time-->

8.00 8.05 8.10 8.15





#11

Trichlorofluoromethane

Concen: 0.463 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

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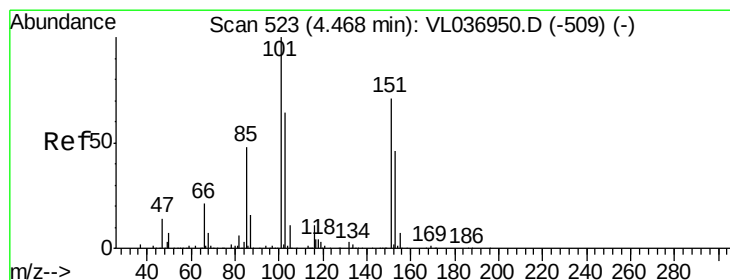
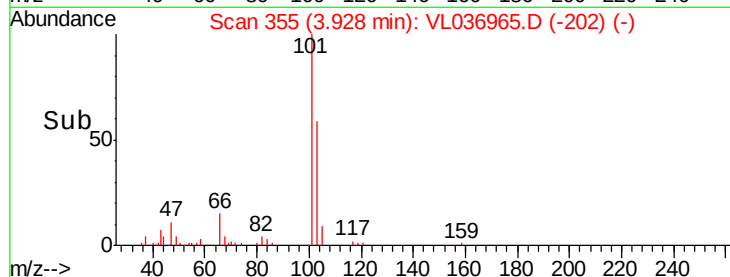
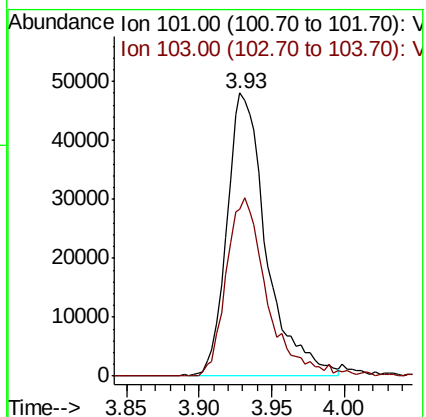
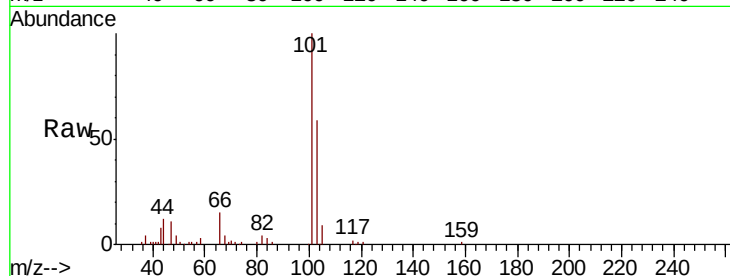
LOD-MDL-AIR-01-QT2-2021

Tot Ion:101 Resp: 89495

Ion Ratio Lower Upper

101 100

103 59.0 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.440 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL036965.D

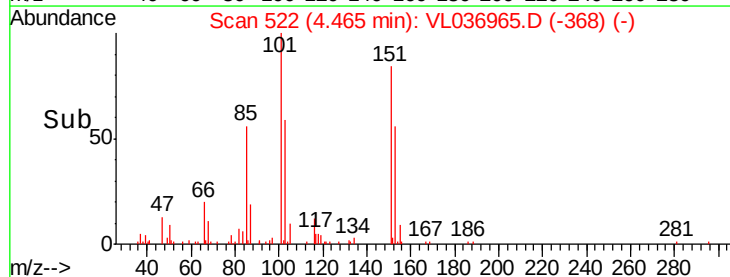
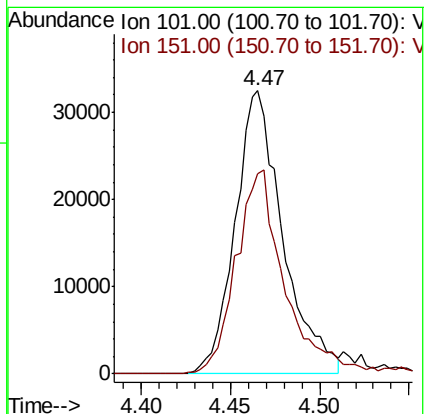
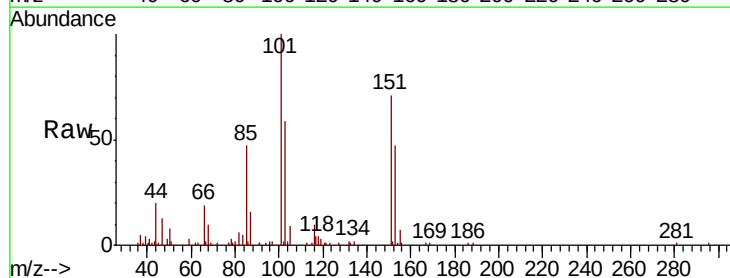
Acq: 18 May 2021 12:38

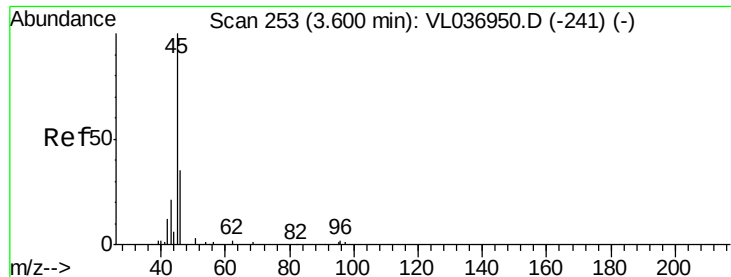
Tgt Ion:101 Resp: 60585

Ion Ratio Lower Upper

101 100

151 74.5 57.7 86.5

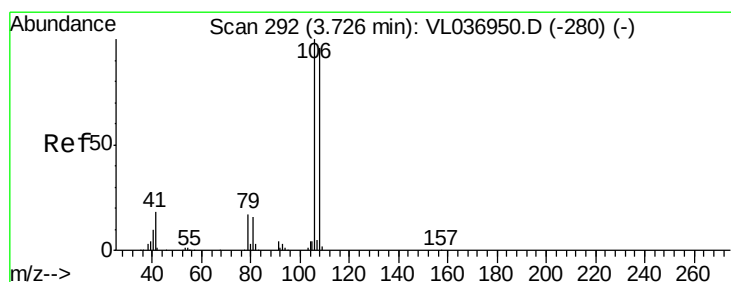
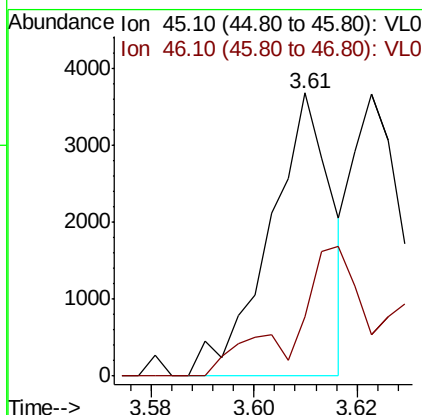
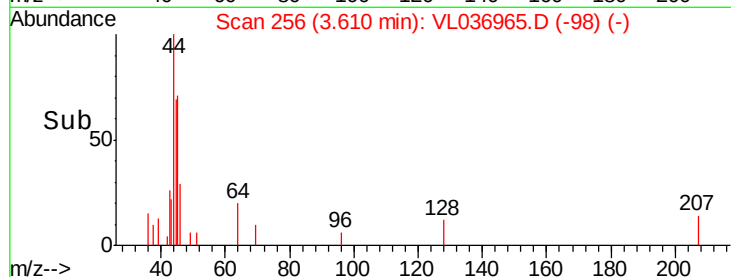
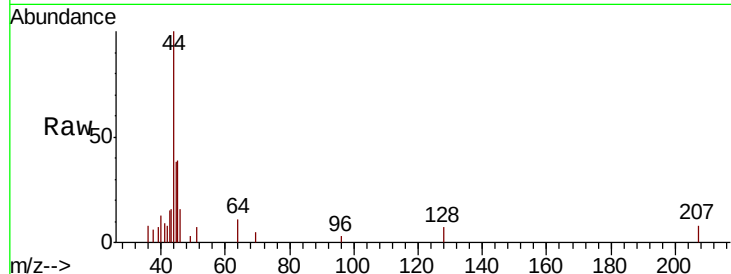




#13
Ethanol
Concen: 0.283 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

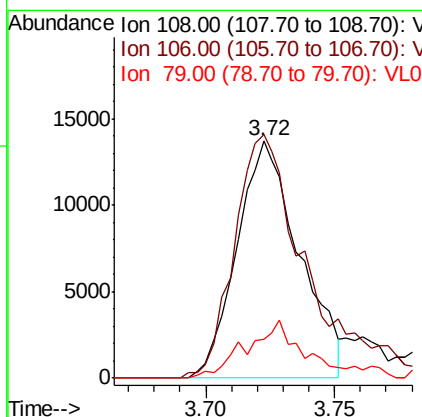
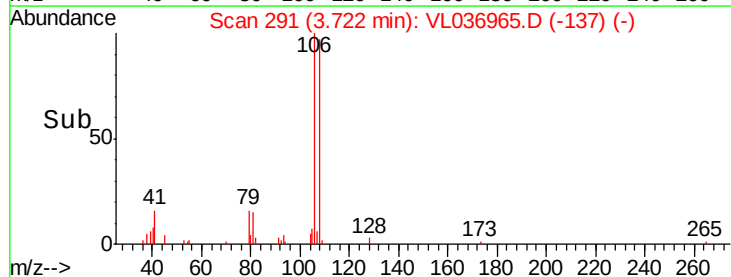
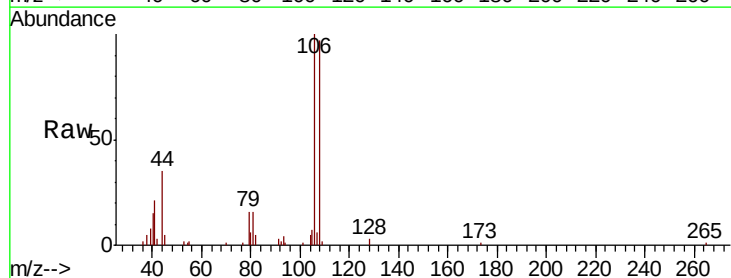
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

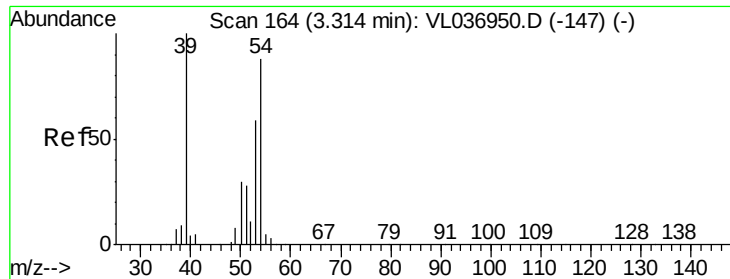
Tot Ion: 45 Resp: 3048
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#14
Bromoethene
Concen: 0.382 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion: 108 Resp: 23137
Ion Ratio Lower Upper
108 100
106 126.3 86.5 129.7
79 24.8 15.0 22.4#





#16

1,3-Butadiene

Concen: 0.369 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

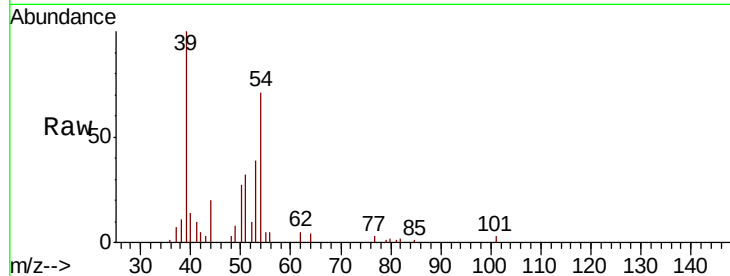
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 39 Resp: 28918

Ion Ratio Lower Upper

39 100

54 90.8 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

20000

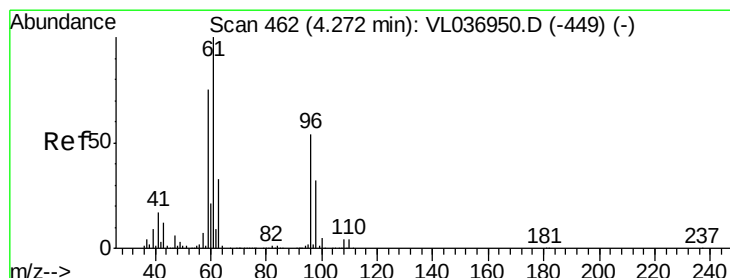
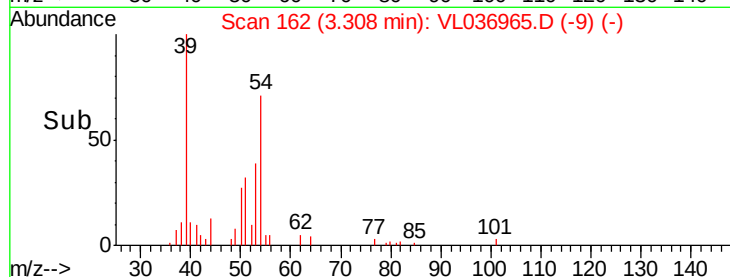
15000

10000

5000

0

Time-->



#18

1,1-Dichloroethene

Concen: 0.423 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

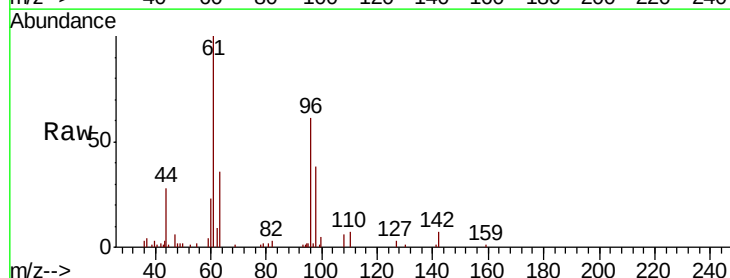
Tgt Ion: 96 Resp: 26934

Ion Ratio Lower Upper

96 100

61 163.5 148.2 222.4

98 61.4 47.8 71.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

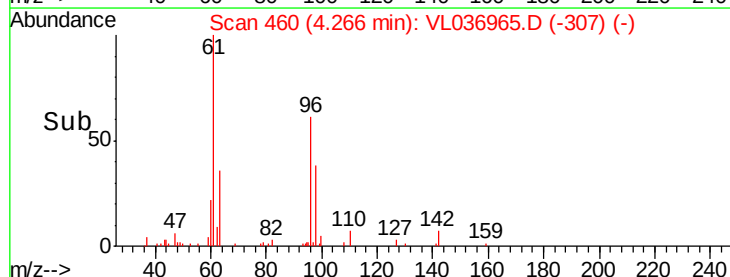
30000

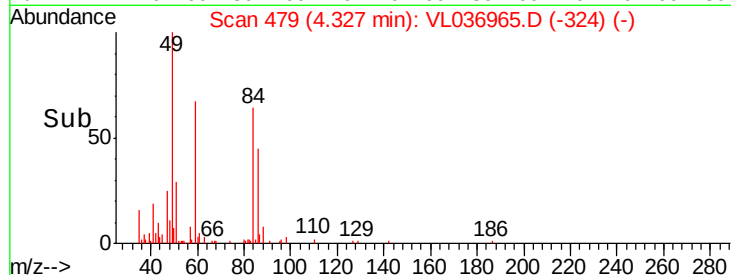
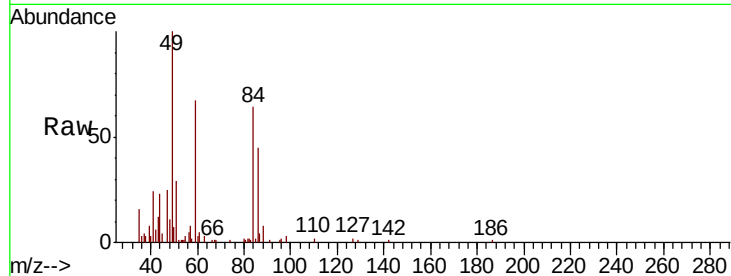
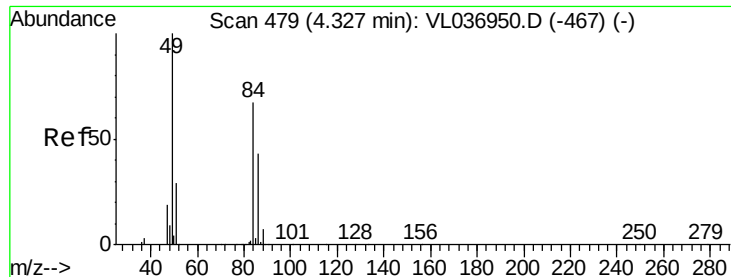
20000

10000

0

Time-->

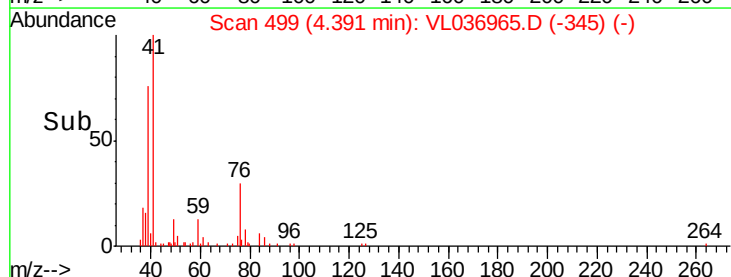
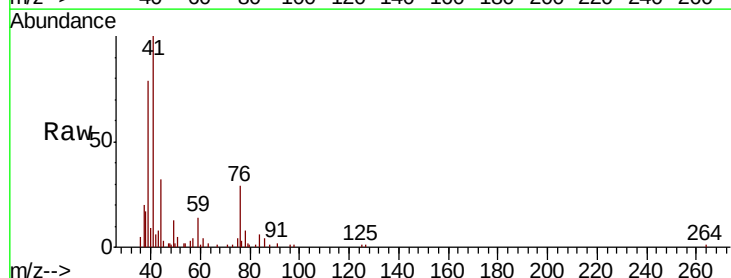
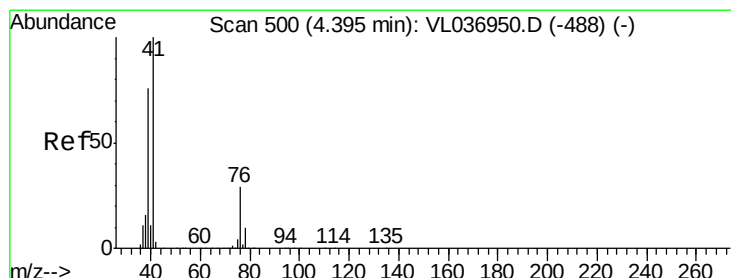
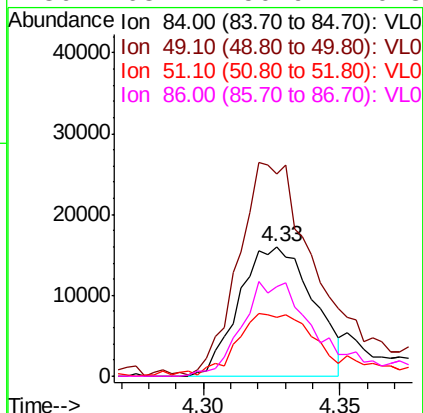




#20
Methylene Chloride
Concen: 0.445 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

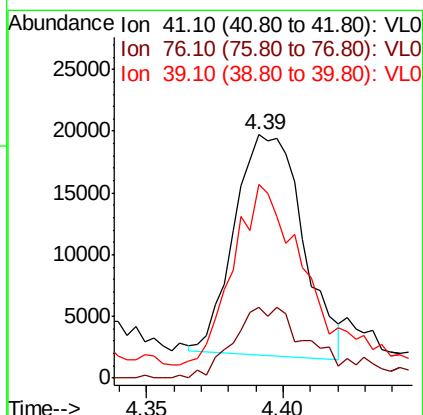
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

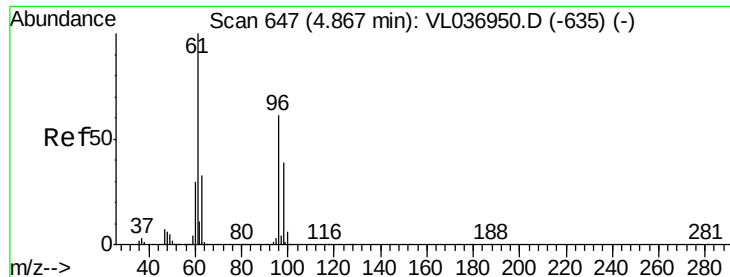
Tot Ion:	84	Resp:	30065
Ion	Ratio	Lower	Upper
84	100		
49	154.0	119.8	179.6
51	41.0	35.1	52.7
86	68.4	50.9	76.3



#21
Allyl Chloride
Concen: 0.329 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion:	41	Resp:	31251
Ion	Ratio	Lower	Upper
41	100		
76	40.3	24.9	37.3#
39	113.1	63.7	95.5#





