

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052521\
 Data File : VL037059.D
 Acq On : 25 May 2021 14:00
 Operator : SY/AP
 Sample : M2262-15 0.40
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: May 26 01:11:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1103221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3371769	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3057060	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2208302	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	106516	0.569	ppbv	97
3) Chlorodifluoromethane	2.97	51	104370	0.516	ppbv	95
4) Chloromethane	3.12	50	36611	0.532	ppbv	100
5) Vinyl Chloride	3.24	62	30128	0.401	ppbv	95
6) Bromomethane	3.45	94	19075	0.482	ppbv	97
7) Chloroethane	3.54	64	6992	0.286	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	89680	0.510	ppbv	92
9) Propene	2.99	41	33853	0.468	ppbv	93
10) Heptane	8.10	43	73576	0.408	ppbv	97
11) Trichlorofluoromethane	3.93	101	87529	0.505	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.46	101	64734	0.525	ppbv	94
13) Ethanol	3.60	45	2615	0.271	ppbv #	35
14) Bromoethene	3.73	108	20733	0.381	ppbv #	75
15) Acetone	3.86	43	60080	0.532	ppbv #	65
16) 1,3-Butadiene	3.31	39	16542	0.236	ppbv #	21
18) 1,1-Dichloroethene	4.27	96	12829	0.225	ppbv	88
19) Isopropyl Alcohol	3.97	45	10262	0.169	ppbv #	30
20) Methylene Chloride	4.33	84	41104	0.679	ppbv	94
21) Allvl Chloride	4.39	41	37470	0.440	ppbv	94
22) trans-1,2-Dichloroethene	4.87	96	15293	0.280	ppbv	95
23) Vinyl Acetate	5.07	43	53413	0.298	ppbv #	87
24) 1,1-Dichloroethane	4.99	63	54162	0.420	ppbv #	97
25) Ethyl Acetate	5.67	43	105478	0.388	ppbv #	93
26) Hexane	5.67	57	64779	0.467	ppbv #	90
27) Carbon Disulfide	4.54	76	44187	0.316	ppbv #	90
28) Methyl tert-Butyl Ether	5.03	73	51602	0.310	ppbv #	86
29) Chloroform	5.73	83	85391	0.436	ppbv	99
30) Cyclohexane	7.10	84	20434	0.173	ppbv #	1
31) cis-1,2-Dichloroethene	5.53	61	55189	0.444	ppbv	91
32) 1,1,1-Trichloroethane	6.49	97	83033	0.395	ppbv #	87
34) 2-Butanone	5.25	43	37191	0.303	ppbv #	52
35) Carbon Tetrachloride	7.00	117	45971	0.205	ppbv	97
36) Benzene	6.87	78	114810	0.395	ppbv #	89
37) 1,2-Dichloroethane	6.29	62	65863	0.457	ppbv	98
38) Trichloroethene	7.82	130	53864	0.434	ppbv	93
39) 1,2-Dichloropropane	7.59	63	23581	0.211	ppbv	96
42) Bromodichloromethane	7.77	83	82956	0.381	ppbv #	98
43) Methyl Methacrylate	8.00	69	19110	0.191	ppbv #	6
44) 2,2,4-Trimethylpentane	7.85	57	200194	0.402	ppbv	93
46) cis-1,3-Dichloropropene	8.68	75	13023	0.127	ppbv	92
47) 1,1,2-Trichloroethane	9.45	97	21412	0.183	ppbv #	86

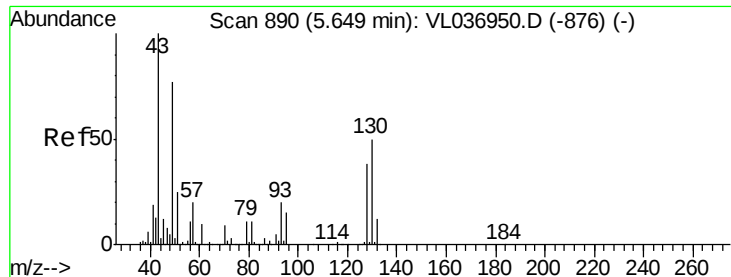
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	10.28	129	55117	0.291	ppbv	87
49) Bromoform	13.01	173	14763	0.094	ppbv #	26
50) 4-Methyl-2-Pentanone	8.75	43	62881	0.310	ppbv #	88
51) 2-Hexanone	10.14	43	14412	0.135	ppbv #	27
52) Tetrachloroethene	11.20	164	29423	0.255	ppbv	98
53) Toluene	9.78	91	129425	0.375	ppbv	98
54) 1,2-Dibromoethane	10.58	107	26251	0.158	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	53345	0.415	ppbv #	1
57) Chlorobenzene	12.12	112	64251	0.271	ppbv #	82
58) Ethyl Benzene	12.68	91	71342	0.165	ppbv	92
59) m/p-Xylene	12.98	91	121292	0.340	ppbv #	30
60) o-Xylene	13.67	91	97372	0.286	ppbv #	64
61) Styrene	13.51	104	61370	0.320	ppbv #	86
62) Isopropylbenzene	14.64	105	204811	0.419	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	43272	0.170	ppbv #	25
64) n-propylbenzene	15.54	120	46319	0.367	ppbv #	55
65) tert-Butylbenzene	16.73	119	196044	0.444	ppbv	97
66) Benzyl Chloride	16.96	91	949	0.039	ppbv #	1
67) sec-Butylbenzene	17.28	105	246468	0.410	ppbv	98
69) p-Isopropyltoluene	17.63	119	70471	0.136	ppbv #	13
70) n-Butylbenzene	18.54	91	96719	0.197	ppbv #	45
71) 2-Chlorotoluene	15.43	91	70294	0.199	ppbv #	42
72) 4-Ethyltoluene	15.82	105	153854	0.381	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.98	105	139137	0.367	ppbv	93
74) 1,2,4-Trimethylbenzene	16.74	105	102263	0.261	ppbv #	81
75) 1,3-Dichlorobenzene	16.98	146	52882	0.221	ppbv #	24
76) 1,4-Dichlorobenzene	17.12	146	55782	0.230	ppbv #	29
77) 1,2-Dichlorobenzene	17.81	146	52923	0.221	ppbv #	18
78) Hexachloro-1,3-Butadiene	23.35	225	39565	0.205	ppbv #	1
79) Naphthalene	22.18	128	39229	0.128	ppbv #	96
81) 1,2,4-Trichlorobenzene	21.91	180	23011	0.123	ppbv #	9

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037059.D

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Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

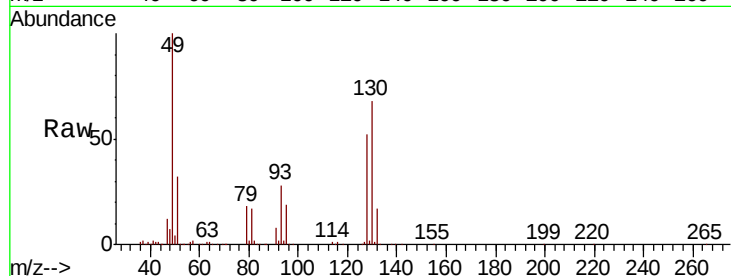
Tot Ion: 49 Resp: 1103221

Ion Ratio Lower Upper

49 100

128 58.1 26.9 80.7

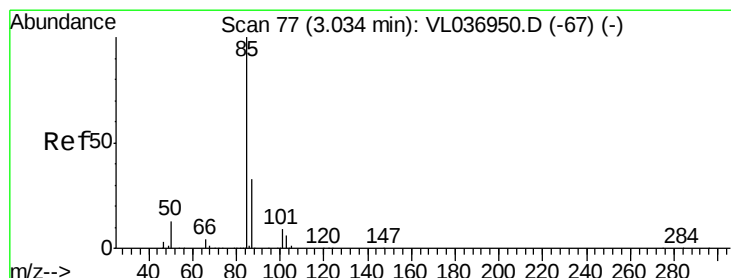
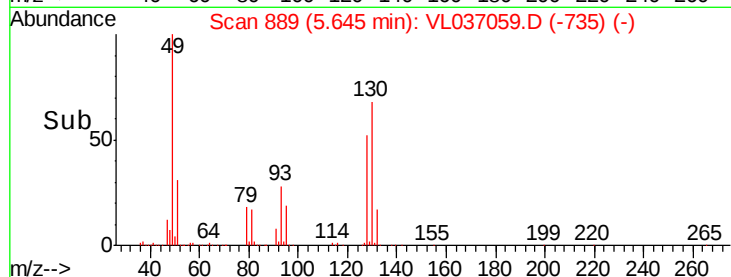
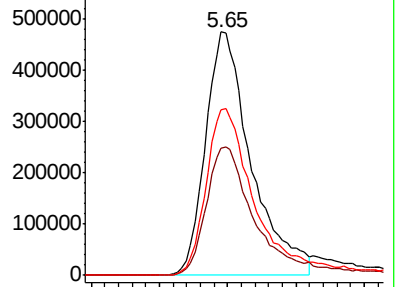
130 76.3 33.8 101.4



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: 0.569 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL037059.D

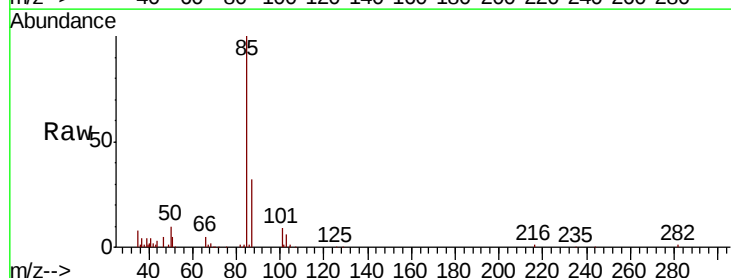
Acq: 25 May 2021 14:00

Tgt Ion: 85 Resp: 106516

Ion Ratio Lower Upper

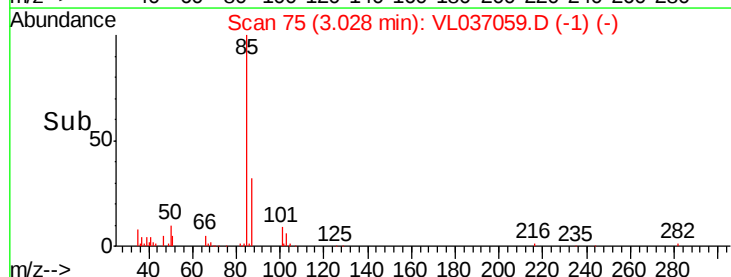
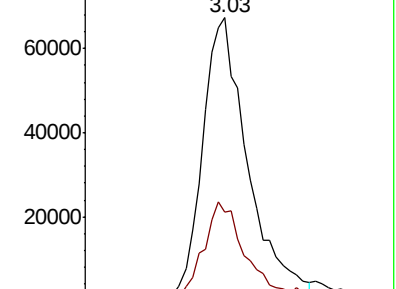
85 100

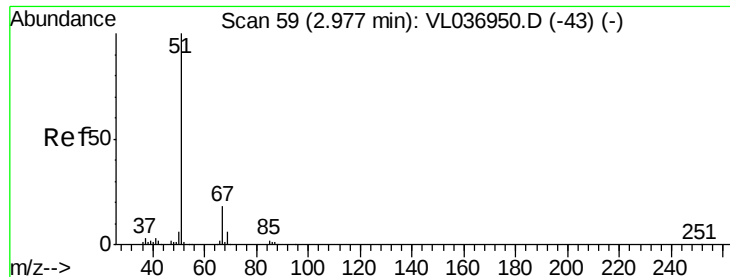
87 31.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.516 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

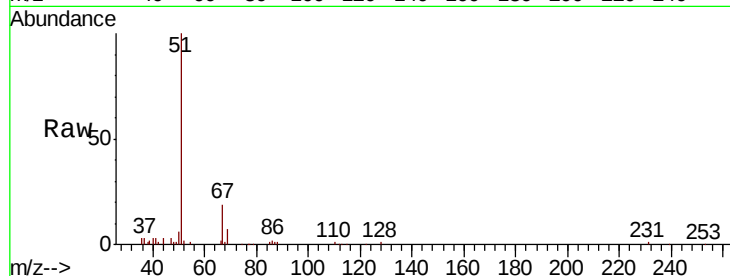
MDL-AIR-03-QT2-2021

Tot Ion: 51 Resp: 104370

Ion Ratio Lower Upper

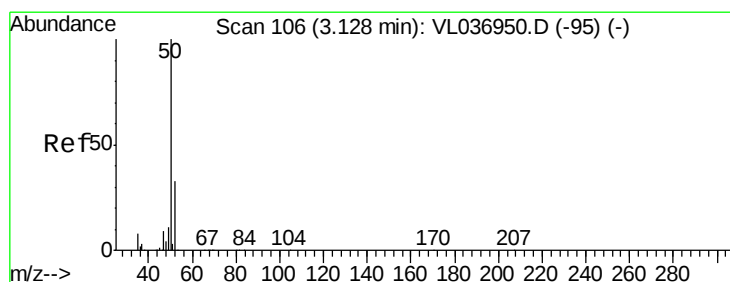
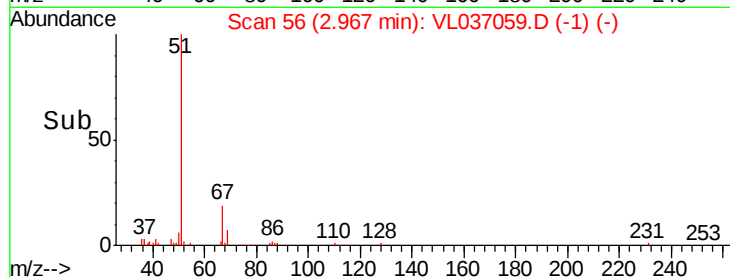
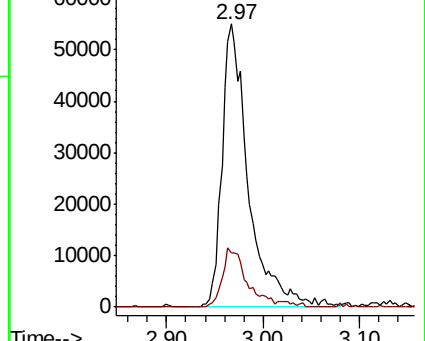
51 100

