

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032220.D
 Acq On : 6 Jul 2018 1:53
 Operator : SY/AP
 Sample : J3762-13 0.4 PPB LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 LOD-MDL-AIR-01-QT3-2018

Quant Time: Jul 06 04:32:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1592177	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4146441	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.33	117	3942063	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3052946	10.13	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	144606	0.690	ppbv	99
3) Chlorodifluoromethane	3.07	51	93953	0.483	ppbv	95
4) Chloromethane	3.22	50	50171	0.483	ppbv	95
5) Vinyl Chloride	3.35	62	25478	0.243	ppbv	93
6) Bromomethane	3.58	94	26266	0.440	ppbv	86
7) Chloroethane	3.66	64	11022	0.297	ppbv #	72
8) Dichlorotetrafluoroethane	3.28	85	116677	0.499	ppbv	89
9) Propene	3.09	41	29434	0.325	ppbv	97
10) Heptane	8.33	43	92672	0.351	ppbv	94
11) Trichlorofluoromethane	4.07	101	112668	0.497	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.62	101	67772	0.449	ppbv	89
13) Ethanol	3.72	45	4730	0.172	ppbv #	38
14) Bromoethene	3.86	108	27905	0.388	ppbv #	92
15) Acetone	3.98	43	98006	0.526	ppbv	97
16) 1,3-Butadiene	3.42	39	41340	0.465	ppbv	84
17) tert-Butyl alcohol	4.45	59	20292	0.171	ppbv #	61
18) 1,1-Dichloroethene	4.42	96	28950	0.401	ppbv	81
19) Isopropyl Alcohol	4.11	45	34988	0.226	ppbv #	59
20) Methylene Chloride	4.48	84	32886	0.483	ppbv	87
21) Allyl Chloride	4.55	41	40585	0.319	ppbv #	84
22) trans-1,2-Dichloroethene	5.04	96	32050	0.424	ppbv	92
23) Vinyl Acetate	5.23	43	97107	0.288	ppbv #	93
24) 1,1-Dichloroethane	5.16	63	99786	0.461	ppbv	98
25) Ethyl Acetate	5.86	43	158034	0.410	ppbv #	97
26) Hexane	5.86	57	66886	0.377	ppbv #	80
27) Carbon Disulfide	4.70	76	48782	0.277	ppbv #	81
28) Methyl tert-Butyl Ether	5.21	73	101040	0.322	ppbv	100
29) Chloroform	5.93	83	123181	0.477	ppbv	97
30) Cyclohexane	7.34	84	61546	0.368	ppbv	96
31) cis-1,2-Dichloroethene	5.72	61	67379	0.380	ppbv	96
32) 1,1,1-Trichloroethane	6.70	97	114811	0.424	ppbv	94
34) 2-Butanone	5.42	43	95767	0.364	ppbv	97
35) Carbon Tetrachloride	7.22	117	82889	0.292	ppbv	95
36) Benzene	7.09	78	154593	0.385	ppbv #	89
37) 1,2-Dichloroethane	6.49	62	102042	0.510	ppbv	97
38) Trichloroethene	8.05	130	55024	0.351	ppbv	90
39) 1,2-Dichloropropane	7.82	63	72413	0.458	ppbv	89
42) Bromodichloromethane	8.01	83	119118	0.380	ppbv	99
43) Methyl Methacrylate	8.23	69	55025	0.331	ppbv	97
44) 2,2,4-Trimethylpentane	8.08	57	282925	0.403	ppbv	97
45) t-1,3-Dichloropropene	9.50	75	50291	0.244	ppbv	98

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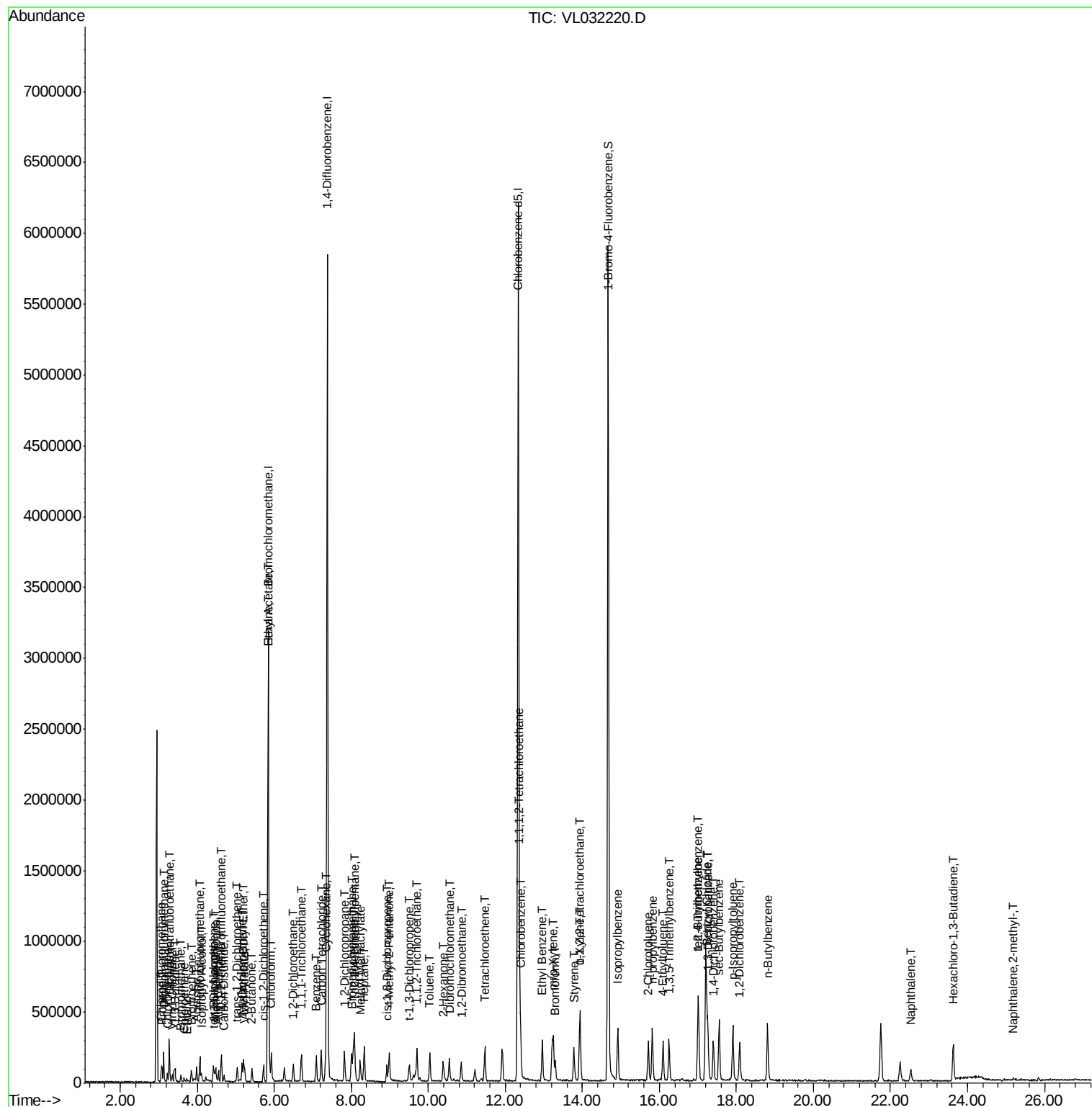
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.93	75	38224	0.155	ppbv	92
47) 1,1,2-Trichloroethane	9.71	97	75568	0.459	ppbv	90
48) Dibromochloromethane	10.55	129	89684	0.352	ppbv	98
49) Bromoform	13.29	173	33840	0.159	ppbv #	23
50) 4-Methyl-2-Pentanone	8.98	43	95741	0.222	ppbv #	38
51) 2-Hexanone	10.39	43	127024	0.355	ppbv #	94
52) Tetrachloroethene	11.46	164	25407	0.174	ppbv	86
53) Toluene	10.04	91	155620	0.321	ppbv	99
54) 1,2-Dibromoethane	10.85	107	106187	0.429	ppbv #	79
56) 1,1,1,2-Tetrachloroethane	12.37	131	85568	0.486	ppbv #	1
57) Chlorobenzene	12.40	112	166089	0.487	ppbv	98
58) Ethyl Benzene	12.96	91	241771	0.381	ppbv	92
59) m/p-Xylene	13.24	91	61523	0.121	ppbv #	29
60) o-Xylene	13.94	91	98109	0.193	ppbv #	27
61) Styrene	13.78	104	78211	0.188	ppbv #	45
62) Isopropylbenzene	14.92	105	288951	0.370	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	195788	0.498	ppbv	98
64) n-propylbenzene	15.82	120	71900	0.356	ppbv	68
65) tert-Butylbenzene	17.00	119	250315	0.365	ppbv	88
66) Benzyl Chloride	17.24	91	19815	0.047	ppbv #	63
67) sec-Butylbenzene	17.55	105	359791	0.358	ppbv	98
69) p-Isopropyltoluene	17.91	119	276473	0.343	ppbv #	93
70) n-Butylbenzene	18.81	91	299585	0.356	ppbv	95
71) 2-Chlorotoluene	15.72	91	218346	0.363	ppbv	93
72) 4-Ethyltoluene	16.09	105	218368	0.333	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.25	105	205455	0.332	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	235806	0.378	ppbv #	91
75) 1,3-Dichlorobenzene	17.25	146	66384	0.187	ppbv #	24
76) 1,4-Dichlorobenzene	17.40	146	130955	0.364	ppbv	91
77) 1,2-Dichlorobenzene	18.08	146	131859	0.372	ppbv	94
78) Hexachloro-1,3-Butadiene	23.61	225	10160	0.082	ppbv #	18
79) Naphthalene	22.53	128	49823	0.088	ppbv	98
80) Naphthalene,2-methyl-	25.20	142	7655	0.037	ppbv	100

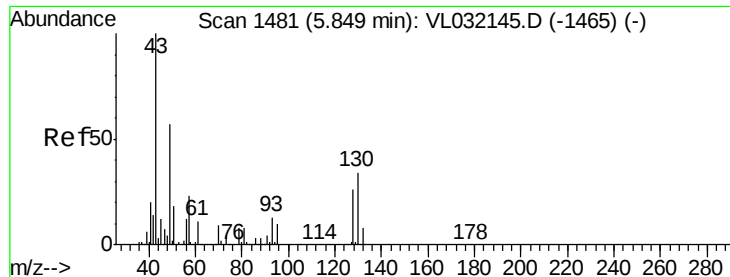
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 29 22:27:58 2018
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

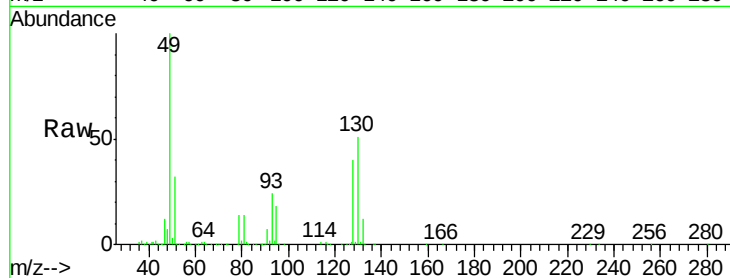
Tgt Ion: 49 Resp: 1592177

Ion Ratio Lower Upper

49 100

128 42.3 23.4 70.0

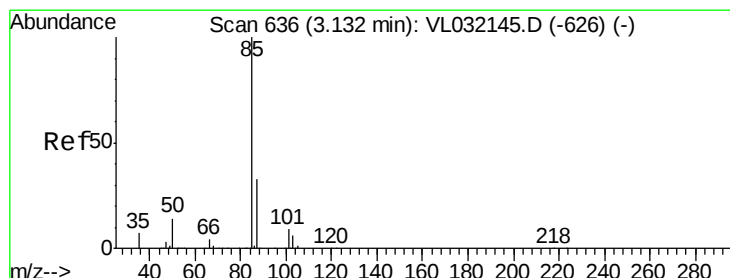
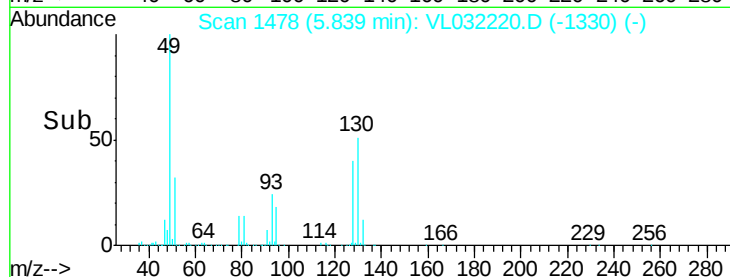
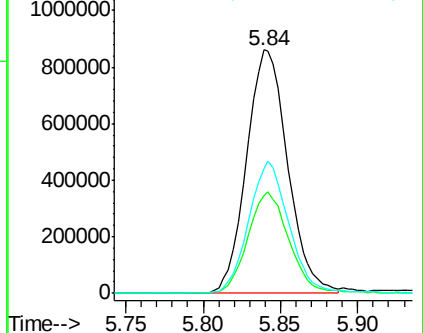
130 53.8 30.3 90.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.690 ppbv

RT: 3.13 min Scan# 636

Delta R.T. -0.01 min

Lab File: VL032220.D

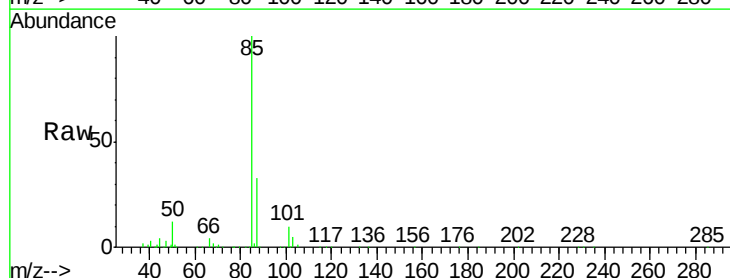
Acq: 6 Jul 2018 1:53

Tgt Ion: 85 Resp: 144606

Ion Ratio Lower Upper

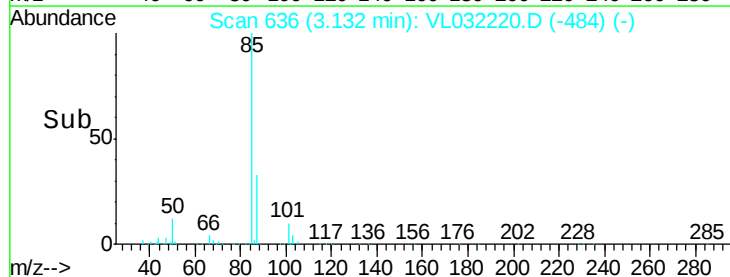
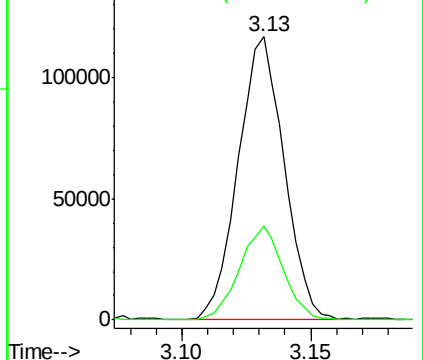
85 100

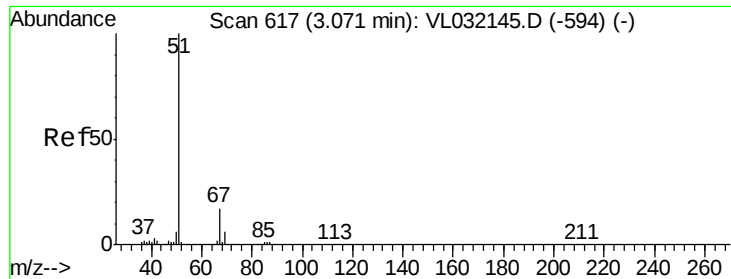
87 33.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.483 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

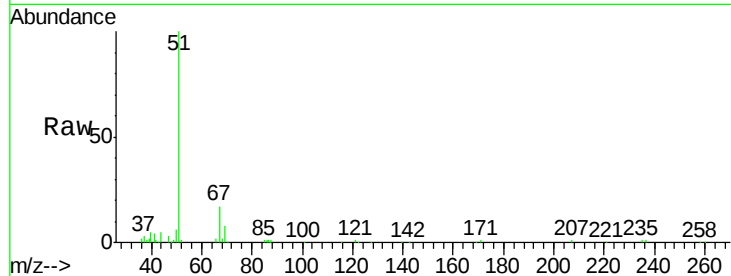
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 51 Resp: 93953

Ion Ratio Lower Upper

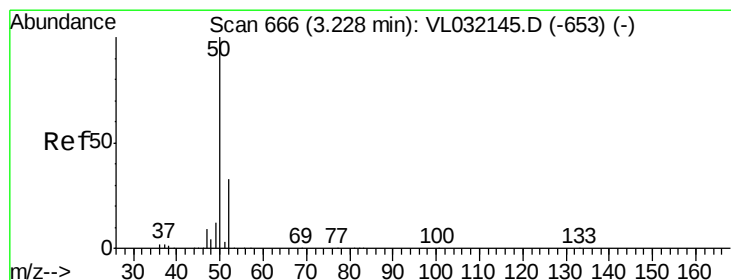
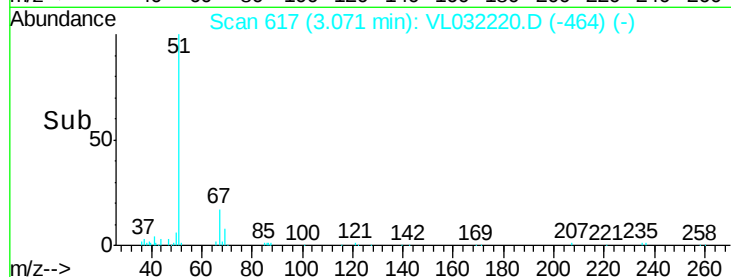
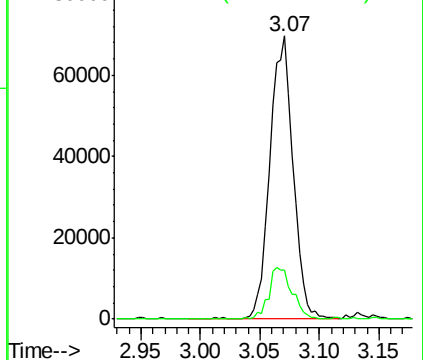
51 100

67 18.6 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.483 ppbv

RT: 3.22 min Scan# 665

Delta R.T. -0.01 min

Lab File: VL032220.D

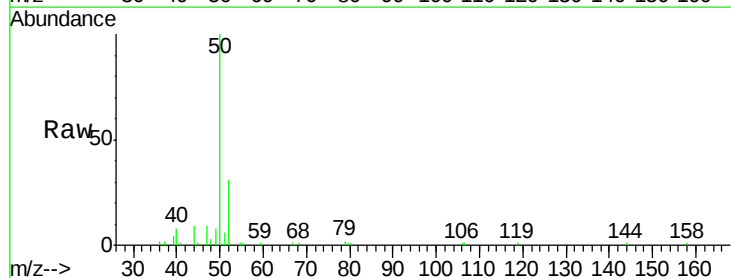
Acq: 6 Jul 2018 1:53

Tgt Ion: 50 Resp: 50171

Ion Ratio Lower Upper

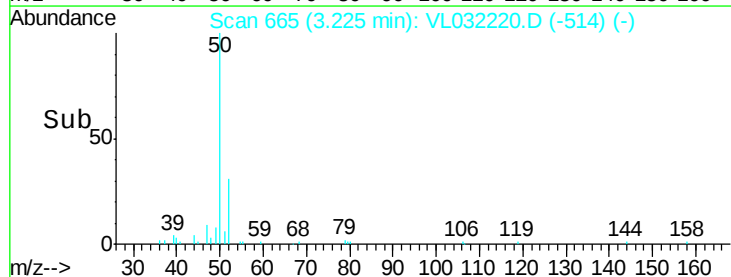
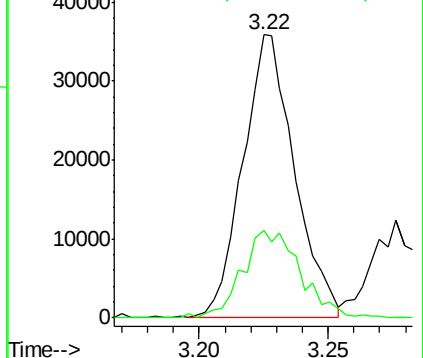
50 100

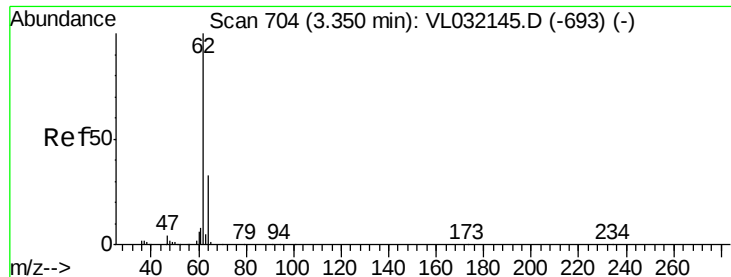
52 29.5 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.243 ppbv

RT: 3.35 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

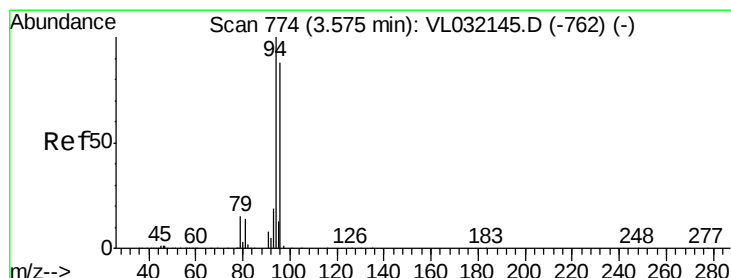
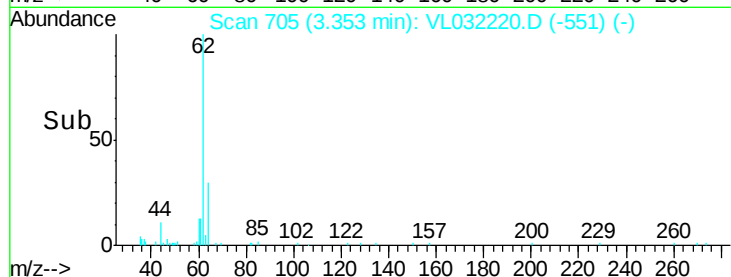
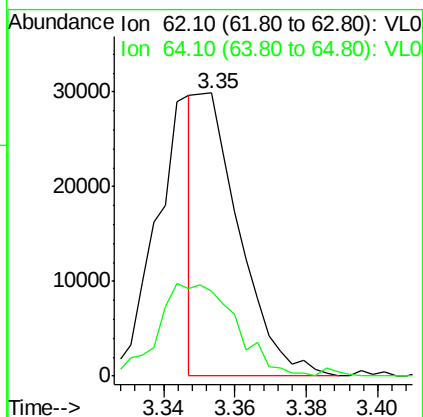
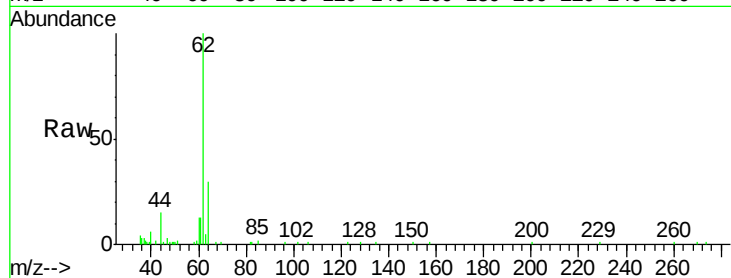
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 62 Resp: 25478

Ion Ratio Lower Upper

62 100

64 28.5 26.1 39.1



#6

Bromomethane

Concen: 0.440 ppbv

RT: 3.58 min Scan# 774

Delta R.T. -0.01 min

Lab File: VL032220.D

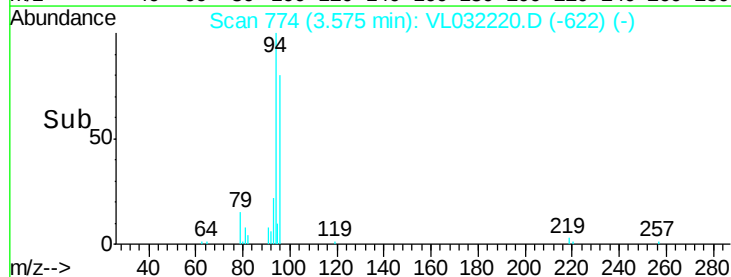
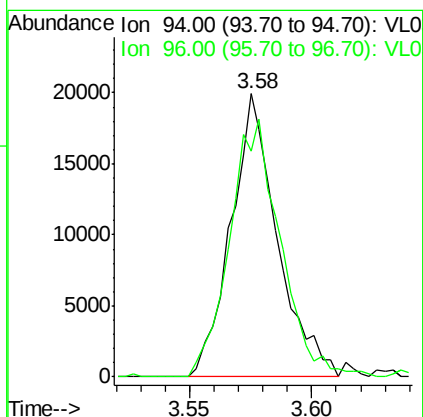
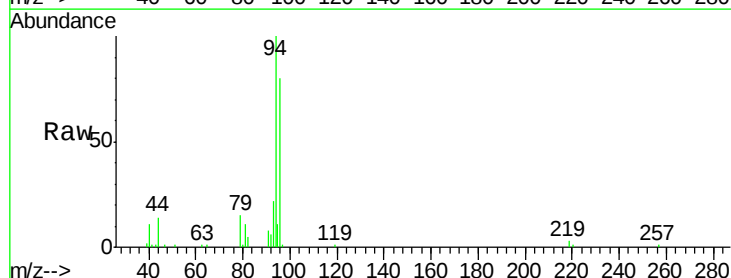
Acq: 6 Jul 2018 1:53

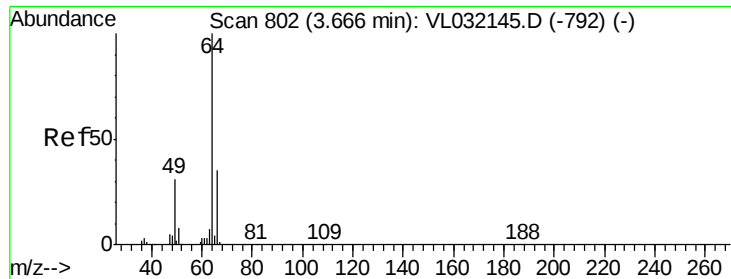
Tgt Ion: 94 Resp: 26266

Ion Ratio Lower Upper

94 100

96 79.9 74.7 112.1





#7

Chloroethane

Concen: 0.297 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

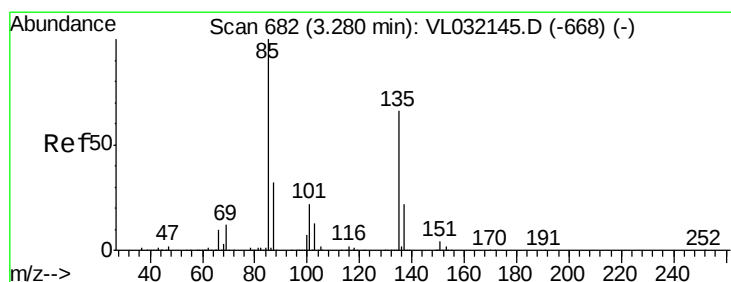
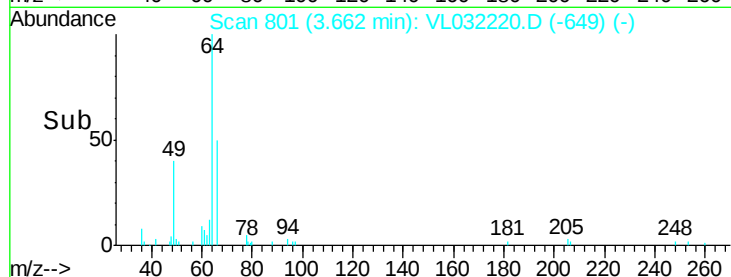
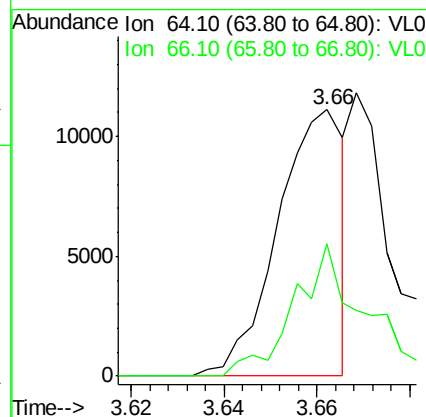
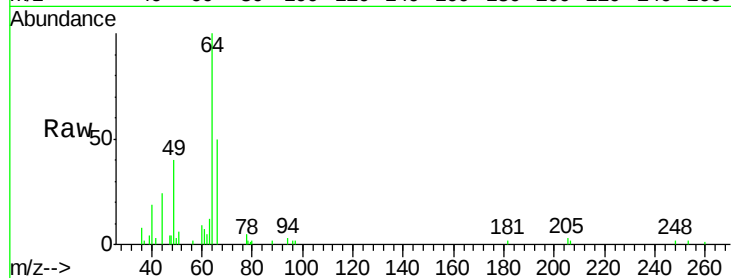
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 64 Resp: 11022