#22

trans-1,2-Dichloroethene

Concen: 0.199 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

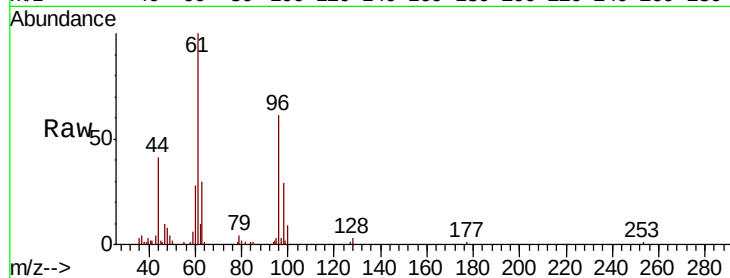
Tot Ion: 96 Resp: 12153

Ion Ratio Lower Upper

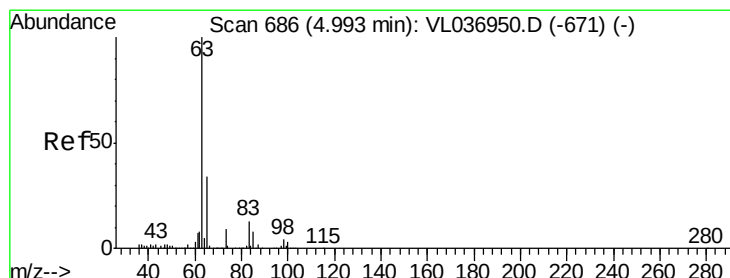
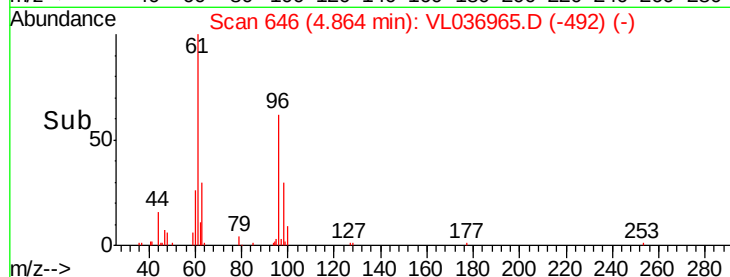
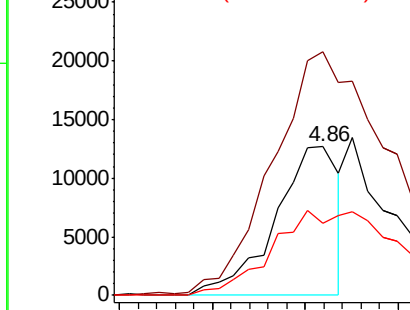
96 100

61 161.9 130.6 196.0

98 48.1 50.8 76.2#



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



#24

1,1-Dichloroethane

Concen: 0.376 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

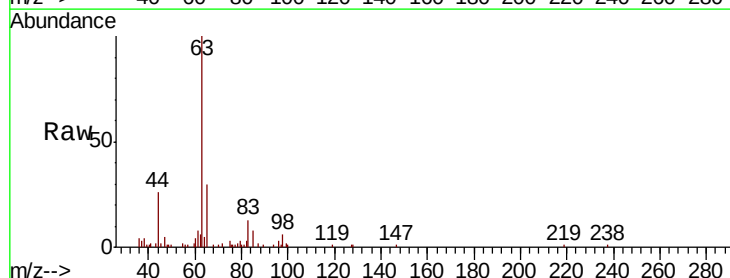
Tgt Ion: 63 Resp: 54147

Ion Ratio Lower Upper

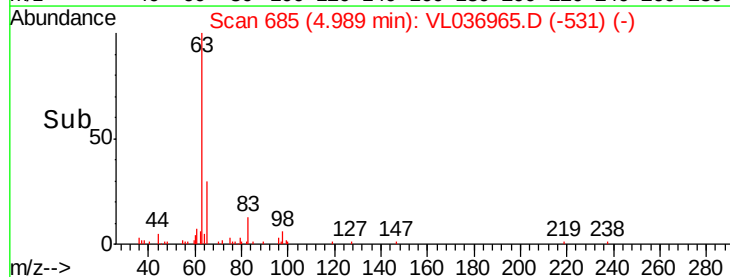
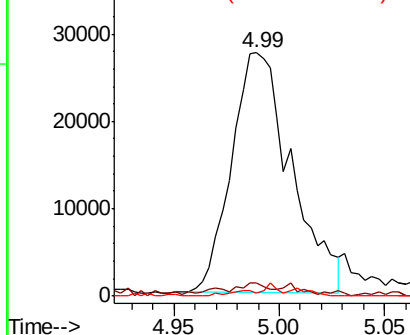
63 100

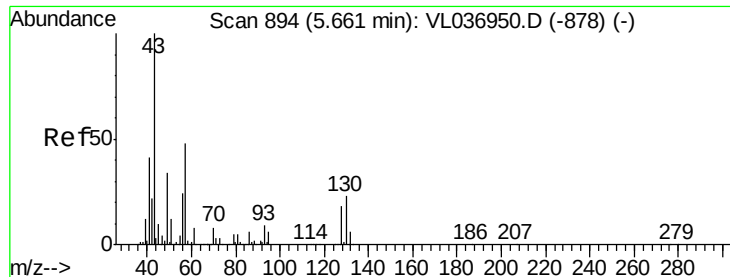
98 4.1 2.3 6.9

100 1.4 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

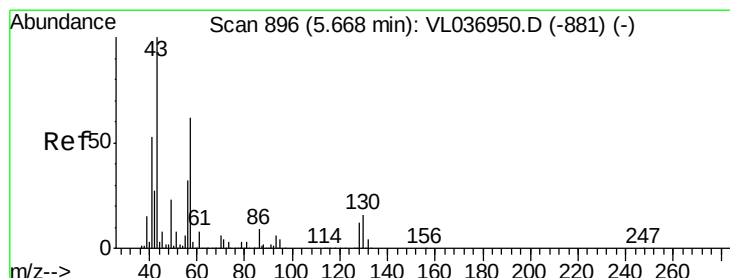
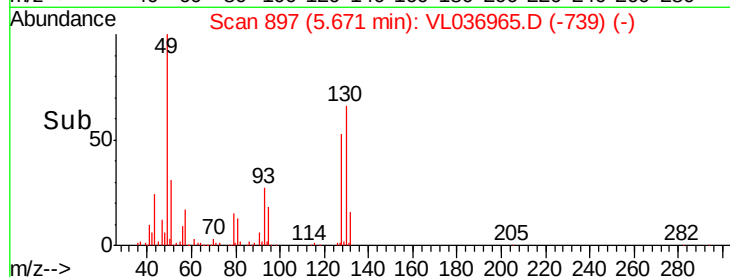
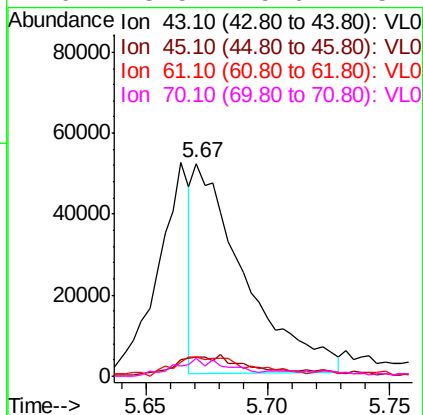
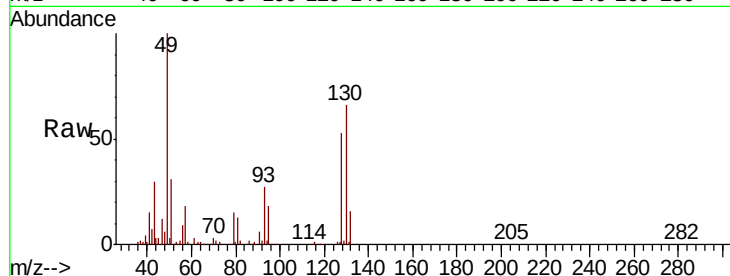




#25
Ethyl Acetate
Concen: 0.248 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

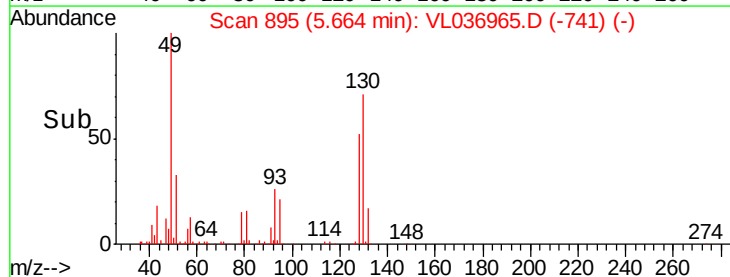
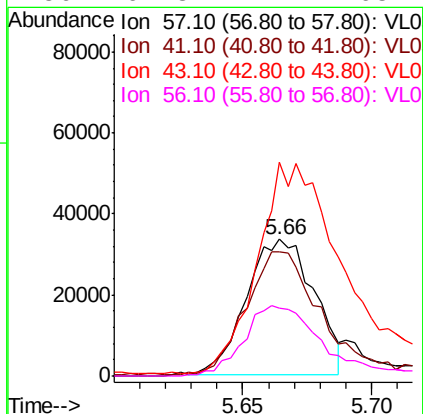
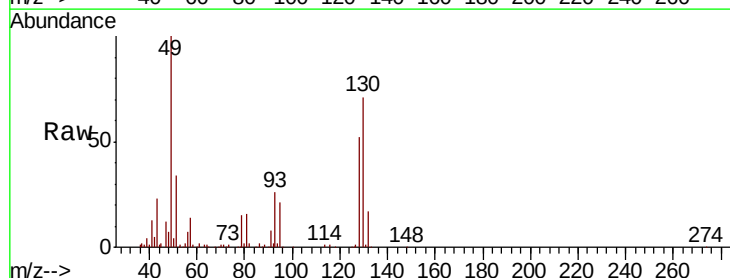
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

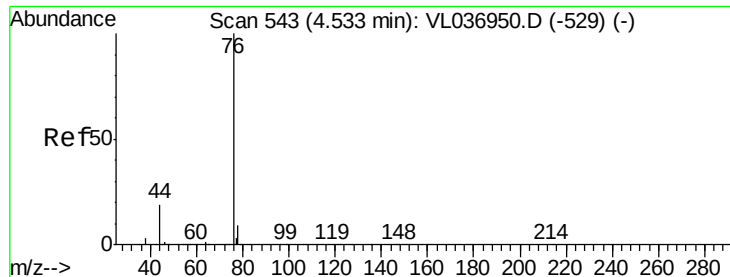
Tot Ion:	43	Resp:	74972
Ion	Ratio	Lower	Upper
43	100		
45	18.7	7.8	11.8#
61	17.9	7.8	11.8#
70	13.5	5.6	8.4#



#26
Hexane
Concen: 0.397 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion:	57	Resp:	61400
Ion	Ratio	Lower	Upper
57	100		
41	108.1	70.5	105.7#
43	224.2	165.8	248.8
56	62.3	42.2	63.4





#27

Carbon Disulfide

Concen: 0.350 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

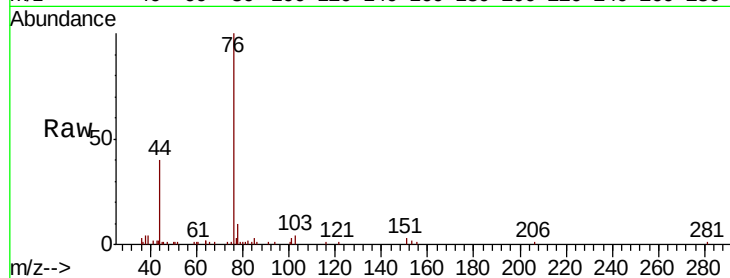
Tot Ion: 76 Resp: 54553

Ion Ratio Lower Upper

76 100

44 18.6 15.5 23.3

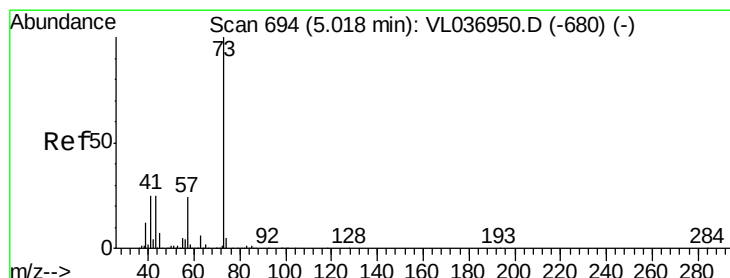
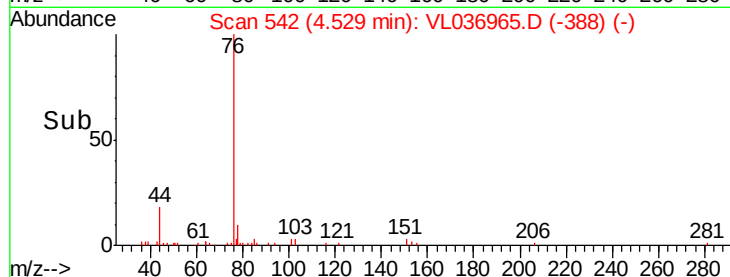
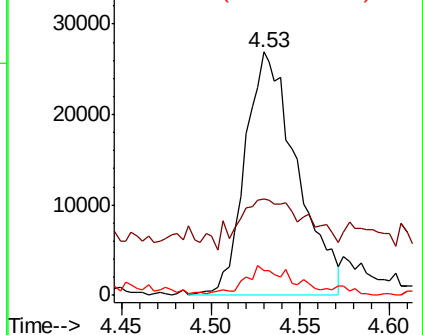
78 12.7 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.384 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.02 min

Lab File: VL036965.D

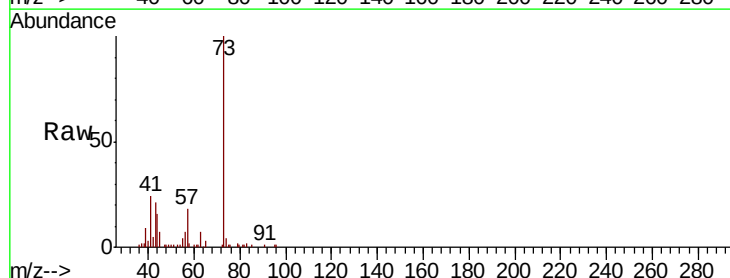
Acq: 18 May 2021 12:38

Tgt Ion: 73 Resp: 71124

Ion Ratio Lower Upper

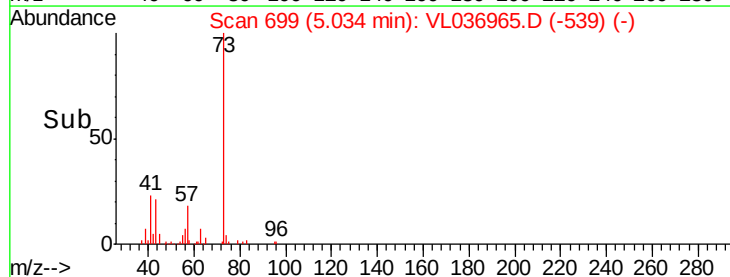
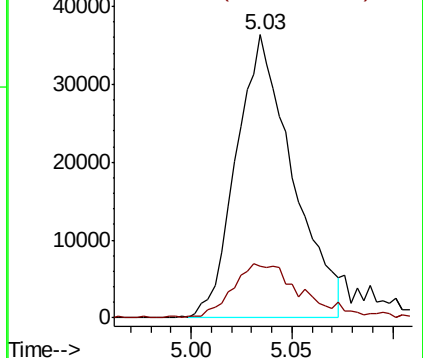
73 100

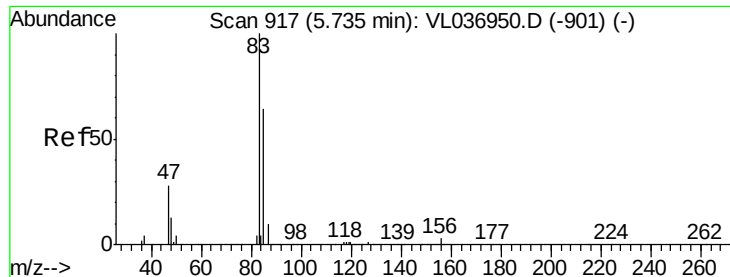
57 23.4 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.462 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

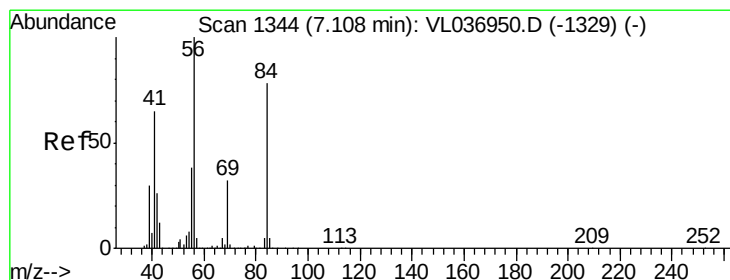
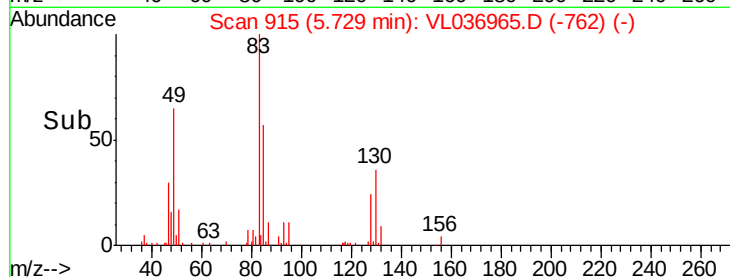
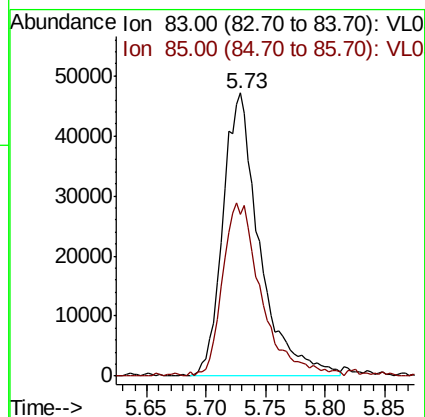
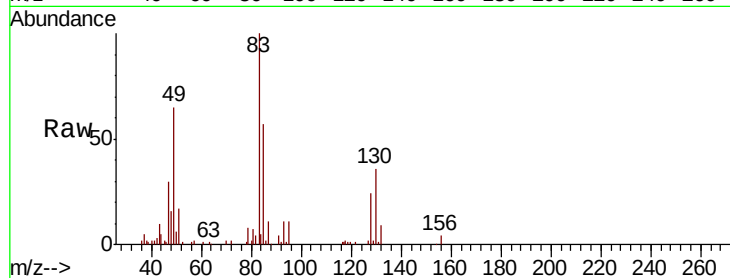
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 83 Resp: 100894

Ion Ratio Lower Upper

83 100

85 55.9 51.1 76.7



#30

Cyclohexane

Concen: 0.237 ppbv

RT: 7.10 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

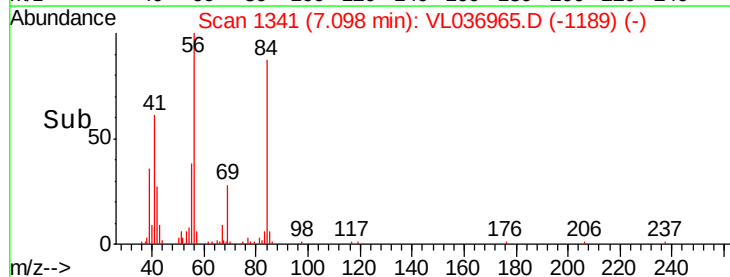
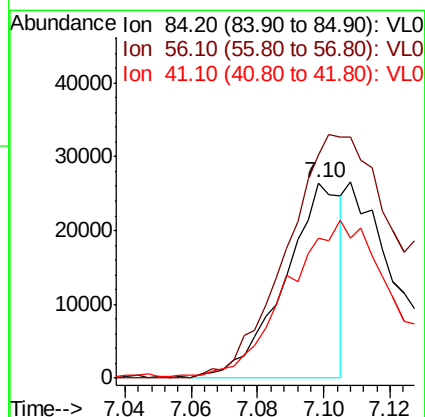
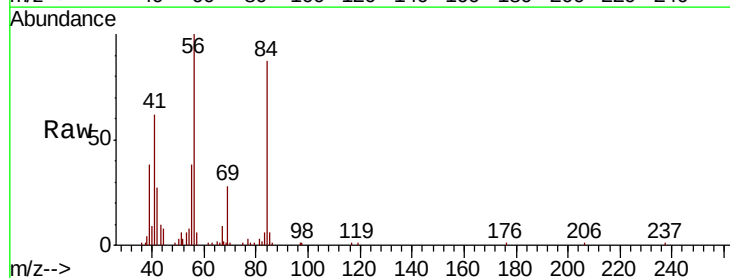
Tgt Ion: 84 Resp: 31189

