

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036919.D
 Acq On : 7 May 2021 14:53
 Operator : SY/AP
 Sample : M2262-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Quant Time: May 08 04:16:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1256172	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2973605	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2596540	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2173554	10.43	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	146803	0.742	ppbv 99
3) Chlorodifluoromethane	3.00	51	146677	0.641	ppbv 98
4) Chloromethane	3.15	50	28088	0.373	ppbv 98
5) Vinyl Chloride	3.27	62	38262	0.504	ppbv # 85
6) Bromomethane	3.48	94	18321	0.449	ppbv 92
7) Chloroethane	3.57	64	13854	0.556	ppbv # 82
8) Dichlorotetrafluoroethane	3.20	85	117822	0.653	ppbv 99
9) Propene	3.02	41	30348	0.435	ppbv 88
10) Heptane	8.13	43	59276	0.338	ppbv 95
11) Trichlorofluoromethane	3.96	101	101337	0.574	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	68801	0.582	ppbv 94
13) Ethanol	3.64	45	3257	0.366	ppbv # 48
14) Bromoethene	3.75	108	23448	0.486	ppbv # 86
15) Acetone	3.88	43	34149	0.288	ppbv # 1
16) 1,3-Butadiene	3.33	39	12826	0.169	ppbv # 12
18) 1,1-Dichloroethene	4.30	96	16839	0.328	ppbv # 80
20) Methylene Chloride	4.35	84	36234	0.640	ppbv # 90
21) Allyl Chloride	4.43	41	42549	0.484	ppbv 87
22) trans-1,2-Dichloroethene	4.90	96	6644	0.129	ppbv # 67
23) Vinyl Acetate	5.10	43	26877	0.167	ppbv # 76
24) 1,1-Dichloroethane	5.02	63	29407	0.257	ppbv # 96
25) Ethyl Acetate	5.70	43	111223	0.385	ppbv # 91
26) Hexane	5.70	57	38415	0.284	ppbv # 8
27) Carbon Disulfide	4.56	76	54721	0.466	ppbv # 71
28) Methyl tert-Butyl Ether	5.07	73	62136	0.518	ppbv 92
29) Chloroform	5.76	83	124427	0.590	ppbv 92
30) Cyclohexane	7.14	84	22655	0.211	ppbv # 1
31) cis-1,2-Dichloroethene	5.56	61	45569	0.375	ppbv # 88
32) 1,1,1-Trichloroethane	6.52	97	121125	0.565	ppbv 96
34) 2-Butanone	5.28	43	45646	0.350	ppbv # 78
35) Carbon Tetrachloride	7.03	117	125301	0.621	ppbv 91
36) Benzene	6.90	78	54222	0.216	ppbv 94
37) 1,2-Dichloroethane	6.32	62	71194	0.502	ppbv # 93
38) Trichloroethene	7.85	130	33166	0.372	ppbv 86
39) 1,2-Dichloropropane	7.62	63	44289	0.441	ppbv 93
42) Bromodichloromethane	7.80	83	112944	0.573	ppbv 98
43) Methyl Methacrylate	8.04	69	9833	0.120	ppbv # 1
44) 2,2,4-Trimethylpentane	7.89	57	175215	0.408	ppbv # 78
45) t-1,3-Dichloropropene	9.28	75	5237	0.059	ppbv 99
46) cis-1,3-Dichloropropene	8.71	75	23105	0.204	ppbv 98
47) 1,1,2-Trichloroethane	9.48	97	36592	0.352	ppbv 94

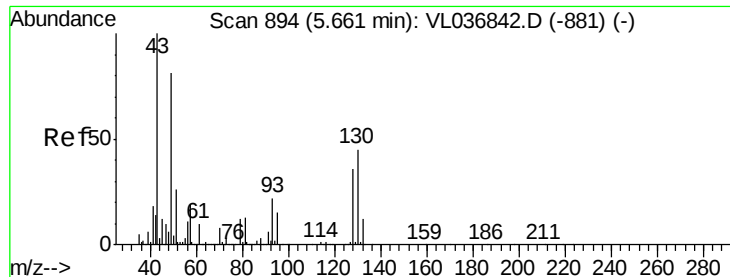
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036919.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	10.32	129	41262	0.268	ppbv #	9
49) Bromoform	13.05	173	55760	0.454	ppbv #	86
52) Tetrachloroethene	11.24	164	13367	0.157	ppbv #	87
53) Toluene	9.82	91	82710	0.315	ppbv	96
54) 1,2-Dibromoethane	10.62	107	42185	0.288	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	72951	0.670	ppbv #	1
57) Chlorobenzene	12.15	112	116579	0.576	ppbv	97
58) Ethyl Benzene	12.72	91	64267	0.195	ppbv	95
59) m/p-Xylene	13.01	91	68907	0.234	ppbv #	1
60) o-Xylene	13.70	91	115702	0.407	ppbv	99
61) Styrene	13.55	104	12068	0.090	ppbv #	1
62) Isopropylbenzene	14.68	105	164284	0.424	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	68254	0.299	ppbv #	3
64) n-propylbenzene	15.57	120	30648	0.318	ppbv #	14
65) tert-Butylbenzene	16.76	119	70727	0.207	ppbv #	1
66) Benzyl Chloride	17.00	91	11456	0.342	ppbv #	67
67) sec-Butylbenzene	17.31	105	205533	0.432	ppbv	97
69) p-Isopropyltoluene	17.67	119	69082	0.181	ppbv #	33
70) n-Butylbenzene	18.57	91	83624	0.218	ppbv #	41
71) 2-Chlorotoluene	15.46	91	107218	0.374	ppbv	98
72) 4-Ethyltoluene	15.85	105	57991	0.190	ppbv #	48
73) 1,3,5-Trimethylbenzene	16.02	105	35319	0.119	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	129296	0.411	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	56358	0.303	ppbv #	34
76) 1,4-Dichlorobenzene	17.16	146	9285	0.051	ppbv #	22
77) 1,2-Dichlorobenzene	17.83	146	76265	0.420	ppbv	79
78) Hexachloro-1,3-Butadiene	23.39	225	33168	0.215	ppbv #	18
79) Naphthalene	22.23	128	14652	0.083	ppbv #	73
81) 1,2,4-Trichlorobenzene	21.94	180	9302	0.082	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL036919.D

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ClientSampleId :

MDL-AIR-03-QT2-2021

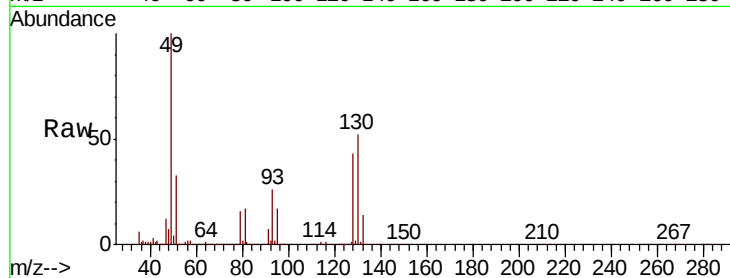
Tot Ion: 49 Resp: 1256172

Ion Ratio Lower Upper

49 100

128 45.1 24.4 73.2

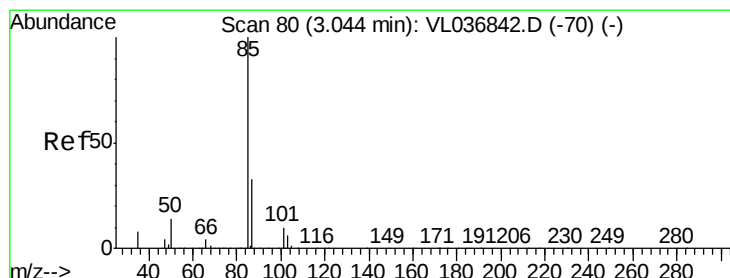
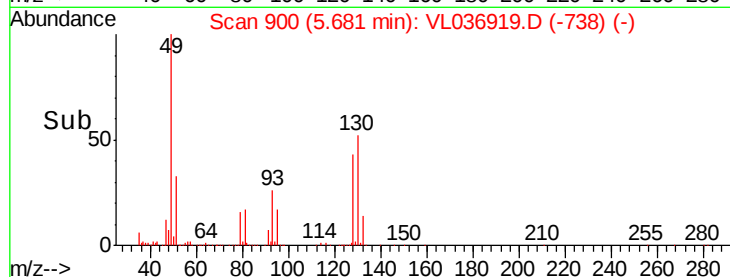
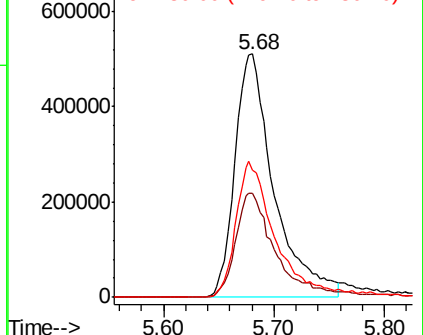
130 58.3 30.3 90.8



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: 0.742 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036919.D

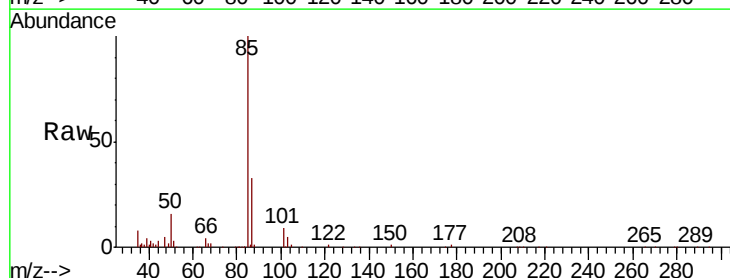
Acq: 7 May 2021 14:53

Tgt Ion: 85 Resp: 146803

Ion Ratio Lower Upper

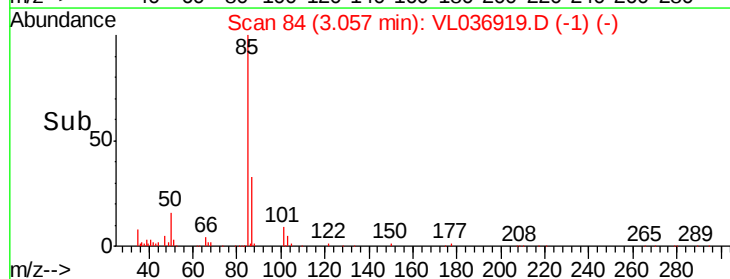
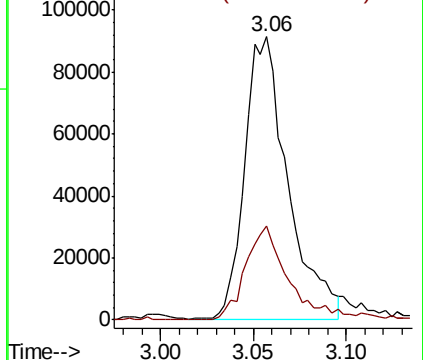
85 100

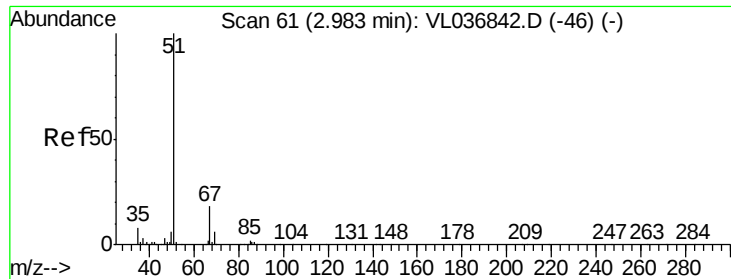
87 33.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.641 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

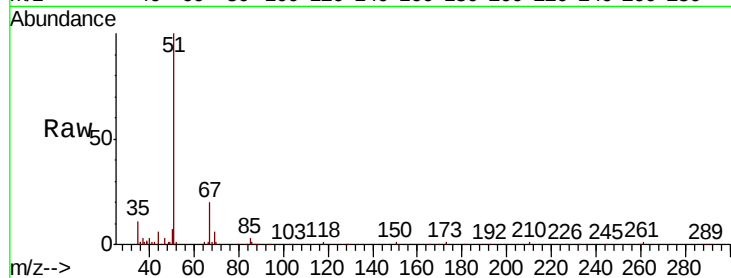
MDL-AIR-03-QT2-2021

Tot Ion: 51 Resp: 146677

Ion Ratio Lower Upper

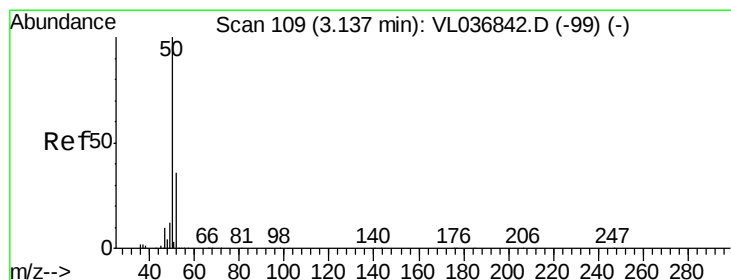
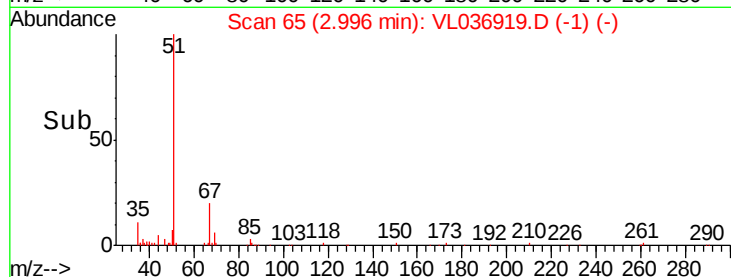
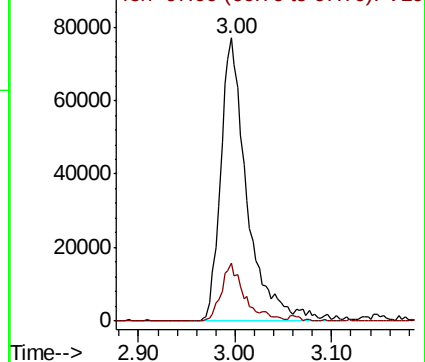
51 100

67 17.8 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.373 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036919.D

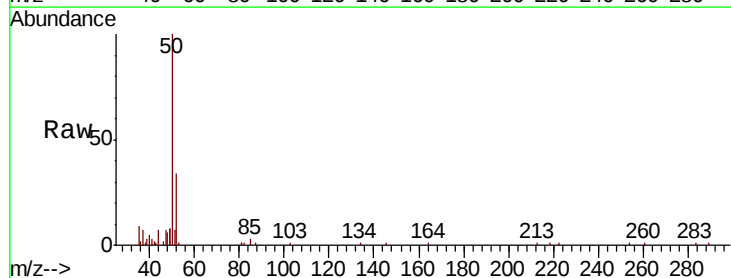
Acq: 7 May 2021 14:53

Tgt Ion: 50 Resp: 28088

Ion Ratio Lower Upper

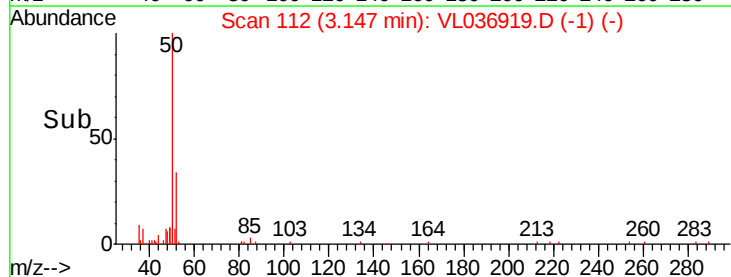
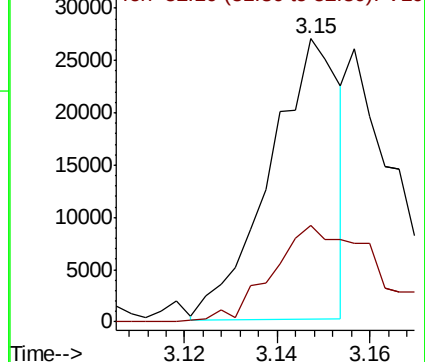
50 100

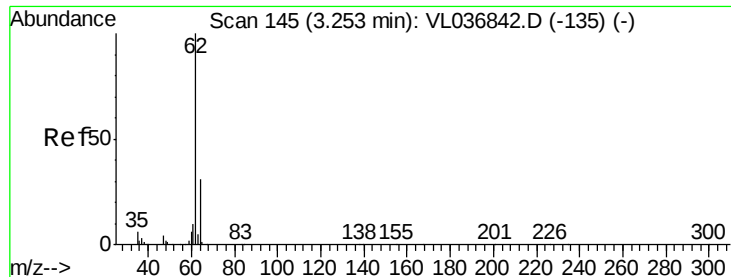
52 34.3 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.504 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

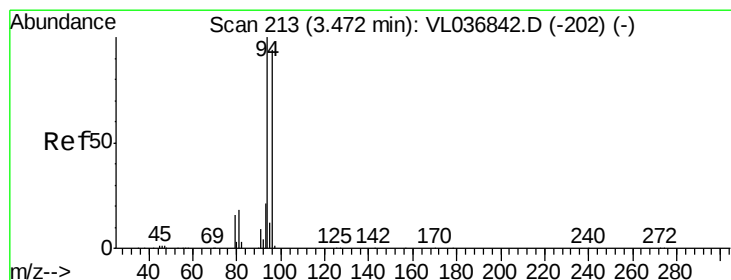
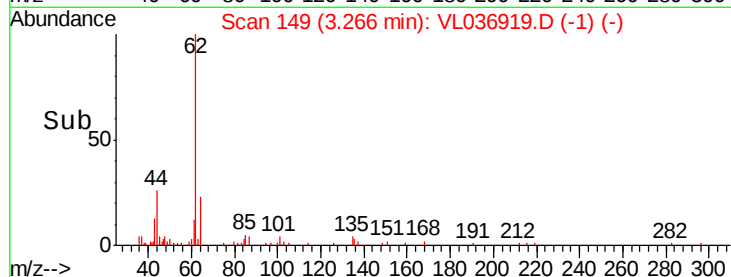
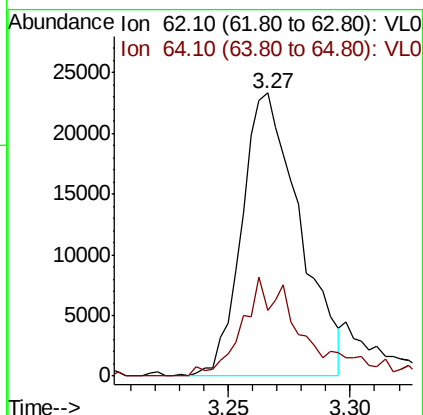
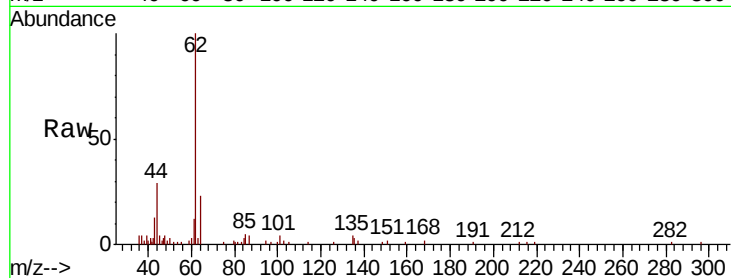
MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 38262

Ion Ratio Lower Upper

62 100

64 23.0 25.0 37.4#



#6

Bromomethane

Concen: 0.449 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL036919.D

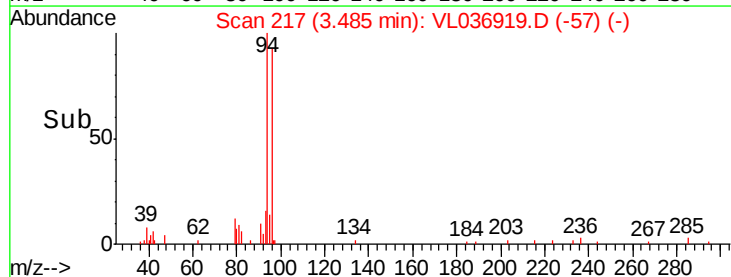
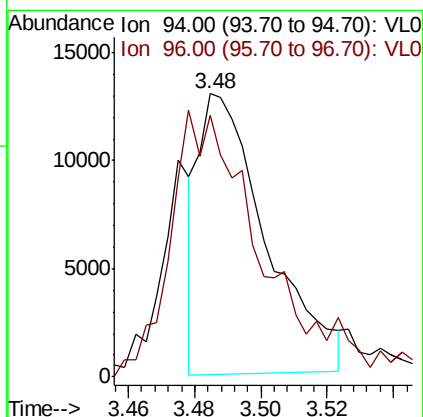
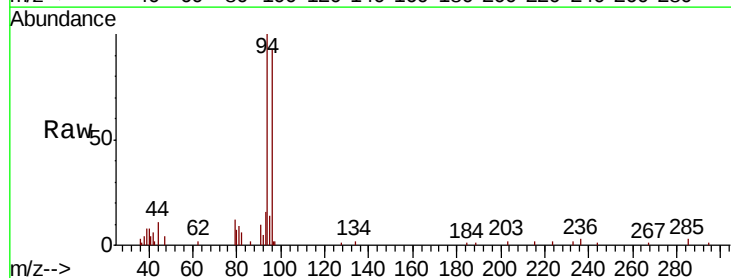
Acq: 7 May 2021 14:53

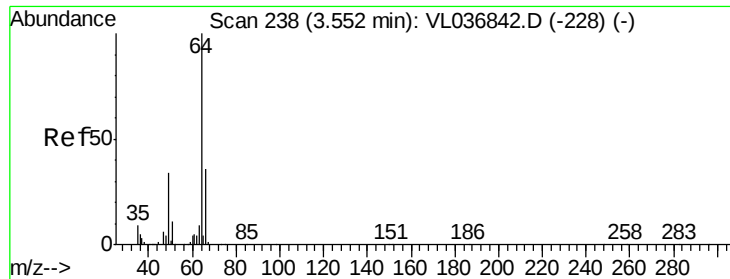
Tgt Ion: 94 Resp: 18321

Ion Ratio Lower Upper

94 100

96 86.0 75.4 113.0





#7

Chloroethane

Concen: 0.556 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

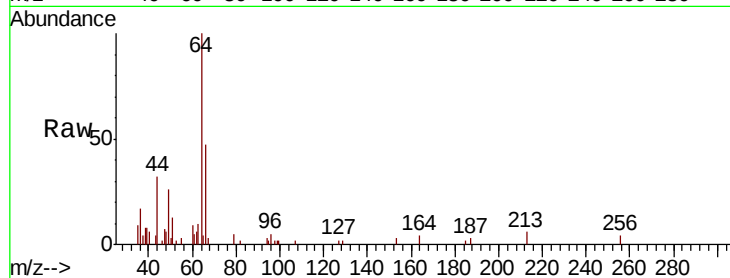
MDL-AIR-03-QT2-2021

Tot Ion: 64 Resp: 13854

Ion Ratio Lower Upper

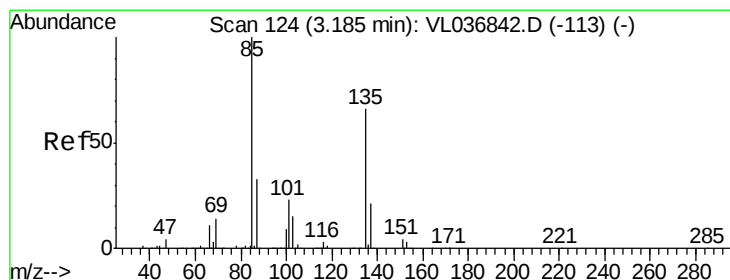
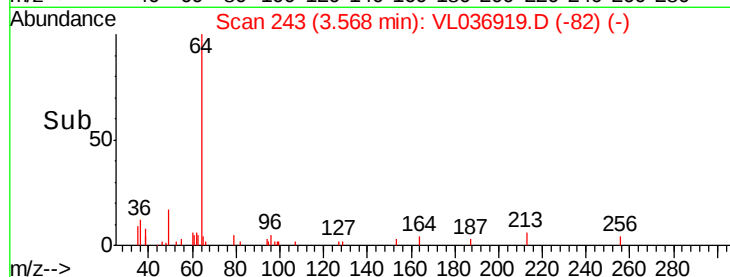
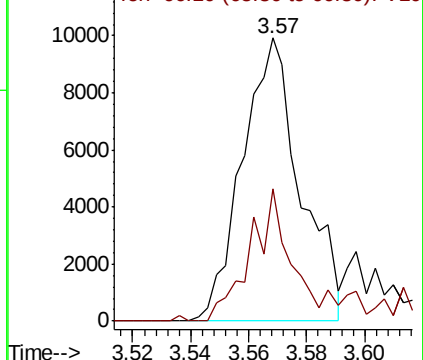
64 100

66 46.8 29.0 43.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.653 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036919.D