Ion Ratio Lower Upper

64 100

66 49.6 26.9 40.3#



#8

Dichlorotetrafluoroethane

Concen: 0.499 ppbv

RT: 3.28 min Scan# 681

Delta R.T. -0.01 min

Lab File: VL032220.D

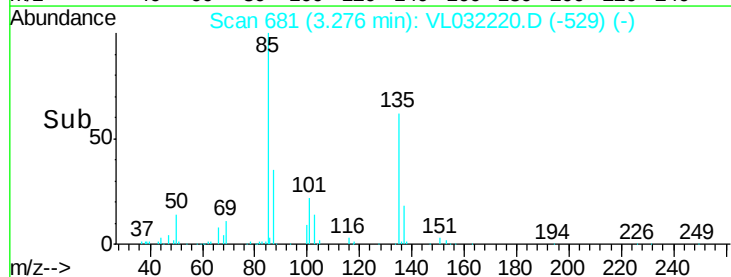
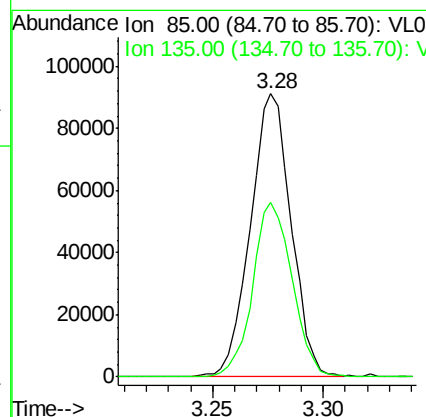
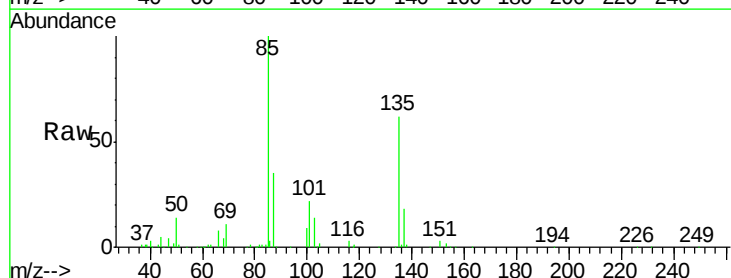
Acq: 6 Jul 2018 1:53

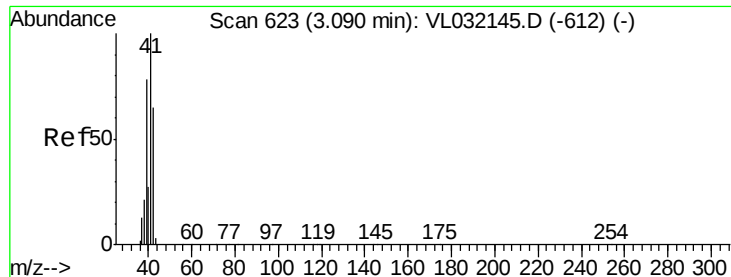
Tgt Ion: 85 Resp: 116677

Ion Ratio Lower Upper

85 100

135 59.7 54.6 82.0





#9

Propene

Concen: 0.325 ppbv

RT: 3.09 min Scan# 623

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

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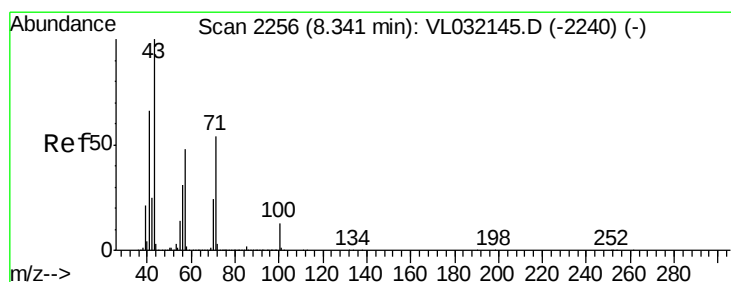
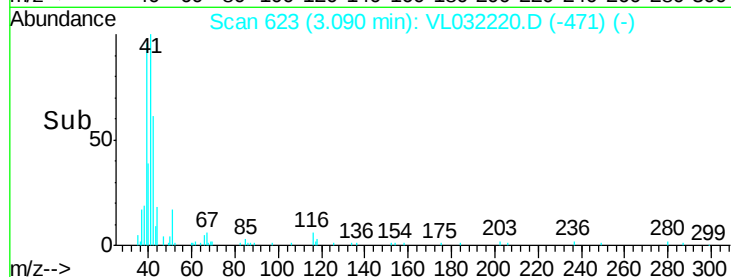
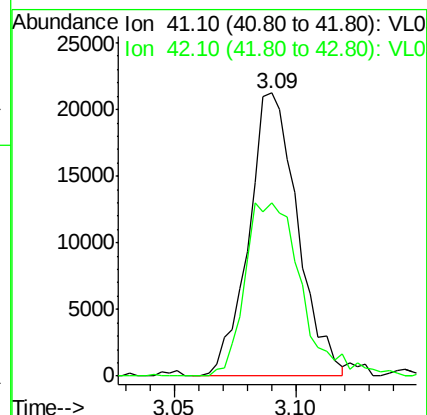
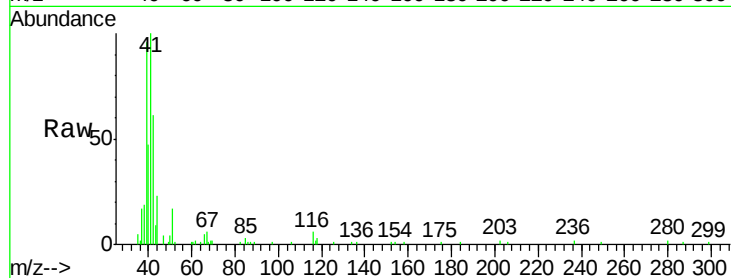
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 41 Resp: 29434

Ion Ratio Lower Upper

41 100

42 72.7 56.2 84.4



#10

Heptane

Concen: 0.351 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. -0.03 min

Lab File: VL032220.D

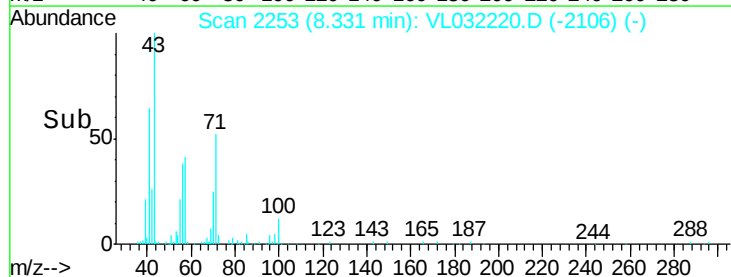
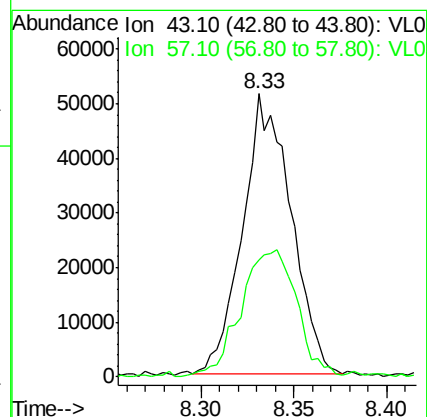
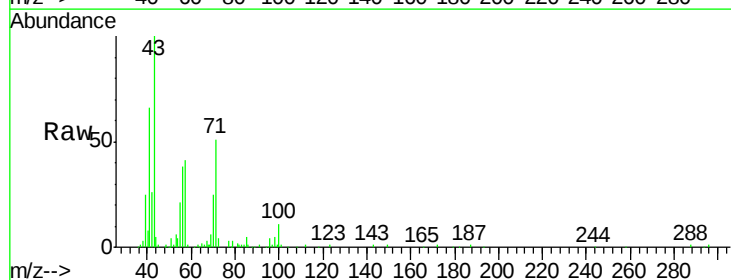
Acq: 6 Jul 2018 1:53

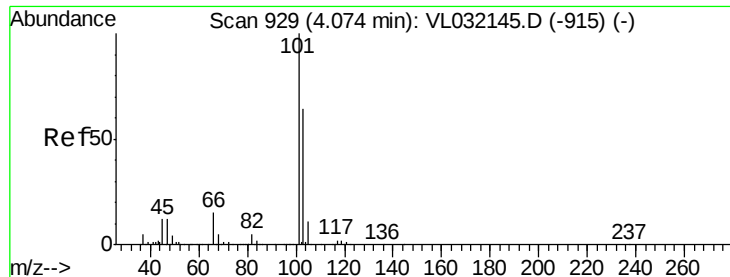
Tgt Ion: 43 Resp: 92672

Ion Ratio Lower Upper

43 100

57 53.8 39.8 59.8

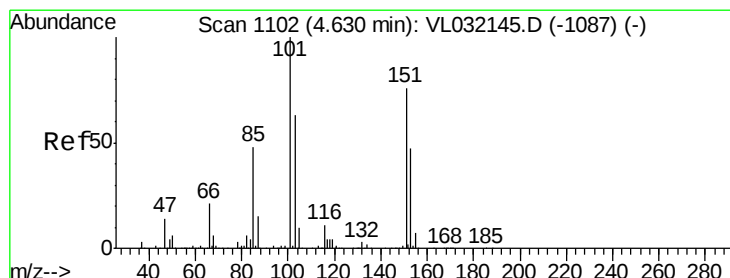
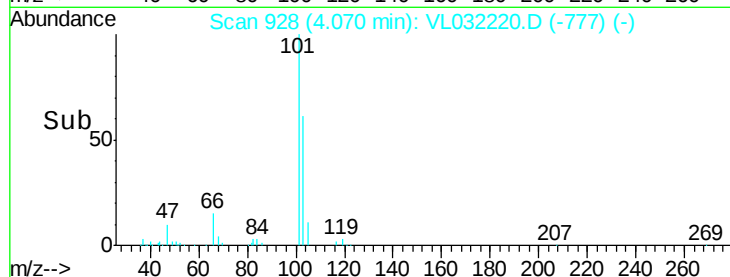
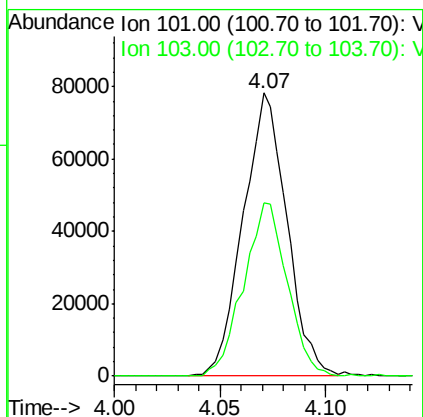
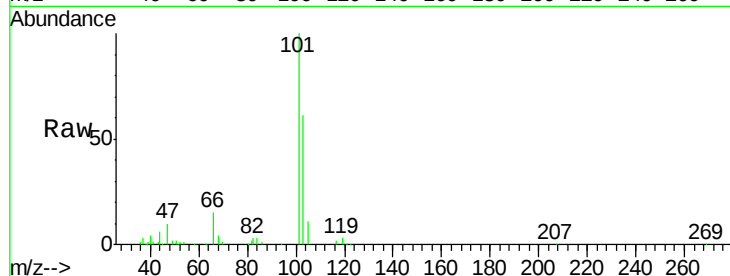




#11
 Trichlorofluoromethane
 Concen: 0.497 ppbv
 RT: 4.07 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

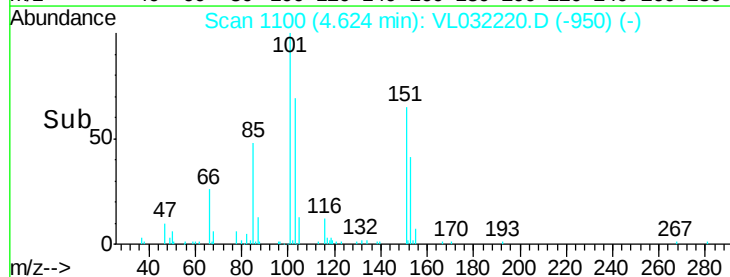
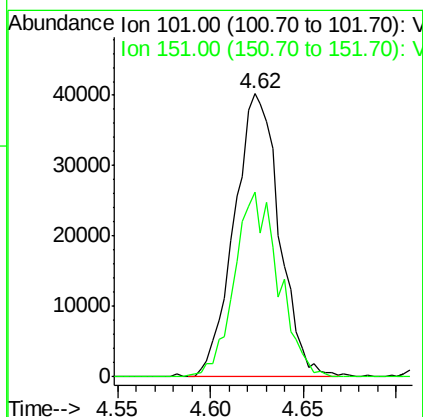
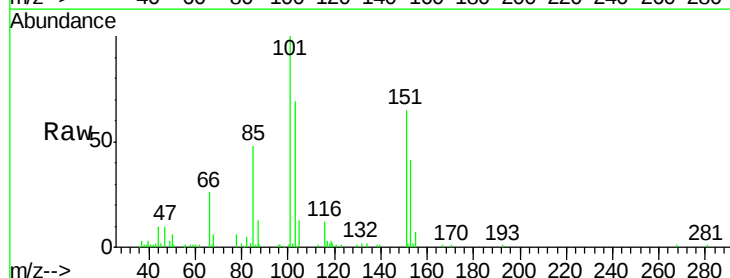
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

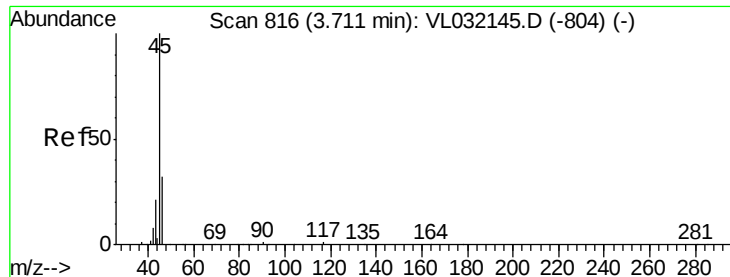
Tgt Ion:101 Resp: 112668
 Ion Ratio Lower Upper
 101 100
 103 61.1 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.449 ppbv
 RT: 4.62 min Scan# 1100
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion:101 Resp: 67772
 Ion Ratio Lower Upper
 101 100
 151 63.8 58.8 88.2





#13

Ethanol

Concen: 0.172 ppbv

RT: 3.72 min Scan# 819

Delta R.T. -0.00 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

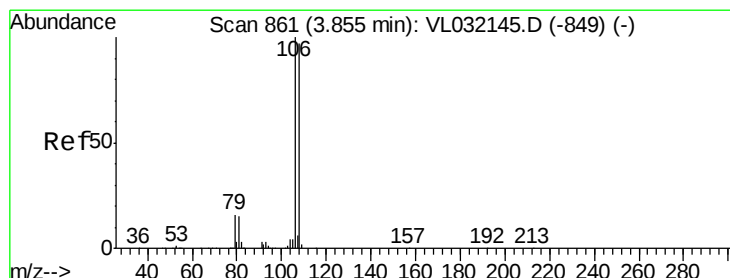
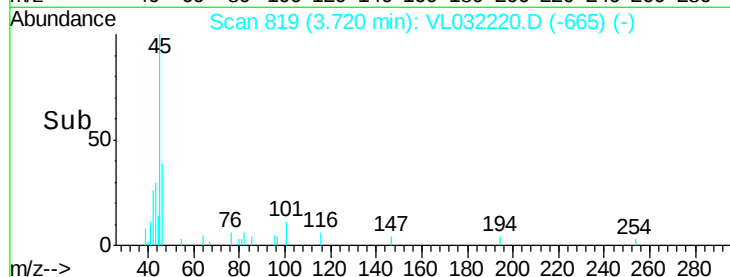
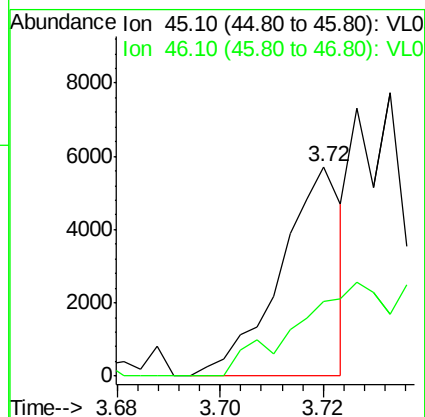
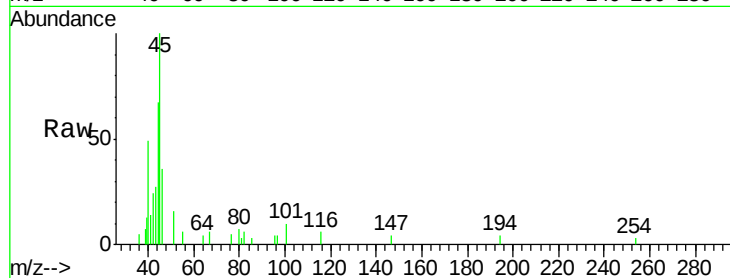
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 45 Resp: 4730

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.4#



#14

Bromoethene

Concen: 0.388 ppbv

RT: 3.86 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

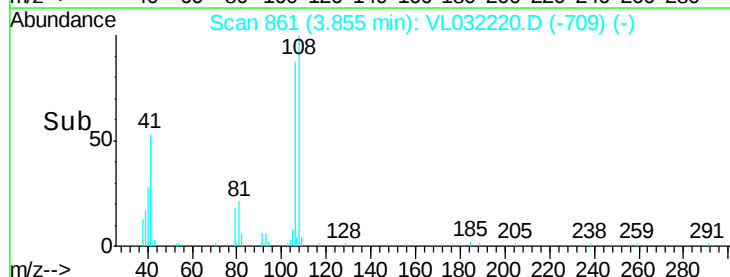
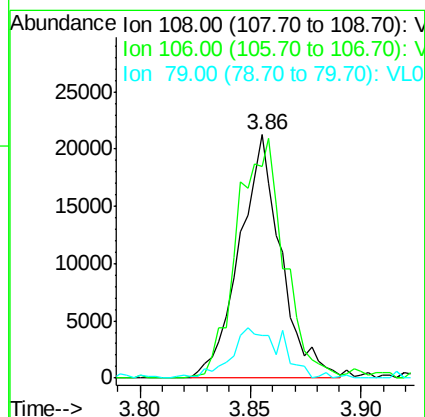
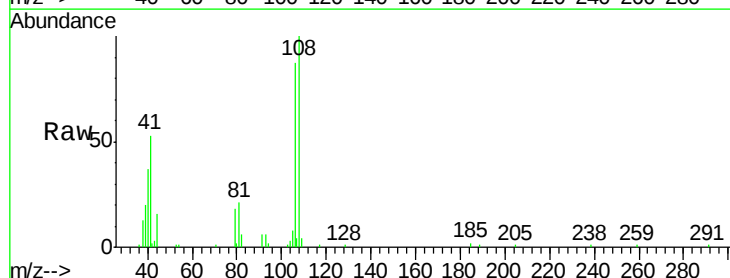
Tgt Ion: 108 Resp: 27905

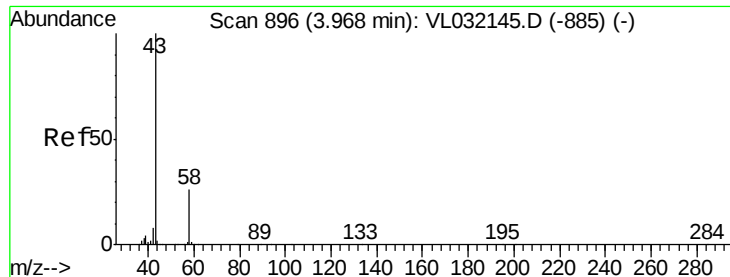
Ion Ratio Lower Upper

108 100

106 113.6 86.3 129.5

79 25.5 12.7 19.1#





#15

Acetone

Concen: 0.526 ppbv

RT: 3.98 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

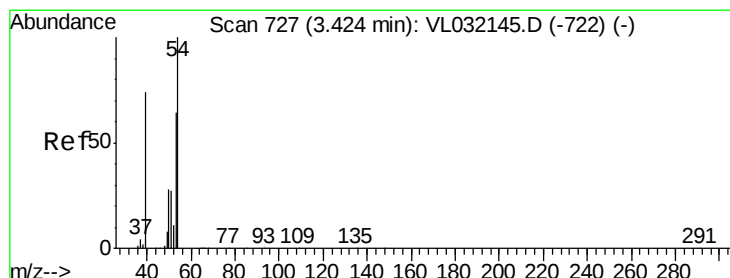
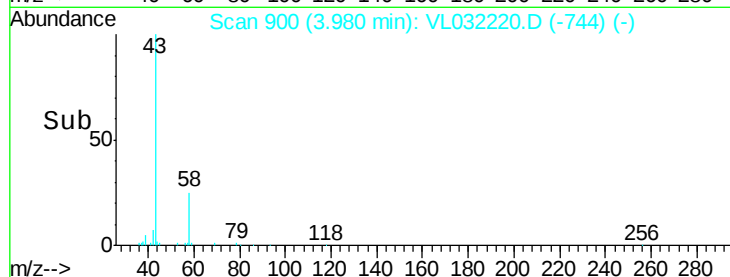
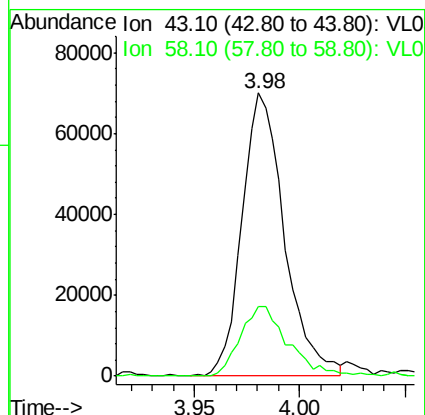
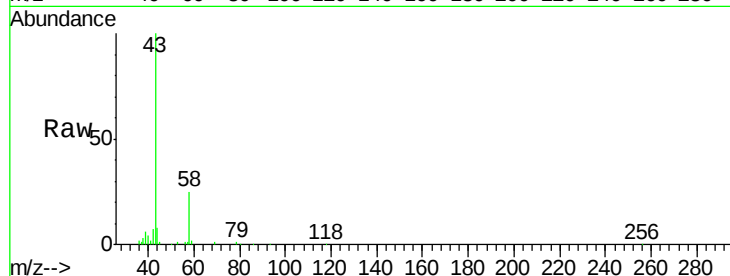
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 43 Resp: 98006

Ion Ratio Lower Upper

43 100

58 28.2 21.4 32.0



#16

1,3-Butadiene

Concen: 0.465 ppbv

RT: 3.42 min Scan# 726

Delta R.T. -0.01 min

Lab File: VL032220.D

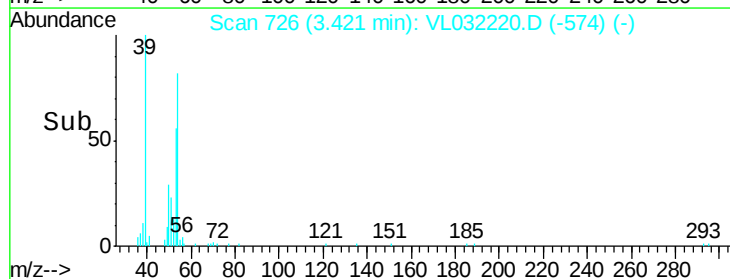
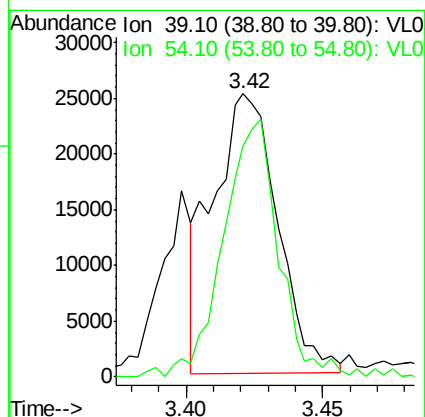
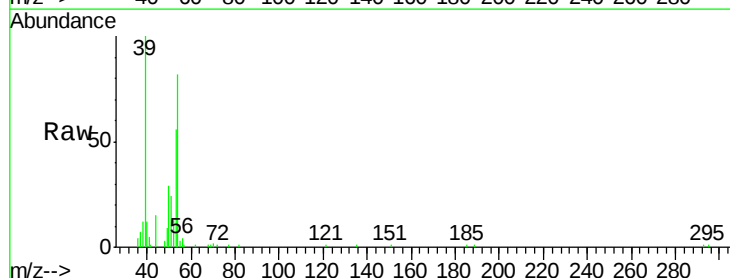
Acq: 6 Jul 2018 1:53

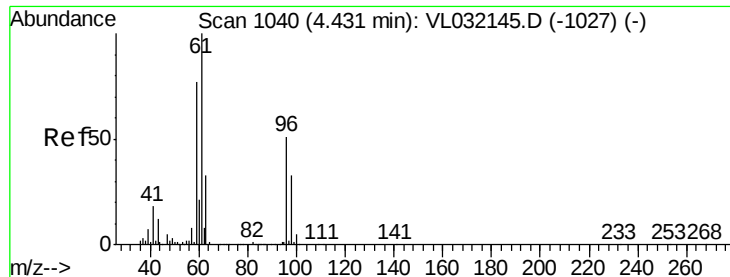
Tgt Ion: 39 Resp: 41340

Ion Ratio Lower Upper

39 100

54 79.5 75.8 113.6

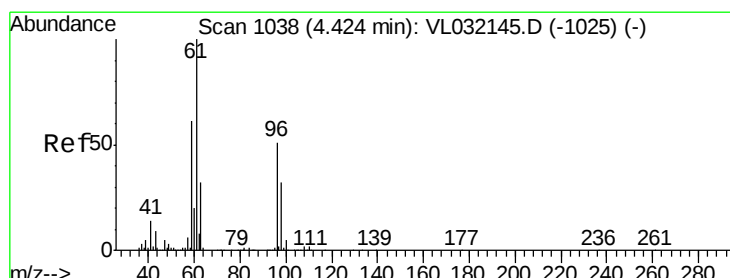
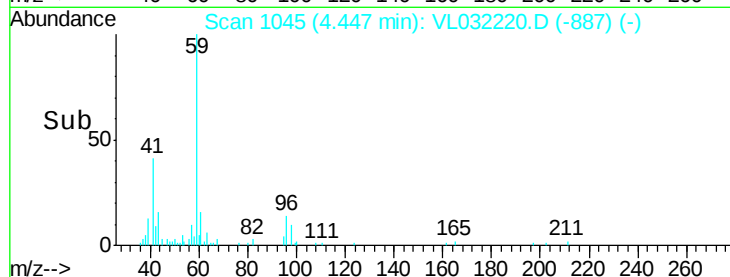
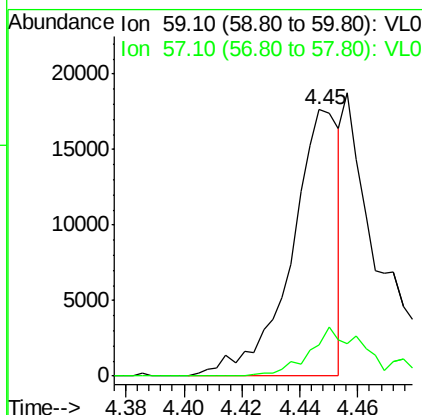
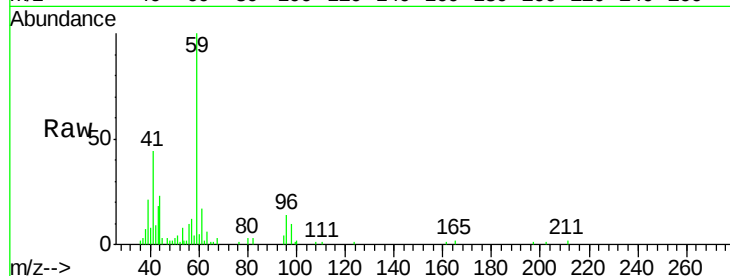