67 20.4 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.532 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037059.D

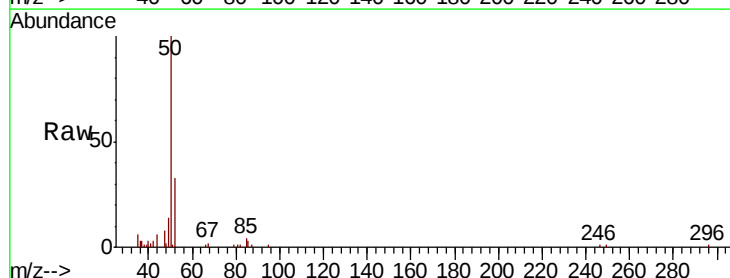
Acq: 25 May 2021 14:00

Tgt Ion: 50 Resp: 36611

Ion Ratio Lower Upper

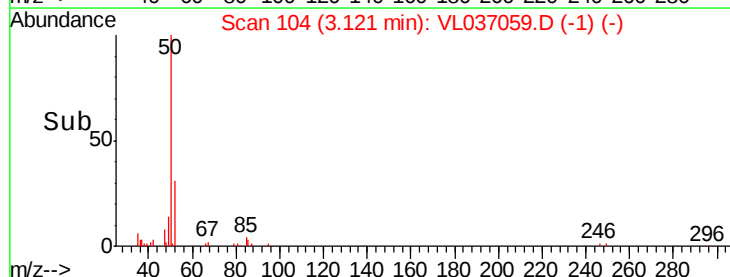
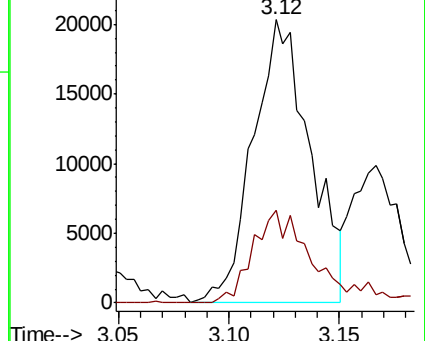
50 100

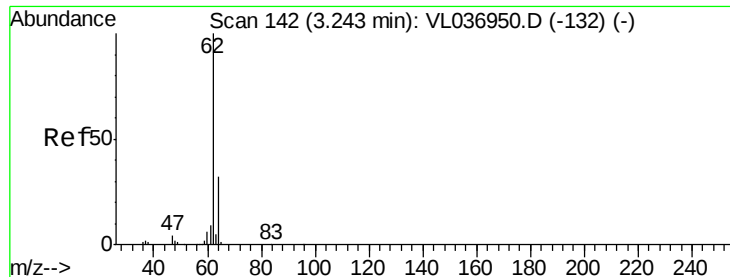
52 32.6 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.401 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

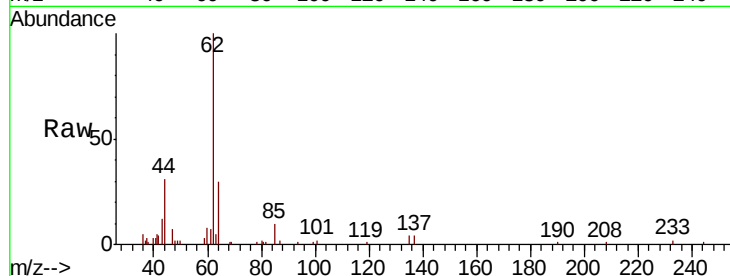
MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 30128

Ion Ratio Lower Upper

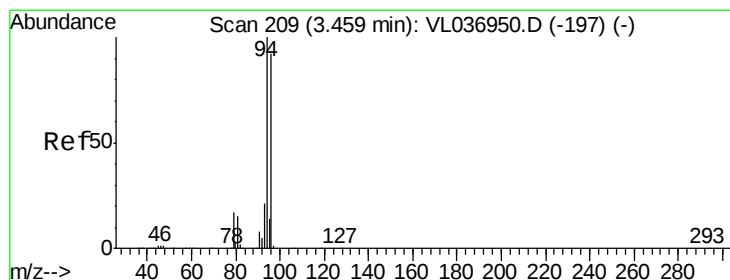
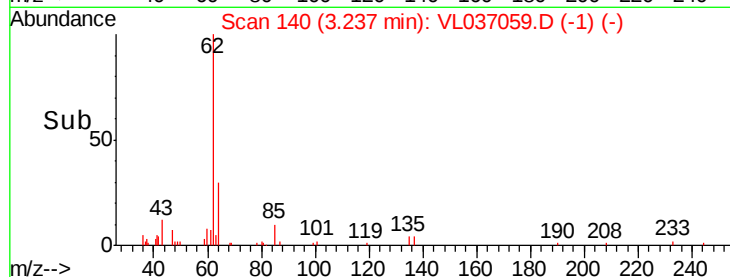
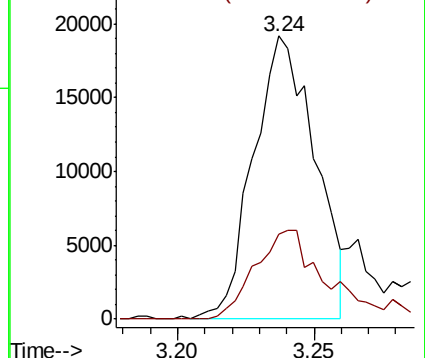
62 100

64 29.8 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.482 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL037059.D

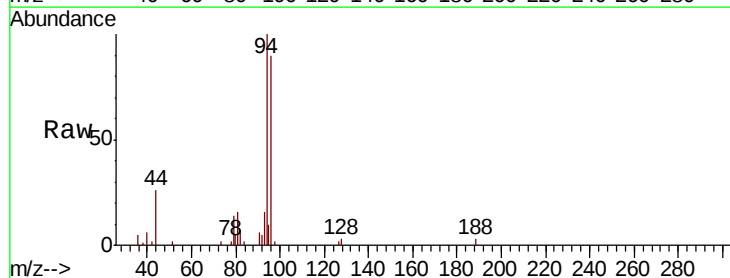
Acq: 25 May 2021 14:00

Tgt Ion: 94 Resp: 19075

Ion Ratio Lower Upper

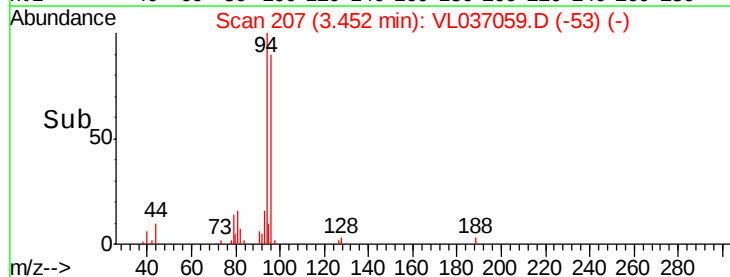
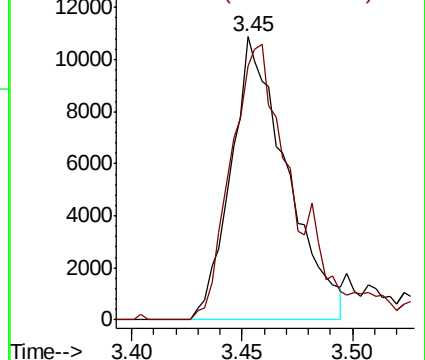
94 100

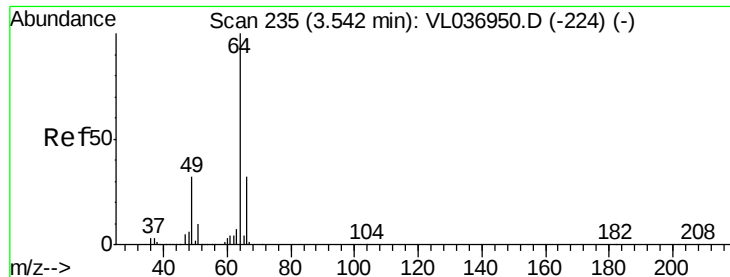
96 89.6 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.286 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

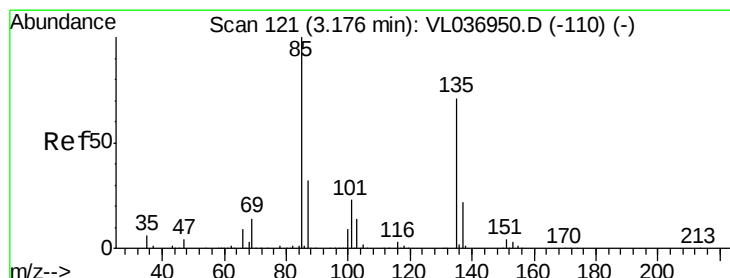
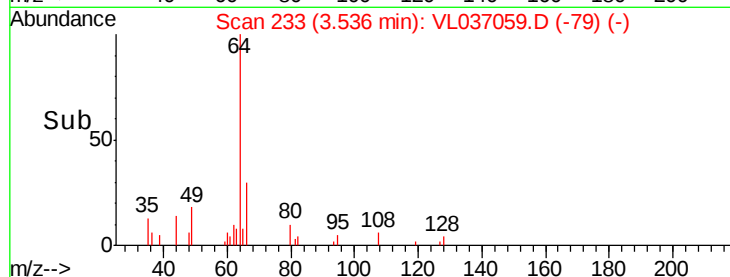
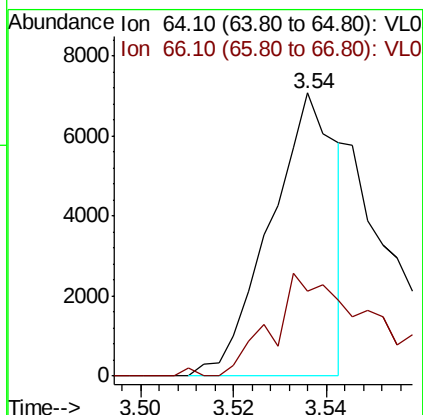
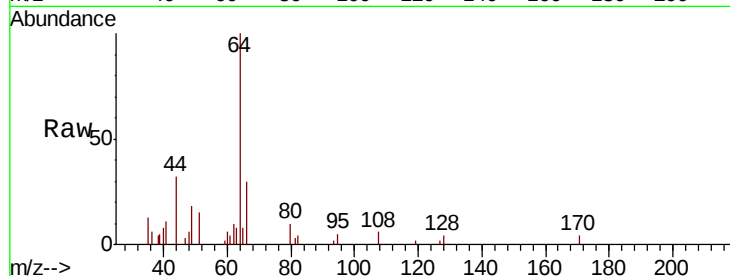
MDL-AIR-03-QT2-2021

Tot Ion: 64 Resp: 6992

Ion Ratio Lower Upper

64 100

66 28.1 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 0.510 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL037059.D

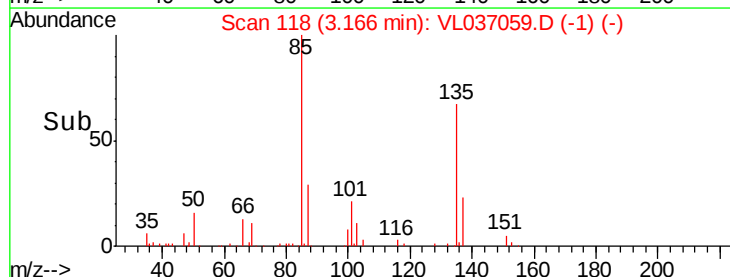
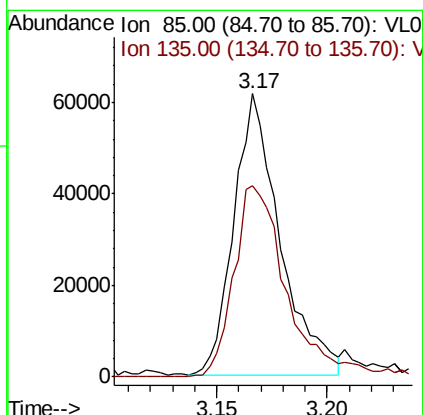
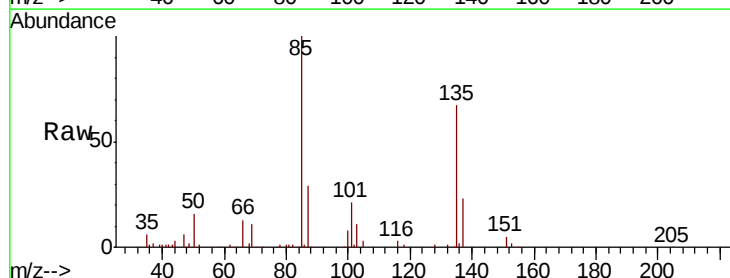
Acq: 25 May 2021 14:00

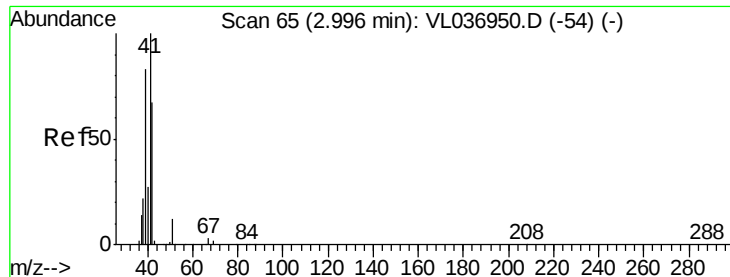
Tgt Ion: 85 Resp: 89680

Ion Ratio Lower Upper

85 100

135 78.8 57.7 86.5





#9

Propene

Concen: 0.468 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037059.D

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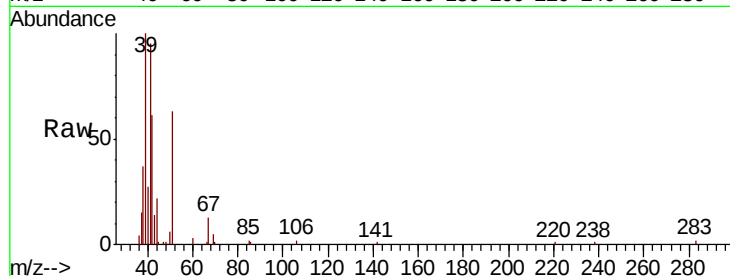
MDL-AIR-03-QT2-2021