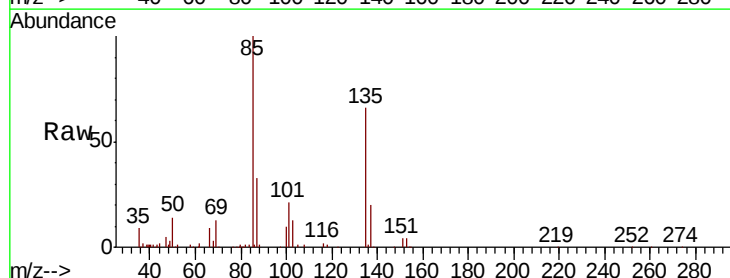
Acq: 7 May 2021 14:53

Tgt Ion: 85 Resp: 117822

Ion Ratio Lower Upper

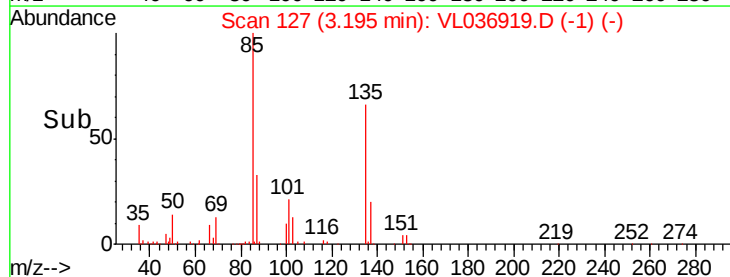
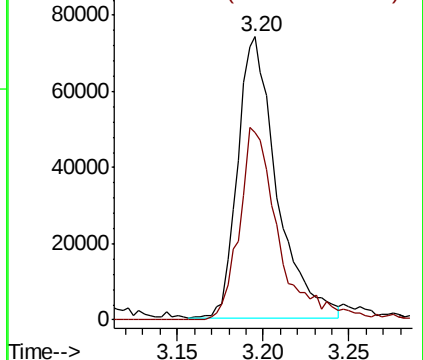
85 100

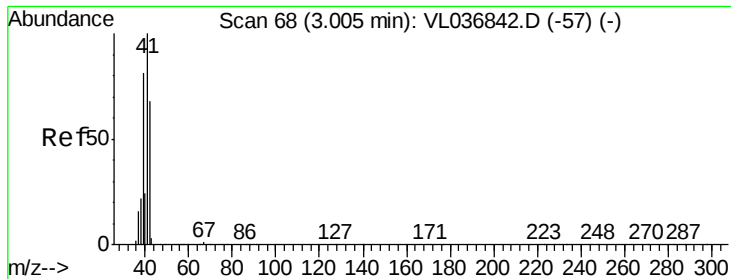
135 69.7 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.435 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

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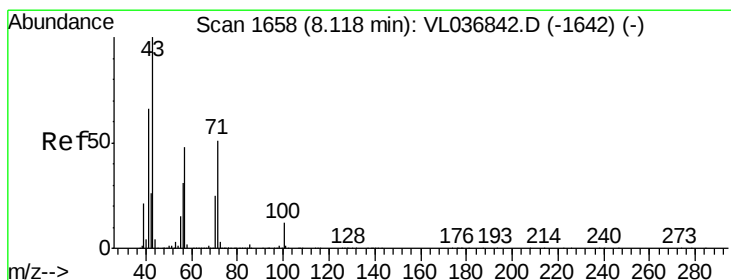
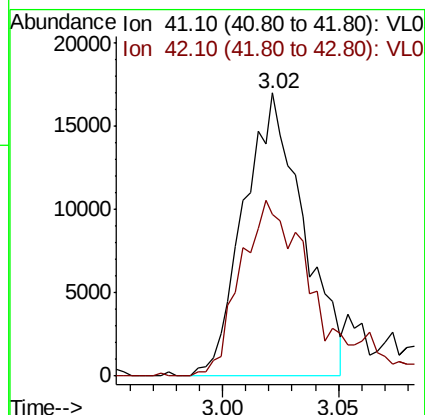
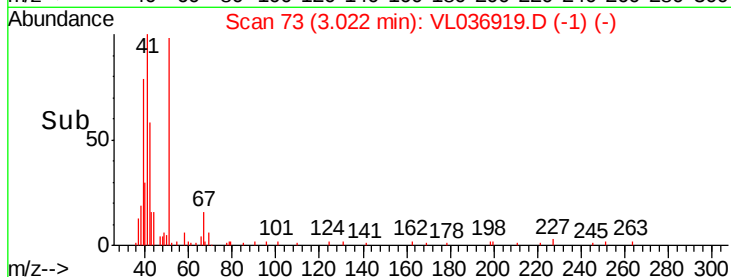
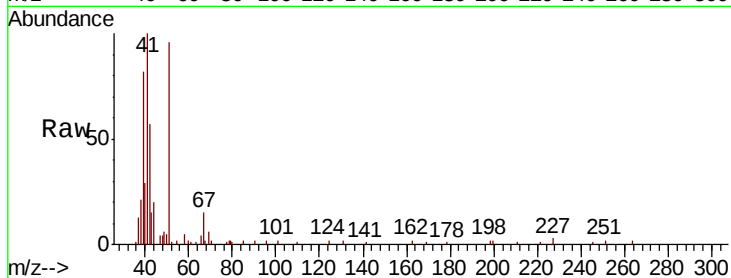
MDL-AIR-03-QT2-2021

Tot Ion: 41 Resp: 30348

Ion Ratio Lower Upper

41 100

42 79.5 56.0 84.0



#10

Heptane

Concen: 0.338 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL036919.D

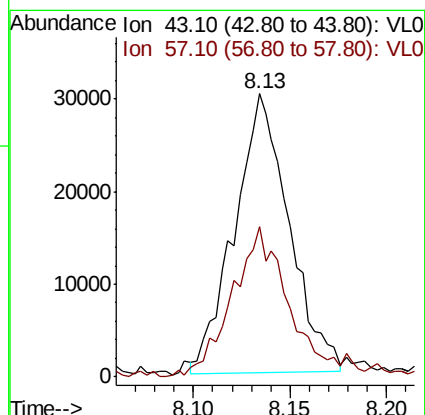
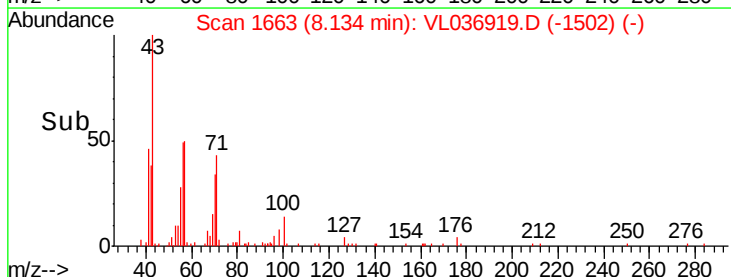
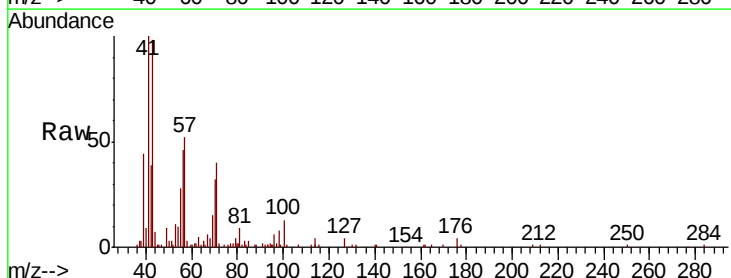
Acq: 7 May 2021 14:53

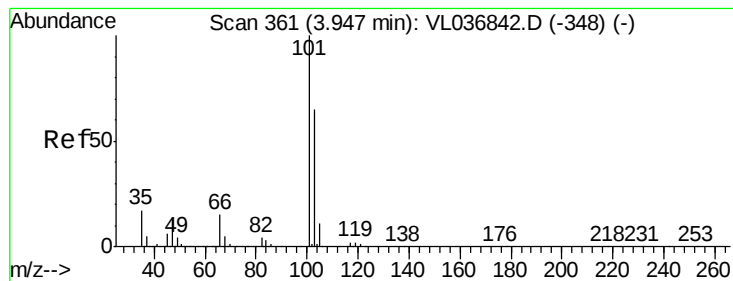
Tgt Ion: 43 Resp: 59276

Ion Ratio Lower Upper

43 100

57 51.6 38.8 58.2





#11

Trichlorofluoromethane

Concen: 0.574 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

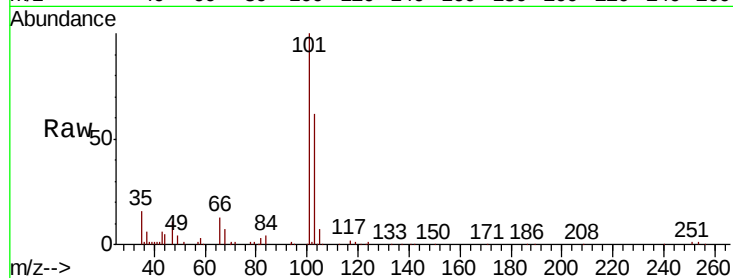
MDL-AIR-03-QT2-2021

Tot Ion:101 Resp: 101337

Ion Ratio Lower Upper

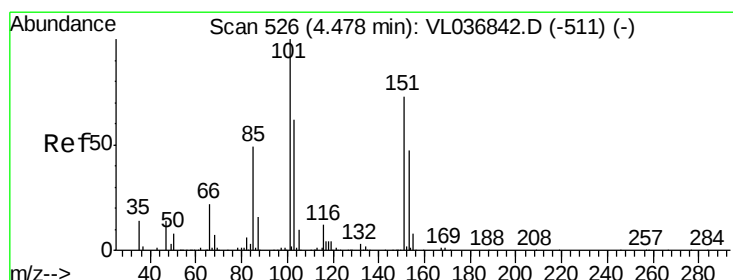
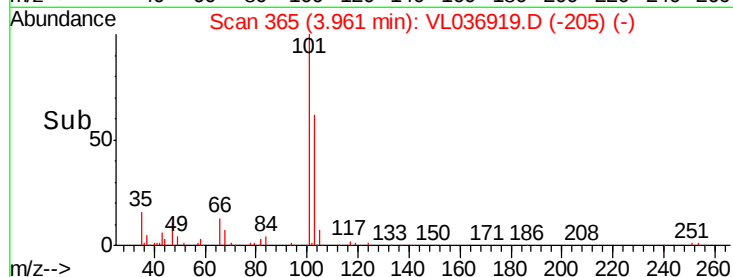
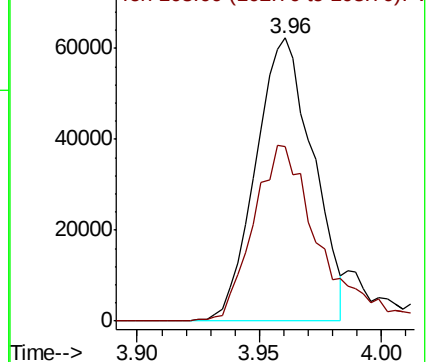
101 100

103 61.6 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.582 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.02 min

Lab File: VL036919.D

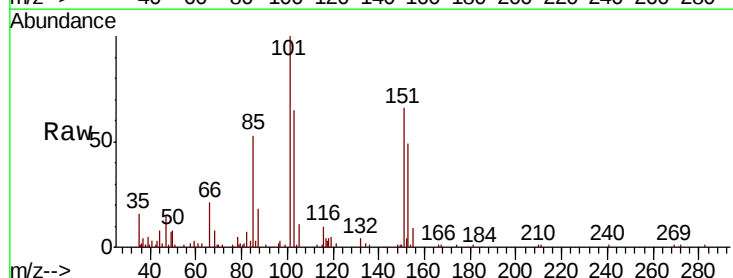
Acq: 7 May 2021 14:53

Tgt Ion:101 Resp: 68801

Ion Ratio Lower Upper

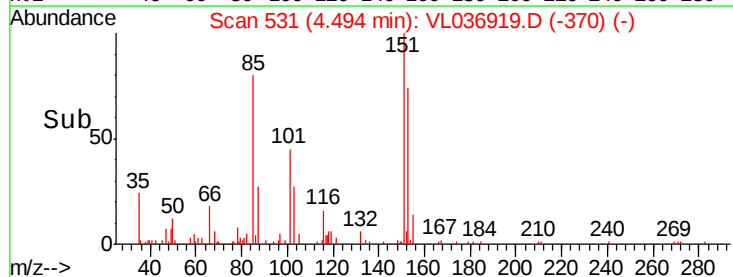
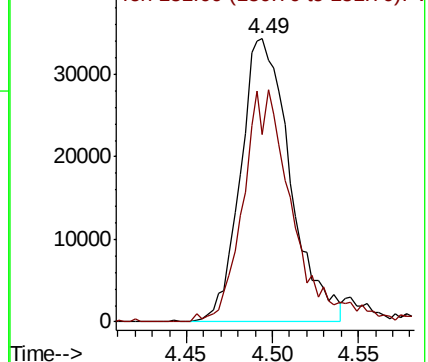
101 100

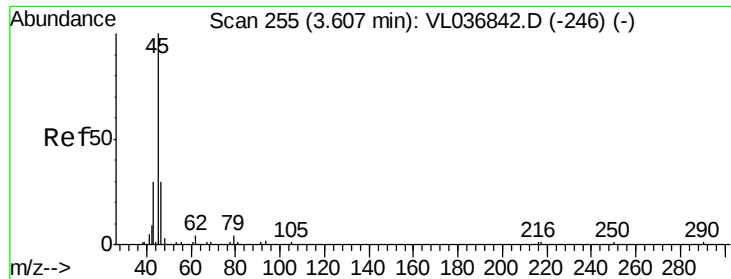
151 81.4 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.366 ppbv

RT: 3.64 min Scan# 264

Delta R.T. 0.03 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

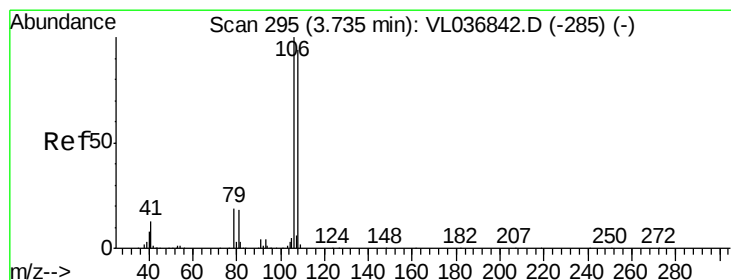
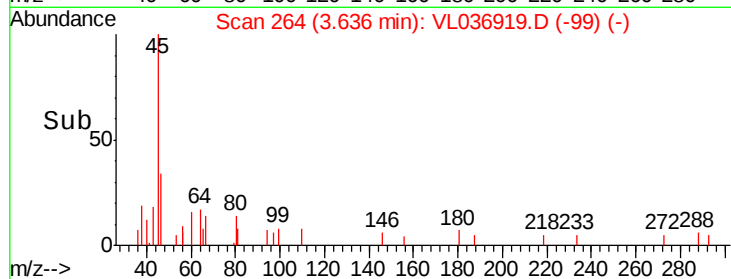
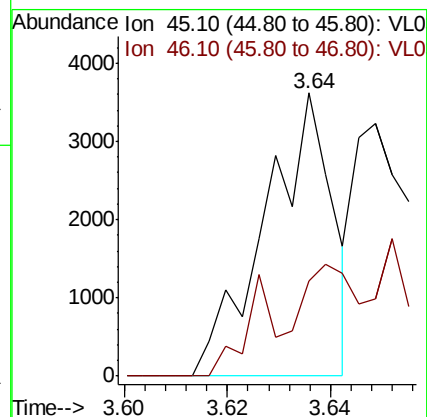
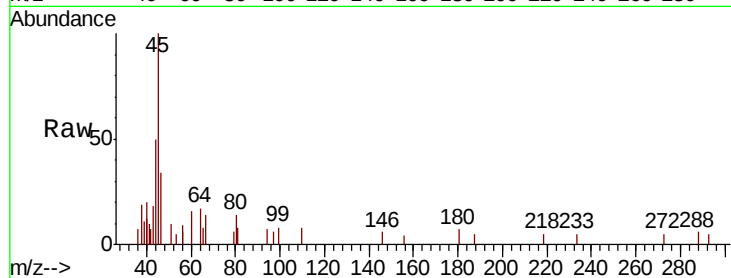
MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 3257

Ion Ratio Lower Upper

45 100

46 9.1 16.8 67.4#



#14

Bromoethene

Concen: 0.486 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

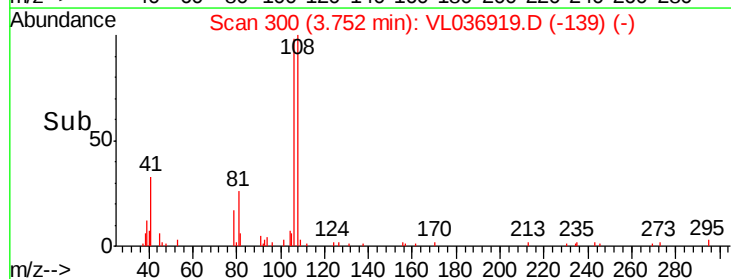
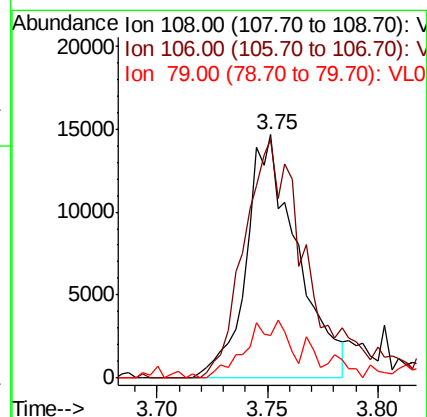
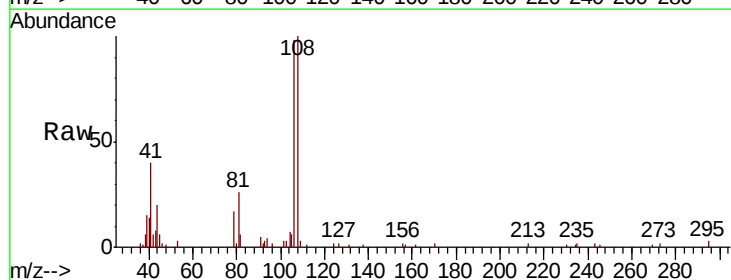
Tgt Ion: 108 Resp: 23448

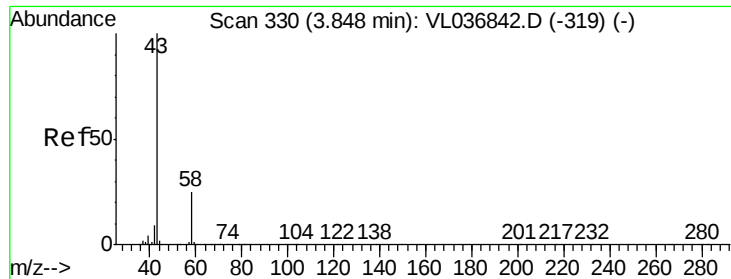
Ion Ratio Lower Upper

108 100

106 126.0 88.5 132.7

79 28.7 17.9 26.9#

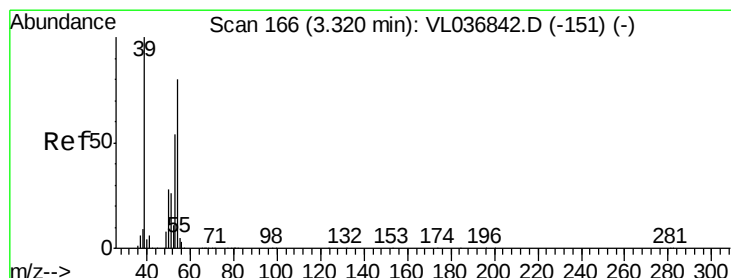
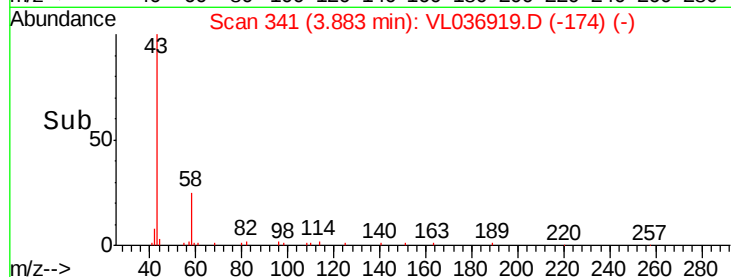
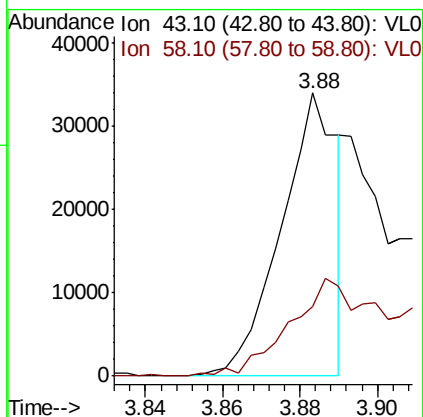
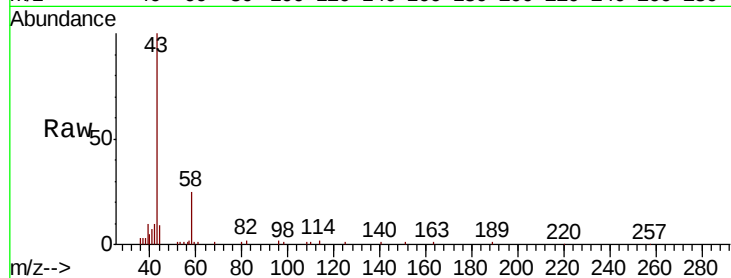




#15
Acetone
Concen: 0.288 ppbv
RT: 3.88 min Scan# 341
Delta R.T. 0.04 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

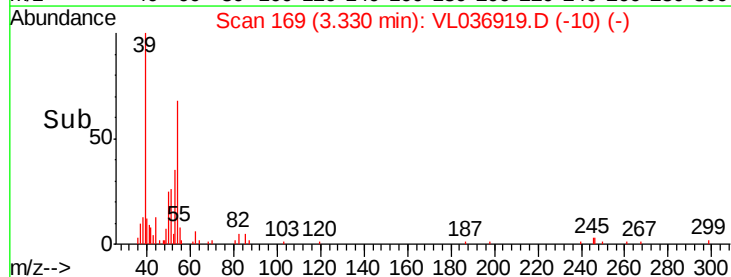
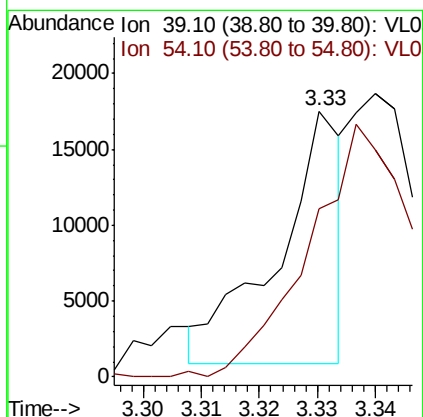
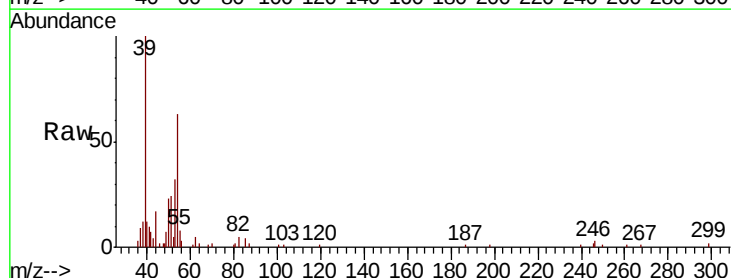
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

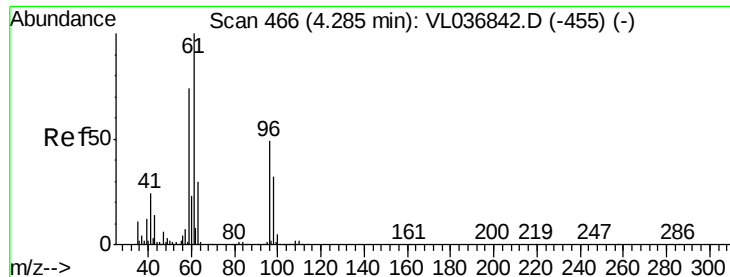
Tot Ion: 43 Resp: 34149
Ion Ratio Lower Upper
43 100
58 90.5 21.7 32.5#



#16
1,3-Butadiene
Concen: 0.169 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion: 39 Resp: 12826
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#

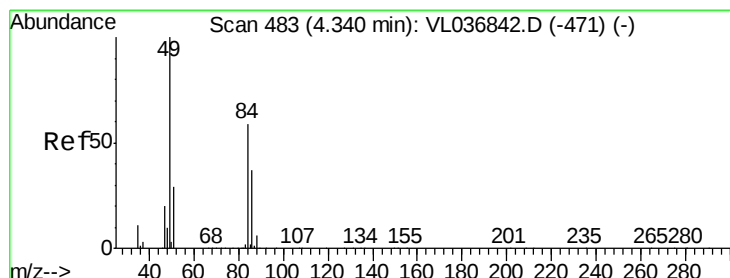
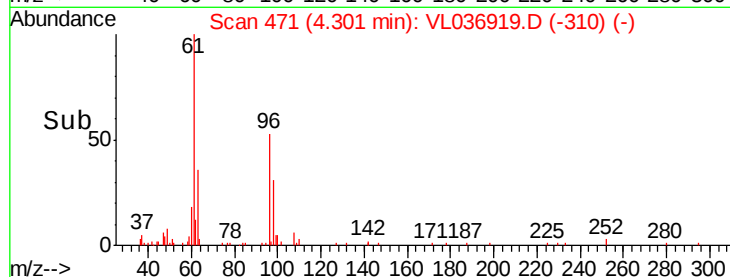
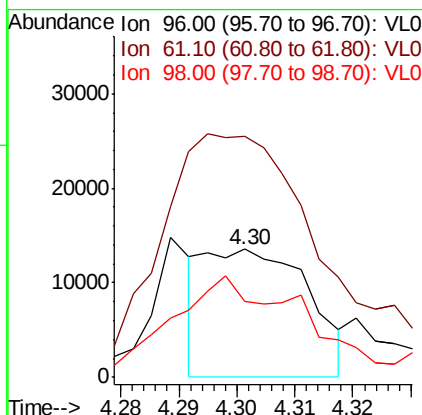
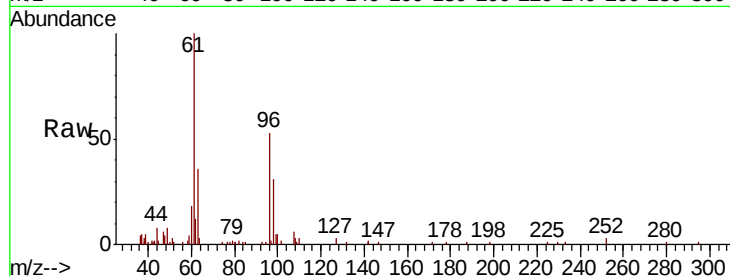