#17
 tert-Butyl alcohol
 Concen: 0.171 ppbv
 RT: 4.45 min Scan# 1045
 Delta R.T. 0.01 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

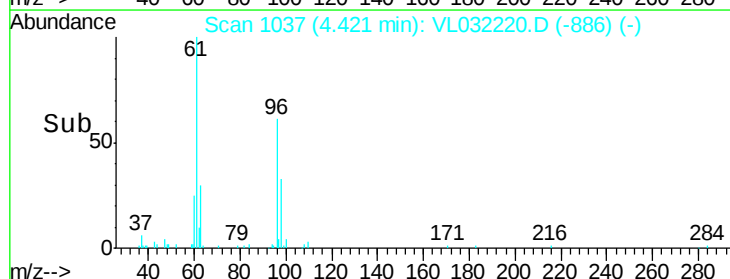
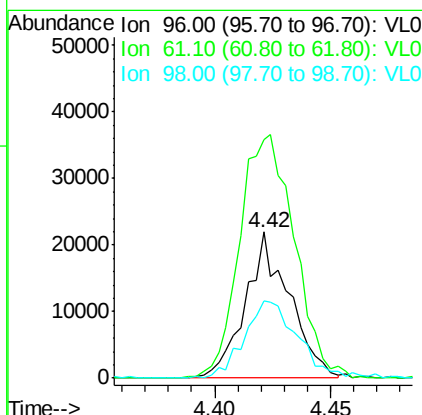
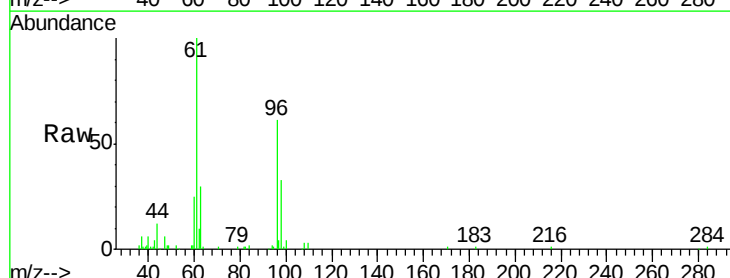
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

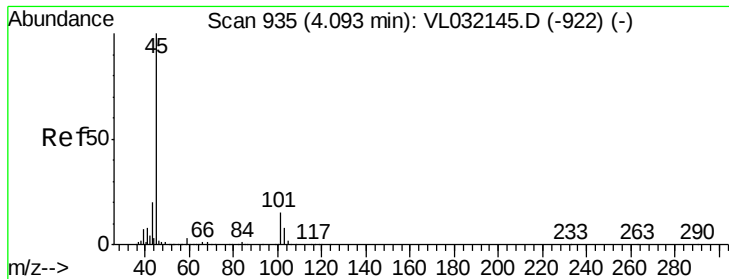
Tgt Ion: 59 Resp: 20292
 Ion Ratio Lower Upper
 59 100
 57 24.7 8.2 12.2#



#18
 1,1-Dichloroethene
 Concen: 0.401 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 96 Resp: 28950
 Ion Ratio Lower Upper
 96 100
 61 162.1 154.1 231.1
 98 53.2 50.3 75.5



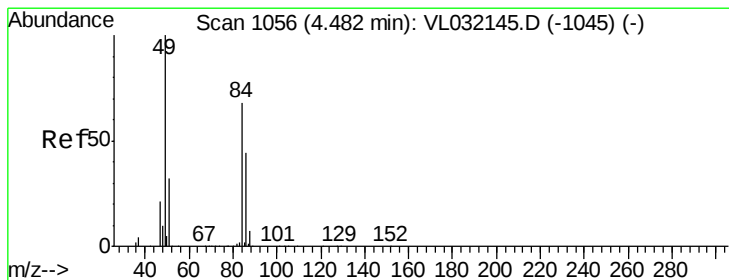
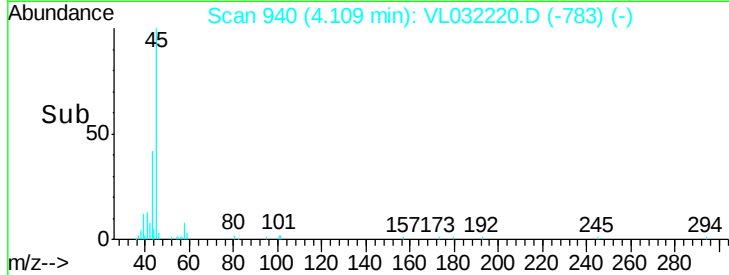
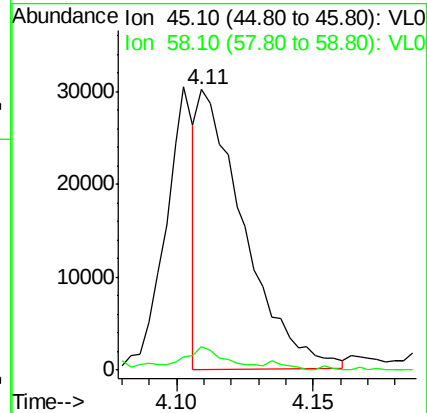
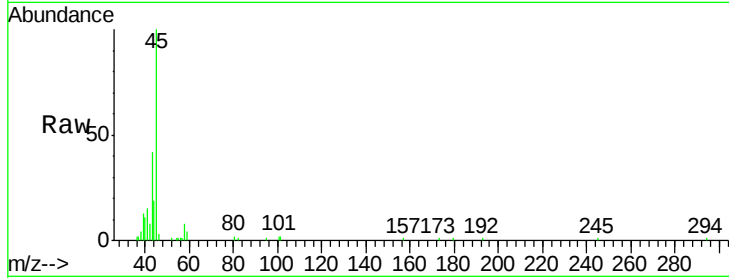


#19

Isopropyl Alcohol
 Concen: 0.226 ppbv
 RT: 4.11 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

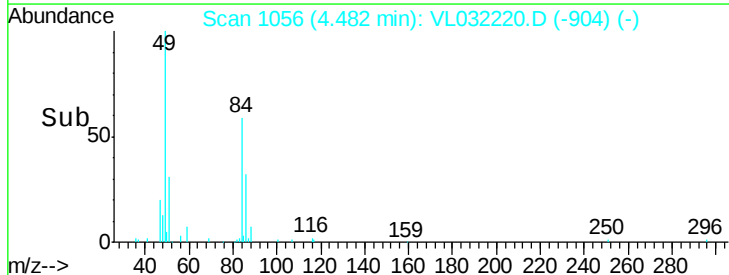
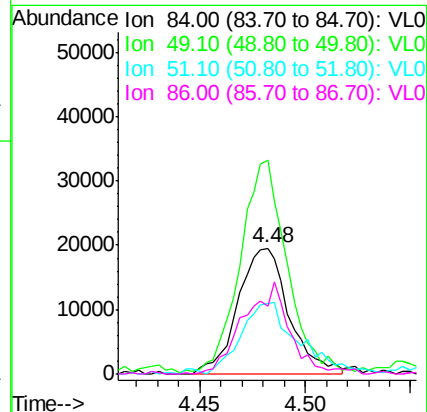
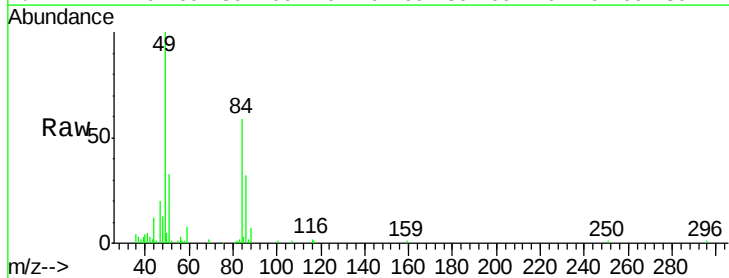
Tgt Ion: 45 Resp: 34988
 Ion Ratio Lower Upper
 45 100
 58 12.5 29.4 44.0#

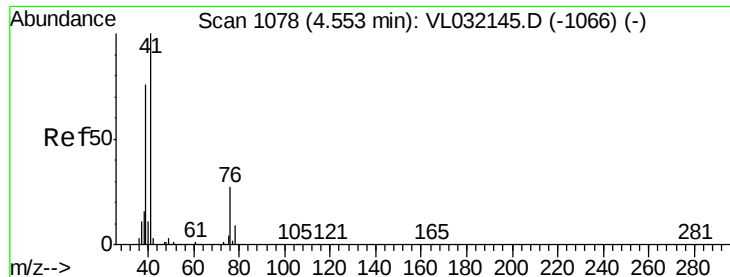


#20

Methylene Chloride
 Concen: 0.483 ppbv
 RT: 4.48 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 84 Resp: 32886
 Ion Ratio Lower Upper
 84 100
 49 168.5 119.6 179.4
 51 52.6 36.3 54.5
 86 54.3 49.7 74.5

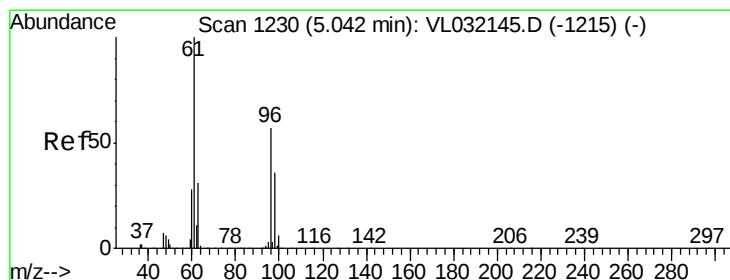
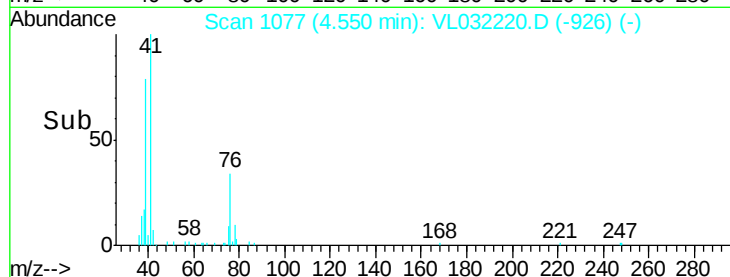
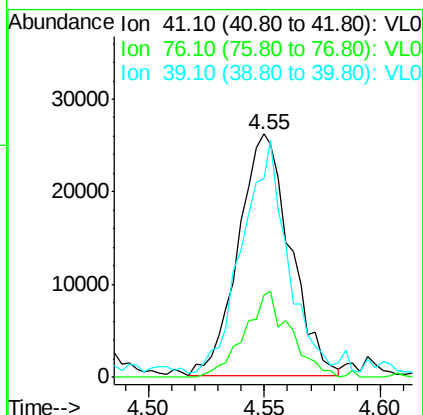
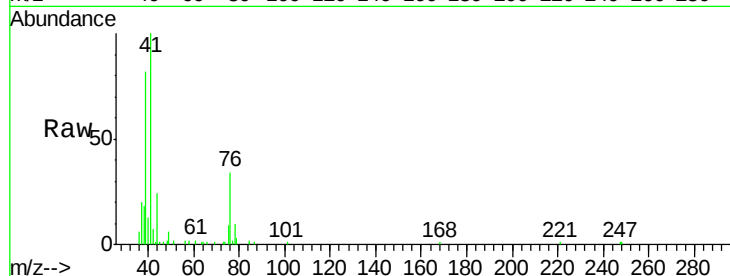




#21
 Allyl Chloride
 Concen: 0.319 ppbv
 RT: 4.55 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

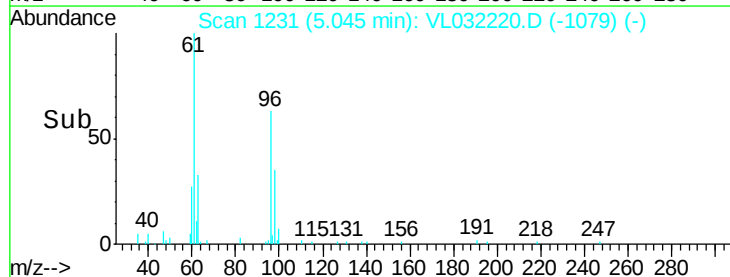
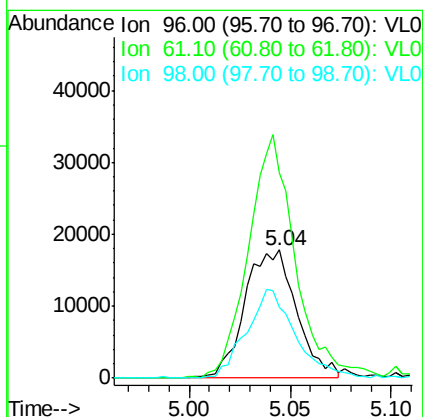
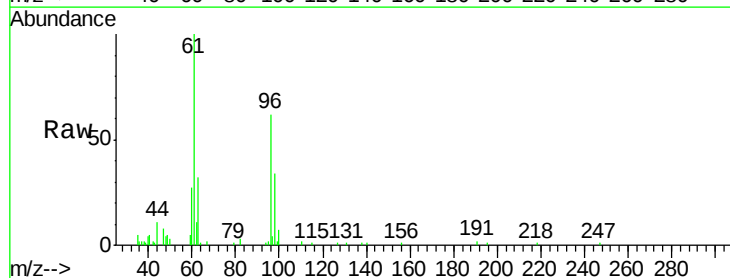
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

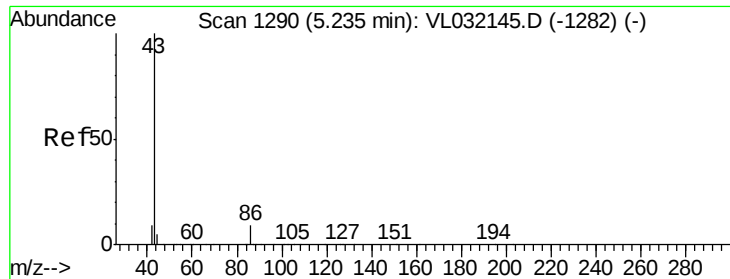
Tgt Ion: 41 Resp: 40585
 Ion Ratio Lower Upper
 41 100
 76 32.1 22.5 33.7
 39 91.7 60.5 90.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.424 ppbv
 RT: 5.04 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 96 Resp: 32050
 Ion Ratio Lower Upper
 96 100
 61 158.8 135.2 202.8
 98 55.2 49.7 74.5





#23

Vinyl Acetate

Concen: 0.288 ppbv

RT: 5.23 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 43 Resp: 97107

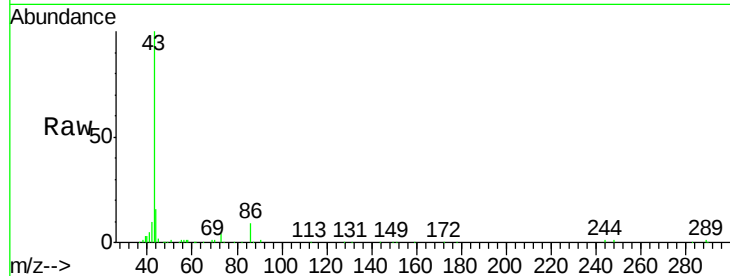
Ion Ratio Lower Upper

43 100

86 9.2 6.2 9.4

42 8.8 6.9 10.3

44 12.3 3.8 5.8#

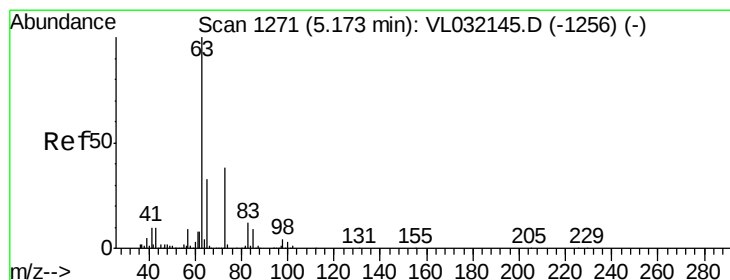
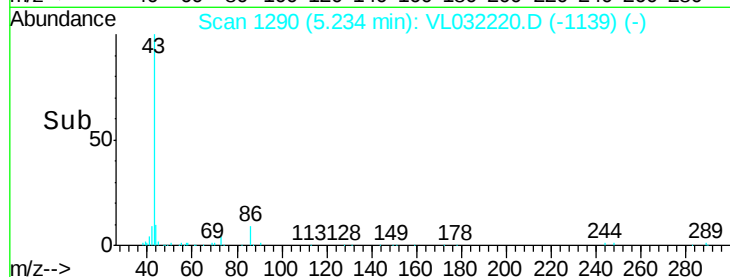
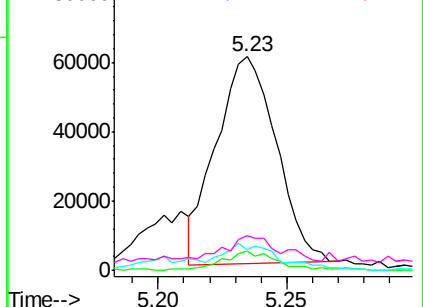


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.461 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

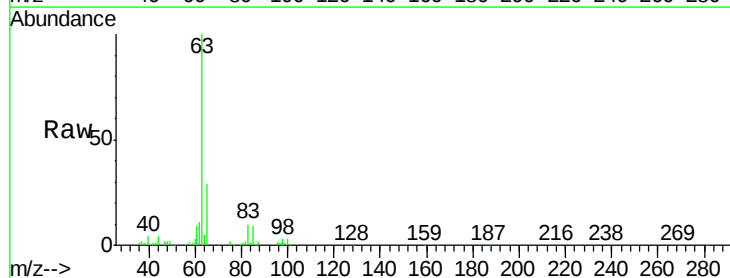
Tgt Ion: 63 Resp: 99786

Ion Ratio Lower Upper

63 100

98 3.7 2.4 7.2

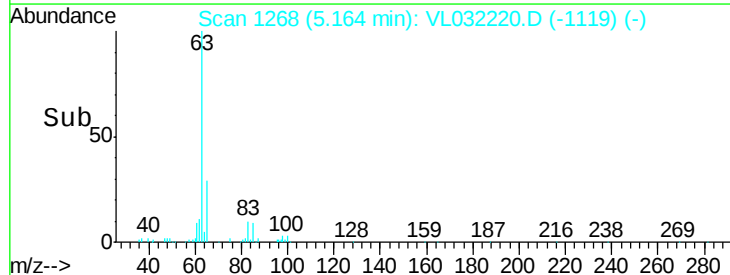
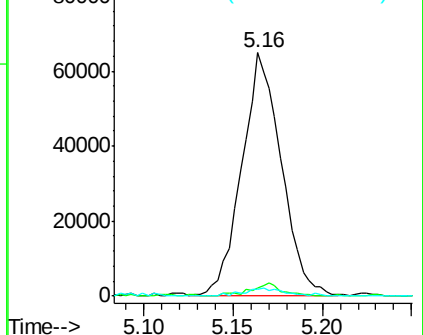
100 3.0 1.7 5.0

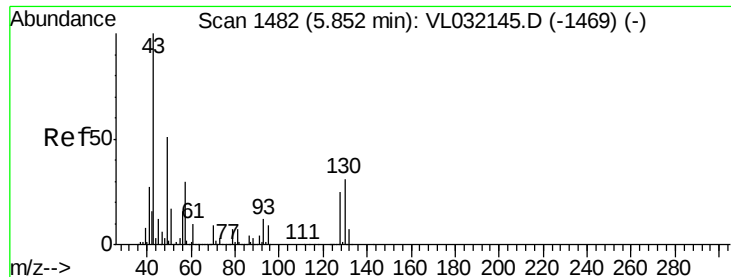


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.410 ppbv

RT: 5.86 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 43 Resp: 158034

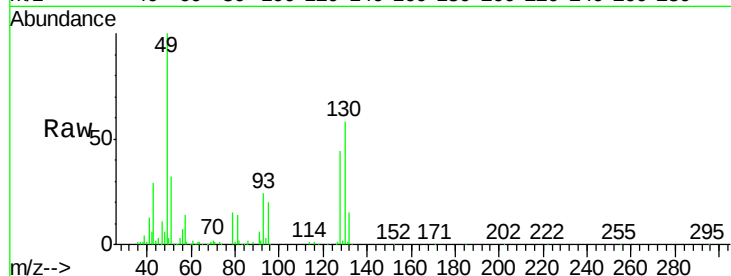
Ion Ratio Lower Upper

43 100

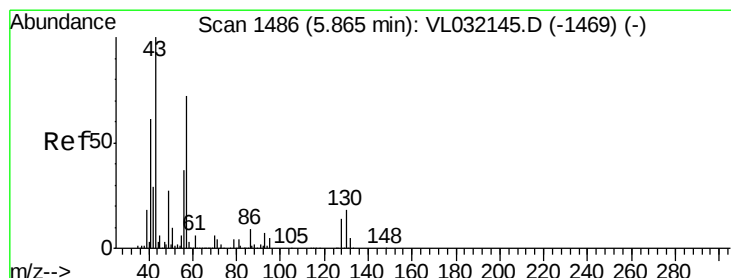
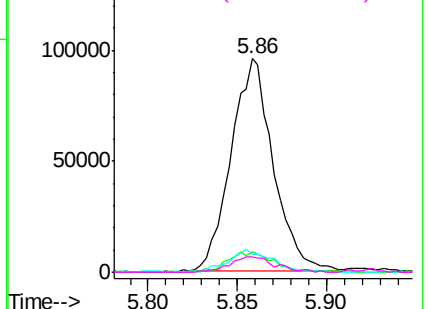
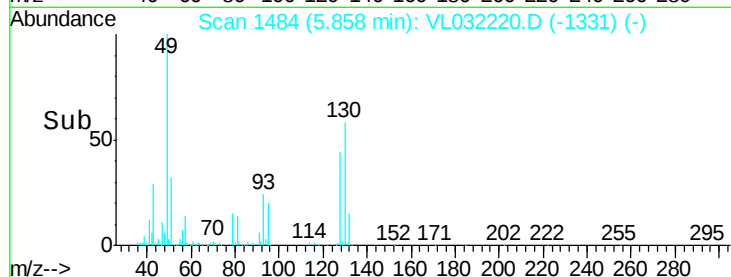
45 10.7 7.8 11.8

61 11.1 7.4 11.0#

70 7.8 6.1 9.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.377 ppbv

RT: 5.86 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Tgt Ion: 57 Resp: 66886

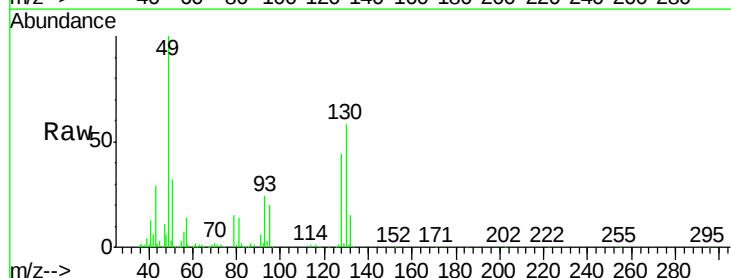
Ion Ratio Lower Upper

57 100

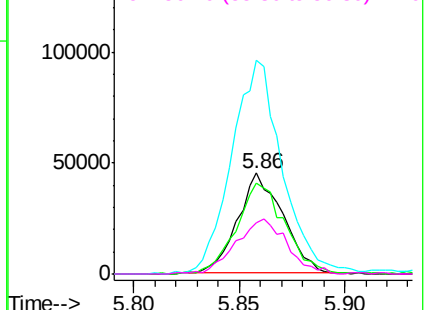
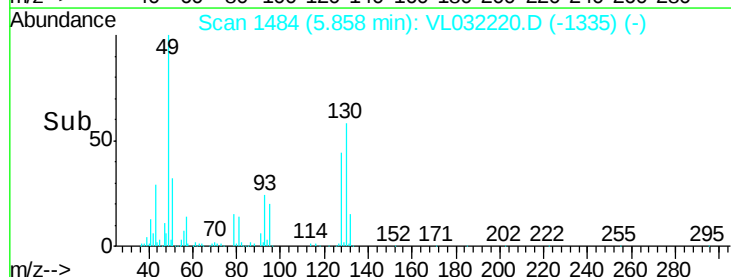
41 99.9 68.6 103.0

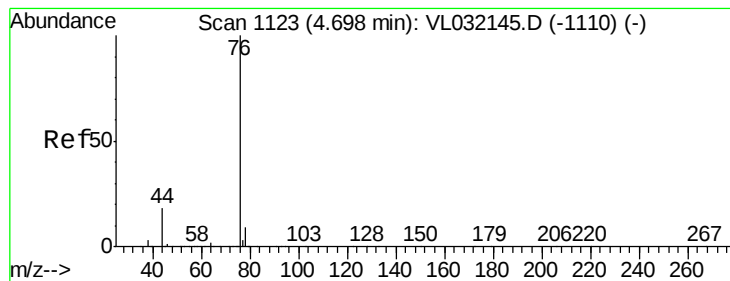
43 247.4 168.6 252.8

56 63.0 41.0 61.6#



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





#27

Carbon Disulfide

Concen: 0.277 ppbv

RT: 4.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

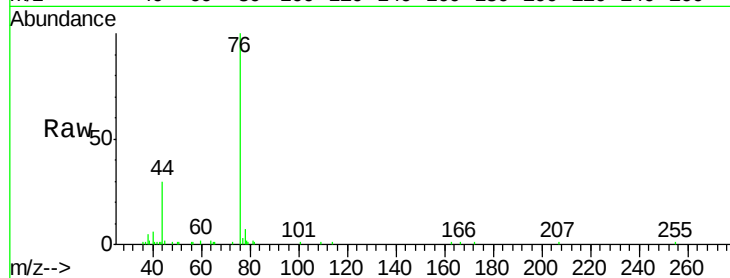
Tgt Ion: 76 Resp: 48782

Ion Ratio Lower Upper

76 100

44 30.0 15.1 22.7#

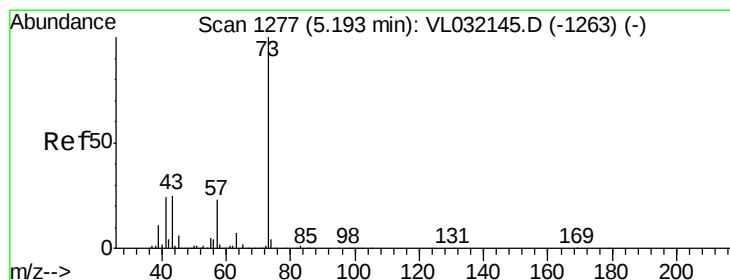
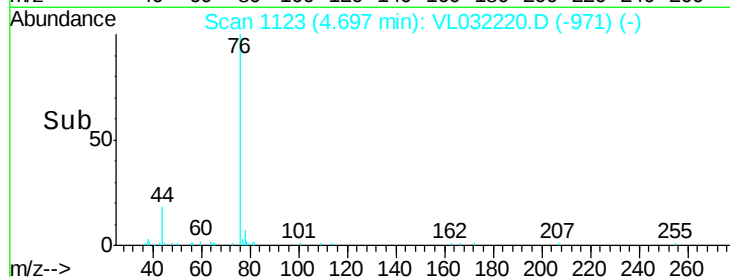
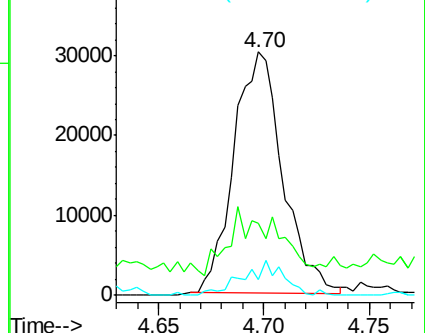
78 12.0 7.2 10.8#