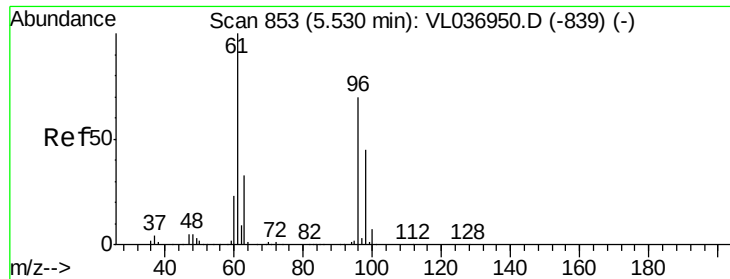
Ion Ratio Lower Upper

84 100

56 0.0 107.9 161.9#

41 0.0 65.5 98.3#



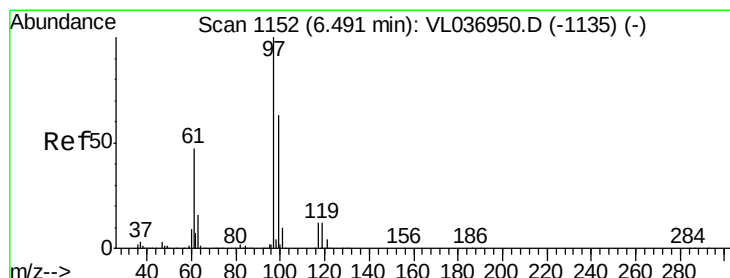
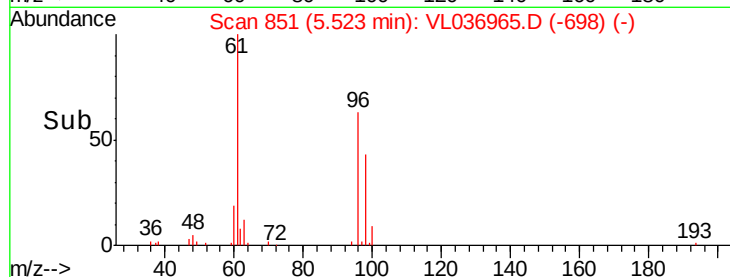
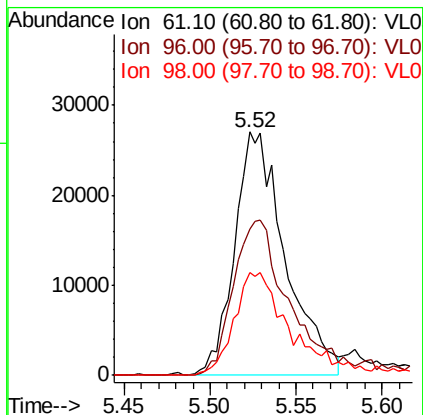
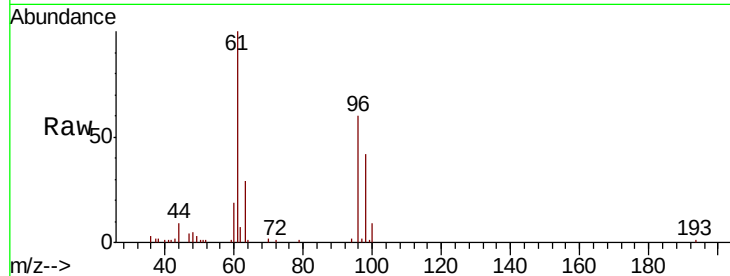


#31

cis-1,2-Dichloroethene
 Concen: 0.401 ppbv
 RT: 5.52 min Scan# 851
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

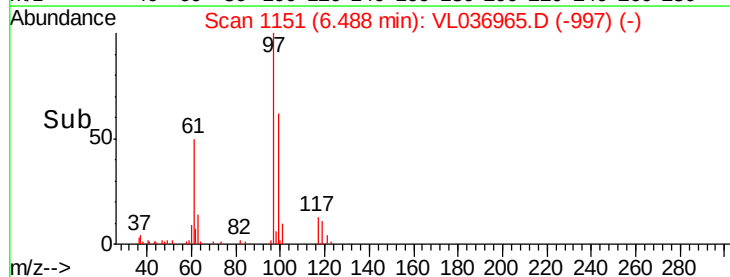
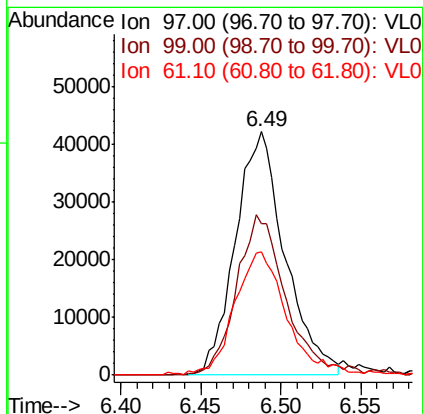
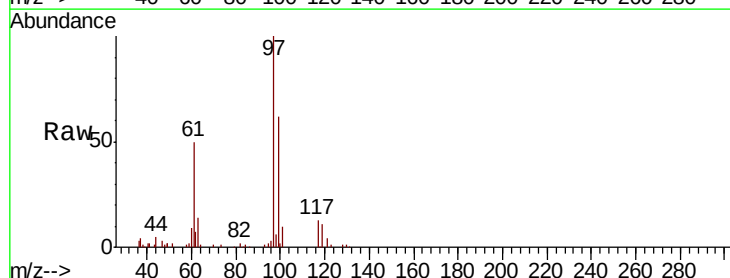
Tot Ion:	61	Resp:	55586
Ion	Ratio	Lower	Upper
61	100		
96	59.9	55.9	83.9
98	42.0	35.6	53.4

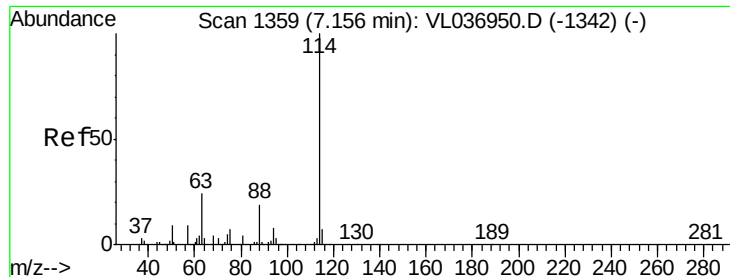


#32

1,1,1-Trichloroethane
 Concen: 0.381 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion:	97	Resp:	89429
Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.9	77.9
61	54.4	37.6	56.4

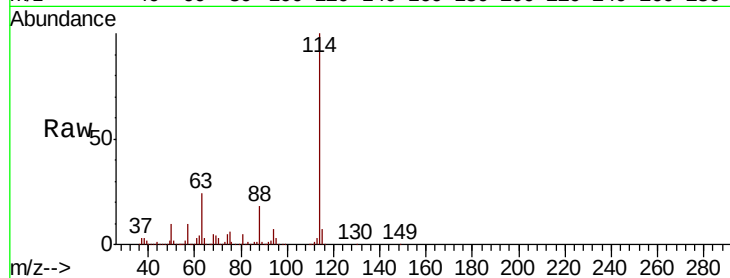




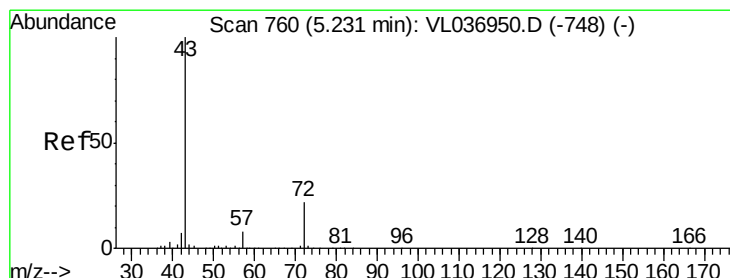
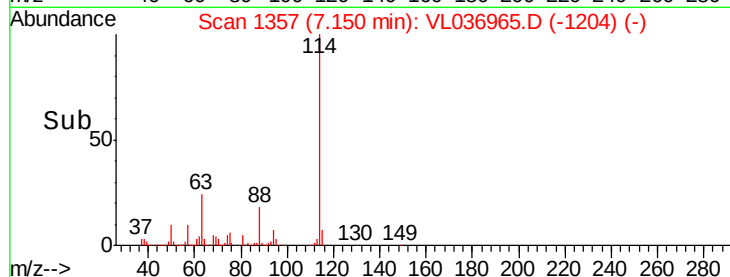
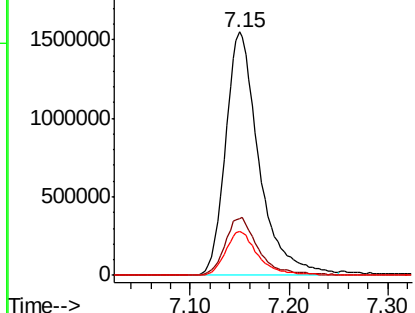
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion:114 Resp: 3670358
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.6 29.4
 88 18.0 14.6 21.8

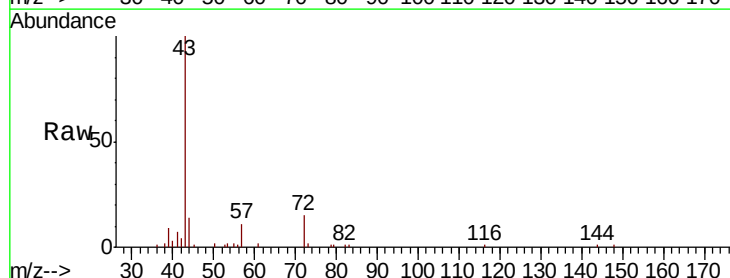


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

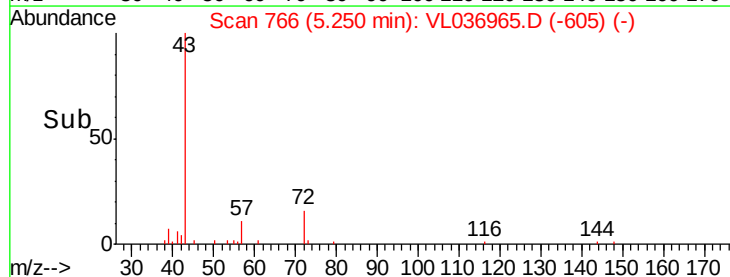
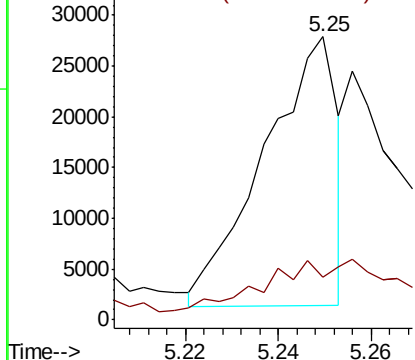


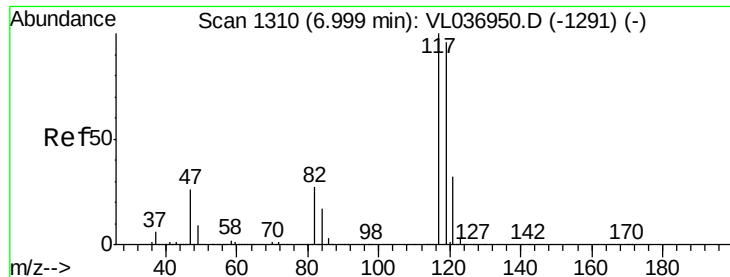
#34
 2-Butanone
 Concen: 0.218 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 43 Resp: 29172
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

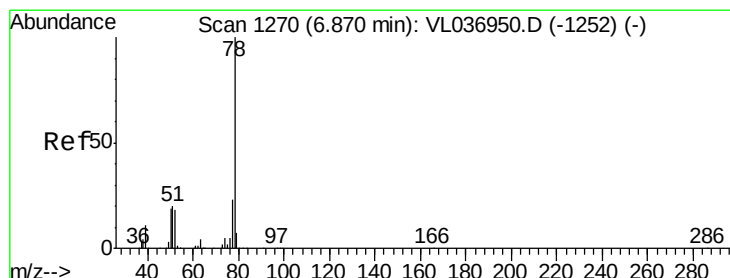
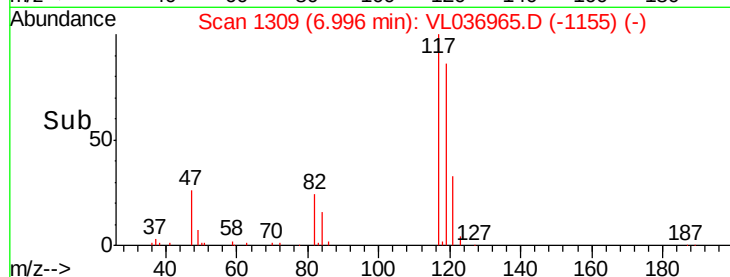
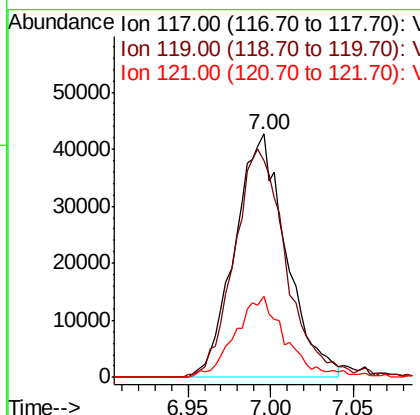
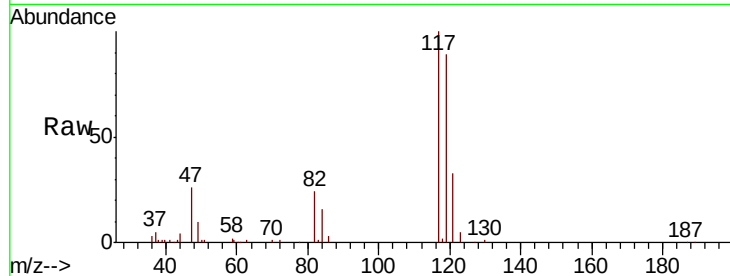




#35
 Carbon Tetrachloride
 Concen: 0.377 ppbv
 RT: 7.00 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

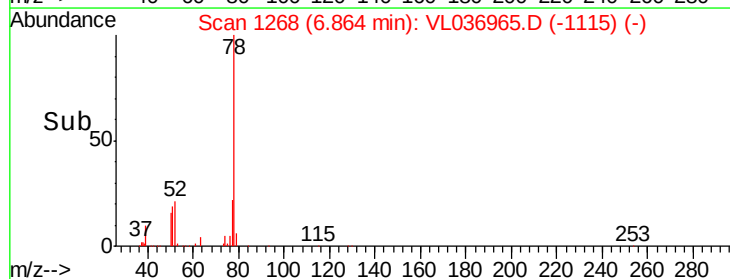
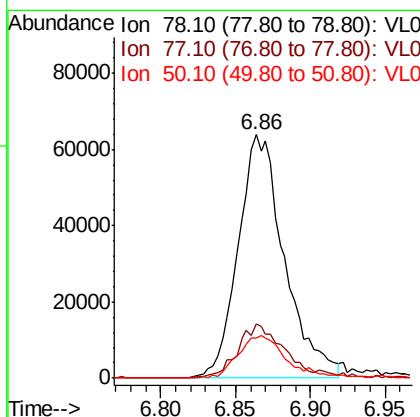
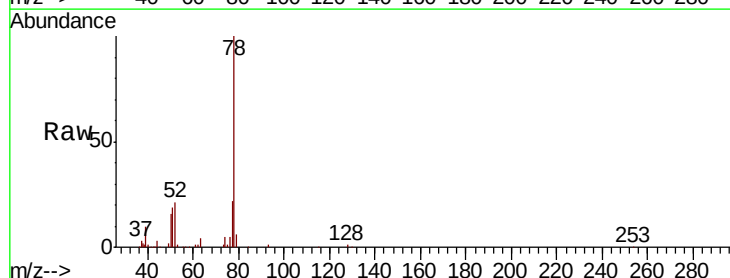
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

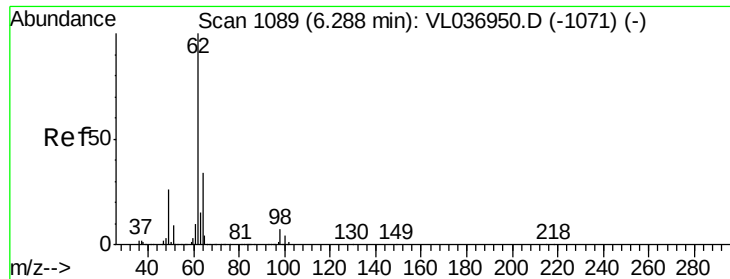
Tot Ion:117 Resp: 91889
 Ion Ratio Lower Upper
 117 100
 119 88.0 76.6 114.8
 121 33.4 25.8 38.6



#36
 Benzene
 Concen: 0.434 ppbv
 RT: 6.86 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 78 Resp: 137081
 Ion Ratio Lower Upper
 78 100
 77 22.0 18.6 28.0
 50 16.5 15.0 22.4

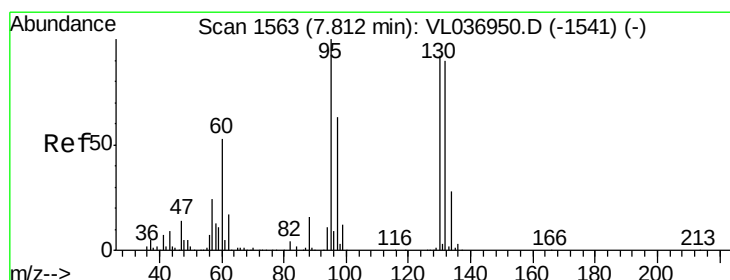
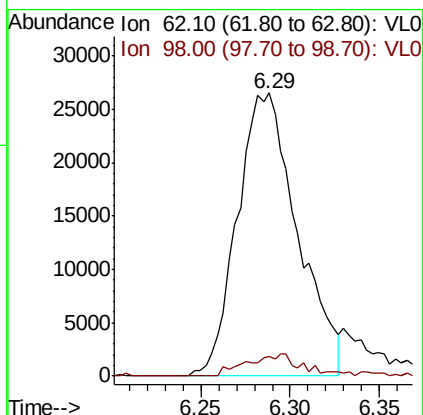
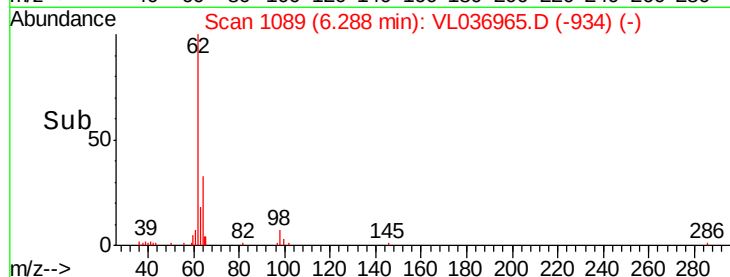
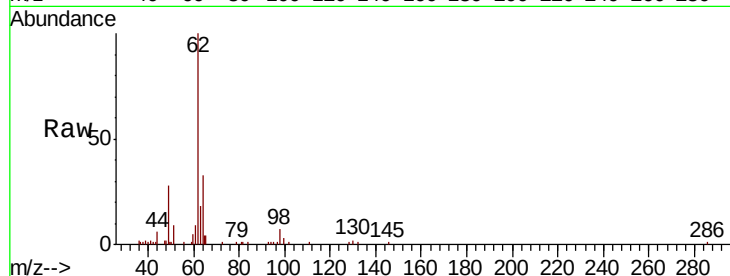




#37
 1,2-Dichloroethane
 Concen: 0.397 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

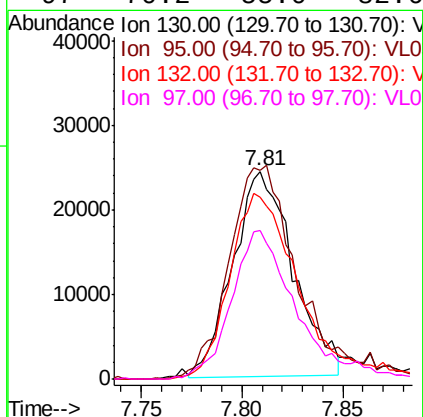
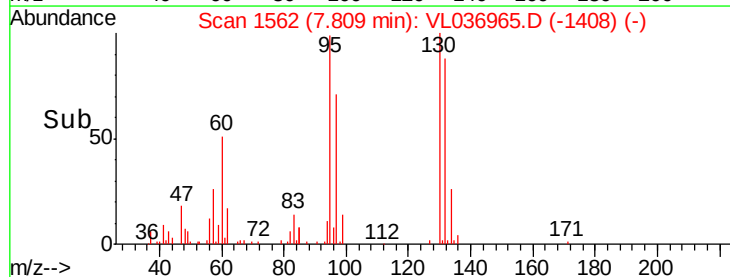
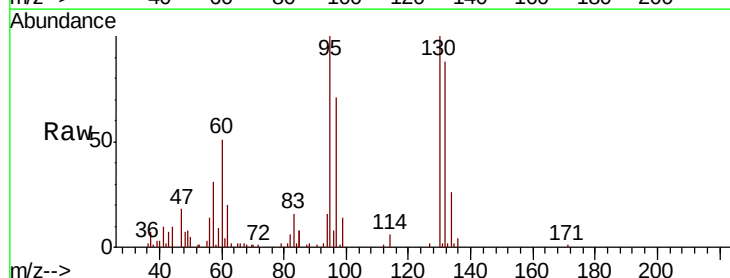
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

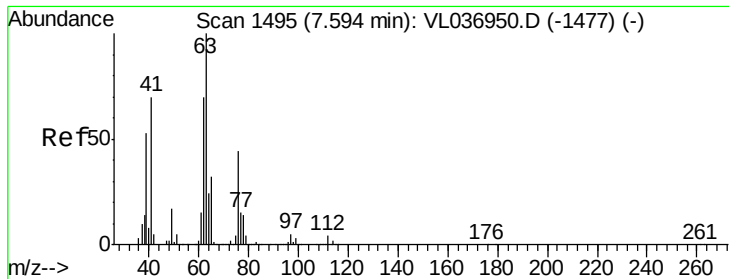
Tot Ion: 62 Resp: 62295
 Ion Ratio Lower Upper
 62 100
 98 7.9 5.5 8.3



#38
 Trichloroethene
 Concen: 0.378 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion:130 Resp: 51081
 Ion Ratio Lower Upper
 130 100
 95 97.6 86.9 130.3
 132 89.5 78.4 117.6
 97 70.2 55.0 82.6