#18
 1,1-Dichloroethene
 Concen: 0.328 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

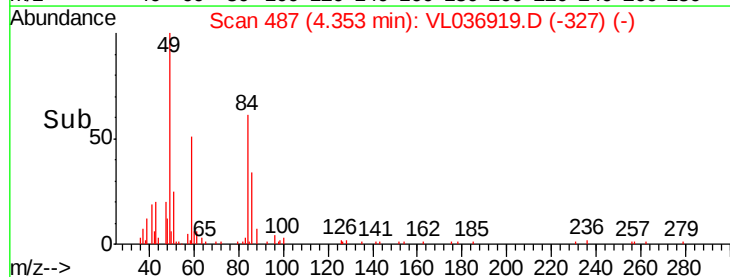
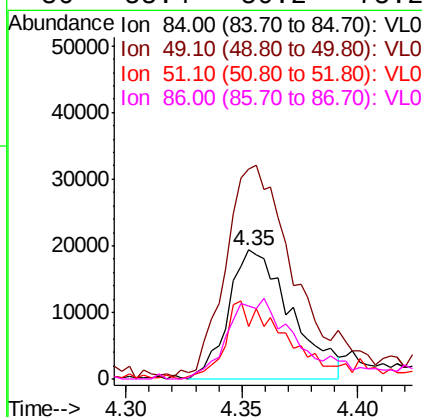
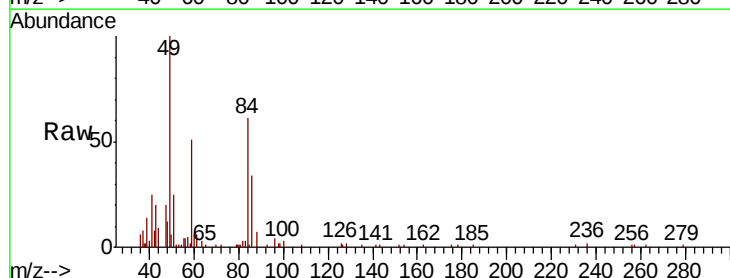
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

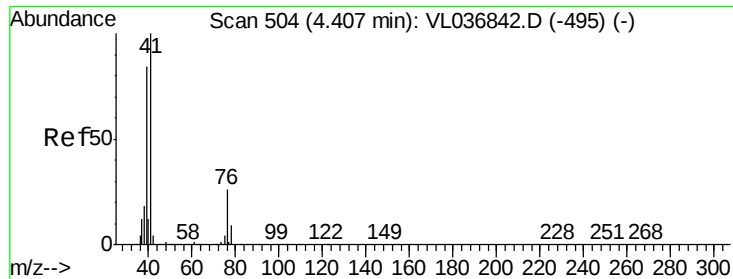
Tot Ion: 96 Resp: 16839
 Ion Ratio Lower Upper
 96 100
 61 174.7 162.2 243.2
 98 46.4 51.8 77.6#



#20
 Methylene Chloride
 Concen: 0.640 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 84 Resp: 36234
 Ion Ratio Lower Upper
 84 100
 49 157.9 135.4 203.0
 51 39.1 39.3 58.9#
 86 55.4 50.2 75.2

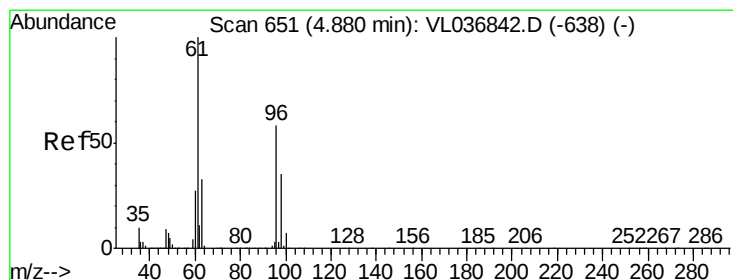
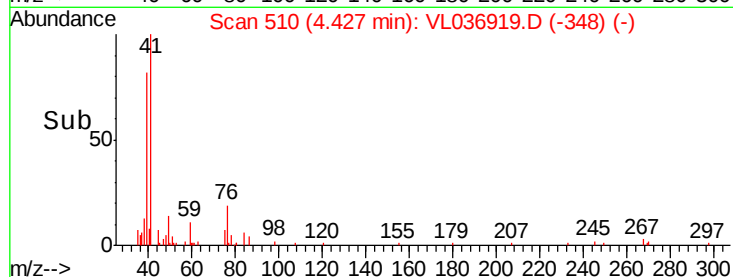
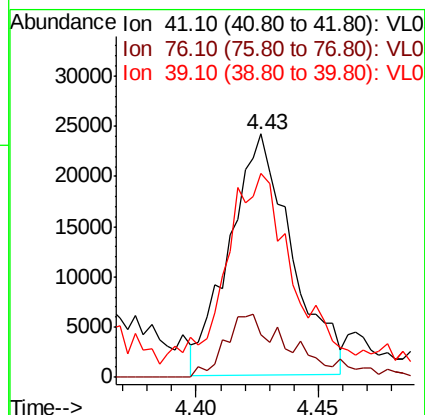
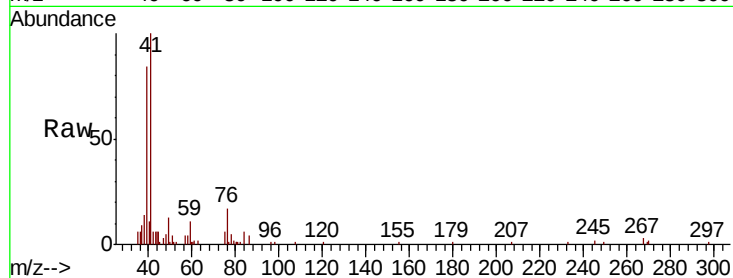




#21
 Allvl Chloride
 Concen: 0.484 ppbv
 RT: 4.43 min Scan# 510
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

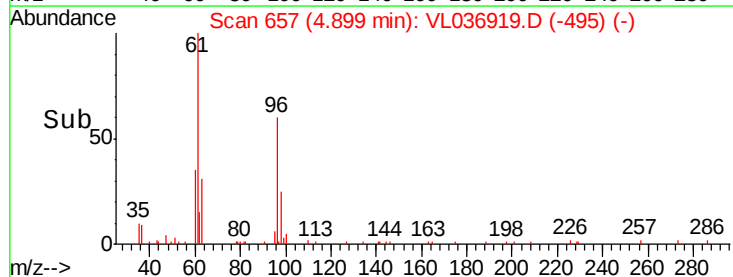
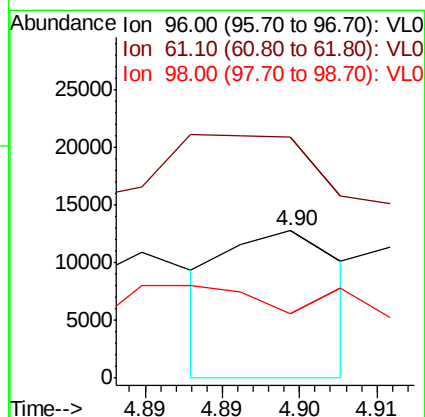
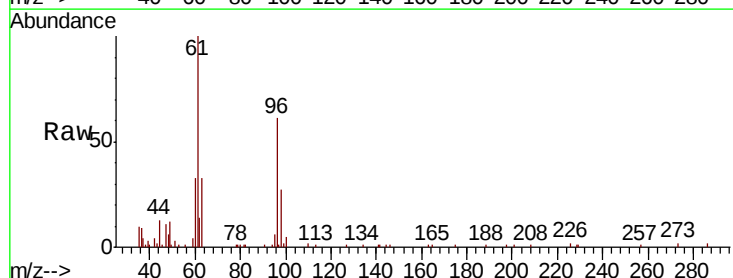
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

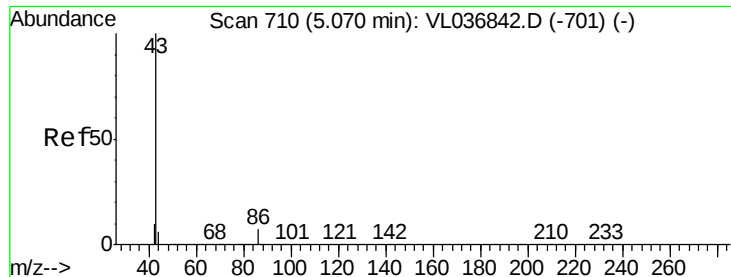
Tot Ion: 41 Resp: 42549
 Ion Ratio Lower Upper
 41 100
 76 30.1 22.4 33.6
 39 100.5 68.4 102.6



#22
 trans-1,2-Dichloroethene
 Concen: 0.129 ppbv
 RT: 4.90 min Scan# 657
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 96 Resp: 6644
 Ion Ratio Lower Upper
 96 100
 61 149.6 138.6 207.8
 98 0.0 48.1 72.1#





#23

Vinyl Acetate

Concen: 0.167 ppbv

RT: 5.10 min Scan# 718

Delta R.T. 0.03 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 26877

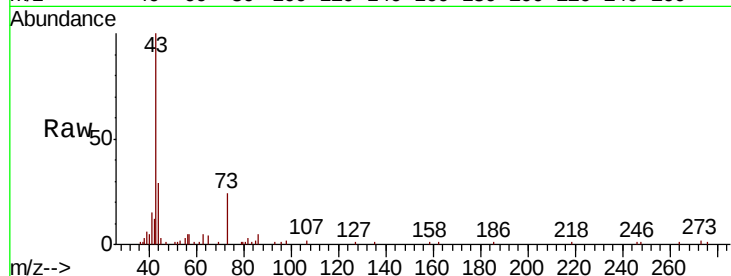
Ion Ratio Lower Upper

43 100

86 6.2 5.3 7.9

42 4.5 8.7 13.1#

44 27.4 3.9 5.9#

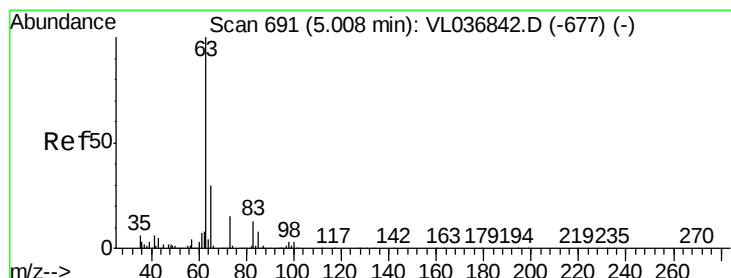
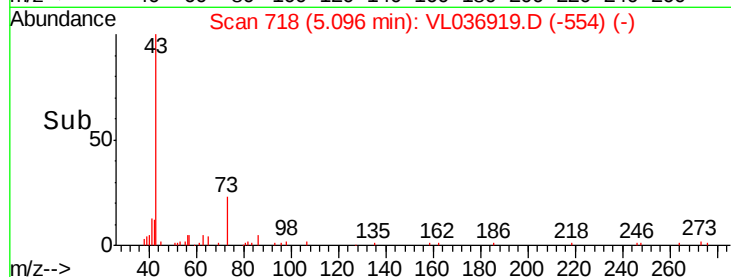
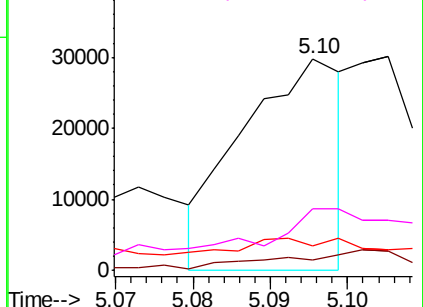


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.257 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

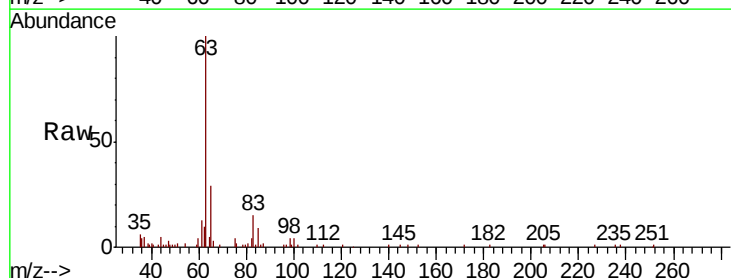
Tgt Ion: 63 Resp: 29407

Ion Ratio Lower Upper

63 100

98 1.5 1.7 5.1#

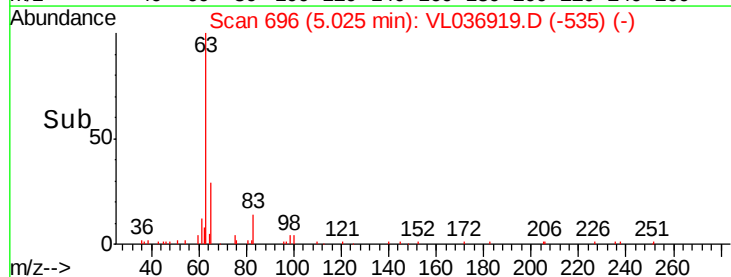
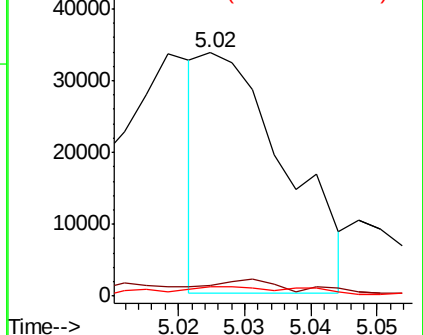
100 2.3 1.3 3.8

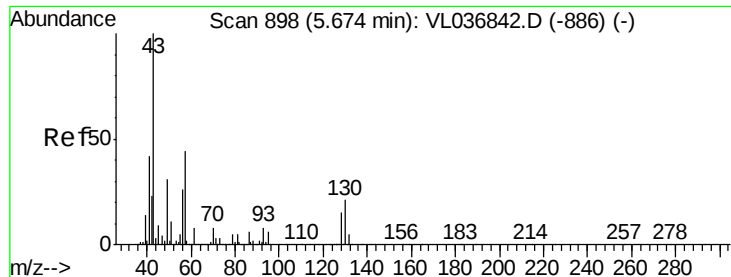


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

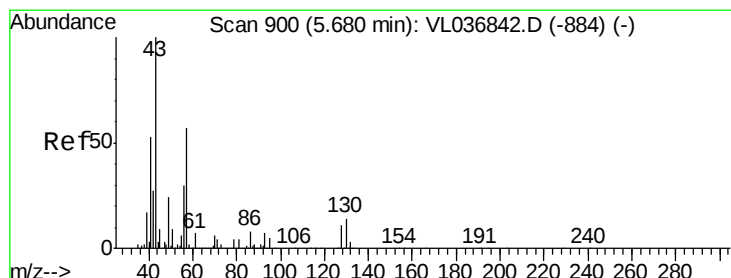
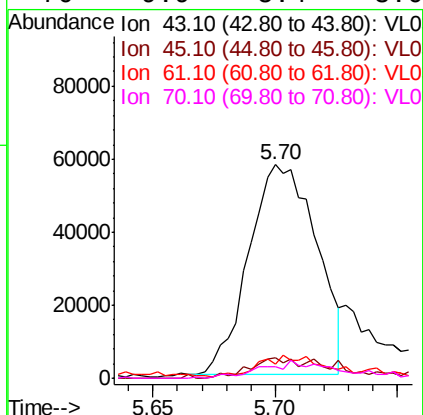
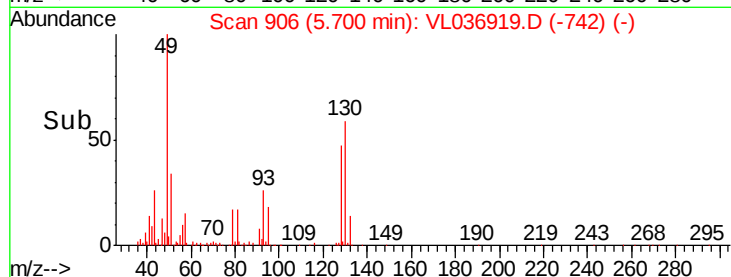
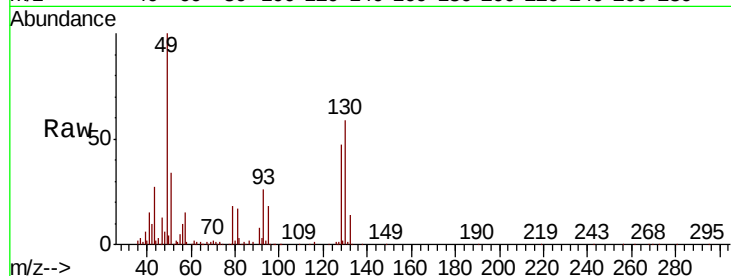




#25
Ethyl Acetate
Concen: 0.385 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

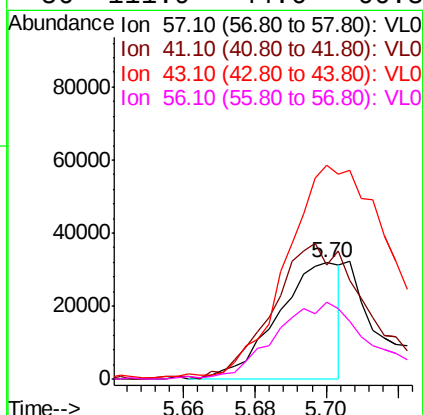
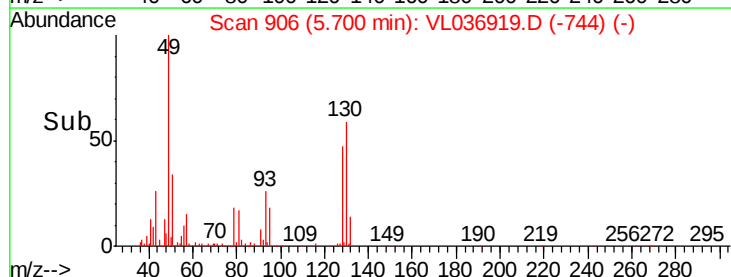
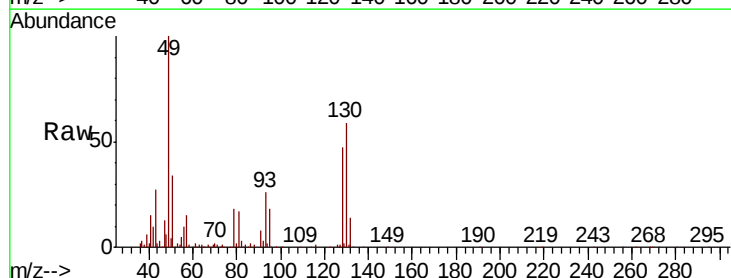
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

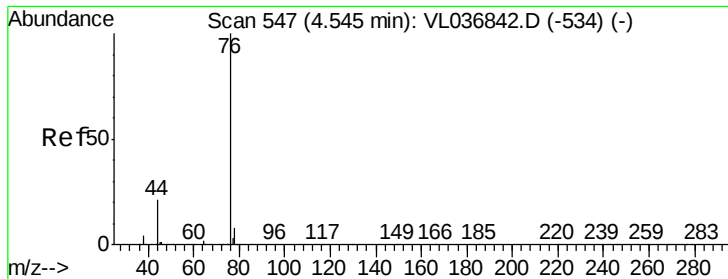
Tot Ion: 43 Resp: 111223
Ion Ratio Lower Upper
43 100
45 12.5 7.8 11.8#
61 13.0 7.4 11.0#
70 9.9 5.4 8.0#



#26
Hexane
Concen: 0.284 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion: 57 Resp: 38415
Ion Ratio Lower Upper
57 100
41 191.6 77.7 116.5#
43 379.2 180.5 270.7#
56 111.9 44.6 66.8#

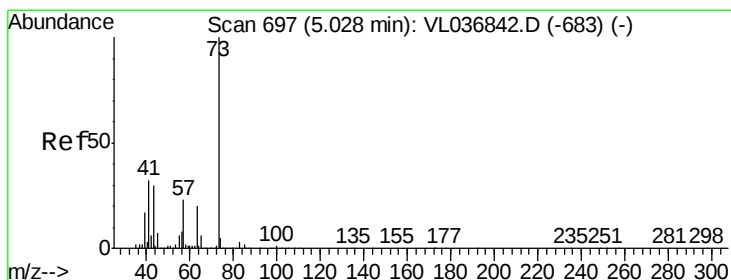
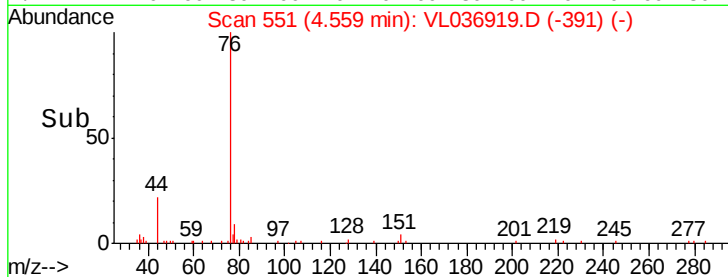
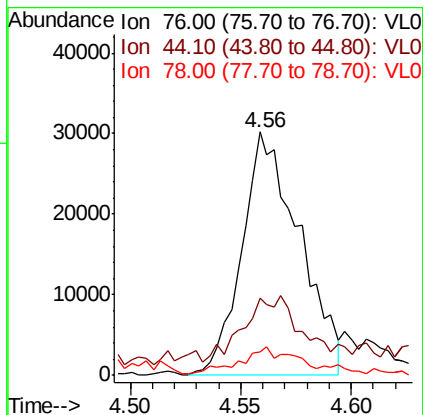
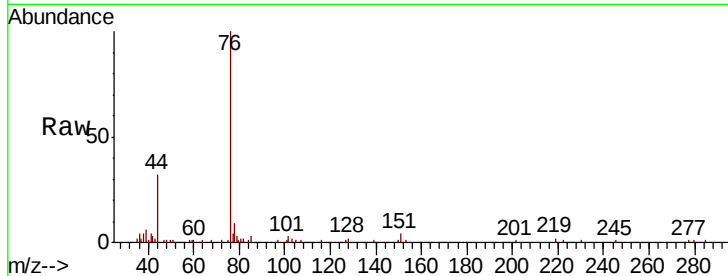




#27
Carbon Disulfide
Concen: 0.466 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.01 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

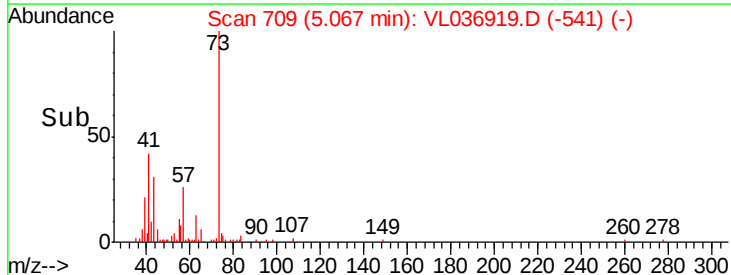
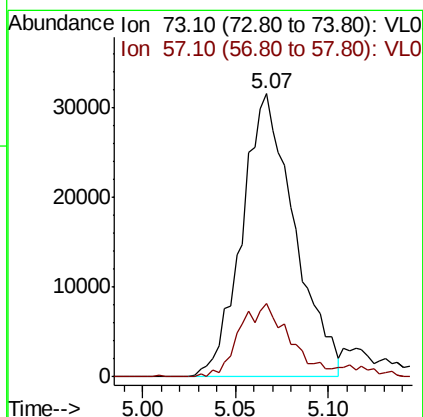
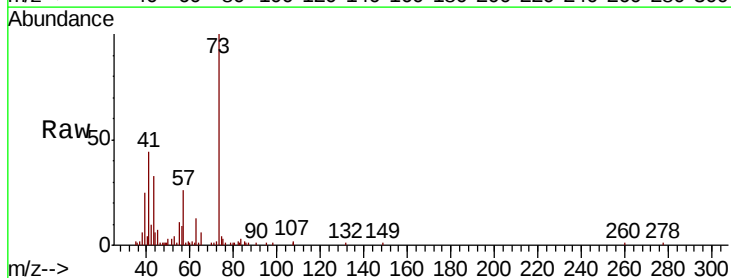
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

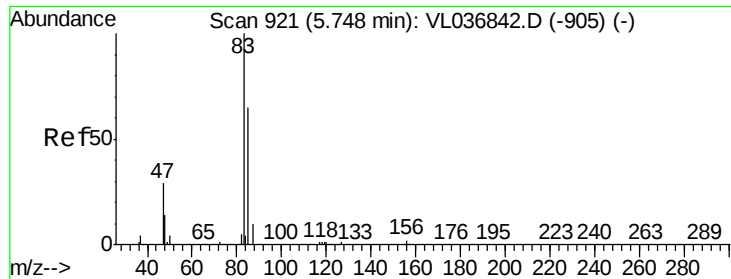
Tot Ion: 76 Resp: 54721
Ion Ratio Lower Upper
76 100
44 39.6 16.9 25.3#
78 12.9 7.9 11.9#



