

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035290.D
 Acq On : 30 Jul 2020 21:56
 Operator : SY/AP
 Sample : L3216-15 0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

Quant Time: Aug 02 18:16:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1099256	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2707390	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2497311	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2051642	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.01	85	27382	0.209	ppbv	98
3) Chlorodifluoromethane	2.95	51	16385m	0.135	ppbv	
4) Chloromethane	3.10	50	9721	0.142	ppbv #	63
5) Vinyl Chloride	3.22	62	8713m	0.122	ppbv	
6) Bromomethane	3.45	94	6988	0.159	ppbv #	78
7) Chloroethane	3.53	64	3571	0.139	ppbv #	72
8) Dichlorotetrafluoroethane	3.15	85	25978	0.156	ppbv	98
9) Propene	2.98	41	6705m	0.158	ppbv	
10) Heptane	8.14	43	6427m	0.056	ppbv	
11) Trichlorofluoromethane	3.93	101	26372	0.149	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	16960	0.135	ppbv	98
14) Bromoethene	3.72	108	5827	0.114	ppbv #	67
15) Acetone	3.85	43	36826	0.251	ppbv #	83
16) 1,3-Butadiene	3.30	39	6293	0.110	ppbv	92
17) tert-Butyl alcohol	4.30	59	18703m	0.132	ppbv	
18) 1,1-Dichloroethene	4.27	96	7341m	0.132	ppbv	
19) Isopropyl Alcohol	3.97	45	13837m	0.143	ppbv	
20) Methylene Chloride	4.32	84	18135m	0.272	ppbv	
21) Allvl Chloride	4.40	41	12538m	0.150	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	9188m	0.172	ppbv	
23) Vinyl Acetate	5.07	43	12379m	0.084	ppbv	
24) 1,1-Dichloroethane	5.00	63	16912m	0.123	ppbv	
25) Ethyl Acetate	5.69	43	24897m	0.109	ppbv	
26) Hexane	5.69	57	9808m	0.095	ppbv	
27) Carbon Disulfide	4.54	76	15620	0.112	ppbv #	33
28) Methyl tert-Butyl Ether	5.04	73	12812m	0.087	ppbv	
29) Chloroform	5.75	83	24572	0.142	ppbv	89
30) Cyclohexane	7.16	84	4747m	0.064	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	8757	0.097	ppbv #	52
32) 1,1,1-Trichloroethane	6.51	97	22964m	0.129	ppbv	
34) 2-Butanone	5.27	43	14130m	0.103	ppbv	
35) Carbon Tetrachloride	7.03	117	23064m	0.127	ppbv	
36) Benzene	6.89	78	14997m	0.080	ppbv	
37) 1,2-Dichloroethane	6.31	62	15065	0.115	ppbv #	94
38) Trichloroethene	7.86	130	7786m	0.100	ppbv	
39) 1,2-Dichloropropane	7.63	63	9120m	0.121	ppbv	
41) Tetrahydrofuran	6.08	42	4398m	0.065	ppbv	
42) Bromodichloromethane	7.81	83	19517m	0.111	ppbv	
43) Methyl Methacrylate	8.04	69	5940m	0.073	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	19496m	0.059	ppbv	
45) t-1,3-Dichloropropene	9.31	75	6002m	0.073	ppbv	

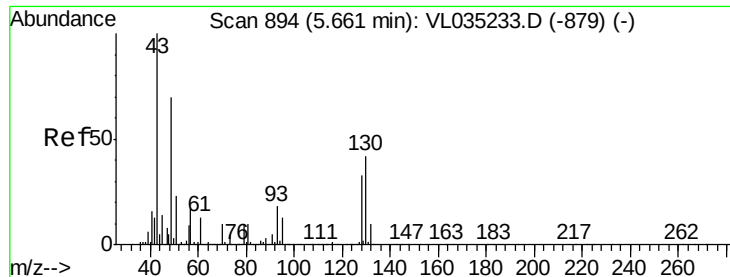
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
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Quant Time: Aug 02 18:16:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.73	75	6915m	0.069	ppbv	
47) 1,1,2-Trichloroethane	9.51	97	10803m	0.122	ppbv	
48) Dibromochloromethane	10.35	129	12345m	0.088	ppbv	
49) Bromoform	13.09	173	10388m	0.083	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	12320m	0.062	ppbv	
51) 2-Hexanone	10.19	43	7378m	0.049	ppbv	
52) Tetrachloroethene	11.25	164	6380m	0.089	ppbv	
53) Toluene	9.83	91	12212m	0.061	ppbv	
54) 1,2-Dibromoethane	10.64	107	11757m	0.092	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.16	131	12850m	0.112	ppbv	
57) Chlorobenzene	12.19	112	23872m	0.127	ppbv	
58) Ethyl Benzene	12.74	91	17749m	0.067	ppbv	
59) m/p-Xylene	13.02	91	25613m	0.104	ppbv	
60) o-Xylene	13.73	91	13611m	0.055	ppbv	
61) Styrene	13.56	104	8394m	0.056	ppbv	
62) Isopropylbenzene	14.72	105	22820m	0.062	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	21632m	0.102	ppbv	
64) n-propylbenzene	15.62	120	4396m	0.045	ppbv	
65) tert-Butylbenzene	16.80	119	17778m	0.054	ppbv	
66) Benzyl Chloride	17.05	91	14060m	0.108	ppbv	
67) sec-Butylbenzene	17.35	105	29800m	0.062	ppbv	
69) p-Isopropyltoluene	17.70	119	18892m	0.048	ppbv	
70) n-Butylbenzene	18.60	91	23835m	0.056	ppbv	
71) 2-Chlorotoluene	15.50	91	17000m	0.062	ppbv	
72) 4-Ethyltoluene	15.88	105	14269m	0.052	ppbv	
73) 1,3,5-Trimethylbenzene	16.05	105	14114m	0.052	ppbv	
74) 1,2,4-Trimethylbenzene	16.82	105	14060m	0.045	ppbv	
75) 1,3-Dichlorobenzene	17.04	146	29529m	0.146	ppbv	
76) 1,4-Dichlorobenzene	17.20	146	18981m	0.104	ppbv	
77) 1,2-Dichlorobenzene	17.88	146	15902m	0.088	ppbv	
78) Hexachloro-1,3-Butadiene	23.44	225	19328m	0.130	ppbv	
79) Naphthalene	22.28	128	13672m	0.055	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	3610m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	22.00	180	11090m	0.073	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035290.D

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Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

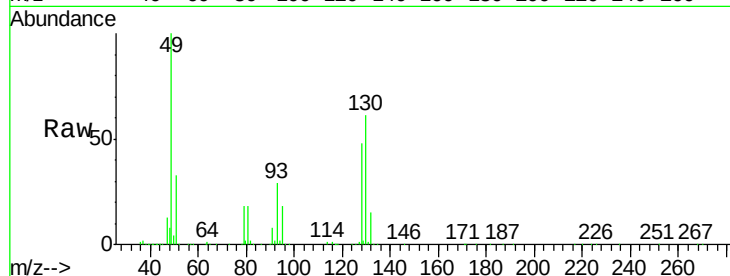
Tot Ion: 49 Resp: 1099256

Ion Ratio Lower Upper

49 100

128 49.7 24.0 72.0

130 63.7 30.7 92.1



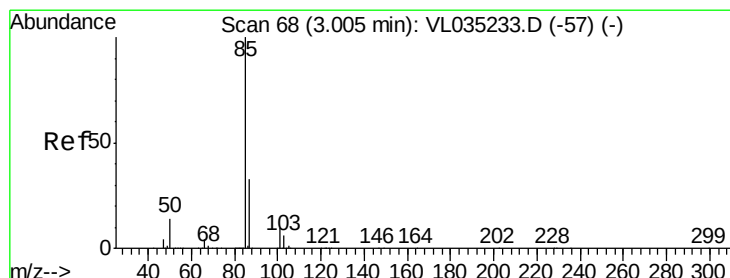
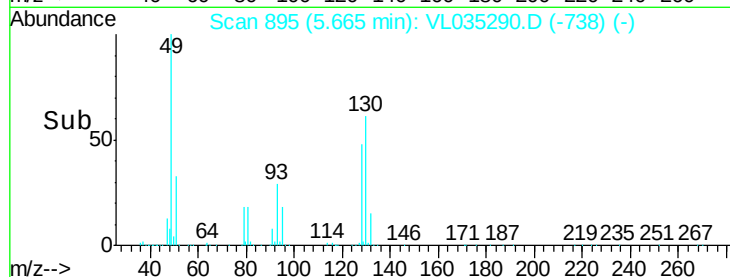
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 0.209 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035290.D

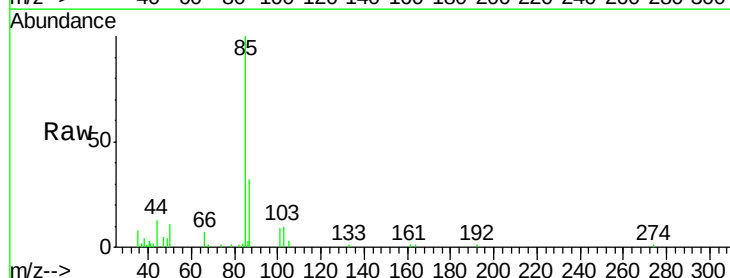
Acq: 30 Jul 2020 21:56

Tgt Ion: 85 Resp: 27382

Ion Ratio Lower Upper

85 100

87 32.3 26.7 40.1

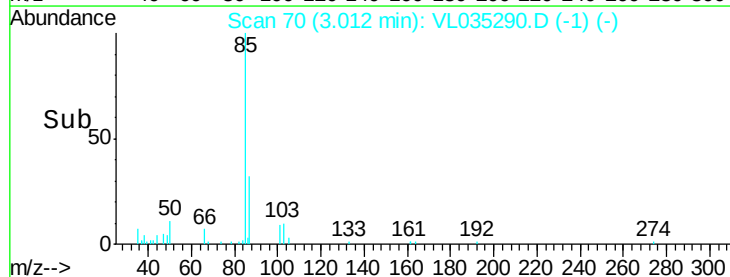


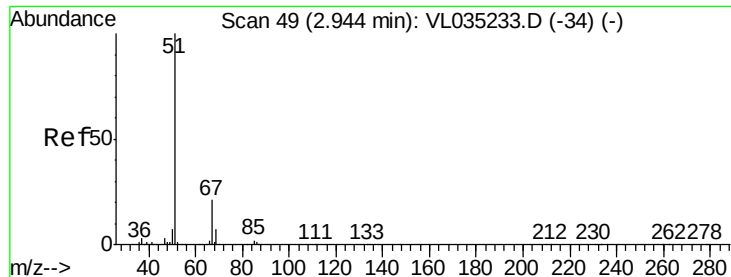
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

Time-->

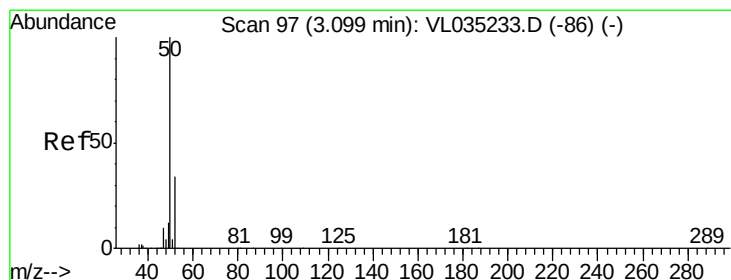
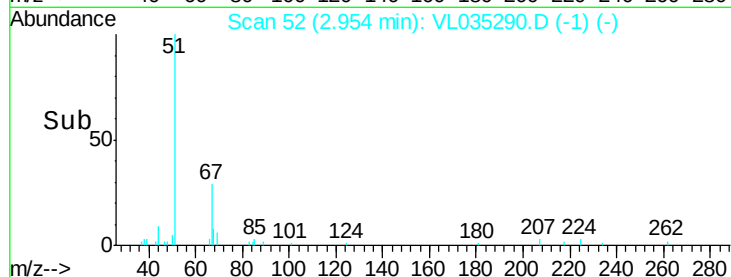
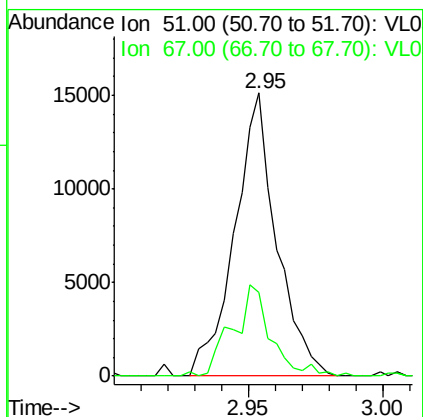
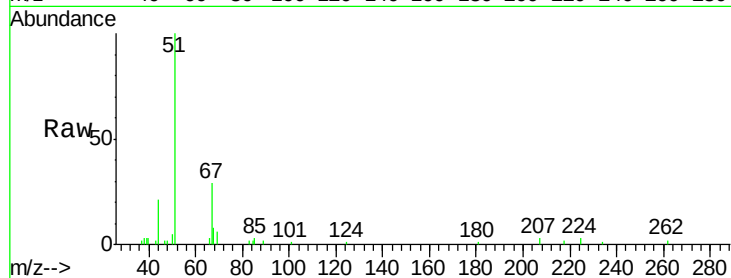




#3
 Chlorodifluoromethane
 Concen: 0.135 ppbv
 RT: 2.95 min Scan# 52
 Delta R.T. 0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

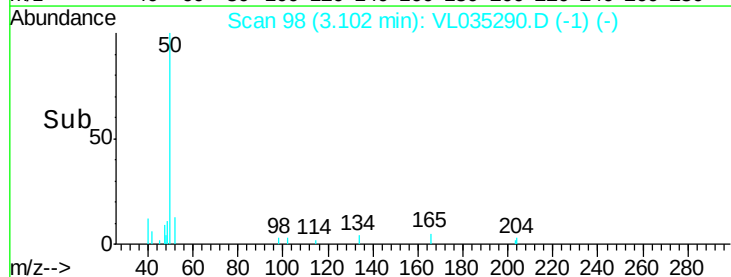
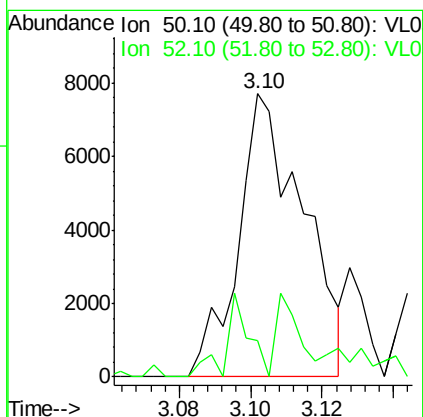
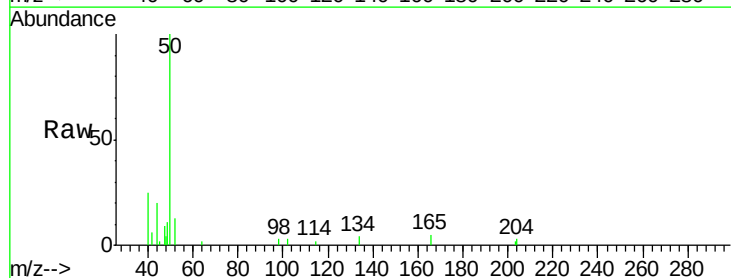
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

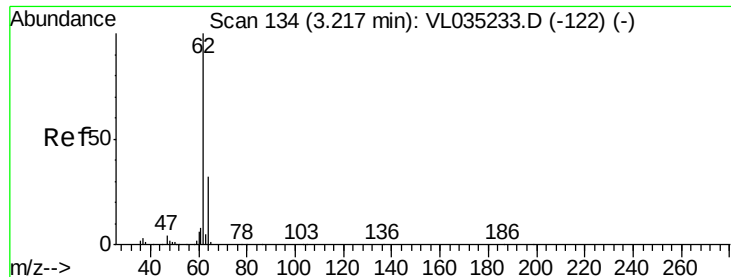
Tot Ion: 51 Resp: 16385
 Ion Ratio Lower Upper
 51 100
 67 1.0 16.6 25.0#



#4
 Chloromethane
 Concen: 0.142 ppbv
 RT: 3.10 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Tgt Ion: 50 Resp: 9721
 Ion Ratio Lower Upper
 50 100
 52 13.0 27.1 40.7#





#5

Vinyl Chloride

Concen: 0.122 ppbv m

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

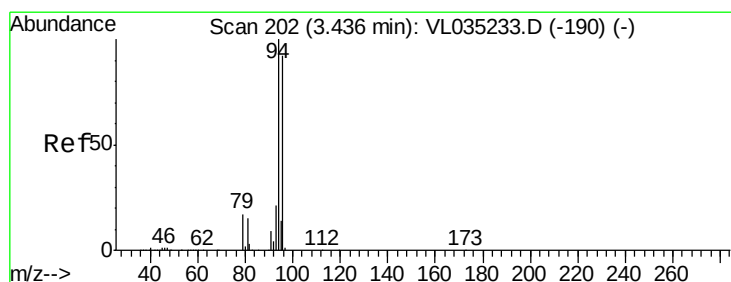
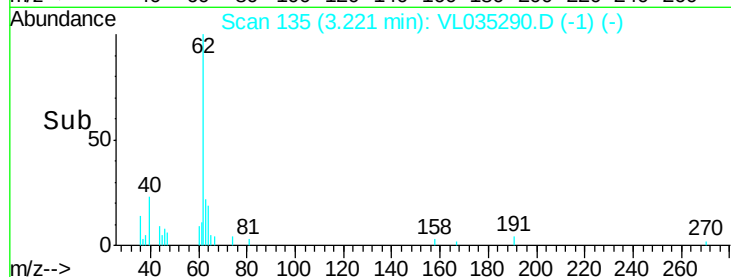
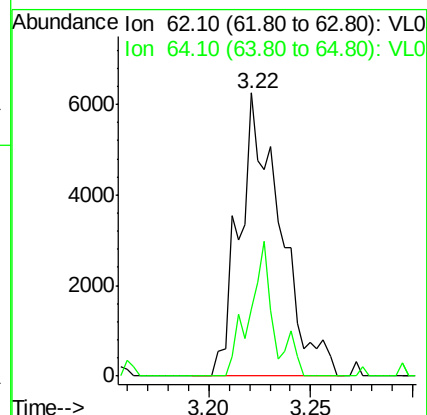
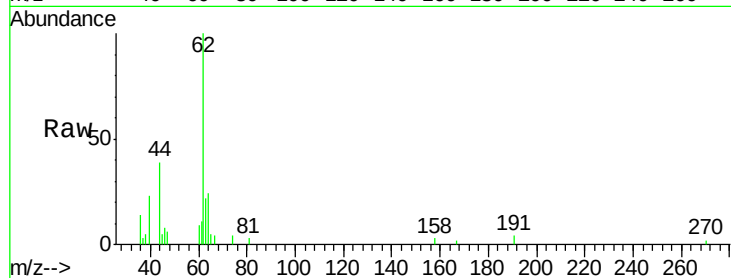
MDL-AIR-01-QT3-2020

Tot Ion: 62 Resp: 8713

Ion Ratio Lower Upper

62 100

64 23.7 25.8 38.6#



#6

Bromomethane

Concen: 0.159 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL035290.D

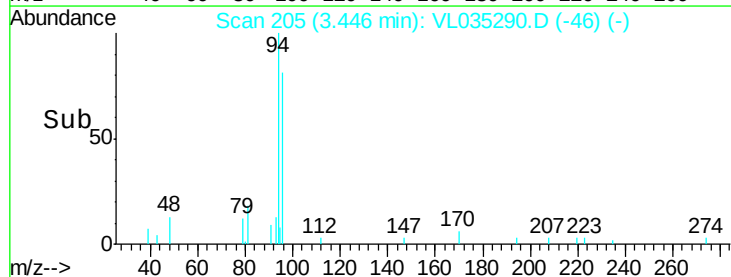
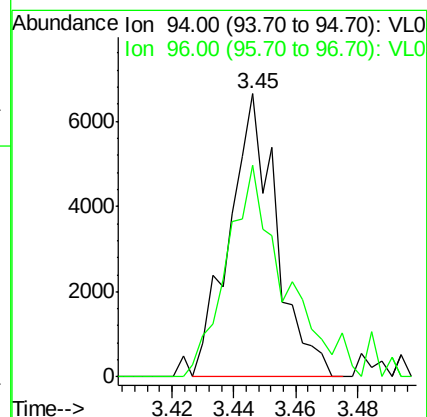
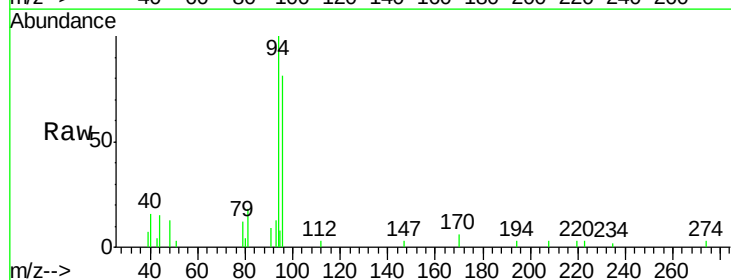
Acq: 30 Jul 2020 21:56

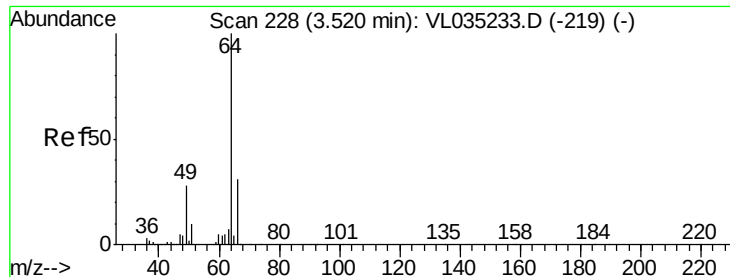
Tgt Ion: 94 Resp: 6988

Ion Ratio Lower Upper

94 100

96 70.9 73.2 109.8#





#7

Chloroethane

Concen: 0.139 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

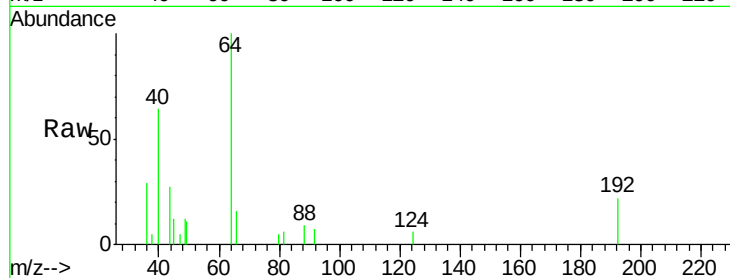
MDL-AIR-01-QT3-2020

Tot Ion: 64 Resp: 3571

Ion Ratio Lower Upper

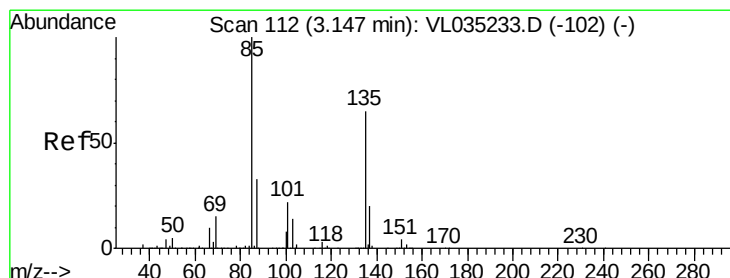
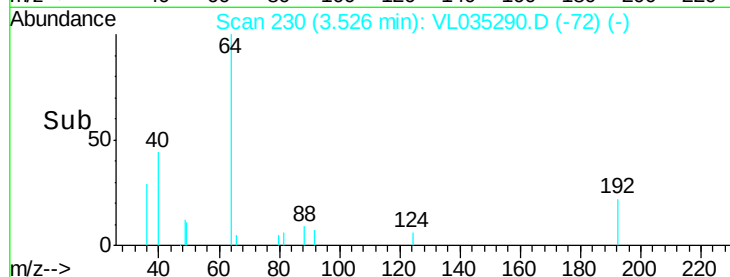
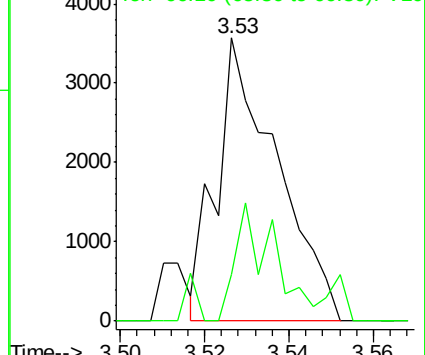
64 100

66 16.3 25.6 38.4#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.156 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL035290.D

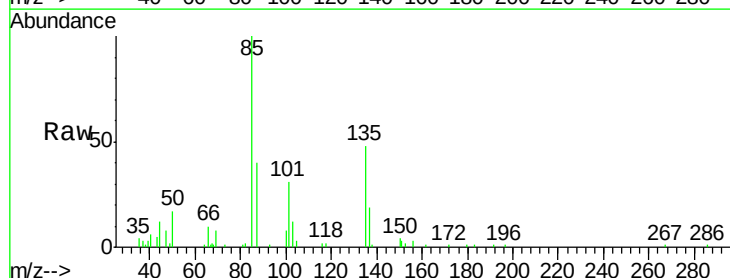
Acq: 30 Jul 2020 21:56

Tgt Ion: 85 Resp: 25978

Ion Ratio Lower Upper

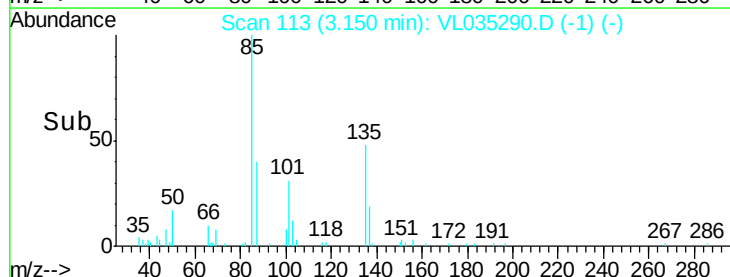
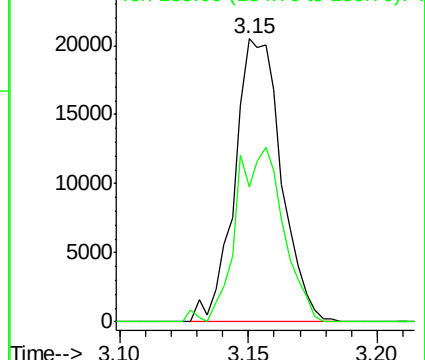
85 100

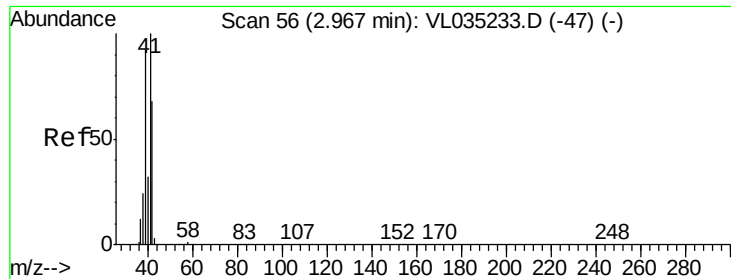
135 62.7 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.158 ppbv m