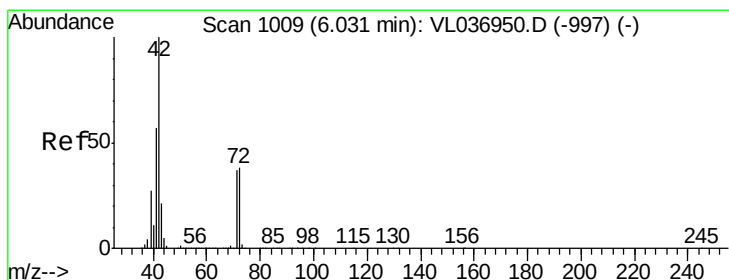
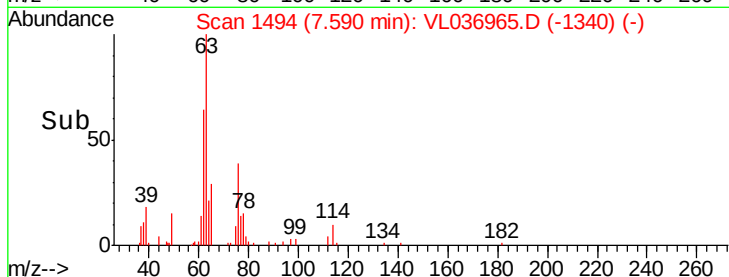
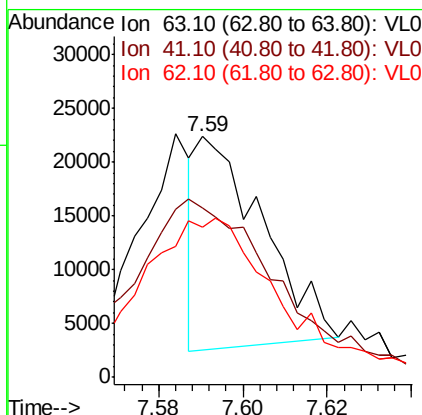
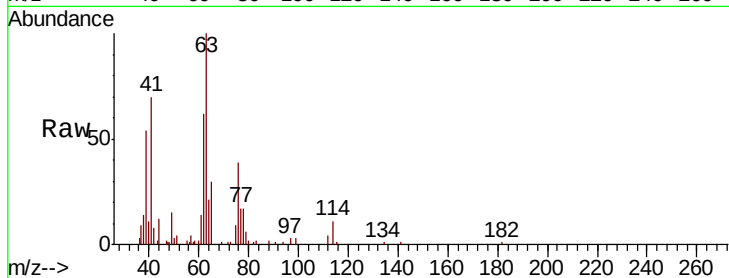




#39
 1,2-Dichloropropane
 Concen: 0.174 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

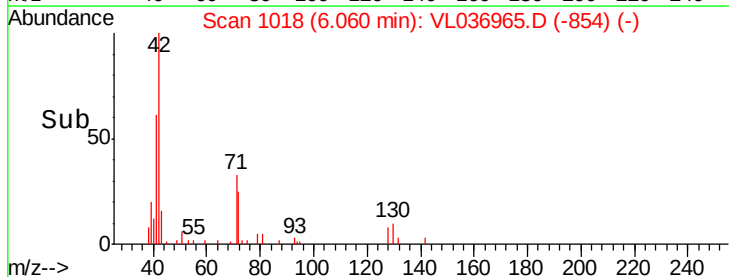
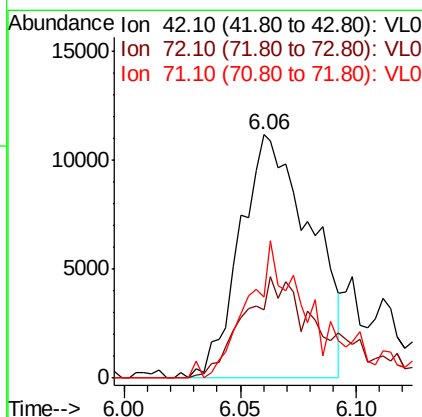
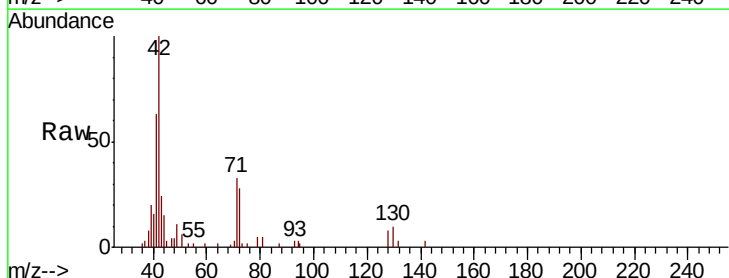
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

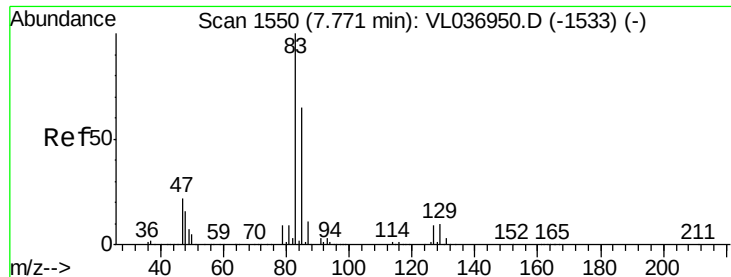
Tot Ion: 63 Resp: 21247
 Ion Ratio Lower Upper
 63 100
 41 70.5 55.7 83.5
 62 63.5 56.2 84.4



#41
 Tetrahydrofuran
 Concen: 0.310 ppbv
 RT: 6.06 min Scan# 1018
 Delta R.T. 0.03 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 42 Resp: 23589
 Ion Ratio Lower Upper
 42 100
 72 51.3 31.4 47.2#
 71 60.2 30.4 45.6#





#42

Bromodichloromethane

Concen: 0.369 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

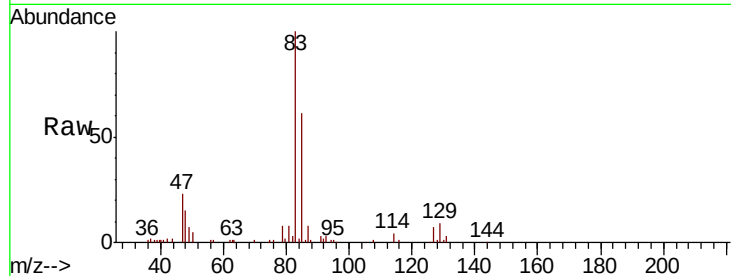
Tot Ion: 83 Resp: 87566

Ion Ratio Lower Upper

83 100

85 60.6 51.7 77.5

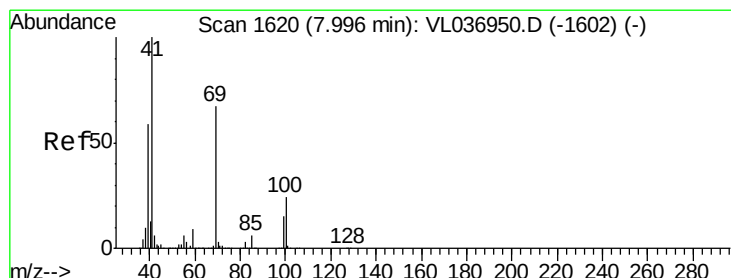
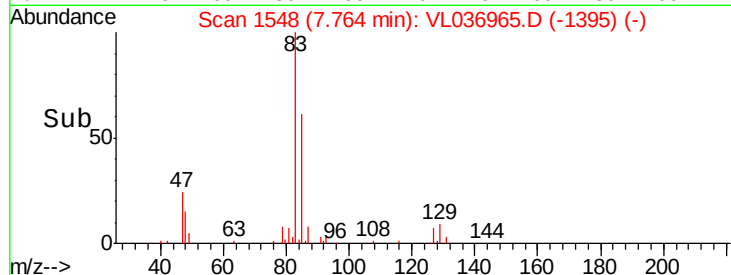
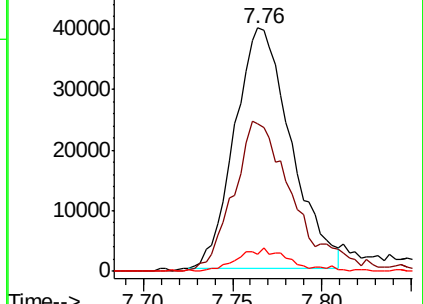
127 6.8 6.9 10.3#



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): VL0



#43

Methyl Methacrylate

Concen: 0.360 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

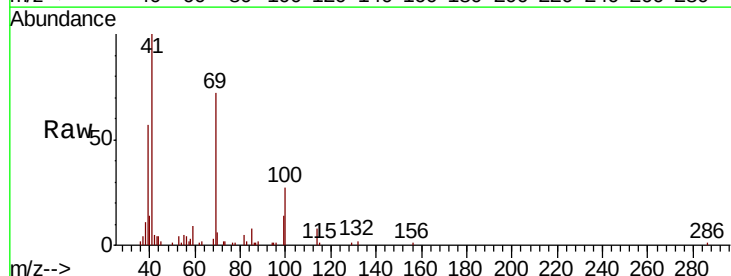
Tgt Ion: 69 Resp: 39194

Ion Ratio Lower Upper

69 100

41 148.5 118.6 178.0

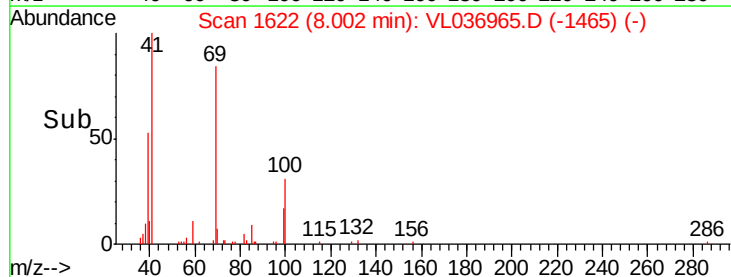
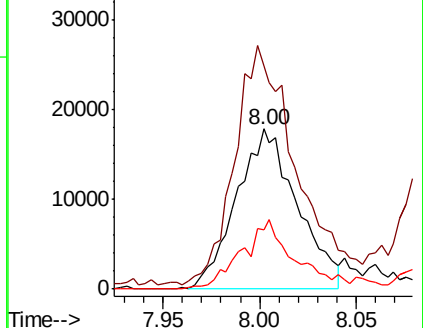
100 37.9 28.2 42.4

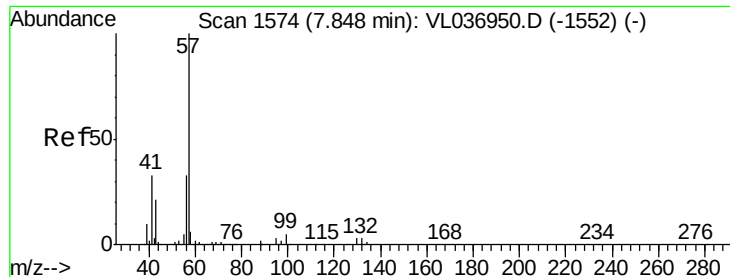


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

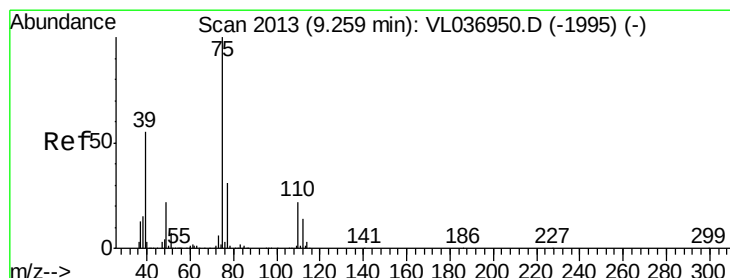
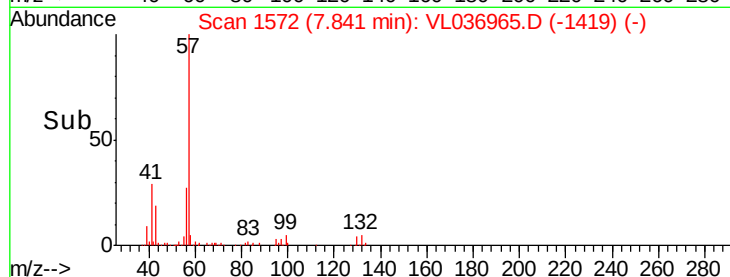
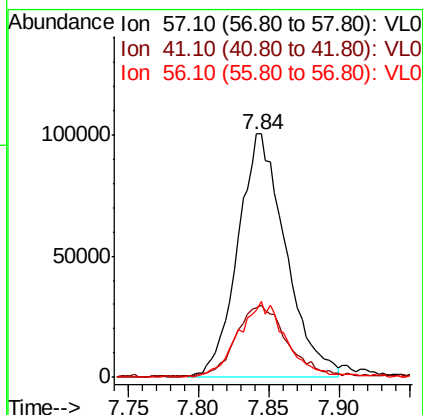
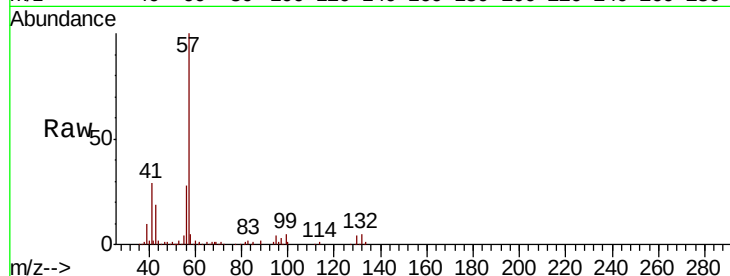




#44
2,2,4-Trimethylpentane
Concen: 0.435 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

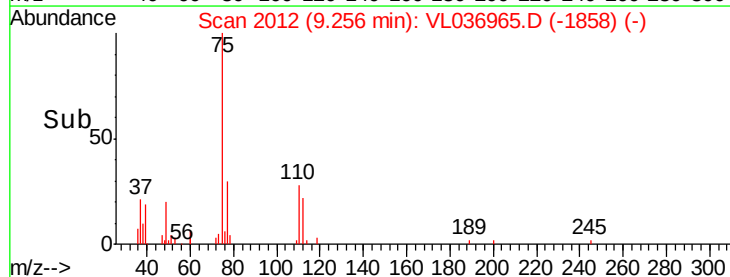
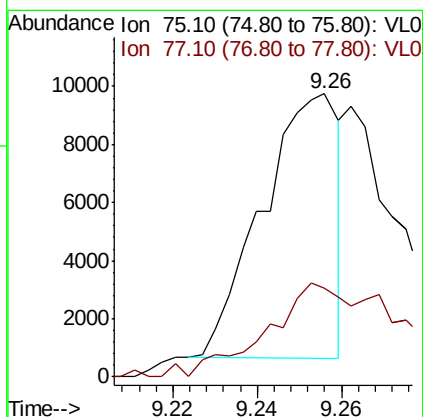
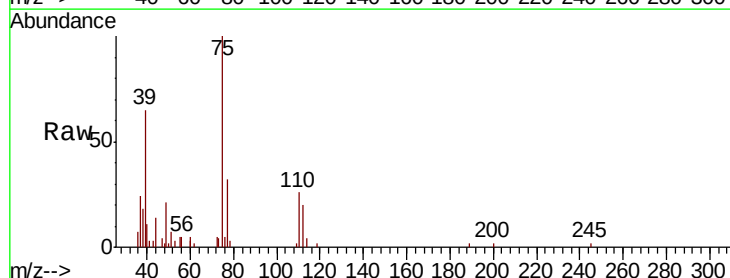
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

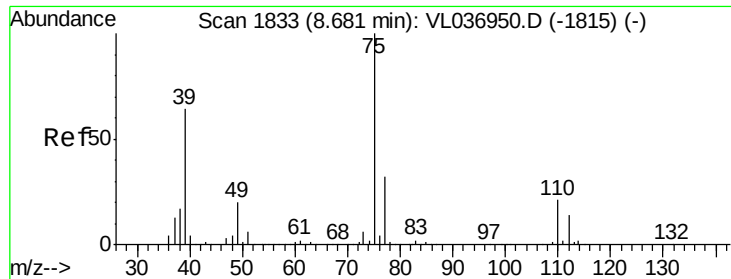
Tot Ion	57	Resp	235924
Ion	Ratio	Lower	Upper
57	100		
41	32.9	27.0	40.4
56	32.6	25.4	38.2



#45
t-1,3-Dichloropropene
Concen: 0.138 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion	75	Resp	11488
Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.4	36.6

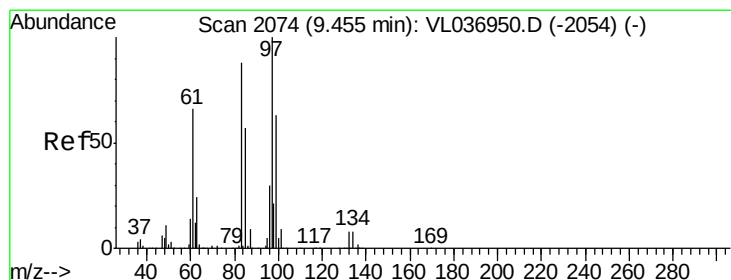
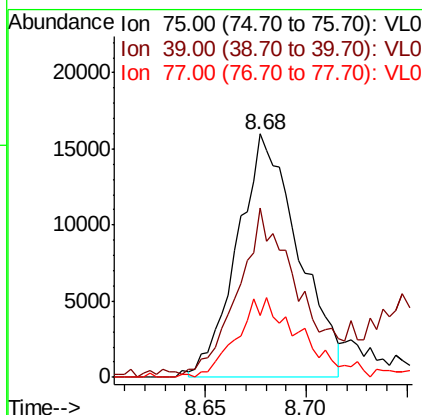
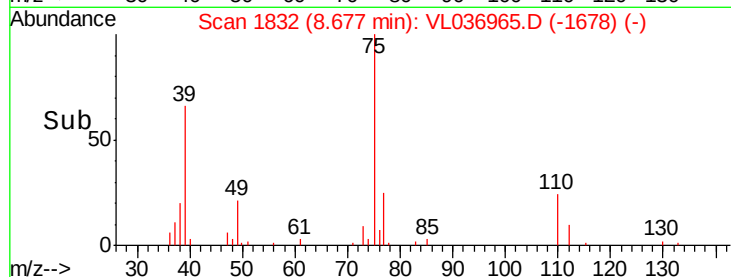
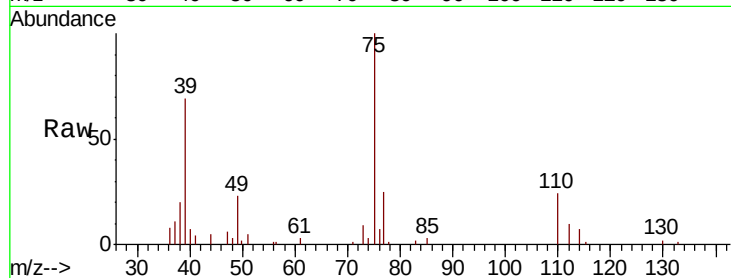




#46
 cis-1,3-Dichloropropene
 Concen: 0.302 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

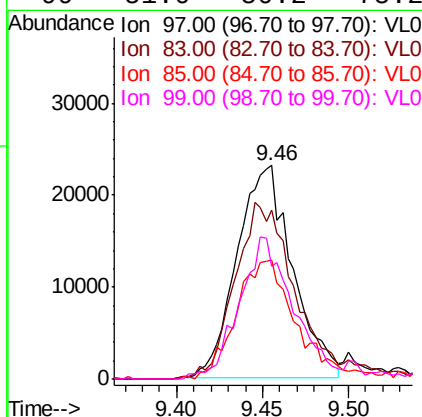
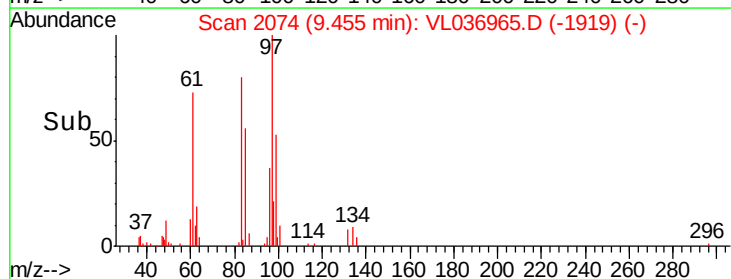
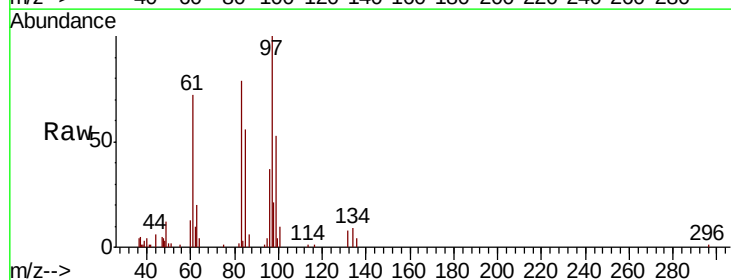
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

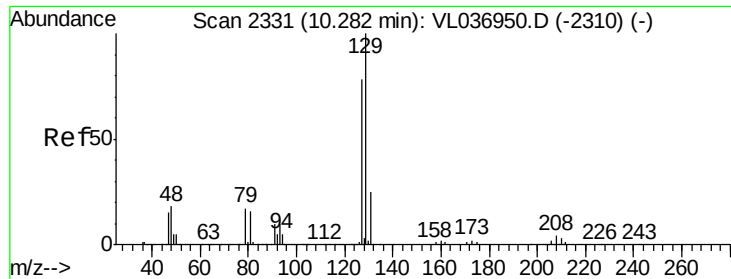
Tot Ion	Ratio	Lower	Upper
75	100		
39	67.7	51.5	77.3
77	26.3	25.9	38.9



#47
 1,1,2-Trichloroethane
 Concen: 0.406 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.5	70.4	105.6
85	55.1	45.5	68.3
99	51.0	50.2	75.2