#28
Methyl tert-Butyl Ether
Concen: 0.518 ppbv
RT: 5.07 min Scan# 709
Delta R.T. 0.04 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion: 73 Resp: 62136
Ion Ratio Lower Upper
73 100
57 27.7 19.0 28.6





#29

Chloroform

Concen: 0.590 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

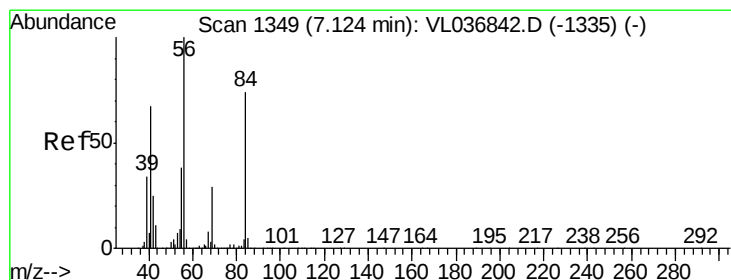
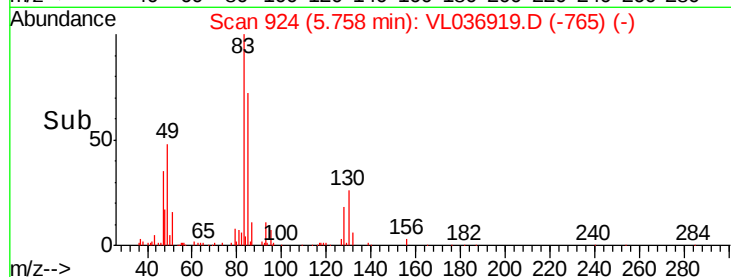
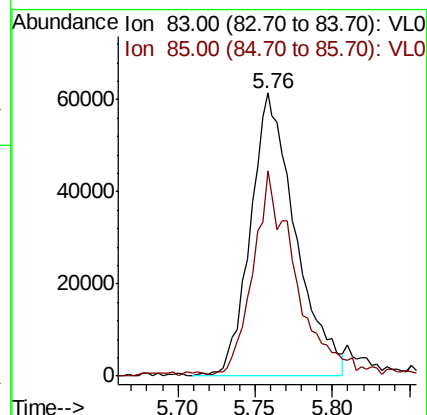
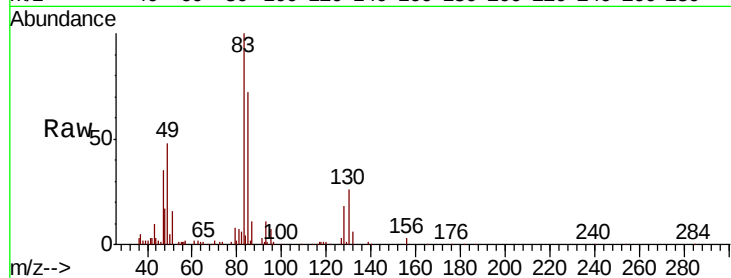
MDL-AIR-03-QT2-2021

Tot Ion: 83 Resp: 124427

Ion Ratio Lower Upper

83 100

85 71.2 52.2 78.4



#30

Cyclohexane

Concen: 0.211 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

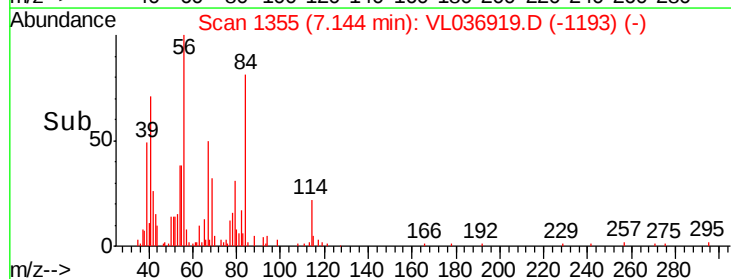
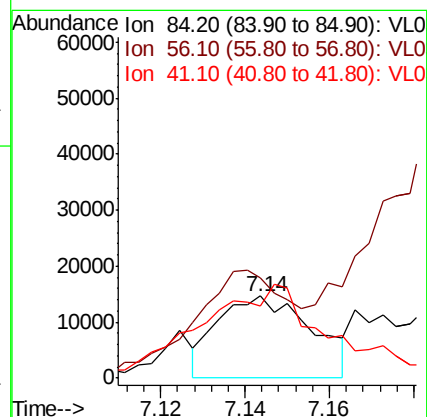
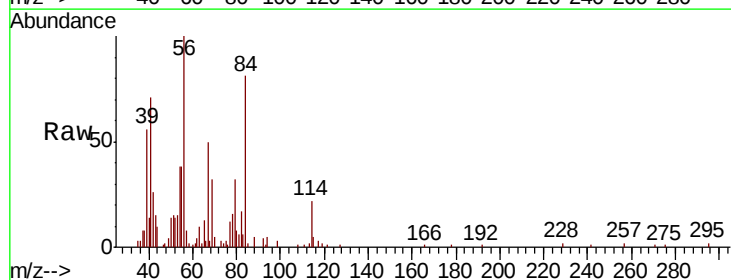
Tgt Ion: 84 Resp: 22655

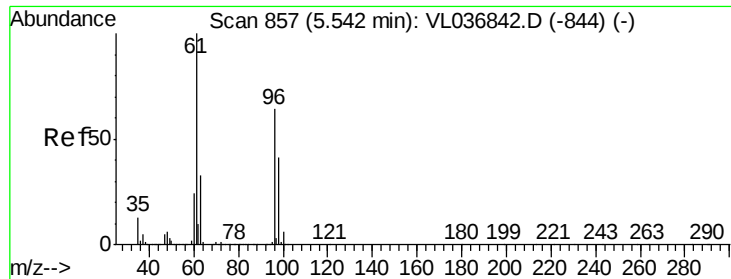
Ion Ratio Lower Upper

84 100

56 0.0 115.8 173.6#

41 177.8 74.6 111.8#

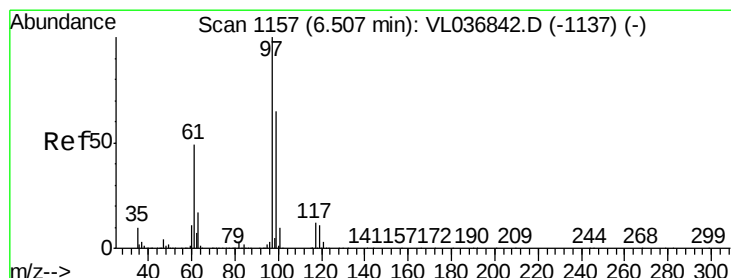
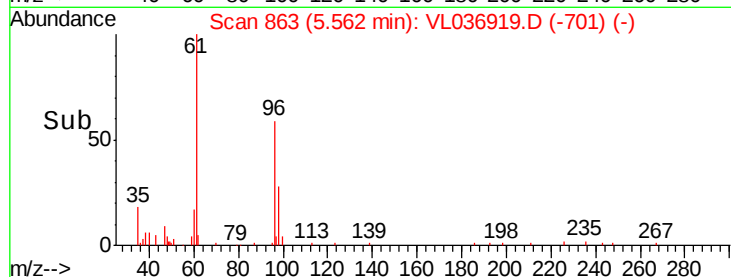
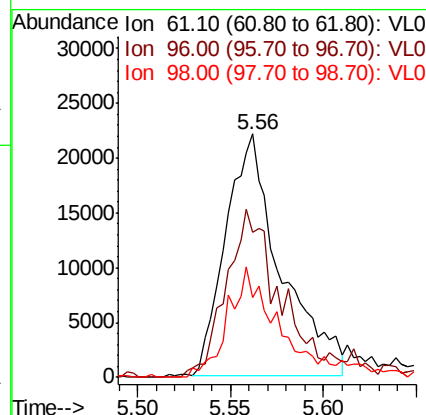
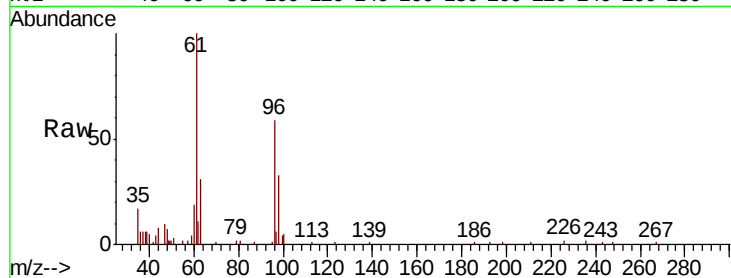




#31
 cis-1,2-Dichloroethene
 Concen: 0.375 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

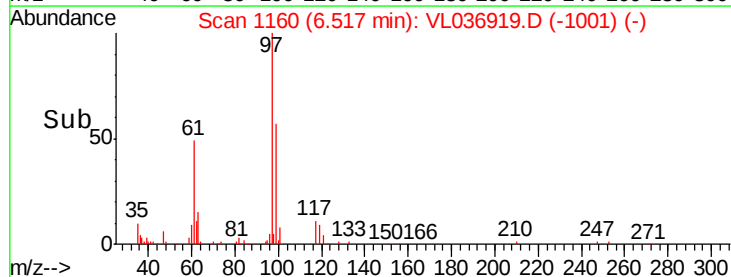
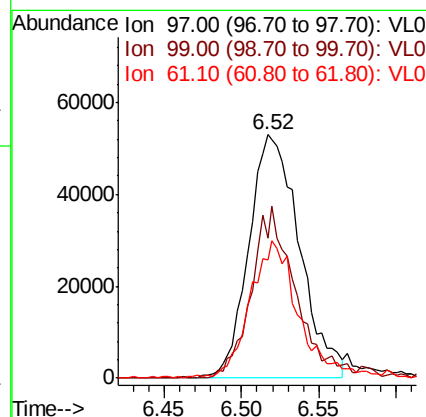
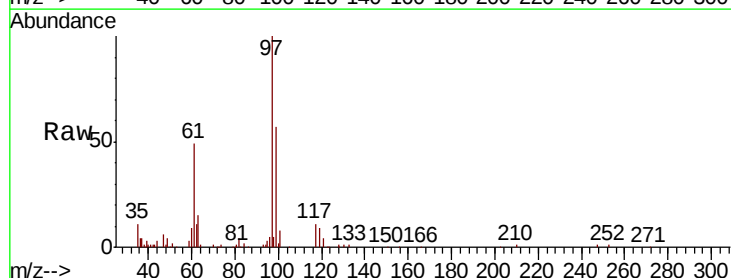
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

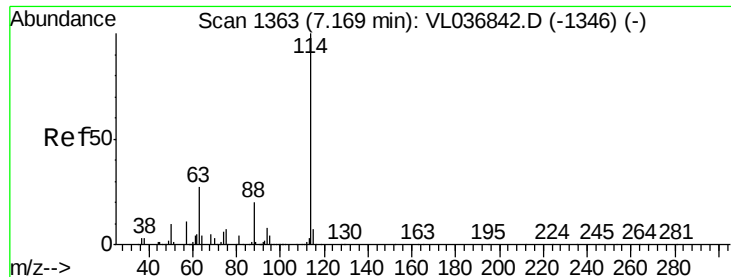
Tot Ion	Ratio	Lower	Upper
61	100		
96	57.5	51.0	76.6
98	29.5	32.7	49.1#



#32
 1,1,1-Trichloroethane
 Concen: 0.565 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.6
61	55.0	40.8	61.2

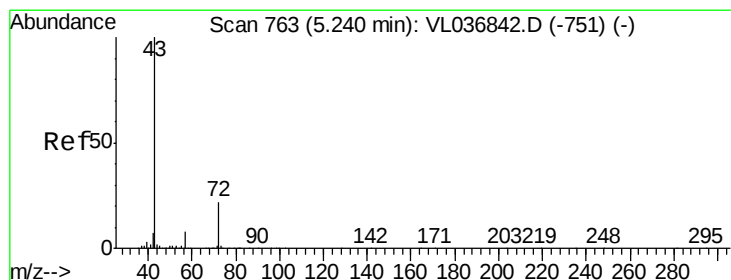
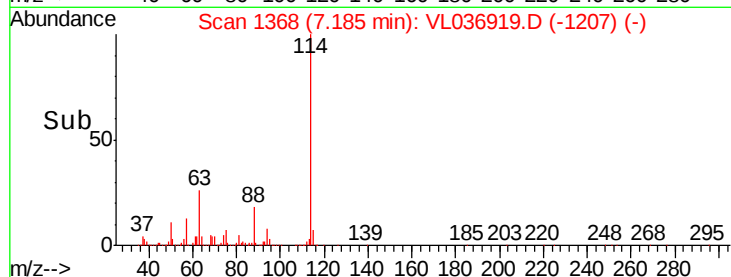
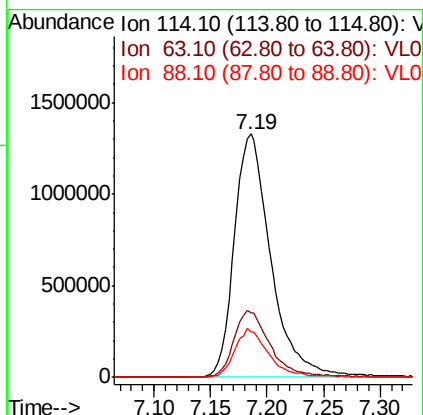
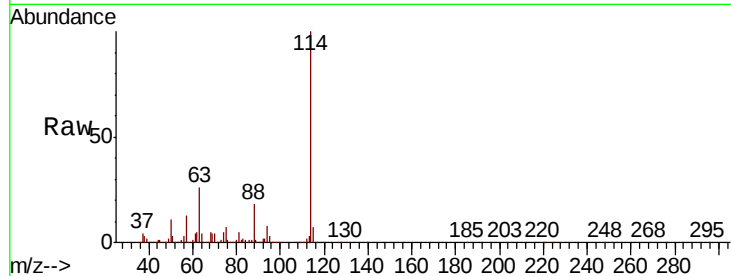




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

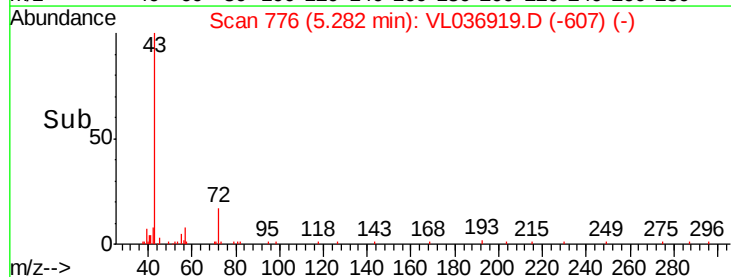
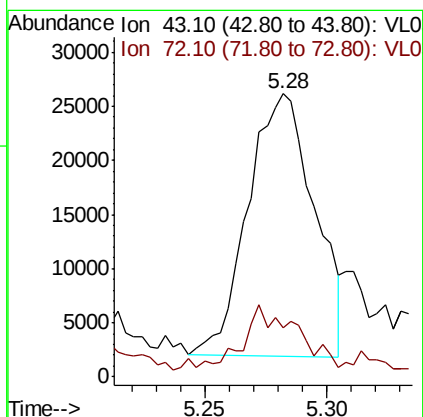
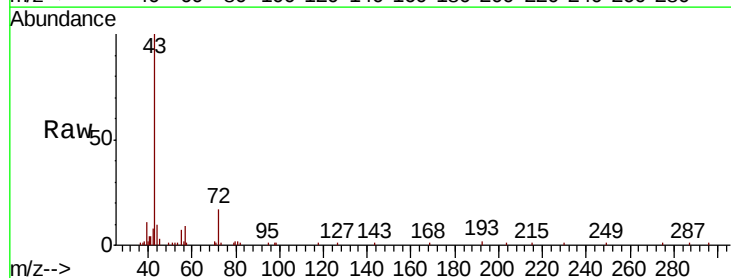
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

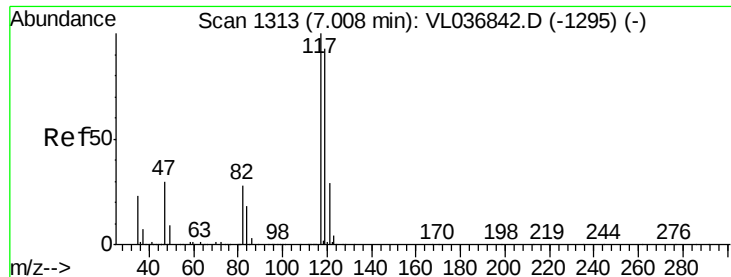
Tot Ion:114 Resp: 2973605
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.9 32.9
 88 18.9 15.1 22.7



#34
 2-Butanone
 Concen: 0.350 ppbv
 RT: 5.28 min Scan# 776
 Delta R.T. 0.04 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 43 Resp: 45646
 Ion Ratio Lower Upper
 43 100
 72 32.7 17.6 26.4#

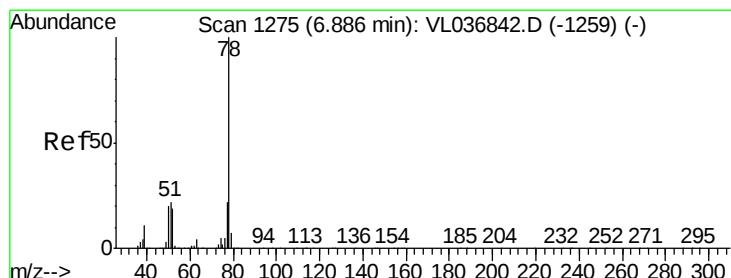
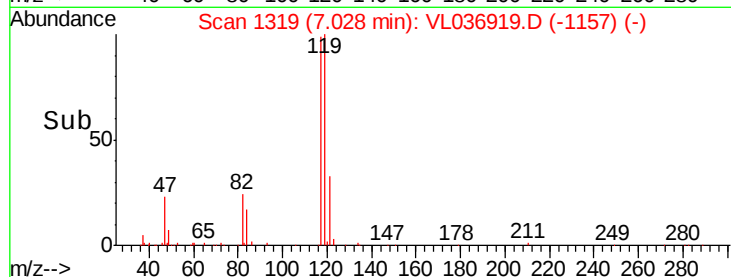
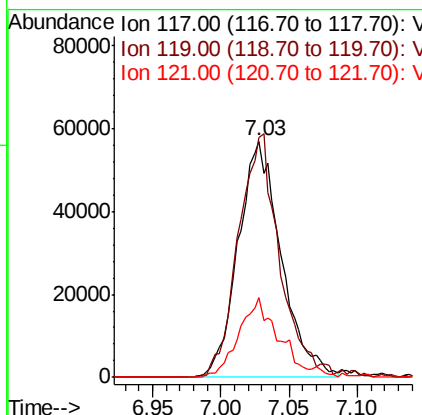
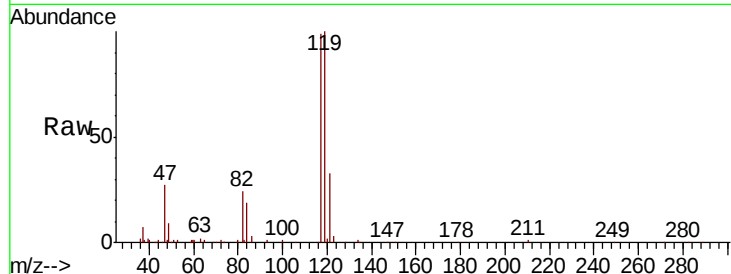




#35
Carbon Tetrachloride
Concen: 0.621 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

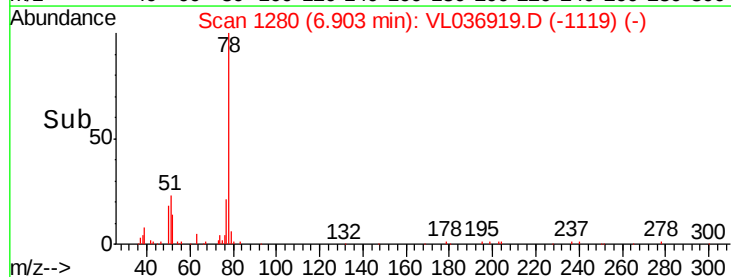
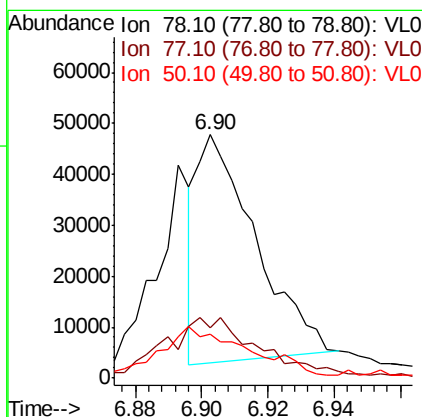
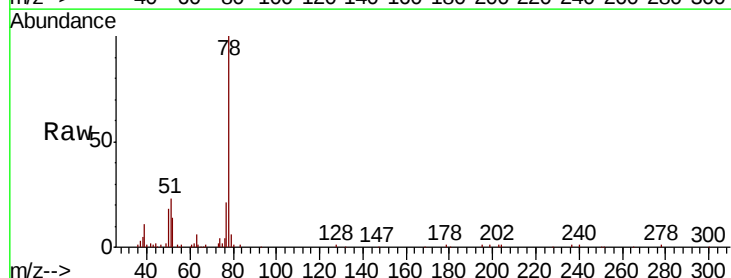
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

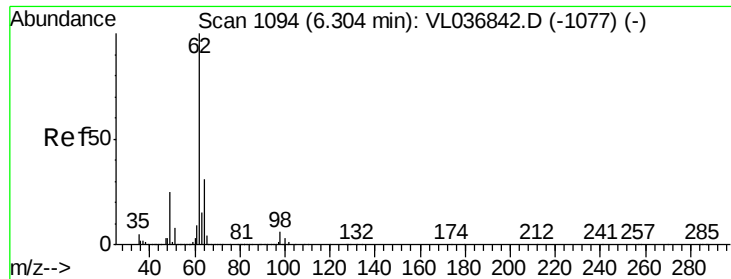
Tot Ion	Ratio	Lower	Upper
117	100		
119	101.5	74.6	111.8
121	33.6	23.3	34.9



#36
Benzene
Concen: 0.216 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.9	17.6	26.4
50	16.8	16.3	24.5

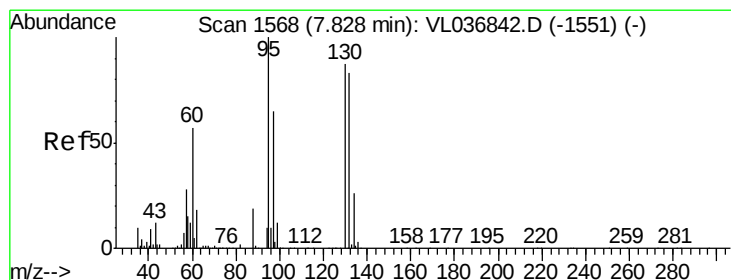
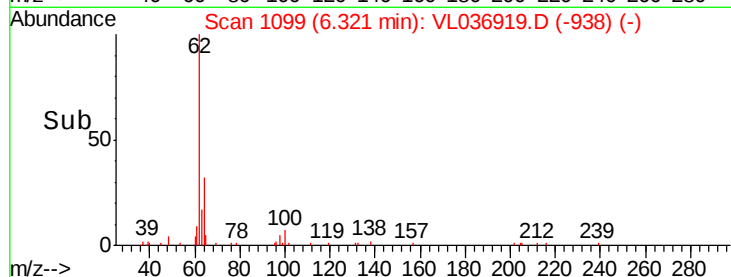
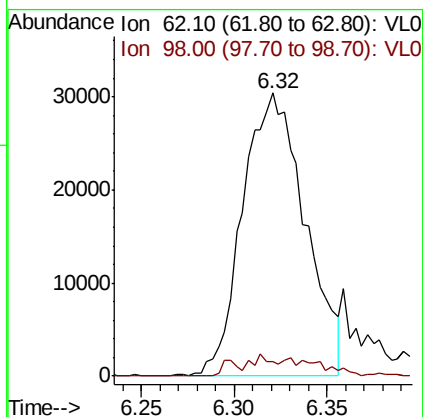
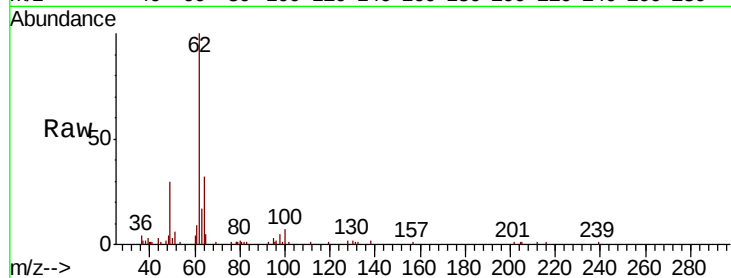




#37
 1,2-Dichloroethane
 Concen: 0.502 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