Tot Ion: 41 Resp: 33853

Ion Ratio Lower Upper

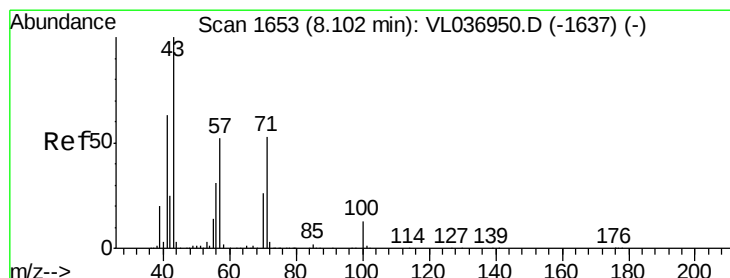
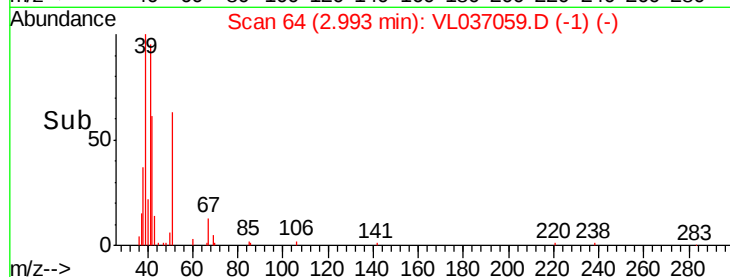
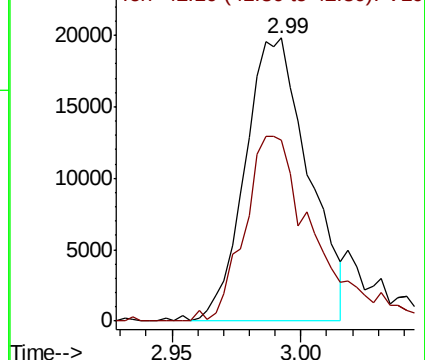
41 100

42 72.7 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.408 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037059.D

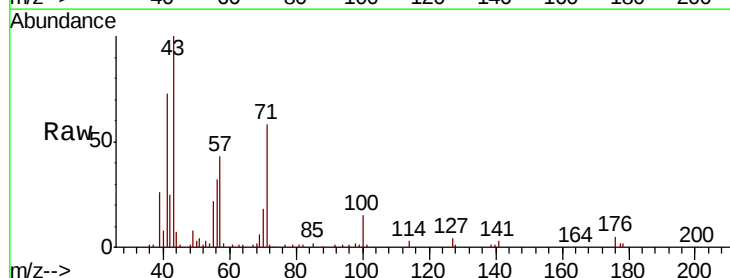
Acq: 25 May 2021 14:00

Tgt Ion: 43 Resp: 73576

Ion Ratio Lower Upper

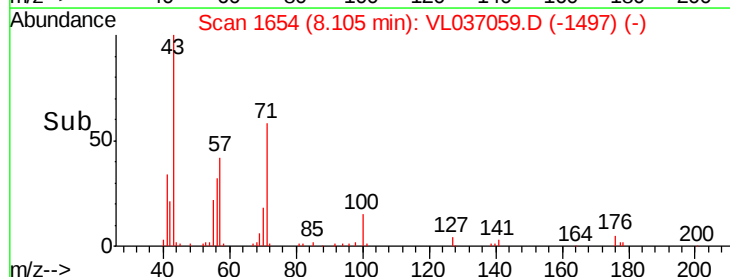
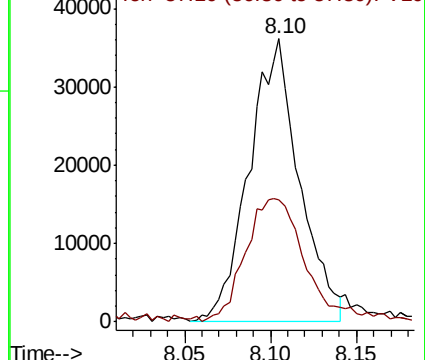
43 100

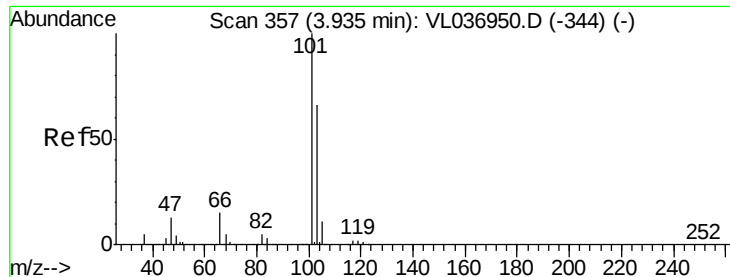
57 53.5 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

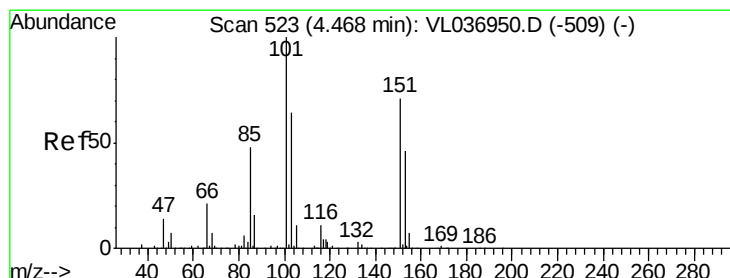
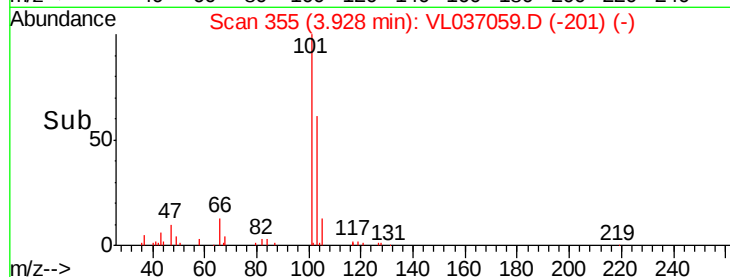
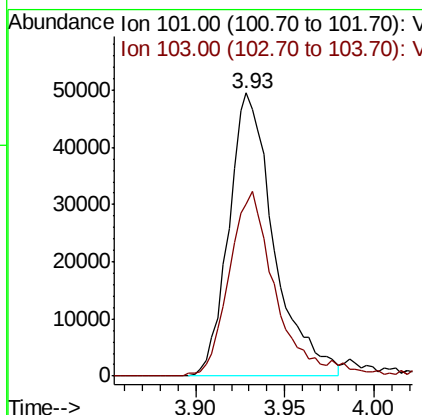
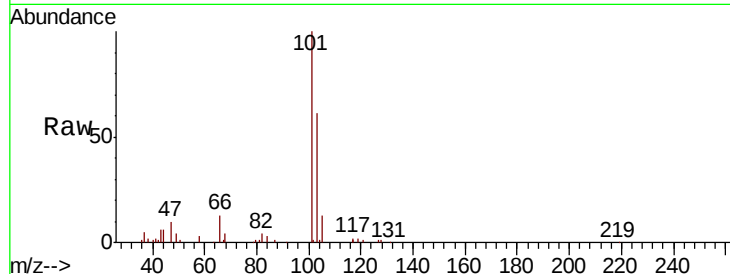




#11
 Trichlorofluoromethane
 Concen: 0.505 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

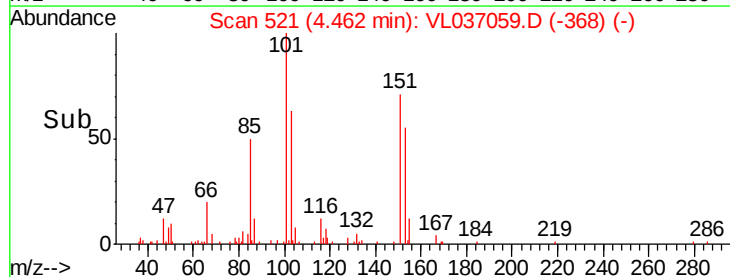
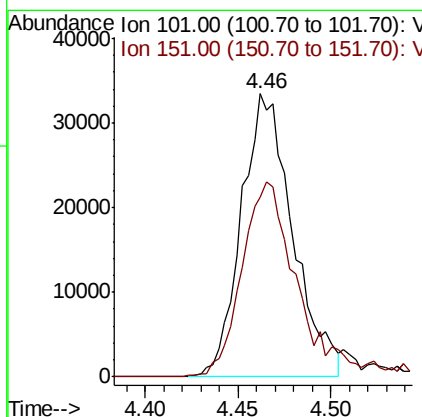
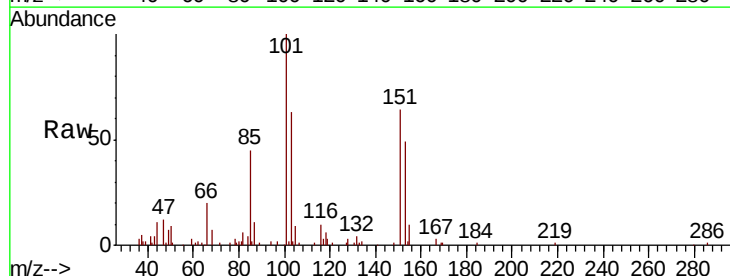
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

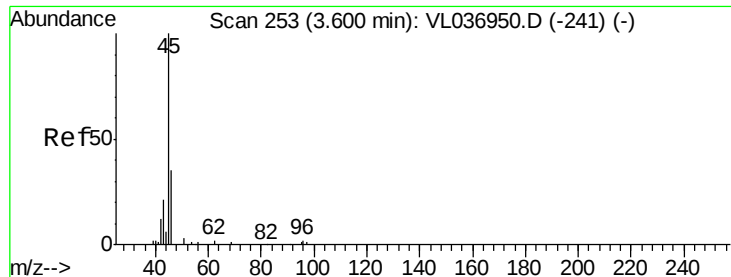
Tot Ion:101 Resp: 87529
 Ion Ratio Lower Upper
 101 100
 103 59.7 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.525 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion:101 Resp: 64734
 Ion Ratio Lower Upper
 101 100
 151 76.8 57.7 86.5





#13

Ethanol

Concen: 0.271 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

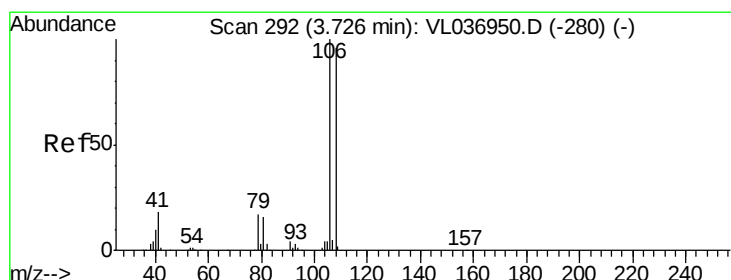
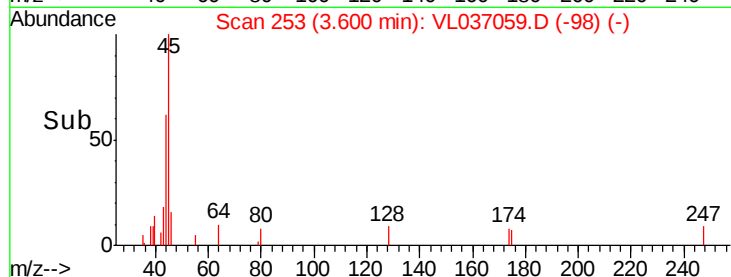
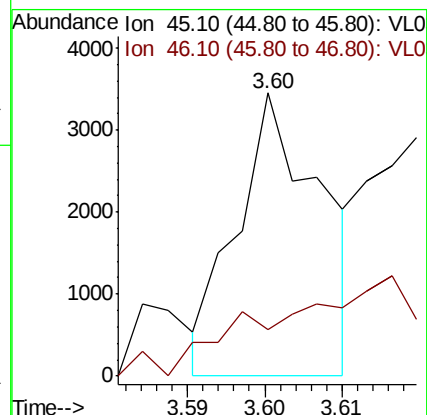
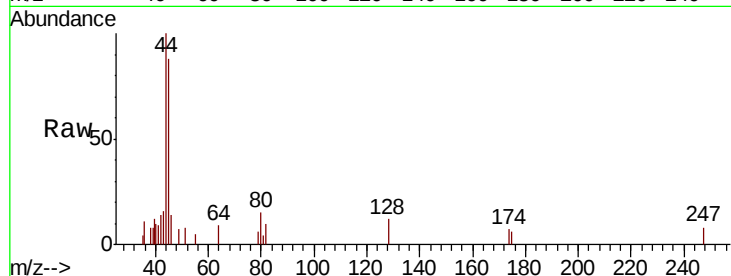
MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 2615