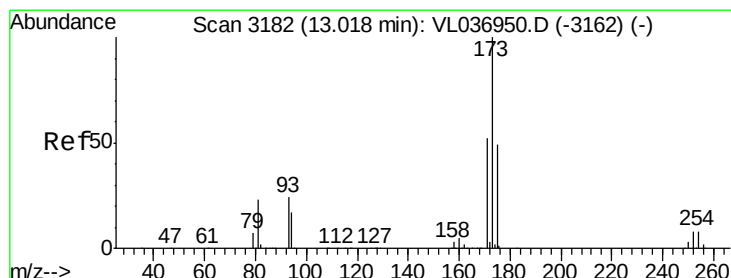
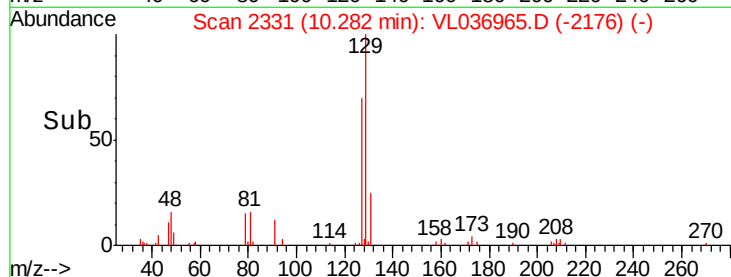
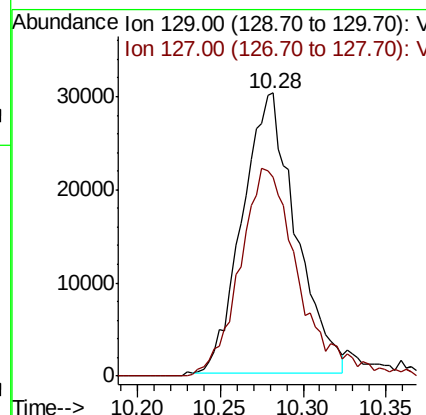
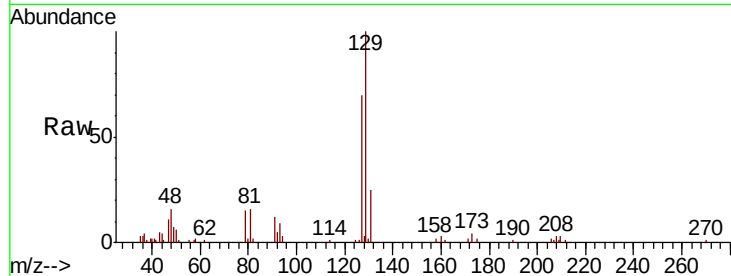




#48
 Dibromochloromethane
 Concen: 0.327 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

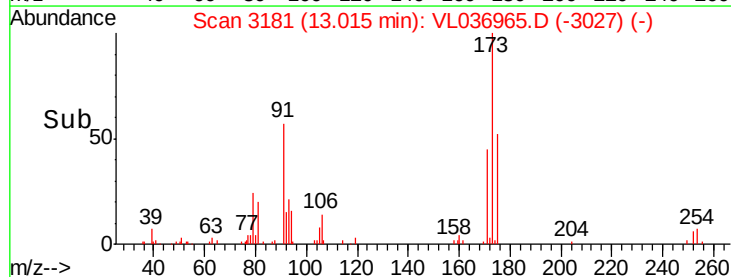
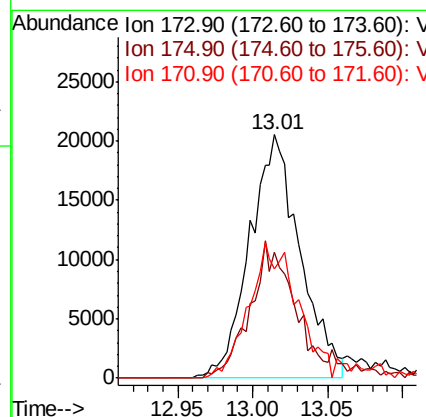
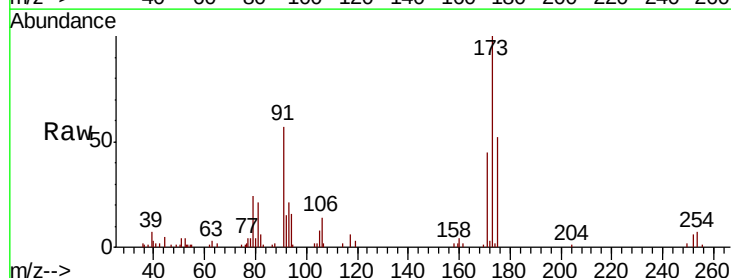
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

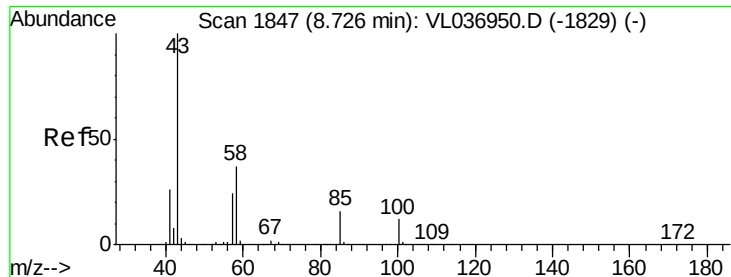
Tot Ion:129 Resp: 67478
 Ion Ratio Lower Upper
 129 100
 127 81.0 39.3 117.8



#49
 Bromoform
 Concen: 0.281 ppbv
 RT: 13.01 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion:173 Resp: 47979
 Ion Ratio Lower Upper
 173 100
 175 55.2 40.4 60.6
 171 58.2 42.6 64.0





#50

4-Methyl-2-Pentanone

Concen: 0.336 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.03 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

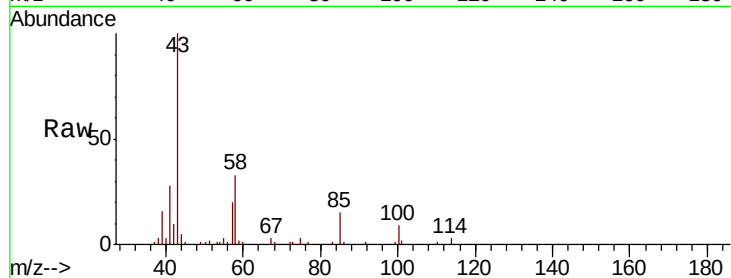
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 43 Resp: 74120

Ion Ratio Lower Upper

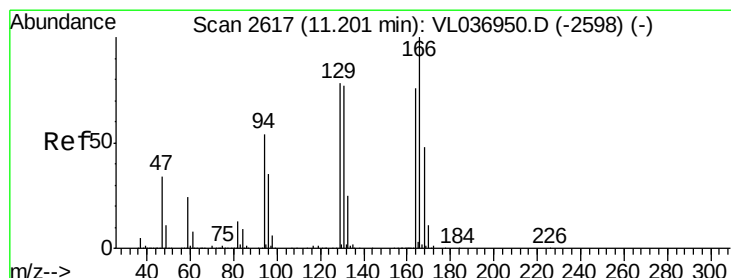
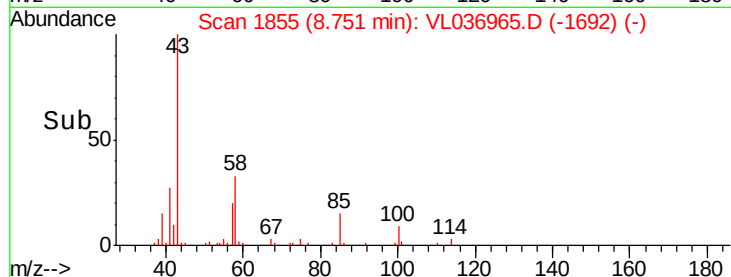
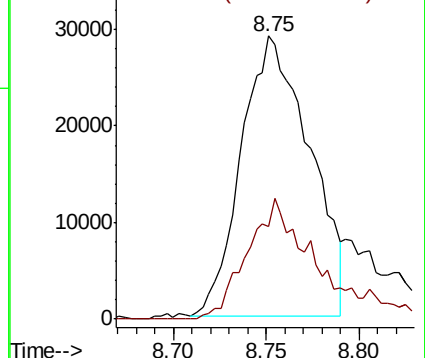
43 100

58 46.2 29.4 44.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#52

Tetrachloroethene

Concen: 0.439 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:164 Resp: 55164

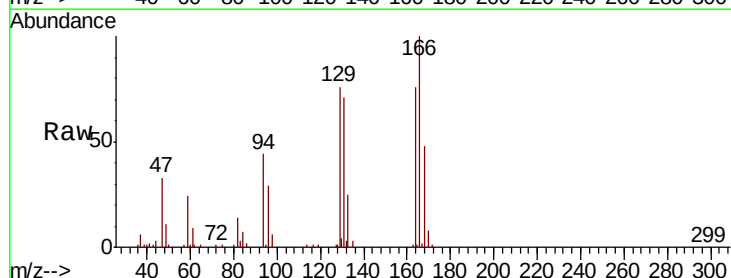
Ion Ratio Lower Upper

164 100

166 130.5 105.5 158.3

129 99.7 81.8 122.8

131 93.6 81.2 121.8

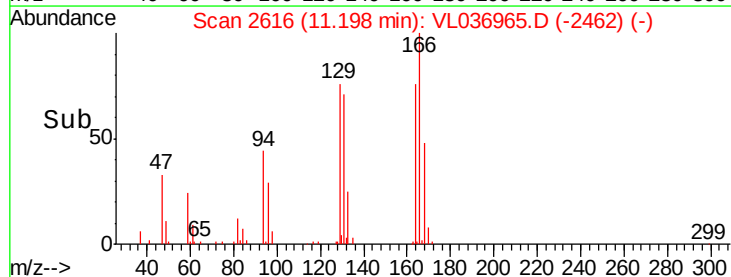
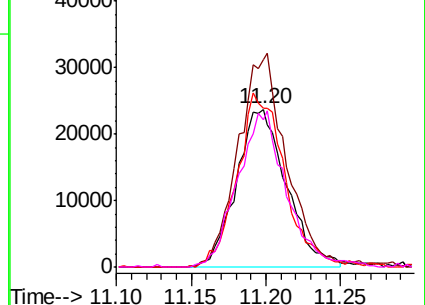


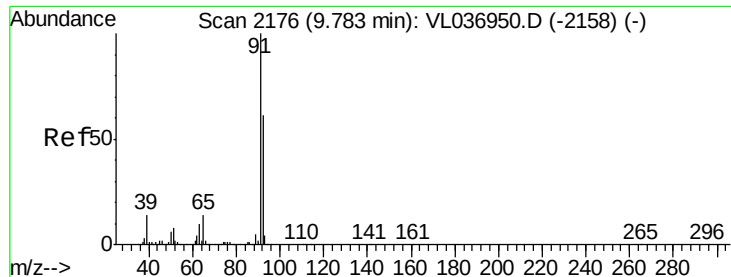
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.427 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

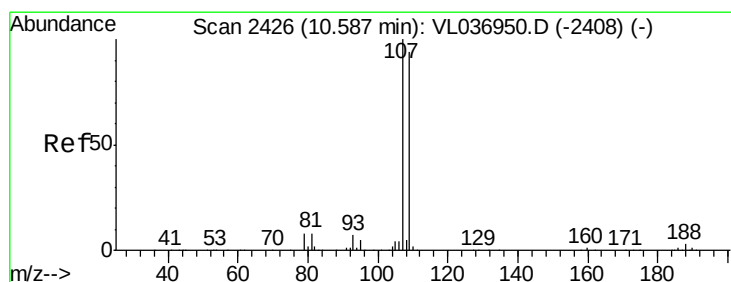
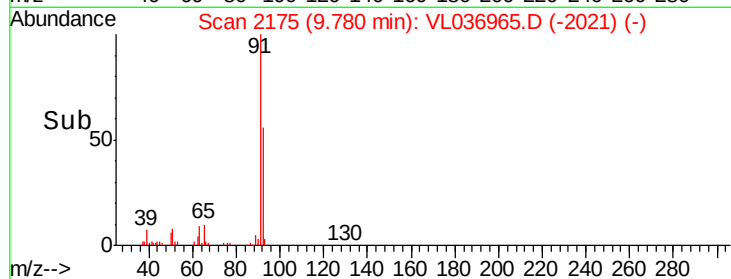
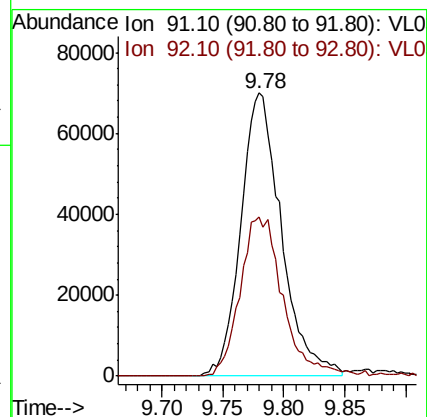
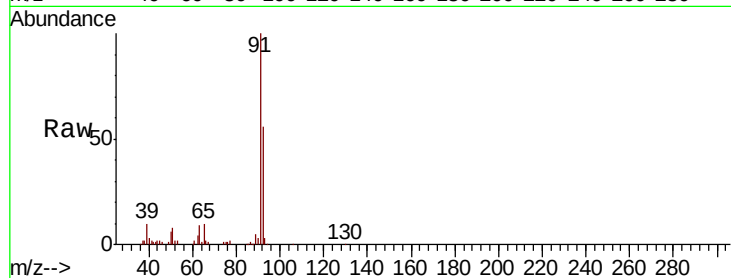
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 91 Resp: 160503

Ion Ratio Lower Upper

91 100

92 60.0 49.5 74.3



#54

1,2-Dibromoethane

Concen: 0.179 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036965.D

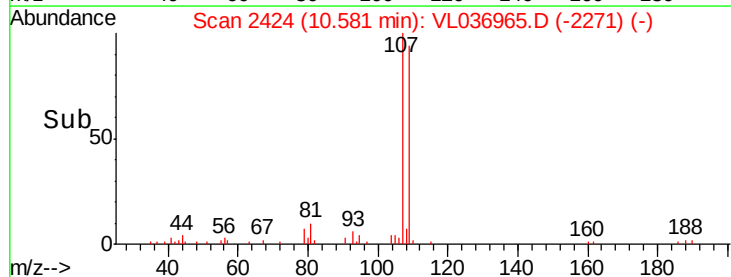
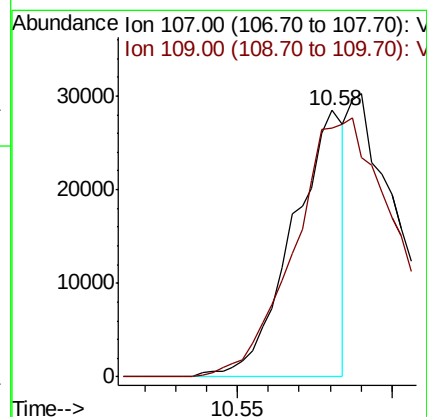
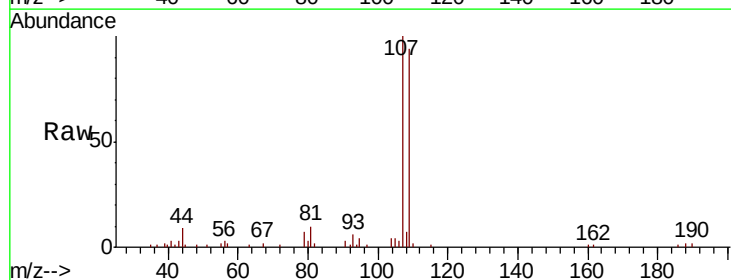
Acq: 18 May 2021 12:38

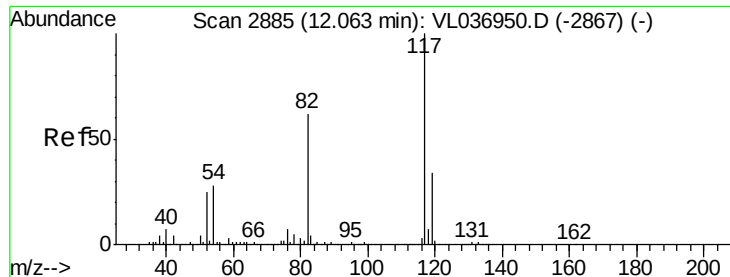
Tgt Ion: 107 Resp: 32517

Ion Ratio Lower Upper

107 100

109 93.5 75.0 112.4

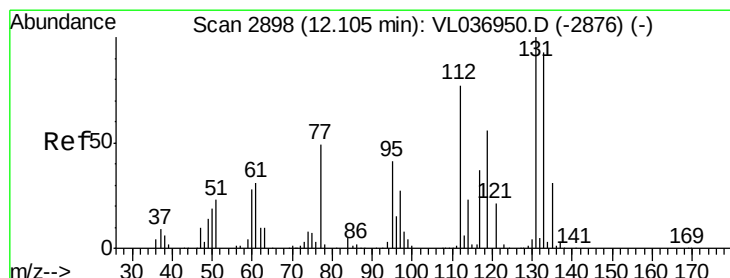
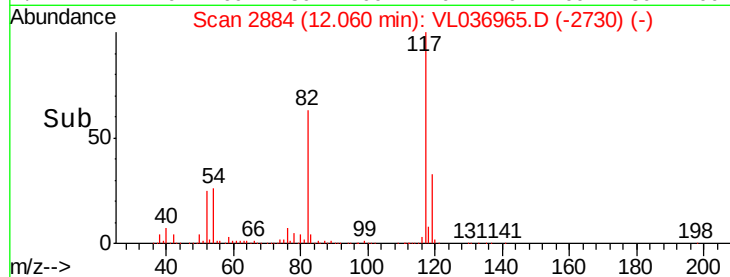
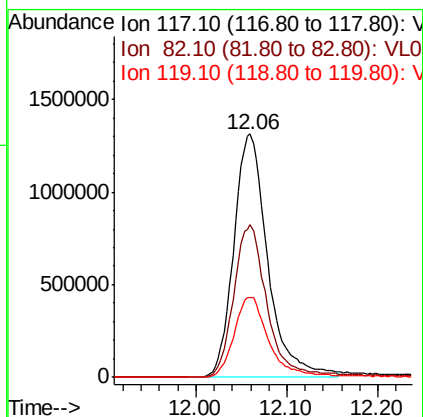
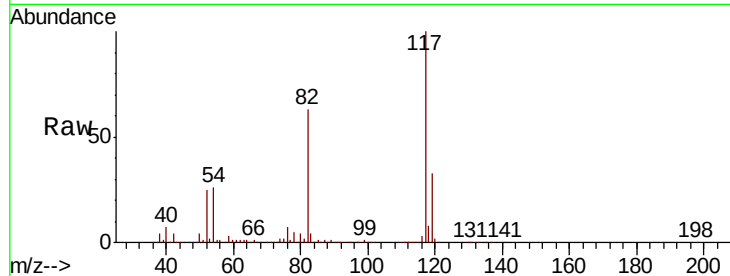




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

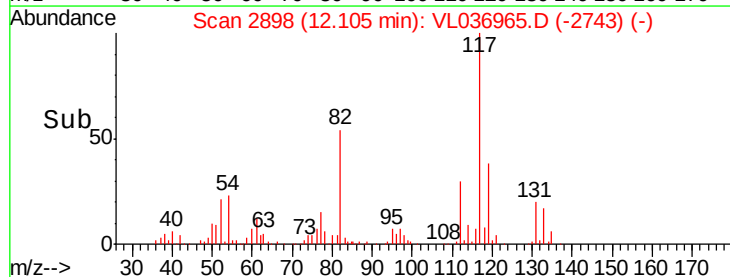
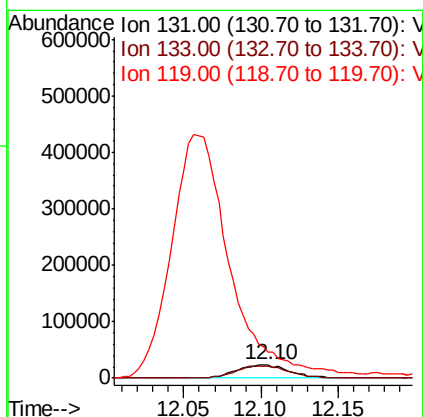
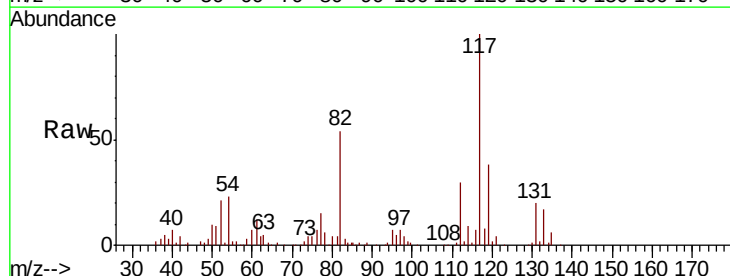
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

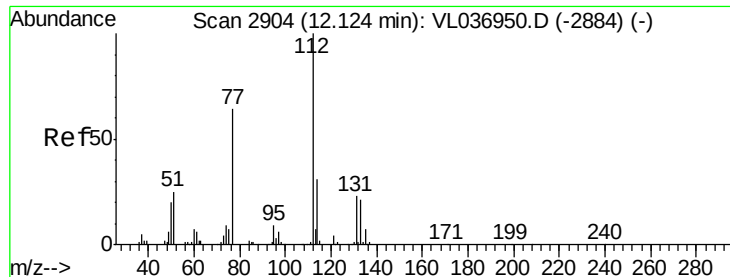
Tot Ion:117 Resp: 3413730
Ion Ratio Lower Upper
117 100
82 63.2 52.6 79.0
119 34.7 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.389 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion:131 Resp: 55946
Ion Ratio Lower Upper
131 100
133 96.2 76.9 115.3
119 2131.6 120.2 180.4#