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

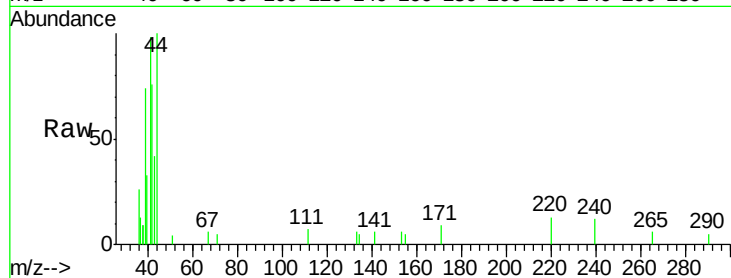
MDL-AIR-01-QT3-2020

Tot Ion: 41 Resp: 6705

Ion Ratio Lower Upper

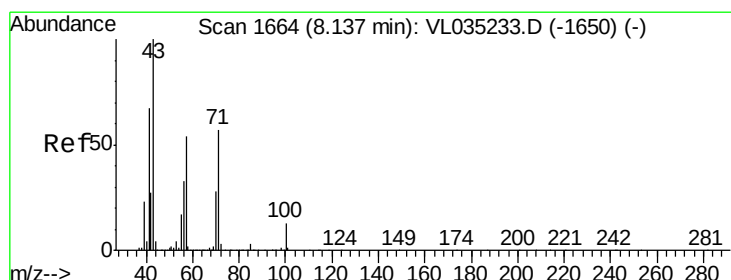
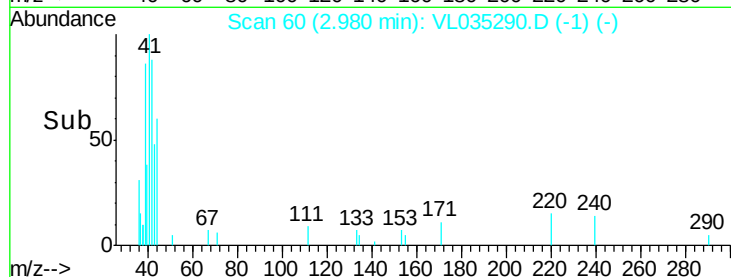
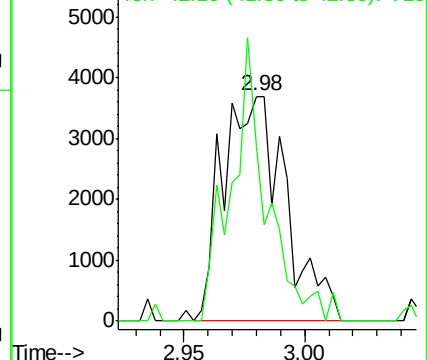
41 100

42 0.0 55.0 82.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.056 ppbv m

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035290.D

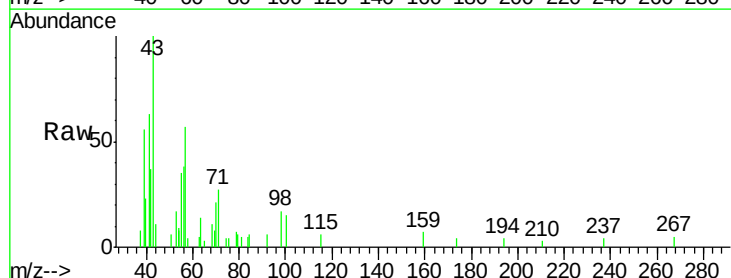
Acq: 30 Jul 2020 21:56

Tgt Ion: 43 Resp: 6427

Ion Ratio Lower Upper

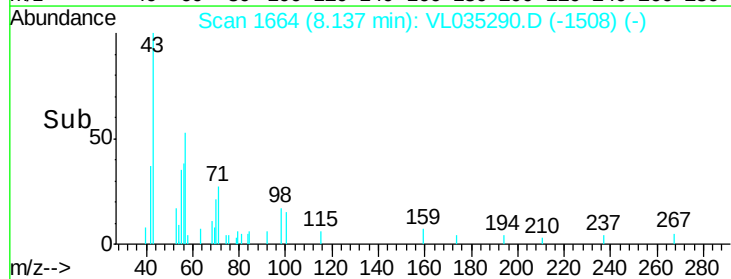
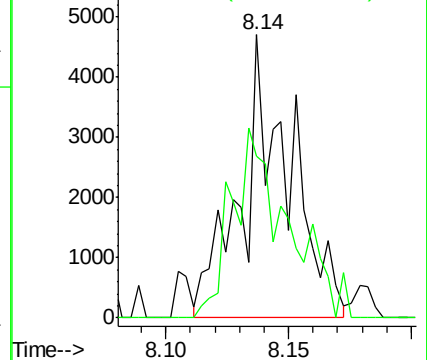
43 100

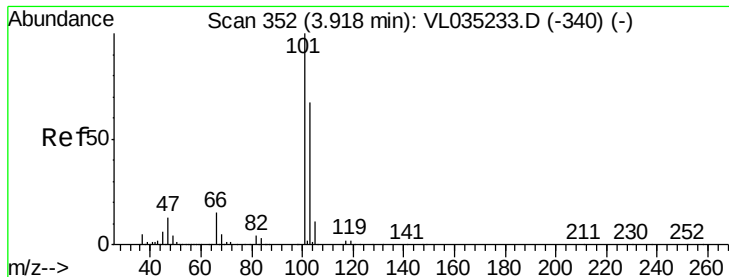
57 0.0 43.0 64.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

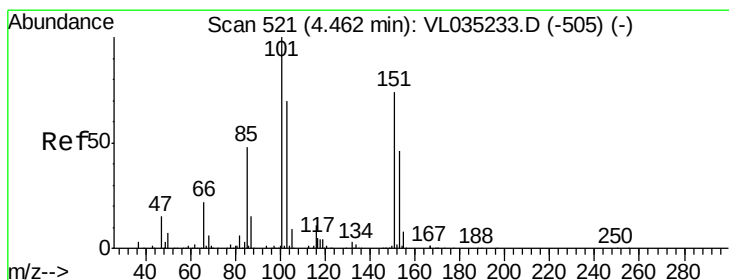
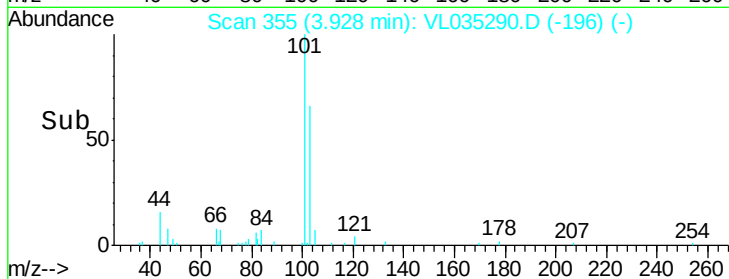
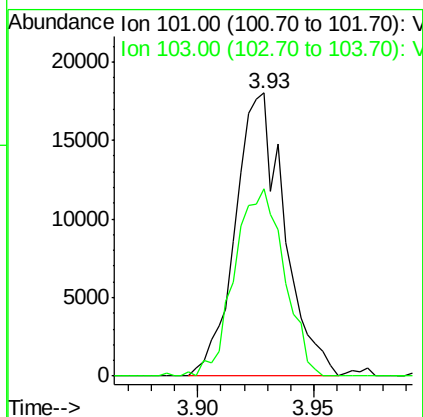
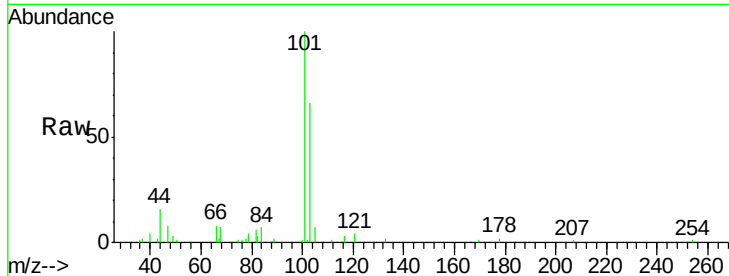




#11
 Trichlorofluoromethane
 Concen: 0.149 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

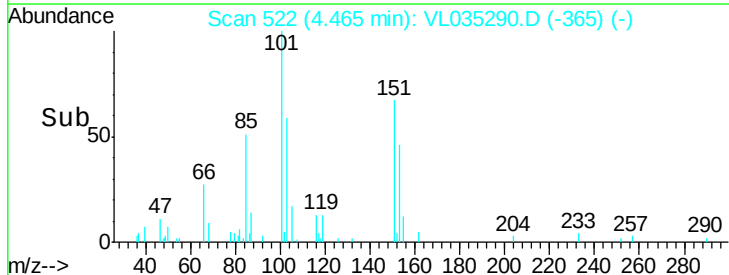
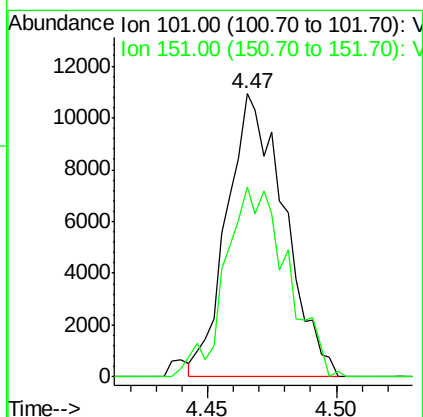
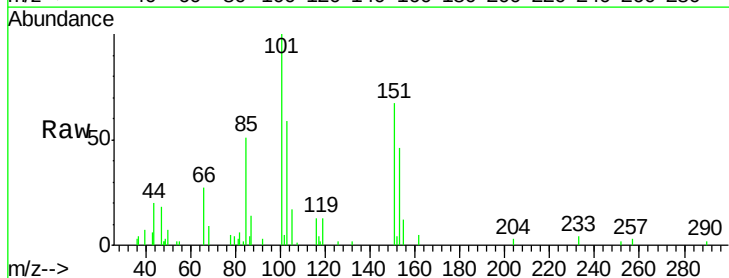
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

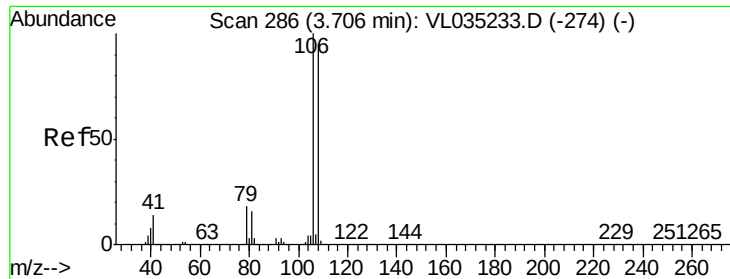
Tot Ion:101 Resp: 26372
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.4 80.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.135 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Tgt Ion:101 Resp: 16960
 Ion Ratio Lower Upper
 101 100
 151 72.6 56.6 85.0





#14

Bromoethene

Concen: 0.114 ppbv

RT: 3.72 min Scan# 290

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

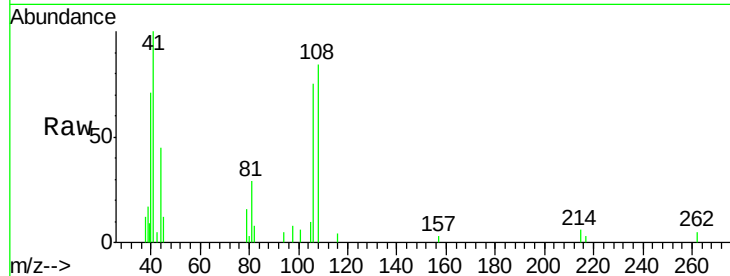
Tot Ion:108 Resp: 5827

Ion Ratio Lower Upper

108 100

106 141.2 85.0 127.6#

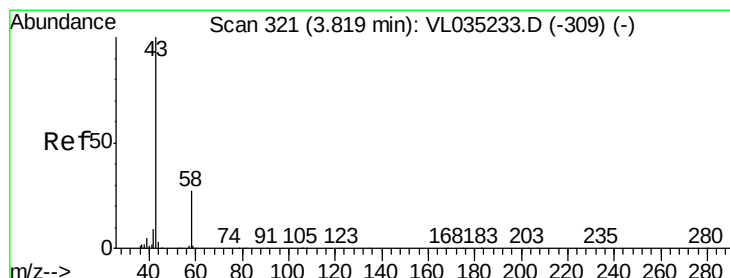
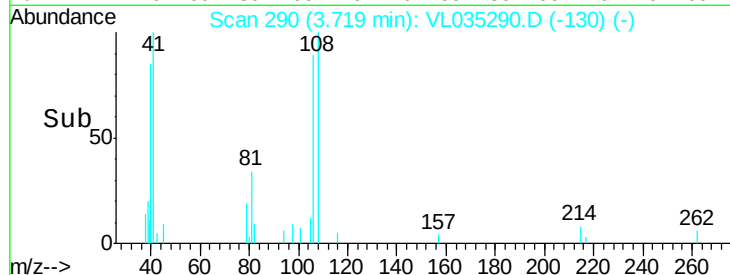
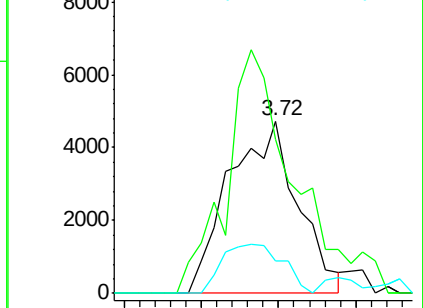
79 32.3 15.4 23.2#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0



#15

Acetone

Concen: 0.251 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.03 min

Lab File: VL035290.D

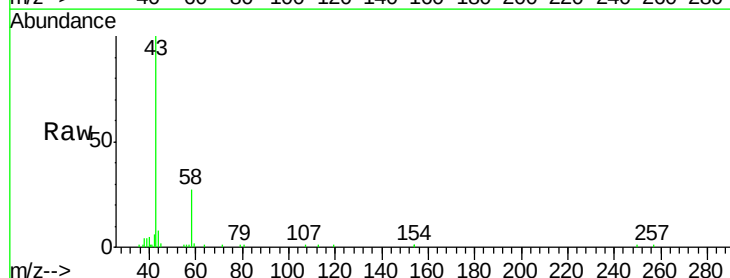
Acq: 30 Jul 2020 21:56

Tgt Ion: 43 Resp: 36826

Ion Ratio Lower Upper

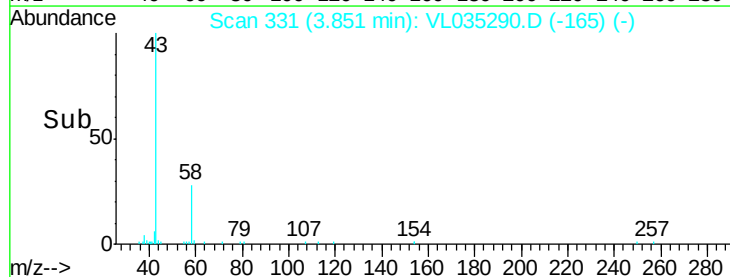
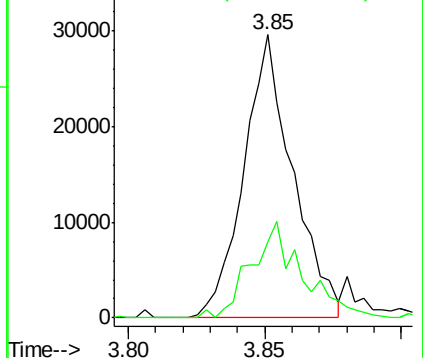
43 100

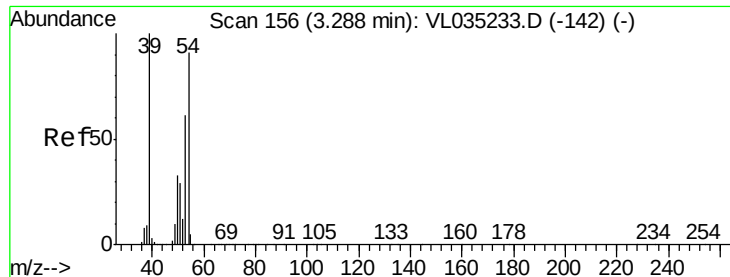
58 35.9 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

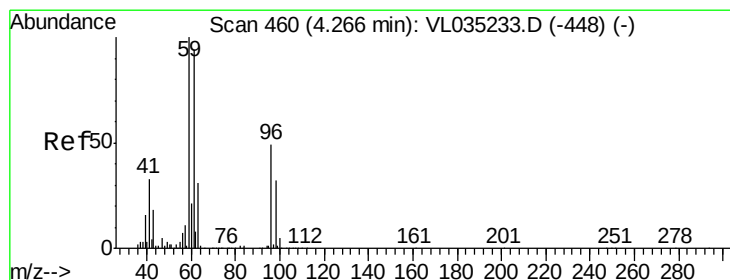
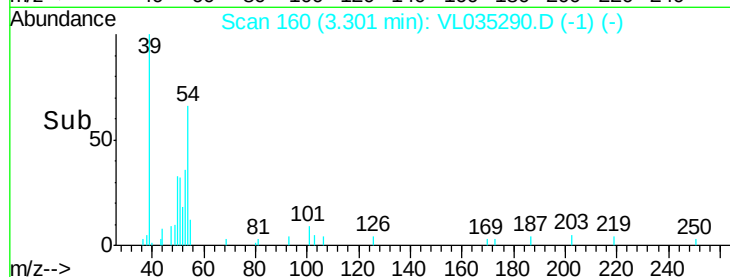
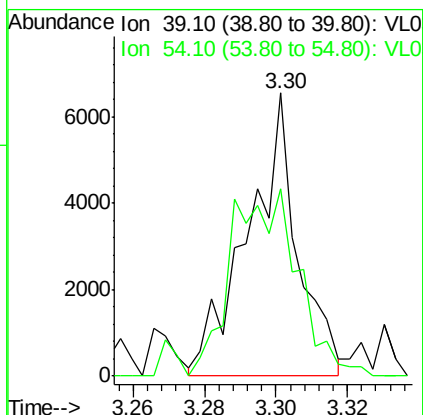
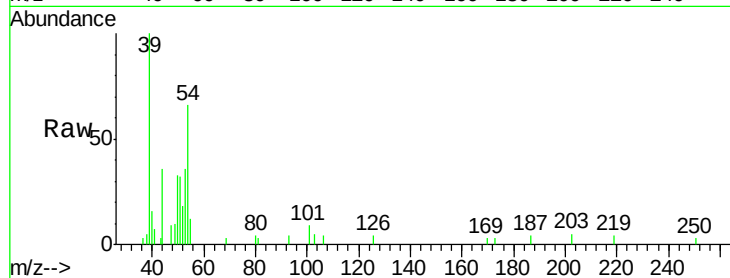




#16
1,3-Butadiene
Concen: 0.110 ppbv
RT: 3.30 min Scan# 160
Delta R.T. 0.01 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

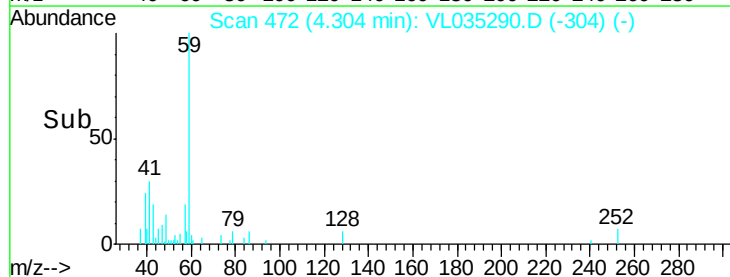
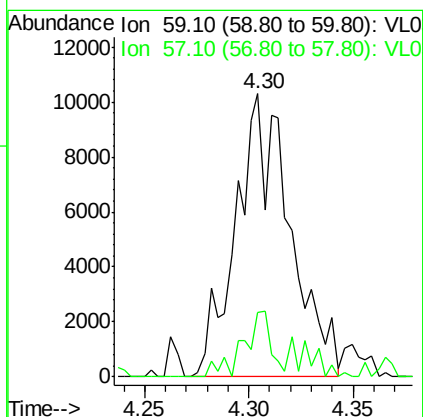
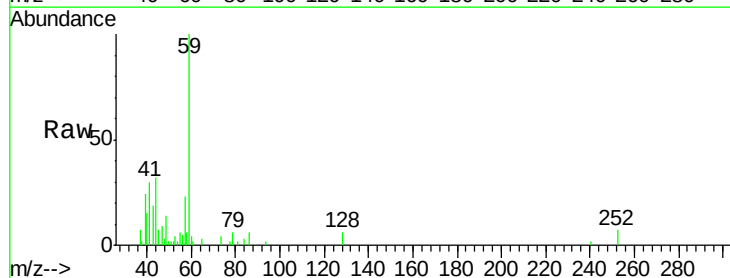
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

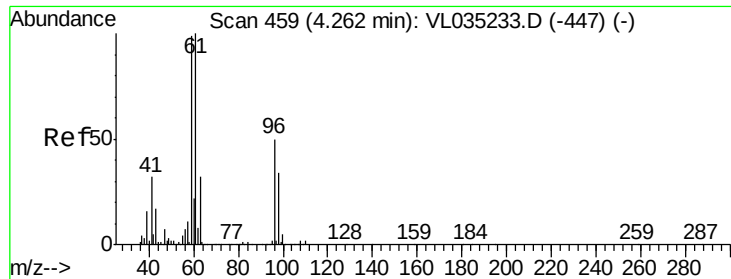
Tot Ion: 39 Resp: 6293
Ion Ratio Lower Upper
39 100
54 93.0 68.2 102.2



#17
tert-Butyl alcohol
Concen: 0.132 ppbv m
RT: 4.30 min Scan# 472
Delta R.T. 0.04 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion: 59 Resp: 18703
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

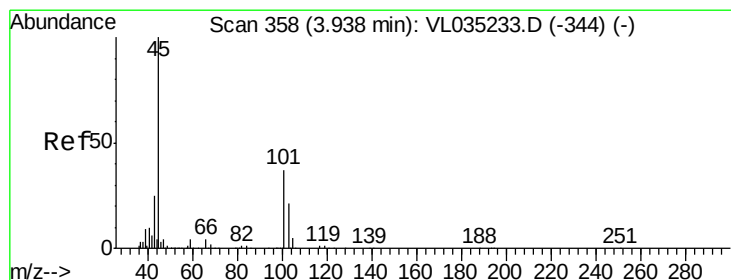
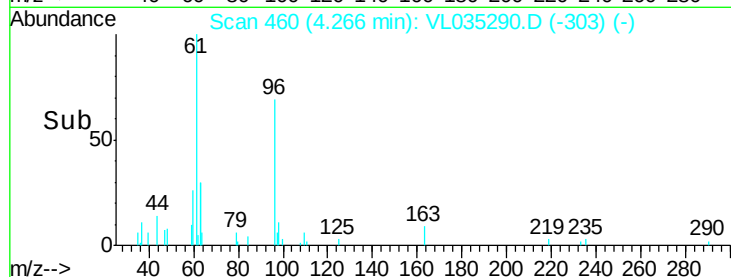
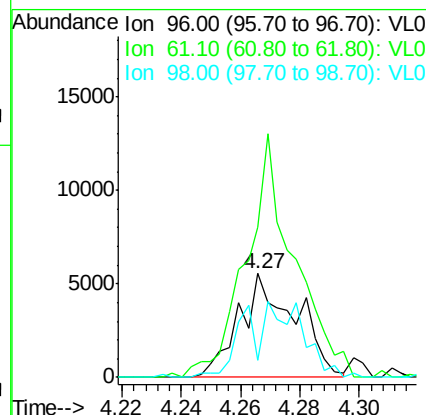
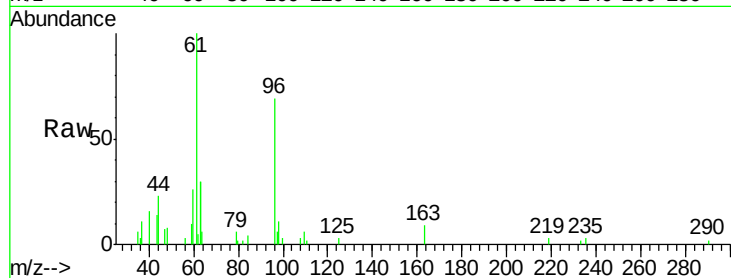




#18
 1,1-Dichloroethene
 Concen: 0.132 ppbv m
 RT: 4.27 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

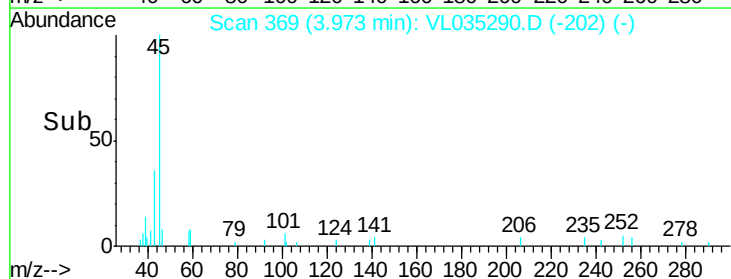
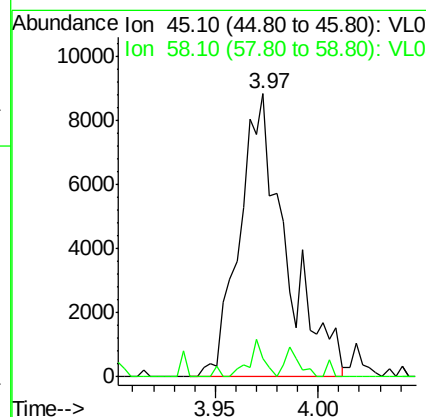
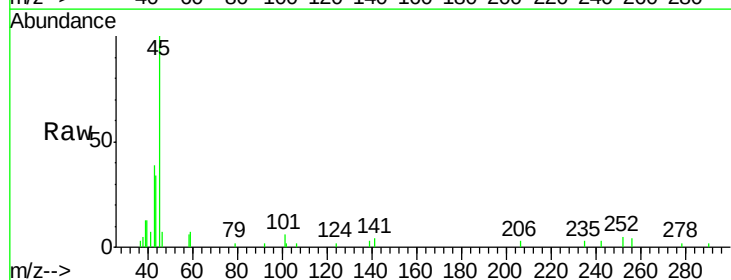
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

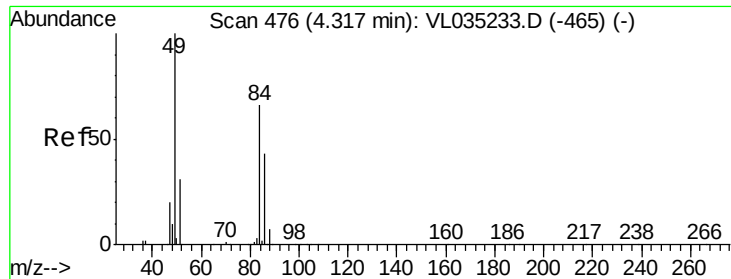
Tot Ion: 96 Resp: 7341
 Ion Ratio Lower Upper
 96 100
 61 144.7 159.4 239.2#
 98 16.6 53.9 80.9#



#19
 Isopropyl Alcohol
 Concen: 0.143 ppbv m
 RT: 3.97 min Scan# 369
 Delta R.T. 0.04 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Tgt Ion: 45 Resp: 13837
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.9 2.9#