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.3#



#14

Bromoethene

Concen: 0.381 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

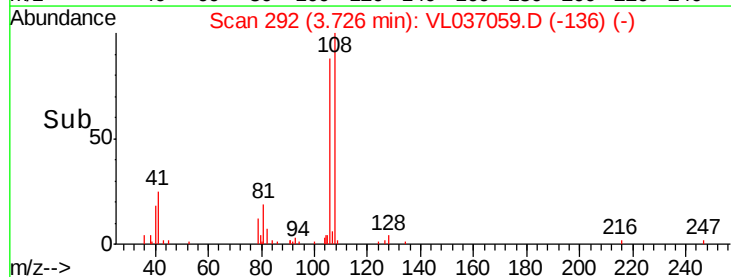
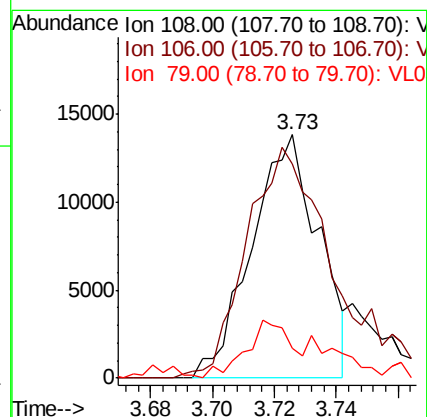
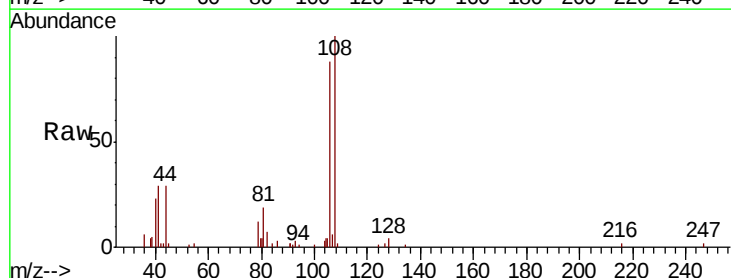
Tgt Ion: 108 Resp: 20733

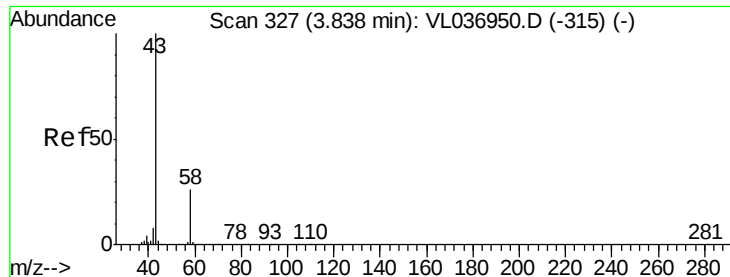
Ion Ratio Lower Upper

108 100

106 134.4 86.5 129.7#

79 28.8 15.0 22.4#





#15

Acetone

Concen: 0.532 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

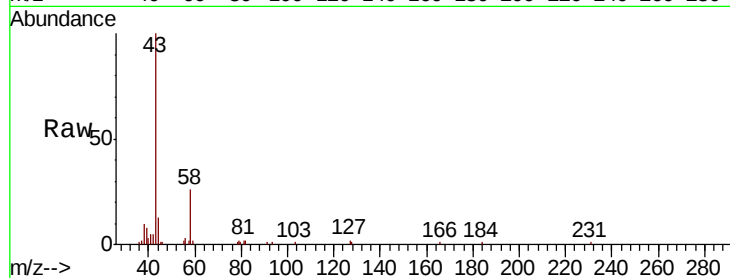
MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 60080

Ion Ratio Lower Upper

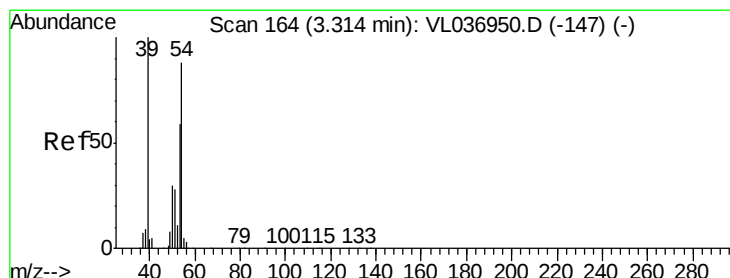
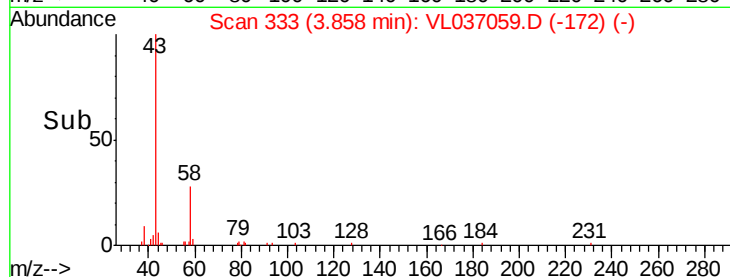
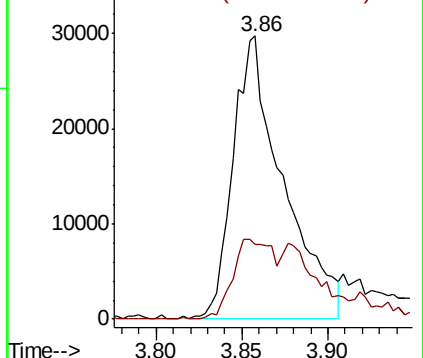
43 100

58 48.9 24.0 36.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.236 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037059.D

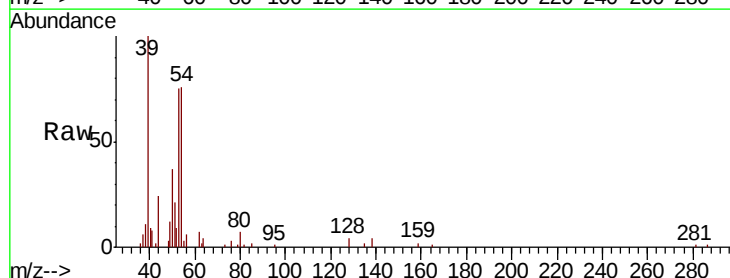
Acq: 25 May 2021 14:00

Tgt Ion: 39 Resp: 16542

Ion Ratio Lower Upper

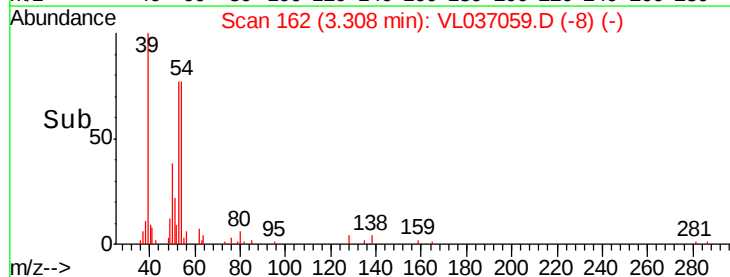
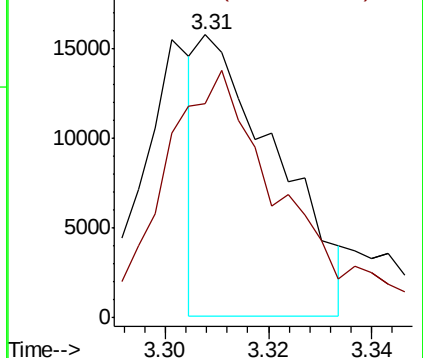
39 100

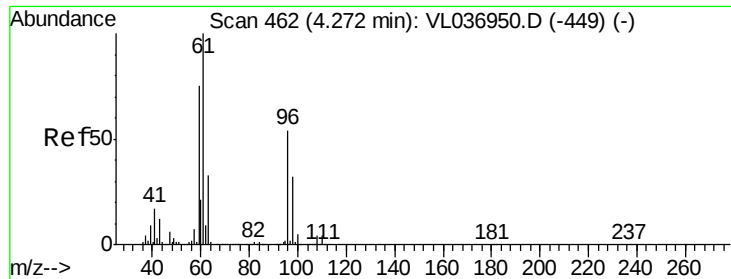
54 148.2 63.2 94.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#18

1,1-Dichloroethene

Concen: 0.225 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

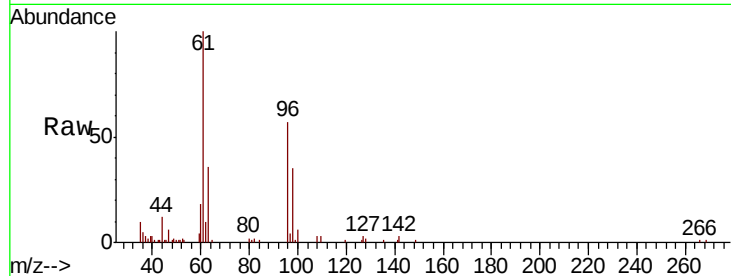
Tot Ion: 96 Resp: 12829

Ion Ratio Lower Upper

96 100

61 166.0 148.2 222.4

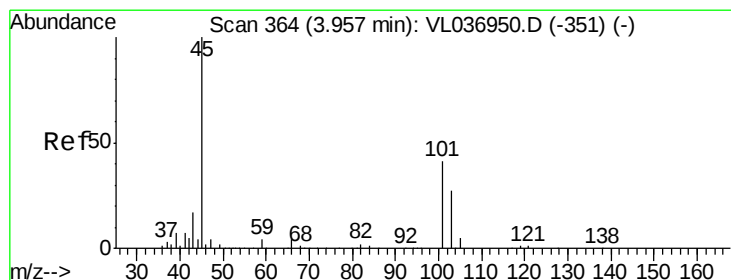
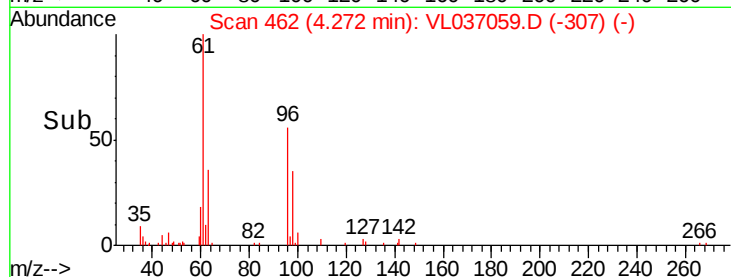
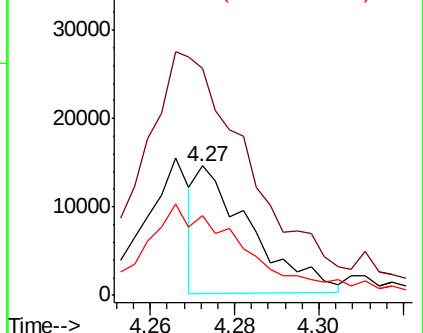
98 53.7 47.8 71.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 0.169 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037059.D

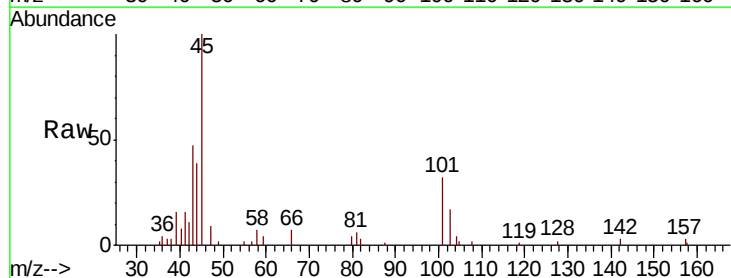
Acq: 25 May 2021 14:00

Tgt Ion: 45 Resp: 10262

Ion Ratio Lower Upper

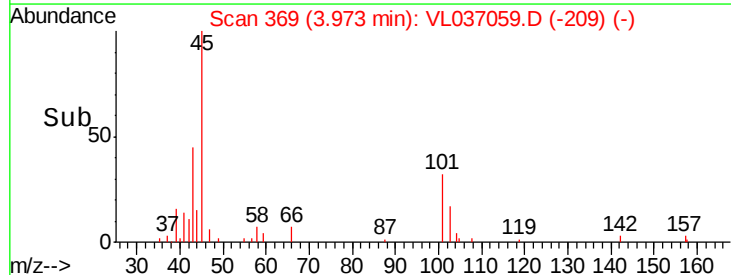
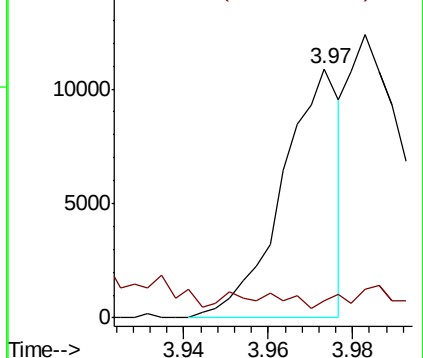
45 100

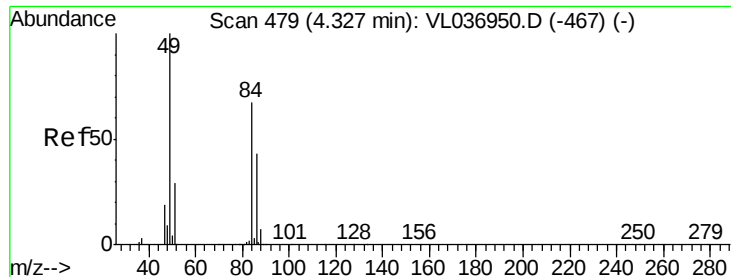
58 0.0 37.2 55.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