#57

Chlorobenzene

Concen: 0.440 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

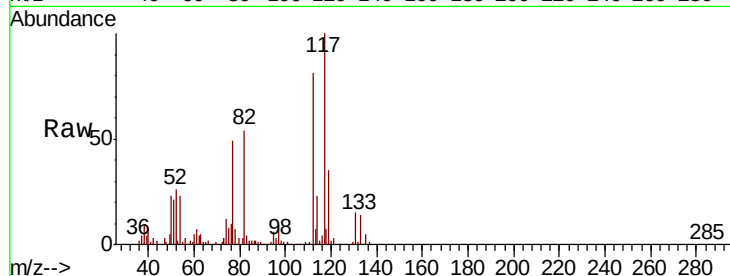
Tot Ion:112 Resp: 116404

Ion Ratio Lower Upper

112 100

77 57.3 51.0 76.6

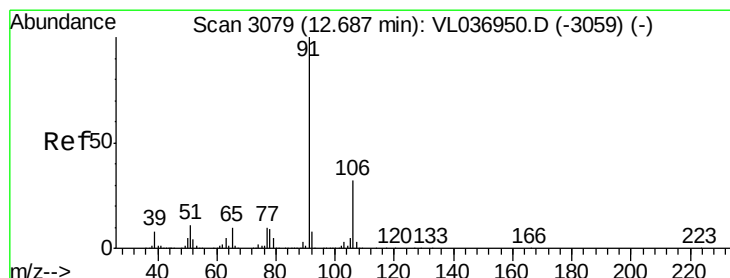
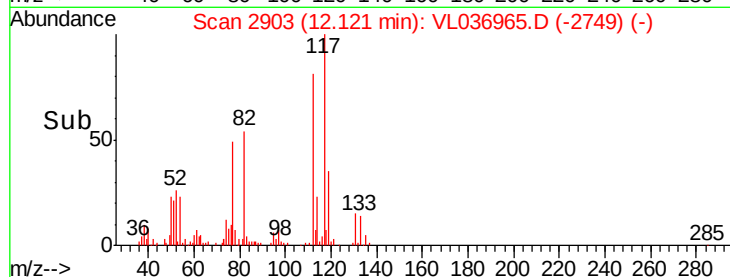
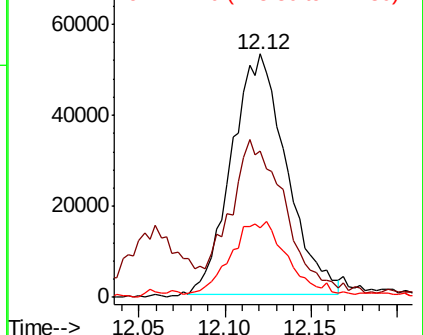
114 27.4 28.3 34.5#



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: 0.433 ppbv

RT: 12.68 min Scan# 3077

Delta R.T. -0.01 min

Lab File: VL036965.D

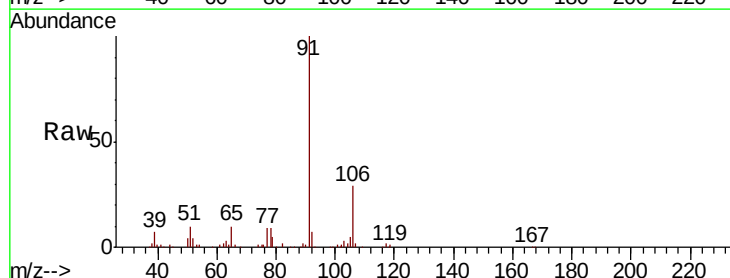
Acq: 18 May 2021 12:38

Tgt Ion: 91 Resp: 208391

Ion Ratio Lower Upper

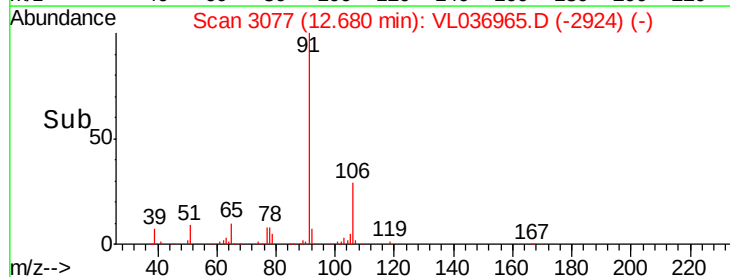
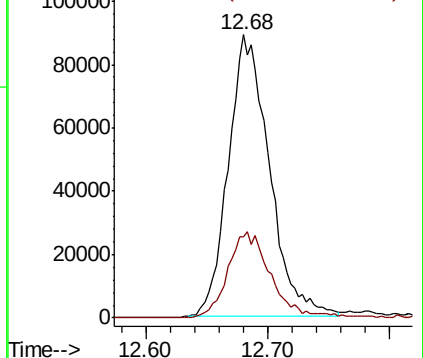
91 100

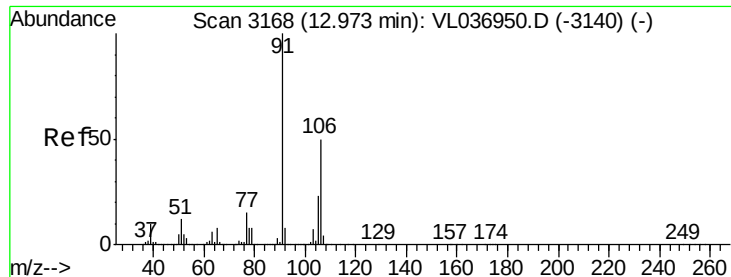
106 28.9 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.313 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

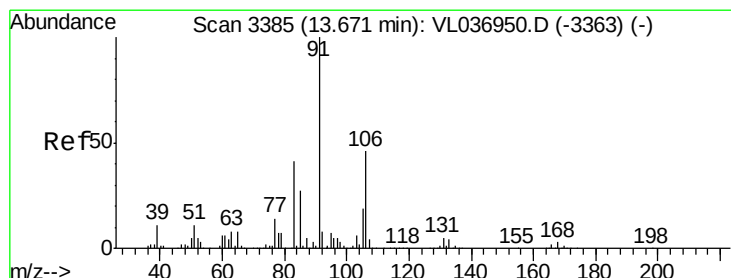
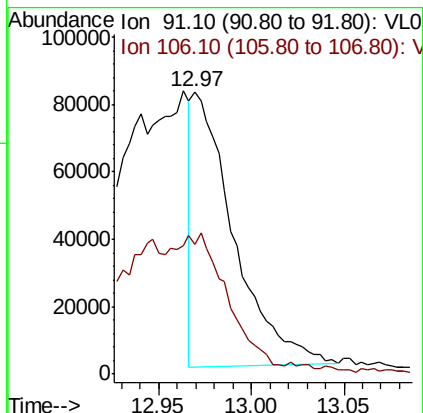
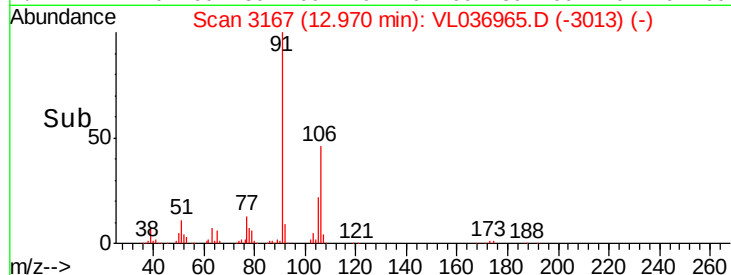
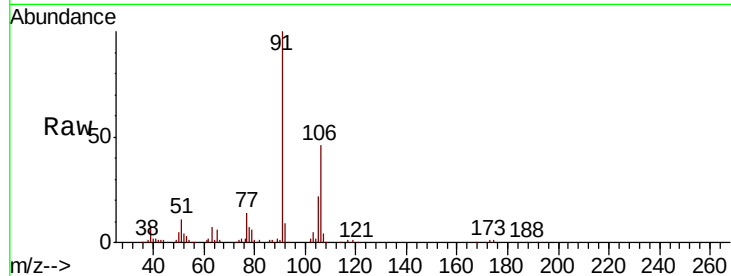
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 91 Resp: 124650

Ion Ratio Lower Upper

91 100

106 130.3 37.4 56.2#



#60

o-Xylene

Concen: 0.206 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL036965.D

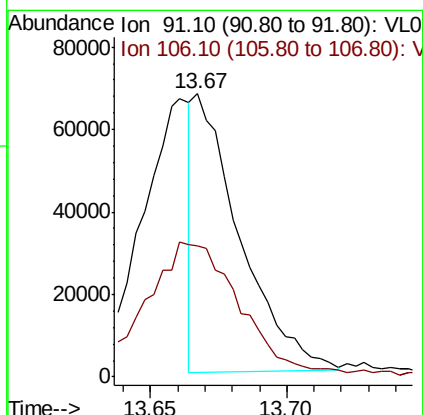
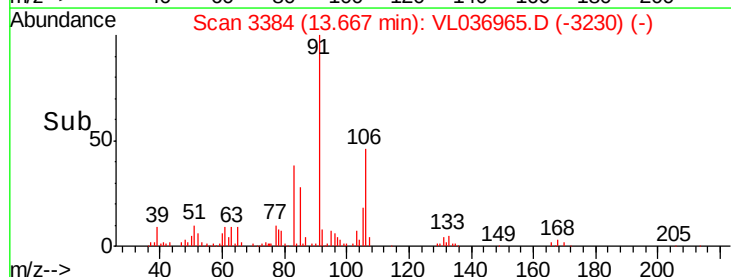
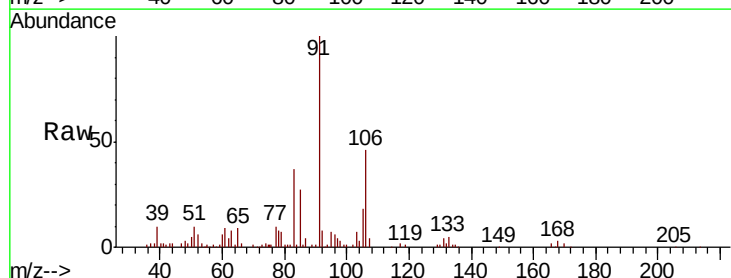
Acq: 18 May 2021 12:38

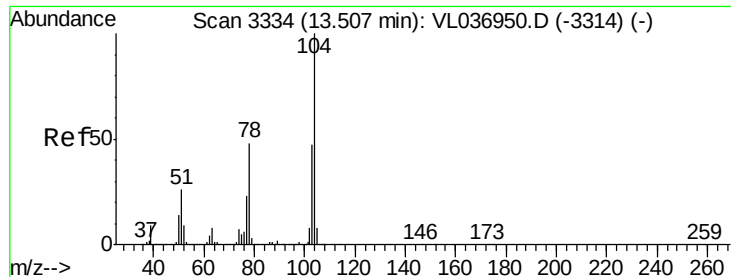
Tgt Ion: 91 Resp: 78205

Ion Ratio Lower Upper

91 100

106 0.0 23.4 70.3#





#61

Stvrene

Concen: 0.360 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

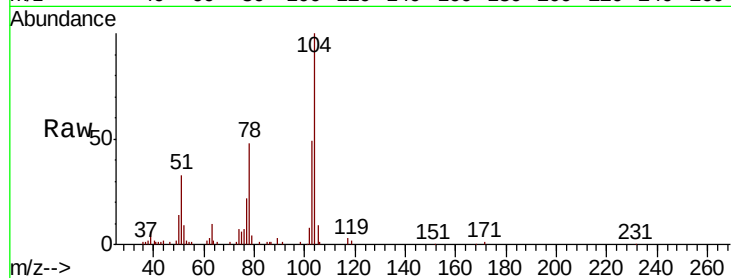
Tot Ion:104 Resp: 76946

Ion Ratio Lower Upper

104 100

78 55.8 39.0 58.6

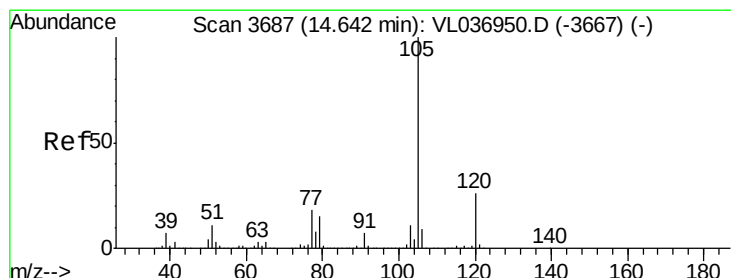
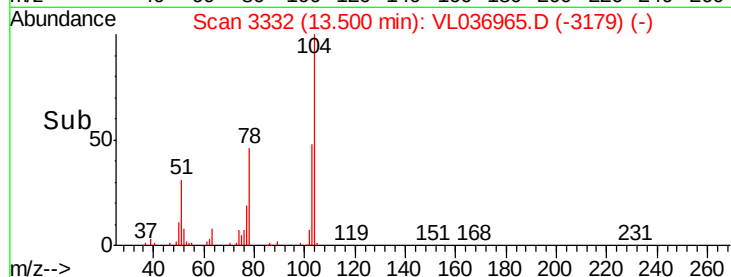
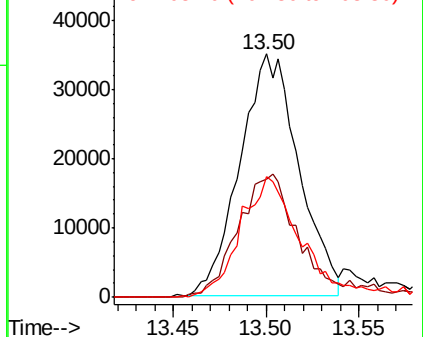
103 53.9 38.0 57.0



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



#62

Isopropylbenzene

Concen: 0.428 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VL036965.D

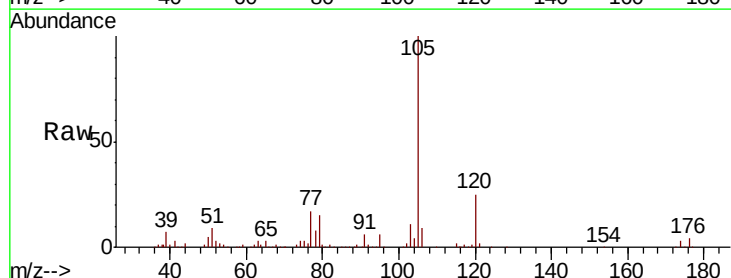
Acq: 18 May 2021 12:38

Tgt Ion:105 Resp: 233866

Ion Ratio Lower Upper

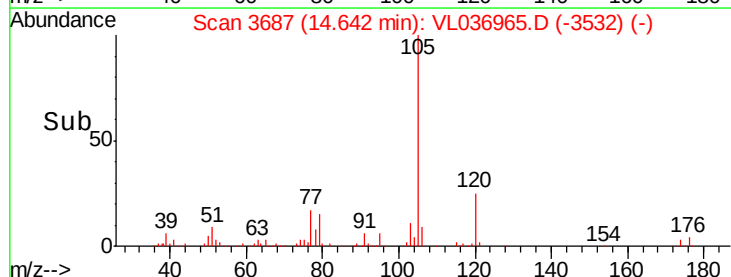
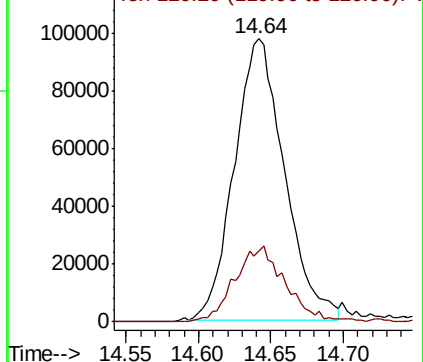
105 100

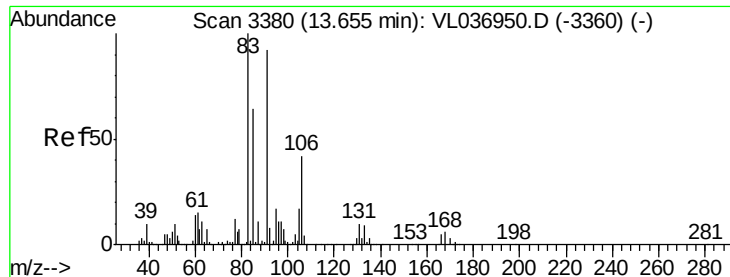
120 27.2 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.167 ppbv

RT: 13.65 min Scan# 3378

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

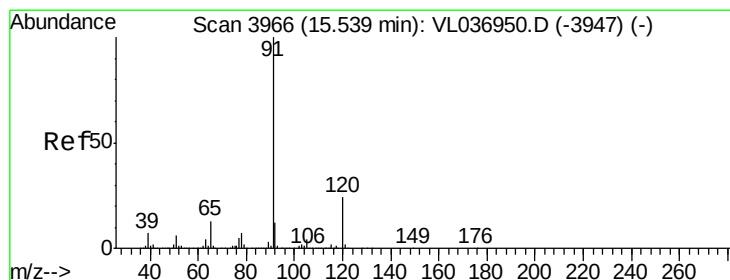
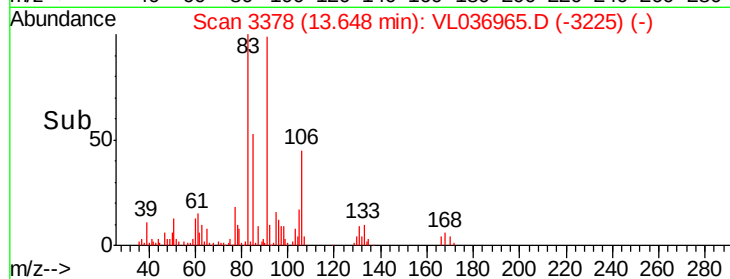
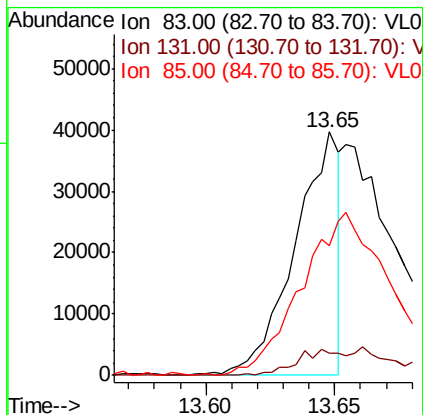
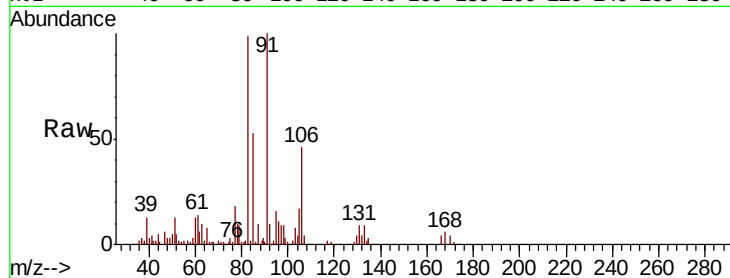
Tot Ion: 83 Resp: 47505

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.9 98.6#



#64

n-propylbenzene

Concen: 0.392 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL036965.D

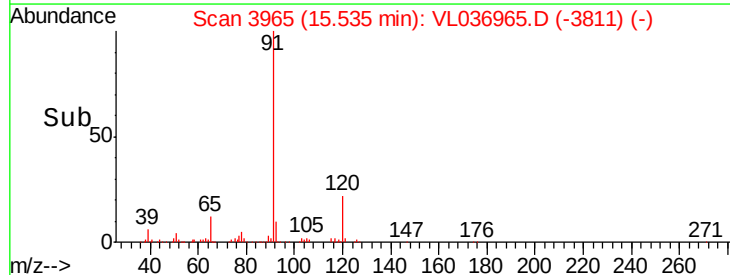
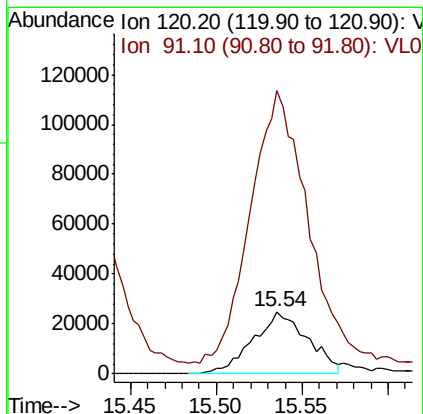
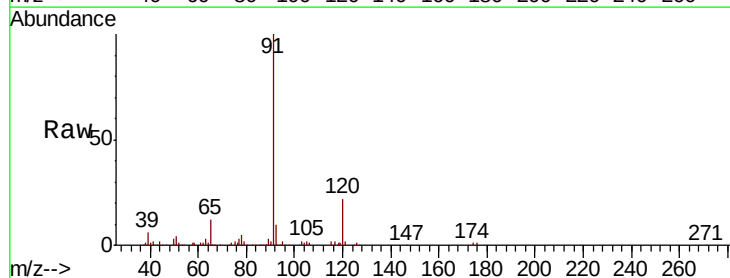
Acq: 18 May 2021 12:38