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: 0.322 ppbv

RT: 5.21 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VL032220.D

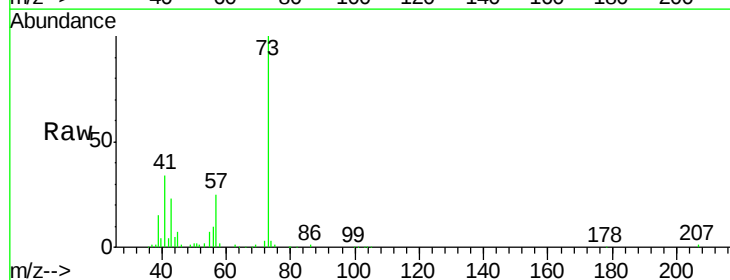
Acq: 6 Jul 2018 1:53

Tgt Ion: 73 Resp: 101040

Ion Ratio Lower Upper

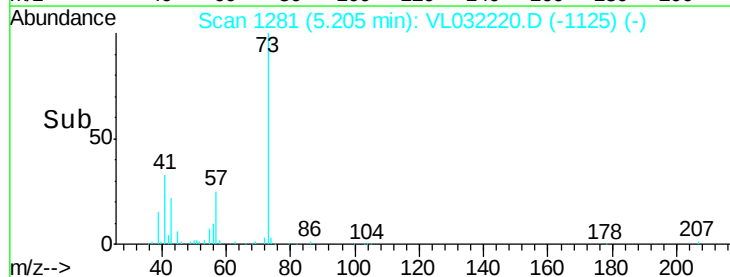
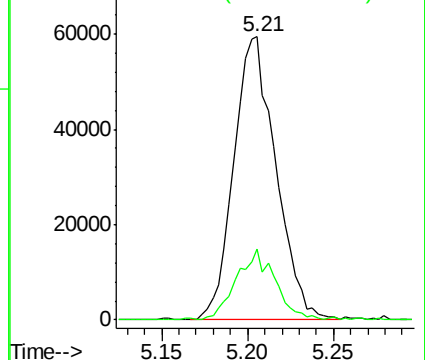
73 100

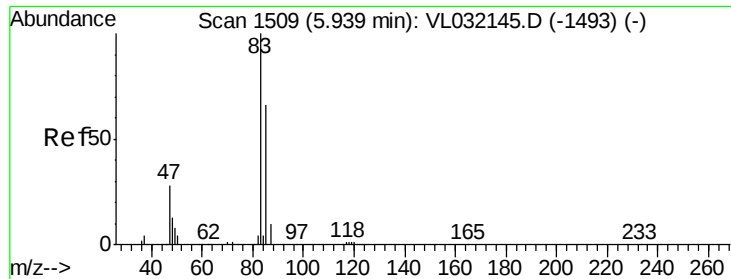
57 23.2 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

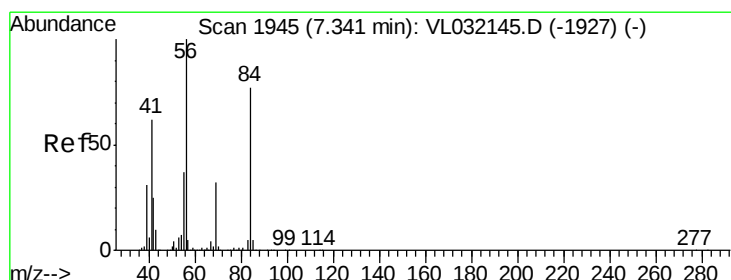
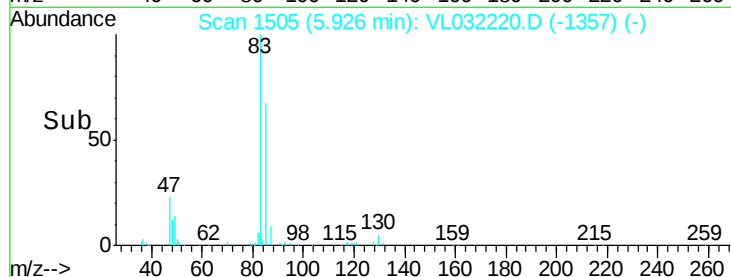
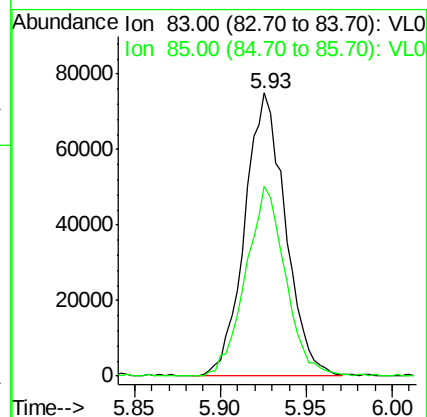
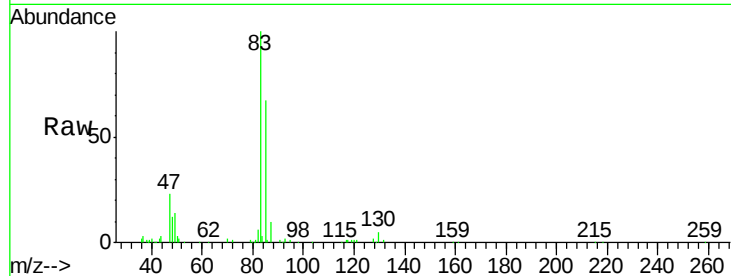




#29
Chloroform
Concen: 0.477 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

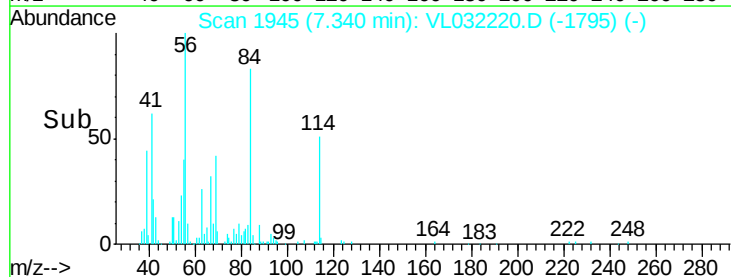
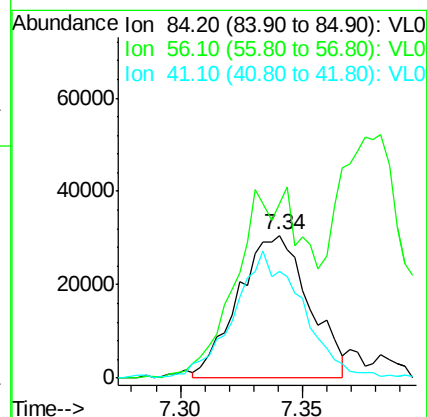
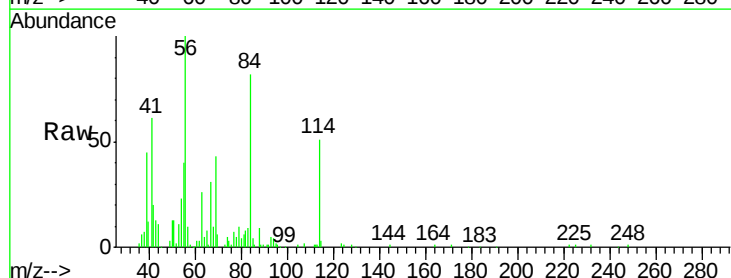
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

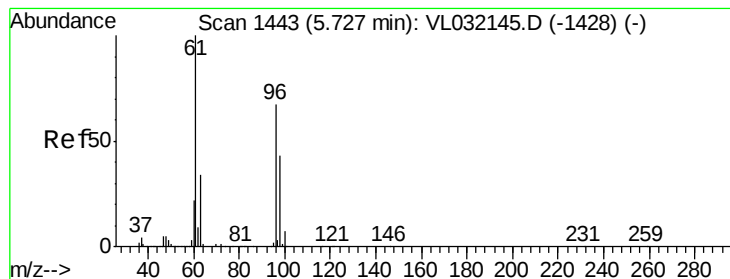
Tgt Ion: 83 Resp: 123181
Ion Ratio Lower Upper
83 100
85 67.2 51.6 77.4



#30
Cyclohexane
Concen: 0.368 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion: 84 Resp: 61546
Ion Ratio Lower Upper
84 100
56 138.5 109.1 163.7
41 87.1 64.6 96.8





#31

cis-1,2-Dichloroethene

Concen: 0.380 ppbv

RT: 5.72 min Scan# 1442

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

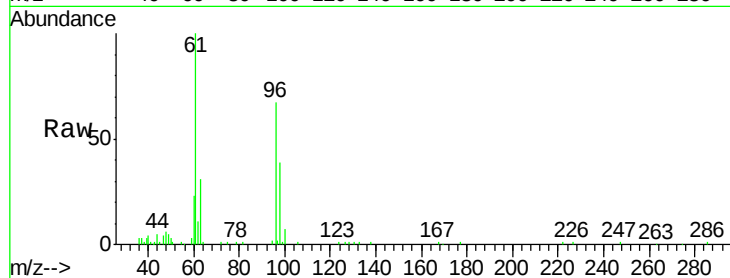
Tgt Ion: 61 Resp: 67379

Ion Ratio Lower Upper

61 100

96 66.6 54.2 81.4

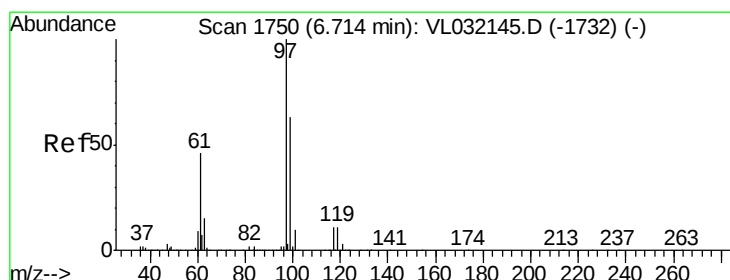
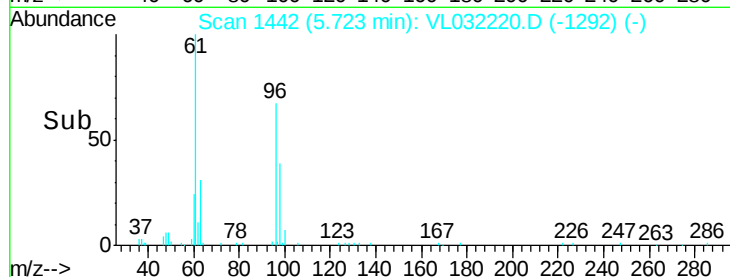
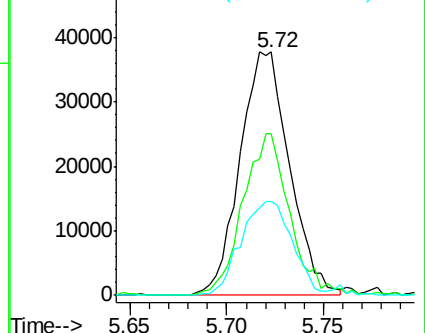
98 38.6 34.6 52.0



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.424 ppbv

RT: 6.70 min Scan# 1747

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

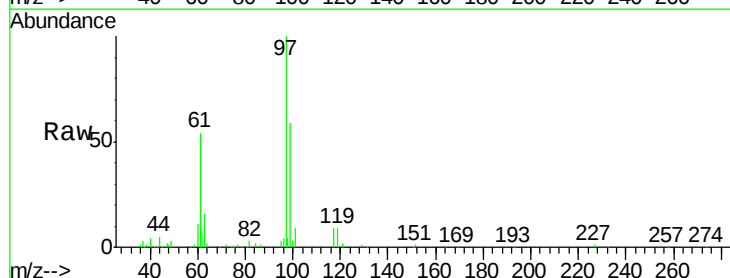
Tgt Ion: 97 Resp: 114811

Ion Ratio Lower Upper

97 100

99 66.4 51.3 76.9

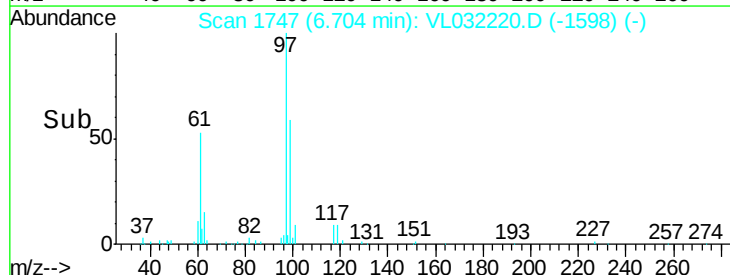
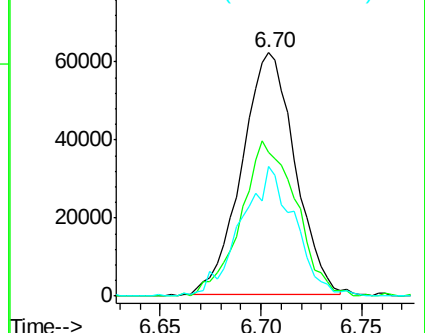
61 54.2 38.4 57.6

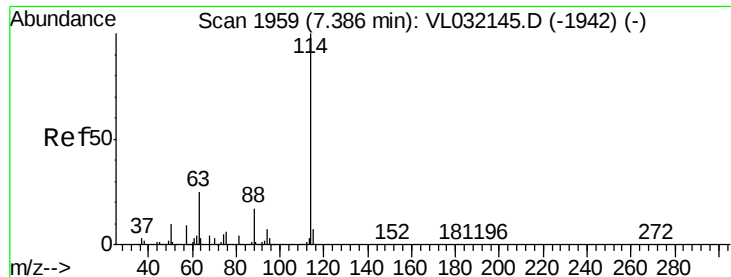


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

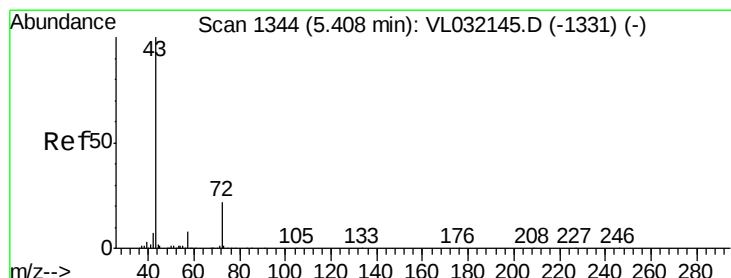
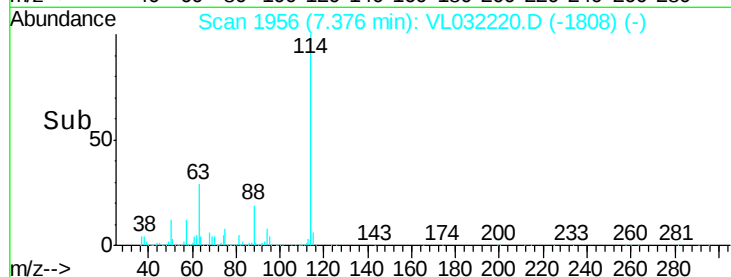
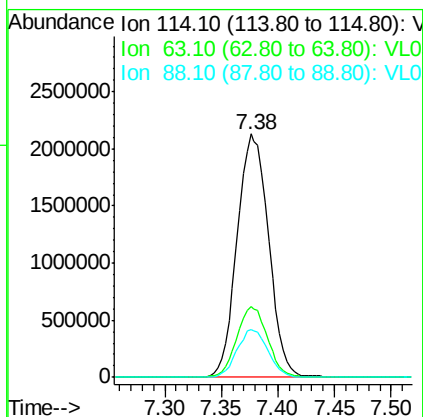
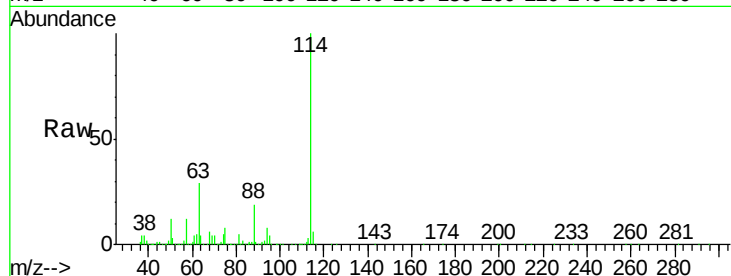




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

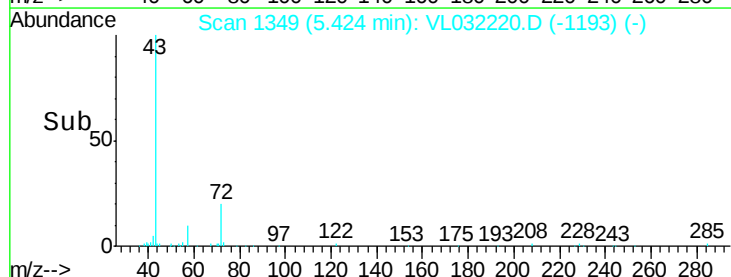
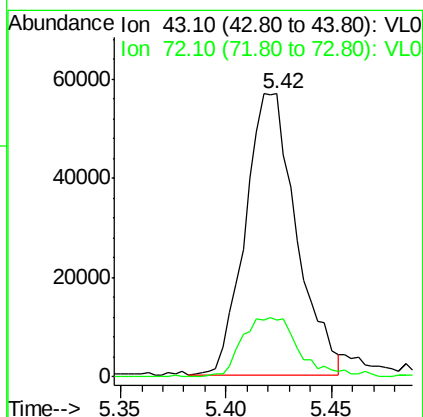
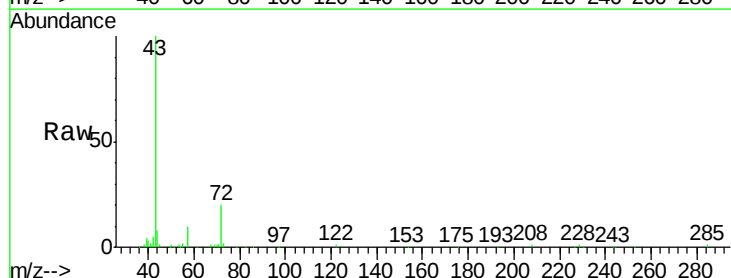
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

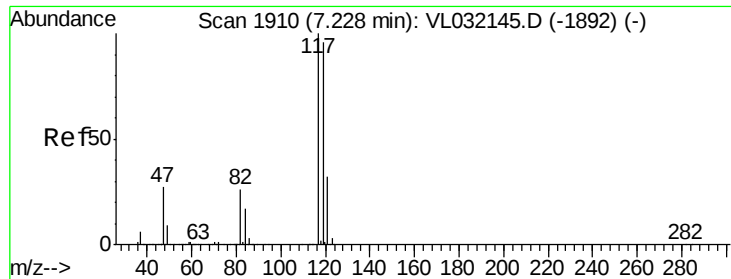
Tgt Ion:114 Resp: 4146441
 Ion Ratio Lower Upper
 114 100
 63 28.4 19.1 28.7
 88 19.2 13.9 20.9



#34
 2-Butanone
 Concen: 0.364 ppbv
 RT: 5.42 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 43 Resp: 95767
 Ion Ratio Lower Upper
 43 100
 72 24.5 18.4 27.6

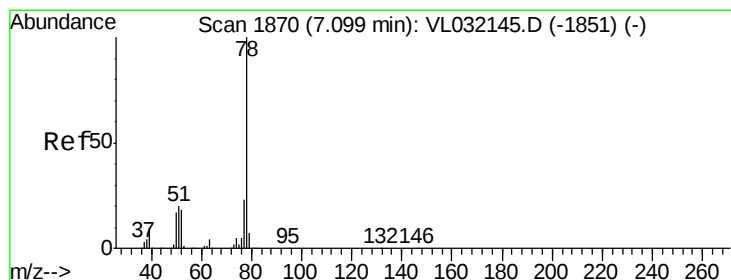
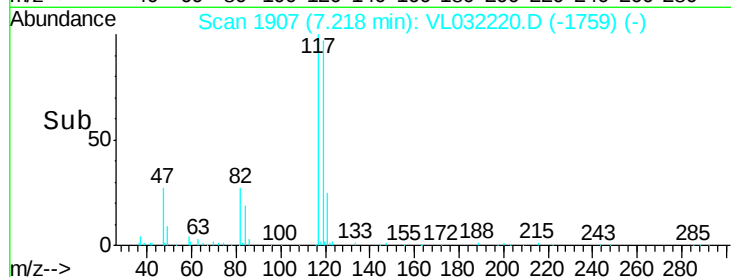
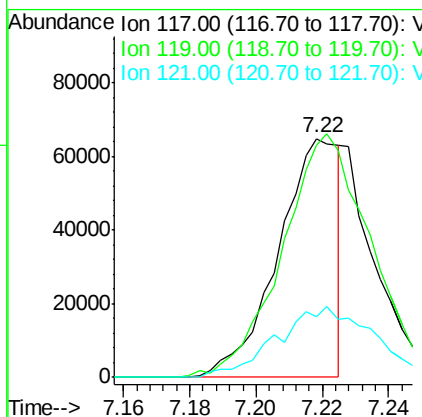
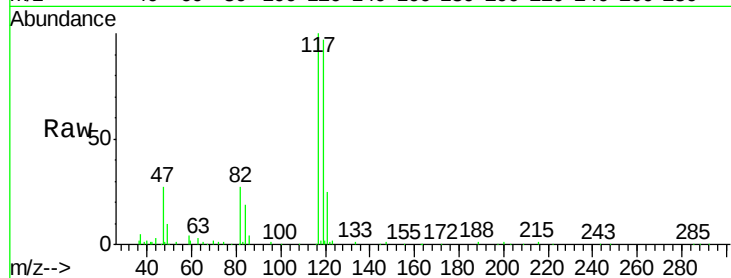




#35
Carbon Tetrachloride
Concen: 0.292 ppbv
RT: 7.22 min Scan# 1907
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

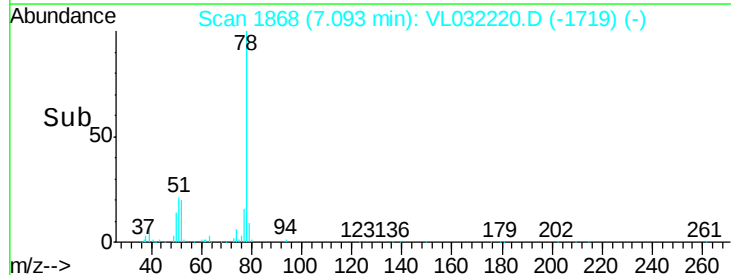
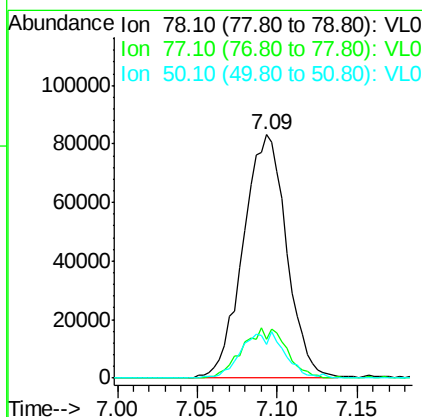
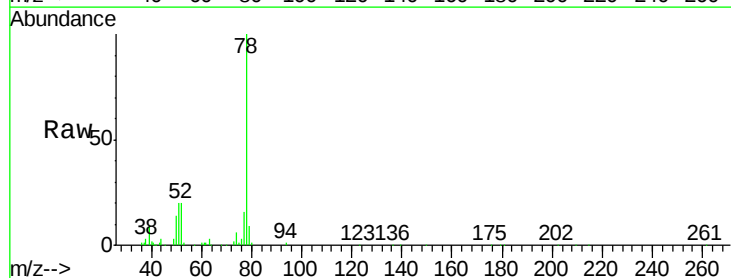
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

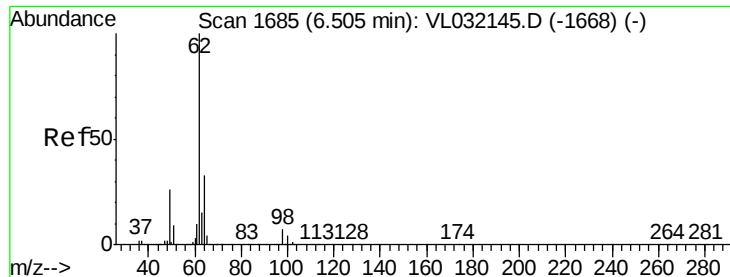
Tgt Ion:117 Resp: 82889
Ion Ratio Lower Upper
117 100
119 96.6 74.8 112.2
121 25.1 24.0 36.0



#36
Benzene
Concen: 0.385 ppbv
RT: 7.09 min Scan# 1868
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion: 78 Resp: 154593
Ion Ratio Lower Upper
78 100
77 16.1 17.7 26.5#
50 13.7 14.0 21.0#

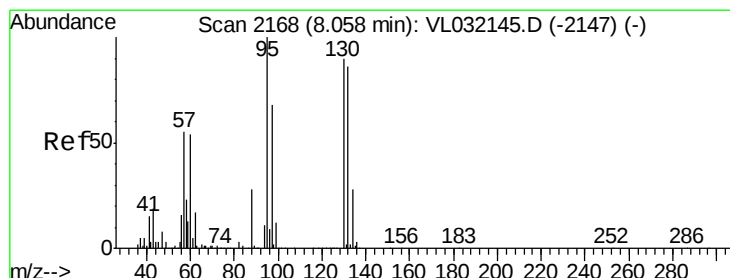
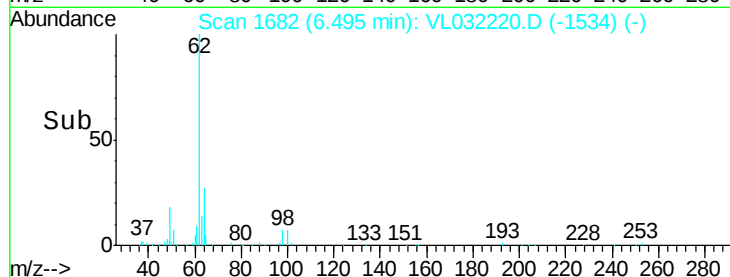
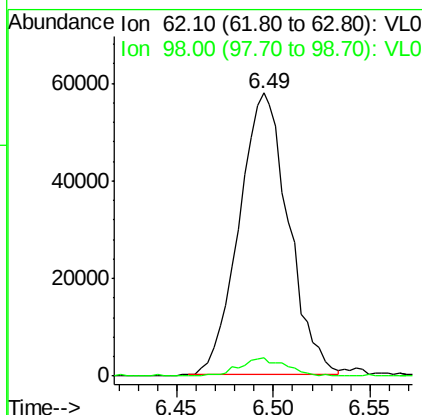
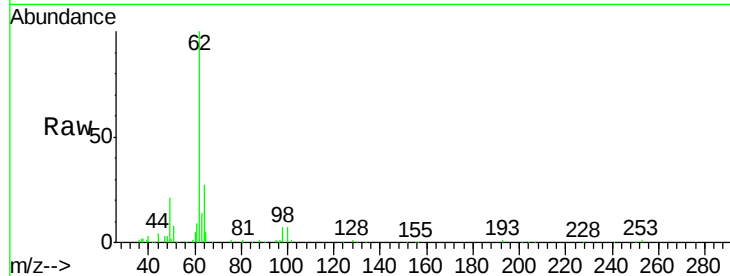