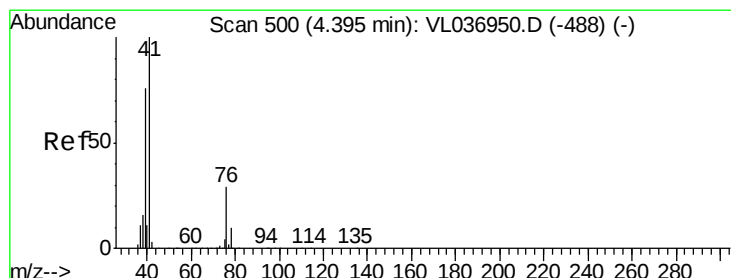
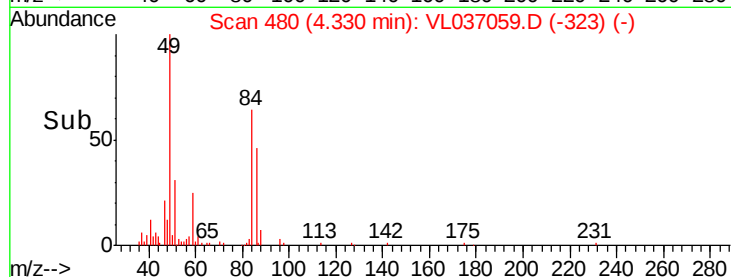
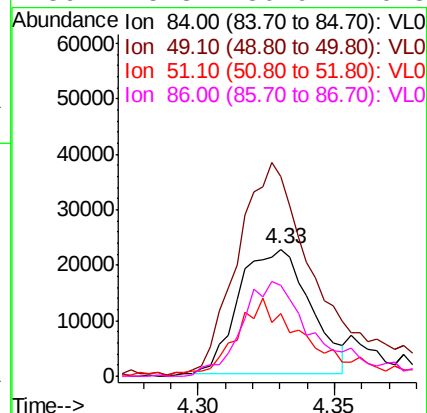
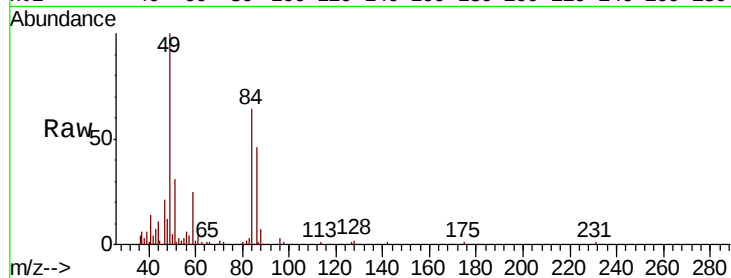




#20
Methvlene Chloride
Concen: 0.679 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

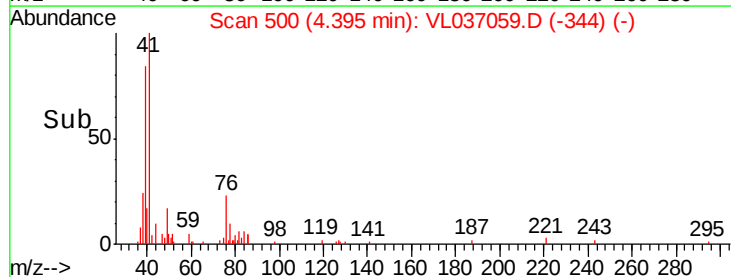
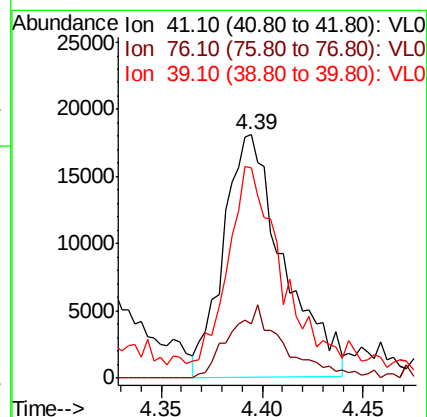
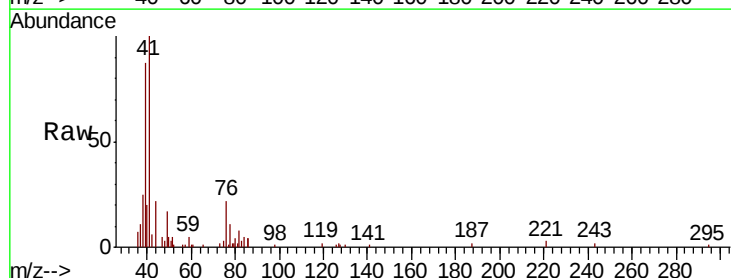
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

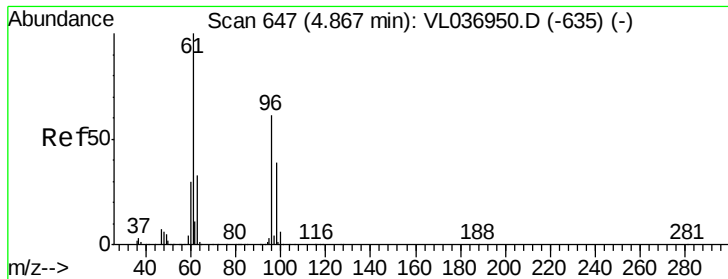
Tot Ion:	84	Resp:	41104
Ion	Ratio	Lower	Upper
84	100		
49	154.5	119.8	179.6
51	46.5	35.1	52.7
86	73.3	50.9	76.3



#21
Allyl Chloride
Concen: 0.440 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion:	41	Resp:	37470
Ion	Ratio	Lower	Upper
41	100		
76	27.5	24.9	37.3
39	84.9	63.7	95.5





#22

trans-1,2-Dichloroethene

Concen: 0.280 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

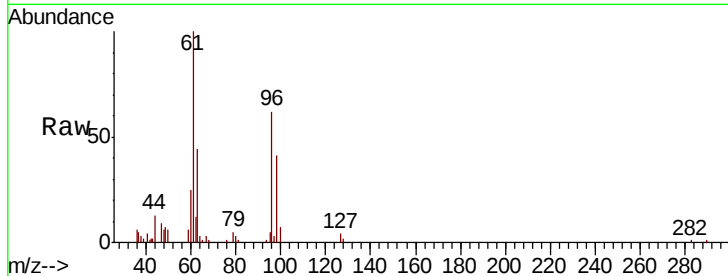
Tot Ion: 96 Resp: 15293

Ion Ratio Lower Upper

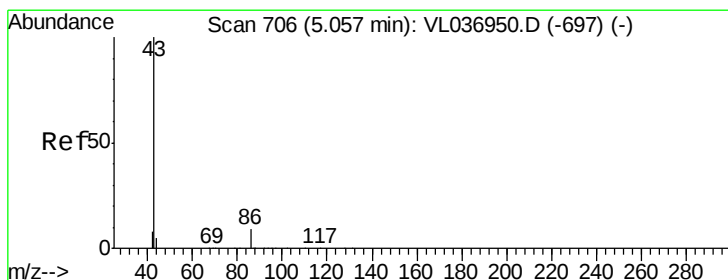
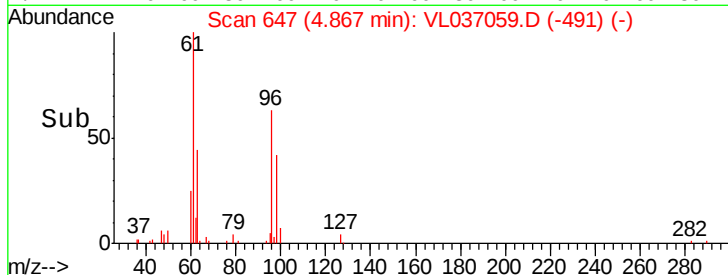
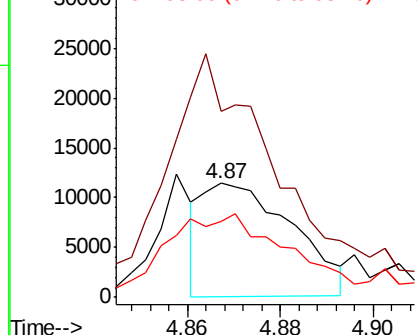
96 100

61 155.1 130.6 196.0

98 62.4 50.8 76.2



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



#23

Vinyl Acetate

Concen: 0.298 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.02 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion: 43 Resp: 53413

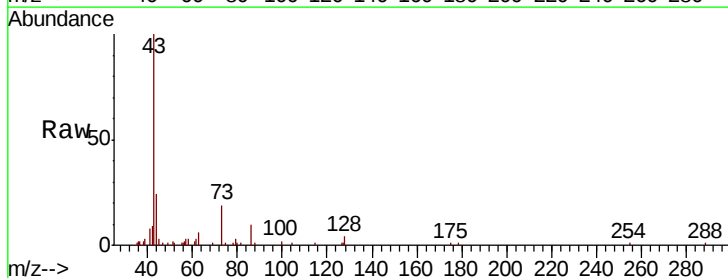
Ion Ratio Lower Upper

43 100

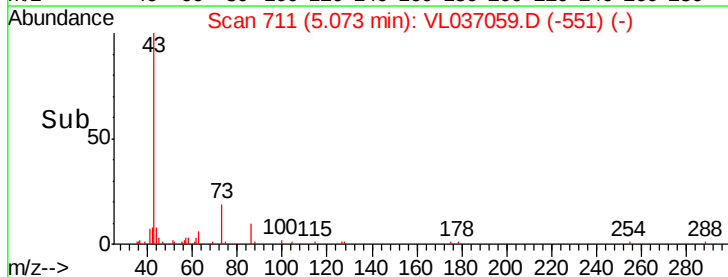
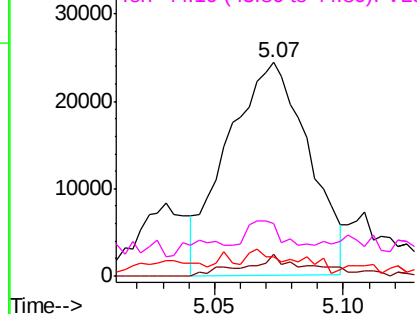
86 13.0 5.8 8.8#

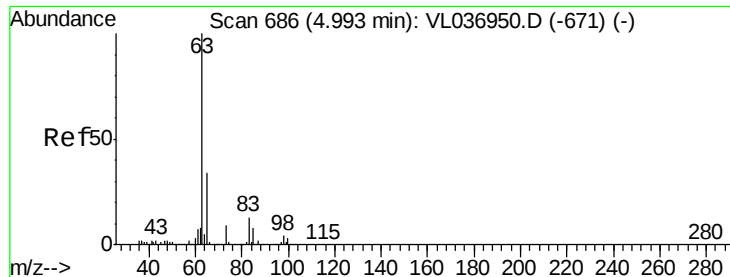
42 7.9 7.4 11.2

44 13.4 3.3 4.9#



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: 0.420 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

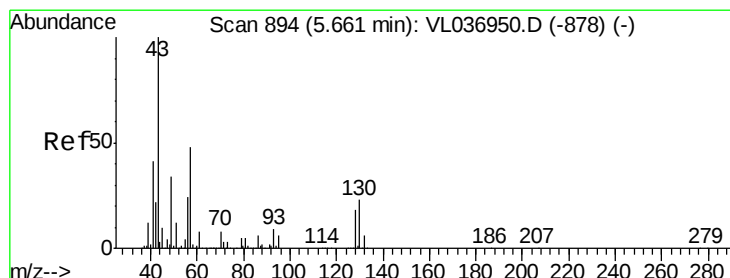
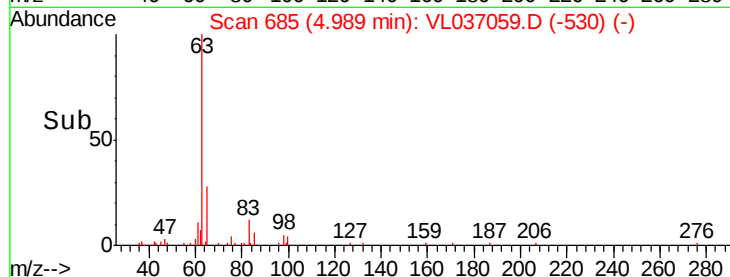
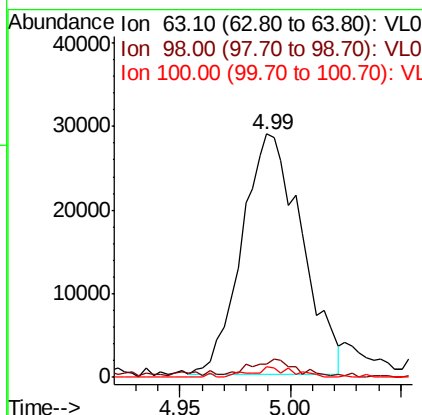
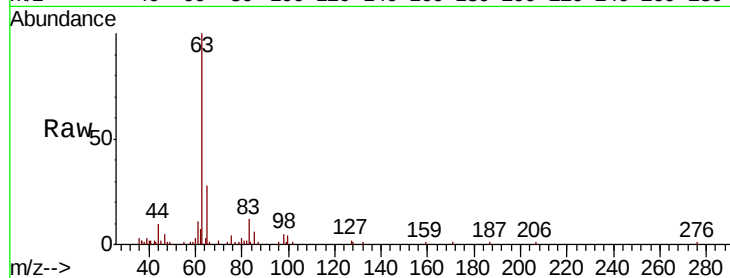
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	63	Resp:	54162
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.9
100	4.3	1.4	4.0#



#25

Ethyl Acetate

Concen: 0.388 ppbv

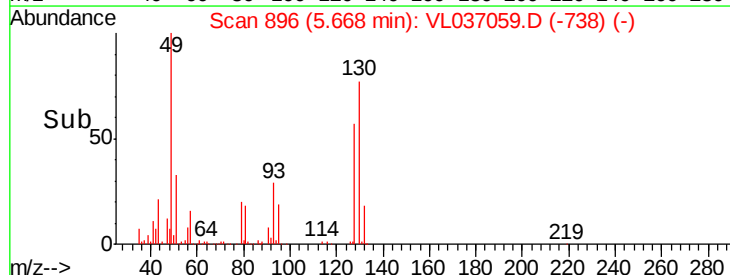
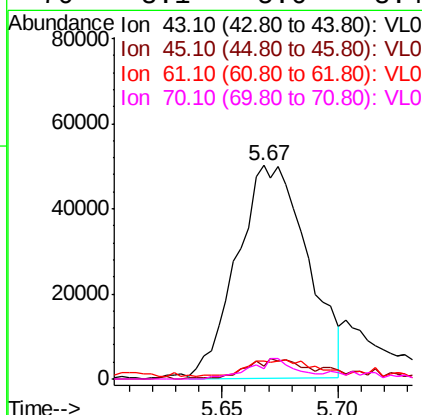
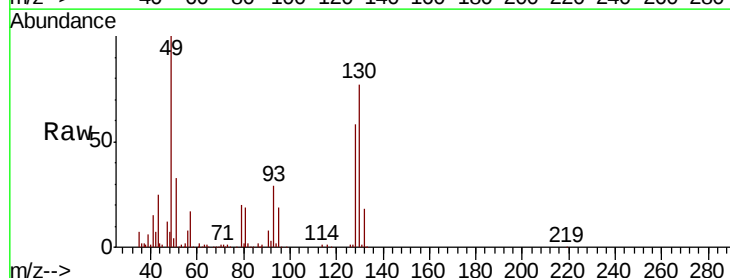
RT: 5.67 min Scan# 896