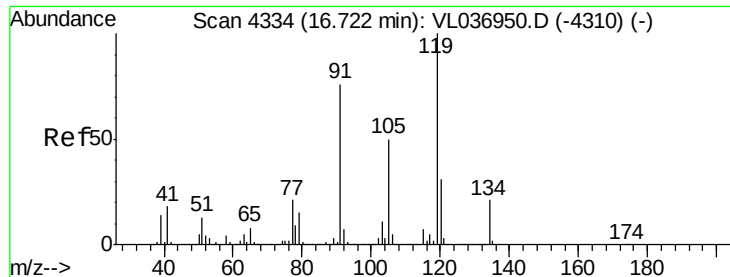
Tgt Ion:120 Resp: 55182

Ion Ratio Lower Upper

120 100

91 536.5 343.8 515.6#

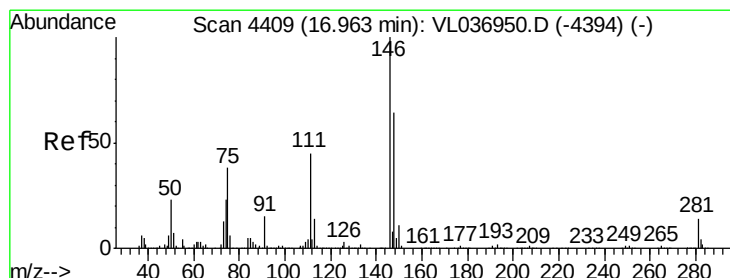
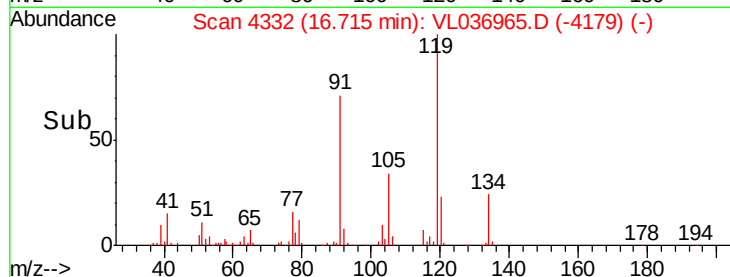
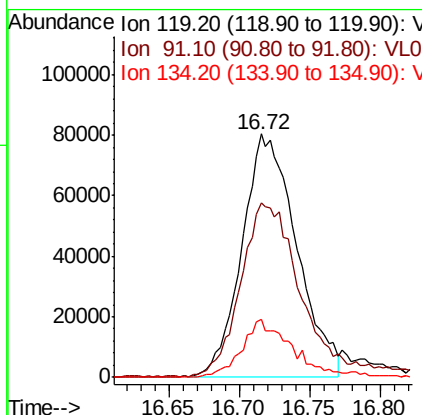
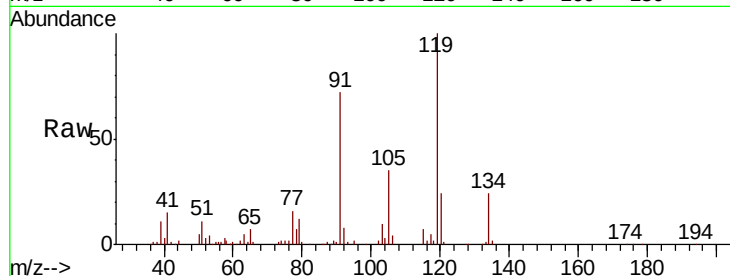




#65
tert-Butylbenzene
Concen: 0.439 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.01 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

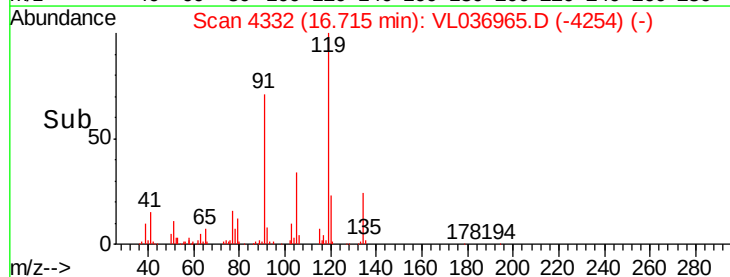
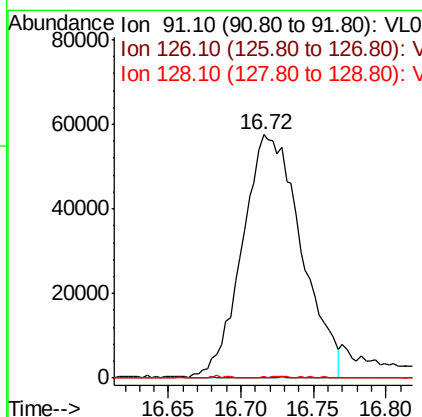
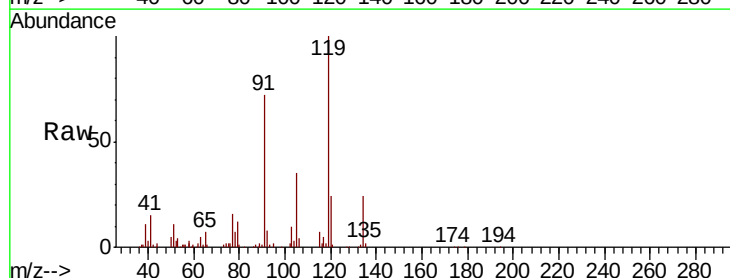
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

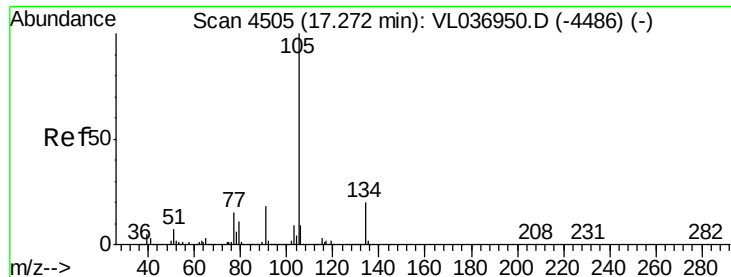
Tot Ion:119 Resp: 216044
Ion Ratio Lower Upper
119 100
91 81.8 61.9 92.9
134 22.5 16.2 24.4



#66
Benzyl Chloride
Concen: 5.954 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.25 min
Lab File: VL036965.D
Acq: 18 May 2021 12:38

Tgt Ion: 91 Resp: 162737
Ion Ratio Lower Upper
91 100
126 0.1 16.5 24.7#
128 0.3 5.5 8.3#





#67

sec-Butylbenzene

Concen: 0.417 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

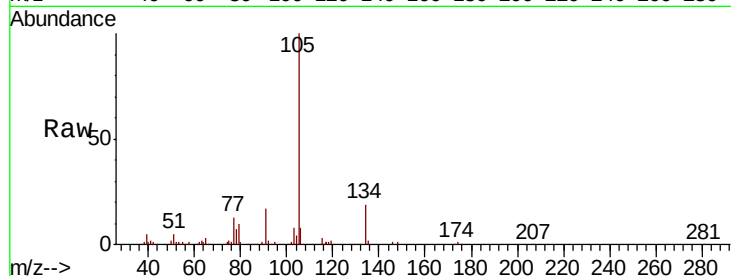
LOD-MDL-AIR-01-QT2-2021

Tot Ion:105 Resp: 280136

Ion Ratio Lower Upper

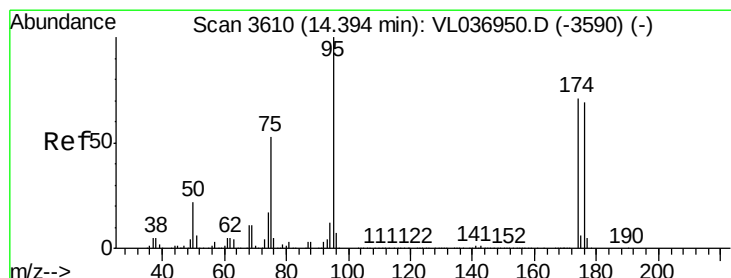
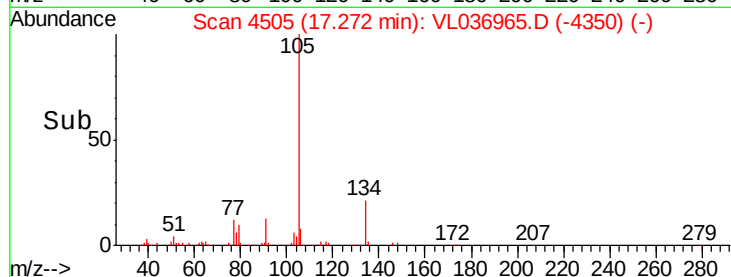
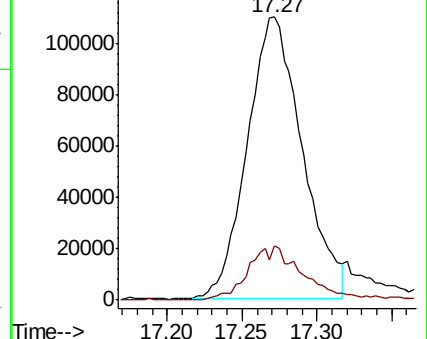
105 100

134 19.3 15.6 23.4



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: 10.004 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

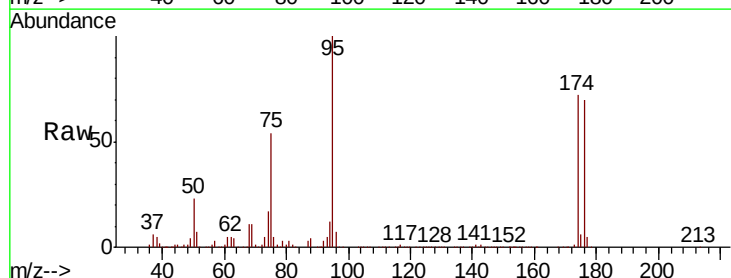
Tgt Ion: 95 Resp: 2565500

Ion Ratio Lower Upper

95 100

174 75.3 58.4 87.6

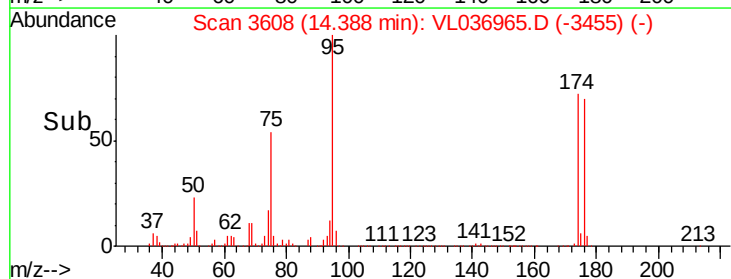
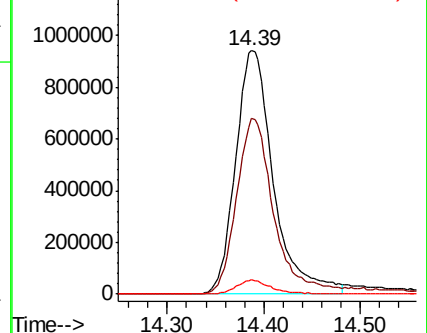
175 5.6 4.4 6.6

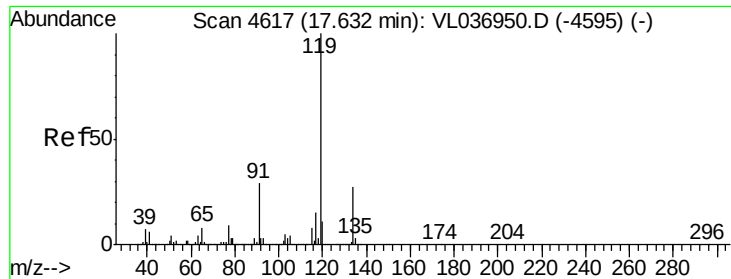


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

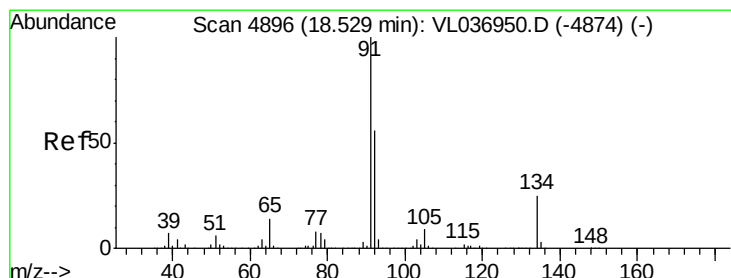
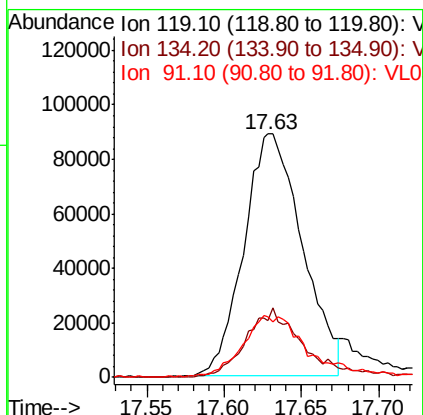
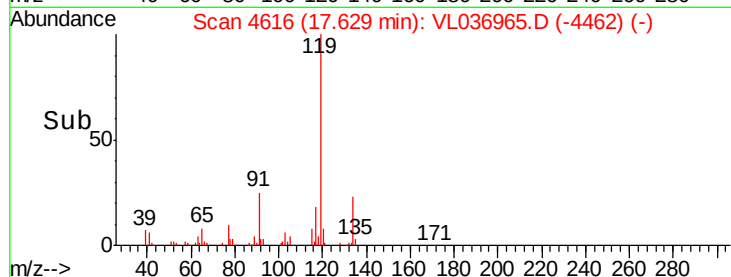
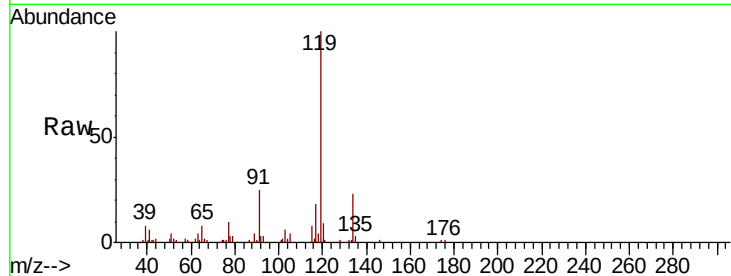




#69
 p-Isopropyltoluene
 Concen: 0.405 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

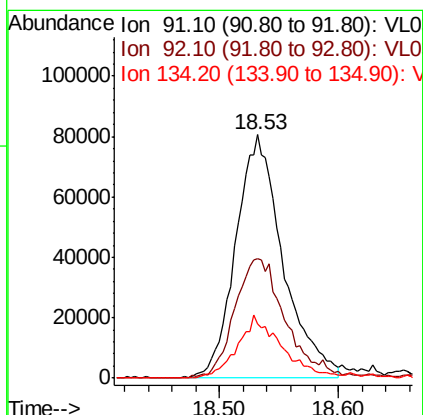
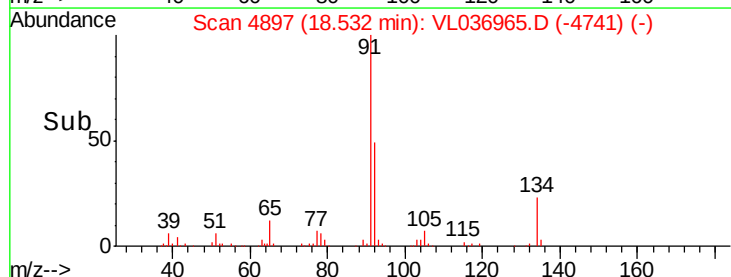
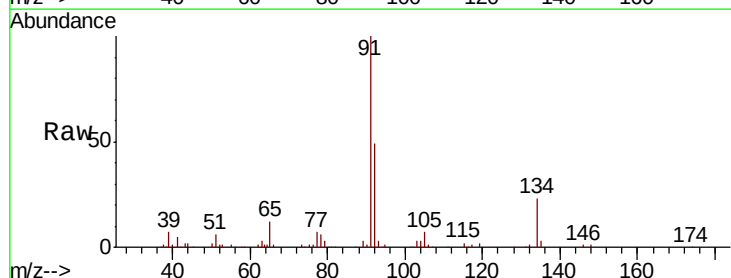
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

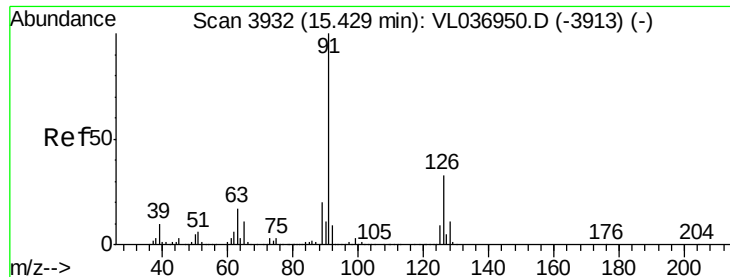
Tot Ion:119	Resp:	234105
Ion Ratio	Lower	Upper
119	100	
134	28.4	21.2 31.8
91	28.6	22.2 33.4



#70
 n-Butylbenzene
 Concen: 0.399 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 91	Resp:	219199
Ion Ratio	Lower	Upper
91	100	
92	53.3	44.6 66.8
134	25.7	20.2 30.2

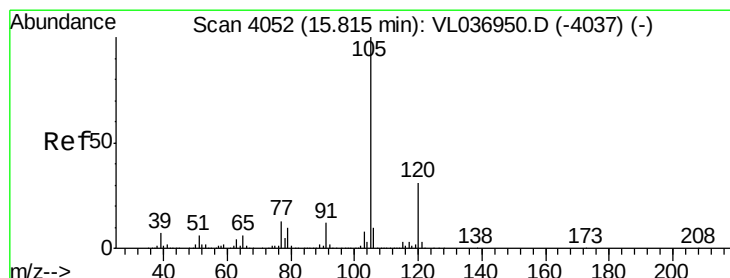
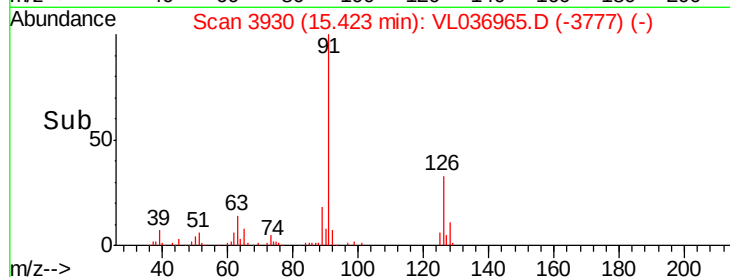
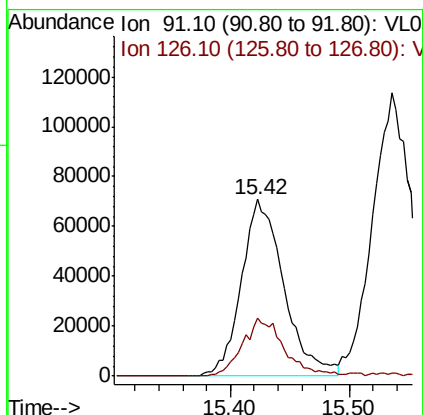
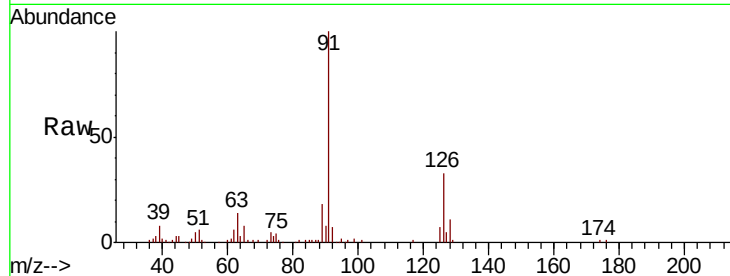




#71
 2-Chlorotoluene
 Concen: 0.442 ppbv
 RT: 15.42 min Scan# 3930
 Delta R.T. -0.01 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

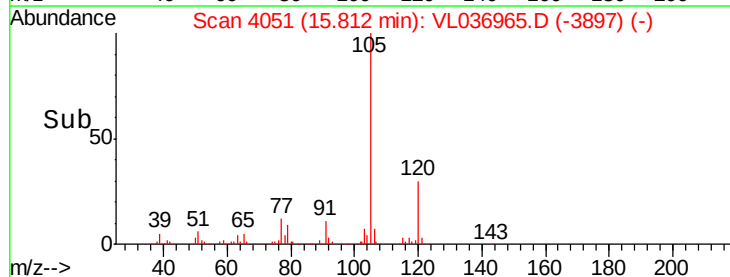
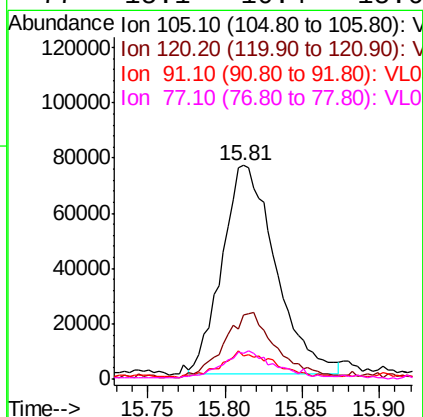
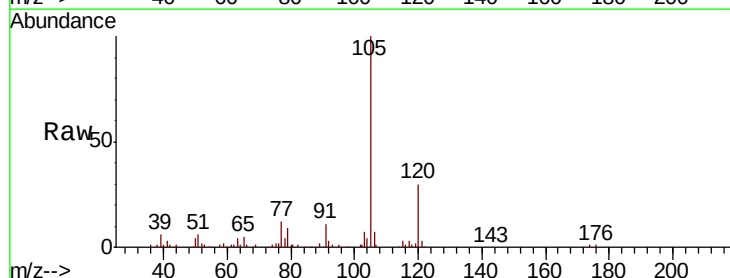
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

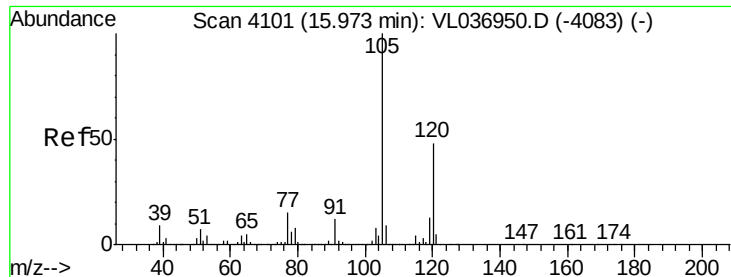
Tot Ion: 91 Resp: 174336
 Ion Ratio Lower Upper
 91 100
 126 32.8 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 0.402 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion: 105 Resp: 181228
 Ion Ratio Lower Upper
 105 100
 120 28.5 24.6 37.0
 91 12.1 9.8 14.6
 77 15.1 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.407 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