#37
 1,2-Dichloroethane
 Concen: 0.510 ppbv
 RT: 6.49 min Scan# 1682
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

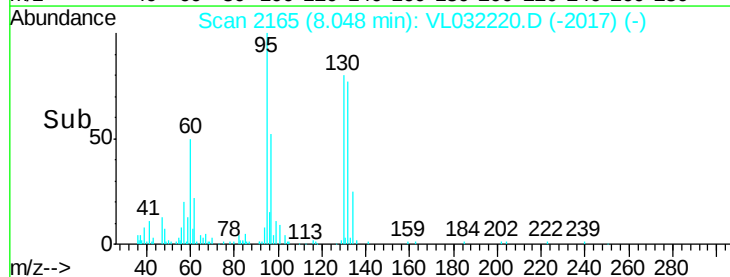
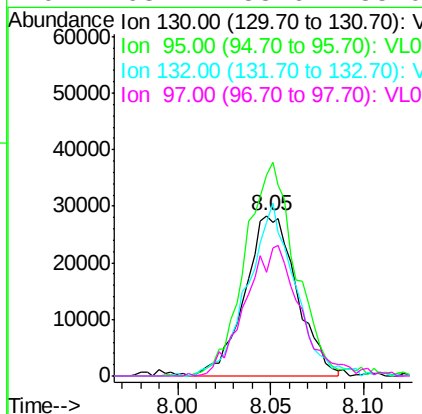
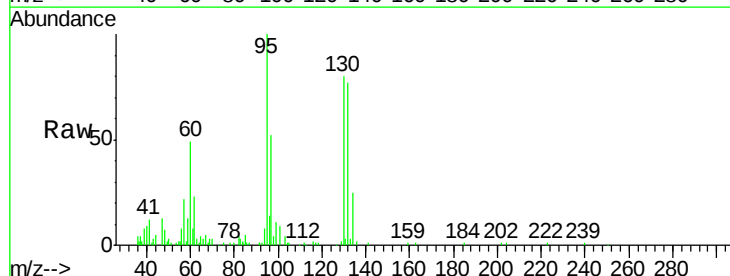
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

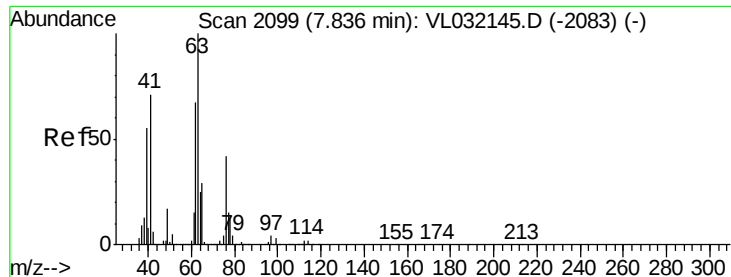
Tgt Ion: 62 Resp: 102042
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.8 8.6



#38
 Trichloroethene
 Concen: 0.351 ppbv
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 130 Resp: 55024
 Ion Ratio Lower Upper
 130 100
 95 125.1 88.1 132.1
 132 95.9 74.6 112.0
 97 63.2 58.6 88.0

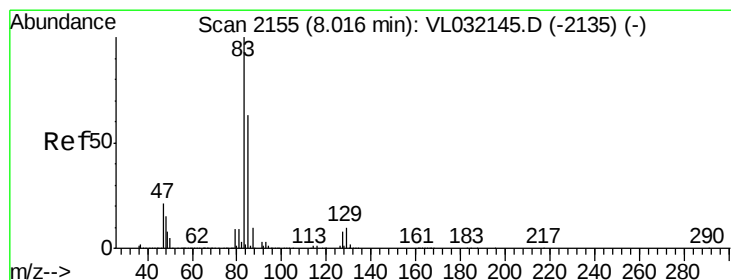
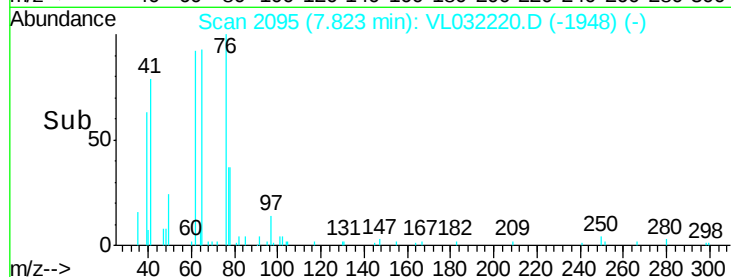
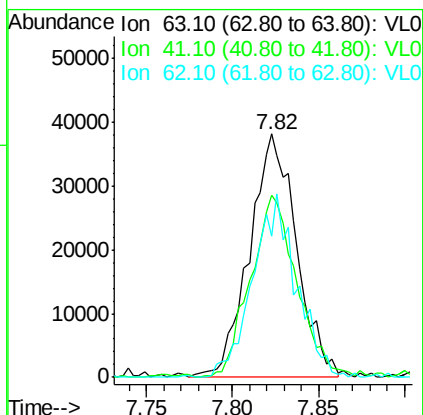
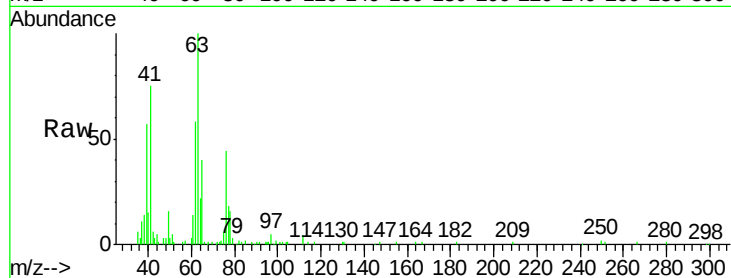




#39
 1,2-Dichloropropane
 Concen: 0.458 ppbv
 RT: 7.82 min Scan# 2095
 Delta R.T. -0.03 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

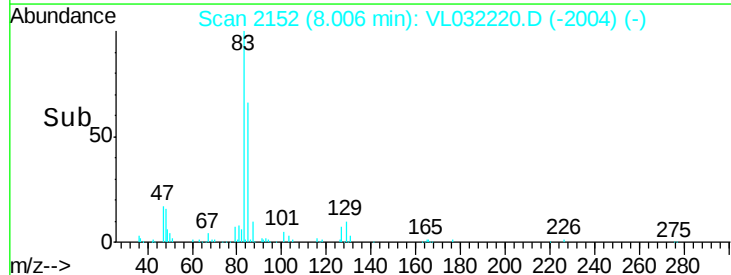
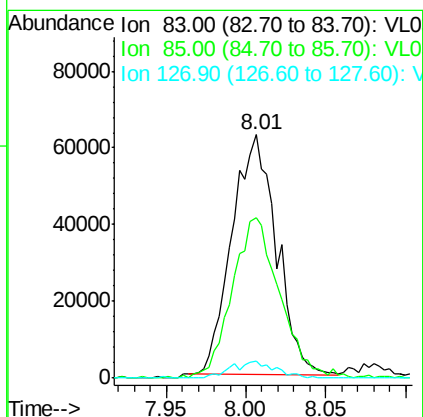
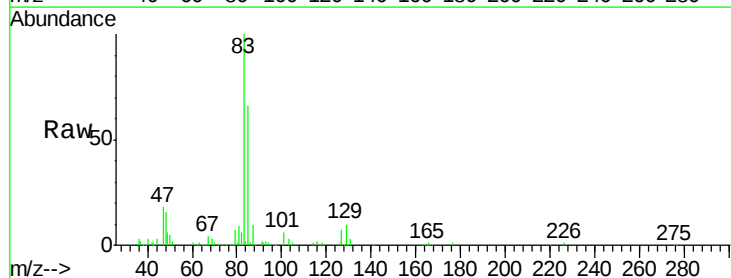
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

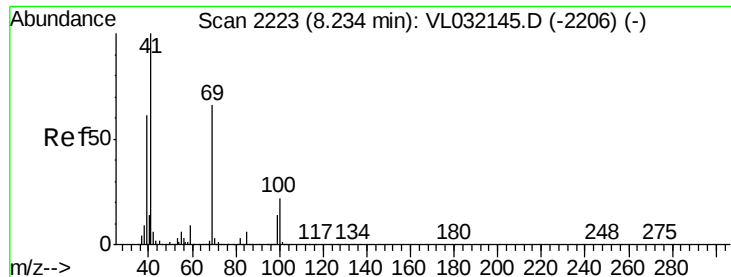
Tgt Ion: 63 Resp: 72413
 Ion Ratio Lower Upper
 63 100
 41 73.7 53.3 79.9
 62 57.6 54.8 82.2



#42
 Bromodichloromethane
 Concen: 0.380 ppbv
 RT: 8.01 min Scan# 2152
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 83 Resp: 119118
 Ion Ratio Lower Upper
 83 100
 85 66.3 52.6 79.0
 127 7.2 6.5 9.7

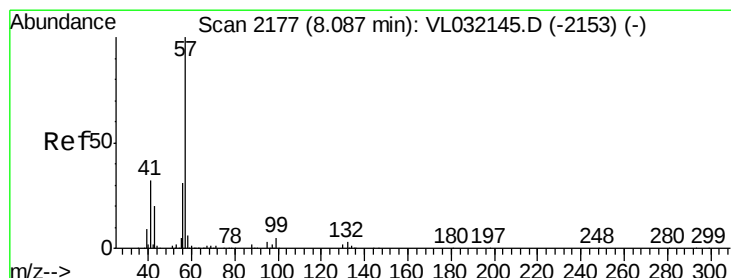
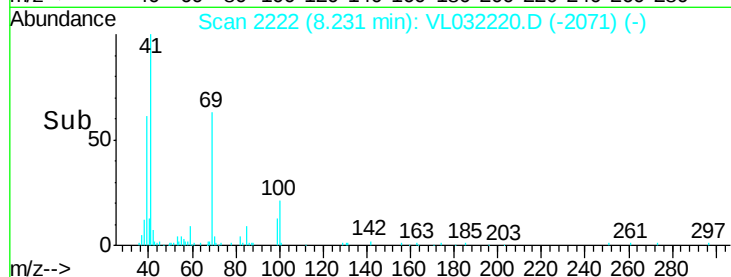
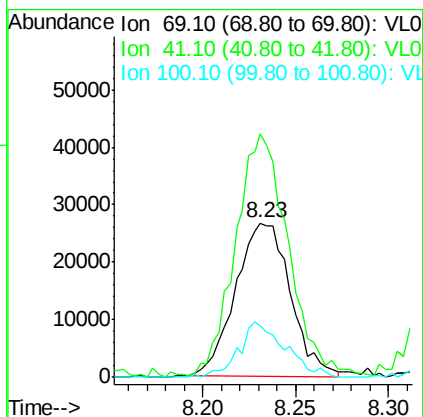
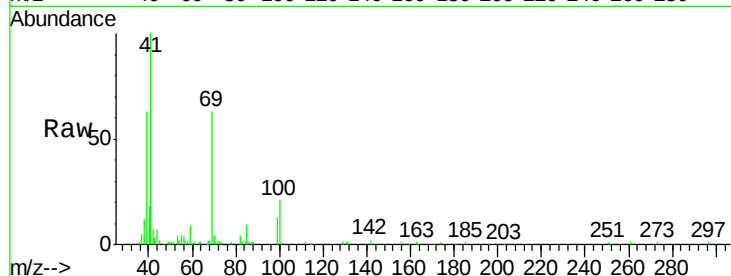




#43
Methyl Methacrylate
Concen: 0.331 ppbv
RT: 8.23 min Scan# 2222
Delta R.T. -0.01 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

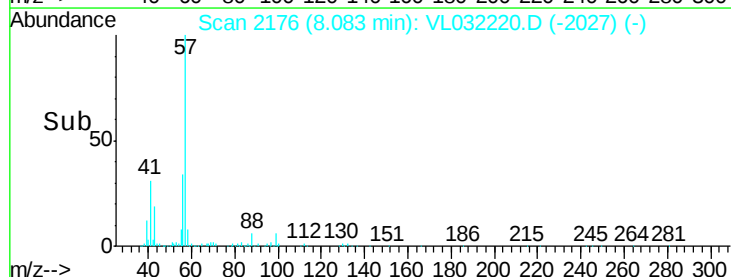
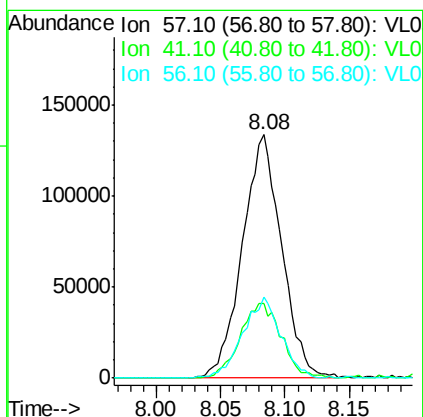
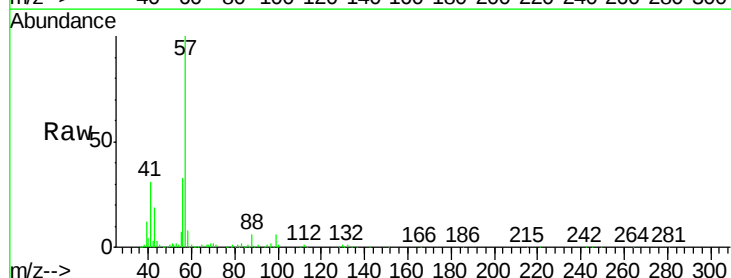
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

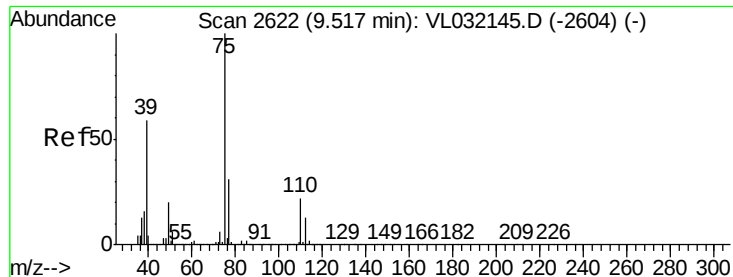
Tgt Ion: 69 Resp: 55025
Ion Ratio Lower Upper
69 100
41 150.4 118.2 177.4
100 30.7 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 0.403 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion: 57 Resp: 282925
Ion Ratio Lower Upper
57 100
41 32.6 24.3 36.5
56 32.5 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.244 ppbv

RT: 9.50 min Scan# 2618

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

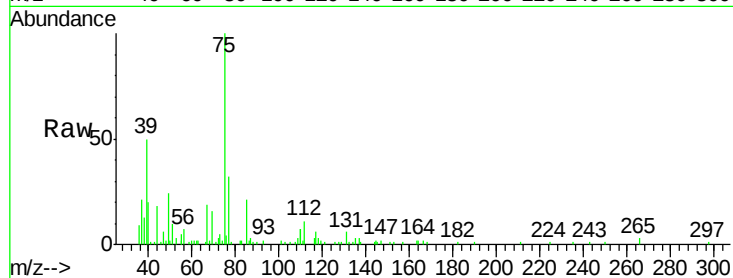
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 75 Resp: 50291

Ion Ratio Lower Upper

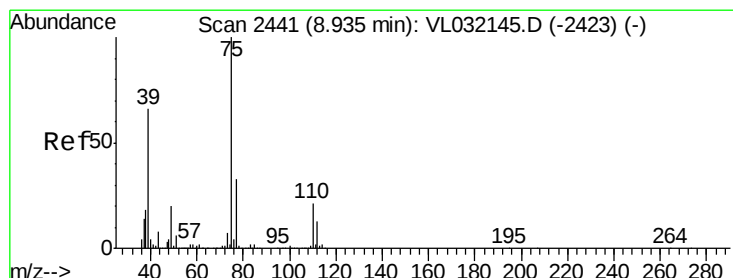
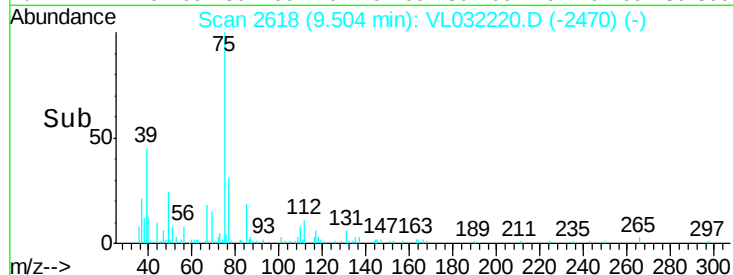
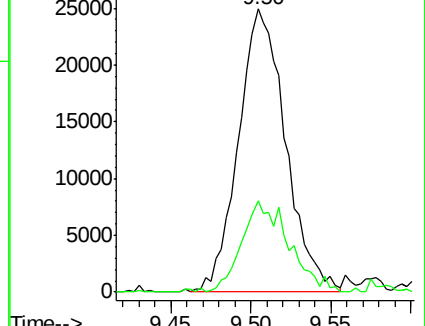
75 100

77 30.9 25.6 38.4



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: 0.155 ppbv

RT: 8.93 min Scan# 2438

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

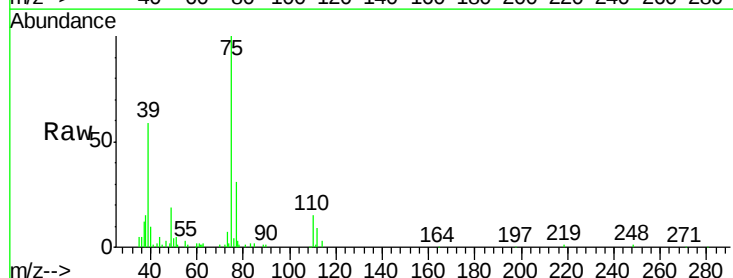
Tgt Ion: 75 Resp: 38224

Ion Ratio Lower Upper

75 100

39 55.7 51.9 77.9

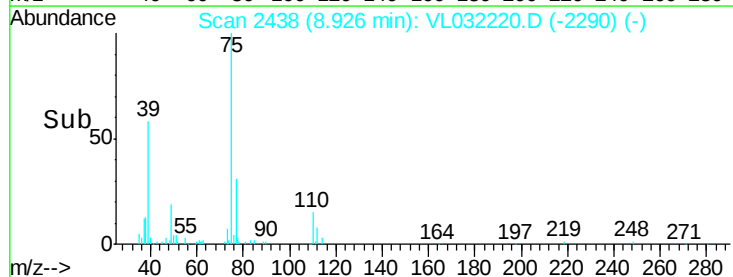
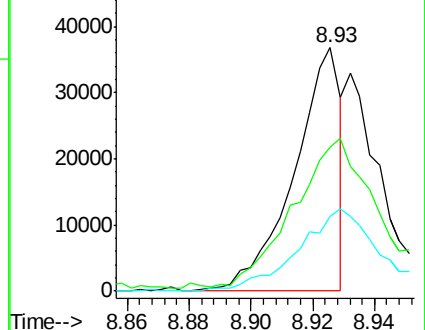
77 30.8 24.3 36.5

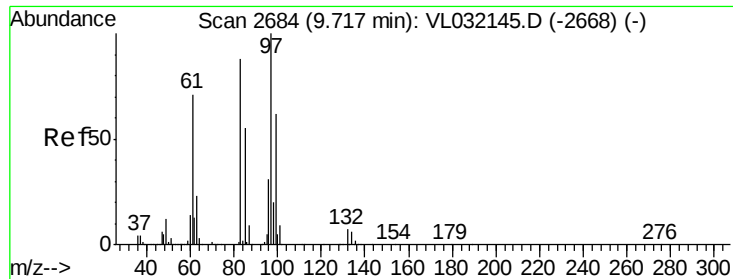


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

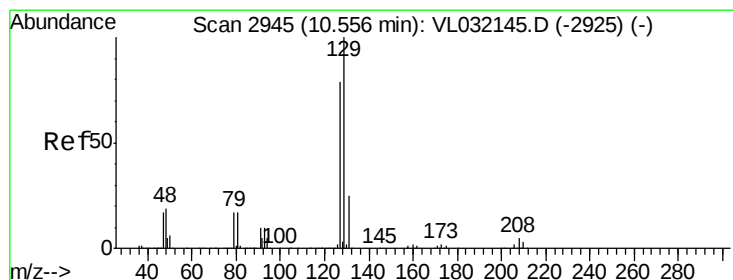
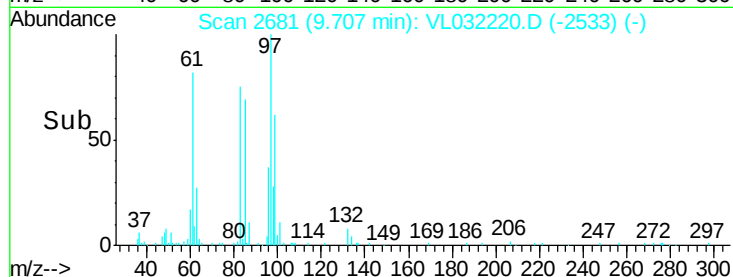
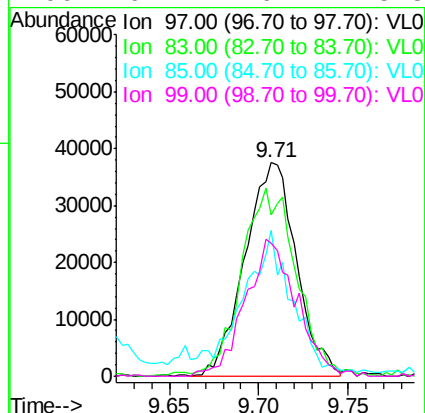
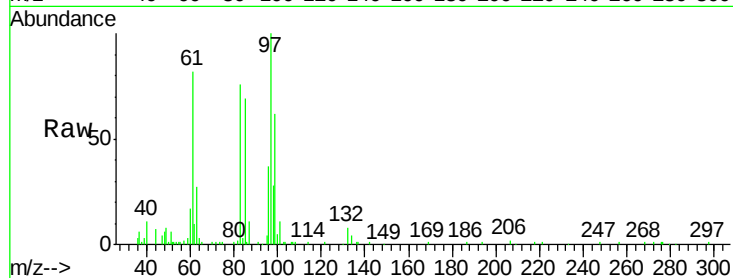




#47
 1,1,2-Trichloroethane
 Concen: 0.459 ppbv
 RT: 9.71 min Scan# 2681
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

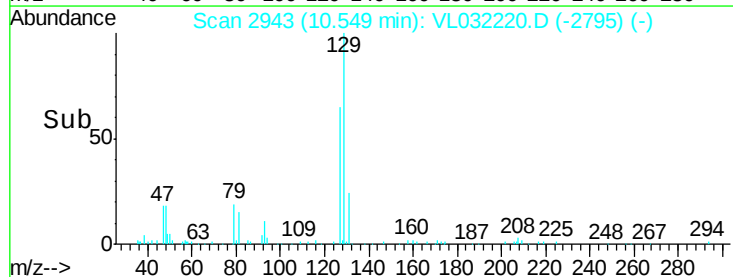
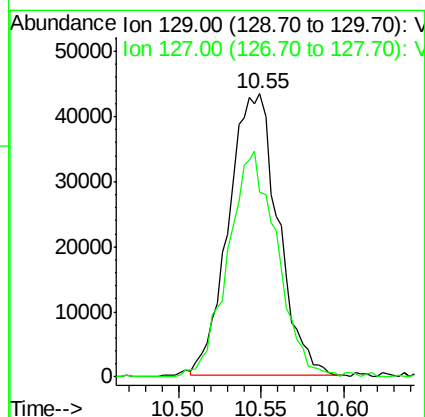
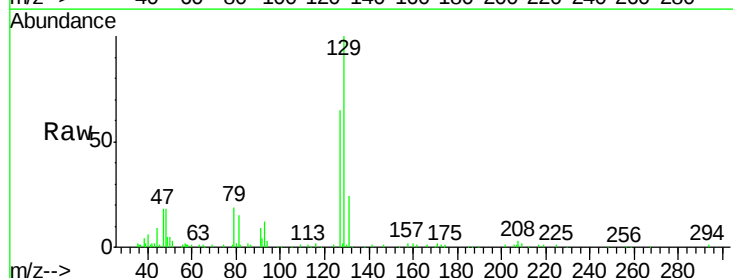
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

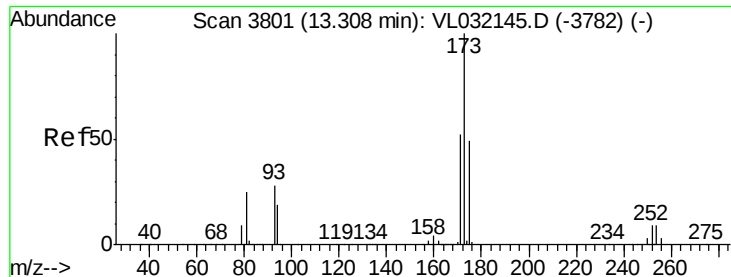
Tgt Ion: 97 Resp: 75568
 Ion Ratio Lower Upper
 97 100
 83 74.8 71.0 106.4
 85 65.6 44.2 66.4
 99 62.1 49.2 73.8



#48
 Dibromochloromethane
 Concen: 0.352 ppbv
 RT: 10.55 min Scan# 2943
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 129 Resp: 89684
 Ion Ratio Lower Upper
 129 100
 127 79.9 39.1 117.5





#49

Bromoform

Concen: 0.159 ppbv

RT: 13.29 min Scan# 3796

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

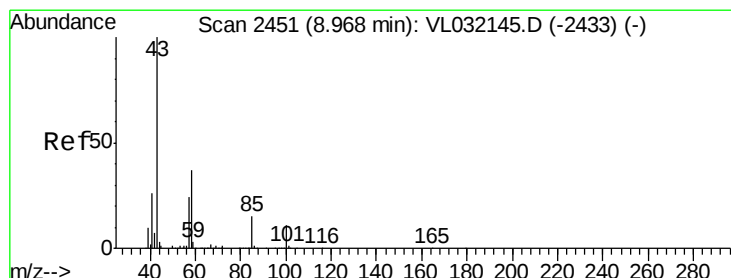
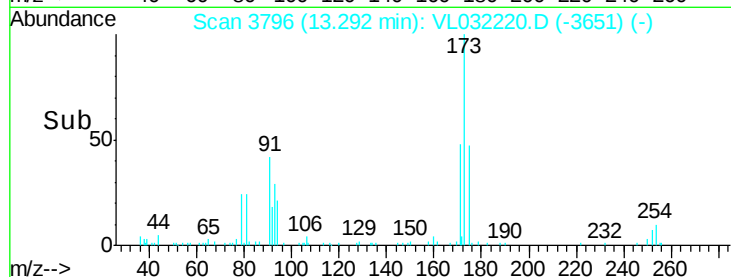
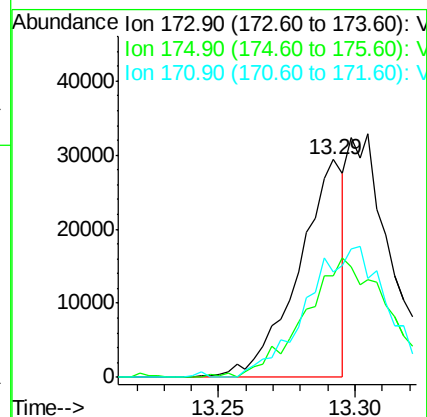
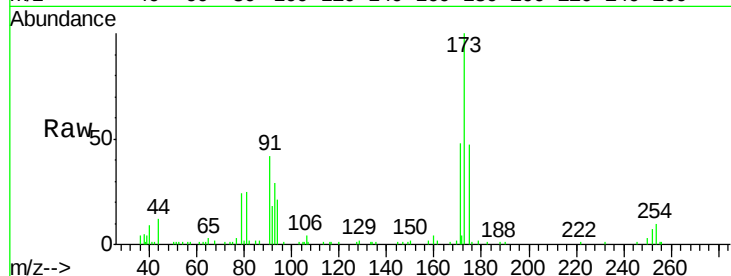
Tgt Ion:173 Resp: 33840