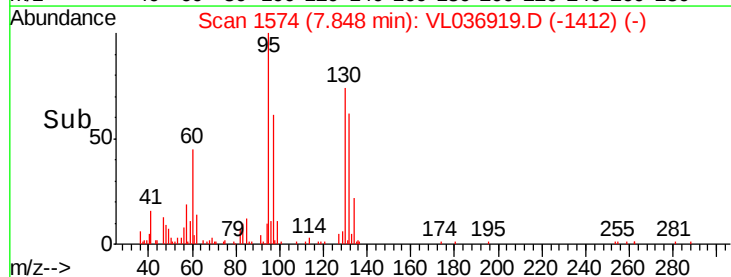
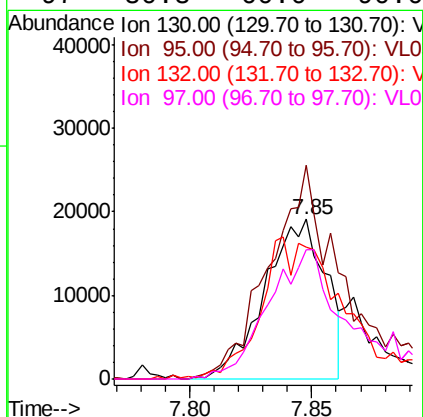
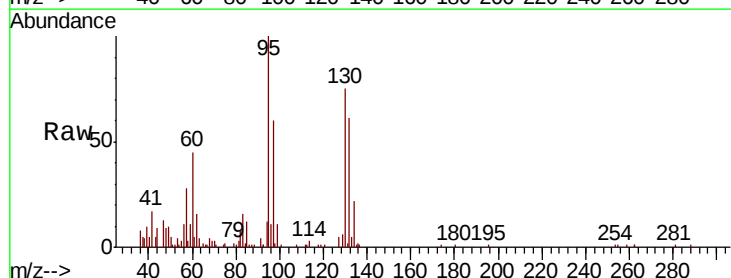
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

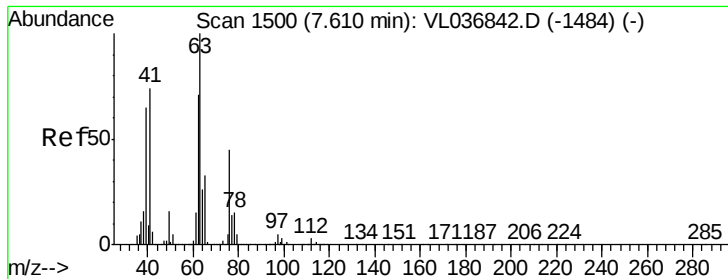
Tot Ion: 62 Resp: 71194
 Ion Ratio Lower Upper
 62 100
 98 8.4 4.8 7.2#



#38
 Trichloroethene
 Concen: 0.372 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion: 130 Resp: 33166
 Ion Ratio Lower Upper
 130 100
 95 133.9 92.3 138.5
 132 80.2 76.8 115.2
 97 80.8 60.0 90.0

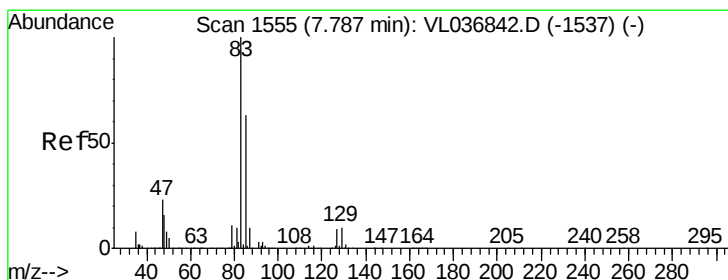
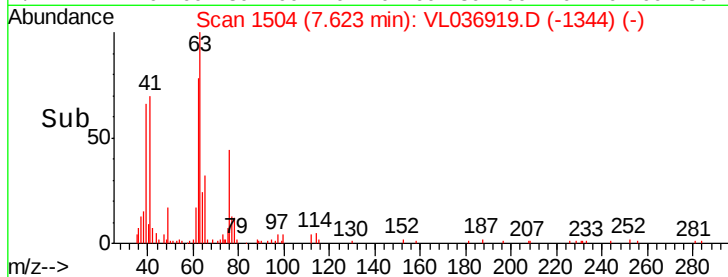
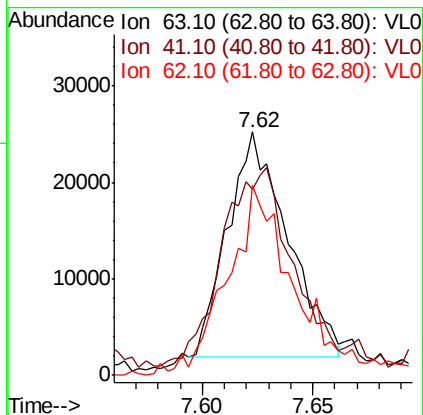
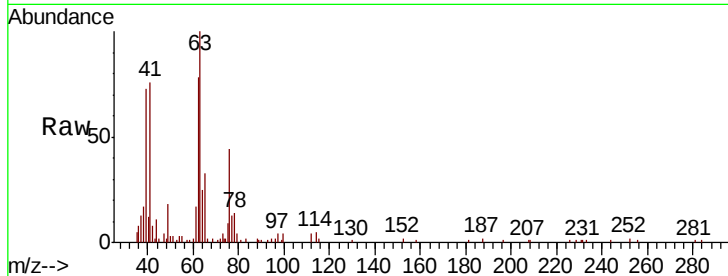




#39
 1,2-Dichloropropane
 Concen: 0.441 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

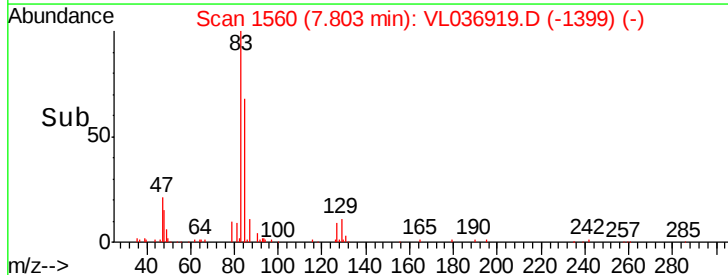
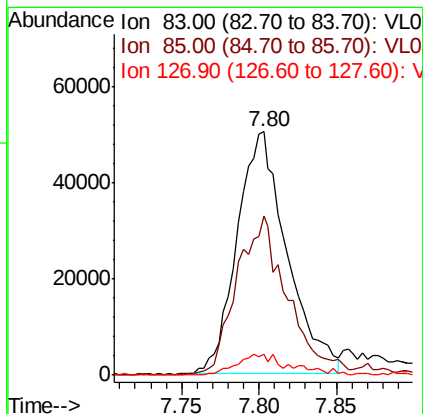
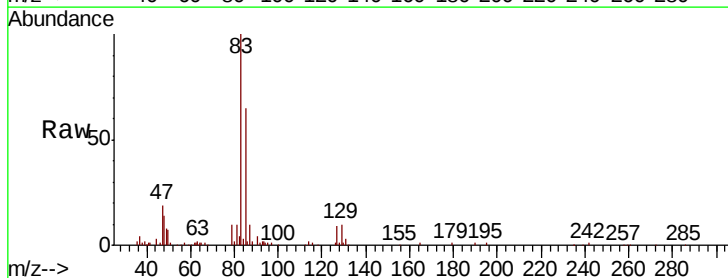
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

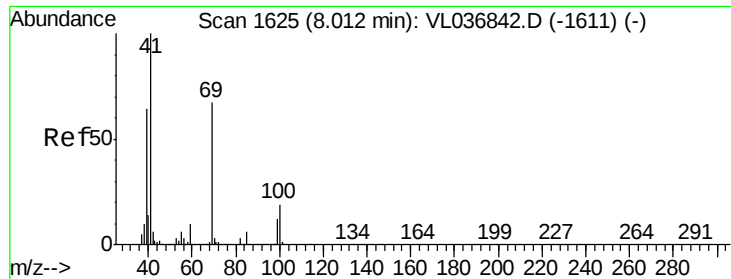
Tot Ion	63	Resp	44289
Ion	Ratio	Lower	Upper
63	100		
41	71.1	59.1	88.7
62	80.2	56.9	85.3



#42
 Bromodichloromethane
 Concen: 0.573 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	83	Resp	112944
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6
127	8.5	6.9	10.3





#43

Methyl Methacrylate

Concen: 0.120 ppbv

RT: 8.04 min Scan# 1633

Delta R.T. 0.03 min

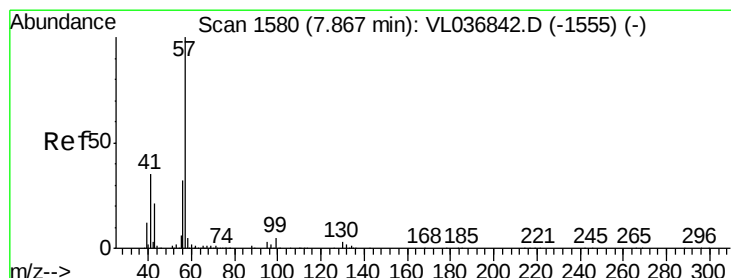
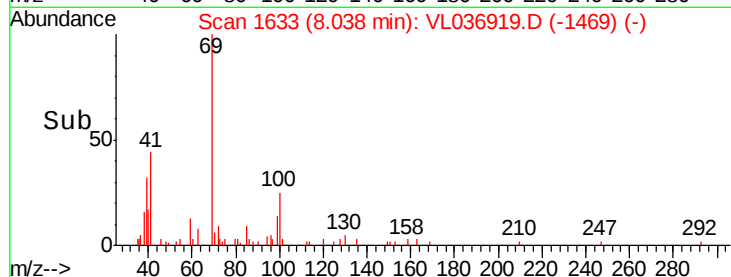
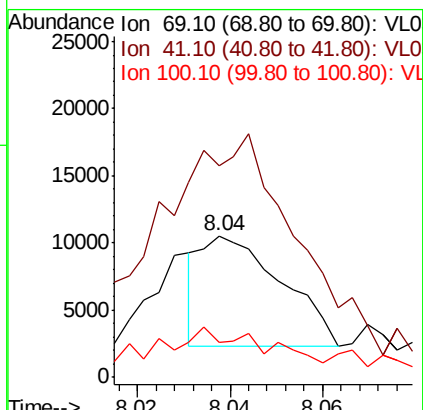
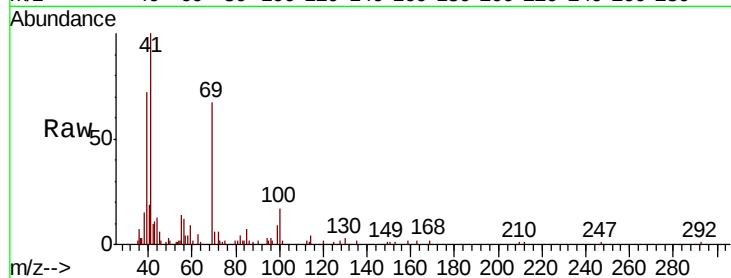
Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Tot Ion: 69 Resp: 9833

Ion	Ratio	Lower	Upper
69	100		
41	415.7	124.2	186.4#
100	94.8	25.5	38.3#



#44

2,2,4-Trimethylpentane

Concen: 0.408 ppbv

RT: 7.89 min Scan# 1586

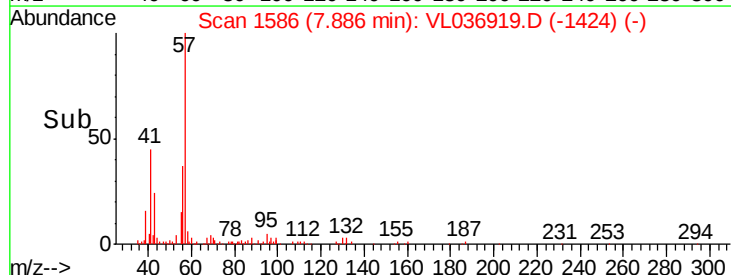
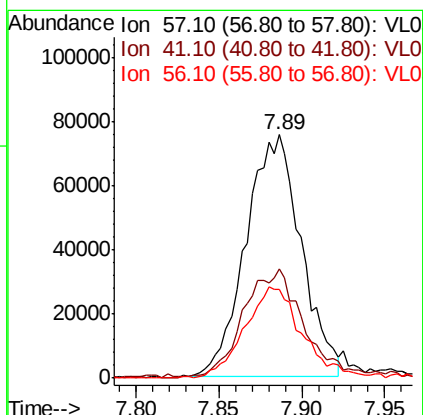
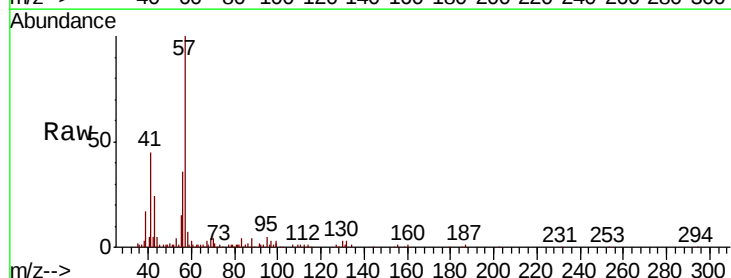
Delta R.T. 0.02 min

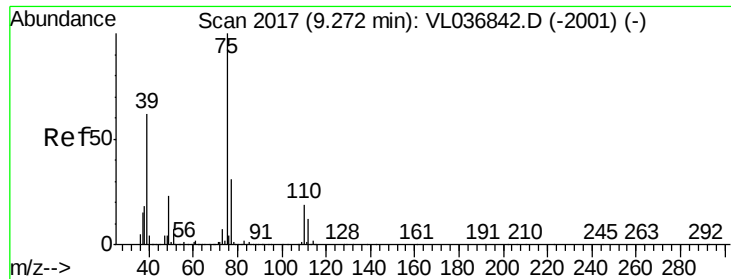
Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion: 57 Resp: 175215

Ion	Ratio	Lower	Upper
57	100		
41	51.8	28.2	42.4#
56	40.7	25.9	38.9#





#45

t-1,3-Dichloropropene

Concen: 0.059 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

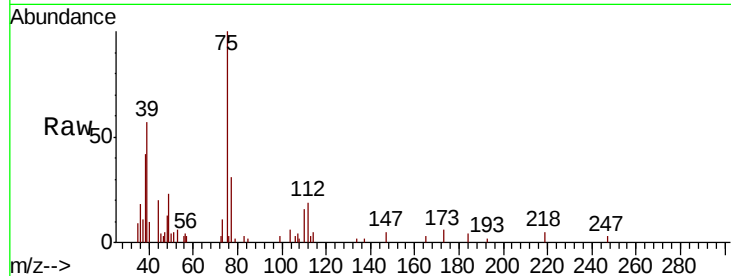
MDL-AIR-03-QT2-2021

Tot Ion: 75 Resp: 5237

Ion Ratio Lower Upper

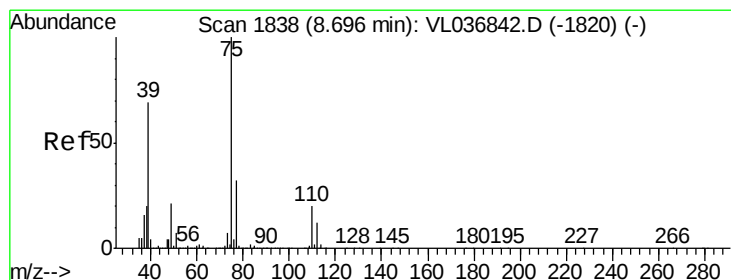
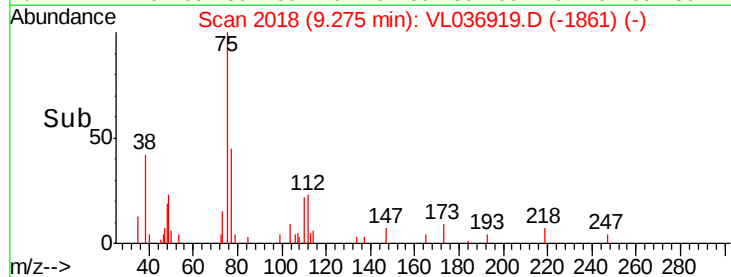
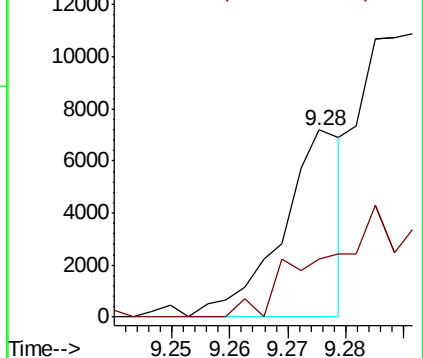
75 100

77 30.4 24.6 37.0



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: 0.204 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

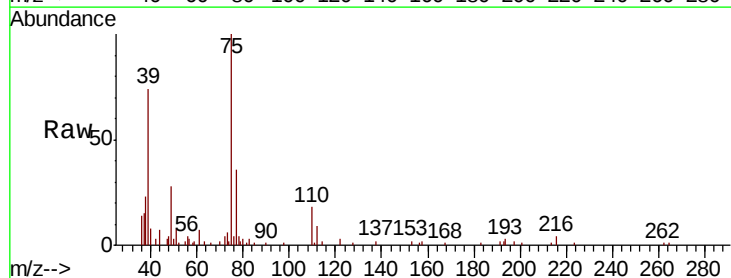
Tgt Ion: 75 Resp: 23105

Ion Ratio Lower Upper

75 100

39 68.9 55.4 83.0

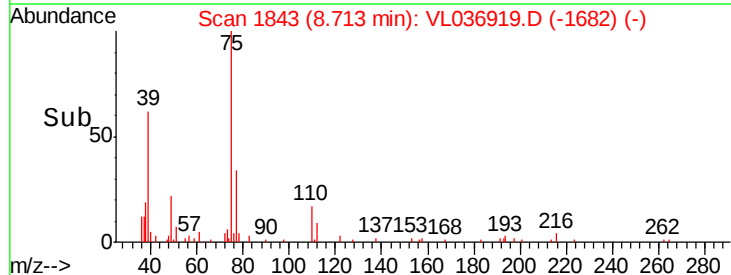
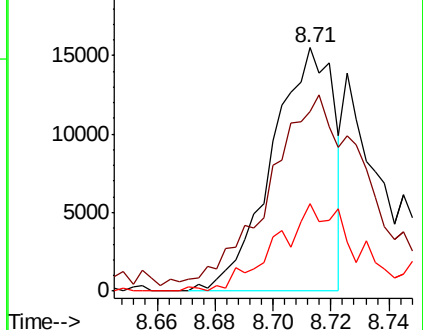
77 34.4 25.2 37.8

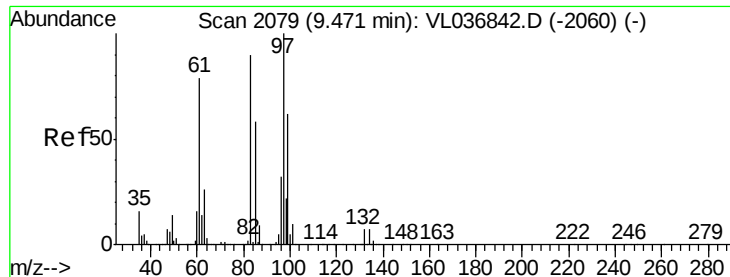


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.352 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 97 Resp: 36592

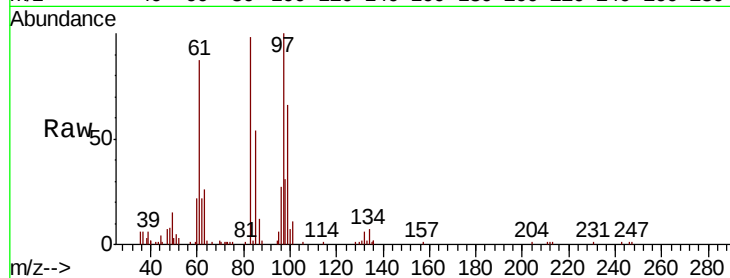
Ion Ratio Lower Upper

97 100

83 95.5 71.9 107.9

85 51.5 46.5 69.7

99 66.1 49.8 74.8

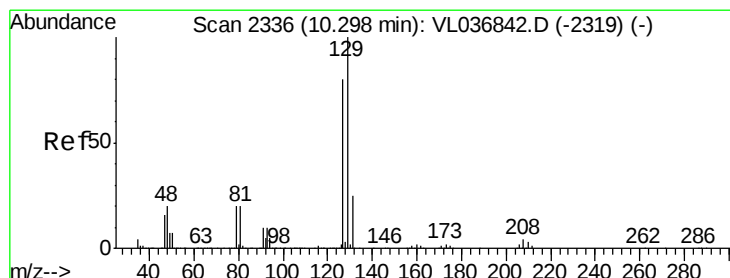
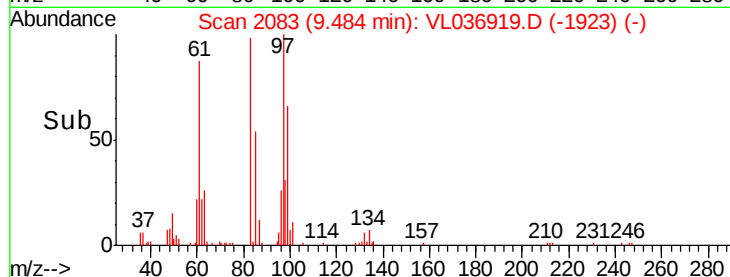
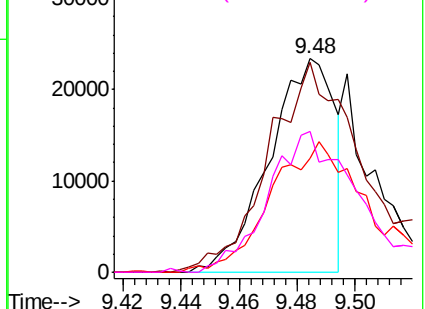


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.268 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. 0.02 min

Lab File: VL036919.D

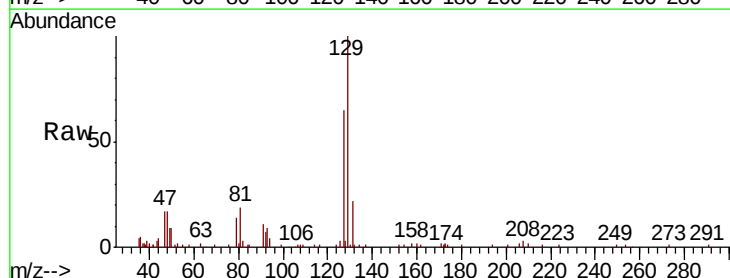
Acq: 7 May 2021 14:53

Tgt Ion: 129 Resp: 41262

Ion Ratio Lower Upper

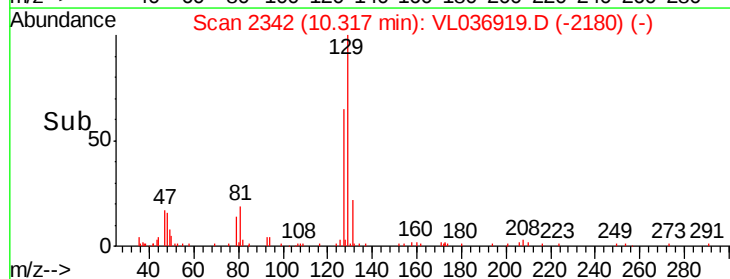
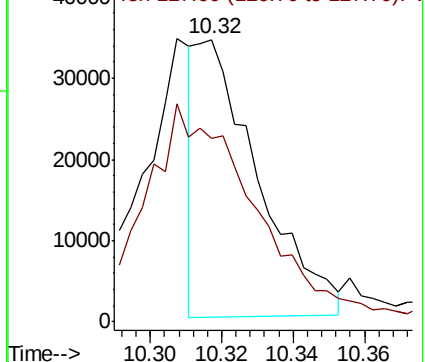
129 100

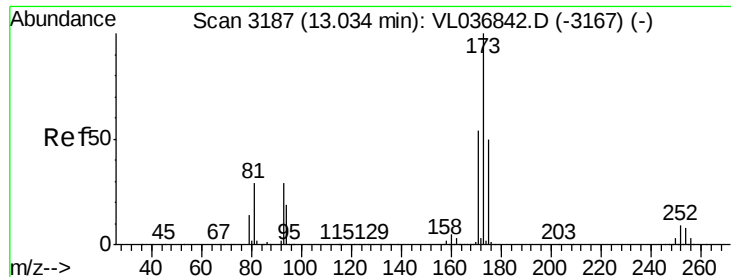
127 0.0 40.2 120.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.454 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

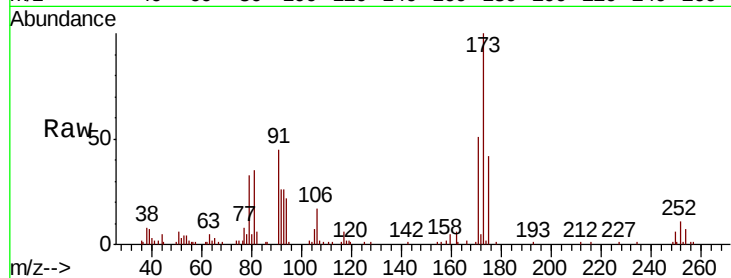
Tot Ion:173 Resp: 55760

Ion Ratio Lower Upper

173 100

175 57.1 39.6 59.4

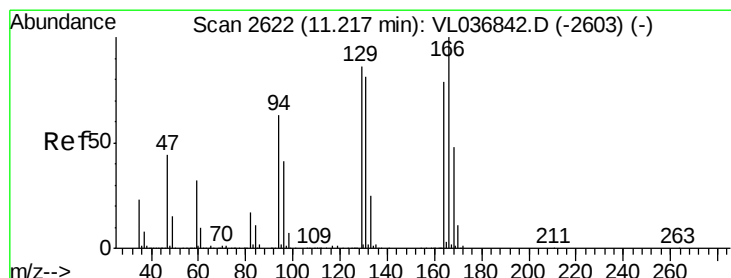
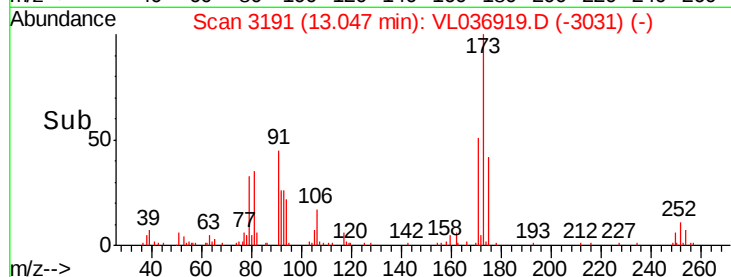
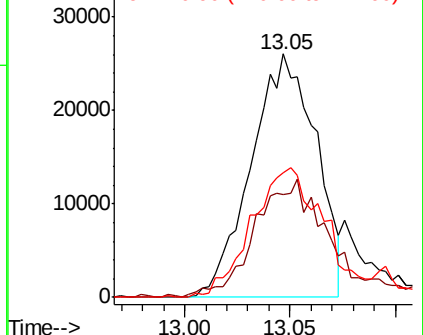
171 65.2 42.2 63.4#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#52