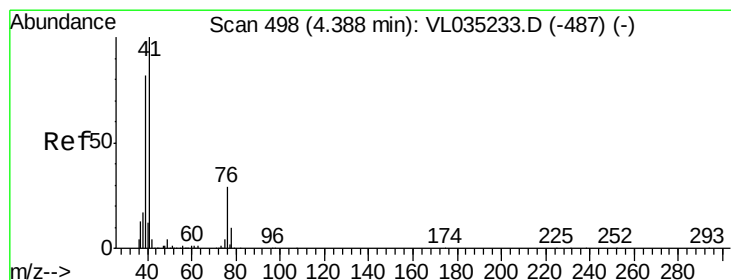
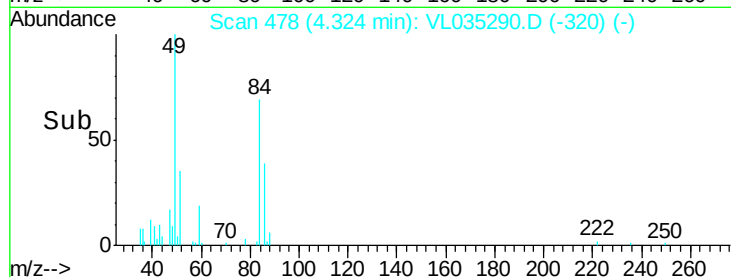
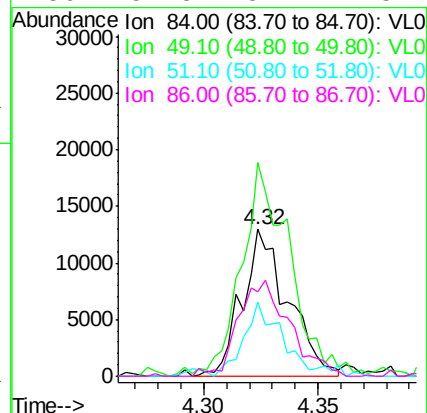
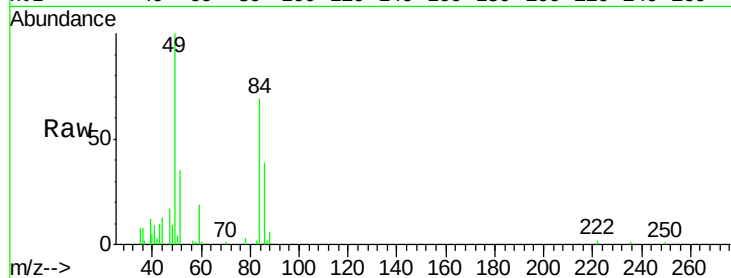




#20
Methylene Chloride
Concen: 0.272 ppbv m
RT: 4.32 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

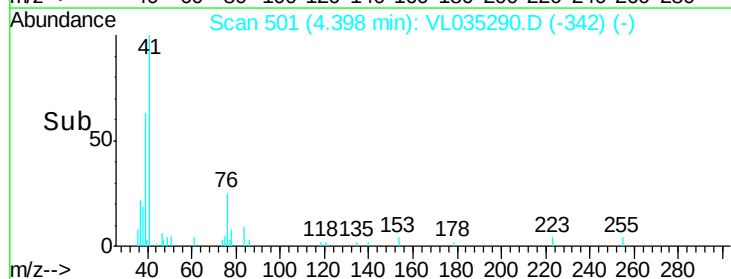
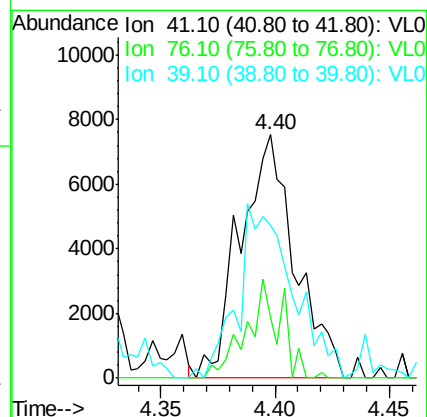
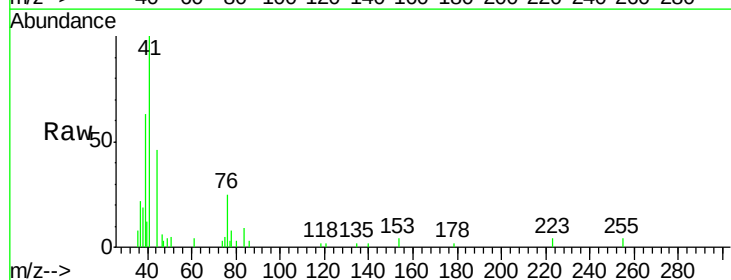
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

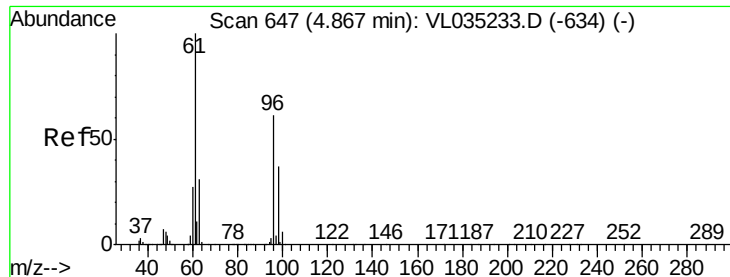
Tot Ion: 84 Resp: 18135
Ion Ratio Lower Upper
84 100
49 145.3 121.0 181.4
51 50.4 37.7 56.5
86 57.3 52.2 78.4



#21
Allyl Chloride
Concen: 0.150 ppbv m
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion: 41 Resp: 12538
Ion Ratio Lower Upper
41 100
76 25.3 24.4 36.6
39 71.2 63.8 95.8





#22

trans-1,2-Dichloroethene

Concen: 0.172 ppbv m

RT: 4.88 min Scan# 652

Delta R.T. 0.02 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

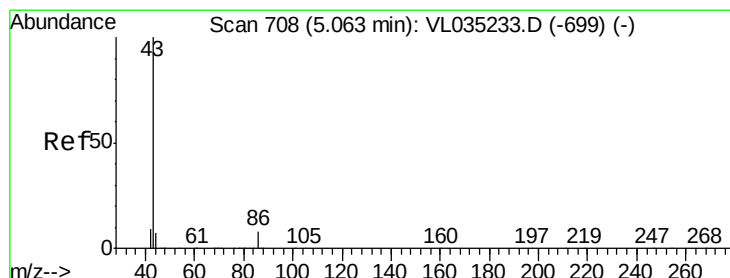
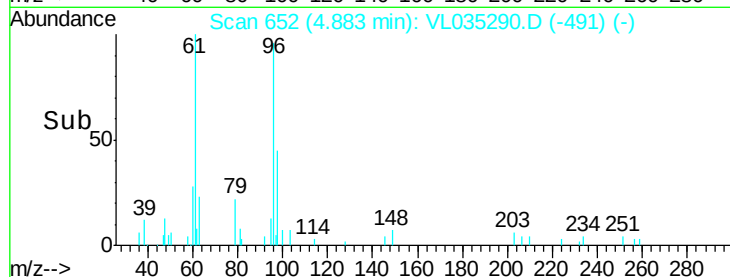
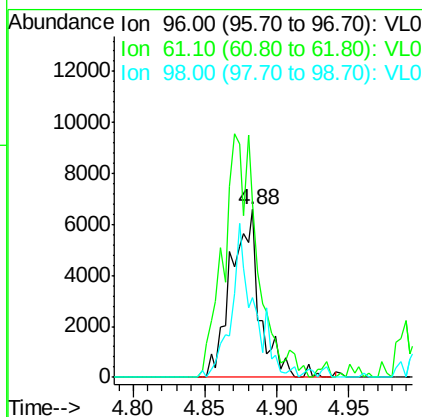
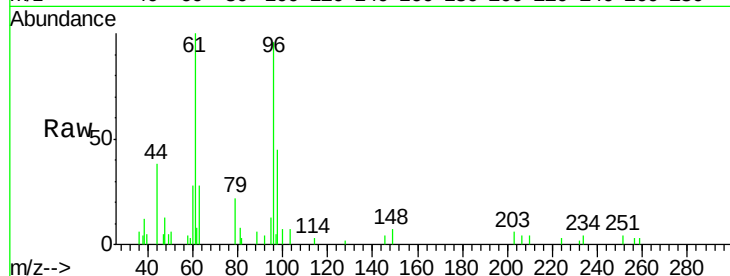
Tot Ion: 96 Resp: 9188

Ion Ratio Lower Upper

96 100

61 104.4 131.6 197.4#

98 47.2 49.0 73.4#



#23

Vinyl Acetate

Concen: 0.084 ppbv m

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Tgt Ion: 43 Resp: 12379

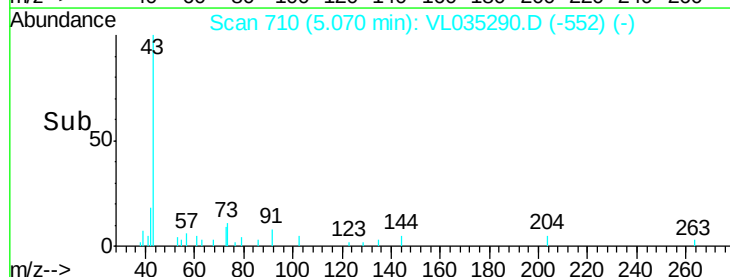
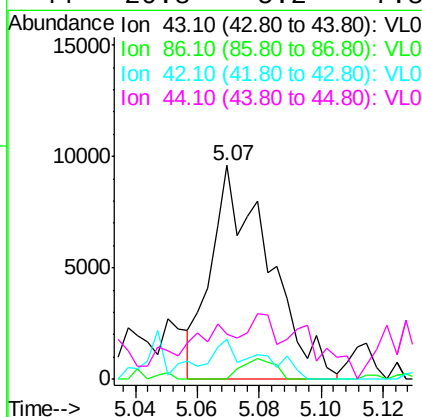
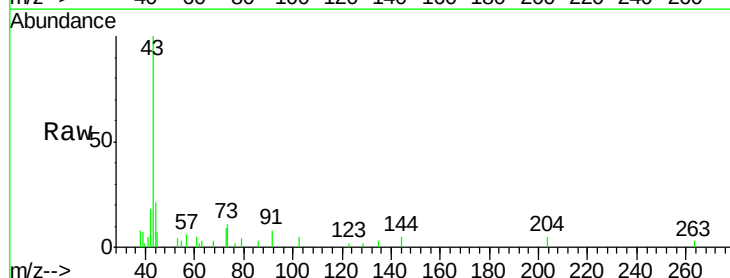
Ion Ratio Lower Upper

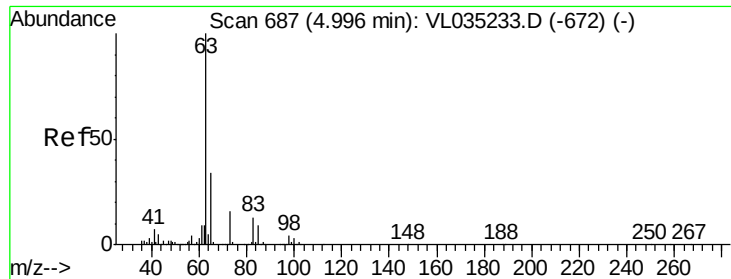
43 100

86 0.0 6.2 9.2#

42 18.4 8.0 12.0#

44 20.8 5.2 7.8#





#24

1,1-Dichloroethane

Concen: 0.123 ppbv m

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

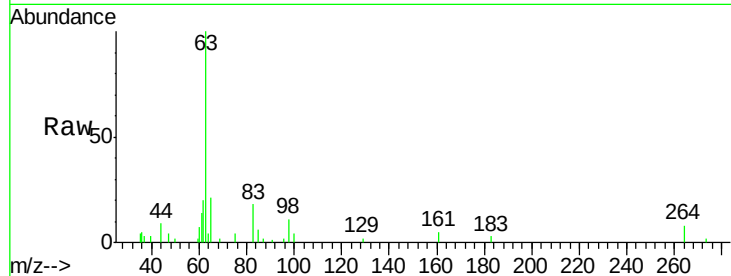
Tot Ion: 63 Resp: 16912

Ion Ratio Lower Upper

63 100

98 10.6 1.9 5.7#

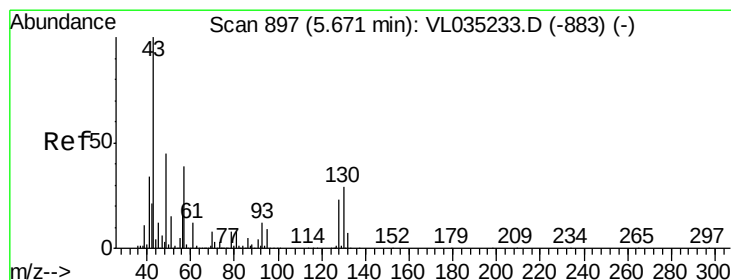
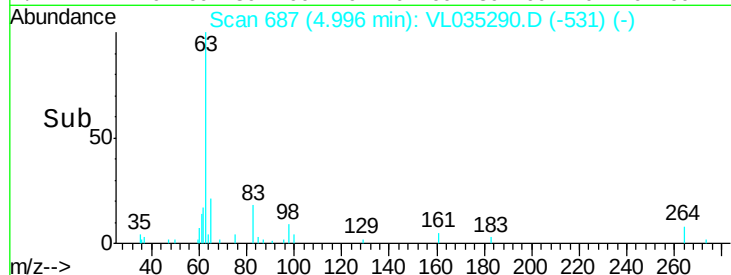
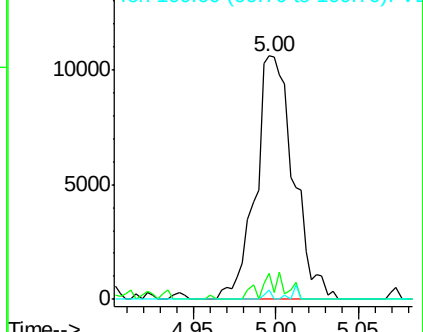
100 3.9 1.4 4.2



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: 0.109 ppbv m

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Tgt Ion: 43 Resp: 24897

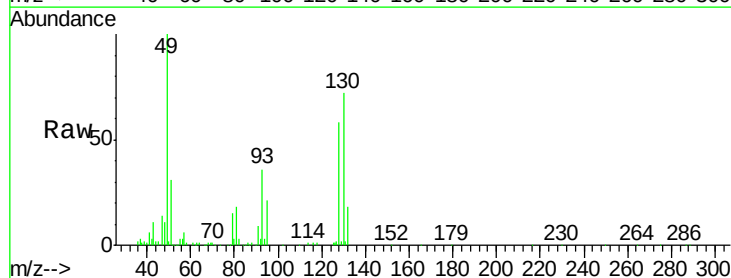
Ion Ratio Lower Upper

43 100

45 0.0 8.5 12.7#

61 0.0 8.1 12.1#

70 0.0 6.2 9.4#

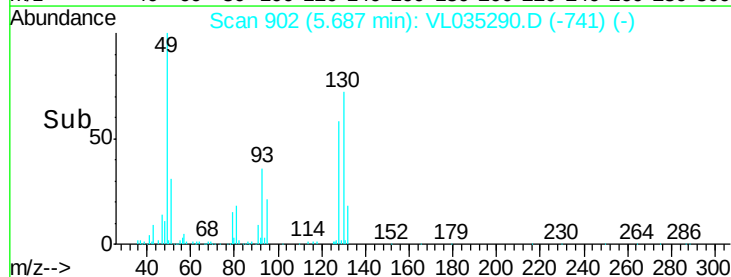
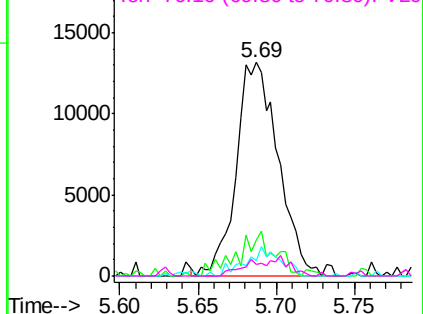


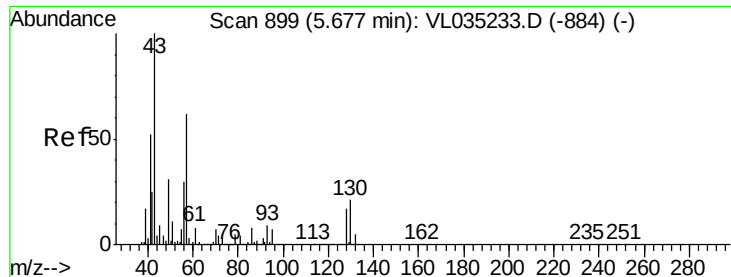
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.095 ppbv m

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

Tot Ion: 57 Resp: 9808

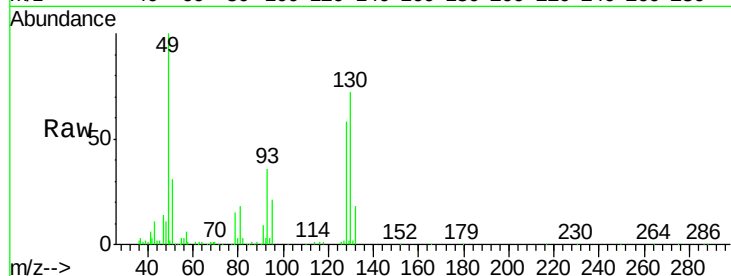
Ion Ratio Lower Upper

57 100

41 133.0 73.9 110.9#

43 256.6 177.6 266.4

56 71.7 43.0 64.4#

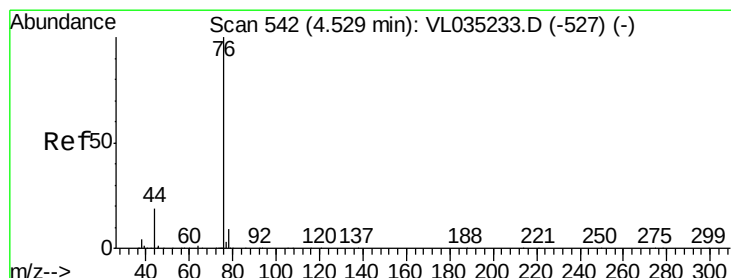
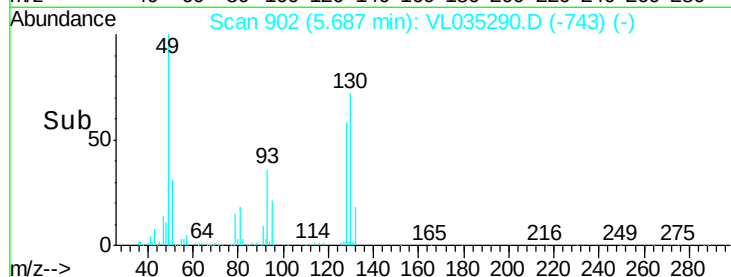
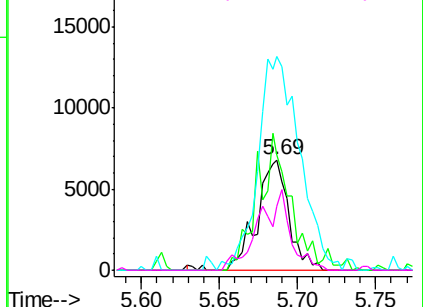


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.112 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

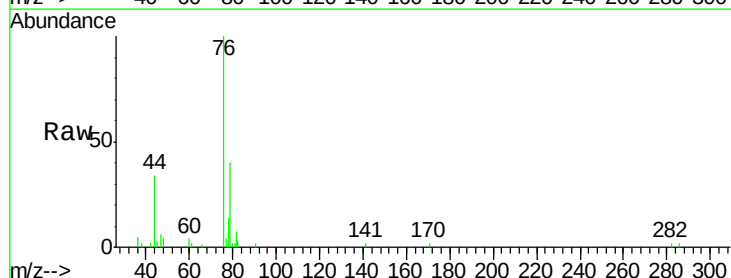
Tgt Ion: 76 Resp: 15620

Ion Ratio Lower Upper

76 100

44 58.4 14.7 22.1#

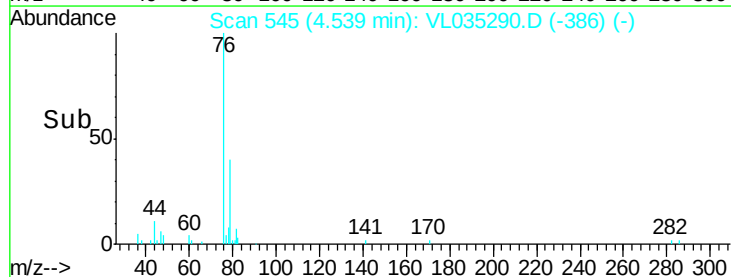
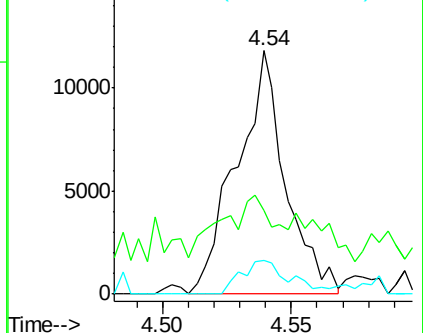
78 17.5 7.6 11.4#

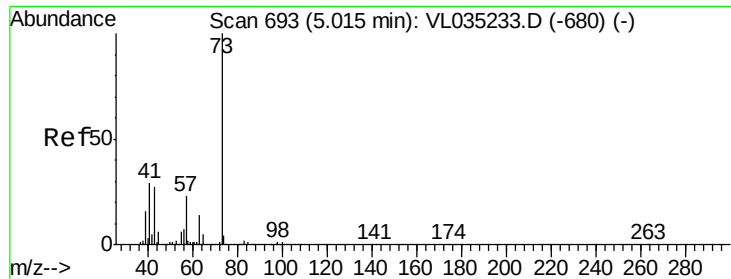


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

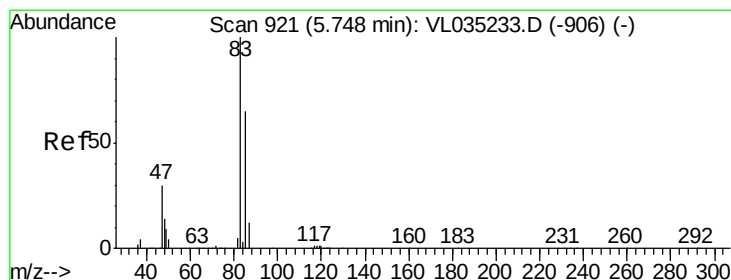
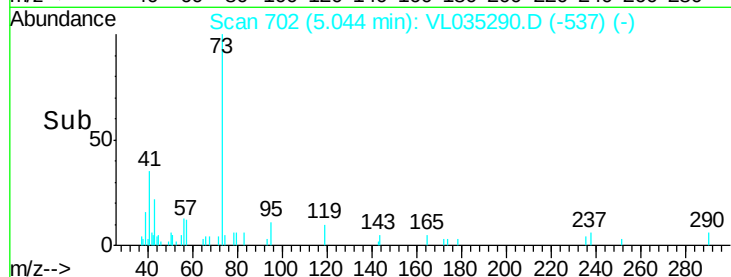
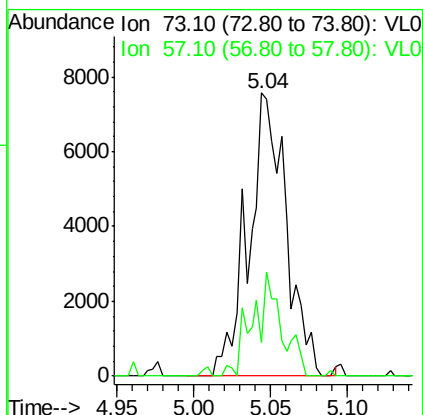
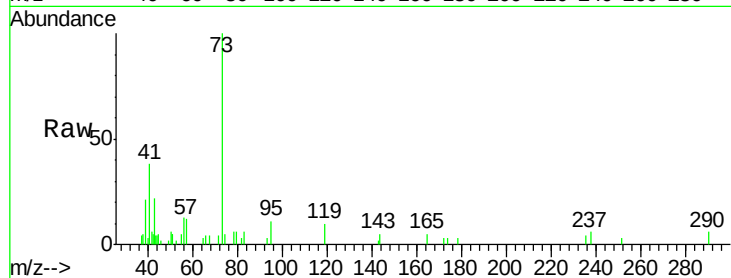




#28
Methyl tert-Butyl Ether
Concen: 0.087 ppbv m
RT: 5.04 min Scan# 702
Delta R.T. 0.03 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

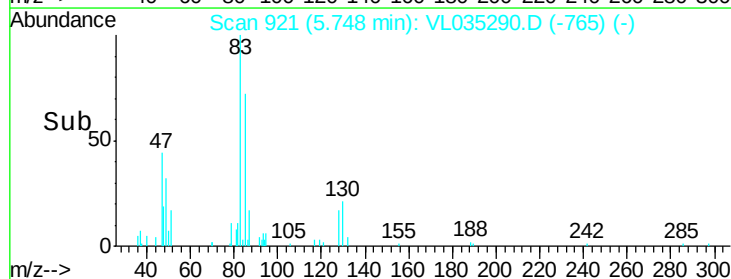
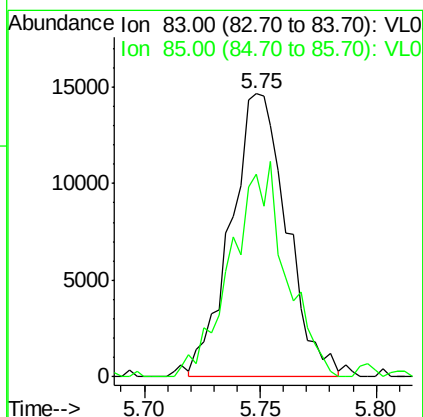
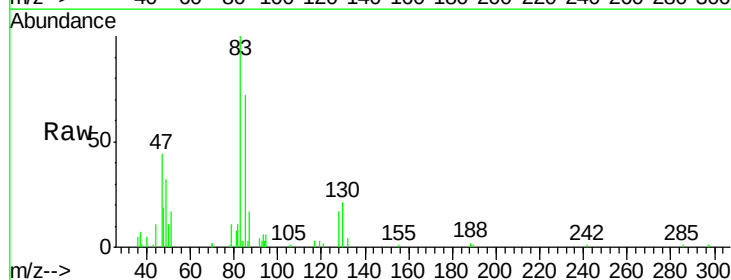
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

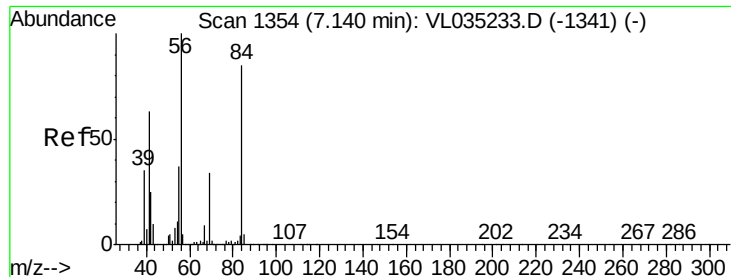
Tot Ion: 73 Resp: 12812
Ion Ratio Lower Upper
73 100
57 0.0 18.2 27.4#



#29
Chloroform
Concen: 0.142 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion: 83 Resp: 24572
Ion Ratio Lower Upper
83 100
85 73.3 51.7 77.5