Ion Ratio Lower Upper

173 100

175 104.4 39.4 59.0#

171 0.0 41.8 62.8#



#50

4-Methyl-2-Pentanone

Concen: 0.222 ppbv

RT: 8.98 min Scan# 2455

Delta R.T. -0.00 min

Lab File: VL032220.D

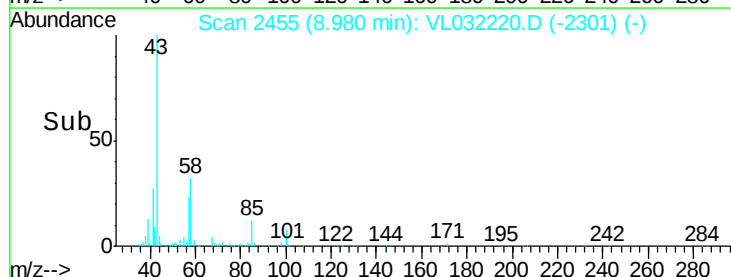
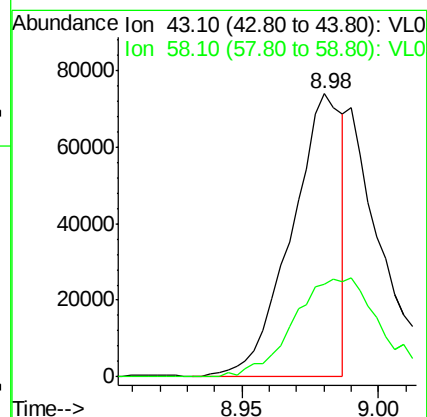
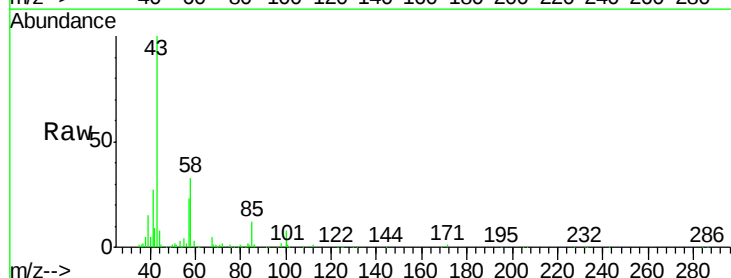
Acq: 6 Jul 2018 1:53

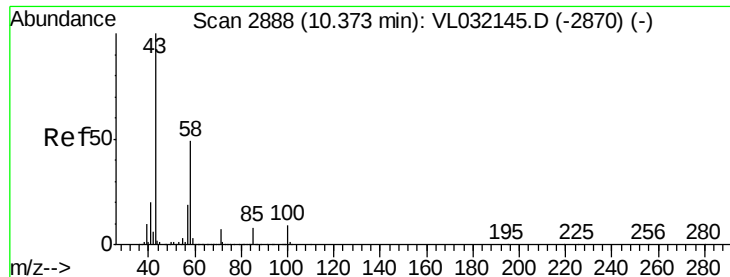
Tgt Ion: 43 Resp: 95741

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#





#51

2-Hexanone

Concen: 0.355 ppbv

RT: 10.39 min Scan# 2893

Delta R.T. 0.00 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

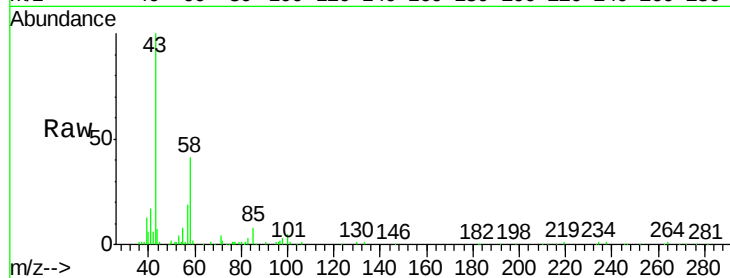
Tgt Ion: 43 Resp: 127024

Ion Ratio Lower Upper

43 100

58 46.7 40.6 60.8

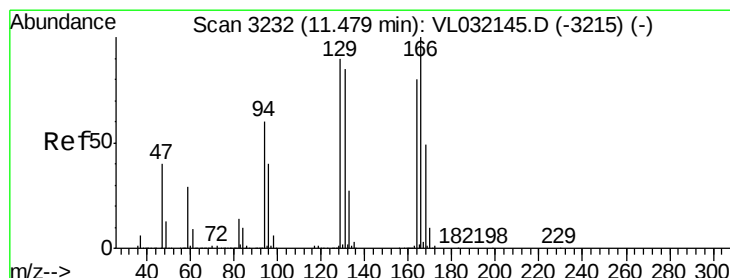
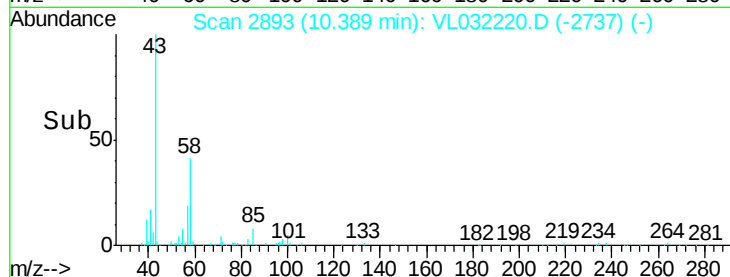
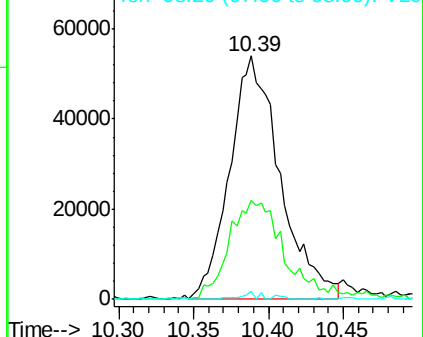
98 1.4 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.174 ppbv

RT: 11.46 min Scan# 3227

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Tgt Ion: 164 Resp: 25407

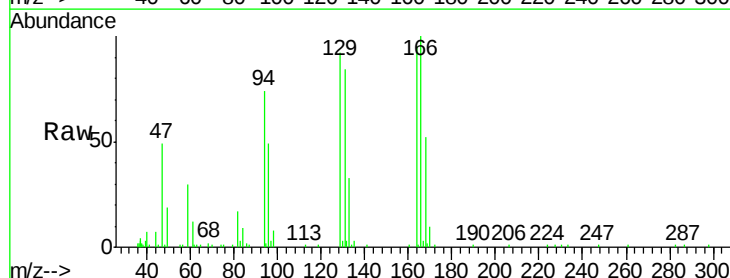
Ion Ratio Lower Upper

164 100

166 105.7 100.6 151.0

129 98.6 84.0 126.0

131 85.3 82.7 124.1

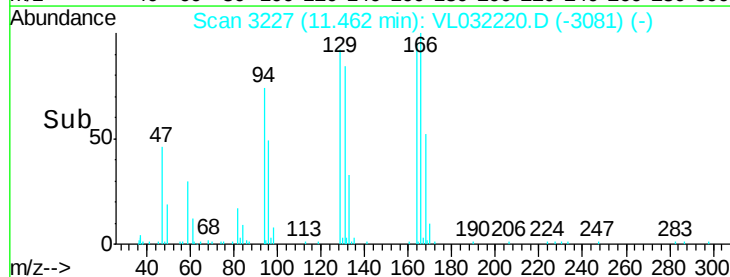
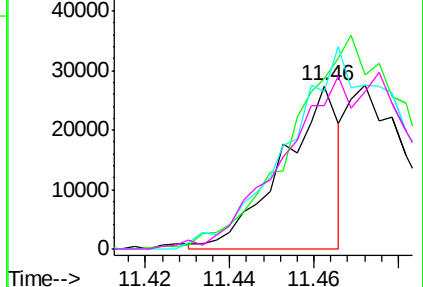


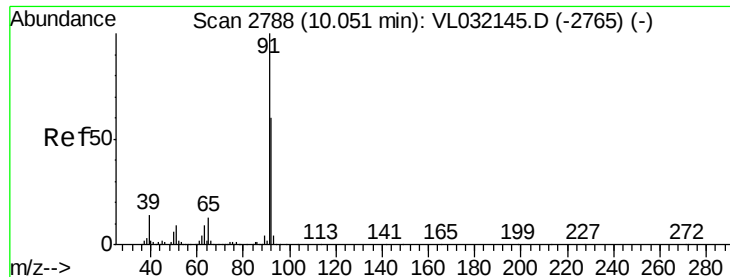
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.321 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

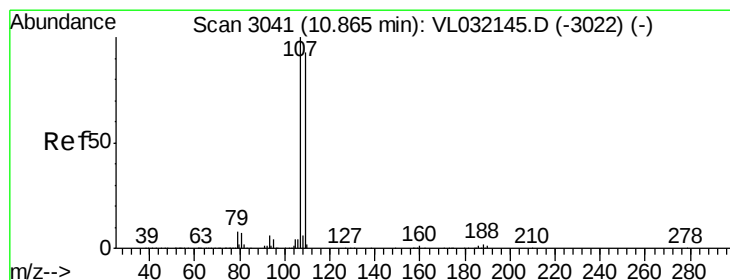
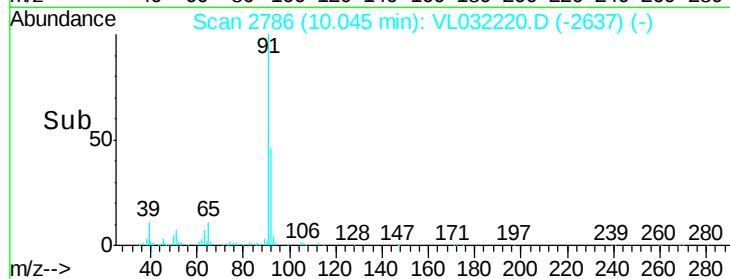
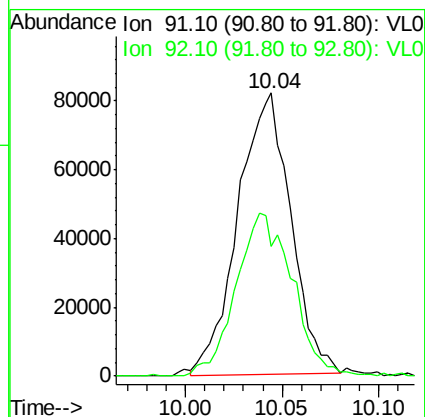
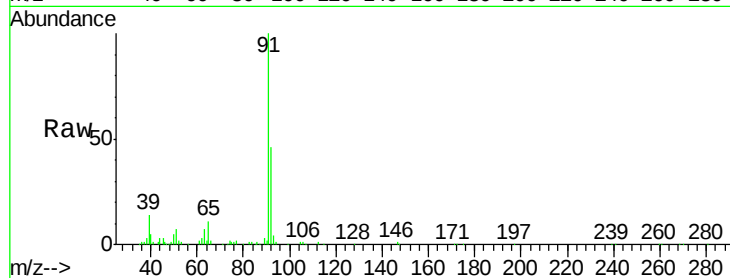
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 91 Resp: 155620

Ion Ratio Lower Upper

91 100

92 62.2 49.2 73.8



#54

1,2-Dibromoethane

Concen: 0.429 ppbv

RT: 10.85 min Scan# 3038

Delta R.T. -0.02 min

Lab File: VL032220.D

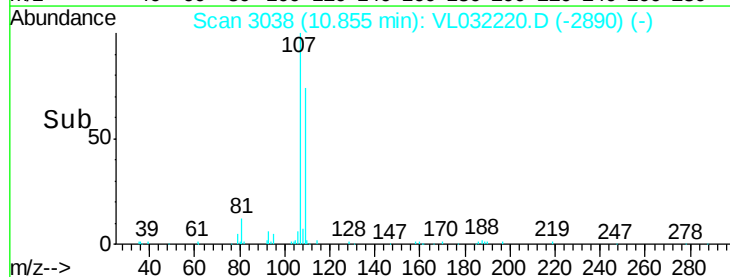
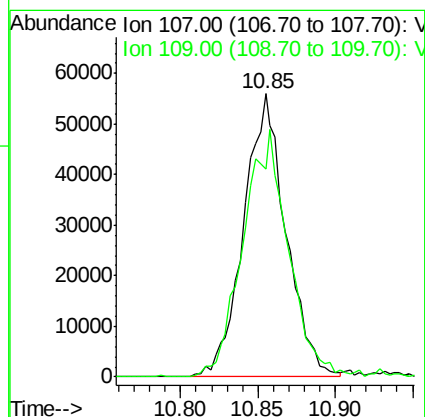
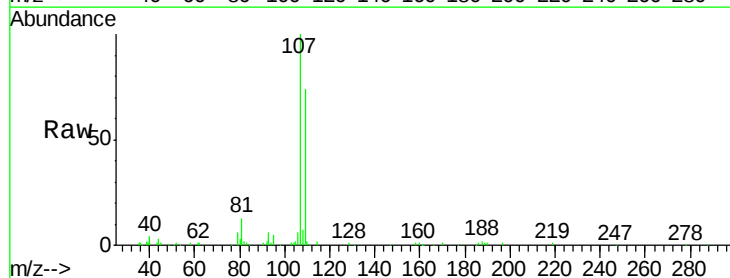
Acq: 6 Jul 2018 1:53

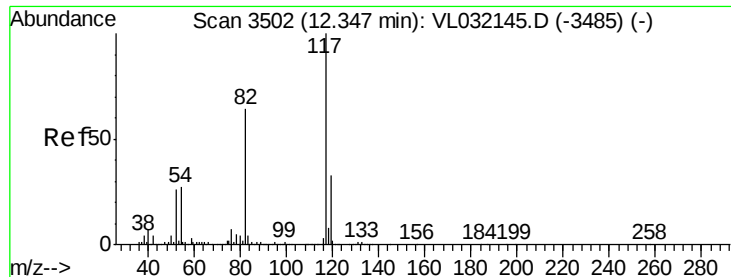
Tgt Ion: 107 Resp: 106187

Ion Ratio Lower Upper

107 100

109 73.5 75.0 112.4#

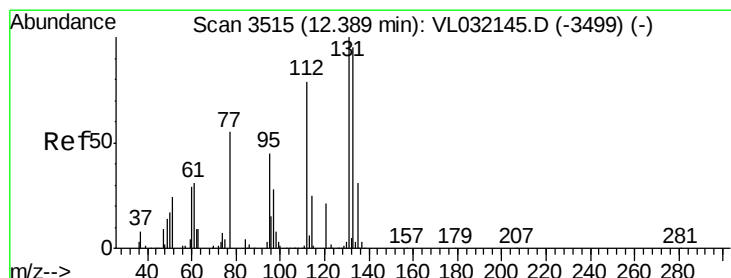
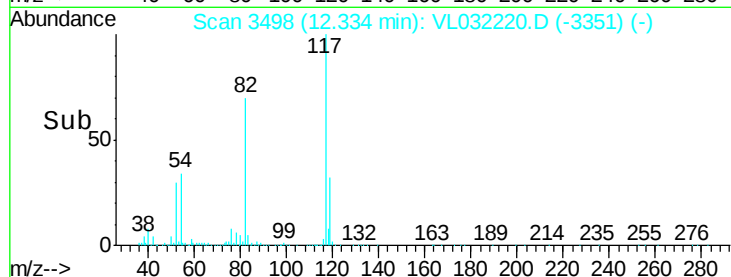
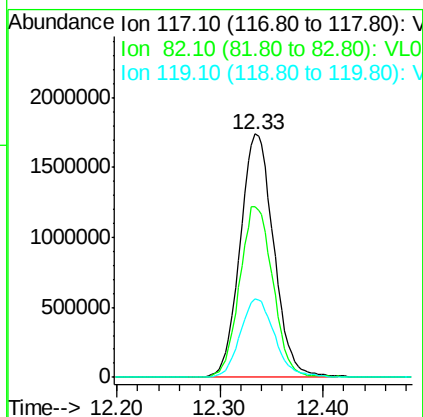
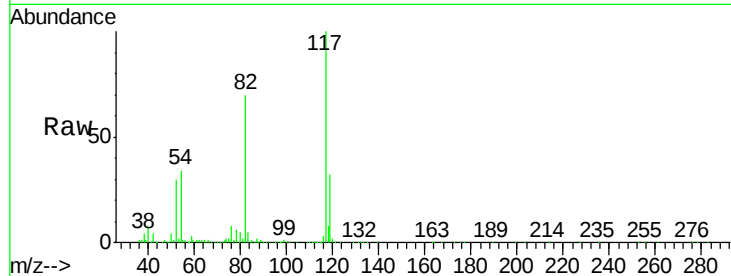




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.03 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

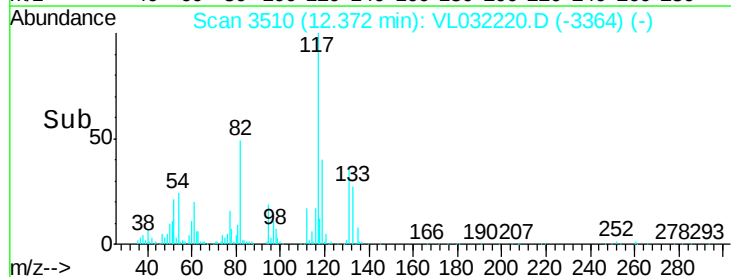
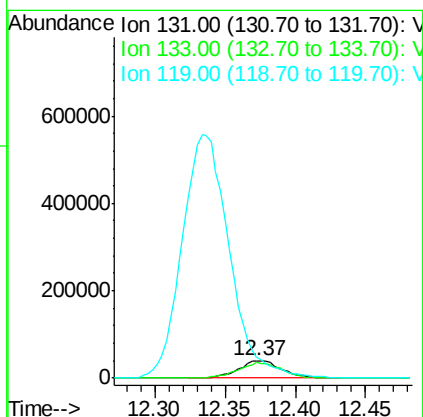
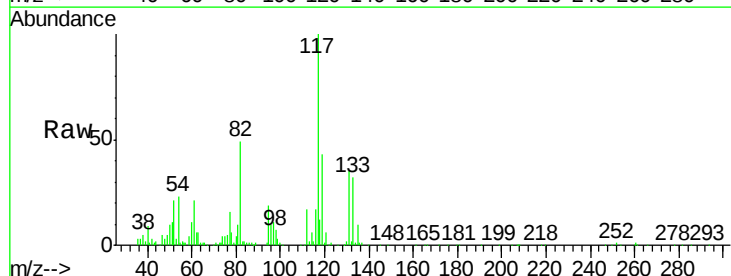
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

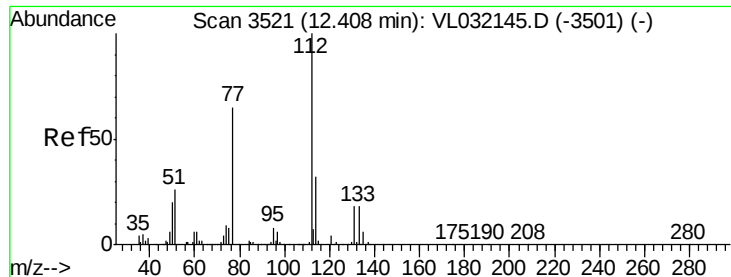
Tgt Ion:117 Resp: 3942063
Ion Ratio Lower Upper
117 100
82 69.9 47.8 71.8
119 33.2 43.3 64.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.486 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.03 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion:131 Resp: 85568
Ion Ratio Lower Upper
131 100
133 89.1 75.5 113.3
119 1532.1 118.4 177.6#

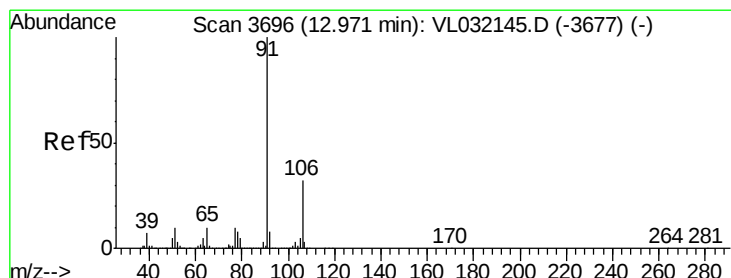
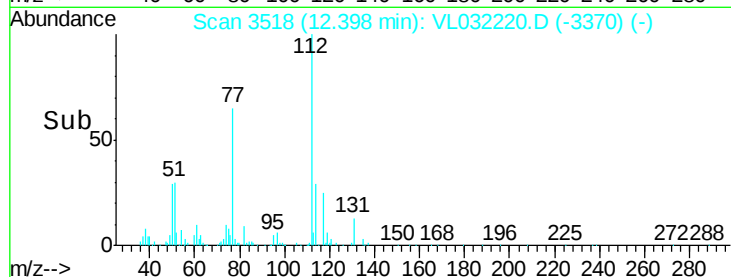
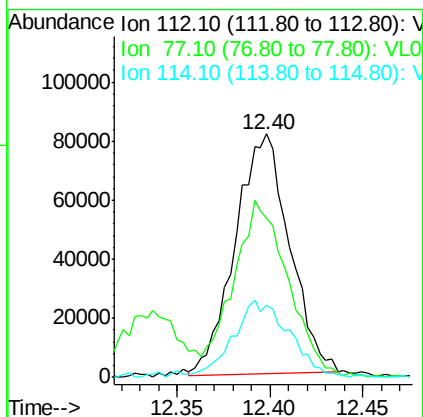
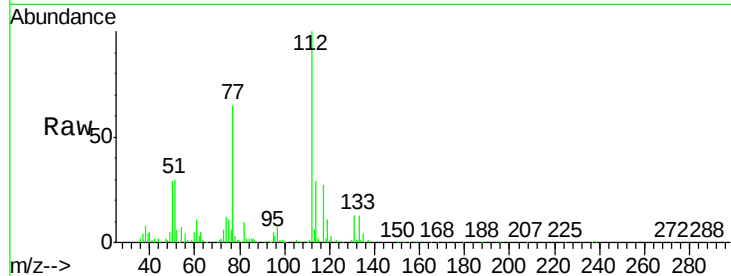




#57
Chlorobenzene
Concen: 0.487 ppbv
RT: 12.40 min Scan# 3518
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

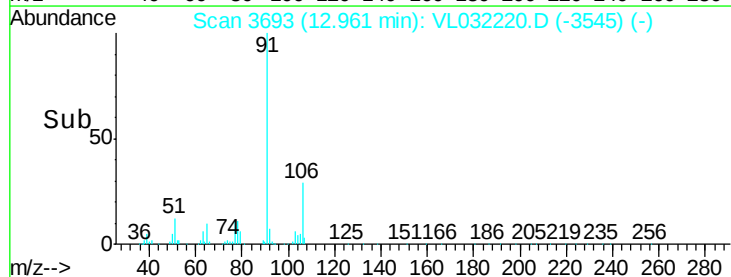
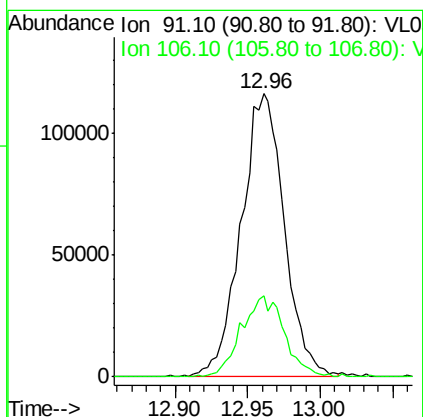
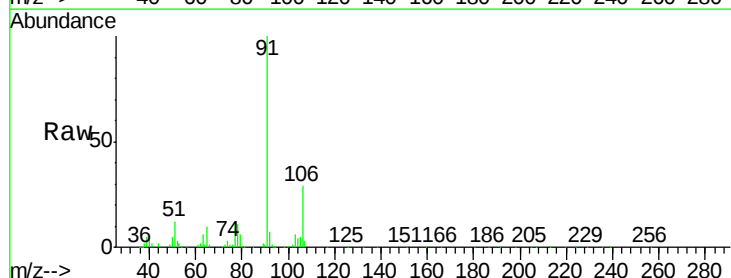
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

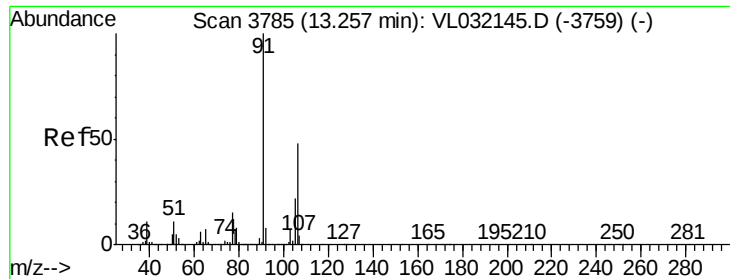
Tgt Ion: 112 Resp: 166089
Ion Ratio Lower Upper
112 100
77 65.1 52.6 78.8
114 28.8 27.9 34.1



#58
Ethyl Benzene
Concen: 0.381 ppbv
RT: 12.96 min Scan# 3693
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion: 91 Resp: 241771
Ion Ratio Lower Upper
91 100
106 28.7 26.5 39.7

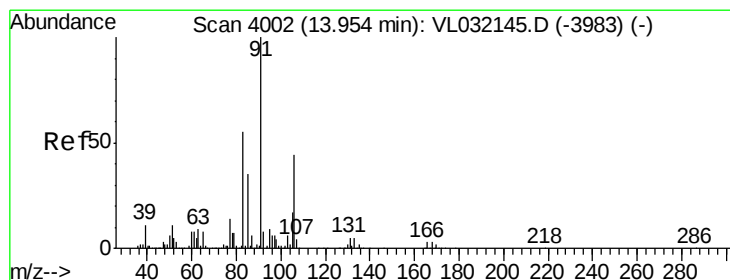
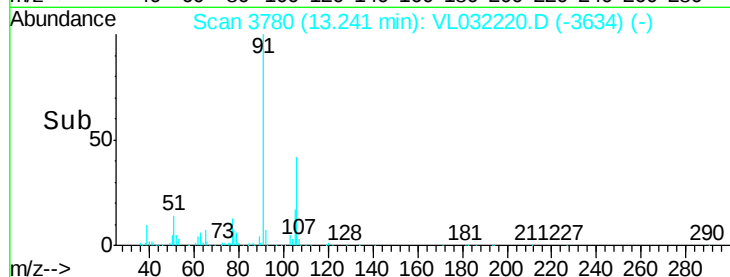
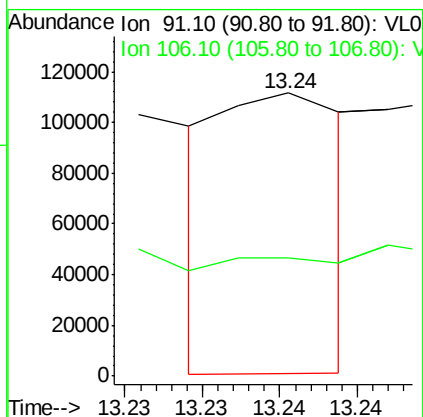
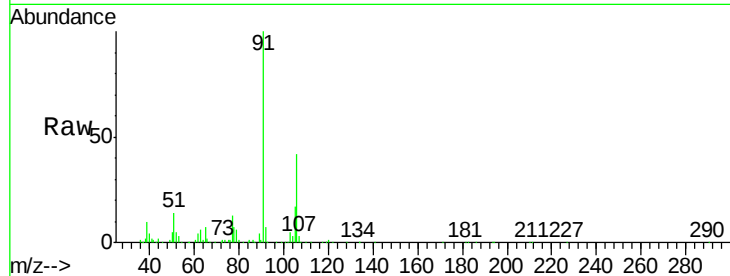