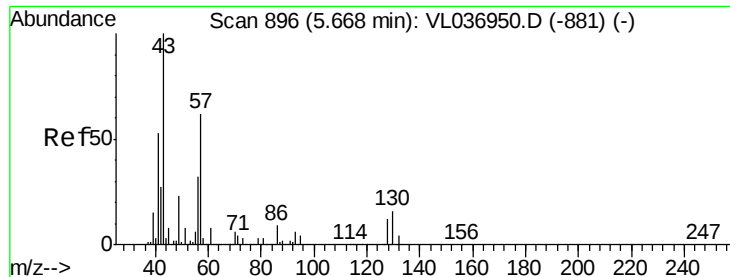
Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion:	43	Resp:	105478
Ion	Ratio	Lower	Upper
43	100		
45	12.3	7.8	11.8#
61	13.1	7.8	11.8#
70	8.1	5.6	8.4





#26

Hexane

Concen: 0.467 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 57 Resp: 64779

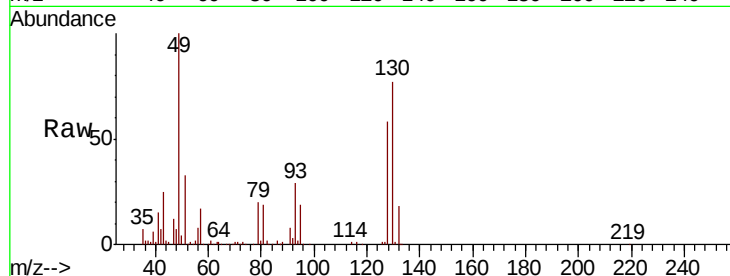
Ion Ratio Lower Upper

57 100

41 108.0 70.5 105.7#

43 199.6 165.8 248.8

56 58.3 42.2 63.4

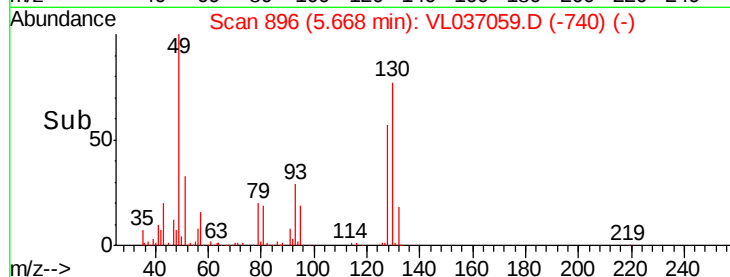
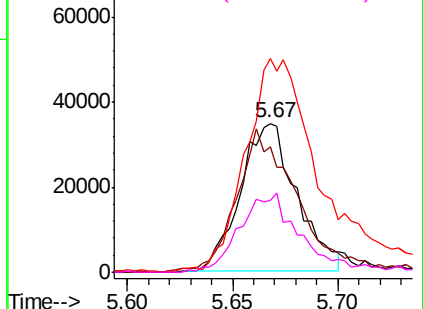


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.316 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

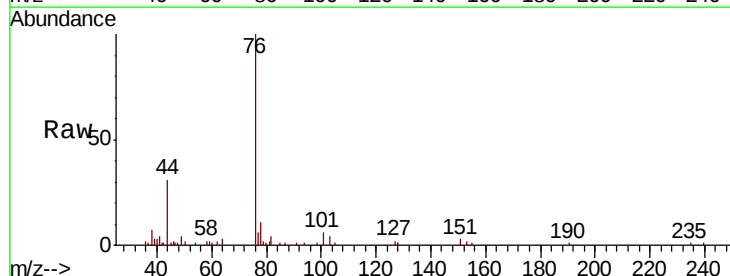
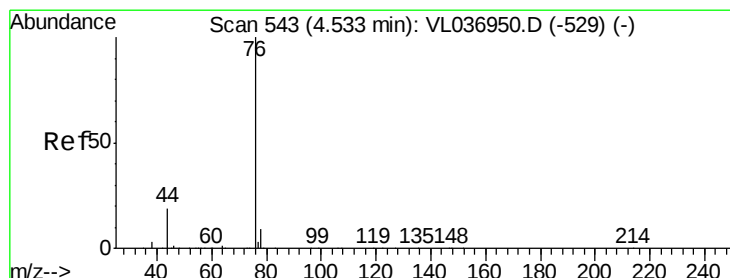
Tgt Ion: 76 Resp: 44187

Ion Ratio Lower Upper

76 100

44 24.7 15.5 23.3#

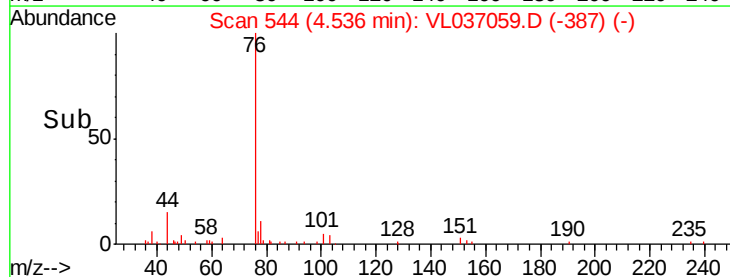
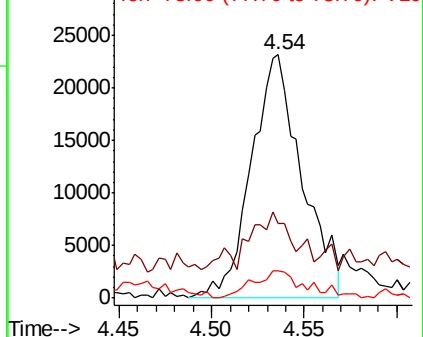
78 11.6 7.8 11.6

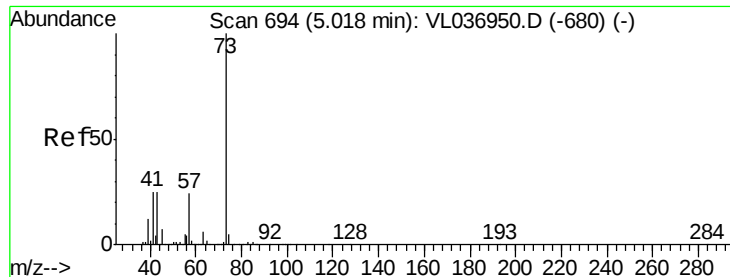


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



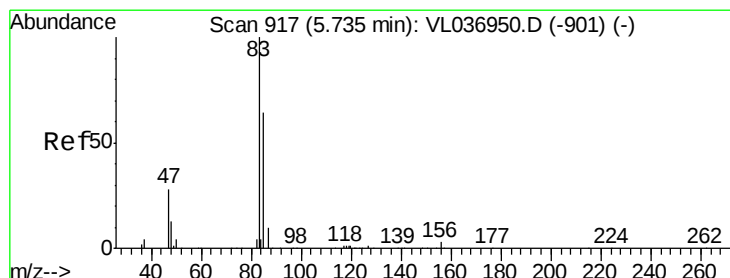
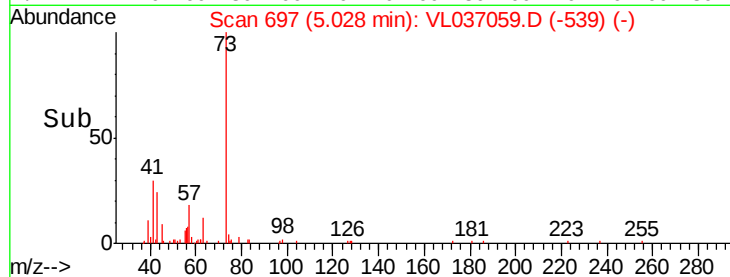
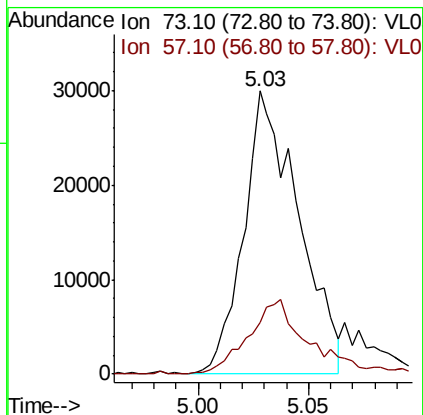
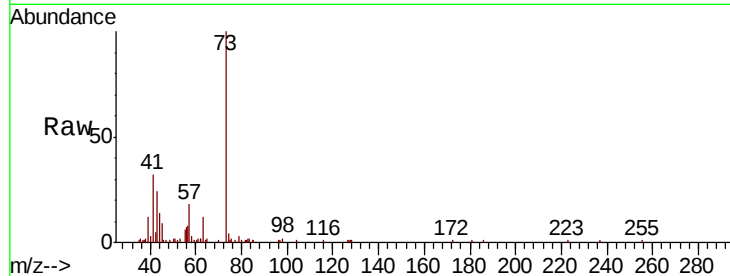


#28

Methvl tert-Butvl Ether
 Concen: 0.310 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

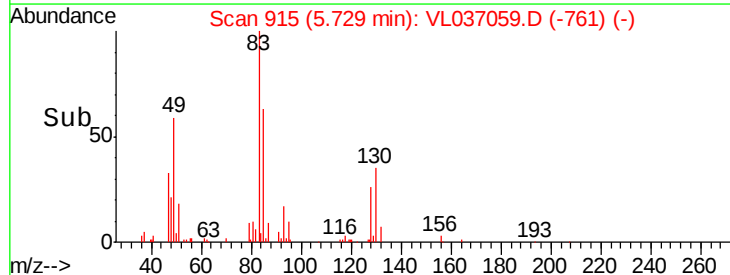
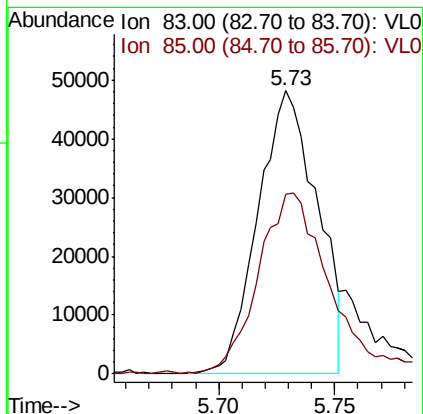
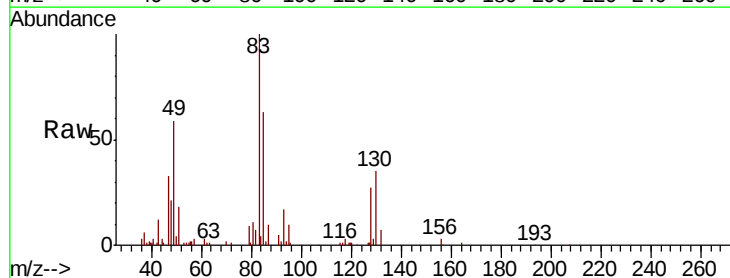
Tot Ion: 73 Resp: 51602
 Ion Ratio Lower Upper
 73 100
 57 29.5 18.3 27.5#

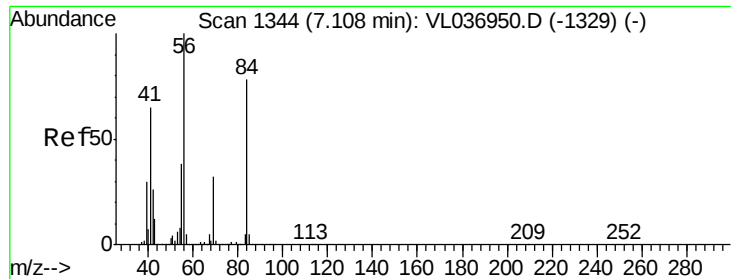


#29

Chloroform
 Concen: 0.436 ppbv
 RT: 5.73 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 83 Resp: 85391
 Ion Ratio Lower Upper
 83 100
 85 63.0 51.1 76.7

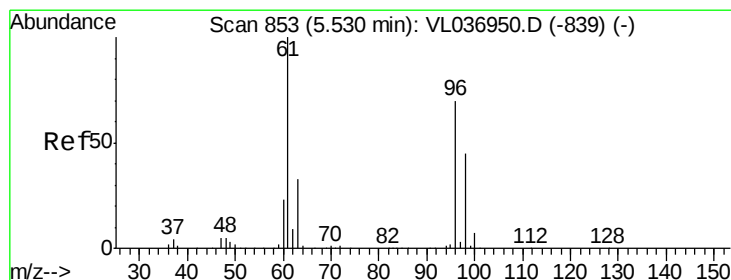
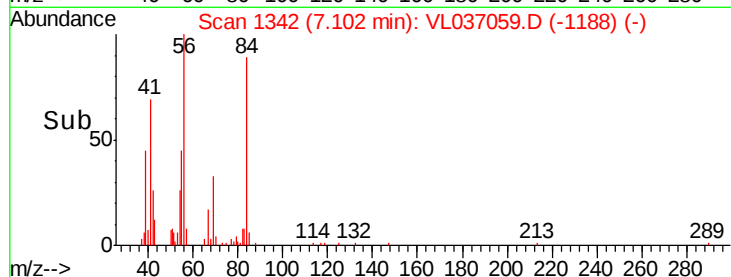
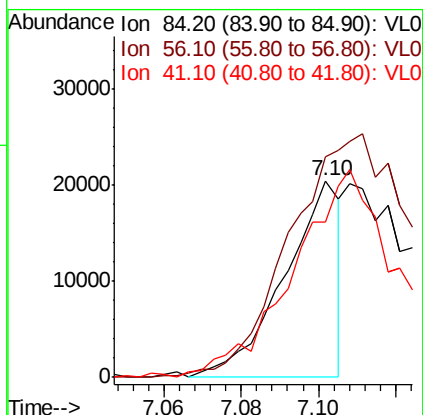
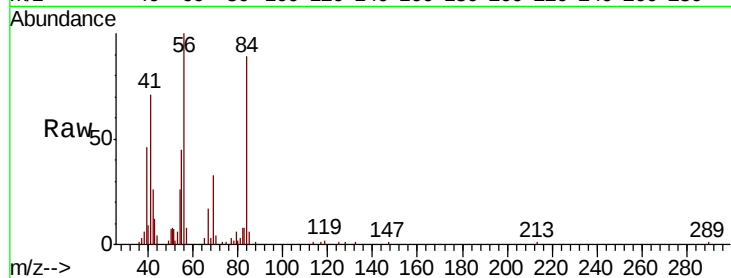