Tetrachloroethene

Concen: 0.157 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:164 Resp: 13367

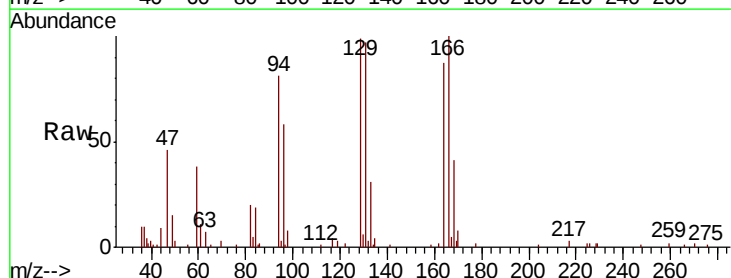
Ion Ratio Lower Upper

164 100

166 100.3 100.9 151.3#

129 111.0 87.0 130.4

131 114.1 81.7 122.5

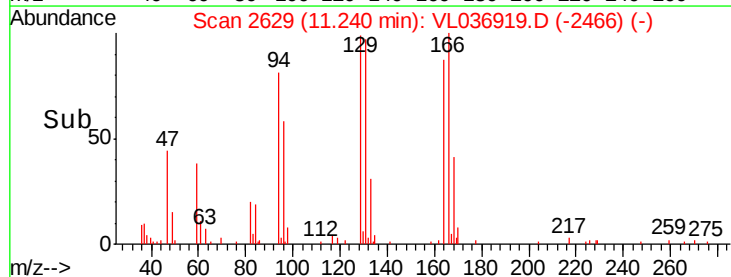
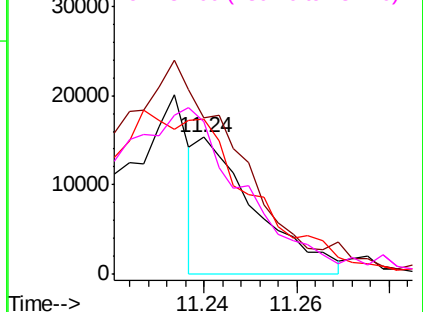


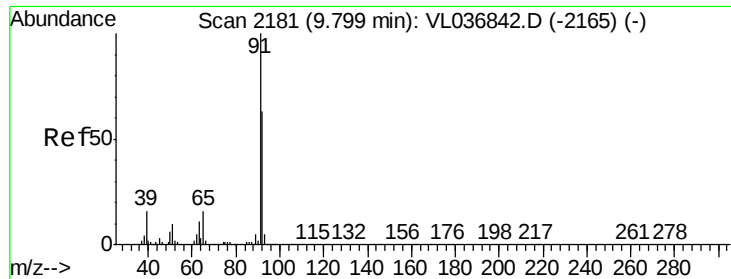
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.315 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

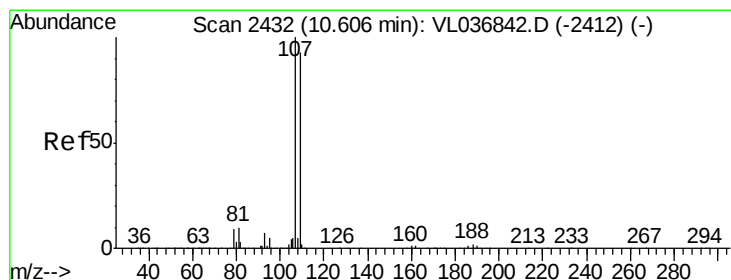
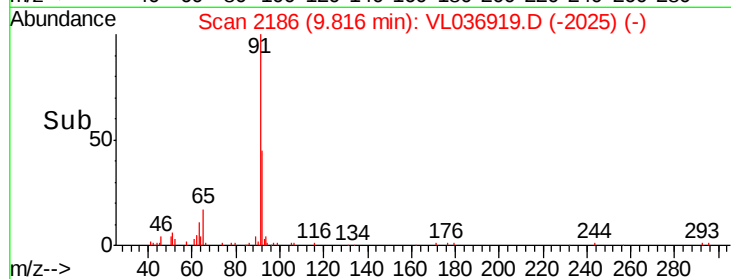
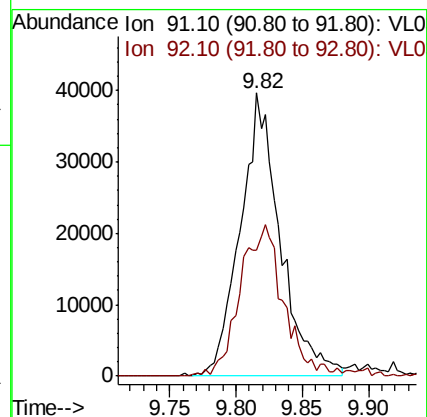
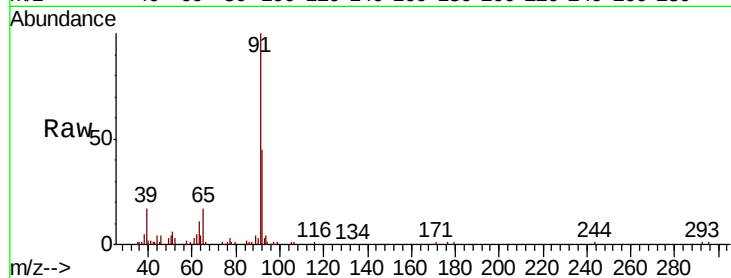
MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 82710

Ion Ratio Lower Upper

91 100

92 58.3 49.0 73.4



#54

1,2-Dibromoethane

Concen: 0.288 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.02 min

Lab File: VL036919.D

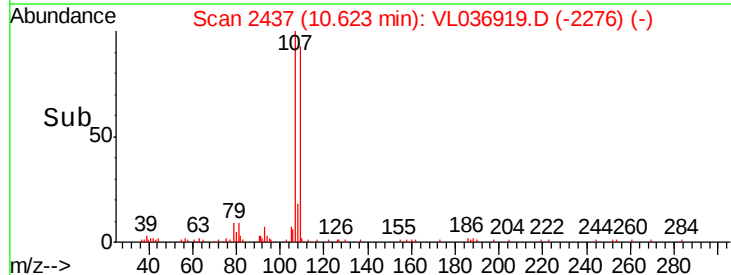
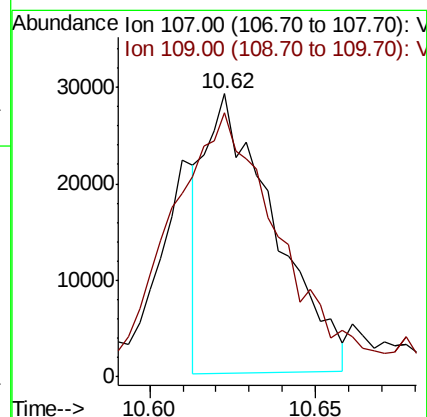
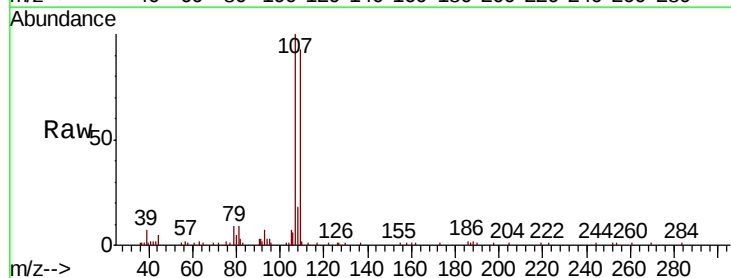
Acq: 7 May 2021 14:53

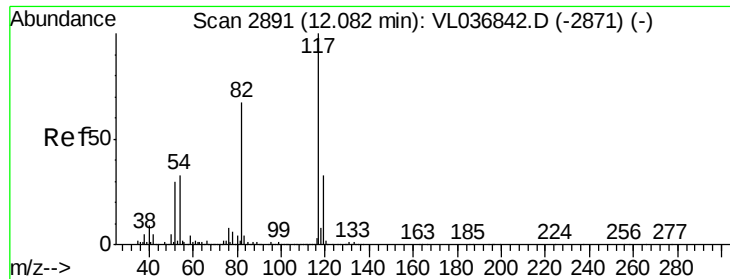
Tgt Ion:107 Resp: 42185

Ion Ratio Lower Upper

107 100

109 87.3 74.7 112.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

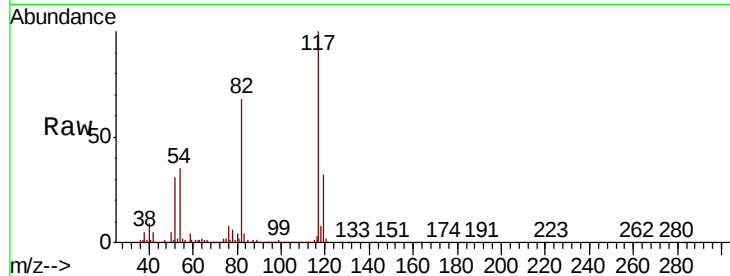
Tot Ion:117 Resp: 2596540

Ion Ratio Lower Upper

117 100

82 68.3 53.5 80.3

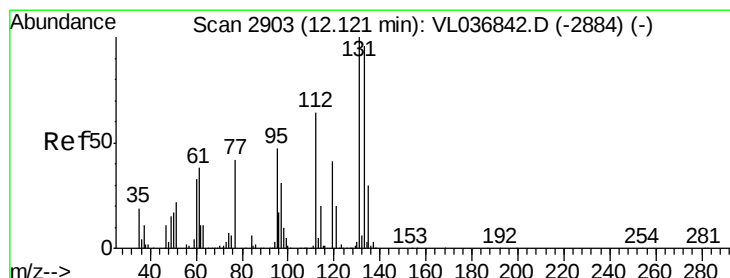
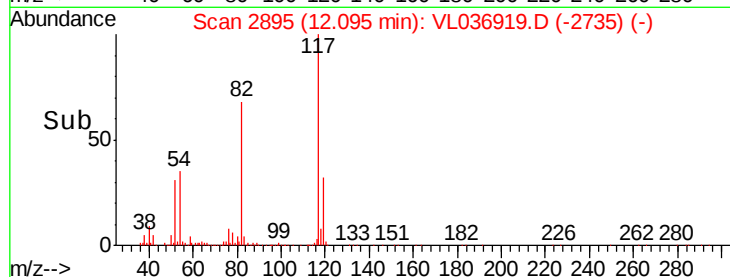
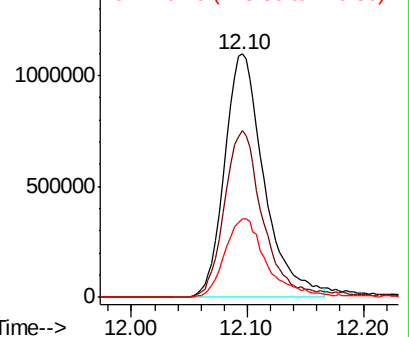
119 35.3 25.6 38.4



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.670 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

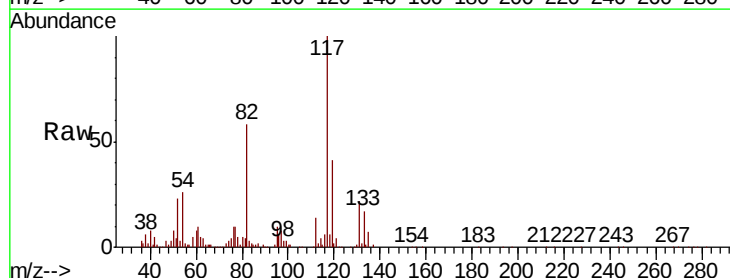
Tgt Ion:131 Resp: 72951

Ion Ratio Lower Upper

131 100

133 93.9 76.3 114.5

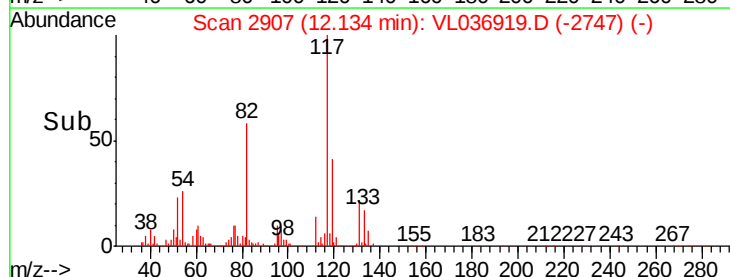
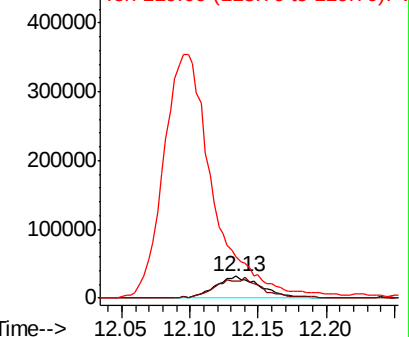
119 1258.4 114.9 172.3#

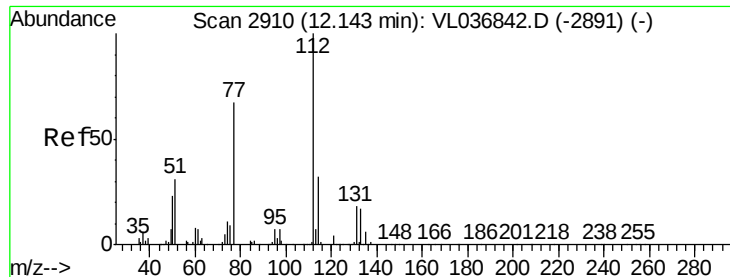


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.576 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

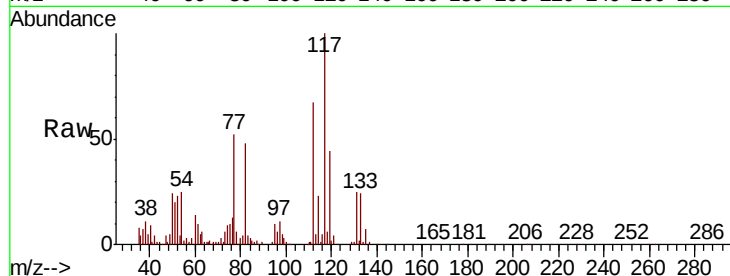
Tot Ion: 112 Resp: 116579

Ion Ratio Lower Upper

112 100

77 71.4 54.2 81.4

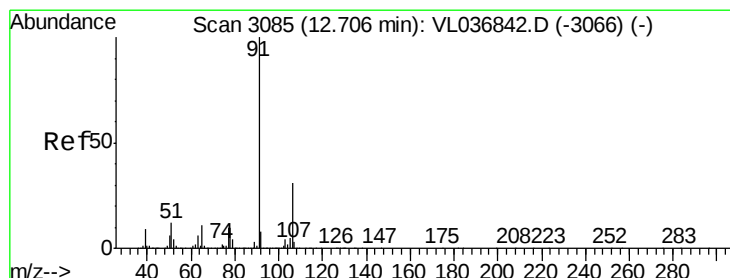
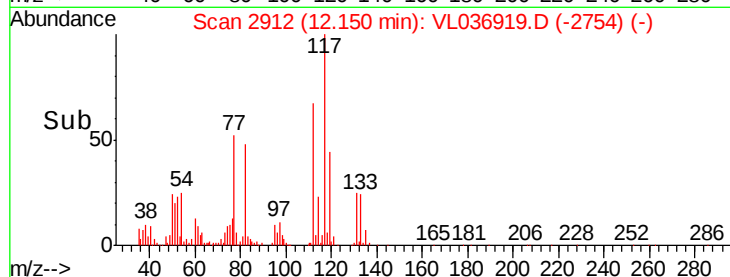
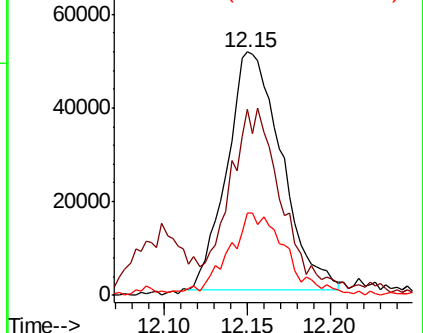
114 32.4 28.5 34.9



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: 0.195 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.02 min

Lab File: VL036919.D

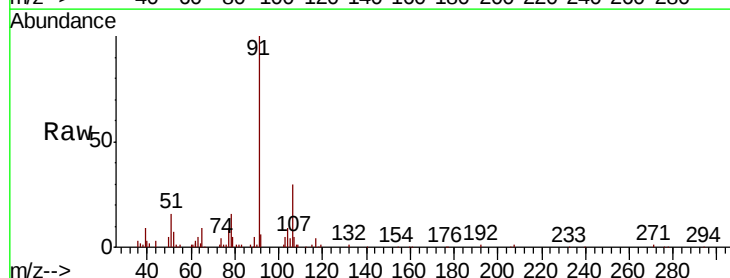
Acq: 7 May 2021 14:53

Tgt Ion: 91 Resp: 64267

Ion Ratio Lower Upper

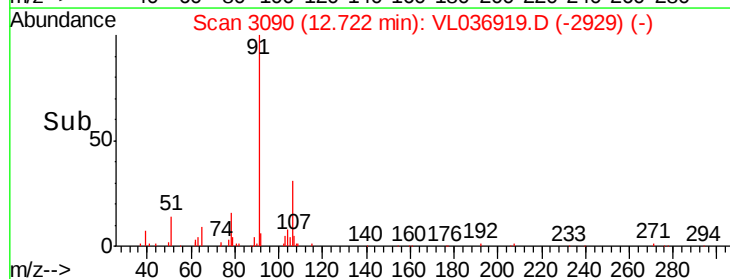
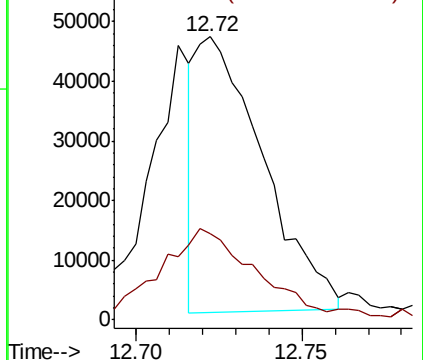
91 100

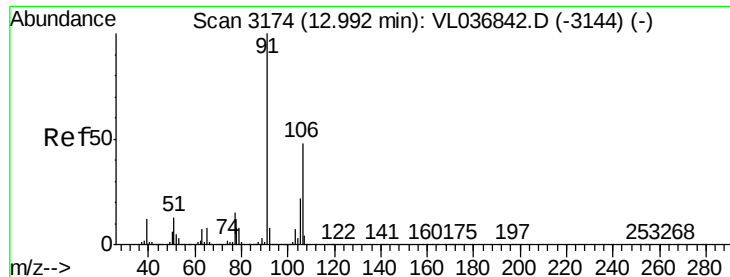
106 28.9 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.234 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

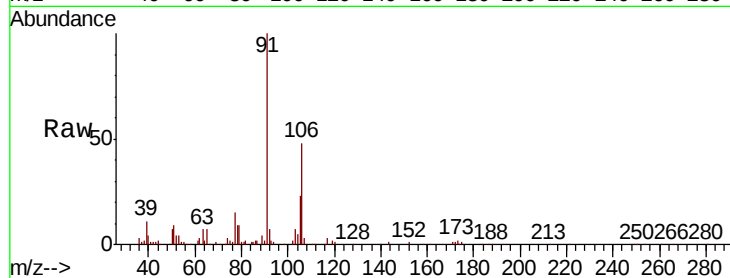
MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 68907

Ion Ratio Lower Upper

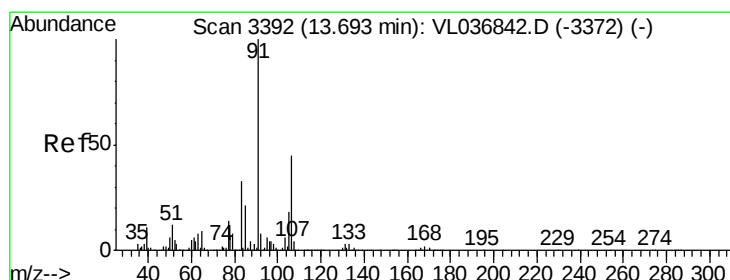
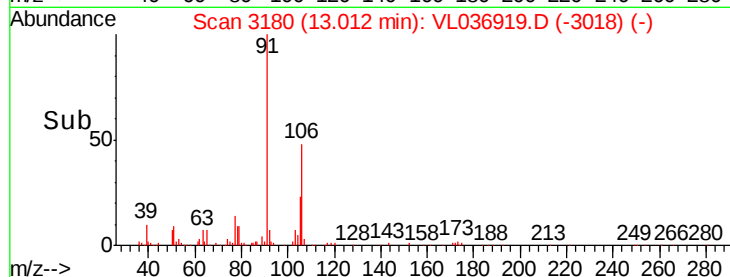
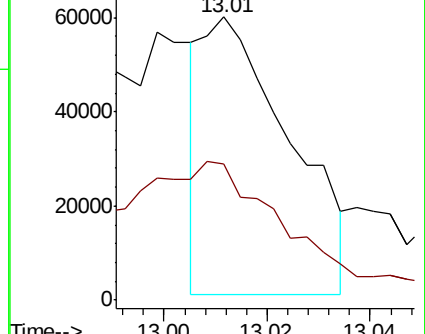
91 100

106 150.5 35.8 53.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.407 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VL036919.D

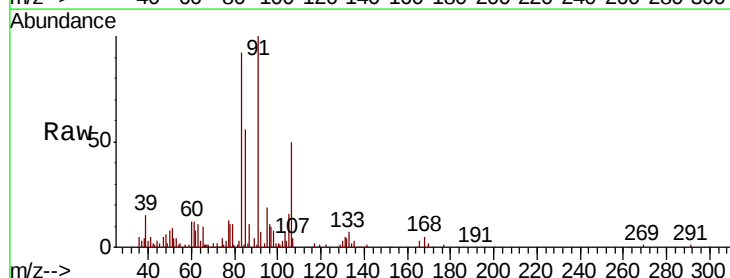
Acq: 7 May 2021 14:53

Tgt Ion: 91 Resp: 115702

Ion Ratio Lower Upper

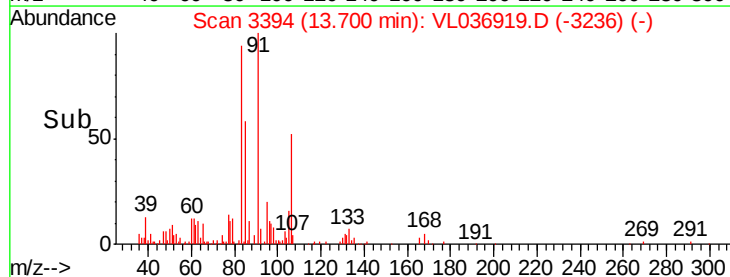
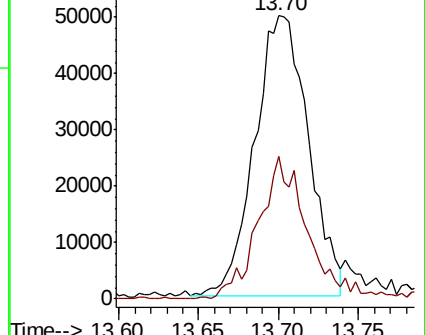
91 100

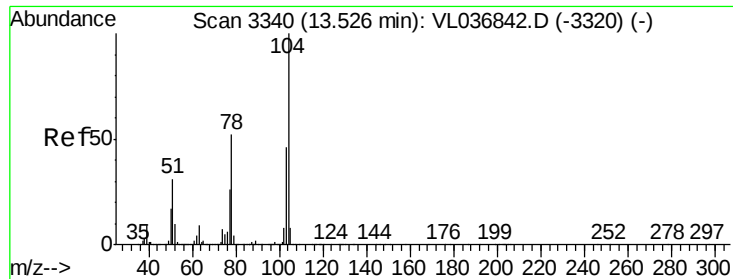
106 45.9 22.6 67.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