#59
m/p-Xylene
Concen: 0.121 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.03 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

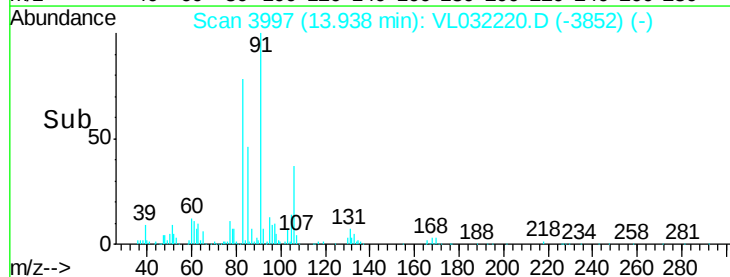
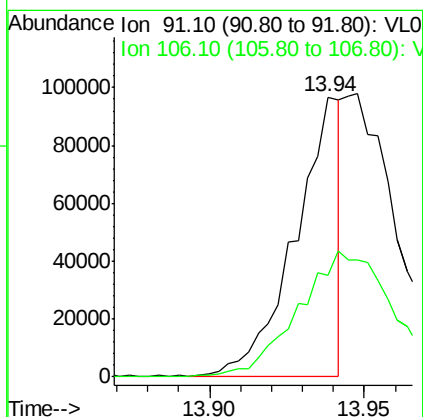
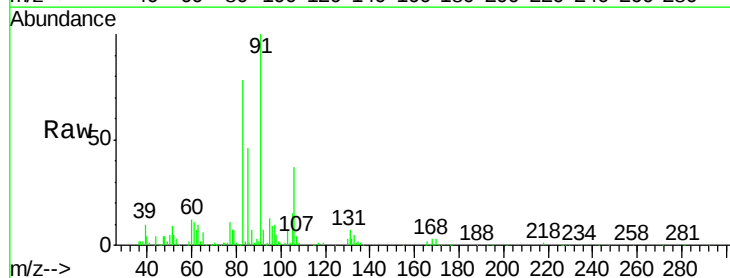
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

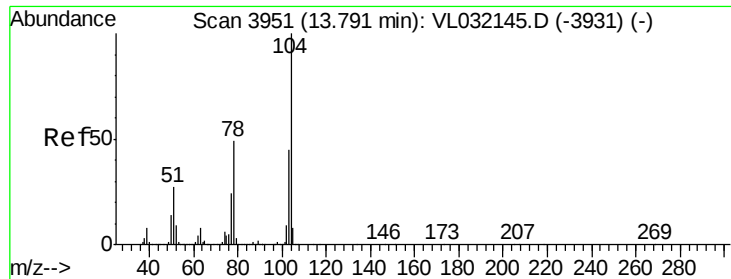
Tgt Ion: 91 Resp: 61523
Ion Ratio Lower Upper
91 100
106 0.0 38.6 58.0#



#60
o-Xylene
Concen: 0.193 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.03 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion: 91 Resp: 98109
Ion Ratio Lower Upper
91 100
106 95.1 23.3 69.8#





#61

Styrene

Concen: 0.188 ppbv

RT: 13.78 min Scan# 3948

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

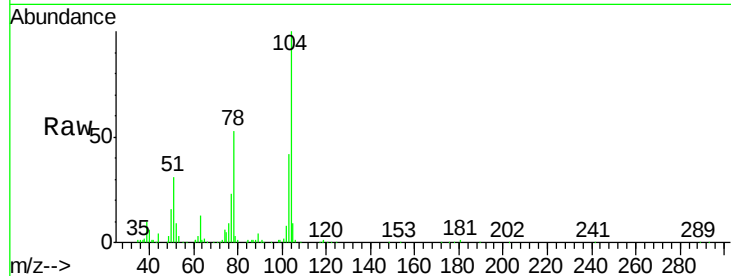
Tgt Ion:104 Resp: 78211

Ion Ratio Lower Upper

104 100

78 90.3 37.9 56.9#

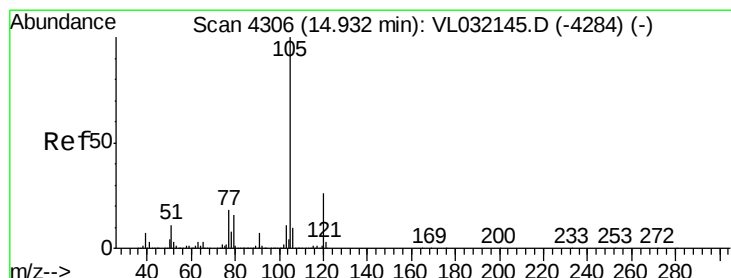
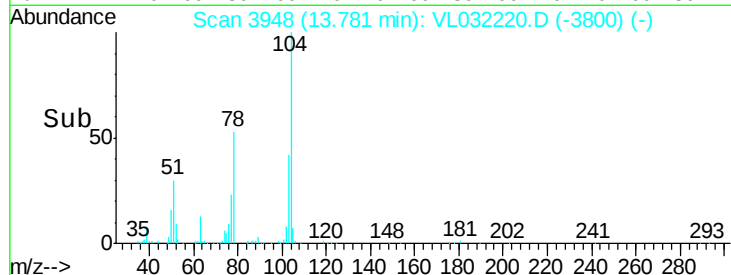
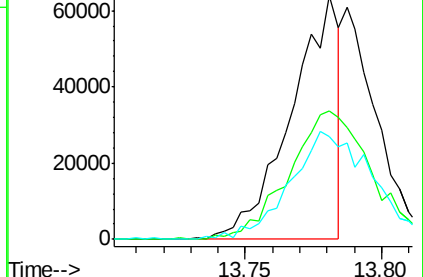
103 76.4 36.6 55.0#



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: 0.370 ppbv

RT: 14.92 min Scan# 4302

Delta R.T. -0.03 min

Lab File: VL032220.D

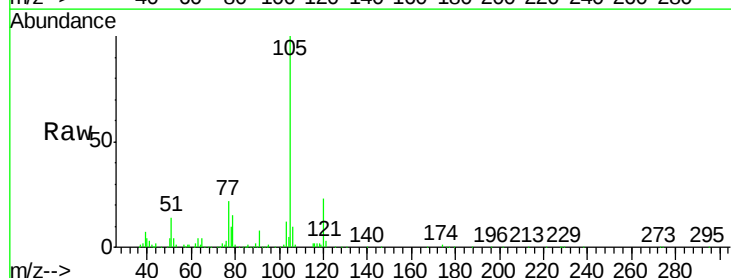
Acq: 6 Jul 2018 1:53

Tgt Ion:105 Resp: 288951

Ion Ratio Lower Upper

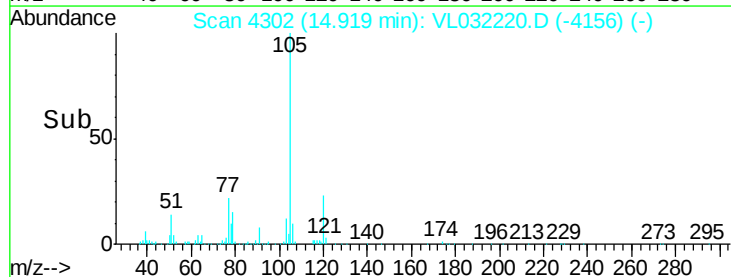
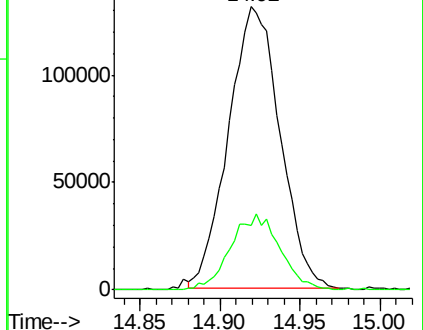
105 100

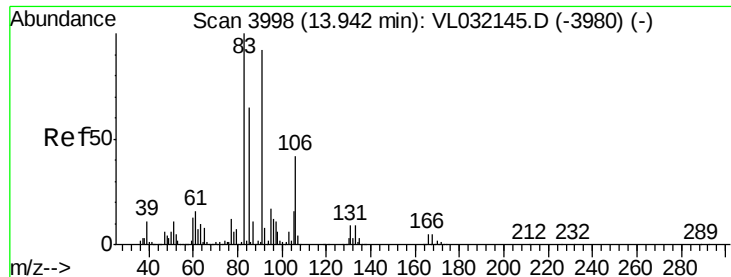
120 25.8 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

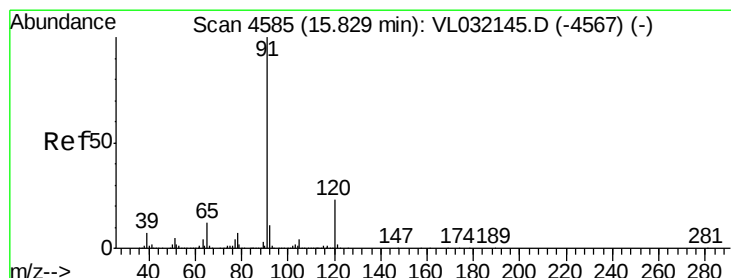
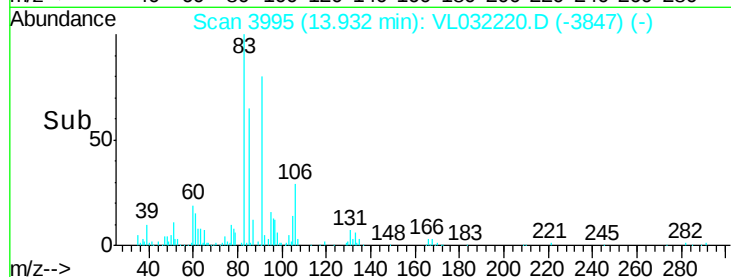
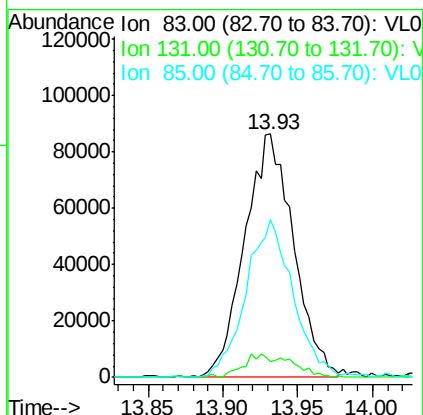
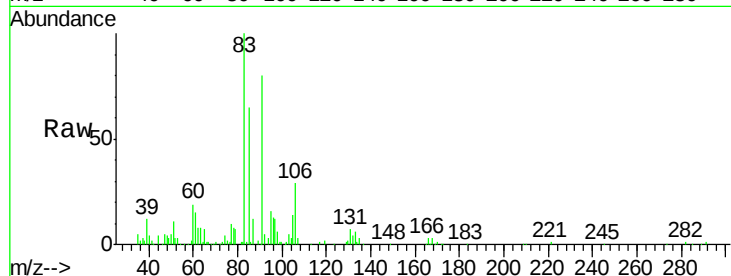




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.498 ppbv
 RT: 13.93 min Scan# 3995
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

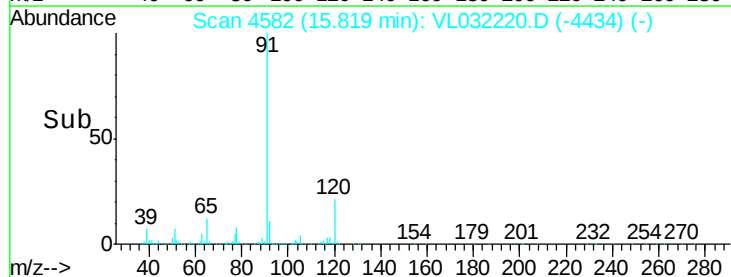
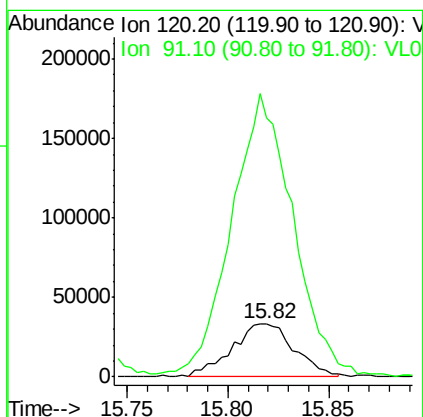
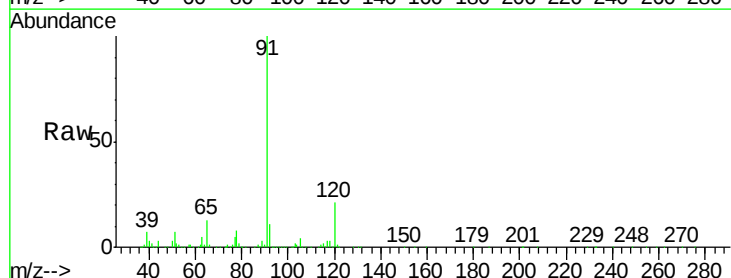
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

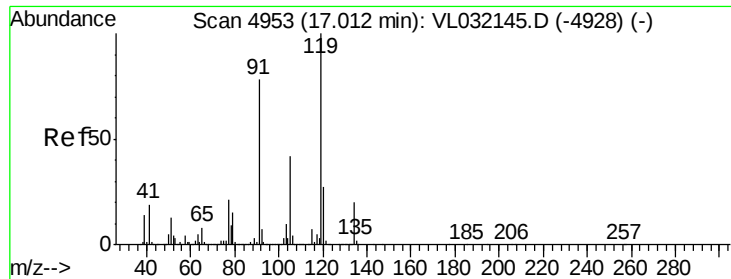
Tgt Ion: 83 Resp: 195788
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.6 13.8
 85 63.1 32.4 97.2



#64
 n-propylbenzene
 Concen: 0.356 ppbv
 RT: 15.82 min Scan# 4582
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 120 Resp: 71900
 Ion Ratio Lower Upper
 120 100
 91 528.5 357.4 536.0

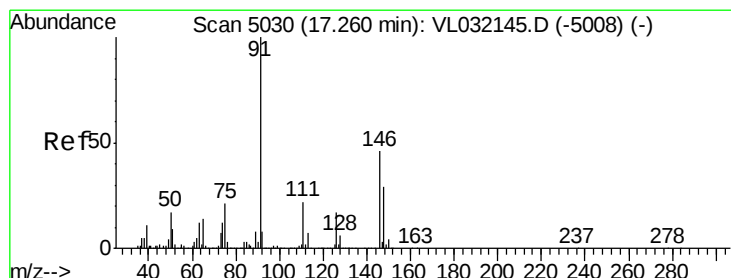
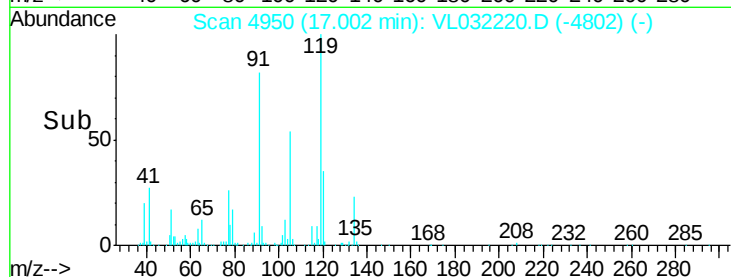
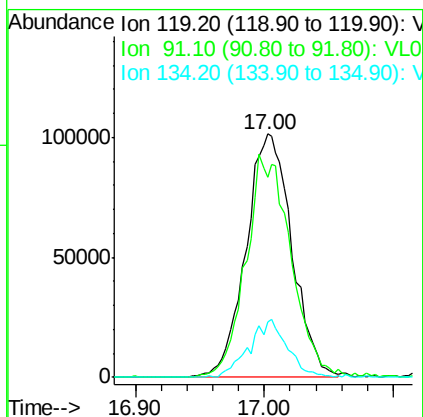
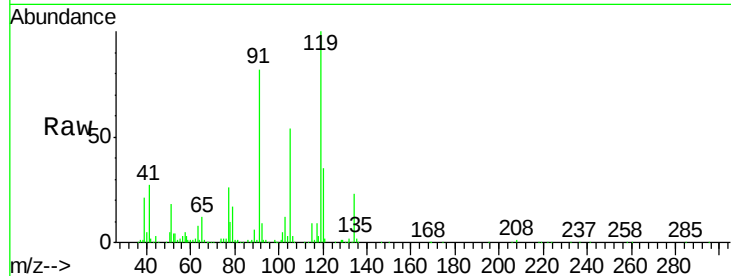




#65
tert-Butylbenzene
Concen: 0.365 ppbv
RT: 17.00 min Scan# 4950
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

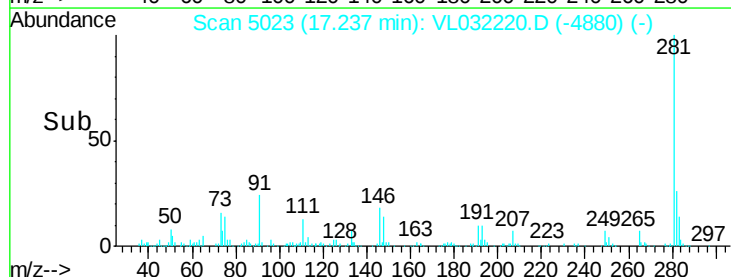
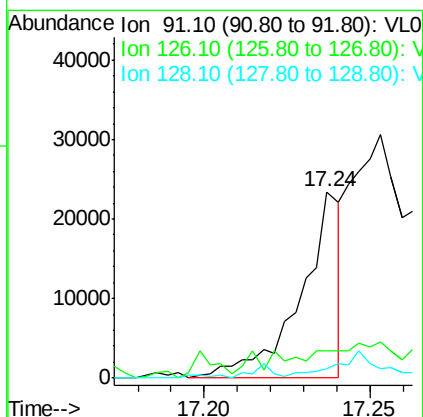
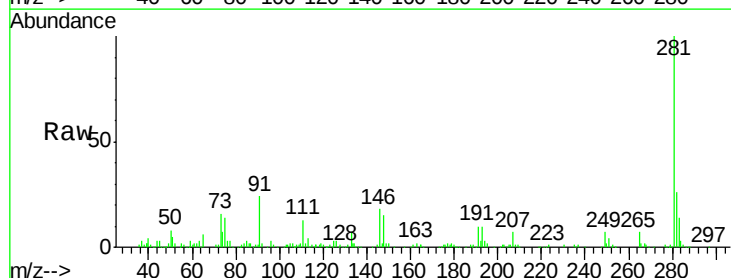
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

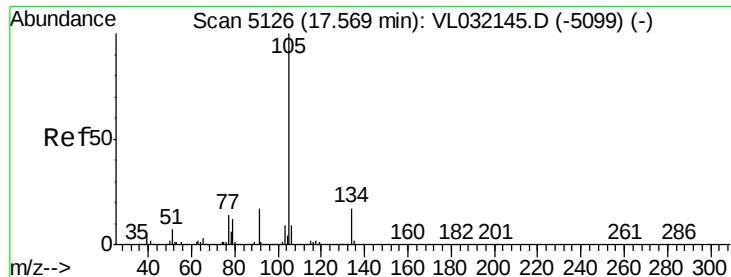
Tgt Ion	Ratio	Lower	Upper
119	100		
91	90.5	62.2	93.2
134	20.2	16.2	24.2



#66
Benzyl Chloride
Concen: 0.047 ppbv
RT: 17.24 min Scan# 5023
Delta R.T. -0.04 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.7	23.5#
128	0.0	5.2	7.8#

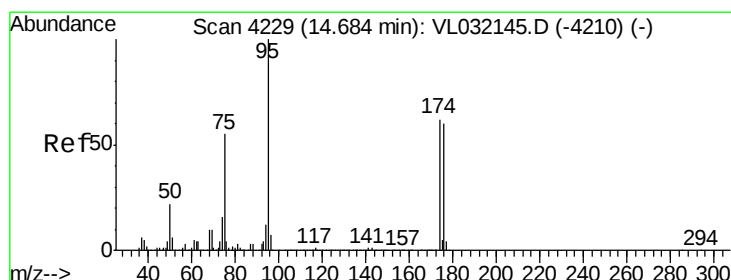
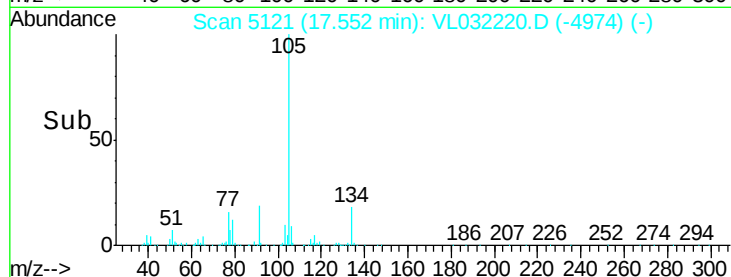
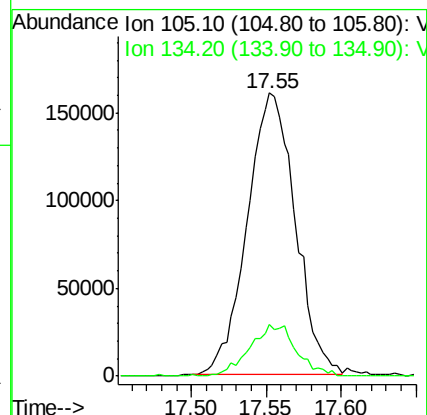
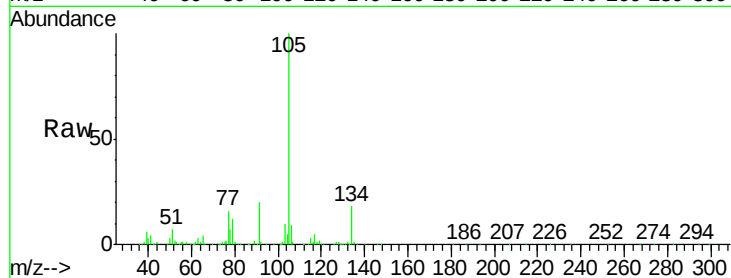




#67
 sec-Butylbenzene
 Concen: 0.358 ppbv
 RT: 17.55 min Scan# 5121
 Delta R.T. -0.03 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

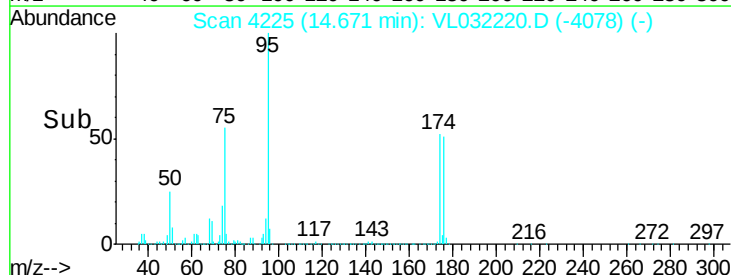
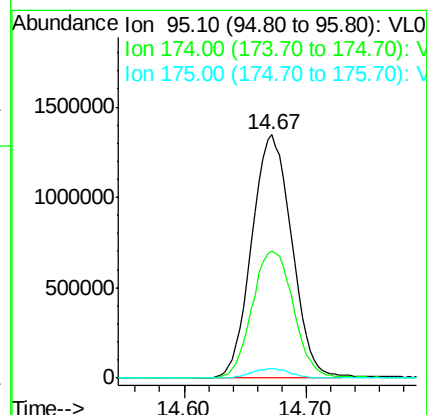
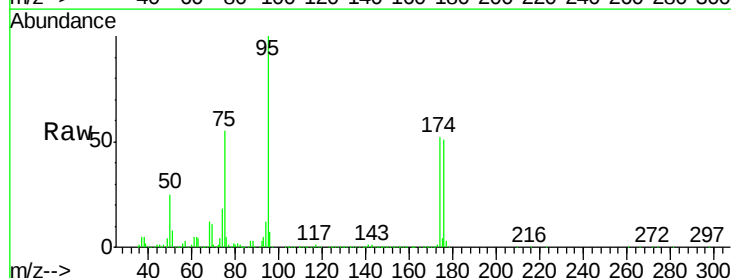
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

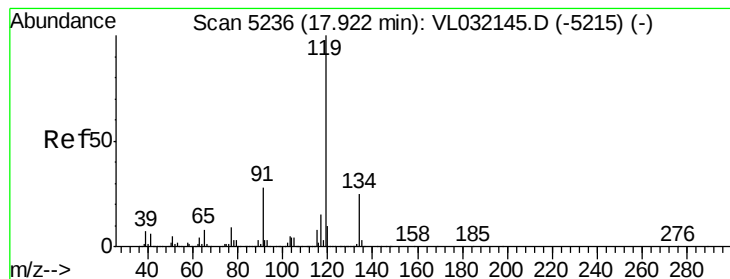
Tgt Ion: 105 Resp: 359791
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.132 ppbv
 RT: 14.67 min Scan# 4225
 Delta R.T. -0.03 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion: 95 Resp: 3052946
 Ion Ratio Lower Upper
 95 100
 174 54.8 52.1 78.1
 175 3.9 4.0 6.0#





#69

p-Isopropyltoluene

Concen: 0.343 ppbv

RT: 17.91 min Scan# 5232

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

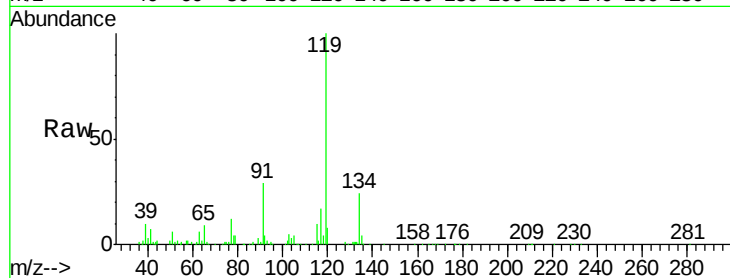
Tgt Ion: 119 Resp: 276473

Ion Ratio Lower Upper

119 100

134 24.2 20.7 31.1

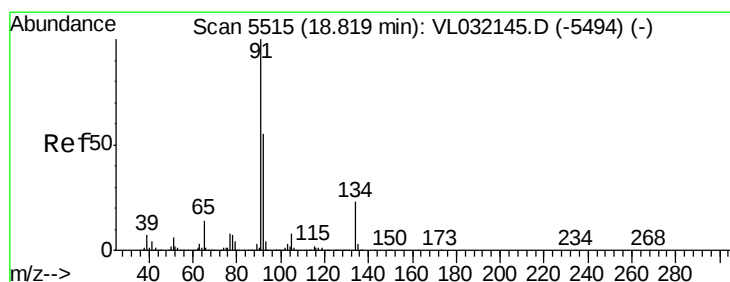
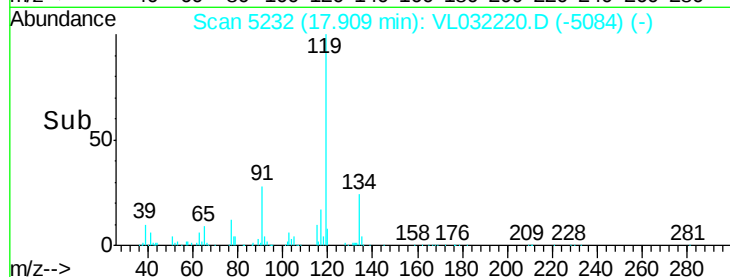
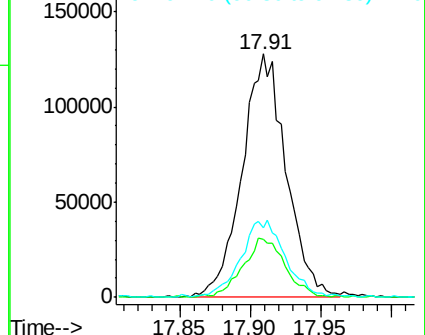
91 33.2 21.8 32.8#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.356 ppbv