#30
Cvclohexane
Concen: 0.173 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

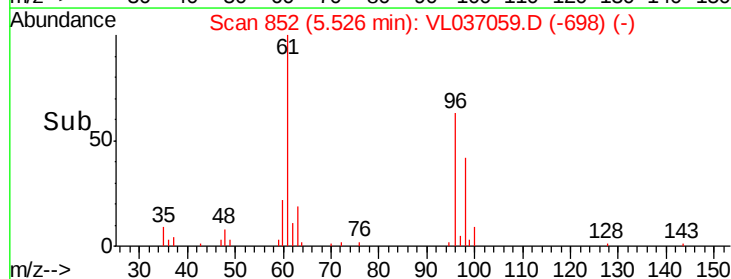
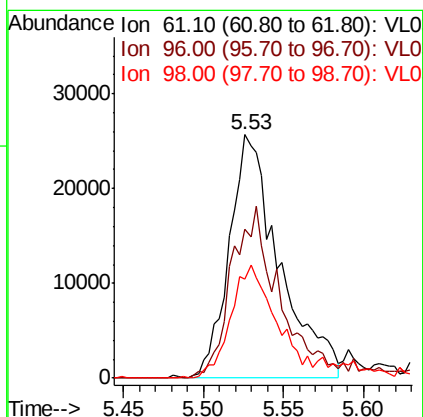
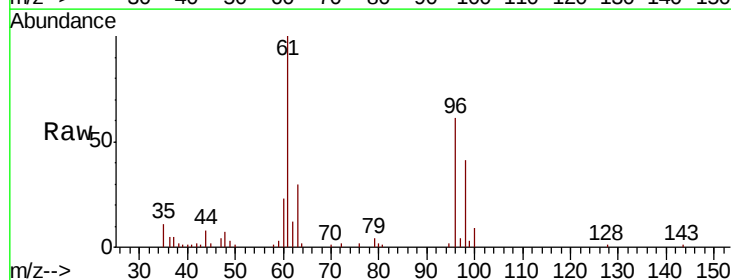
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

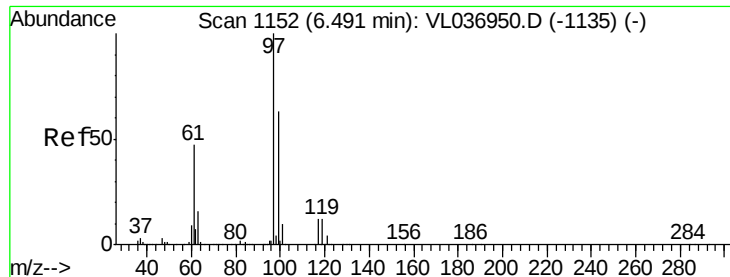
Tot Ion: 84 Resp: 20434
Ion Ratio Lower Upper
84 100
56 0.0 107.9 161.9#
41 0.0 65.5 98.3#



#31
cis-1,2-Dichloroethene
Concen: 0.444 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion: 61 Resp: 55189
Ion Ratio Lower Upper
61 100
96 61.2 55.9 83.9
98 40.9 35.6 53.4





#32

1,1,1-Trichloroethane

Concen: 0.395 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

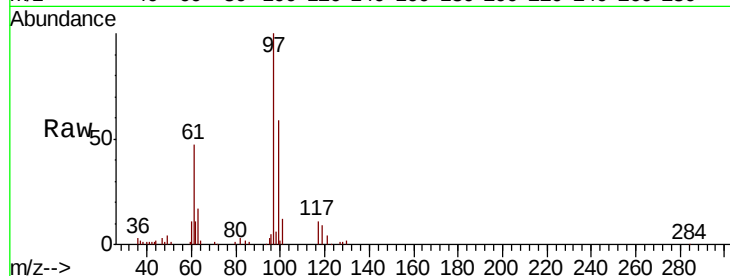
Tot Ion: 97 Resp: 83033

Ion Ratio Lower Upper

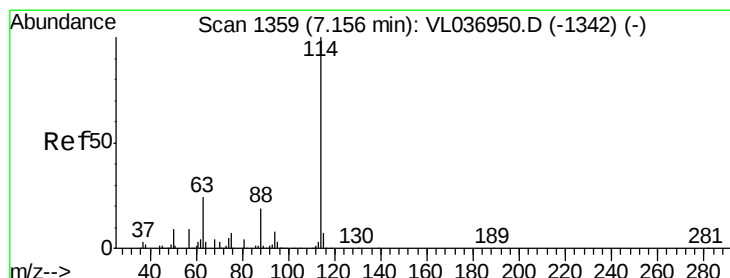
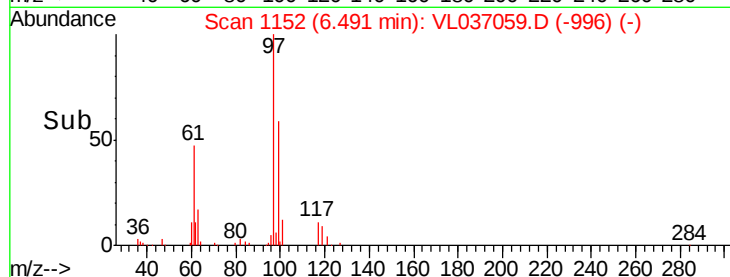
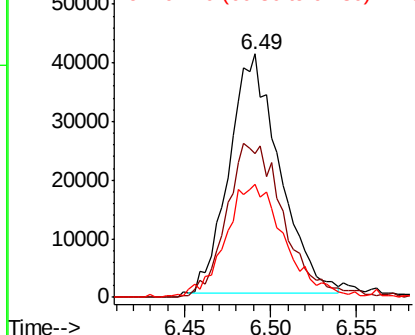
97 100

99 74.5 51.9 77.9

61 56.6 37.6 56.4#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

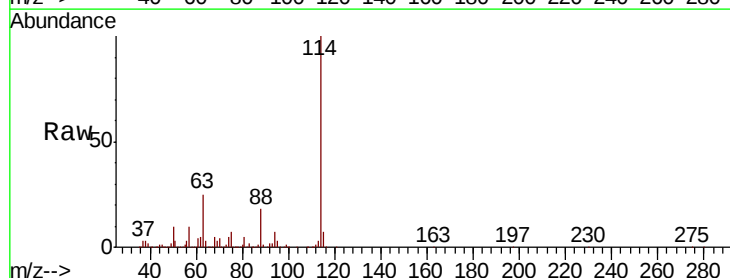
Tgt Ion: 114 Resp: 3371769

Ion Ratio Lower Upper

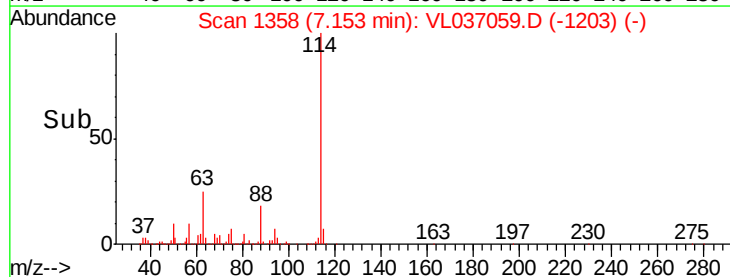
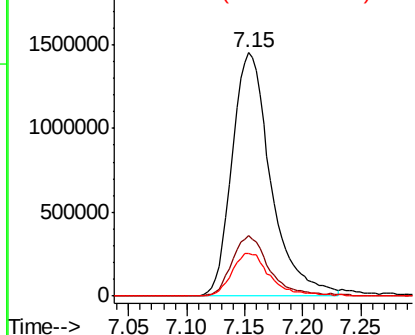
114 100

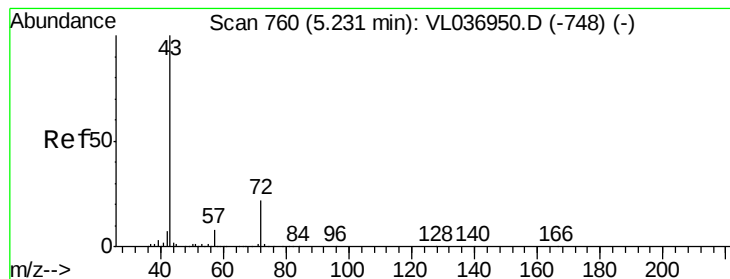
63 24.5 19.6 29.4

88 17.9 14.6 21.8



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





#34

2-Butanone

Concen: 0.303 ppbv

RT: 5.25 min Scan# 766

Delta R.T. 0.02 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

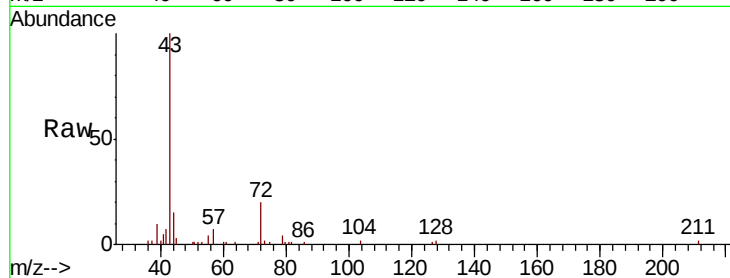
MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 37191

Ion Ratio Lower Upper

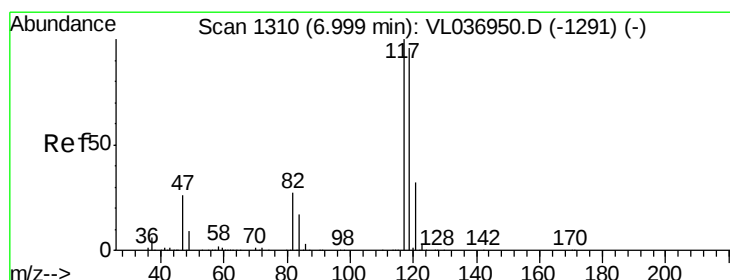
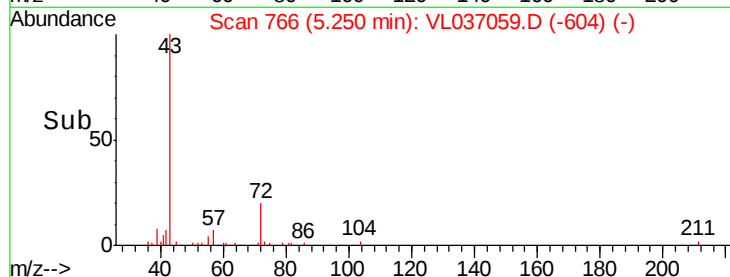
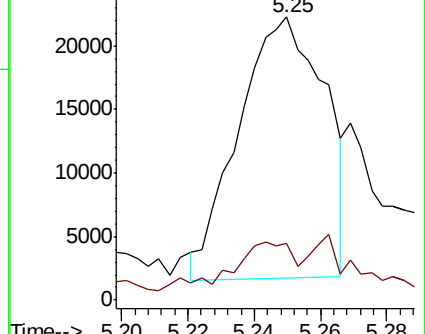
43 100

72 0.0 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.205 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

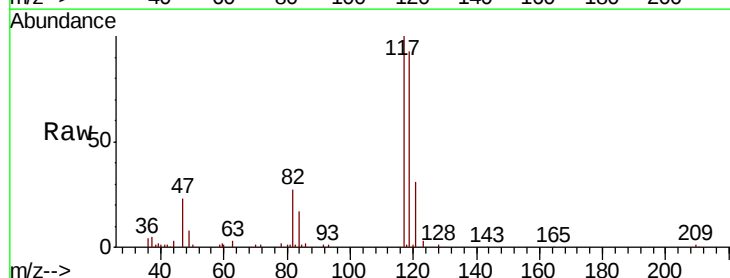
Tgt Ion: 117 Resp: 45971

Ion Ratio Lower Upper

117 100

119 92.7 76.6 114.8

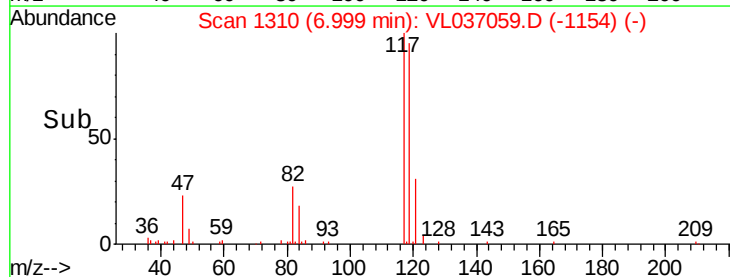
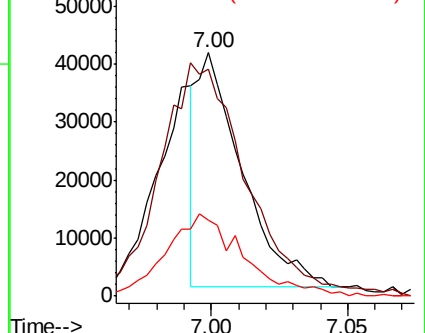
121 30.2 25.8 38.6