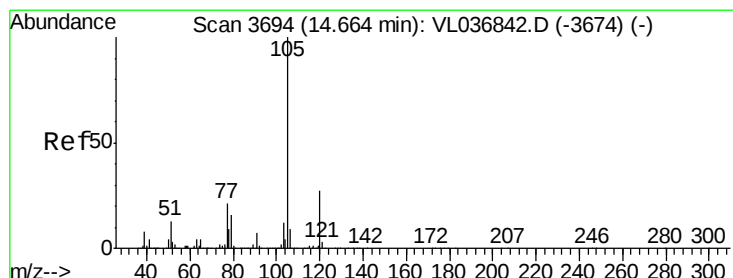
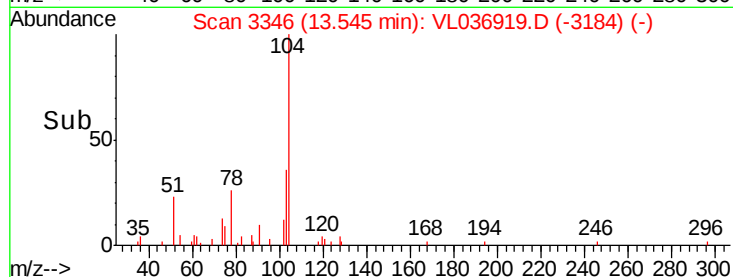
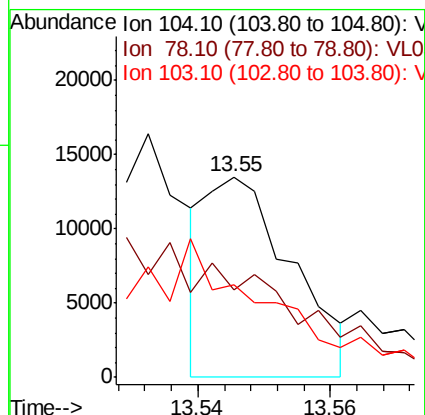
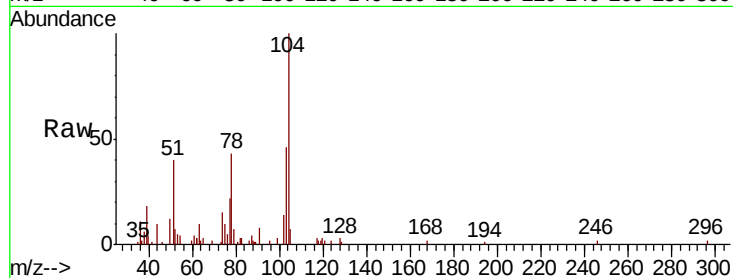




#61
Stvrene
Concen: 0.090 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

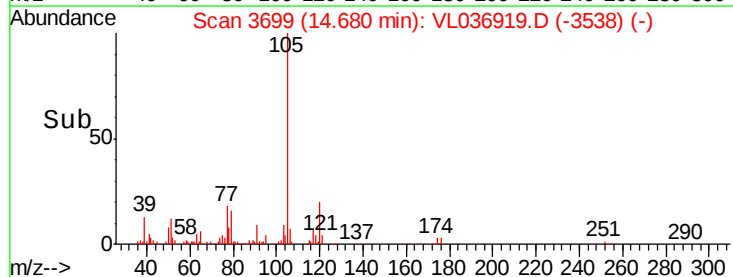
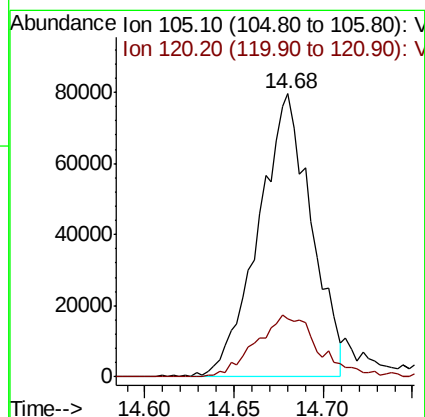
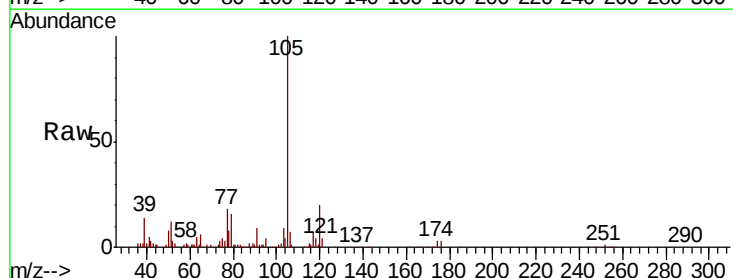
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

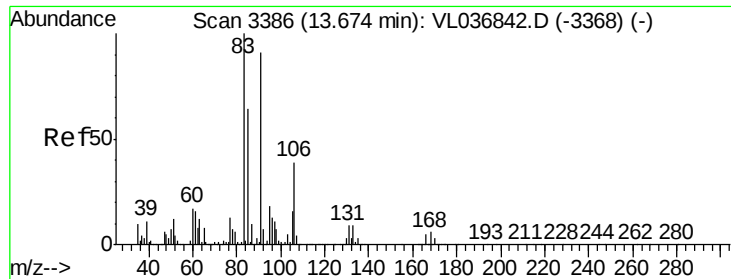
Tot Ion:104 Resp: 12068
Ion Ratio Lower Upper
104 100
78 0.0 42.6 64.0#
103 145.3 38.1 57.1#



#62
Isopropylbenzene
Concen: 0.424 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.02 min
Lab File: VL036919.D
Acq: 7 May 2021 14:53

Tgt Ion:105 Resp: 164284
Ion Ratio Lower Upper
105 100
120 26.0 21.1 31.7

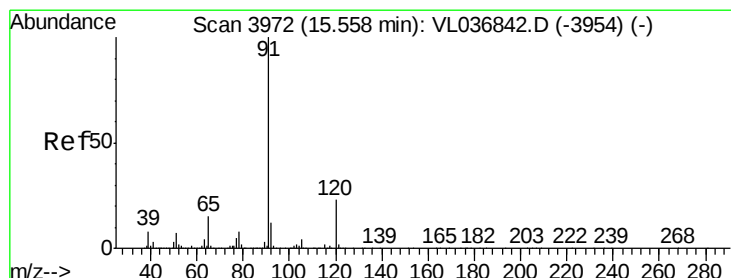
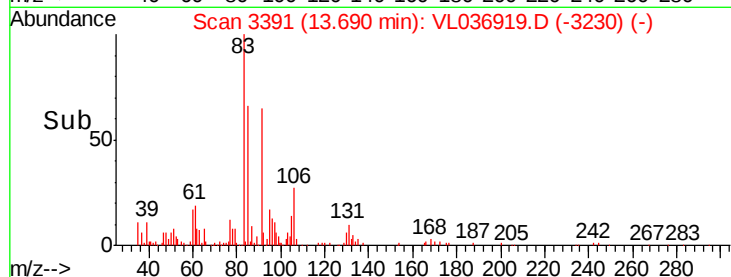
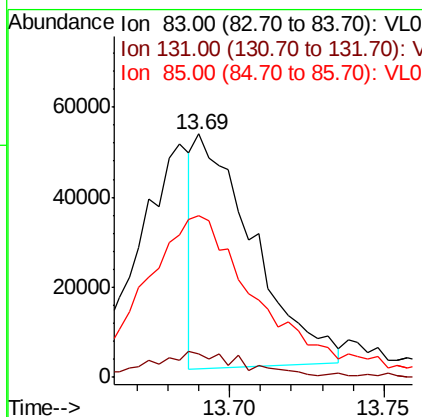
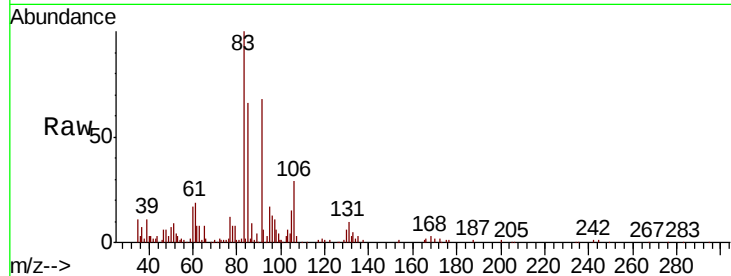




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.299 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

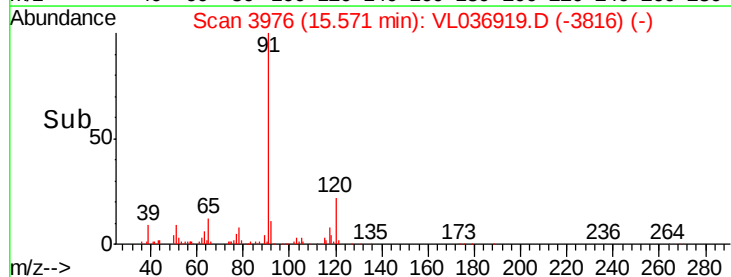
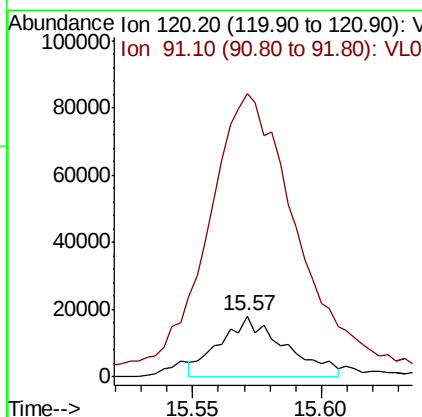
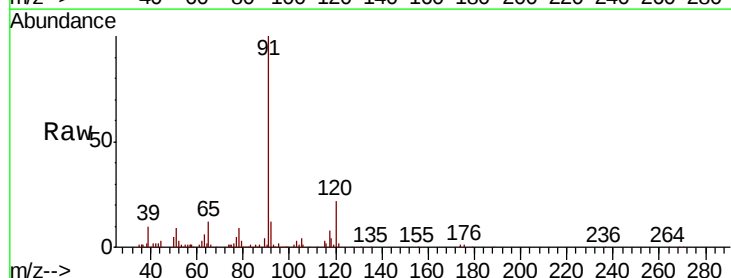
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

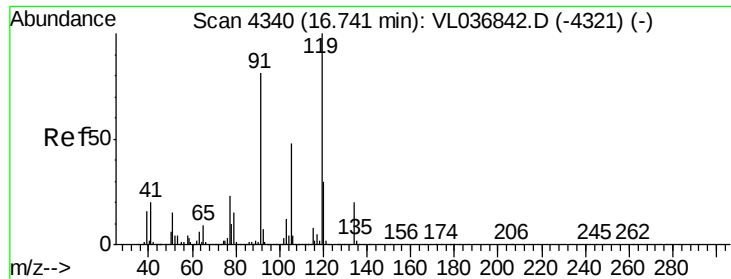
Tot Ion	83	Resp	68254
Ion Ratio	Lower	Upper	
83	100		
131	19.6	4.8	14.3#
85	150.2	32.8	98.4#



#64
 n-propylbenzene
 Concen: 0.318 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	120	Resp	30648
Ion Ratio	Lower	Upper	
120	100		
91	701.2	378.6	567.8#





#65

tert-Butylbenzene

Concen: 0.207 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

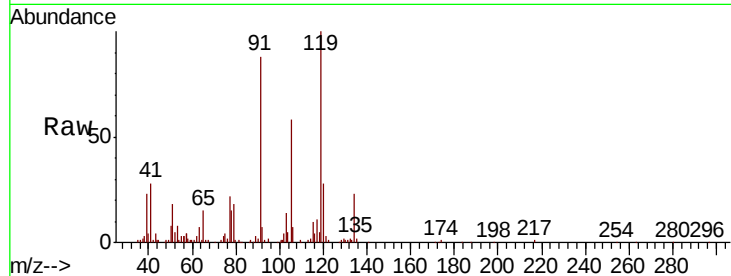
Tot Ion:119 Resp: 70727

Ion Ratio Lower Upper

119 100

91 201.5 67.0 100.6#

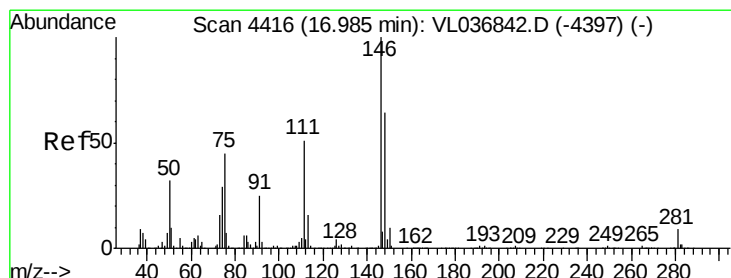
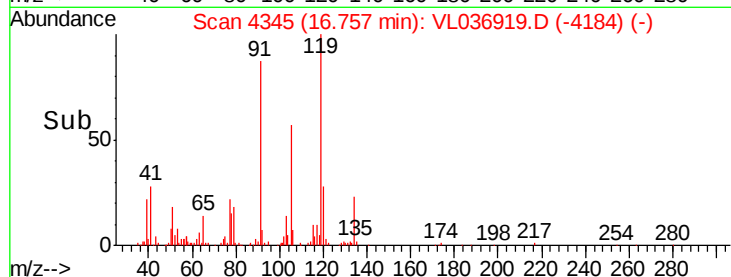
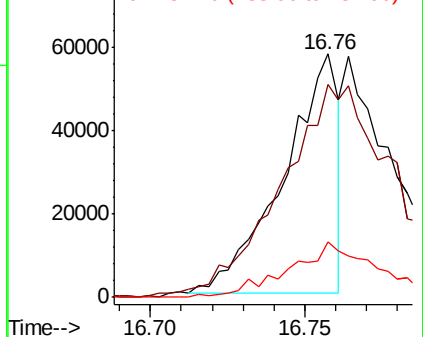
134 38.8 15.8 23.6#



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: 0.342 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

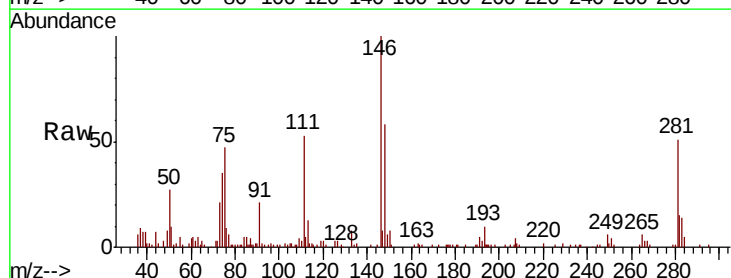
Tgt Ion: 91 Resp: 11456

Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

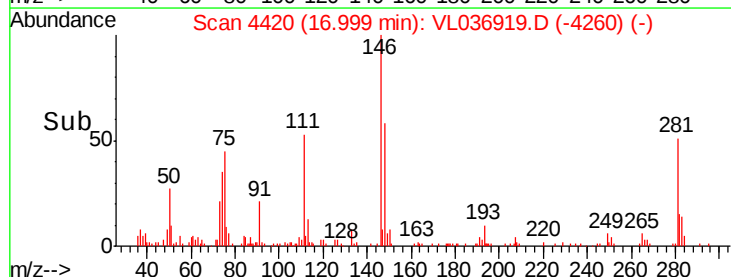
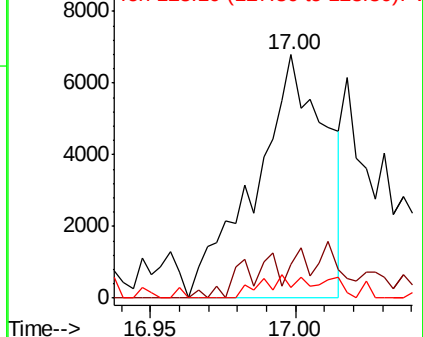
128 9.7 4.8 7.2#

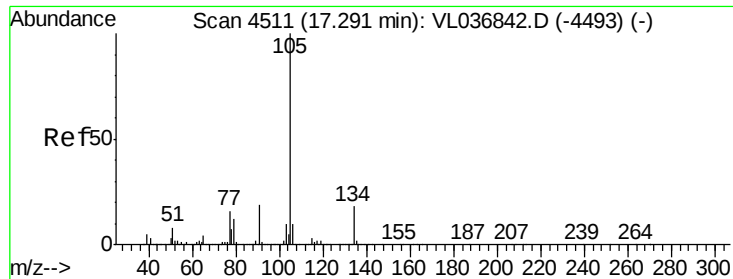


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.432 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

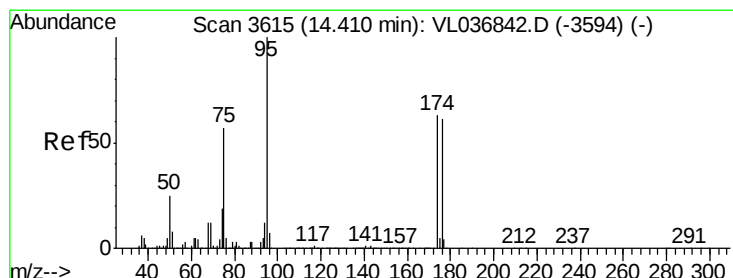
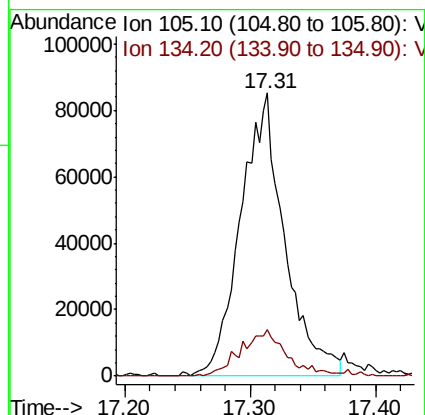
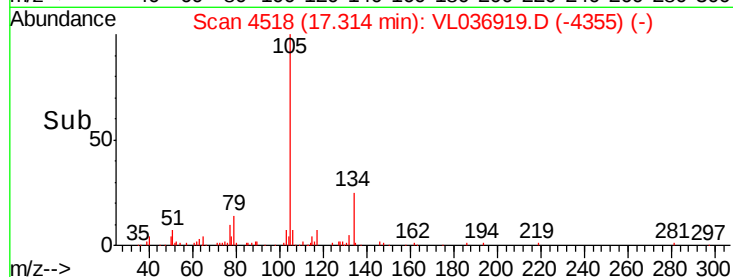
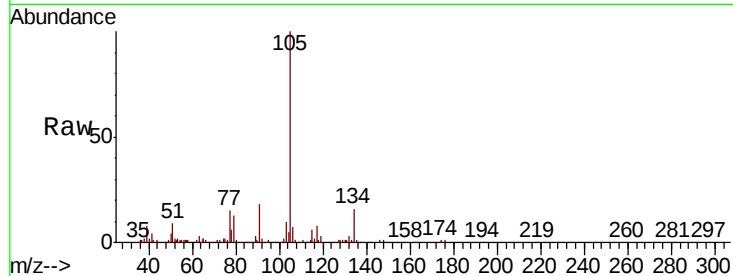
MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 205533

Ion Ratio Lower Upper

105 100

134 17.2 14.8 22.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.428 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

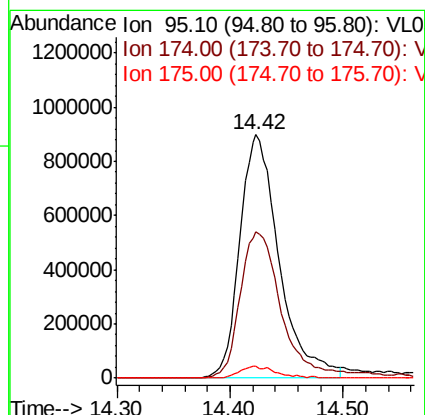
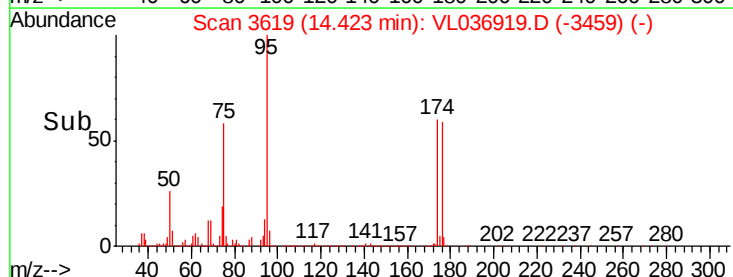
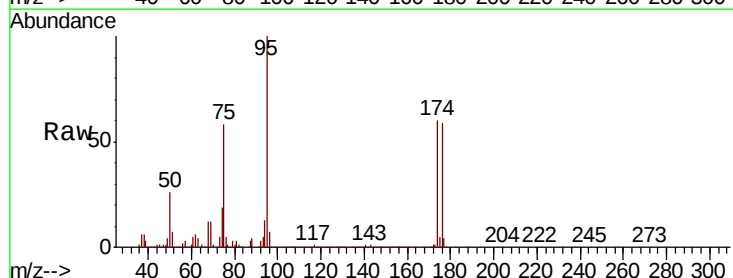
Tgt Ion: 95 Resp: 2173554

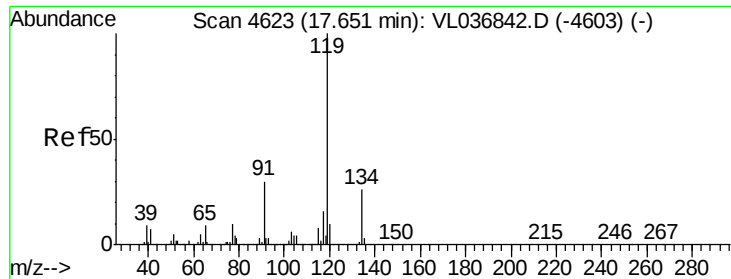
Ion Ratio Lower Upper

95 100

174 66.8 52.2 78.2

175 4.9 4.0 6.0

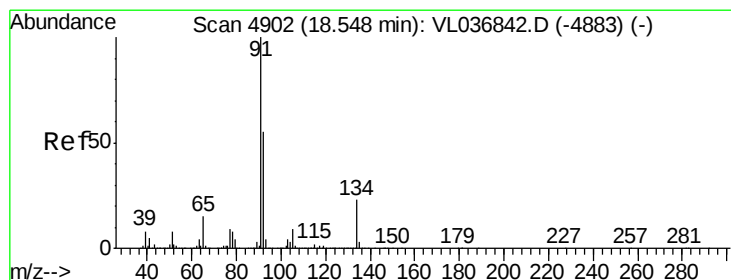
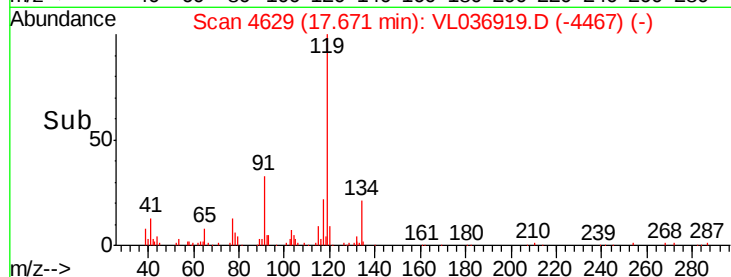
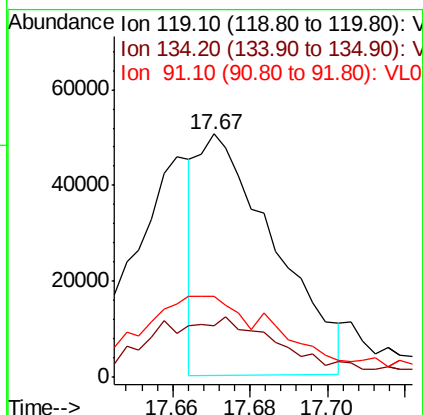
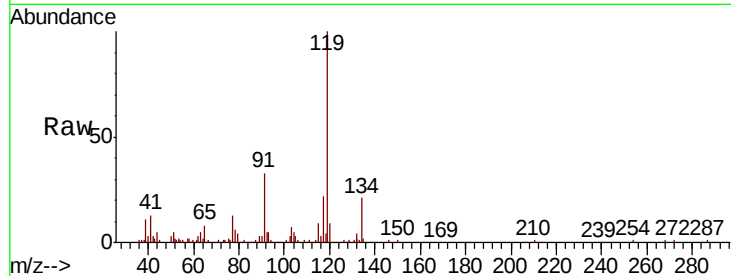




#69
 p-Isopropyltoluene
 Concen: 0.181 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

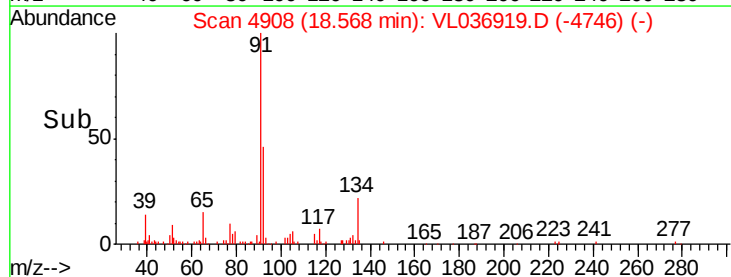
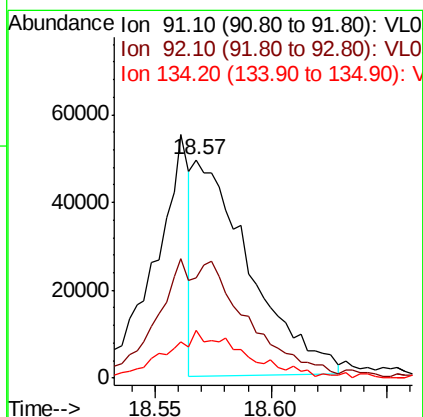
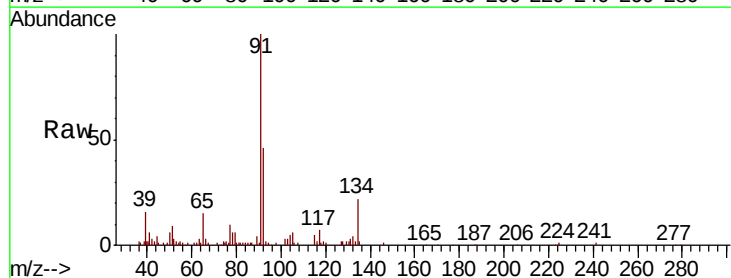
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