RT: 18.81 min Scan# 5512

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

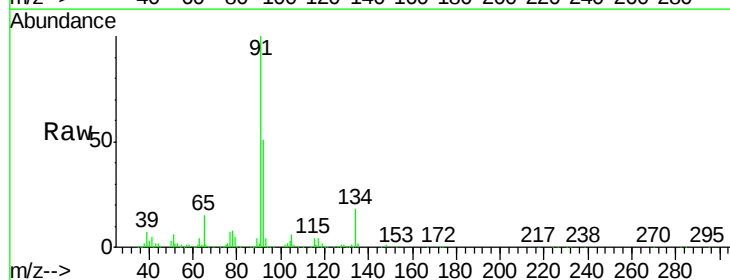
Tgt Ion: 91 Resp: 299585

Ion Ratio Lower Upper

91 100

92 52.1 43.7 65.5

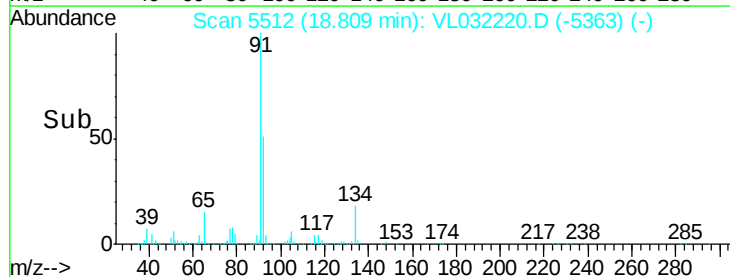
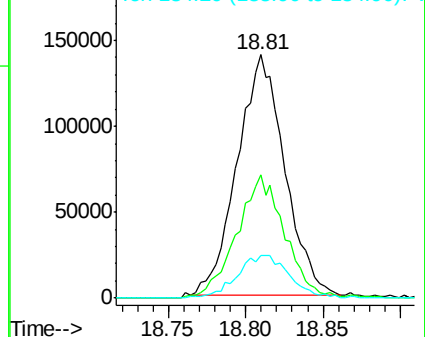
134 19.9 18.9 28.3

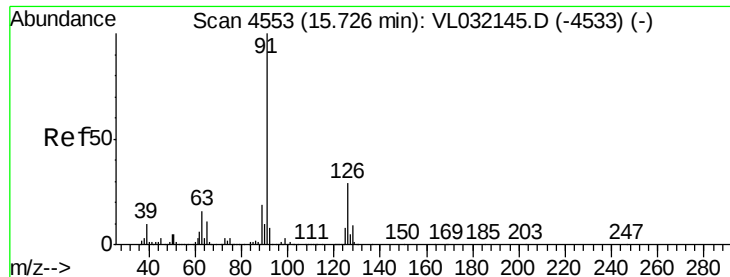


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.363 ppbv

RT: 15.72 min Scan# 4551

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

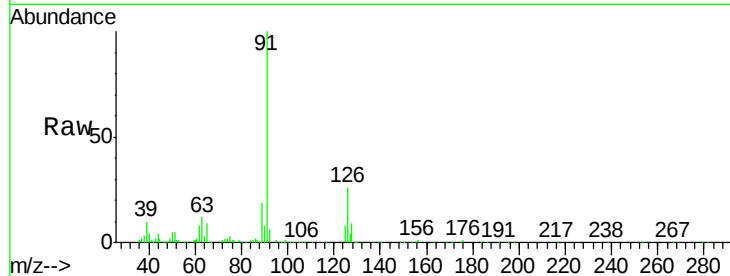
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 91 Resp: 218346

Ion Ratio Lower Upper

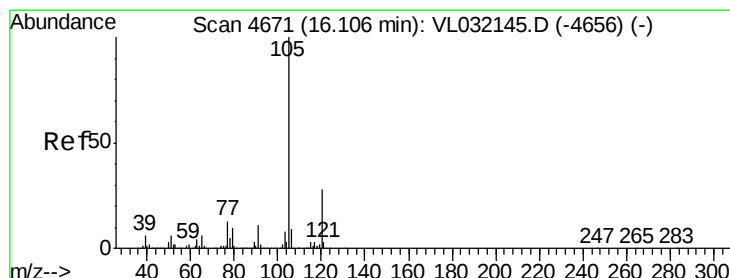
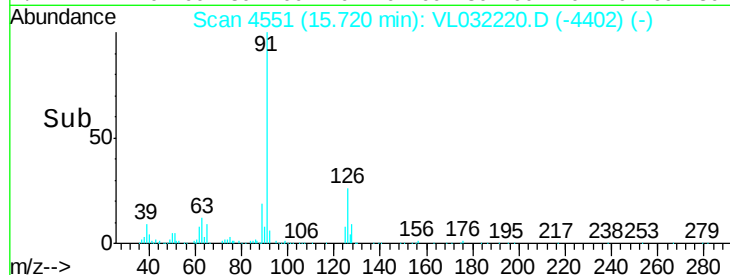
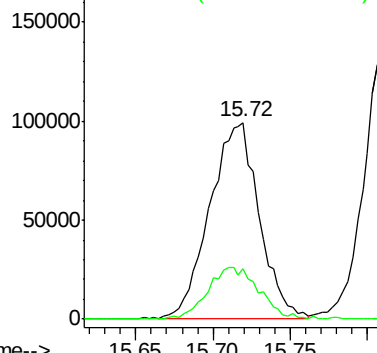
91 100

126 28.3 12.8 51.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.333 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Tgt Ion: 105 Resp: 218368

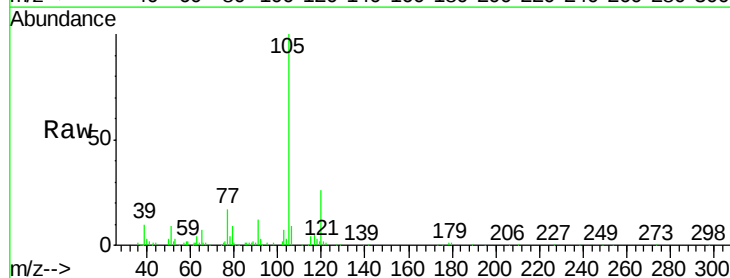
Ion Ratio Lower Upper

105 100

120 28.5 24.3 36.5

91 14.3 9.4 14.0#

77 16.5 10.2 15.2#

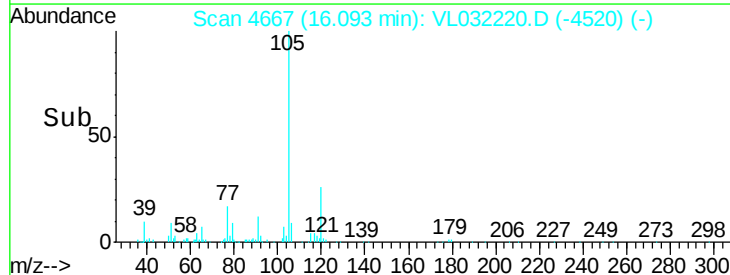
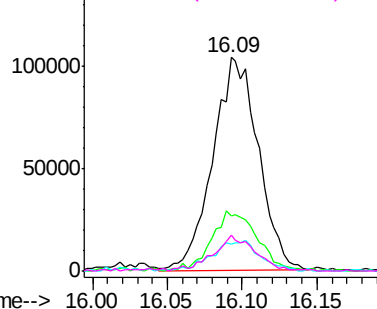


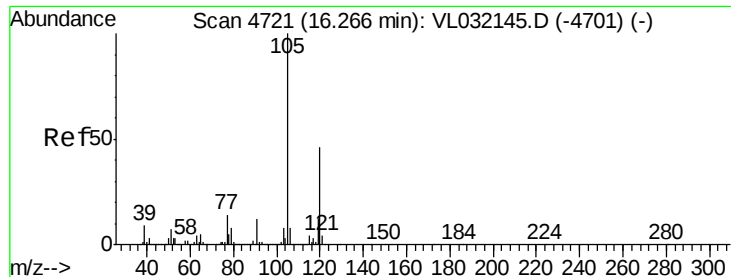
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.332 ppbv

RT: 16.25 min Scan# 4716

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

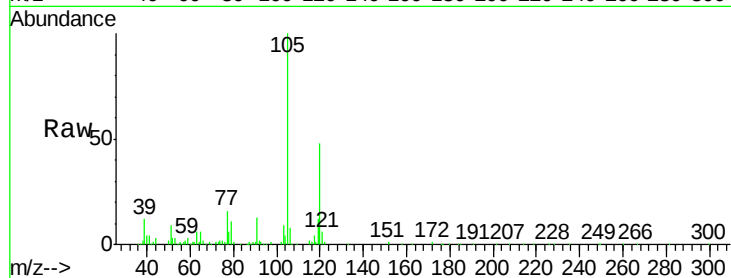
LOD-MDL-AIR-01-QT3-2018

Tgt Ion:105 Resp: 205455

Ion Ratio Lower Upper

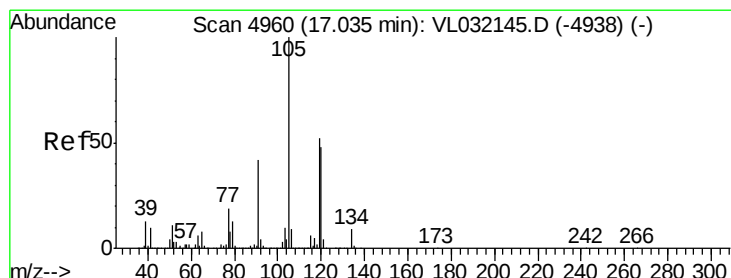
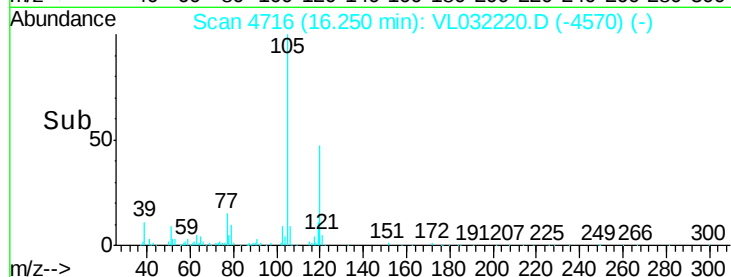
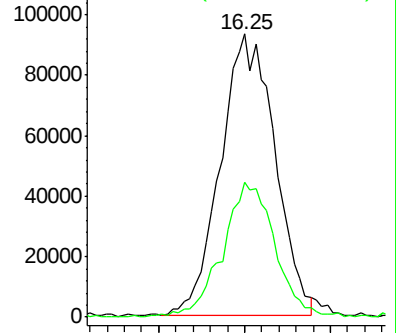
105 100

120 46.8 38.6 57.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.378 ppbv

RT: 17.02 min Scan# 4955

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Tgt Ion:105 Resp: 235806

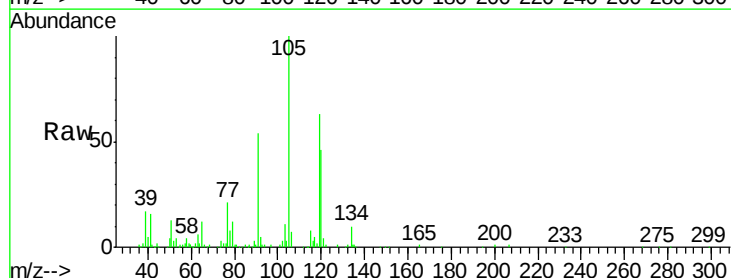
Ion Ratio Lower Upper

105 100

120 45.2 38.8 58.2

91 53.4 33.6 50.4#

77 20.0 16.0 24.0

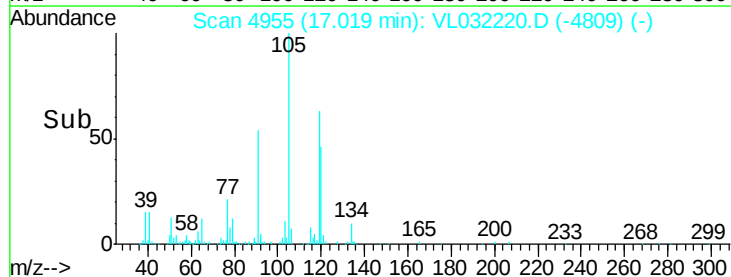
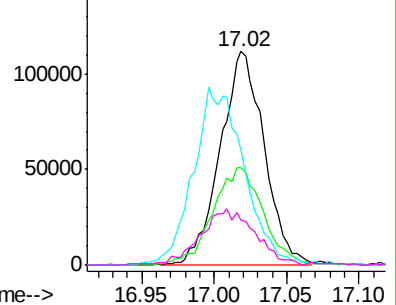


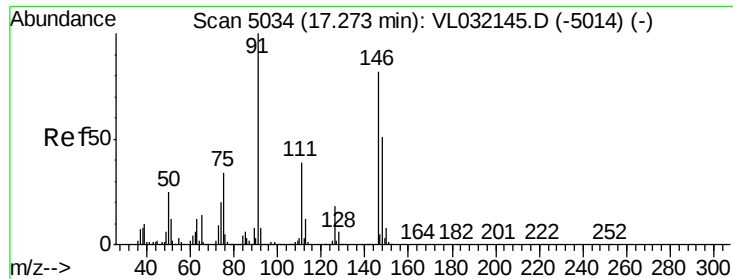
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.187 ppbv

RT: 17.25 min Scan# 5028

Delta R.T. -0.04 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

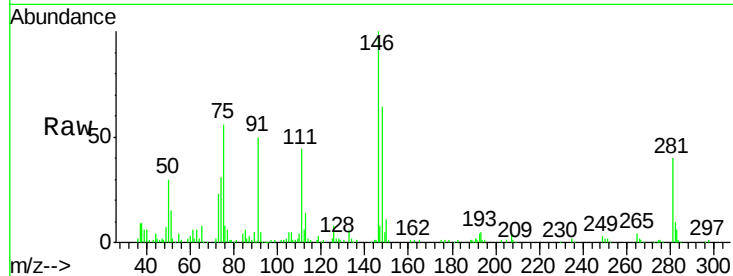
Tgt Ion:146 Resp: 66384

Ion Ratio Lower Upper

146 100

111 0.0 22.9 68.8#

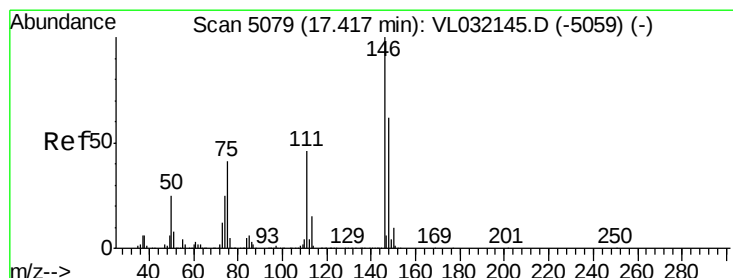
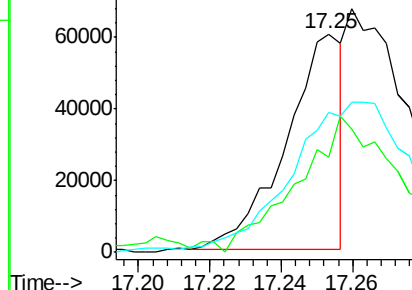
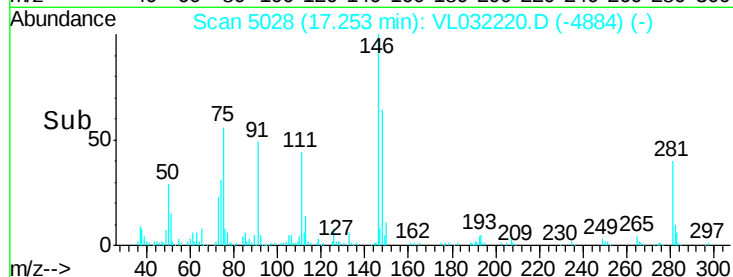
148 0.0 31.7 95.1#



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: 0.364 ppbv

RT: 17.40 min Scan# 5074

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

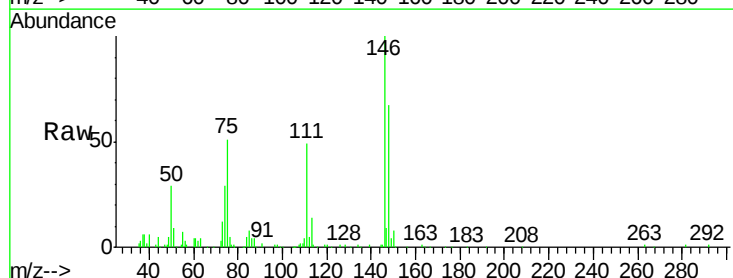
Tgt Ion:146 Resp: 130955

Ion Ratio Lower Upper

146 100

111 52.8 21.9 65.8

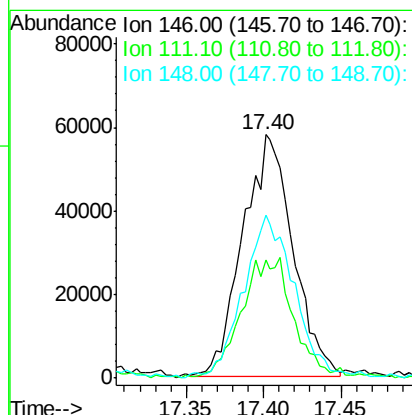
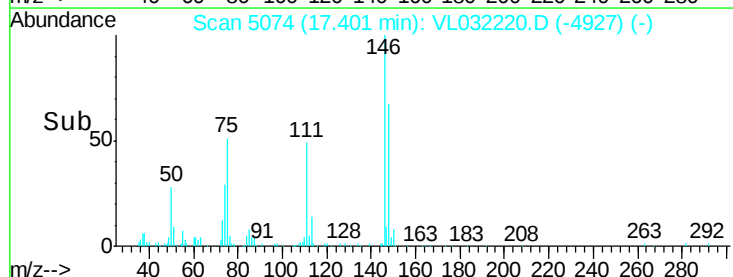
148 68.4 32.1 96.5

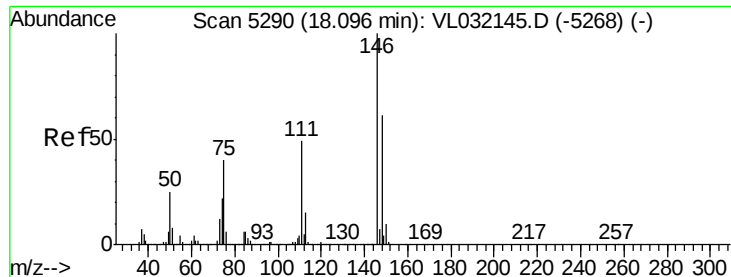


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

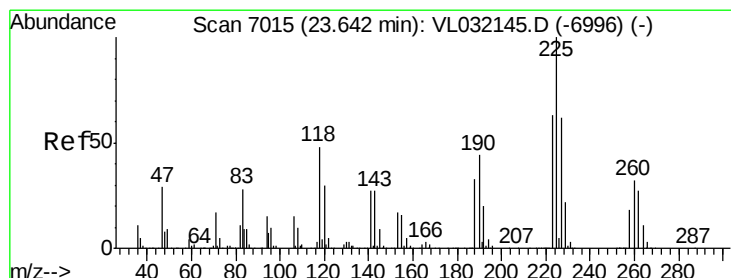
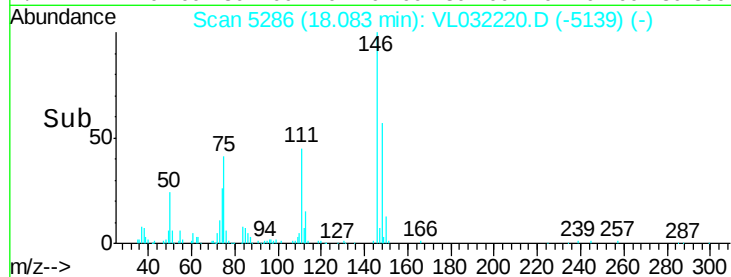
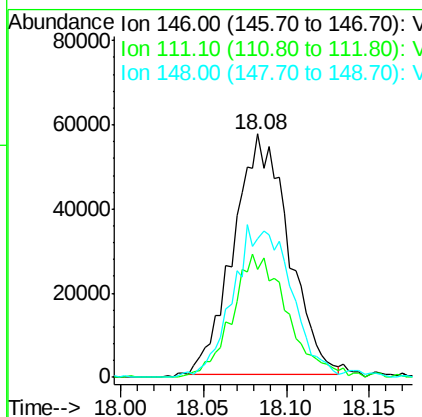
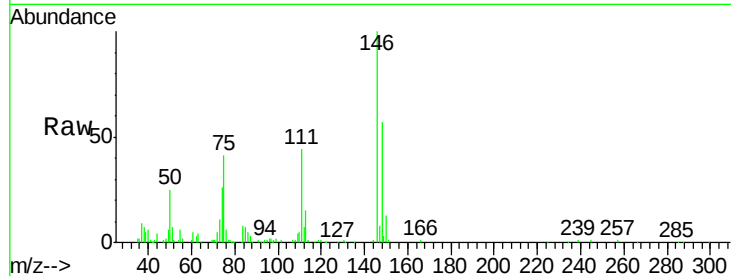




#77
 1,2-Dichlorobenzene
 Concen: 0.372 ppbv
 RT: 18.08 min Scan# 5286
 Delta R.T. -0.03 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

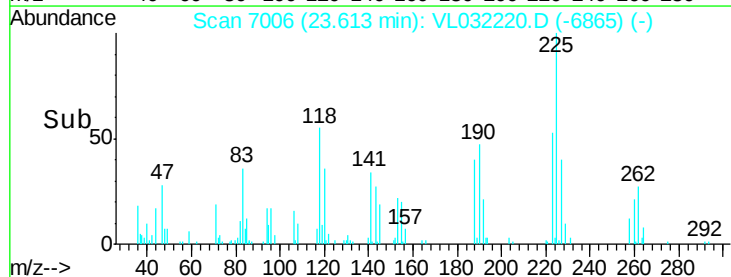
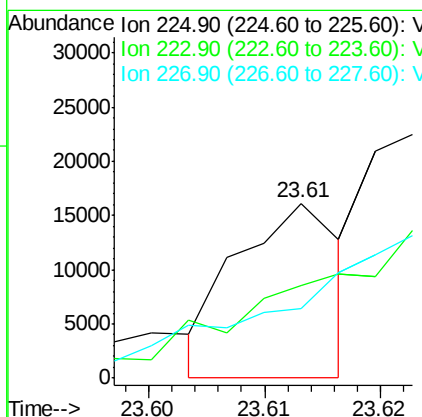
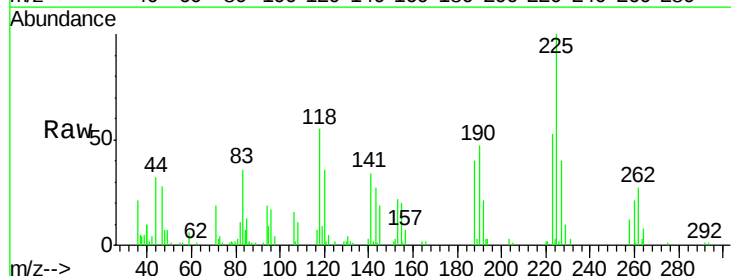
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

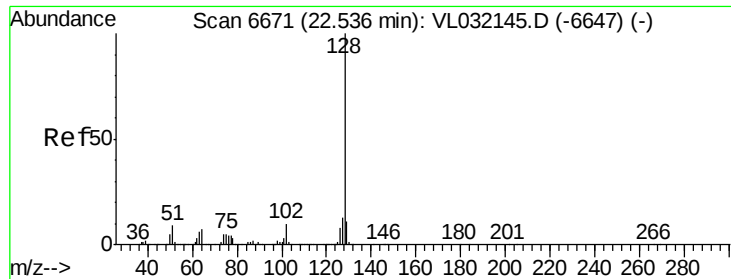
Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.8	23.4	70.3
148	68.1	32.0	96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.082 ppbv
 RT: 23.61 min Scan# 7006
 Delta R.T. -0.05 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.4#
227	0.0	51.4	77.0#





#79

Naphthalene

Concen: 0.088 ppbv

RT: 22.53 min Scan# 6668

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

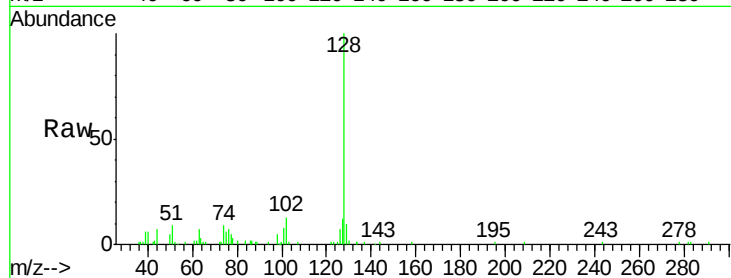
Tgt Ion:128 Resp: 49823

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

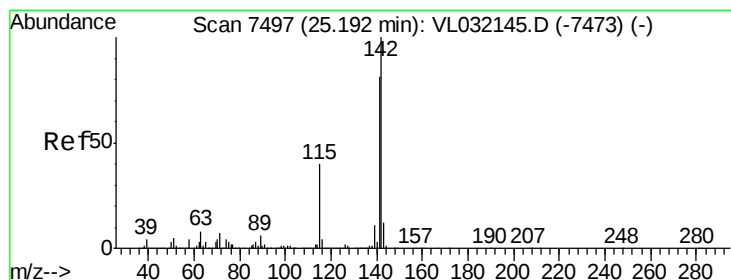
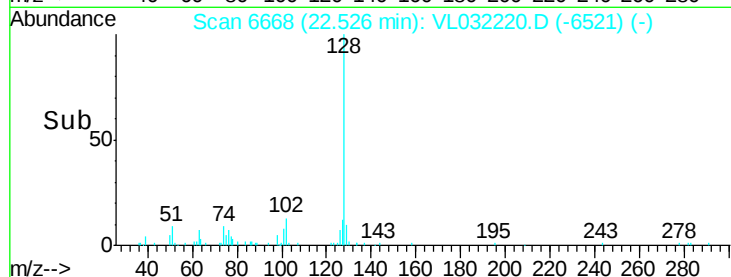
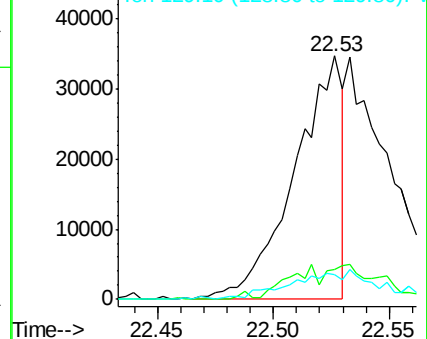
129 10.2 9.0 13.6



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: 0.037 ppbv

RT: 25.20 min Scan# 7499

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

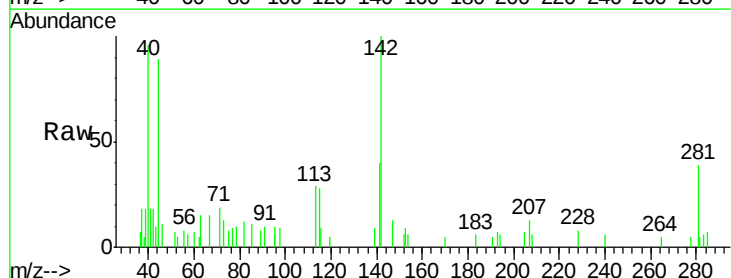
Tgt Ion:142 Resp: 7655

Ion Ratio Lower Upper

142 100

141 82.3 65.8 98.6

115 36.8 29.4 44.0



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