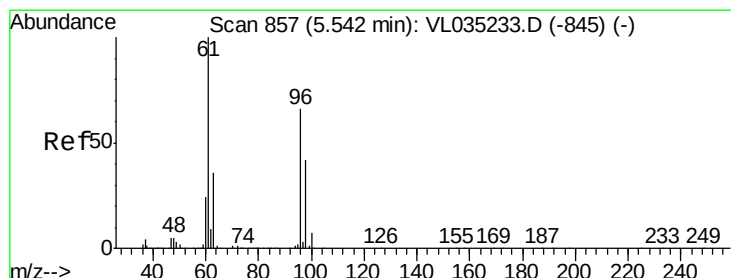
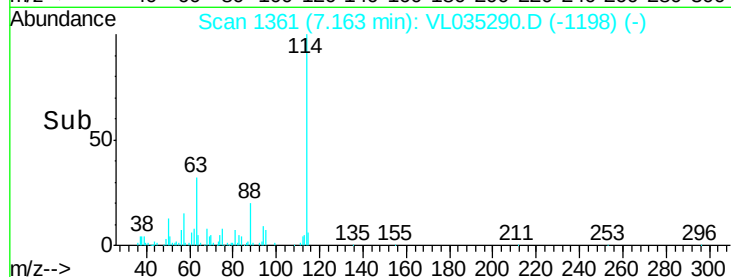
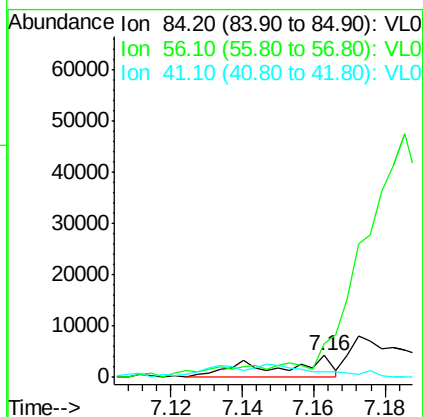
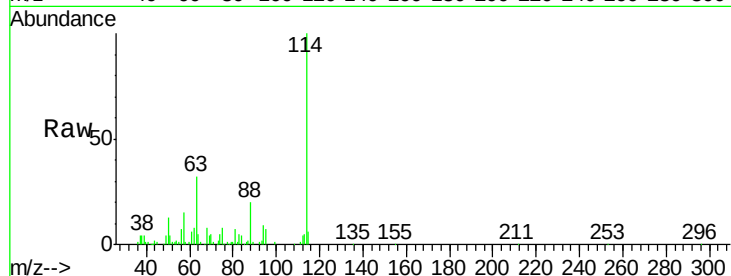




#30
Cyclohexane
Concen: 0.064 ppbv m
RT: 7.16 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

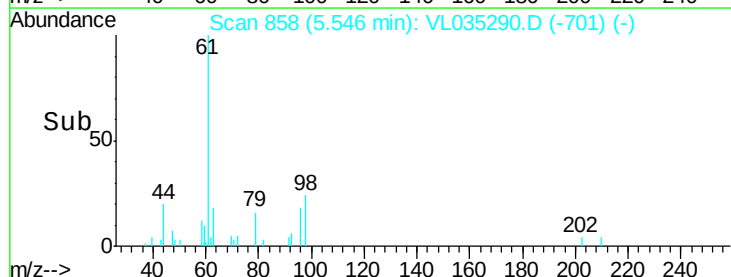
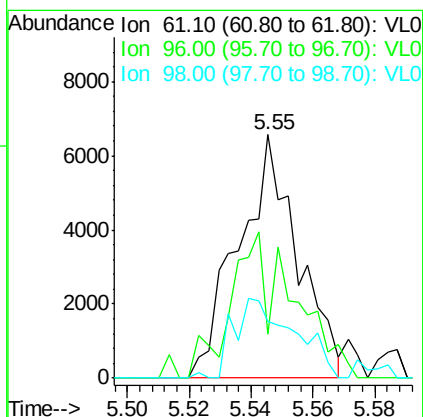
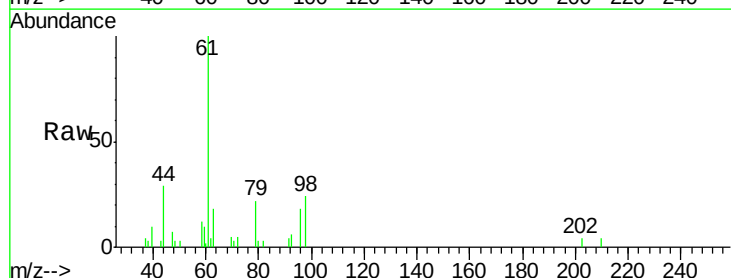
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

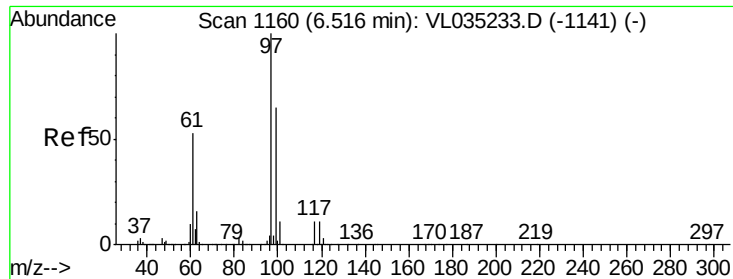
Tot Ion: 84 Resp: 4747
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 123.9 63.7 95.5#



#31
cis-1,2-Dichloroethene
Concen: 0.097 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion: 61 Resp: 8757
Ion Ratio Lower Upper
61 100
96 18.2 52.6 78.8#
98 23.5 33.7 50.5#





#32

1,1,1-Trichloroethane

Concen: 0.129 ppbv m

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

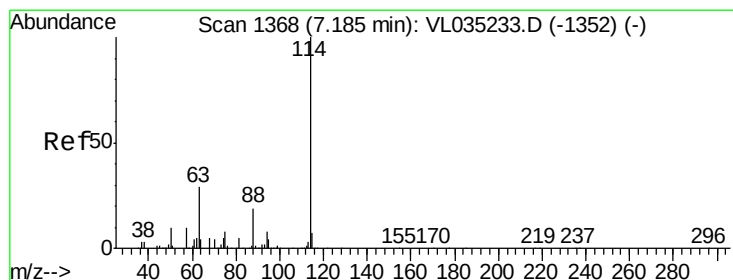
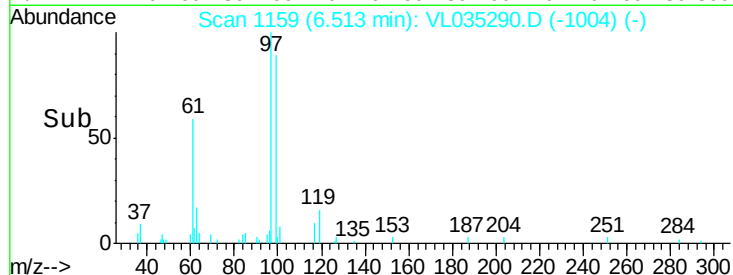
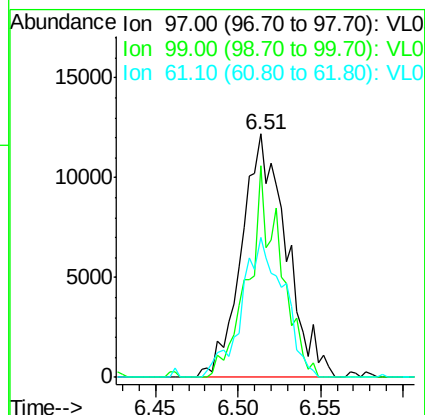
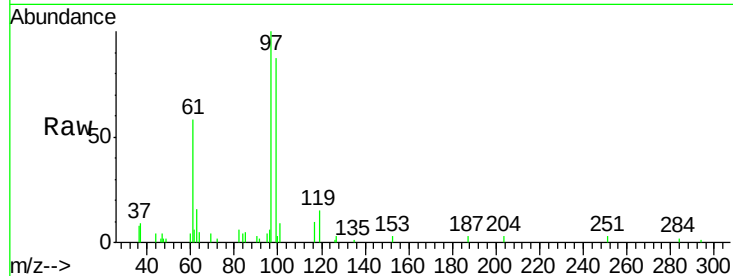
Tot Ion: 97 Resp: 22964

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 0.0 40.4 60.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

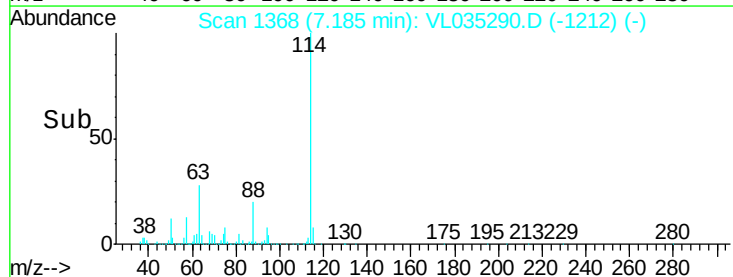
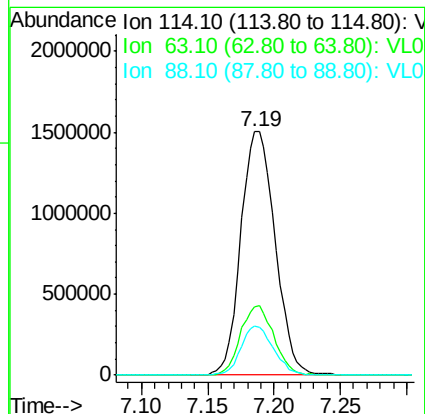
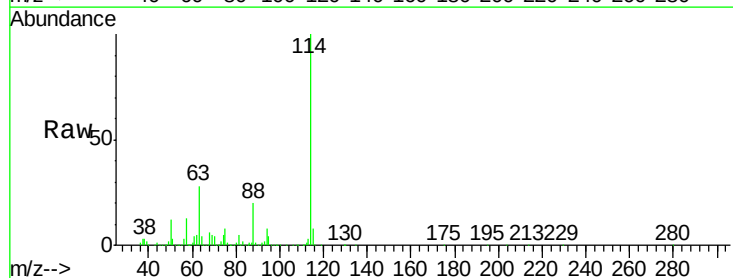
Tgt Ion: 114 Resp: 2707390

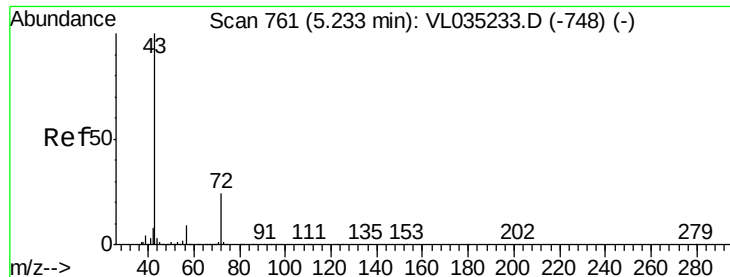
Ion Ratio Lower Upper

114 100

63 27.8 22.2 33.2

88 19.2 15.4 23.0





#34

2-Butanone

Concen: 0.103 ppbv m

RT: 5.27 min Scan# 771

Delta R.T. 0.03 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

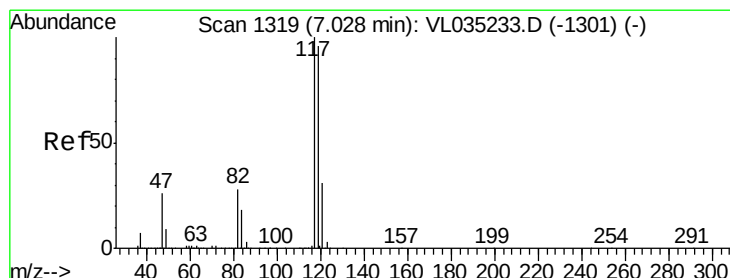
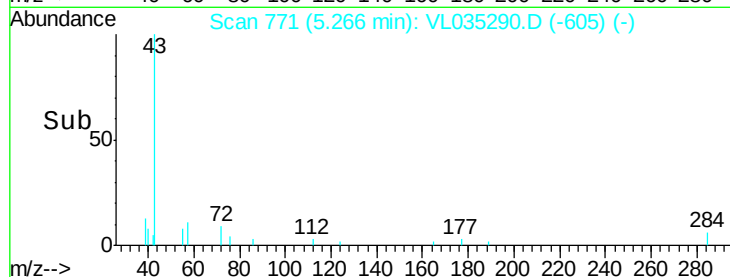
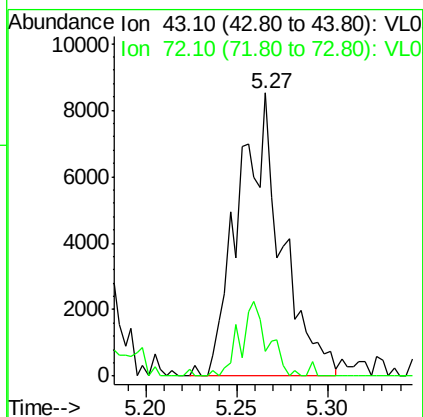
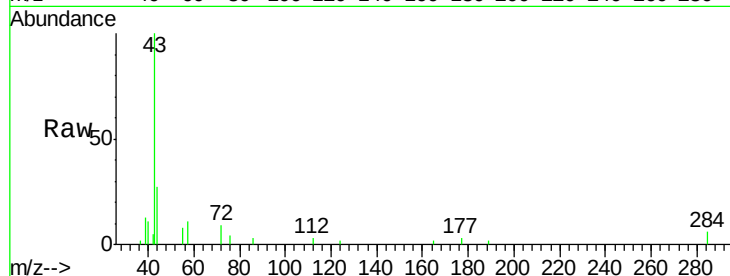
MDL-AIR-01-QT3-2020

Tot Ion: 43 Resp: 14130

Ion Ratio Lower Upper

43 100

72 17.6 19.2 28.8#



#35

Carbon Tetrachloride

Concen: 0.127 ppbv m

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

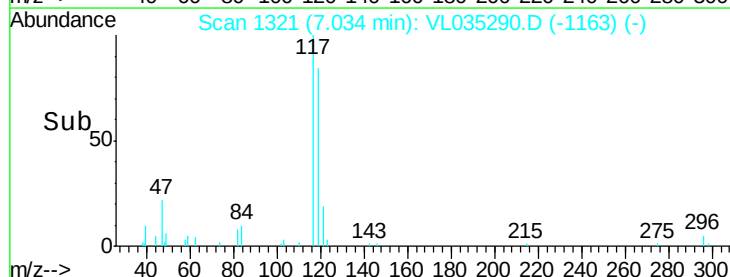
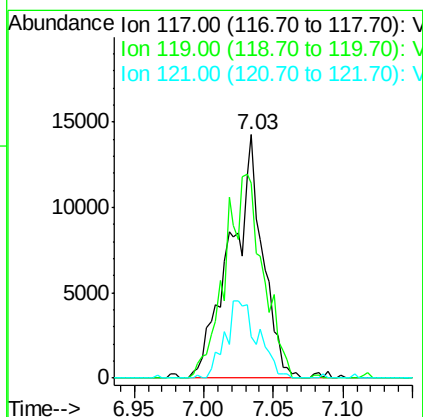
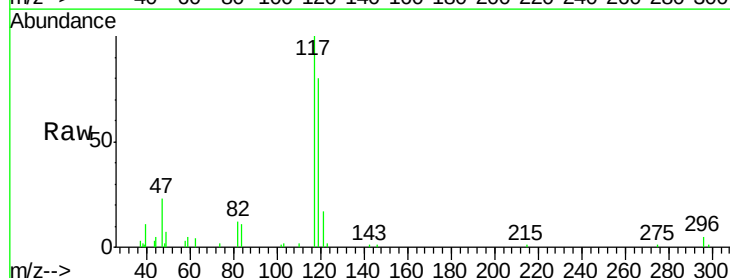
Tgt Ion: 117 Resp: 23064

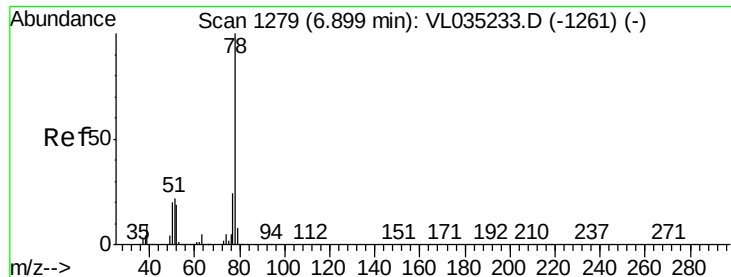
Ion Ratio Lower Upper

117 100

119 80.2 76.8 115.2

121 17.2 24.5 36.7#





#36

Benzene

Concen: 0.080 ppbv m

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

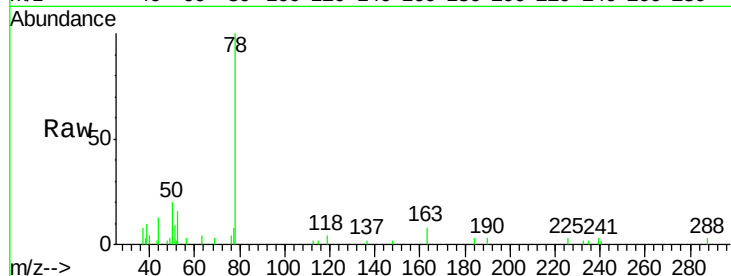
Tot Ion: 78 Resp: 14997

Ion Ratio Lower Upper

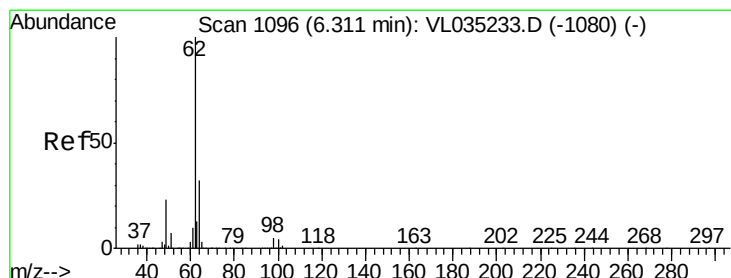
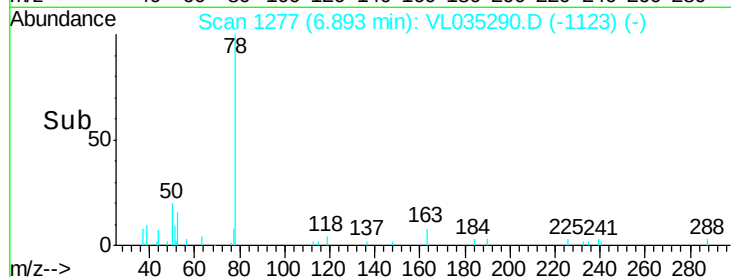
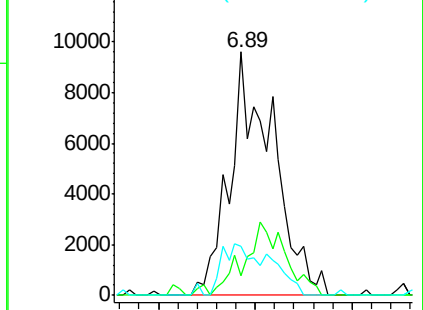
78 100

77 8.2 18.9 28.3#

50 20.0 16.1 24.1



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.115 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VL035290.D

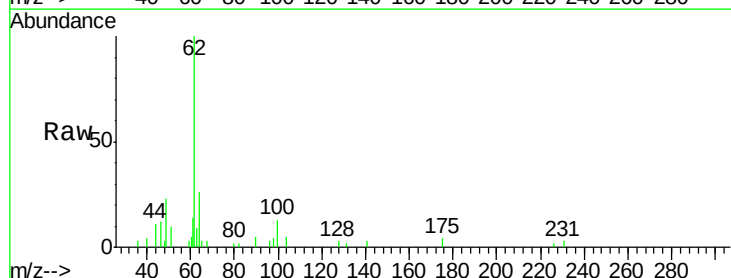
Acq: 30 Jul 2020 21:56

Tgt Ion: 62 Resp: 15065

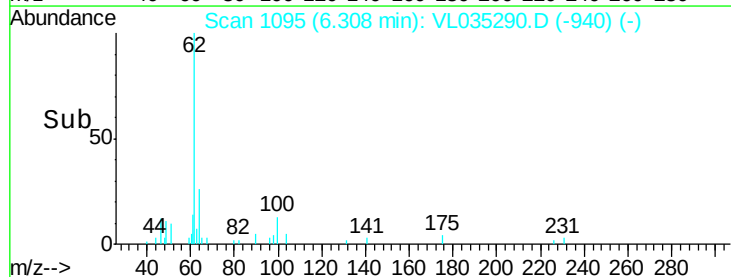
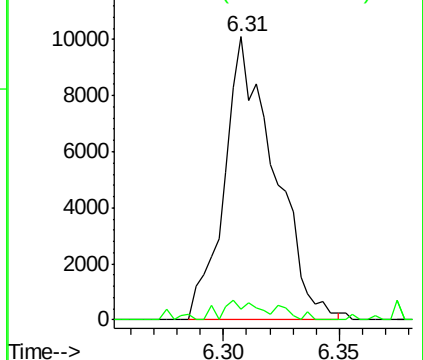
Ion Ratio Lower Upper

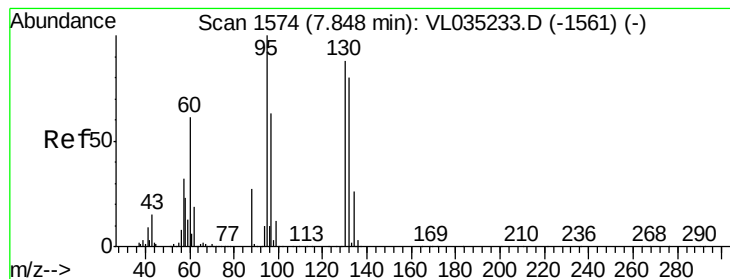
62 100

98 7.6 4.5 6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.100 ppbv m

RT: 7.86 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

Tot Ion:130 Resp: 7786

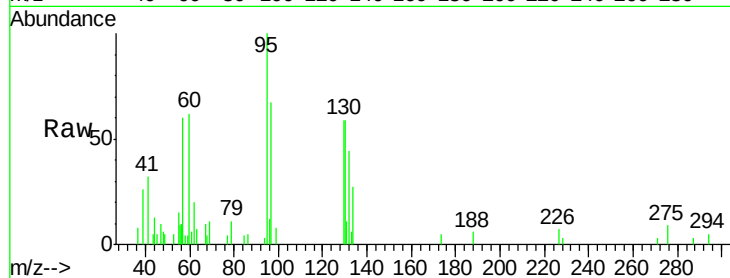
Ion Ratio Lower Upper

130 100

95 168.5 90.7 136.1#

132 73.9 72.9 109.3

97 113.3 57.1 85.7#

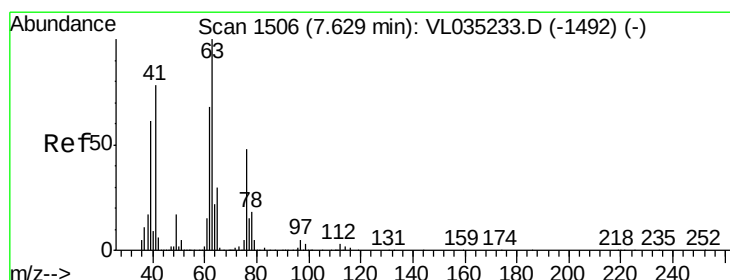
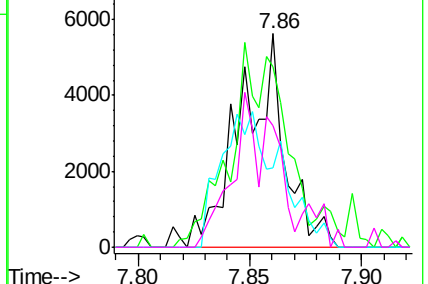
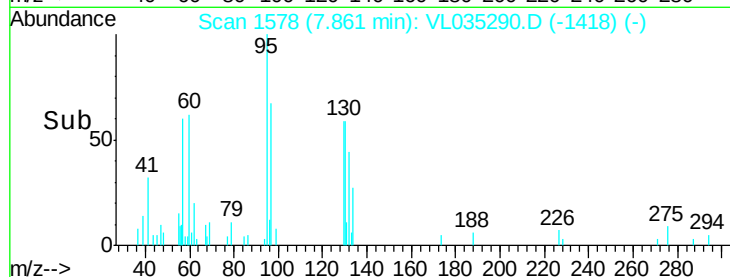


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.121 ppbv m

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

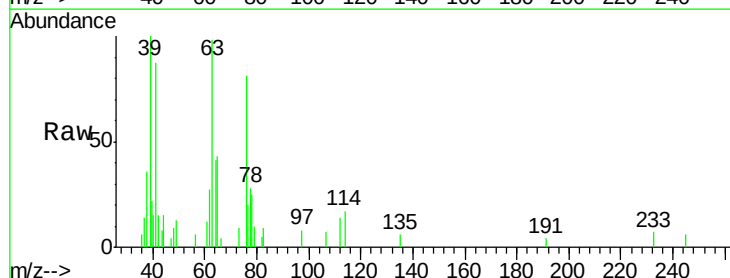
Tgt Ion: 63 Resp: 9120

Ion Ratio Lower Upper

63 100

41 88.1 62.2 93.4

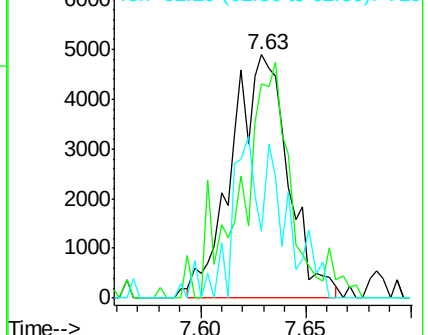
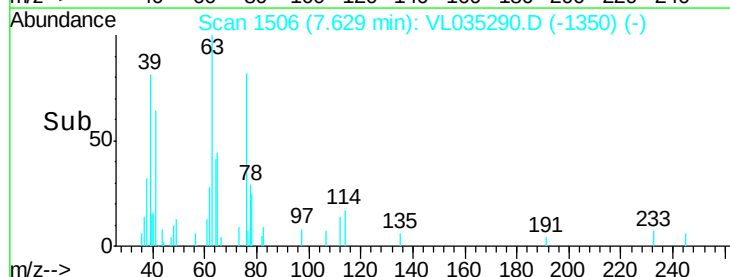
62 27.7 54.2 81.2#