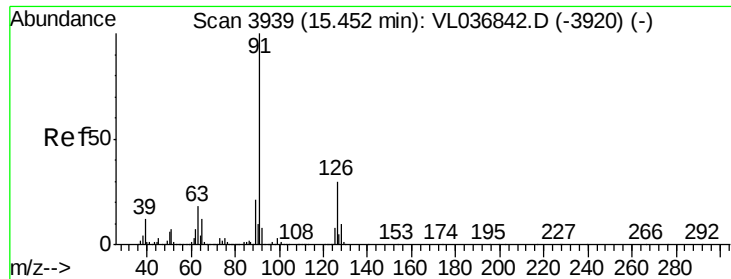
Tot Ion	Ratio	Lower	Upper
119	100		
134	50.5	20.6	31.0#
91	75.3	24.2	36.4#



#70
 n-Butylbenzene
 Concen: 0.218 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.02 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.5	65.3#
134	31.9	18.2	27.4#

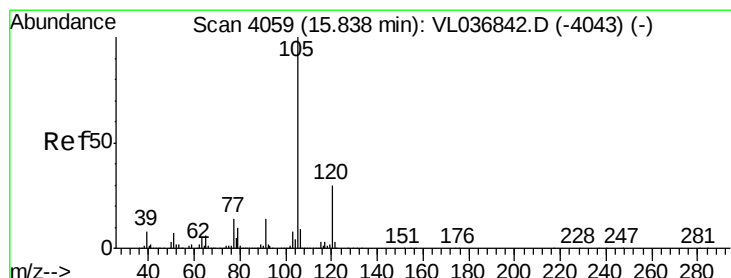
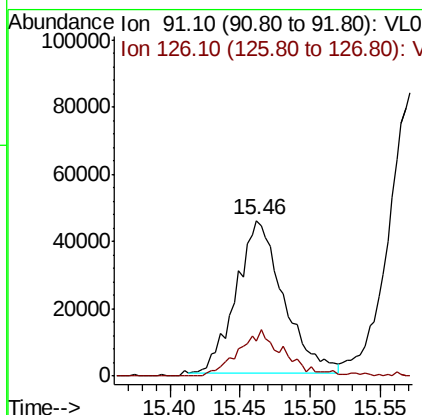
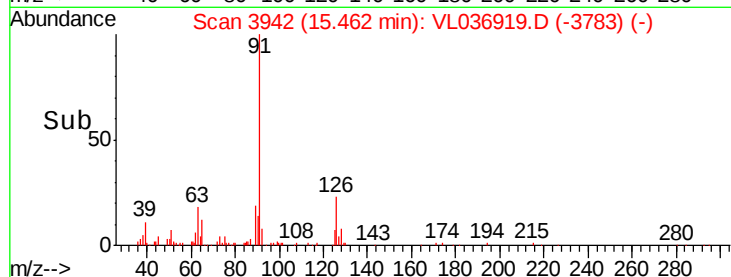
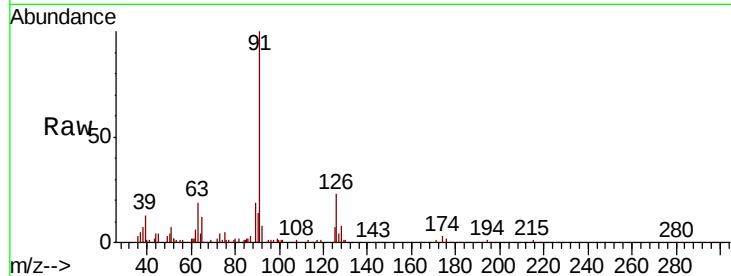




#71
 2-Chlorotoluene
 Concen: 0.374 ppbv
 RT: 15.46 min Scan# 3942
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

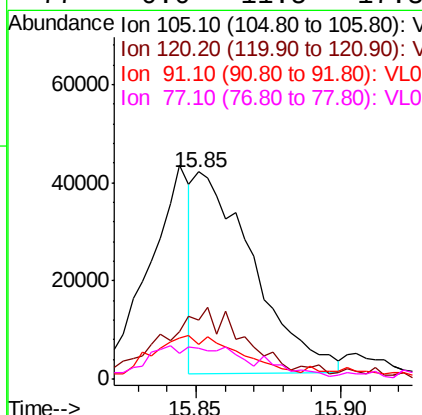
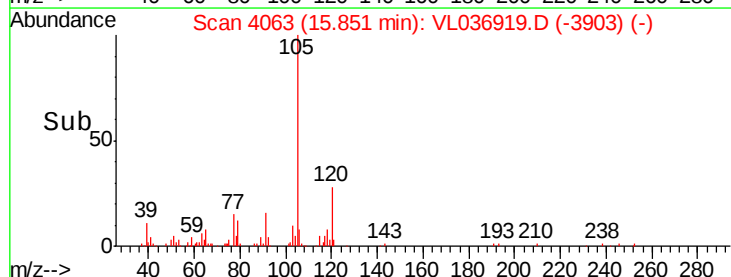
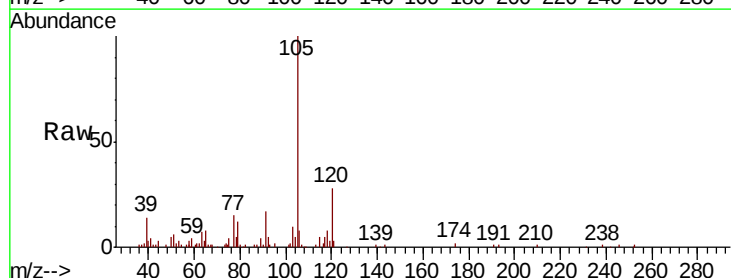
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

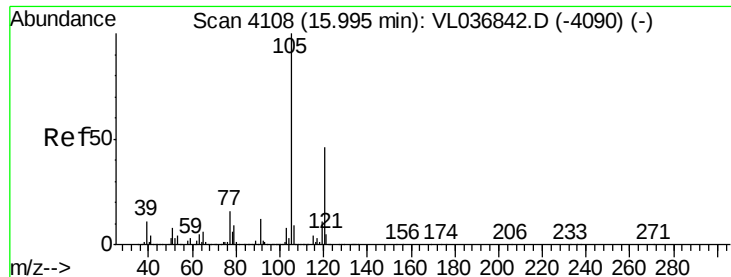
Tot Ion: 91 Resp: 107218
 Ion Ratio Lower Upper
 91 100
 126 29.7 12.3 49.3



#72
 4-Ethyltoluene
 Concen: 0.190 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. 0.01 min
 Lab File: VL036919.D
 Acq: 7 May 2021 14:53

Tgt Ion:105 Resp: 57991
 Ion Ratio Lower Upper
 105 100
 120 57.9 23.8 35.6#
 91 42.0 10.7 16.1#
 77 0.0 11.5 17.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.119 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

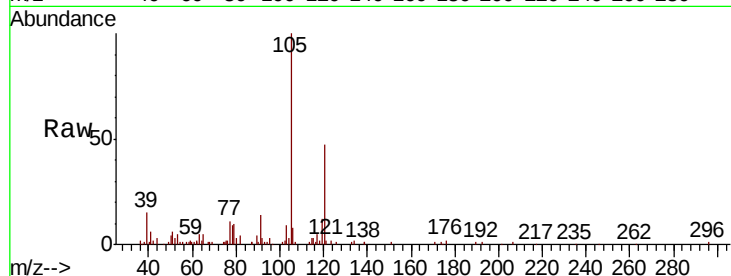
MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 35319

Ion Ratio Lower Upper

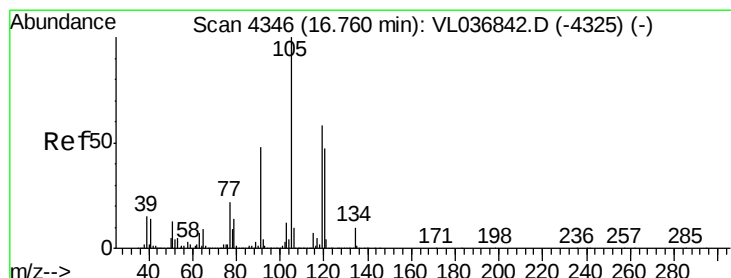
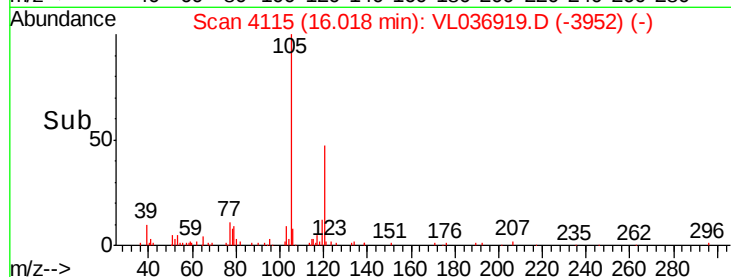
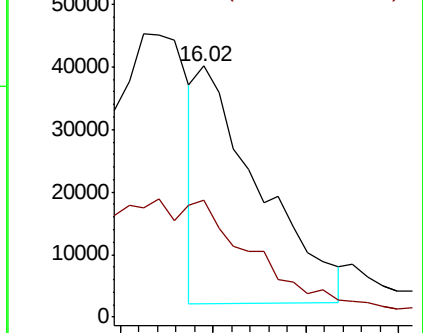
105 100

120 49.7 36.8 55.2



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: 0.411 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Tgt Ion:105 Resp: 129296

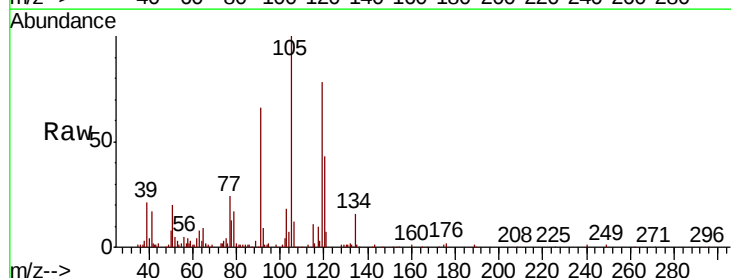
Ion Ratio Lower Upper

105 100

120 41.3 37.6 56.4

91 53.6 39.0 58.4

77 21.8 17.4 26.0

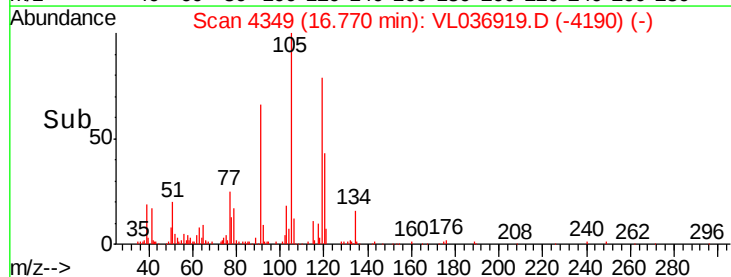
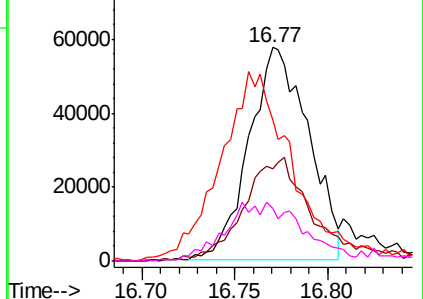


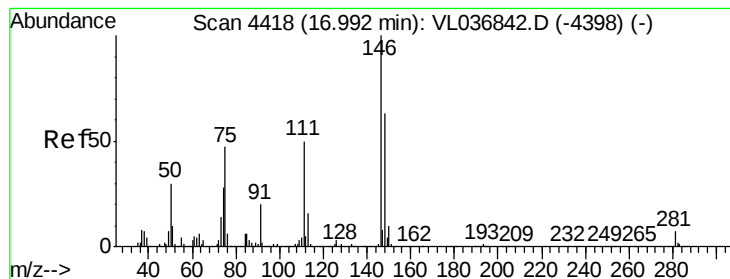
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 0.303 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

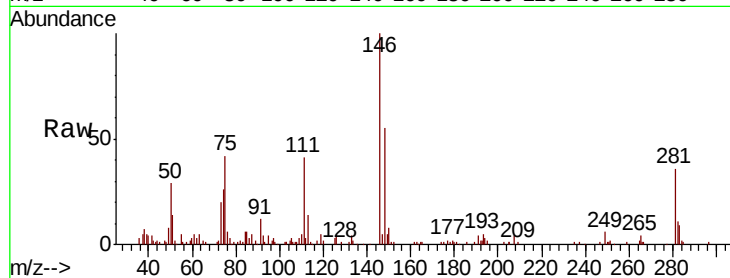
Tot Ion:146 Resp: 56358

Ion Ratio Lower Upper

146 100

111 0.0 24.2 72.6#

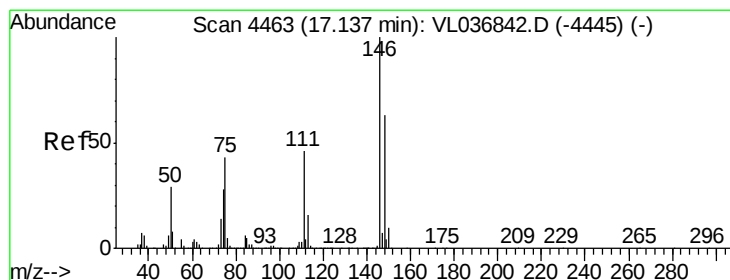
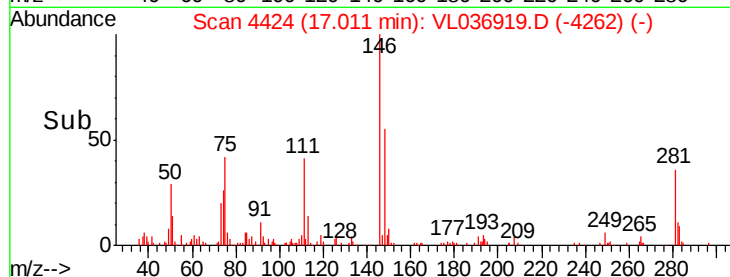
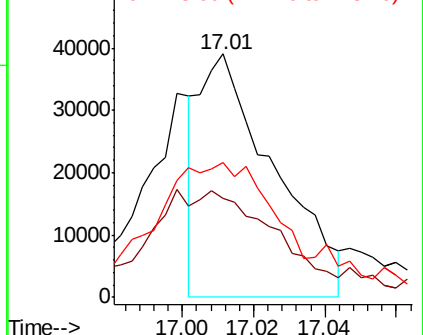
148 112.8 32.1 96.3#



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: 0.051 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

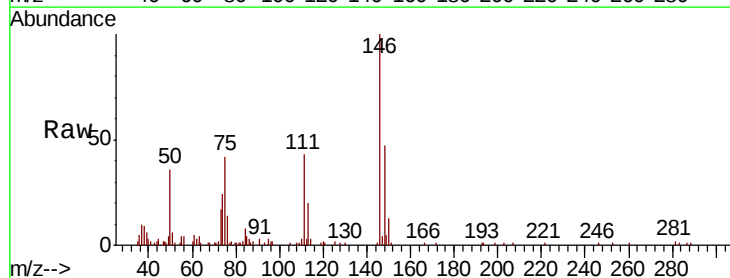
Tgt Ion:146 Resp: 9285

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

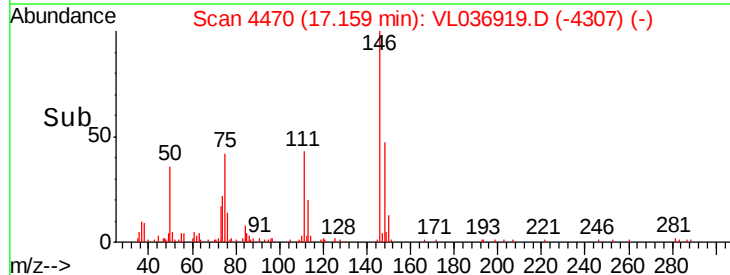
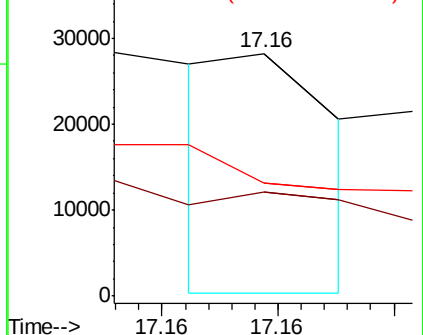
148 0.0 32.4 97.0#

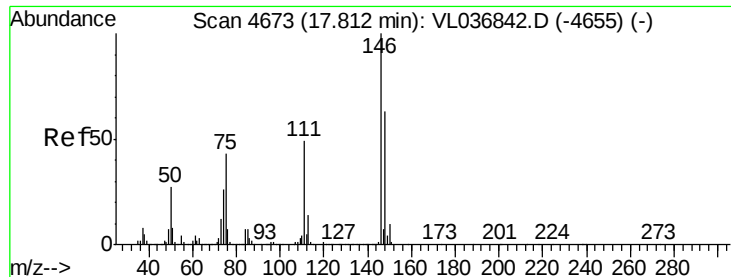


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.420 ppbv

RT: 17.83 min Scan# 4679

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

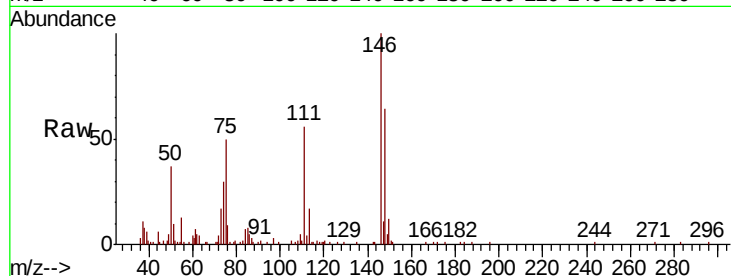
Tot Ion:146 Resp: 76265

Ion Ratio Lower Upper

146 100

111 62.4 25.0 75.0

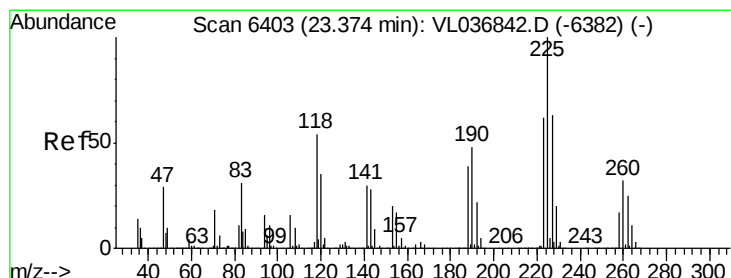
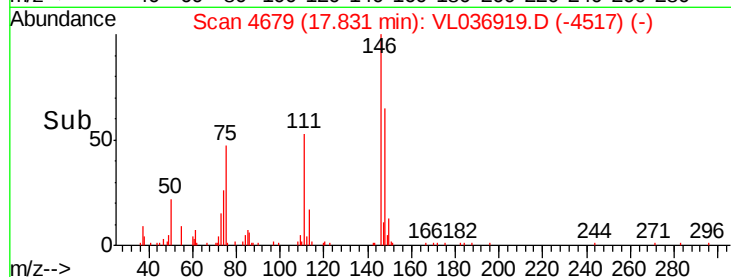
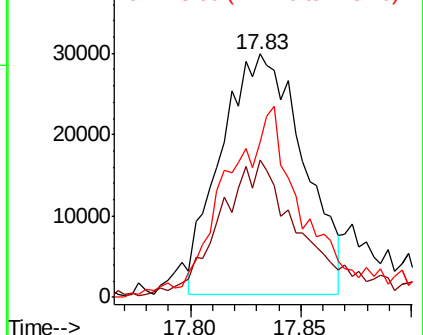
148 82.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.215 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

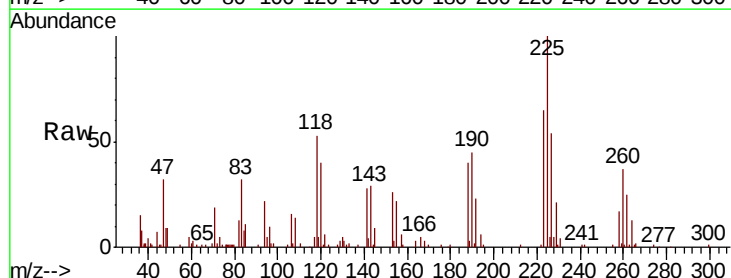
Tgt Ion:225 Resp: 33168

Ion Ratio Lower Upper

225 100

223 0.0 51.2 76.8#

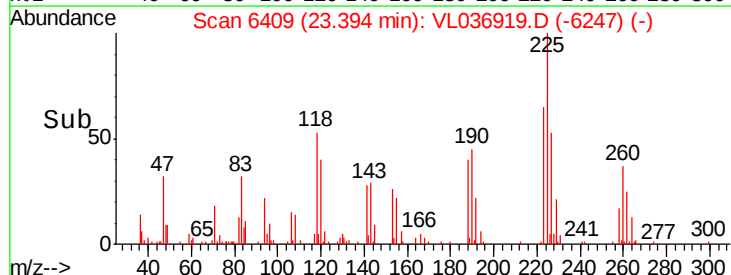
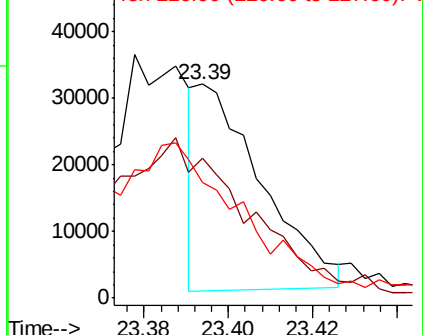
227 0.0 51.8 77.6#

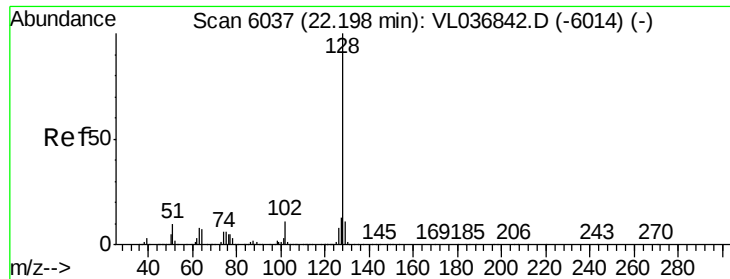


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.083 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. 0.03 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

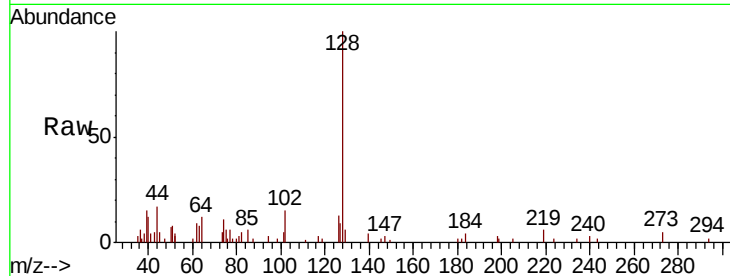
Tot Ion:128 Resp: 14652

Ion Ratio Lower Upper

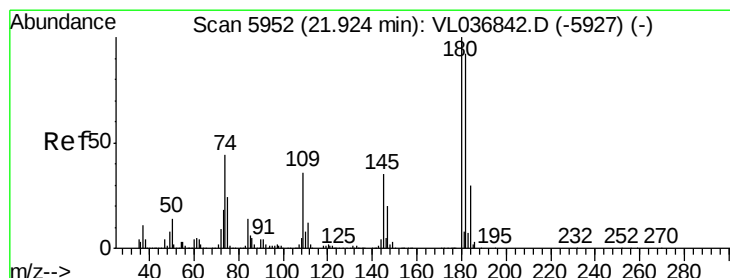
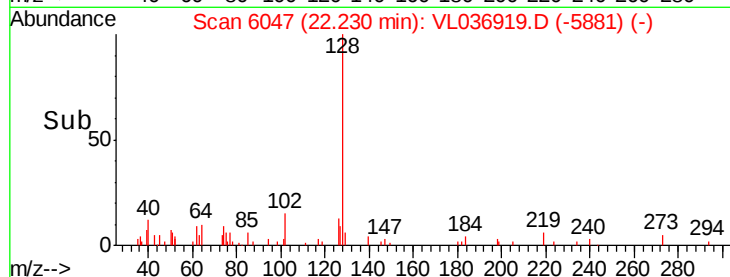
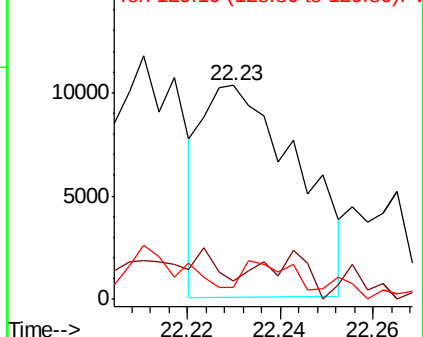
128 100

127 3.0 10.6 15.8#

129 0.0 9.0 13.4#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#81

1,2,4-Trichlorobenzene

Concen: 0.082 ppbv

RT: 21.94 min Scan# 5958

Delta R.T. 0.02 min

Lab File: VL036919.D

Acq: 7 May 2021 14:53

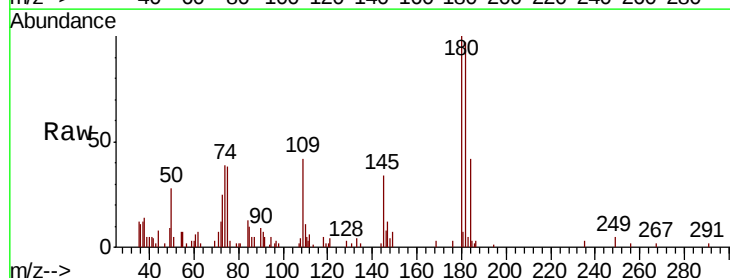
Tgt Ion:180 Resp: 9302

Ion Ratio Lower Upper

180 100

182 369.5 80.9 121.3#

184 139.9 25.3 37.9#



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