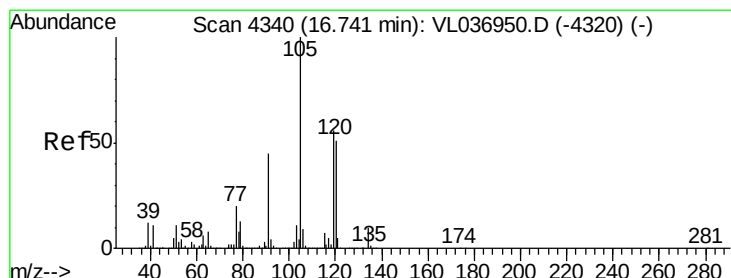
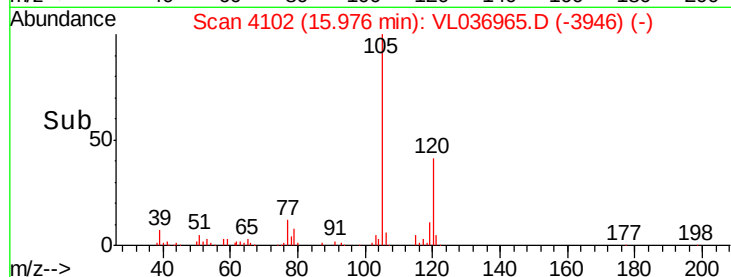
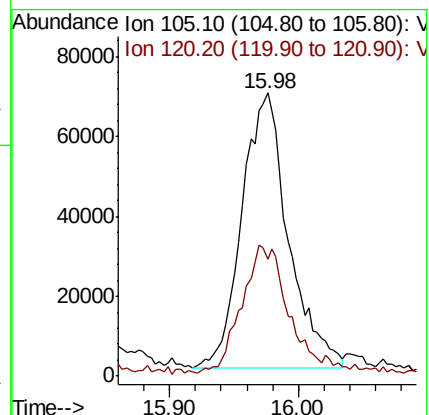
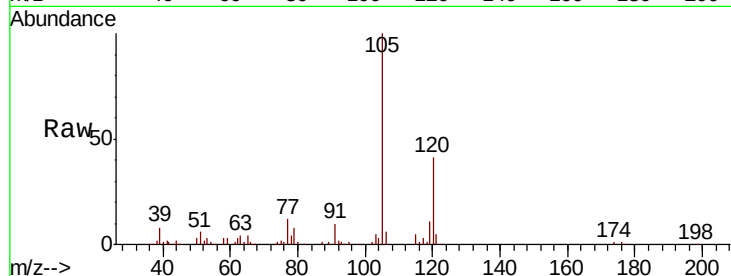
LOD-MDL-AIR-01-QT2-2021

Tot Ion:105 Resp: 172452

Ion Ratio Lower Upper

105 100

120 41.0 38.6 58.0



#74

1,2,4-Trimethylbenzene

Concen: 0.231 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Tgt Ion:105 Resp: 101025

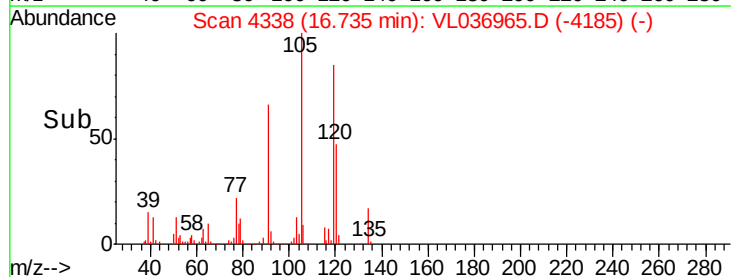
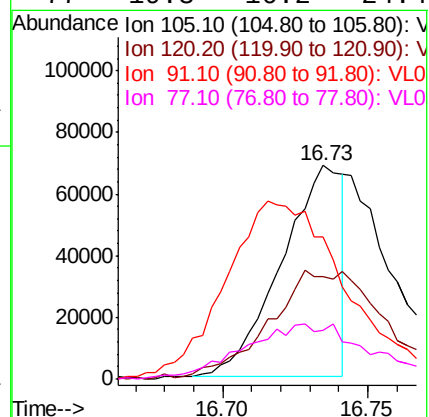
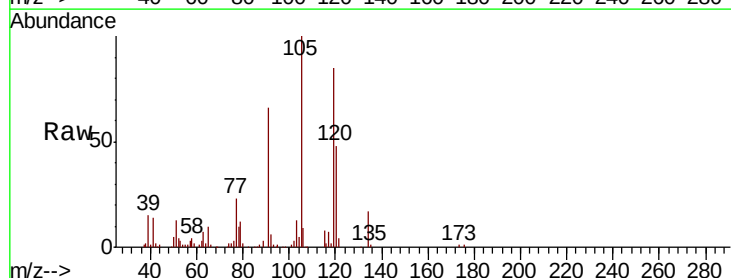
Ion Ratio Lower Upper

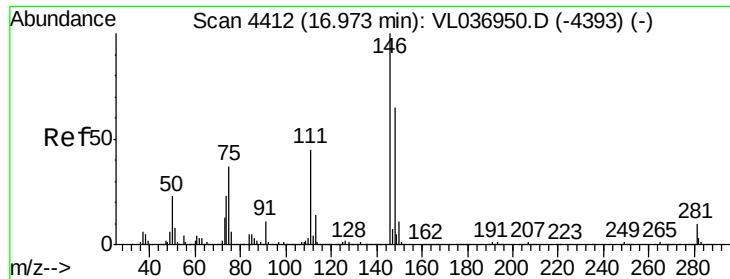
105 100

120 46.3 40.6 61.0

91 47.6 37.4 56.0

77 19.3 16.2 24.4

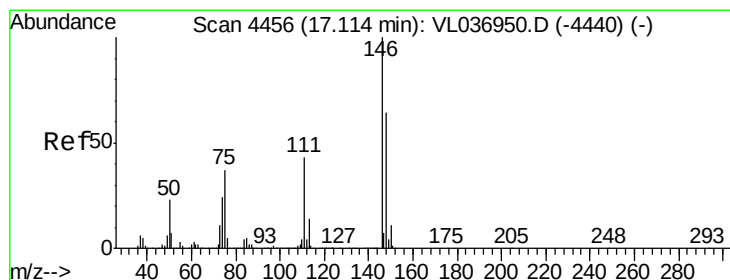
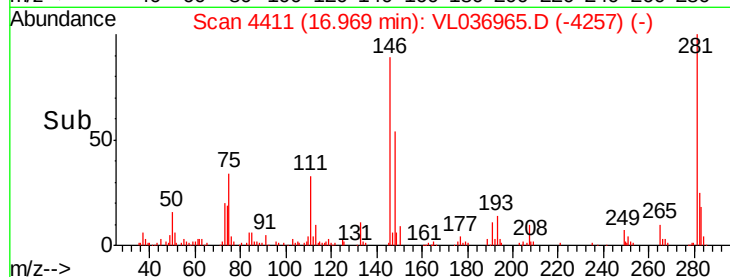
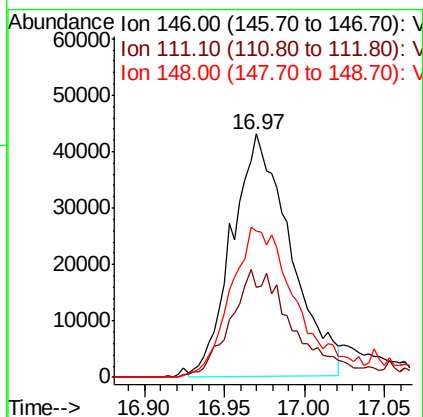
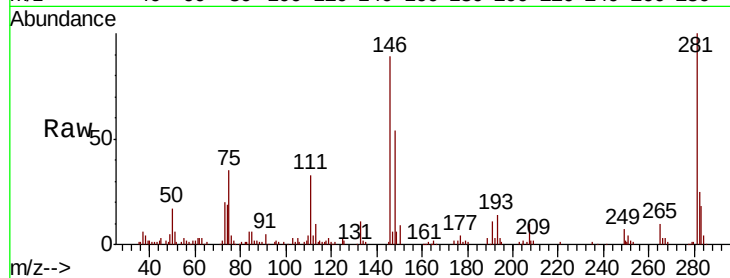




#75
 1,3-Dichlorobenzene
 Concen: 0.405 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

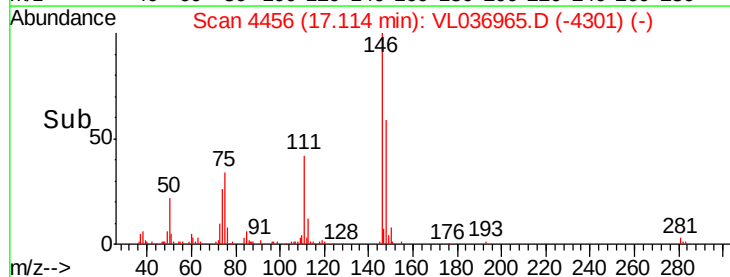
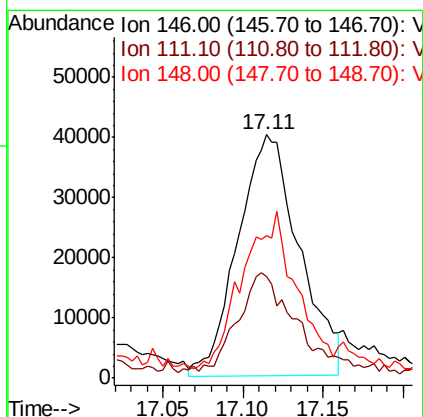
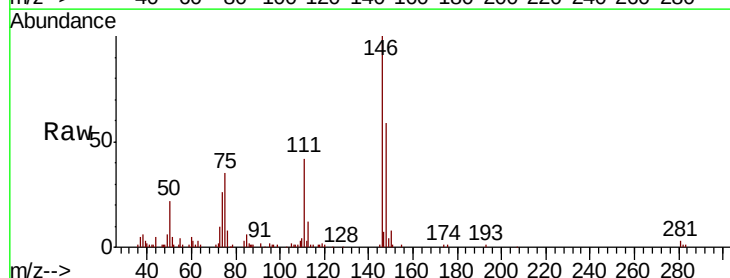
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

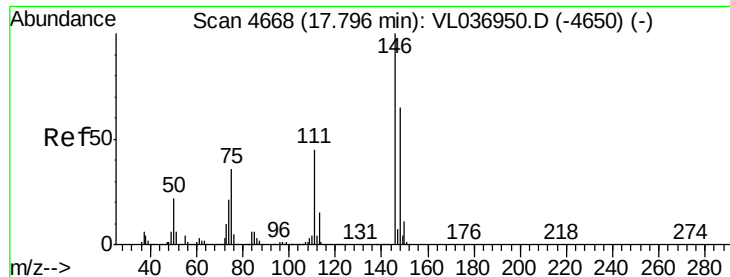
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	22.2	66.6
148	73.0	32.3	96.8



#76
 1,4-Dichlorobenzene
 Concen: 0.391 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	22.6	67.7
148	70.8	33.5	100.5

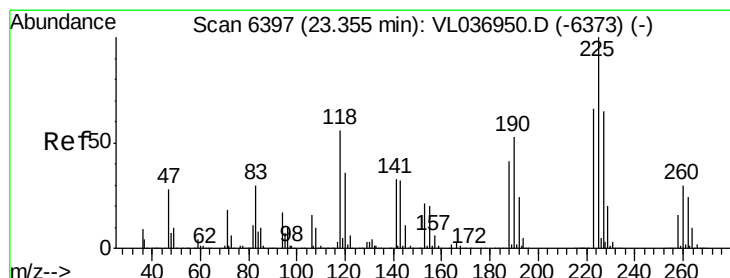
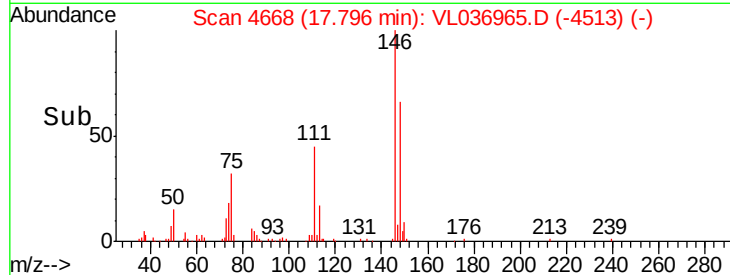
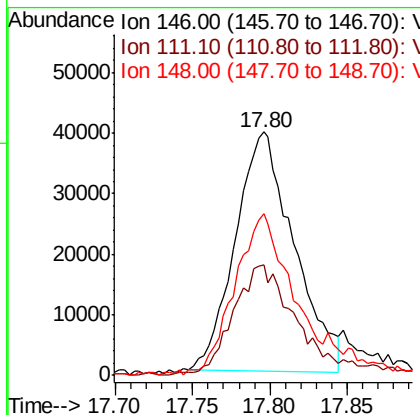
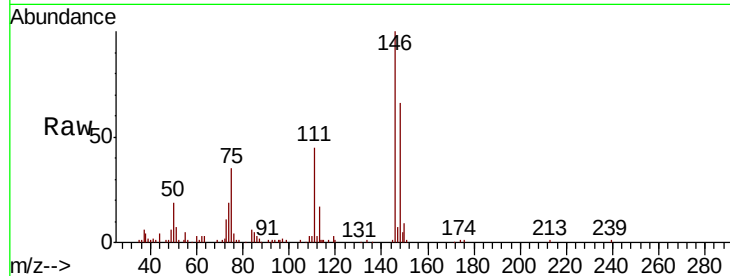




#77
 1,2-Dichlorobenzene
 Concen: 0.390 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

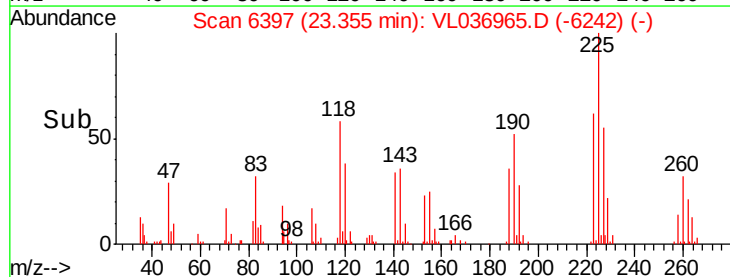
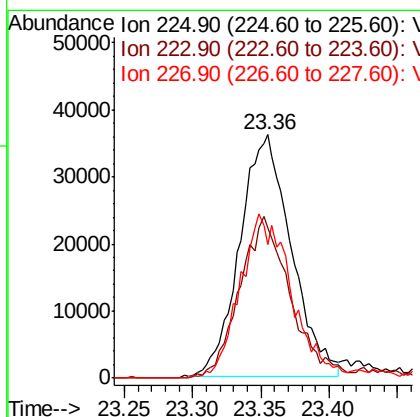
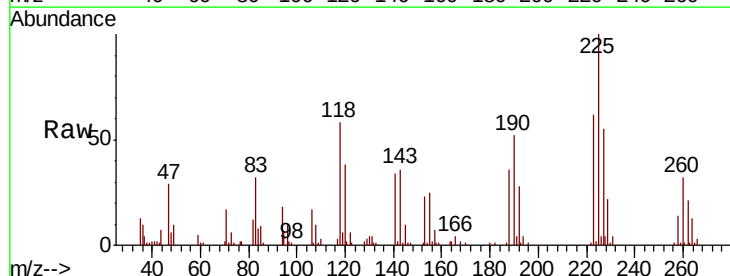
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

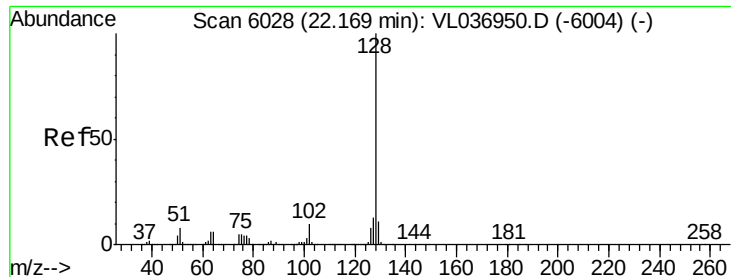
Tot Ion:146 Resp: 104579
 Ion Ratio Lower Upper
 146 100
 111 52.7 23.1 69.2
 148 73.5 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.438 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Tgt Ion:225 Resp: 94343
 Ion Ratio Lower Upper
 225 100
 223 67.0 51.9 77.9
 227 70.9 51.8 77.6





#79

Naphthalene

Concen: 0.173 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. 0.01 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

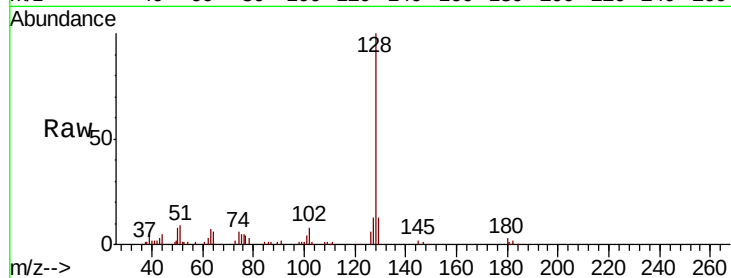
Tot Ion:128 Resp: 59442

Ion Ratio Lower Upper

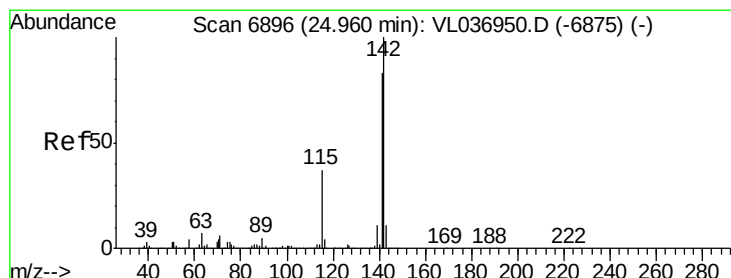
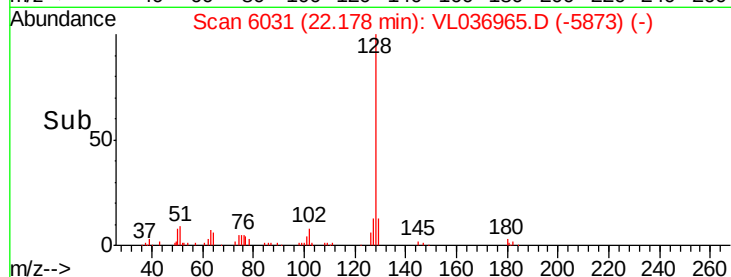
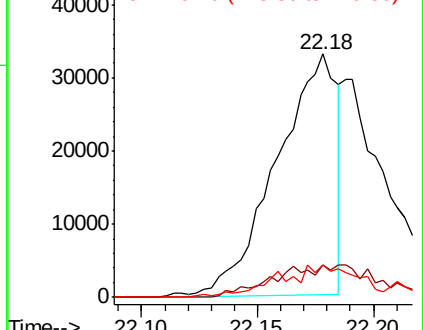
128 100

127 13.4 10.4 15.6

129 13.3 9.0 13.6



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: 0.146 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.06 min

Lab File: VL036965.D

Acq: 18 May 2021 12:38

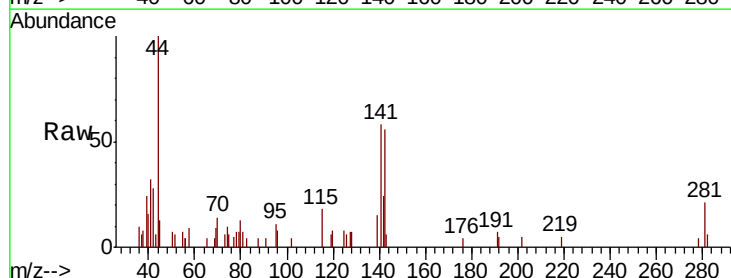
Tgt Ion:142 Resp: 10893

Ion Ratio Lower Upper

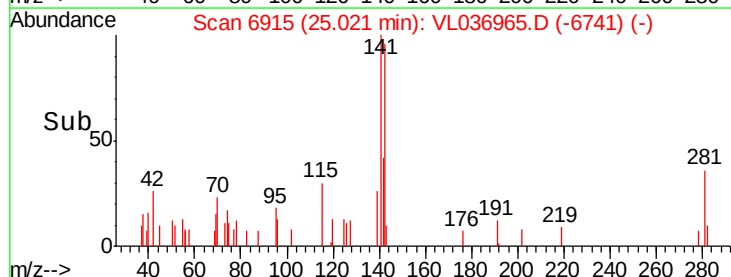
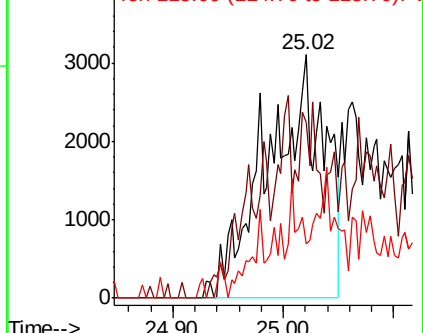
142 100

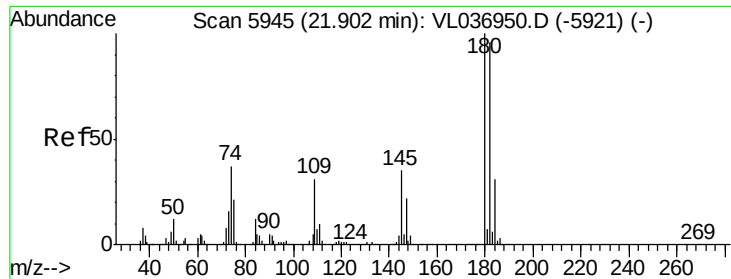
141 96.4 69.3 103.9

115 27.3 29.1 43.7#



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: 0.336 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.00 min
 Lab File: VL036965.D
 Acq: 18 May 2021 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.0	81.7	122.5
184	33.5	24.9	37.3