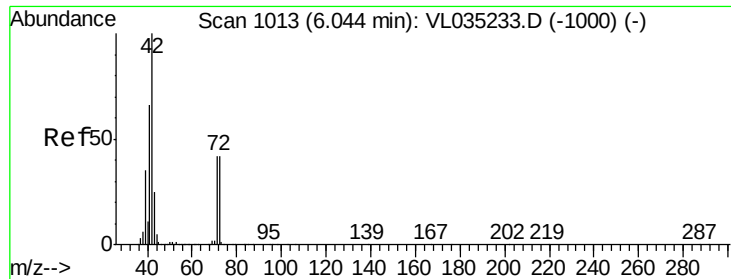


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.065 ppbv m

RT: 6.08 min Scan# 1025

Delta R.T. 0.04 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

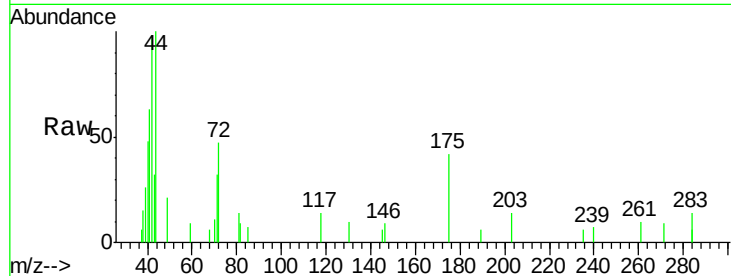
Tot Ion: 42 Resp: 4398

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

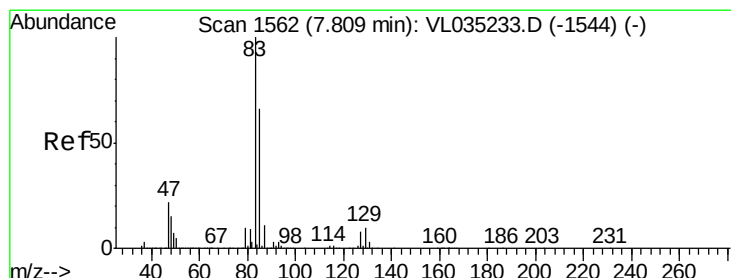
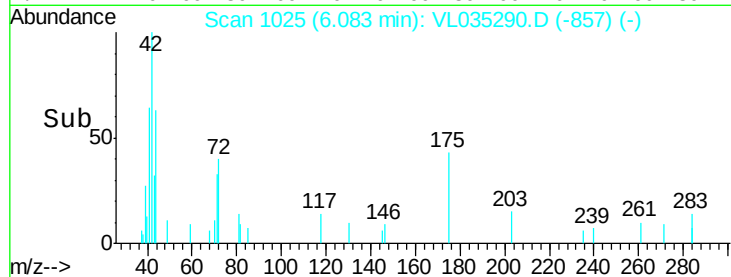
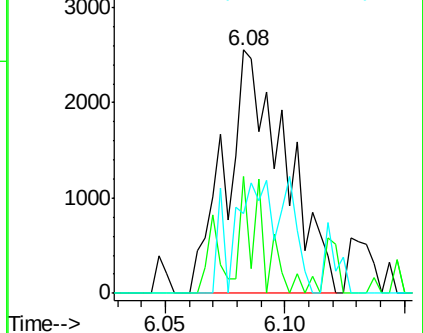
71 0.0 33.2 49.8#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.111 ppbv m

RT: 7.81 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

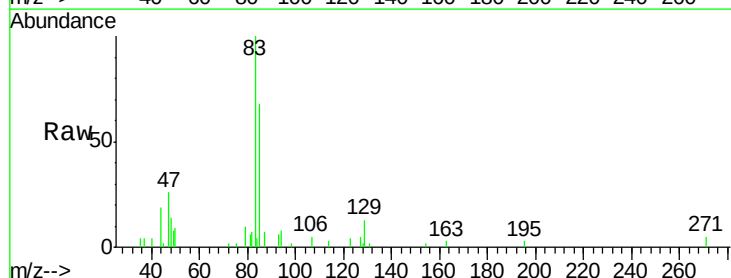
Tgt Ion: 83 Resp: 19517

Ion Ratio Lower Upper

83 100

85 67.7 52.9 79.3

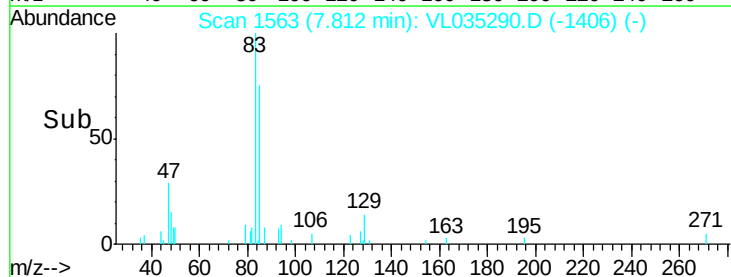
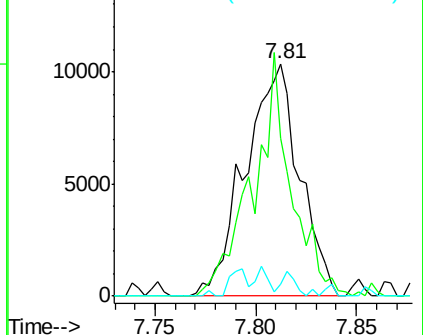
127 5.2 6.5 9.7#

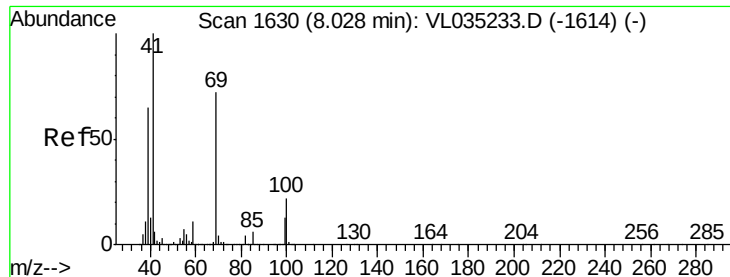


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.073 ppbv m

RT: 8.04 min Scan# 1634

Delta R.T. 0.01 min

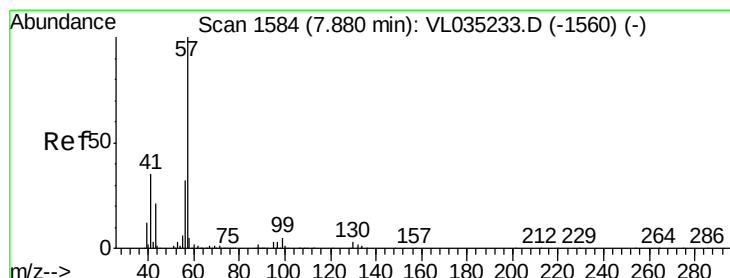
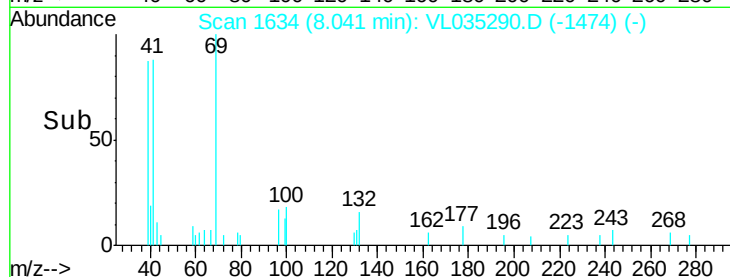
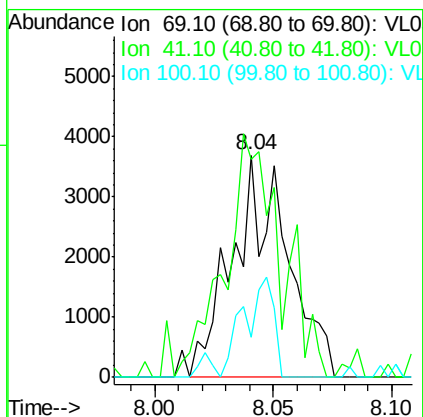
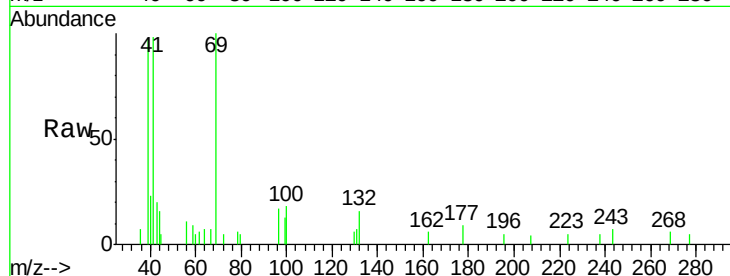
Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tot Ion: 69 Resp: 5940

Ion	Ratio	Lower	Upper
69	100		
41	0.0	113.0	169.4#
100	0.0	25.3	37.9#



#44

2,2,4-Trimethylpentane

Concen: 0.059 ppbv m

RT: 7.88 min Scan# 1585

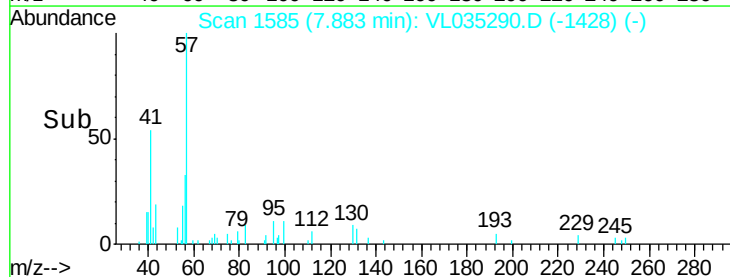
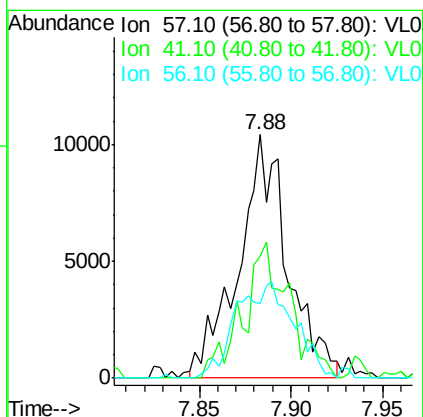
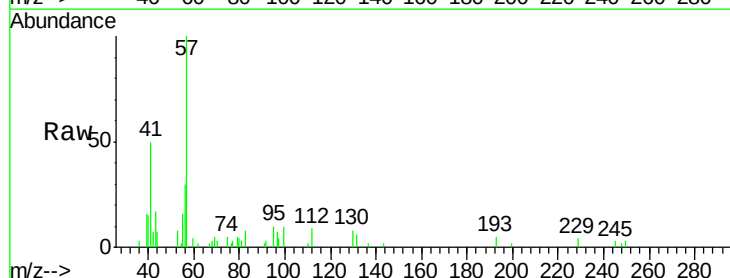
Delta R.T. 0.00 min

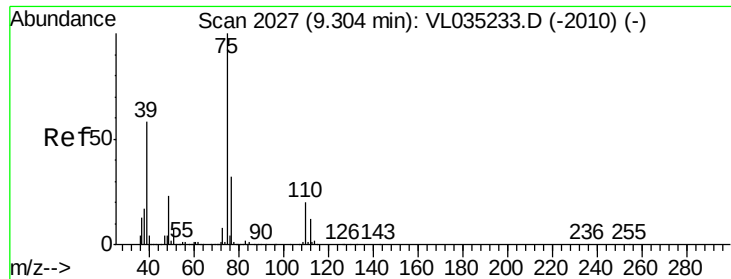
Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Tgt Ion: 57 Resp: 19496

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.0	40.4#
56	0.0	25.6	38.4#





#45

t-1,3-Dichloropropene

Concen: 0.073 ppbv m

RT: 9.31 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

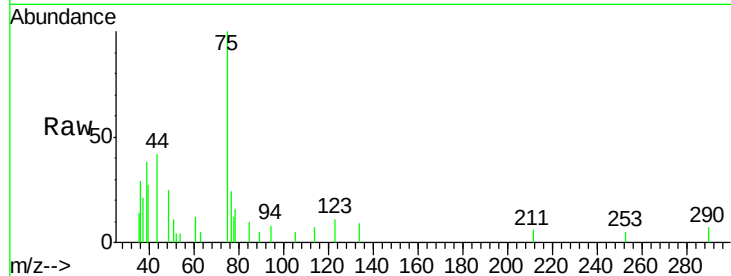
MDL-AIR-01-QT3-2020

Tot Ion: 75 Resp: 6002

Ion Ratio Lower Upper

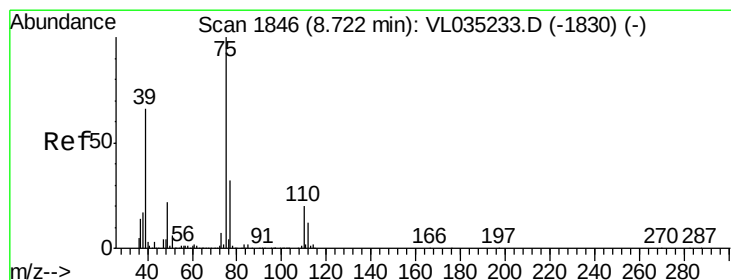
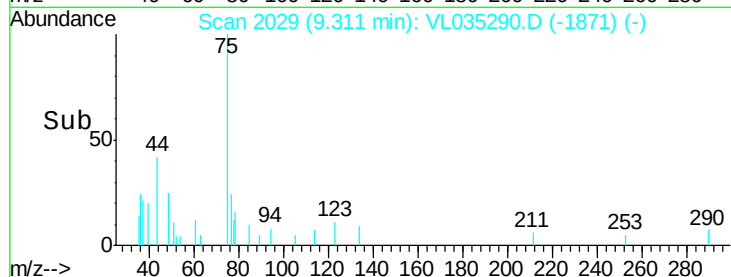
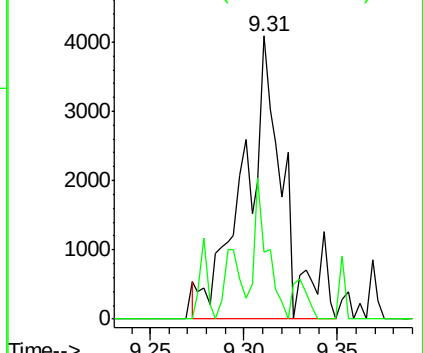
75 100

77 23.8 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: 0.069 ppbv m

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

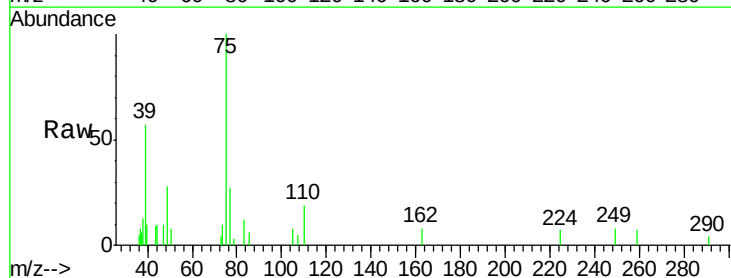
Tgt Ion: 75 Resp: 6915

Ion Ratio Lower Upper

75 100

39 57.4 53.0 79.4

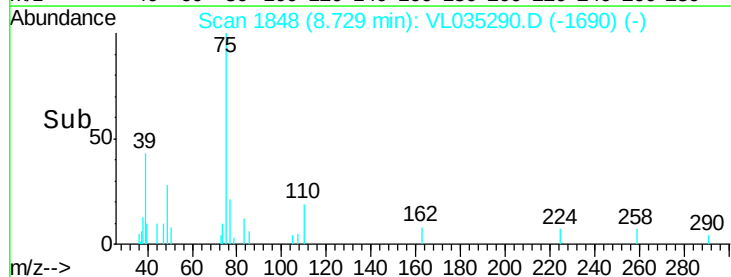
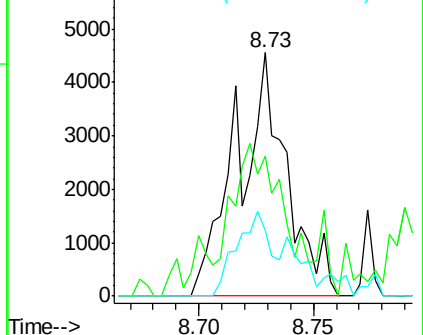
77 27.2 25.8 38.8

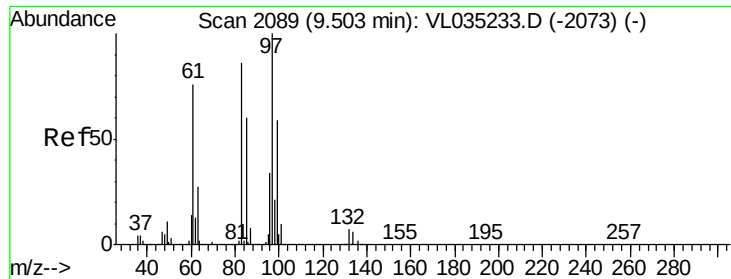


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

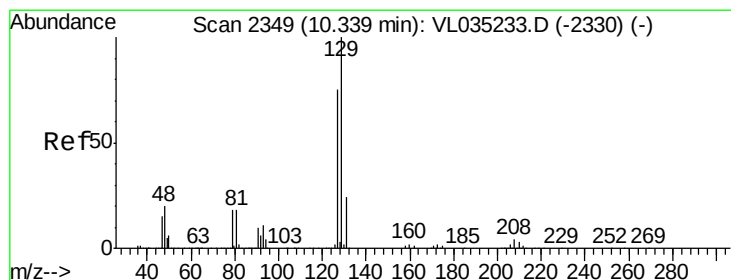
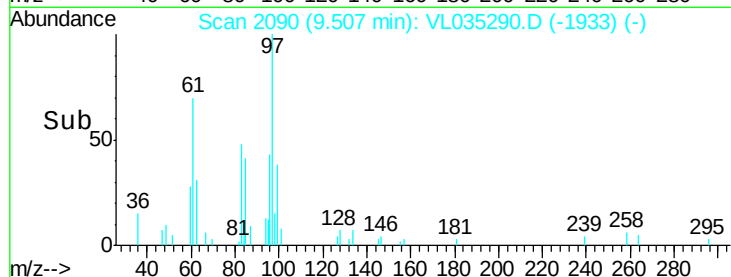
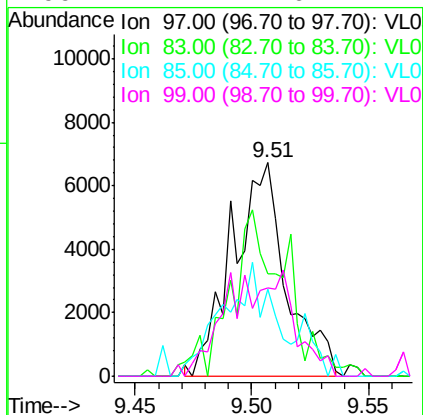
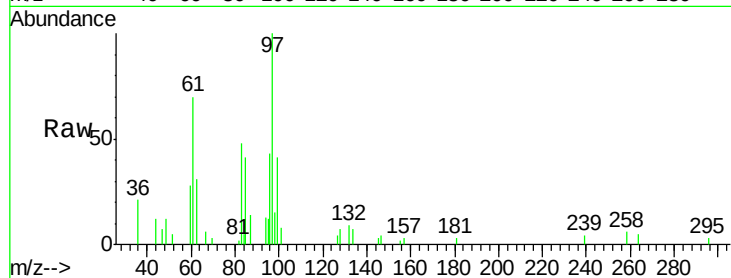




#47
 1,1,2-Trichloroethane
 Concen: 0.122 ppbv m
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

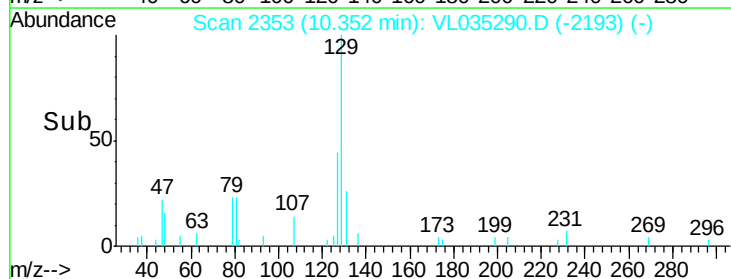
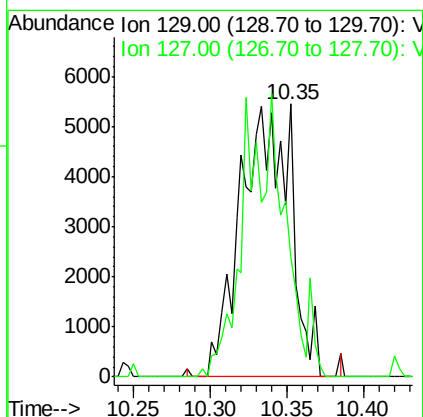
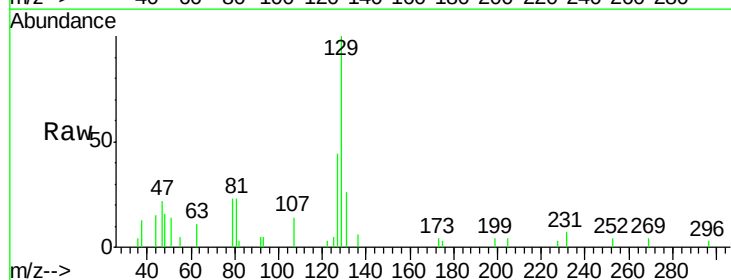
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

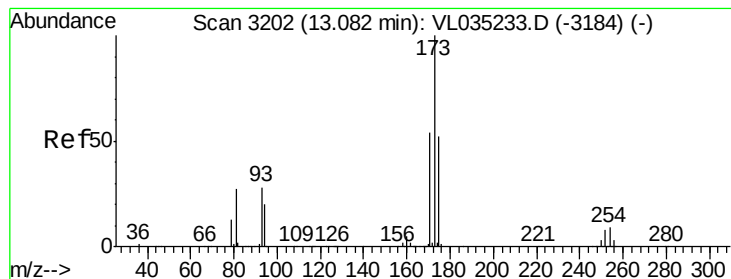
Tot Ion: 97 Resp: 10803
 Ion Ratio Lower Upper
 97 100
 83 47.8 69.0 103.4#
 85 41.0 47.8 71.8#
 99 41.4 47.6 71.4#



#48
 Dibromochloromethane
 Concen: 0.088 ppbv m
 RT: 10.35 min Scan# 2353
 Delta R.T. 0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Tgt Ion: 129 Resp: 12345
 Ion Ratio Lower Upper
 129 100
 127 84.6 39.6 119.0





#49

Bromoform

Concen: 0.083 ppbv m

RT: 13.09 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

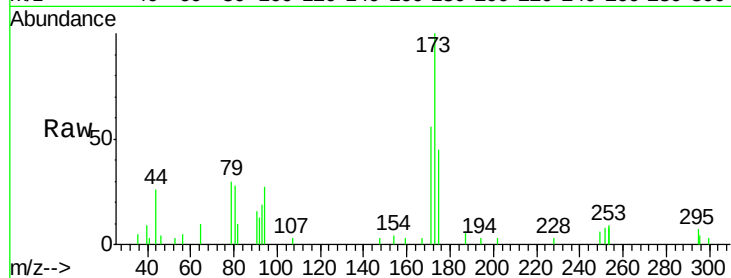
Tot Ion:173 Resp: 10388

Ion Ratio Lower Upper

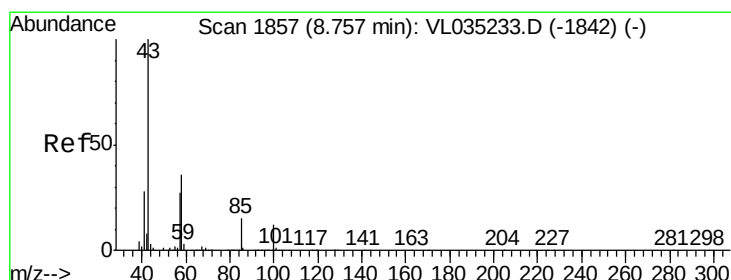
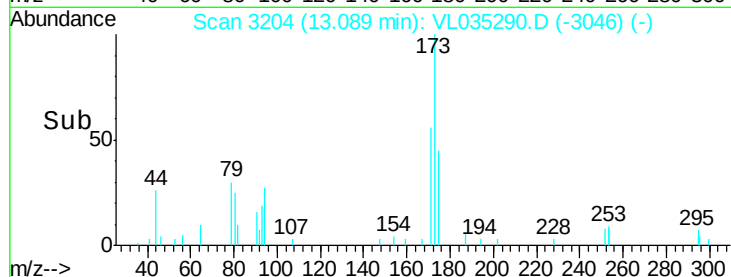
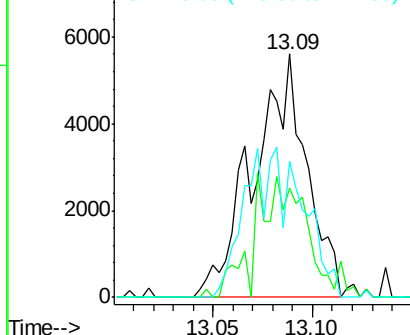
173 100

175 0.0 40.0 60.0#

171 66.3 41.8 62.8#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.062 ppbv m

RT: 8.80 min Scan# 1869

Delta R.T. 0.04 min

Lab File: VL035290.D

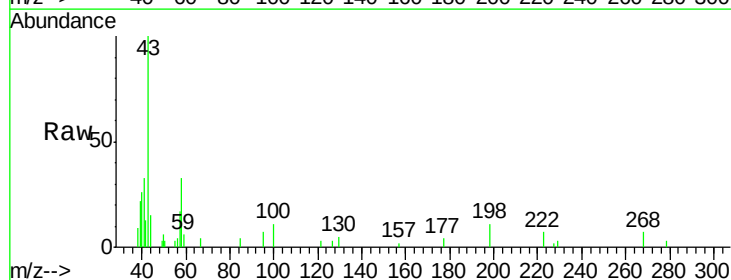
Acq: 30 Jul 2020 21:56

Tgt Ion: 43 Resp: 12320

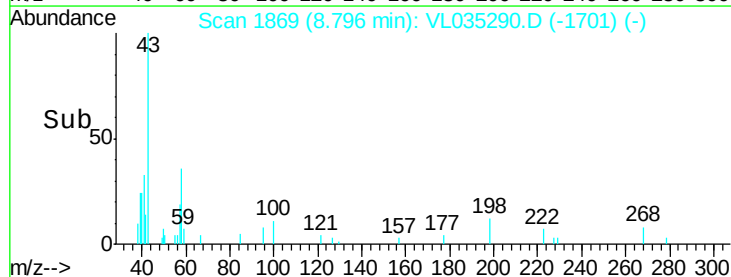
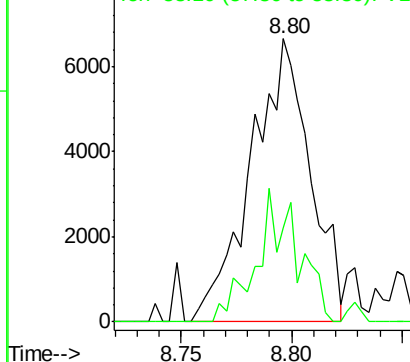
Ion Ratio Lower Upper

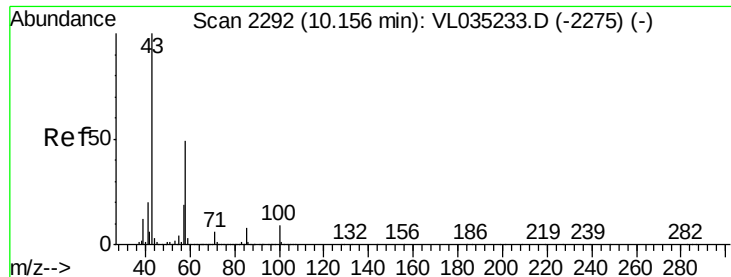
43 100

58 0.0 30.0 45.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

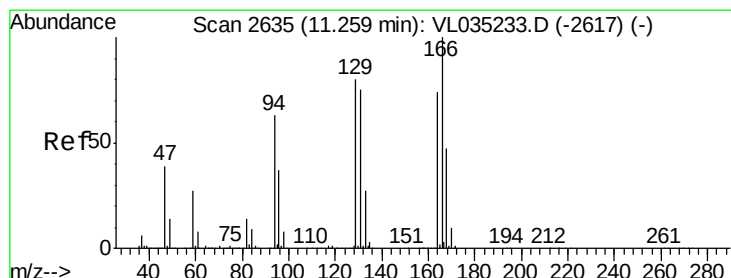
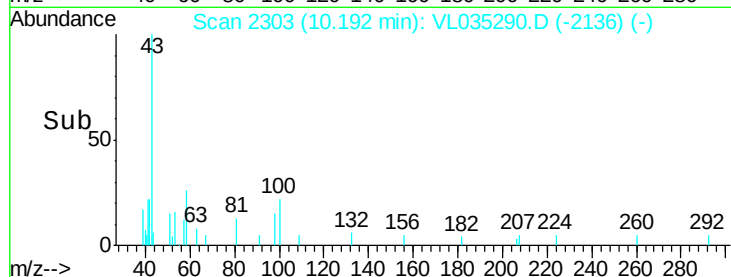
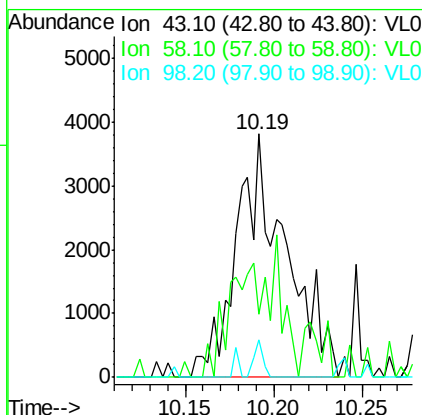
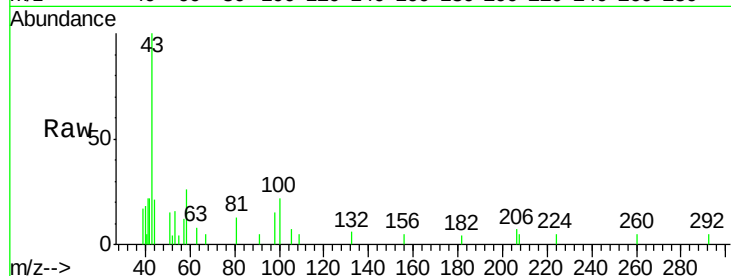




#51
2-Hexanone
Concen: 0.049 ppbv m
RT: 10.19 min Scan# 2303
Delta R.T. 0.04 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

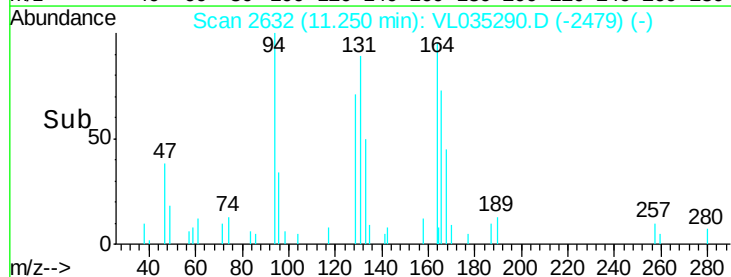
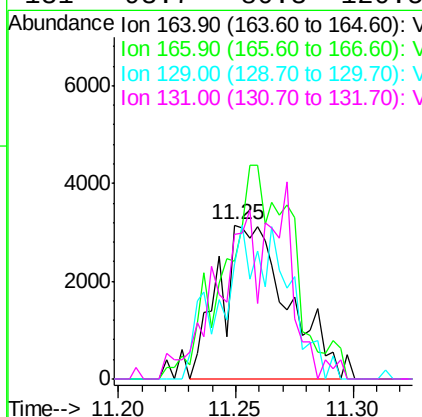
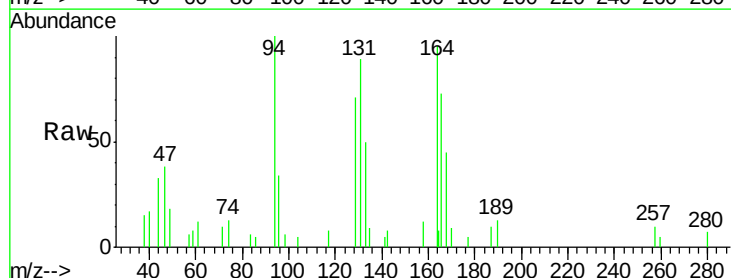
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

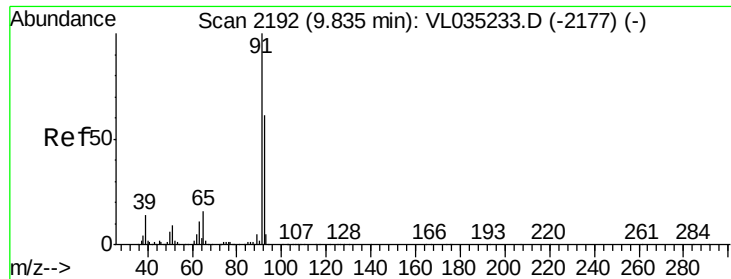
Tot Ion: 43 Resp: 7378
Ion Ratio Lower Upper
43 100
58 0.0 38.8 58.2#
98 0.0 0.6 0.8#



#52
Tetrachloroethene
Concen: 0.089 ppbv m
RT: 11.25 min Scan# 2632
Delta R.T. -0.01 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion: 164 Resp: 6380
Ion Ratio Lower Upper
164 100
166 76.3 107.5 161.3#
129 74.8 86.0 129.0#
131 93.7 80.3 120.5





#53

Toluene

Concen: 0.061 ppbv m

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

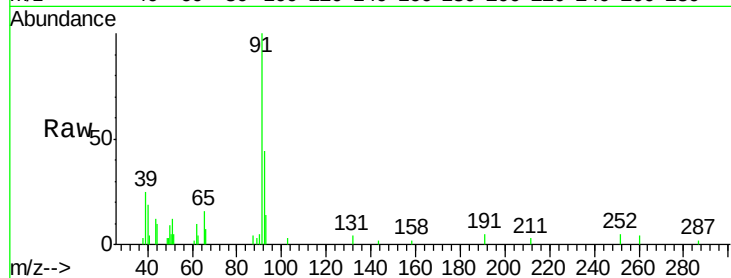
MDL-AIR-01-QT3-2020

Tot Ion: 91 Resp: 12212

Ion Ratio Lower Upper

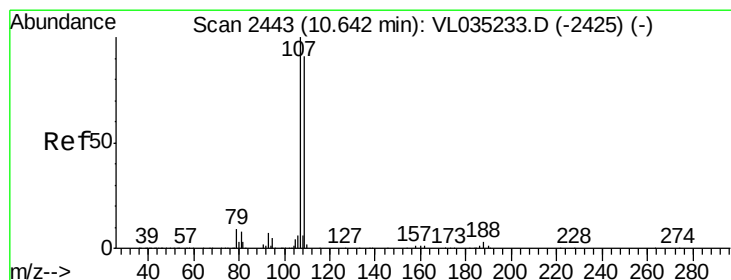
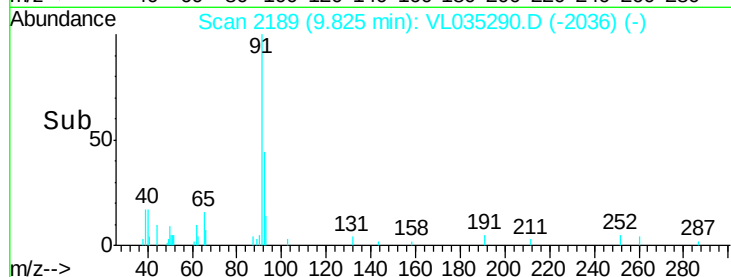
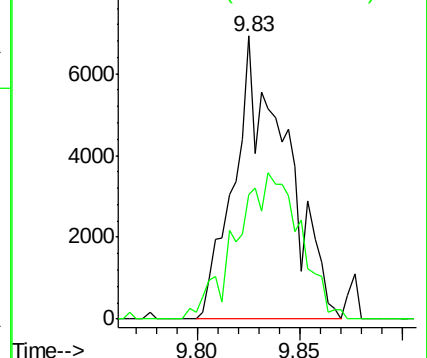
91 100

92 63.5 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.092 ppbv m

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL035290.D

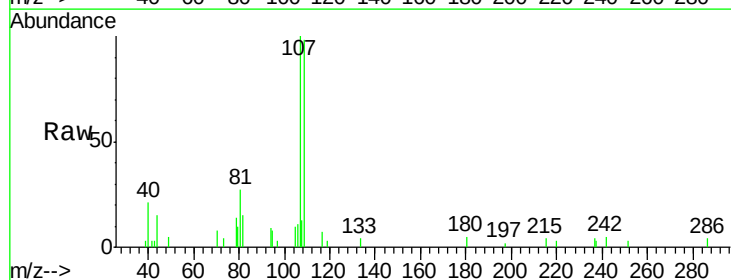
Acq: 30 Jul 2020 21:56

Tgt Ion: 107 Resp: 11757

Ion Ratio Lower Upper

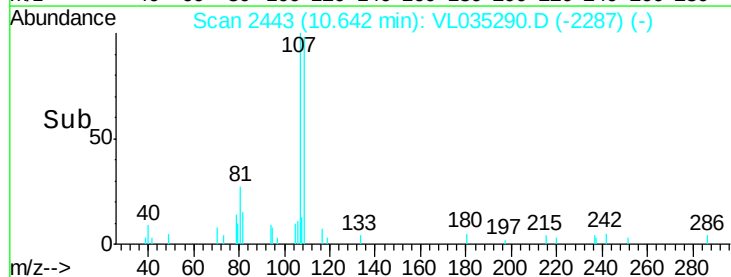
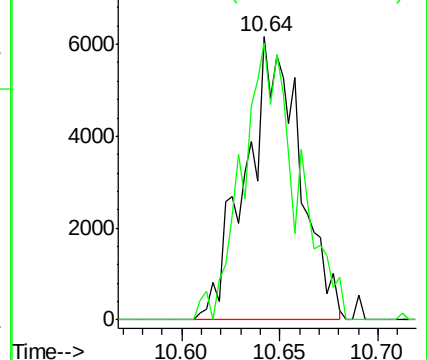
107 100

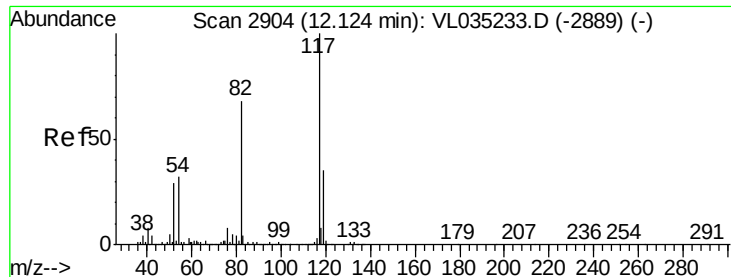
109 97.9 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

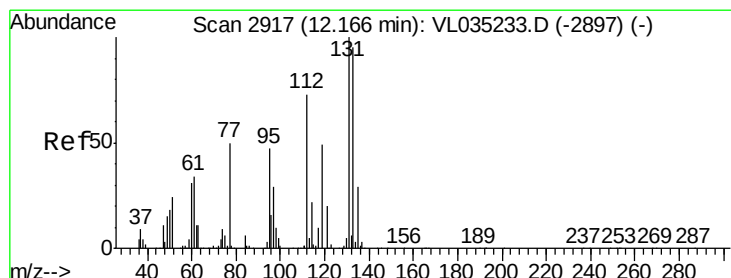
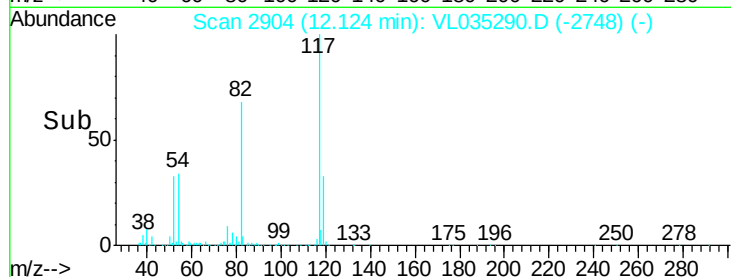
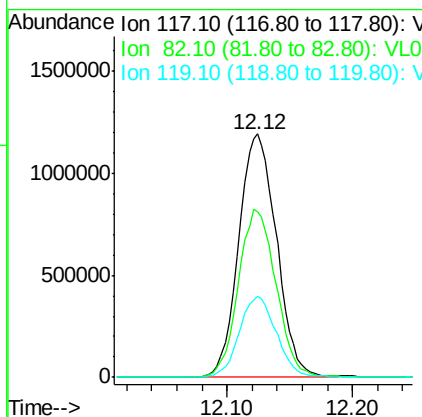
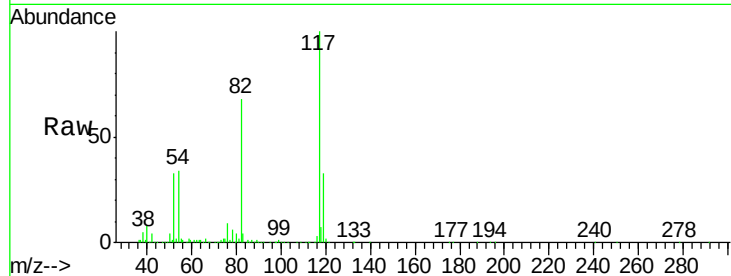




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

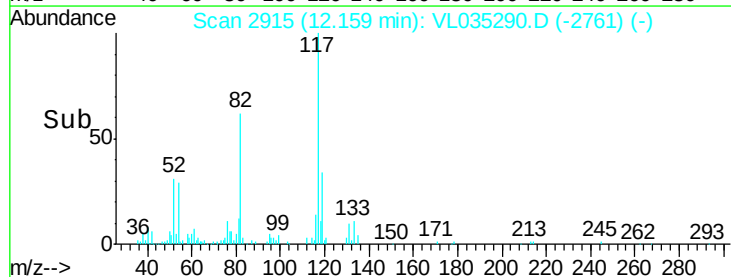
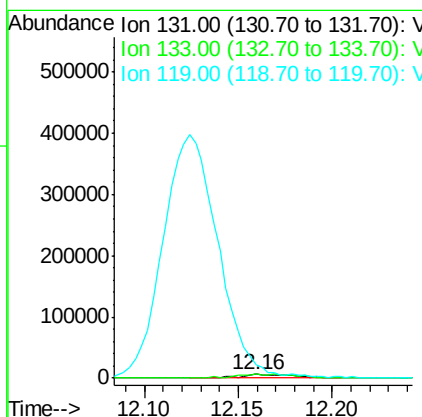
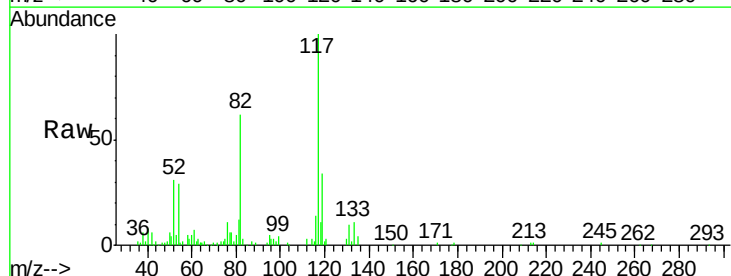
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

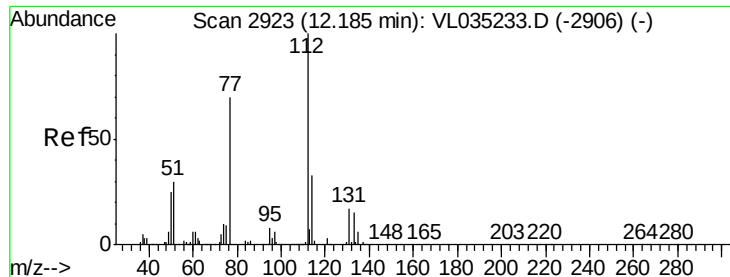
Tot Ion:117 Resp: 2497311
Ion Ratio Lower Upper
117 100
82 69.2 52.4 78.6
119 32.8 24.6 36.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.112 ppbv m
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion:131 Resp: 12850
Ion Ratio Lower Upper
131 100
133 118.8 76.1 114.1#
119 0.0 44.3 66.5#

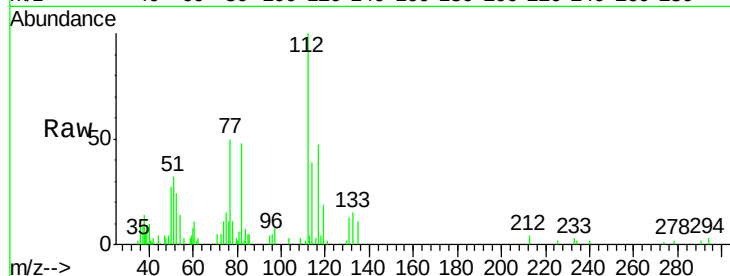




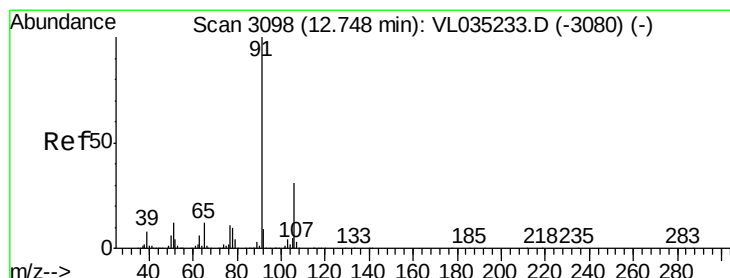
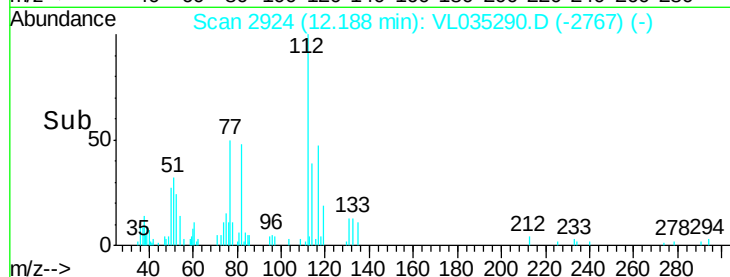
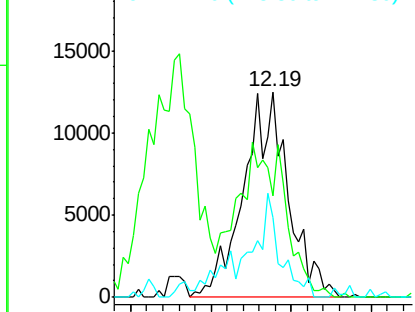
#57
Chlorobenzene
Concen: 0.127 ppbv m
RT: 12.19 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

Tot Ion: 112 Resp: 23872
Ion Ratio Lower Upper
112 100
77 49.5 57.3 85.9#
114 39.1 29.3 35.8#

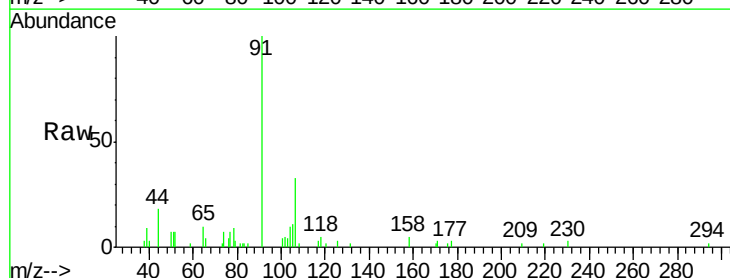


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

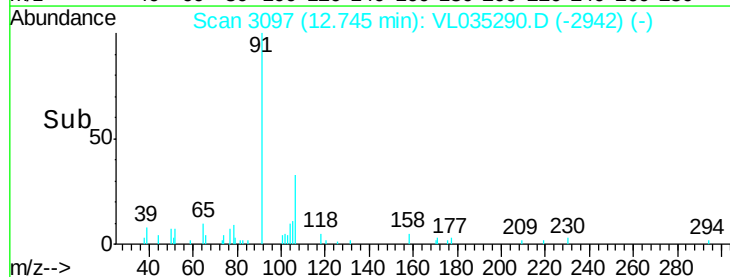
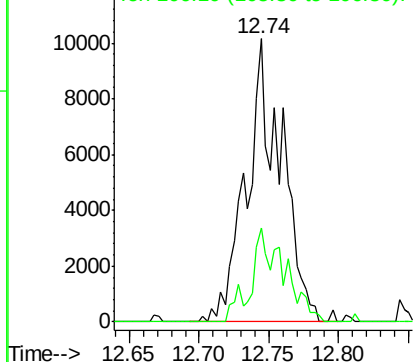


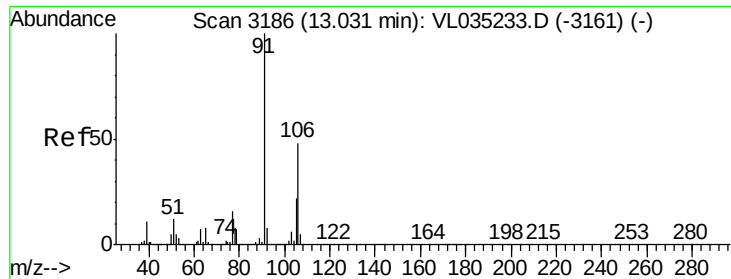
#58
Ethyl Benzene
Concen: 0.067 ppbv m
RT: 12.74 min Scan# 3097
Delta R.T. -0.00 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion: 91 Resp: 17749
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.6



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

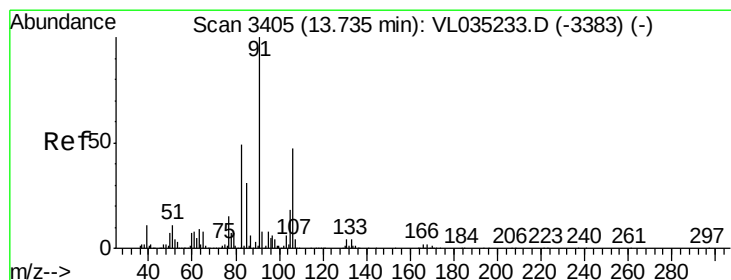
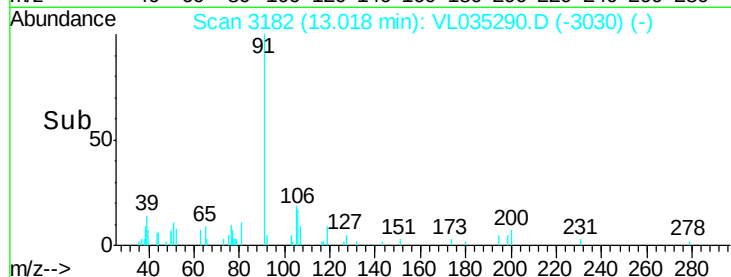
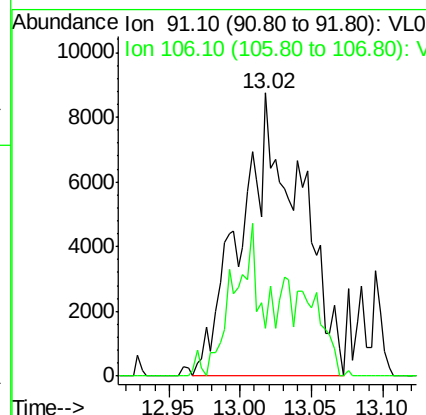
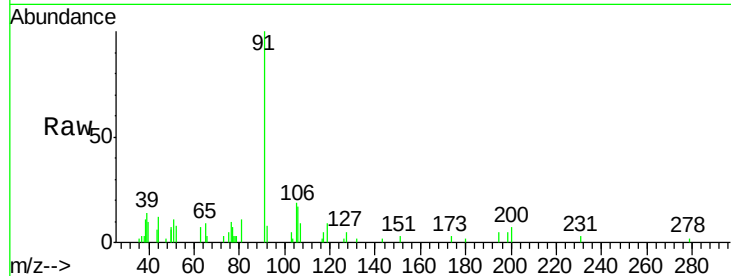




#59
m/p-Xylene
Concen: 0.104 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

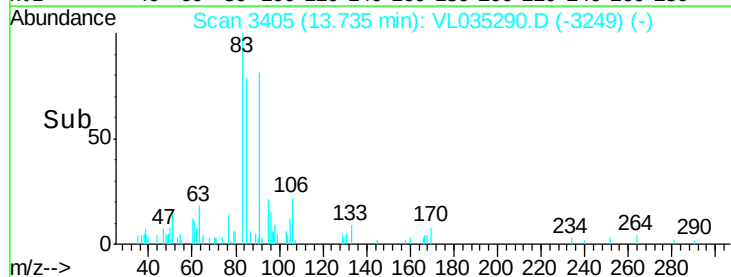
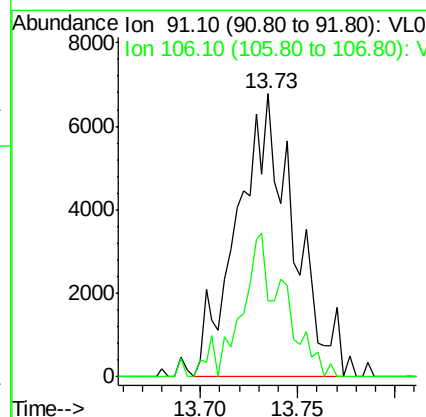
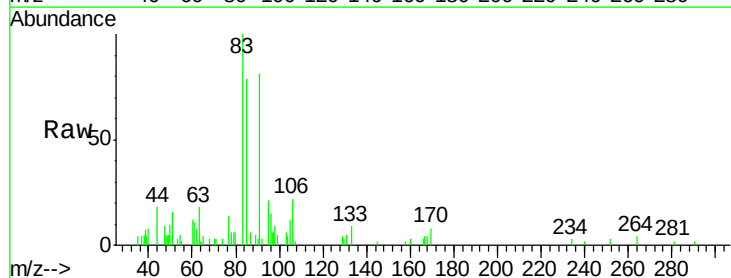
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT3-2020

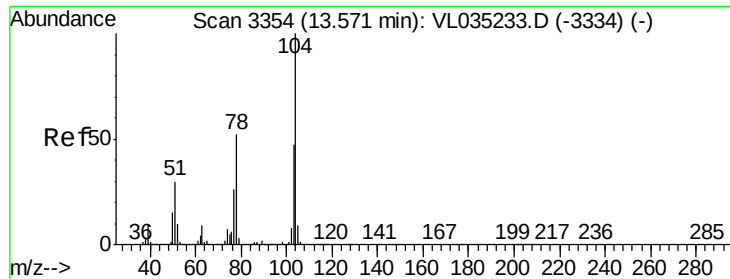
Tot Ion: 91 Resp: 25613
Ion Ratio Lower Upper
91 100
106 26.7 37.2 55.8#



#60
o-Xylene
Concen: 0.055 ppbv m
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL035290.D
Acq: 30 Jul 2020 21:56

Tgt Ion: 91 Resp: 13611
Ion Ratio Lower Upper
91 100
106 39.7 22.4 67.0





#61

Stvrene

Concen: 0.056 ppbv m

RT: 13.56 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

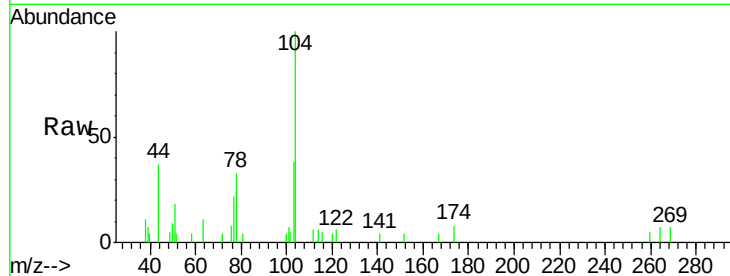
Tot Ion:104 Resp: 8394

Ion Ratio Lower Upper

104 100

78 50.0 43.3 64.9

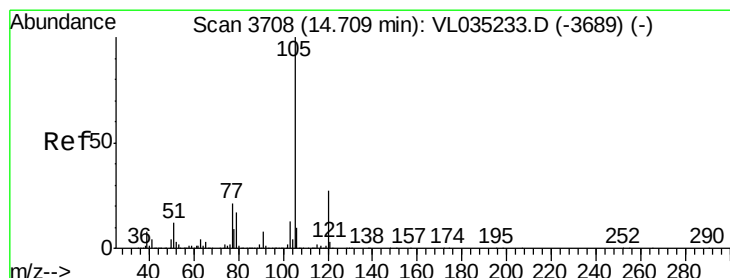
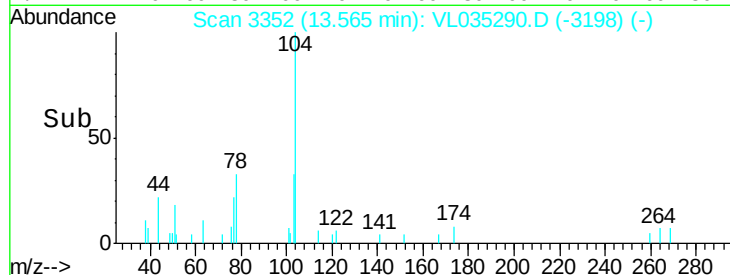
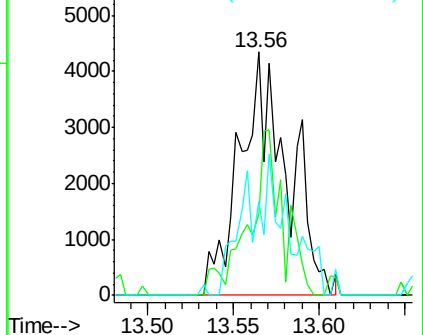
103 52.3 38.2 57.2



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: 0.062 ppbv m

RT: 14.72 min Scan# 3711

Delta R.T. 0.01 min

Lab File: VL035290.D

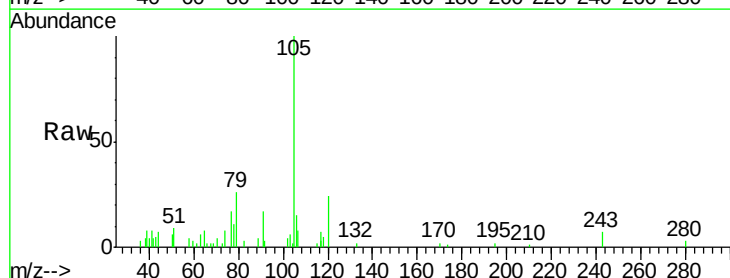
Acq: 30 Jul 2020 21:56

Tgt Ion:105 Resp: 22820

Ion Ratio Lower Upper

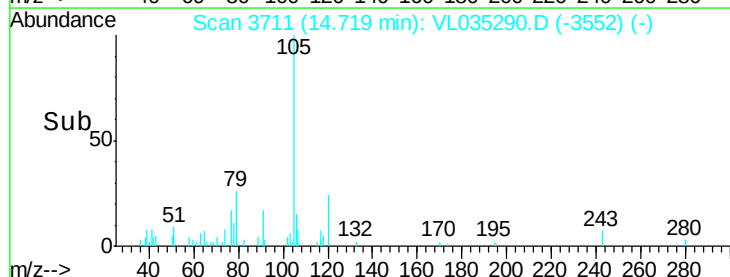
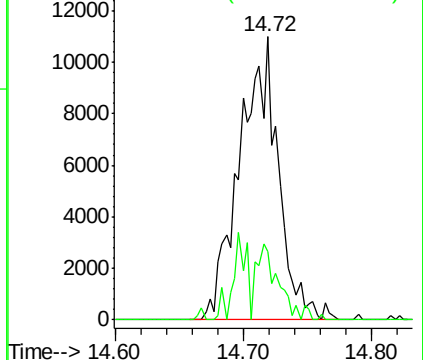
105 100

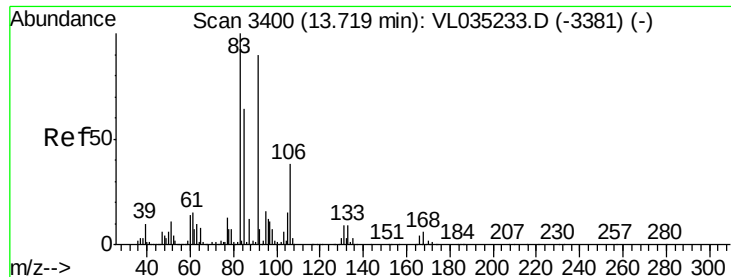
120 2.2 20.8 31.2#



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: 0.102 ppbv m

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

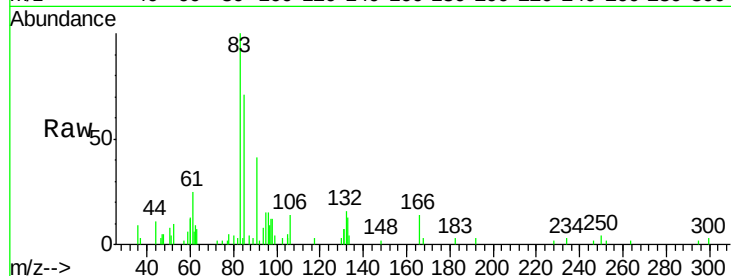
Tot Ion: 83 Resp: 21632

Ion Ratio Lower Upper

83 100

131 14.9 4.6 13.8#

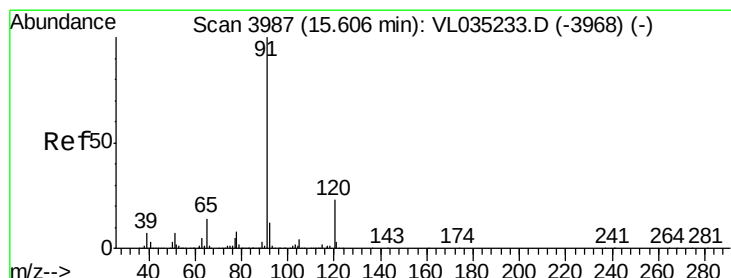
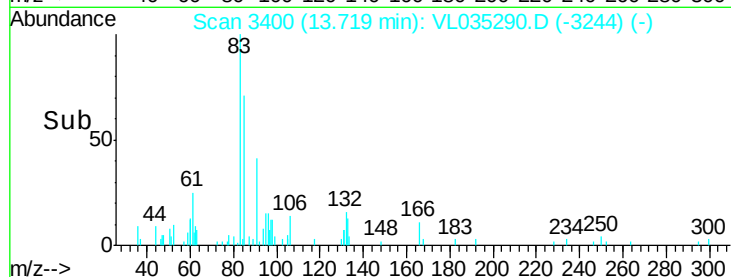
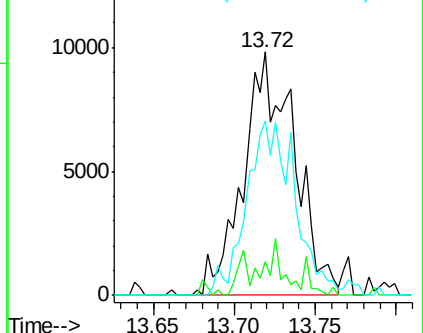
85 69.1 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.045 ppbv m

RT: 15.62 min Scan# 3990

Delta R.T. 0.01 min

Lab File: VL035290.D

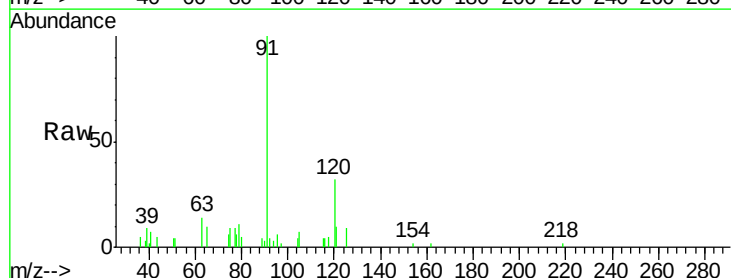
Acq: 30 Jul 2020 21:56

Tgt Ion: 120 Resp: 4396

Ion Ratio Lower Upper

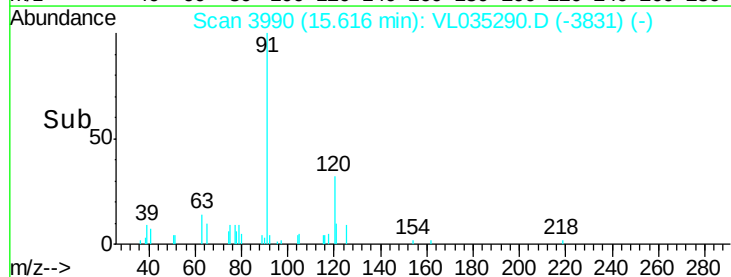
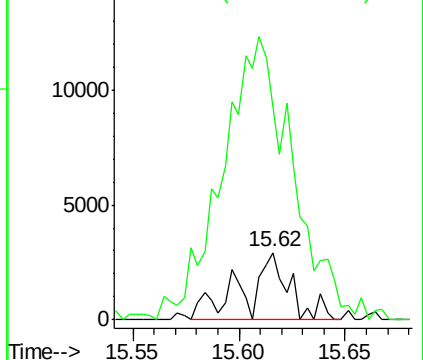
120 100

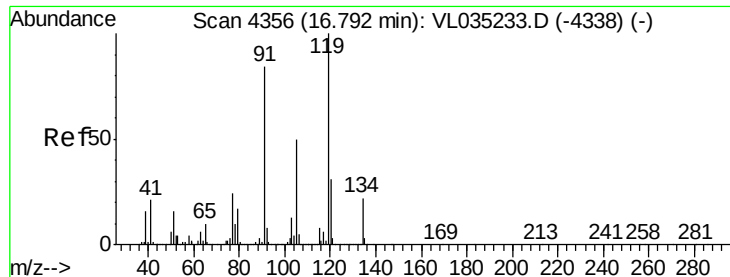
91 648.9 367.5 551.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.054 ppbv m

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

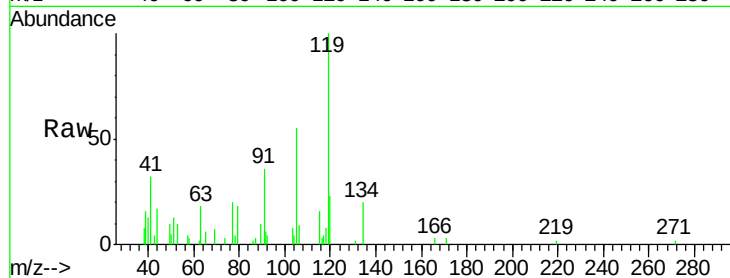
Tot Ion:119 Resp: 17778

Ion Ratio Lower Upper

119 100

91 0.0 68.0 102.0#

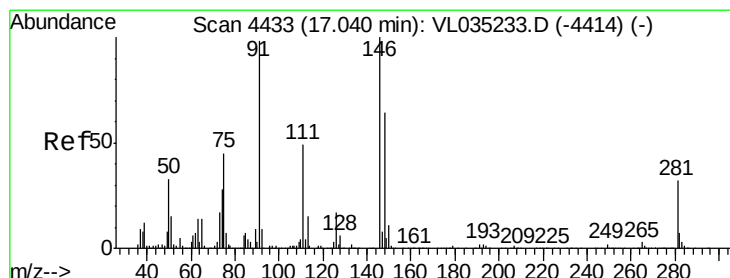
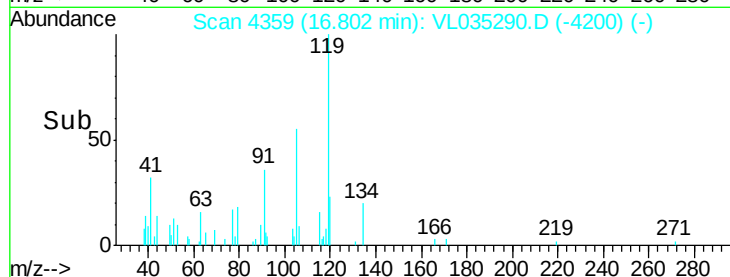
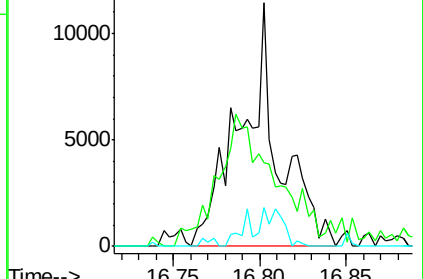
134 0.0 16.3 24.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.108 ppbv m

RT: 17.05 min Scan# 4436

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

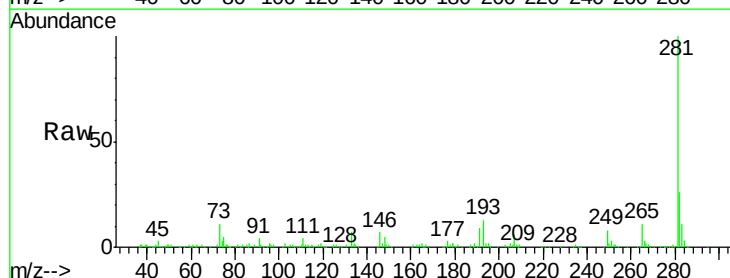
Tgt Ion: 91 Resp: 14060

Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

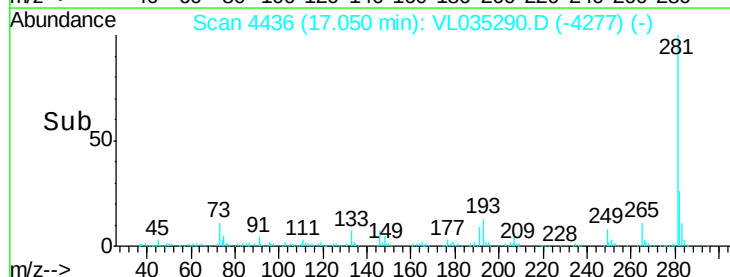
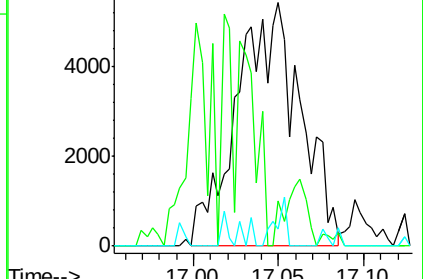
128 0.0 4.4 6.6#

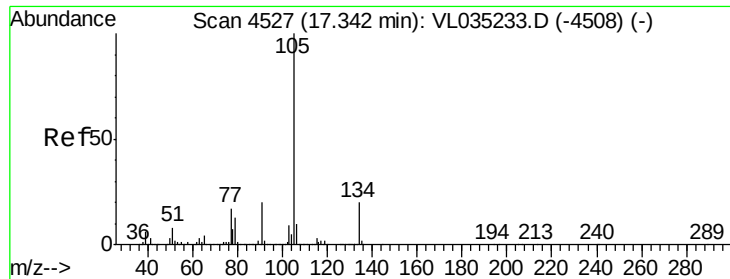


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.062 ppbv m

RT: 17.35 min Scan# 4530

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

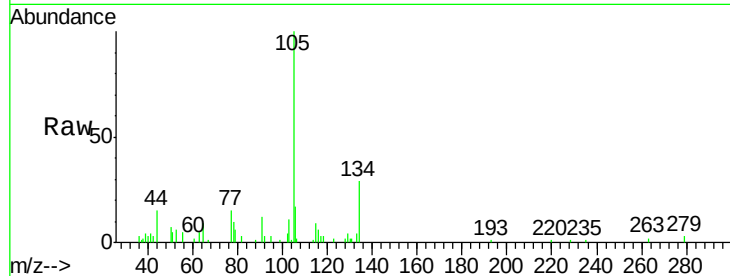
MDL-AIR-01-QT3-2020

Tot Ion:105 Resp: 29800

Ion Ratio Lower Upper

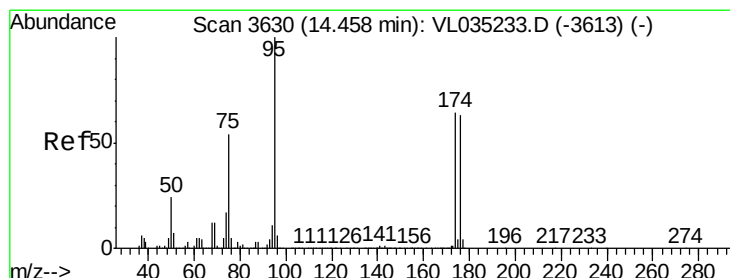
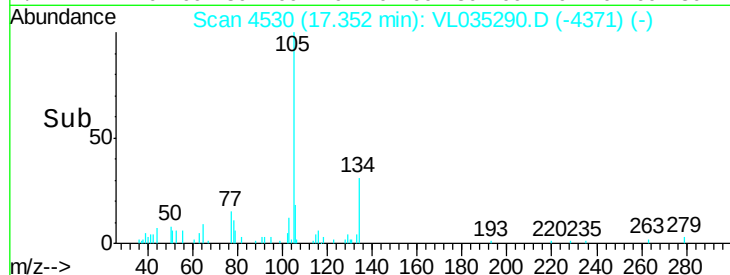
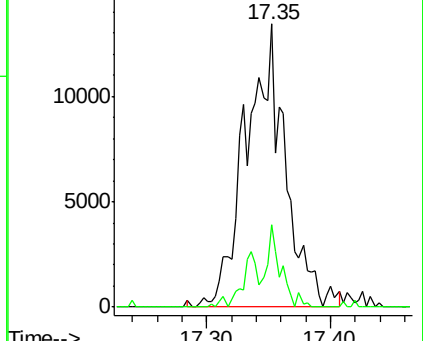
105 100

134 0.0 15.0 22.4#



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: 10.281 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

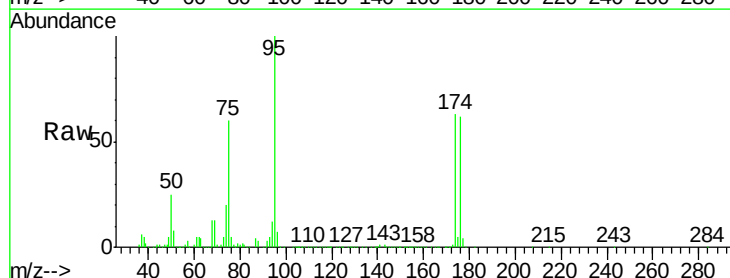
Tgt Ion: 95 Resp: 2051642

Ion Ratio Lower Upper

95 100

174 65.1 52.7 79.1

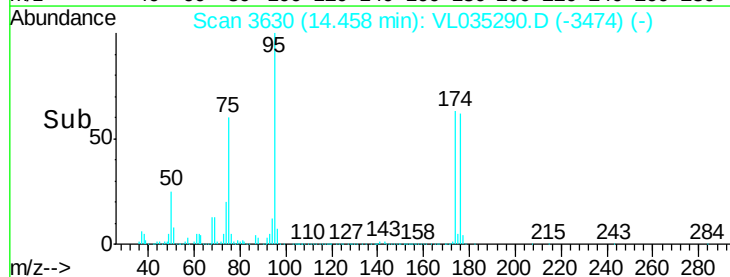
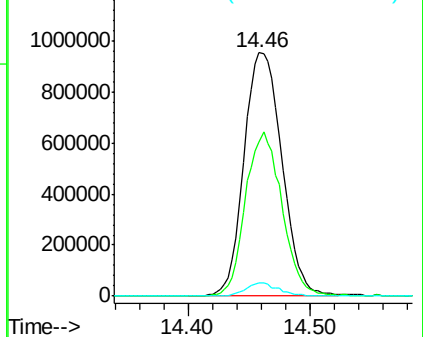
175 4.7 3.9 5.9

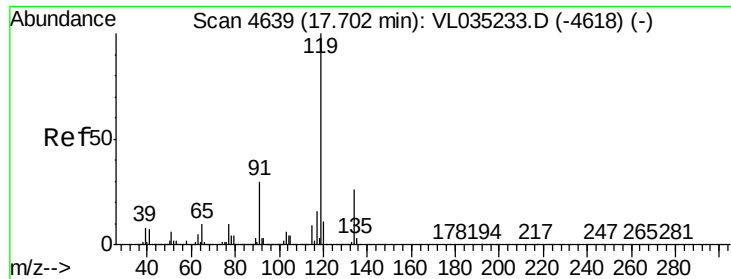


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

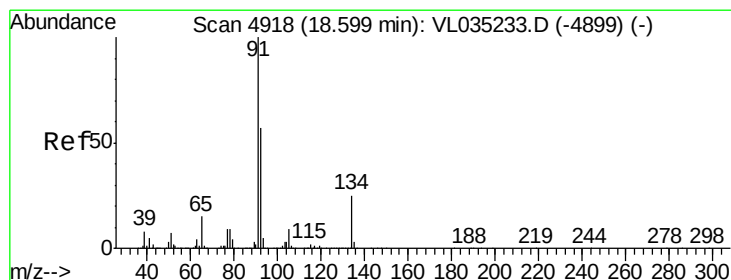
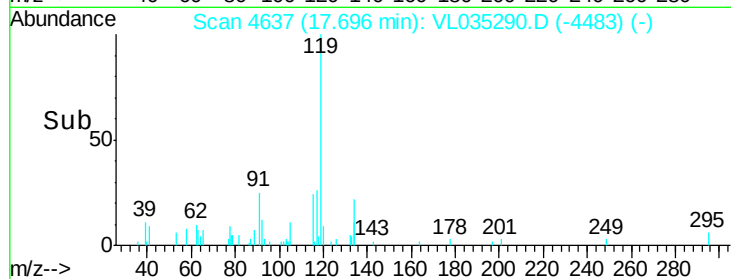
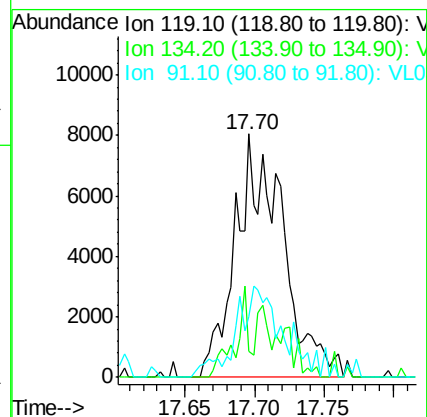
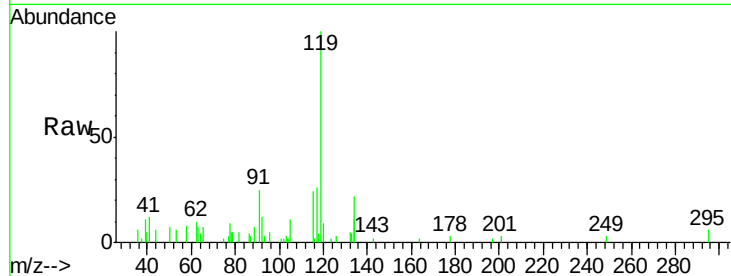




#69
 p-Isopropyltoluene
 Concen: 0.048 ppbv m
 RT: 17.70 min Scan# 4637
 Delta R.T. -0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

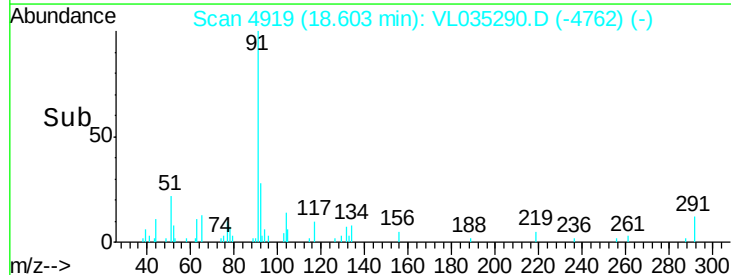
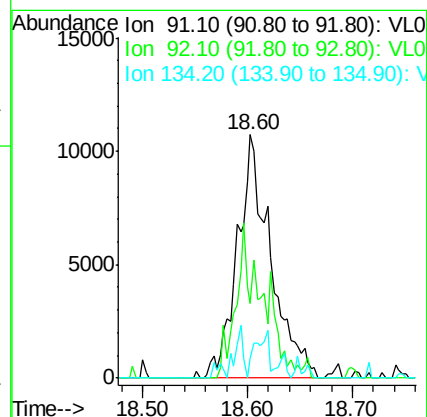
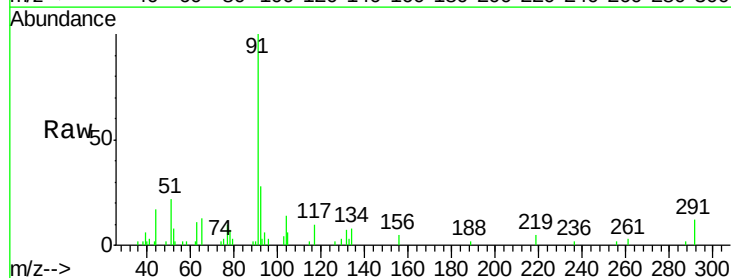
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

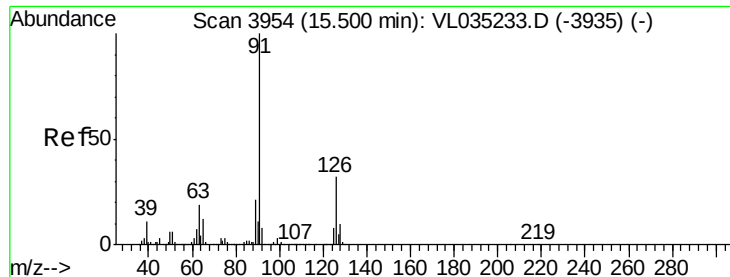
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.8	31.2#
91	0.0	24.7	37.1#



#70
 n-Butylbenzene
 Concen: 0.056 ppbv m
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.00 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.9	67.3#
134	0.0	18.6	28.0#





#71

2-Chlorotoluene

Concen: 0.062 ppbv m

RT: 15.50 min Scan# 3954

Delta R.T. 0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

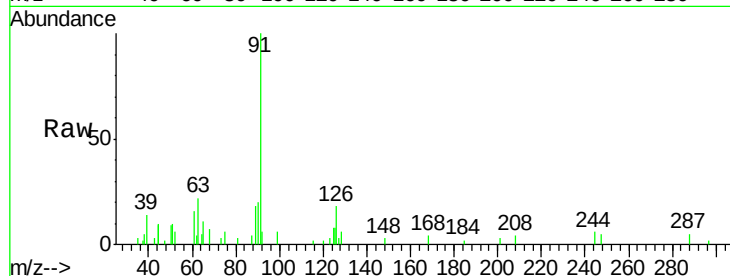
MDL-AIR-01-QT3-2020

Tot Ion: 91 Resp: 17000

Ion Ratio Lower Upper

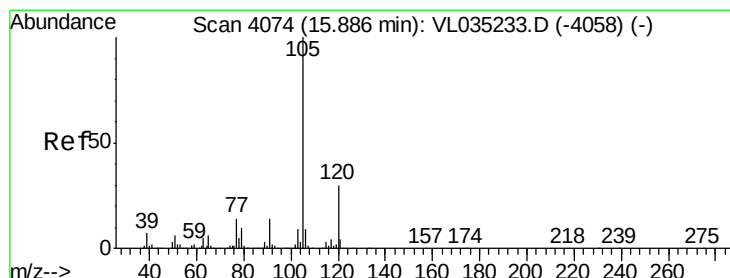
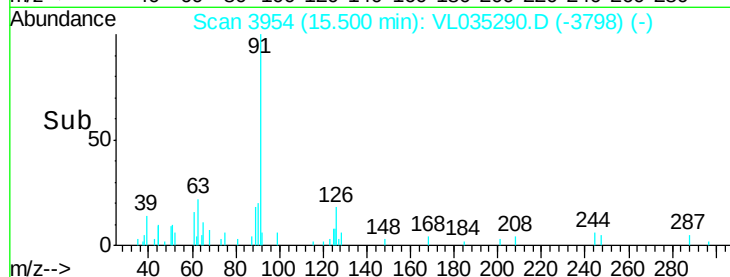
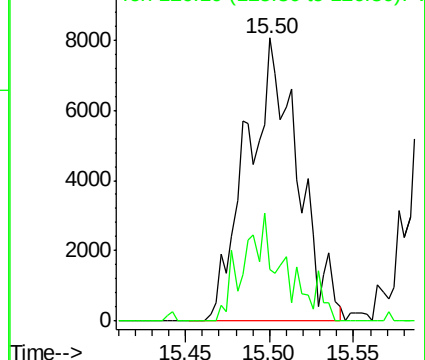
91 100

126 30.8 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.052 ppbv m

RT: 15.88 min Scan# 4073

Delta R.T. -0.00 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Tgt Ion: 105 Resp: 14269

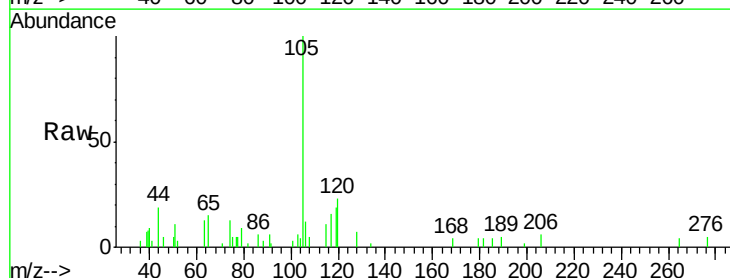
Ion Ratio Lower Upper

105 100

120 0.0 23.6 35.4#

91 20.6 11.0 16.6#

77 0.0 11.7 17.5#

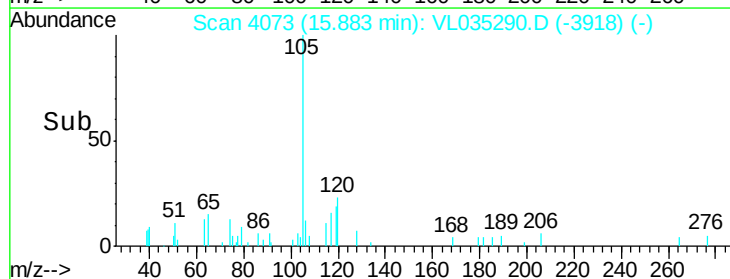
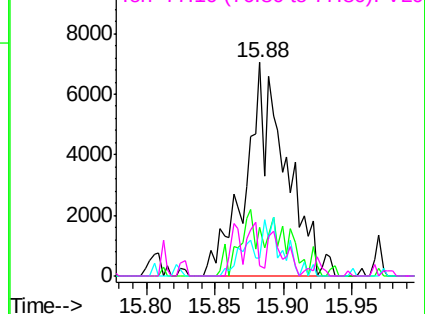


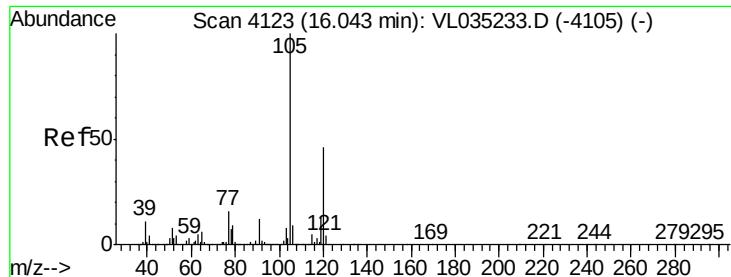
Abundance Ion 105.10 (104.80 to 105.80): V

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

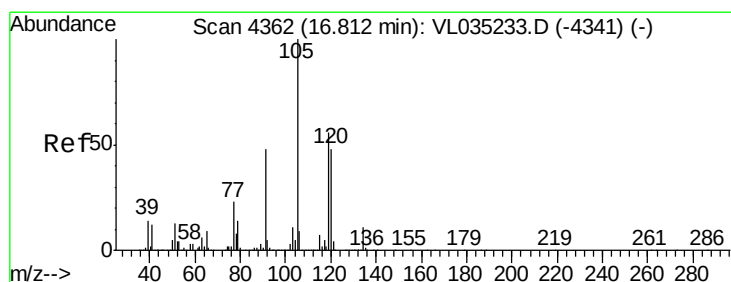
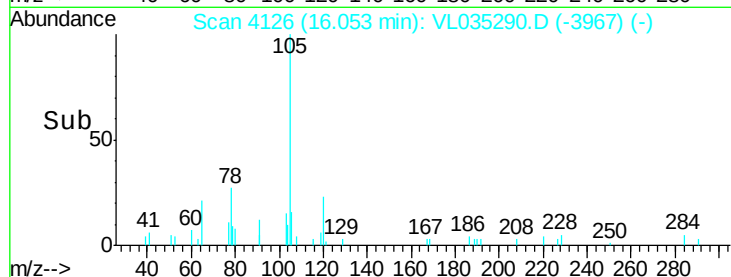
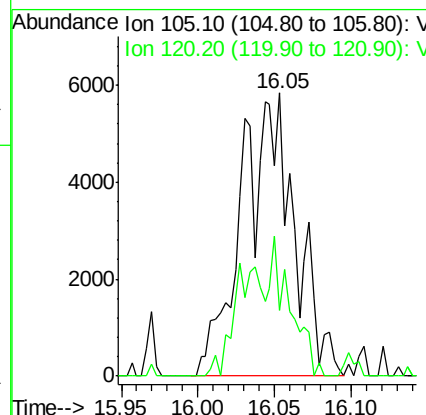
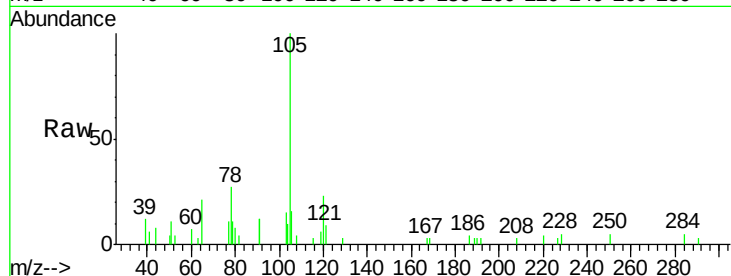




#73
 1,3,5-Trimethylbenzene
 Concen: 0.052 ppbv m
 RT: 16.05 min Scan# 4126
 Delta R.T. 0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

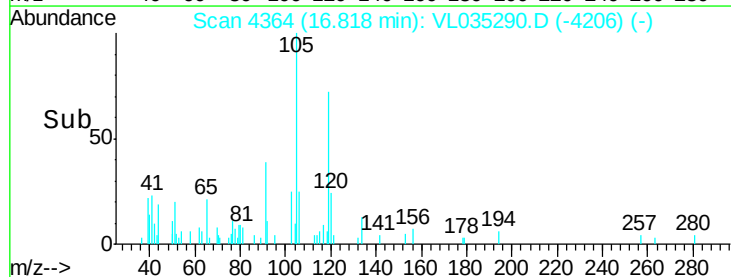
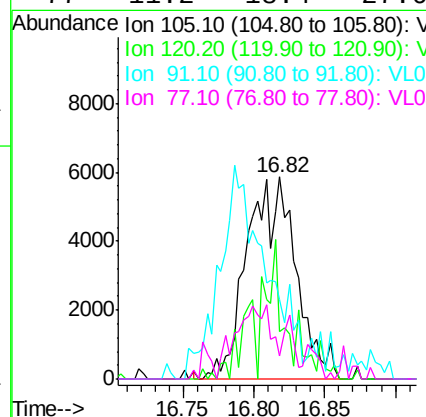
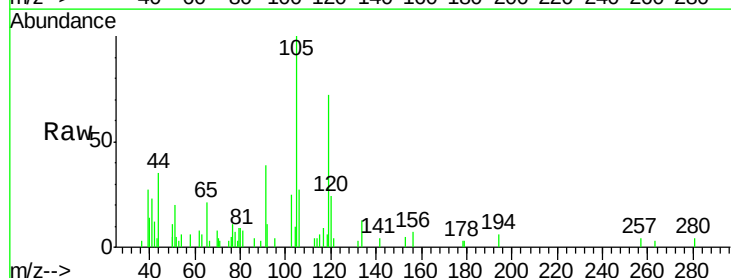
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

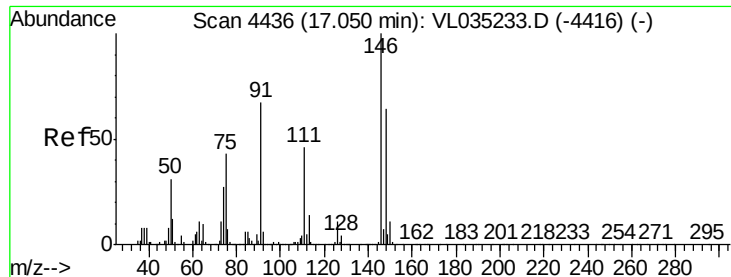
Tot Ion:105 Resp: 14114
 Ion Ratio Lower Upper
 105 100
 120 23.1 36.8 55.2#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.045 ppbv m
 RT: 16.82 min Scan# 4364
 Delta R.T. 0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Tgt Ion:105 Resp: 14060
 Ion Ratio Lower Upper
 105 100
 120 23.6 38.8 58.2#
 91 39.1 38.9 58.3
 77 11.2 18.4 27.6#





#75

1,3-Dichlorobenzene

Concen: 0.146 ppbv m

RT: 17.04 min Scan# 4434

Delta R.T. -0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

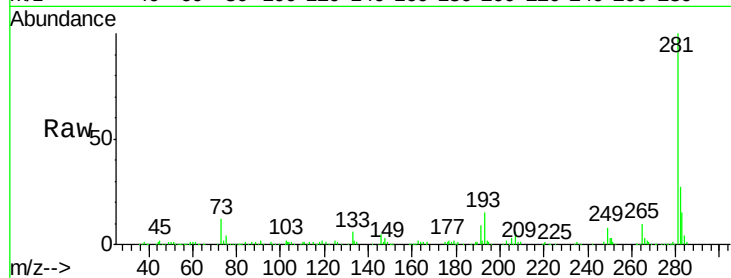
Tot Ion:146 Resp: 29529

Ion Ratio Lower Upper

146 100

111 29.3 24.4 73.4

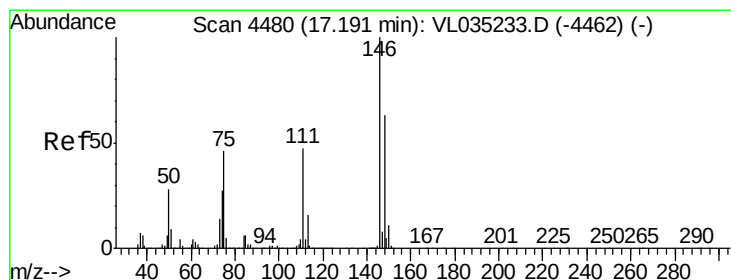
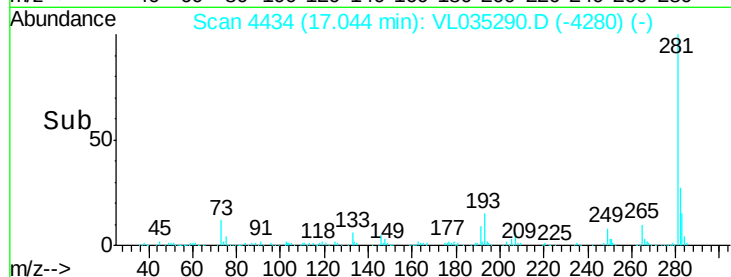
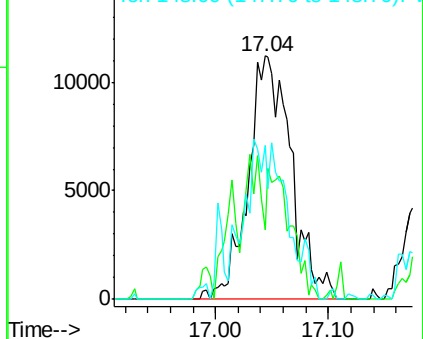
148 0.0 32.1 96.5#



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



#76

1,4-Dichlorobenzene

Concen: 0.104 ppbv m

RT: 17.20 min Scan# 4482

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

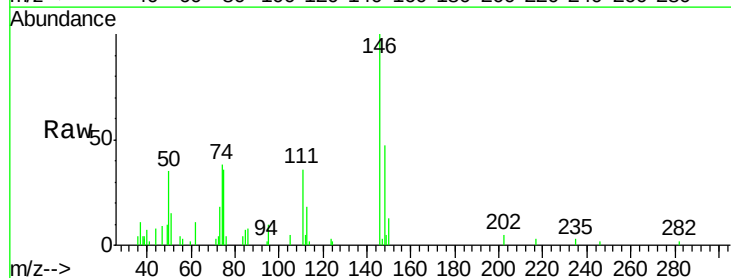
Tgt Ion:146 Resp: 18981

Ion Ratio Lower Upper

146 100

111 38.8 23.4 70.2

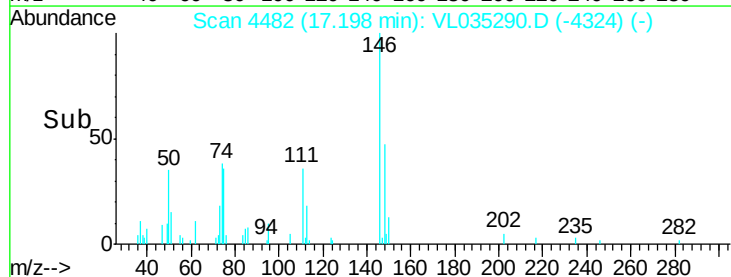
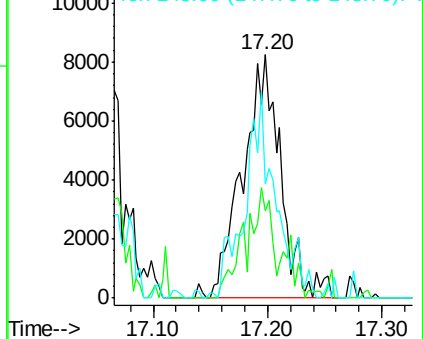
148 69.0 32.2 96.6

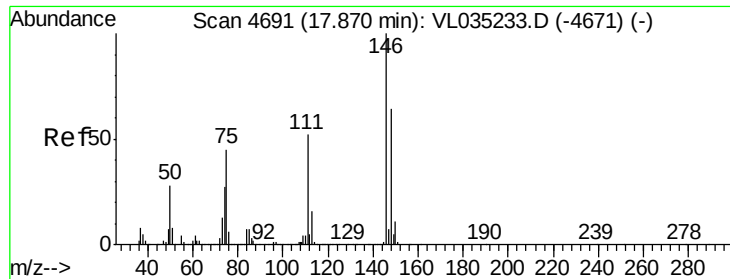


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

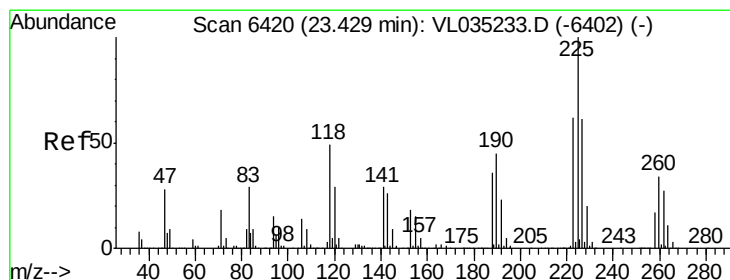
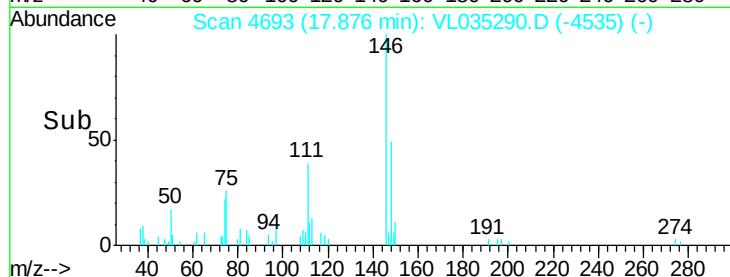
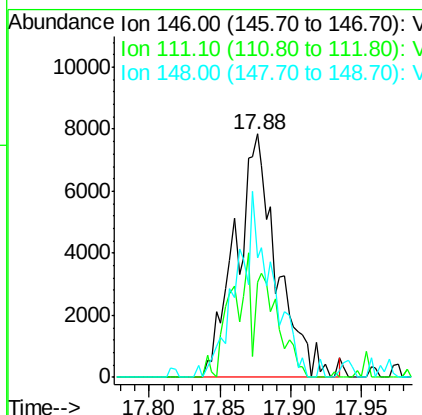
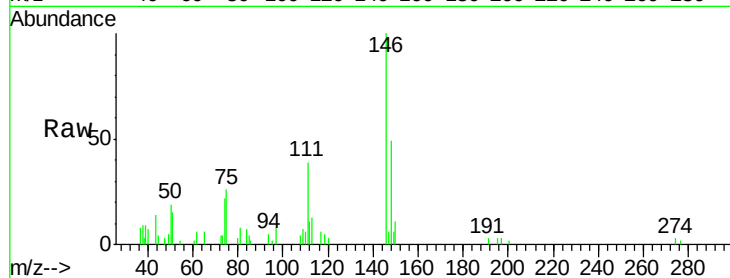




#77
 1,2-Dichlorobenzene
 Concen: 0.088 ppbv m
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

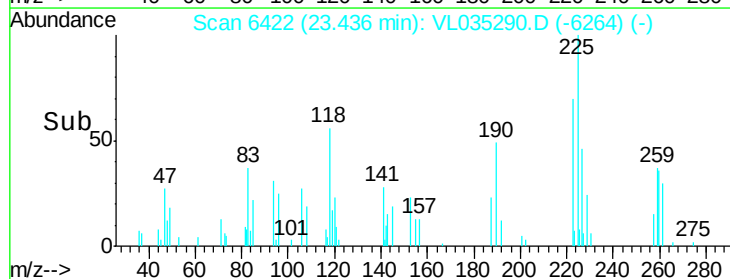
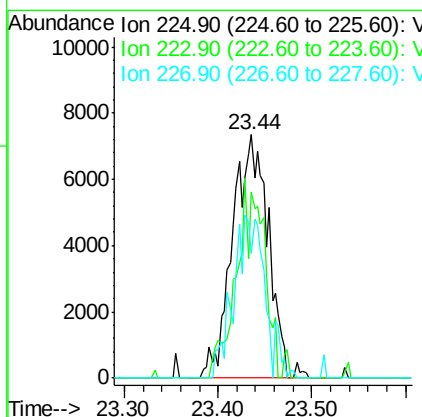
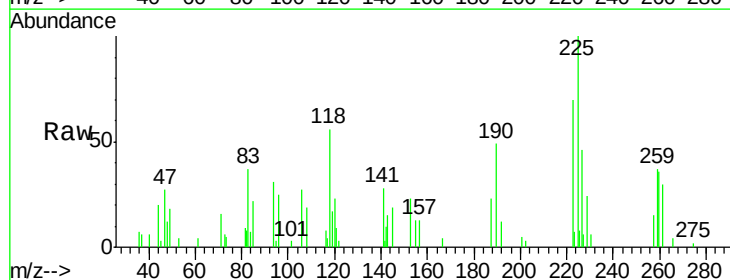
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

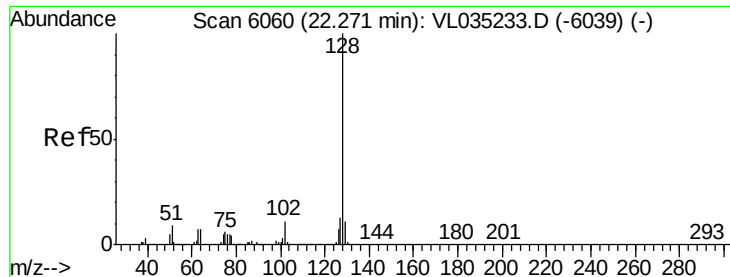
Tot Ion:146 Resp: 15902
 Ion Ratio Lower Upper
 146 100
 111 23.4 24.6 73.8#
 148 68.0 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.130 ppbv m
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Tgt Ion:225 Resp: 19328
 Ion Ratio Lower Upper
 225 100
 223 65.8 51.3 76.9
 227 59.1 51.4 77.2





#79

Naphthalene

Concen: 0.055 ppbv m

RT: 22.28 min Scan# 6063

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT3-2020

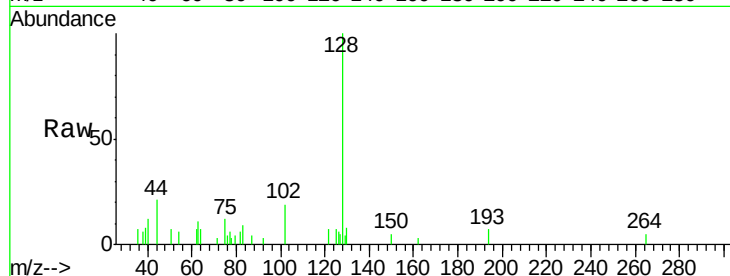
Tot Ion:128 Resp: 13672

Ion Ratio Lower Upper

128 100

127 4.8 10.4 15.6#

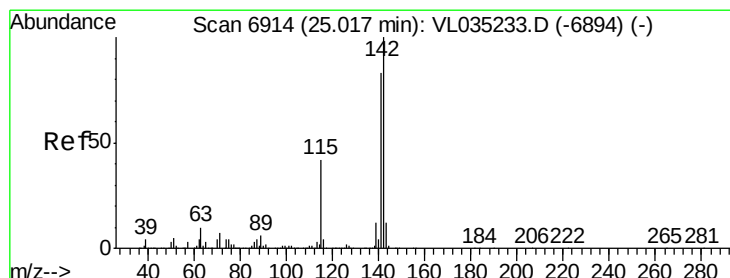
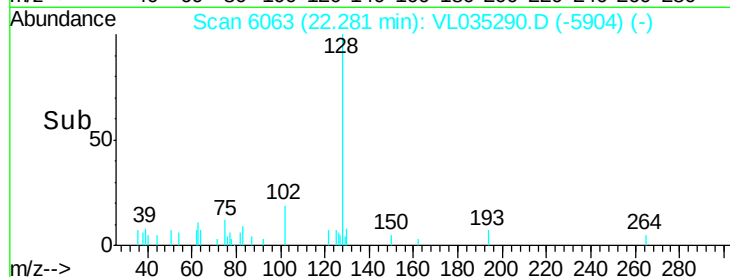
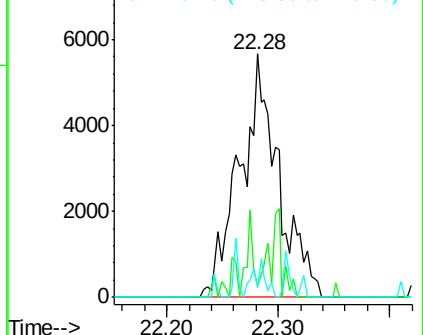
129 4.0 8.5 12.7#



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: 0.045 ppbv m

RT: 25.03 min Scan# 6918

Delta R.T. 0.01 min

Lab File: VL035290.D

Acq: 30 Jul 2020 21:56

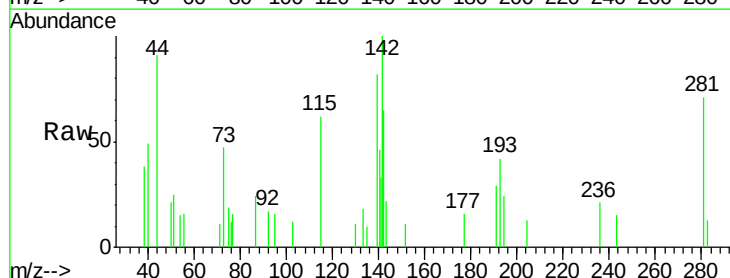
Tgt Ion:142 Resp: 3610

Ion Ratio Lower Upper

142 100

141 78.7 68.6 103.0

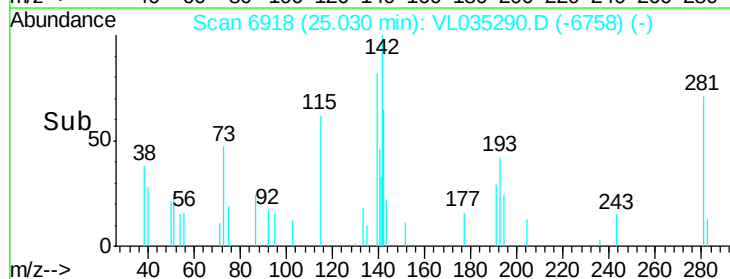
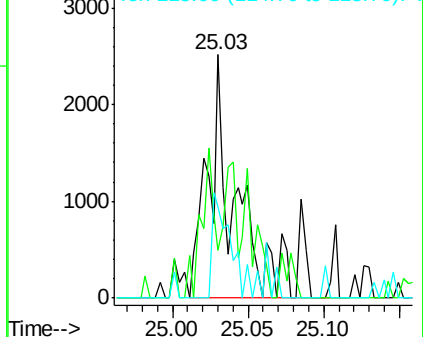
115 33.1 34.5 51.7#

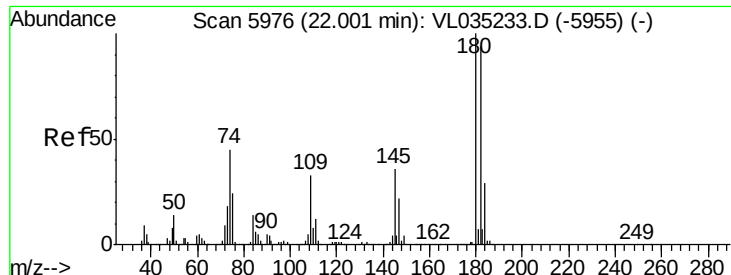


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

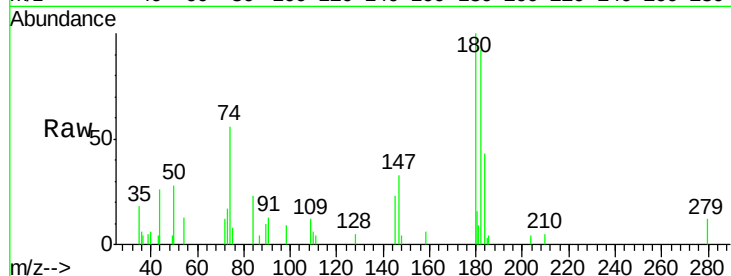




#81
 1,2,4-Trichlorobenzene
 Concen: 0.073 ppbv m
 RT: 22.00 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL035290.D
 Acq: 30 Jul 2020 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

Tot Ion:180 Resp: 11090
 Ion Ratio Lower Upper
 180 100
 182 90.6 76.7 115.1
 184 0.0 24.7 37.1#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