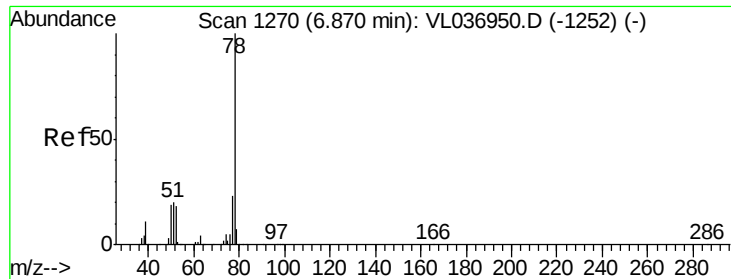


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#36

Benzene

Concen: 0.395 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

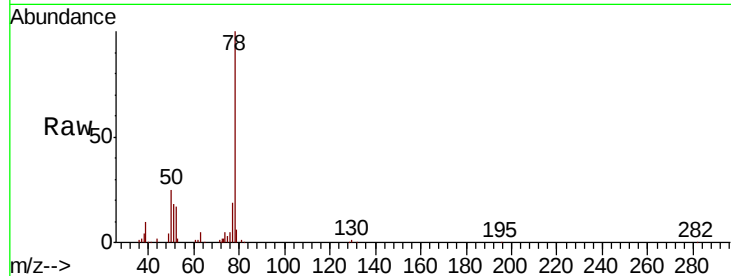
Tot Ion: 78 Resp: 114810

Ion Ratio Lower Upper

78 100

77 18.6 18.6 28.0

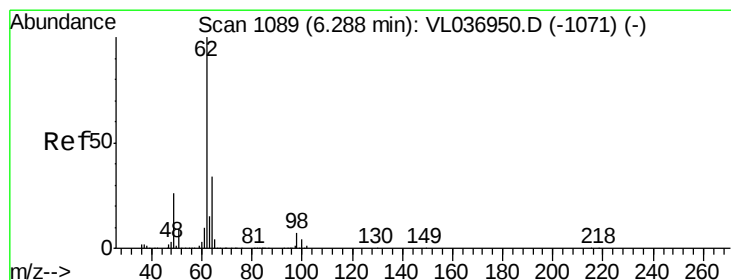
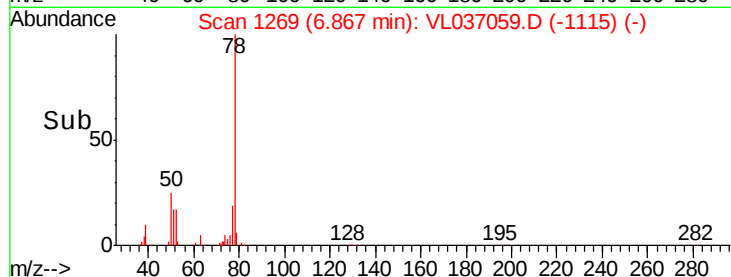
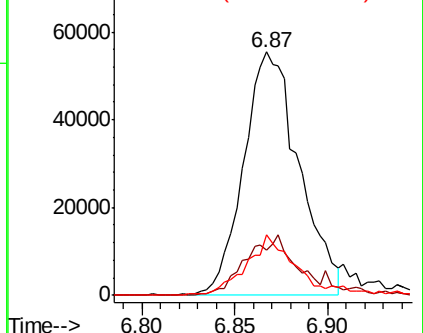
50 24.2 15.0 22.4#



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: 0.457 ppbv

RT: 6.29 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VL037059.D

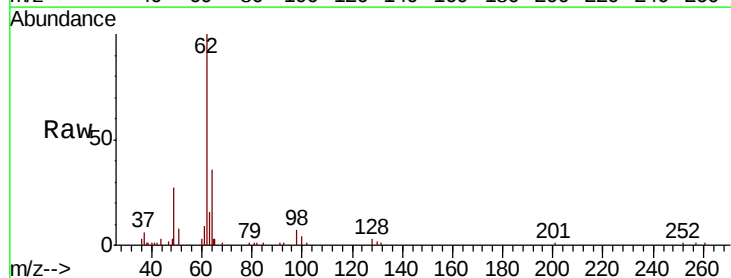
Acq: 25 May 2021 14:00

Tgt Ion: 62 Resp: 65863

Ion Ratio Lower Upper

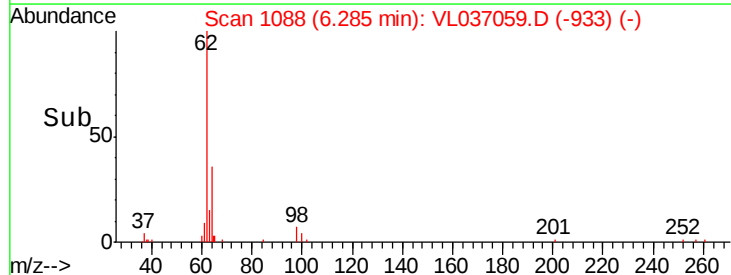
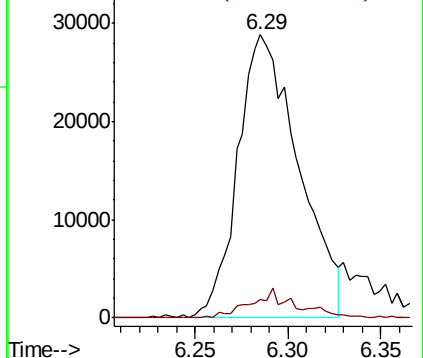
62 100

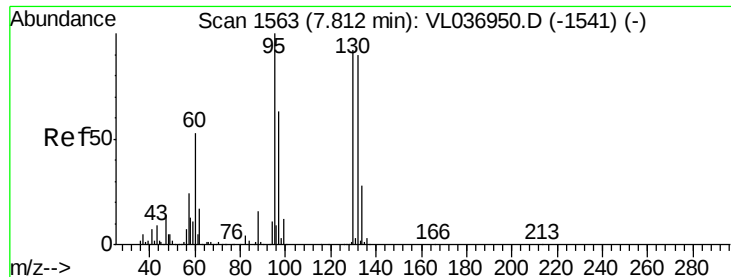
98 7.6 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

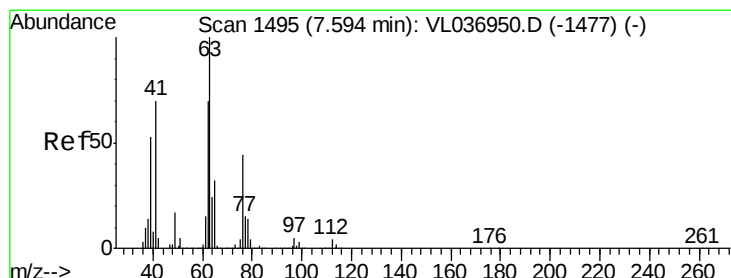
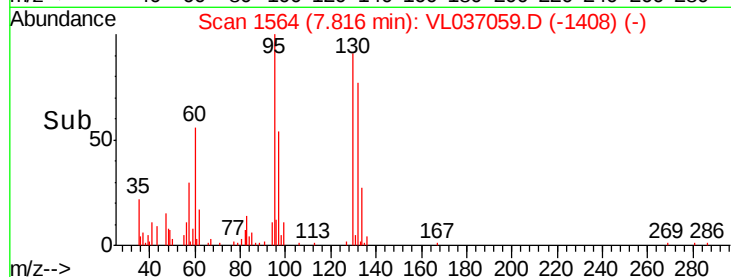
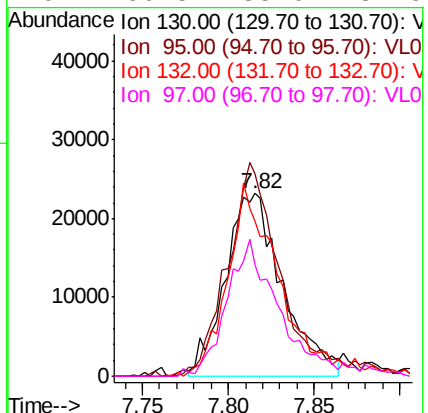
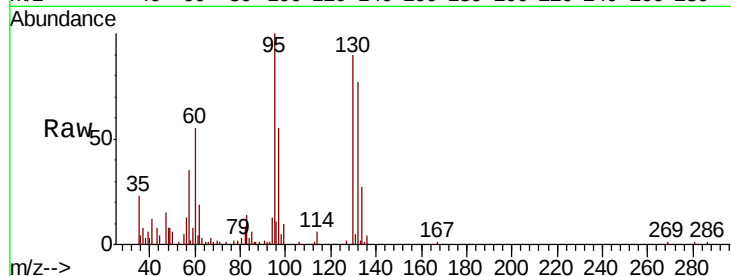




#38
 Trichloroethene
 Concen: 0.434 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

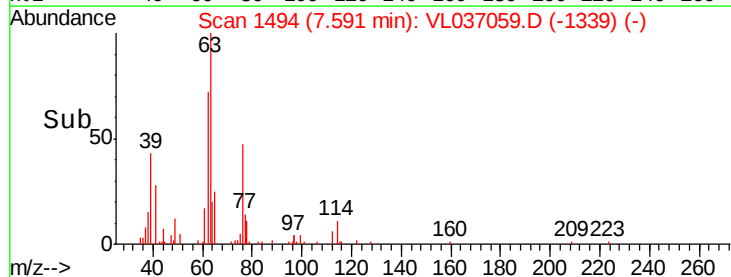
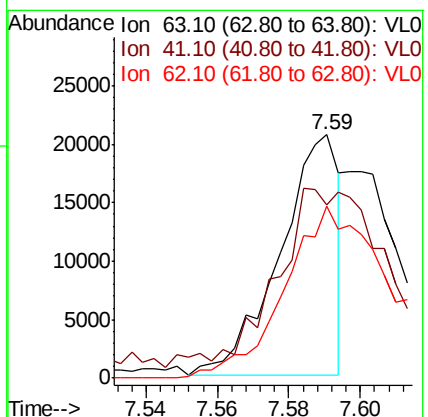
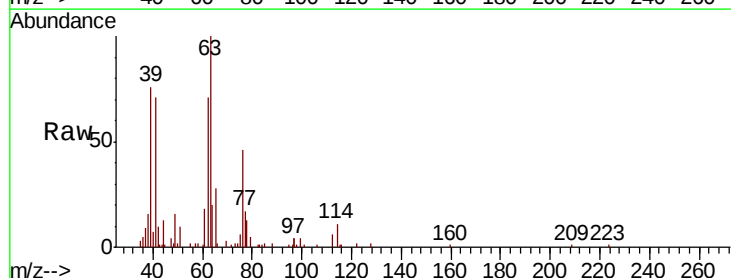
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

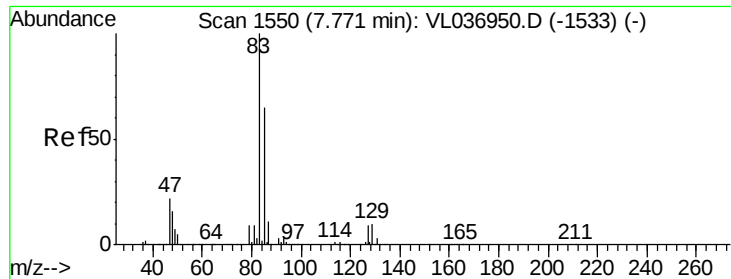
Tot Ion:130	Resp:	53864
Ion Ratio	Lower	Upper
130	100	
95	108.9	86.9 130.3
132	85.0	78.4 117.6
97	60.5	55.0 82.6



#39
 1,2-Dichloropropane
 Concen: 0.211 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 63	Resp:	23581
Ion Ratio	Lower	Upper
63	100	
41	63.3	55.7 83.5
62	70.8	56.2 84.4

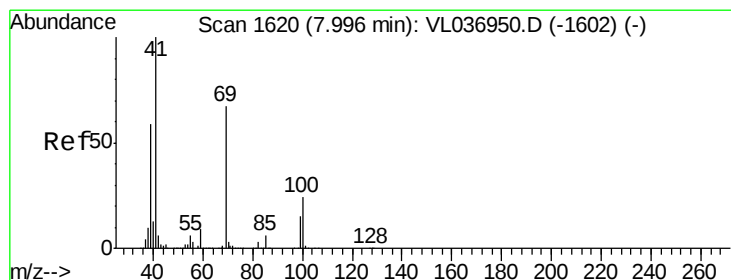
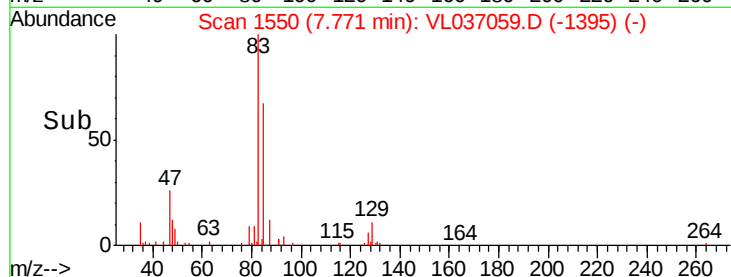
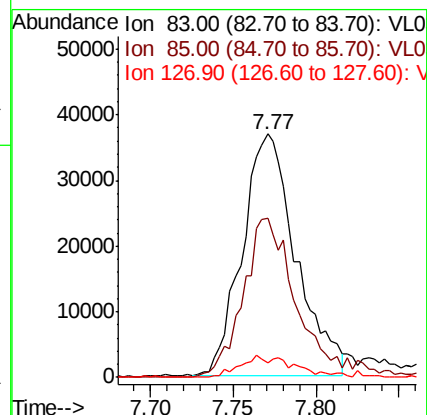
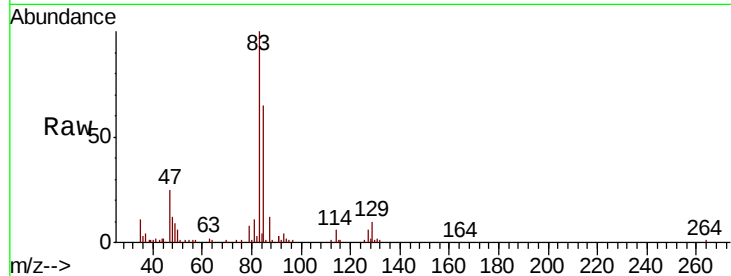




#42
 Bromodichloromethane
 Concen: 0.381 ppbv
 RT: 7.77 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

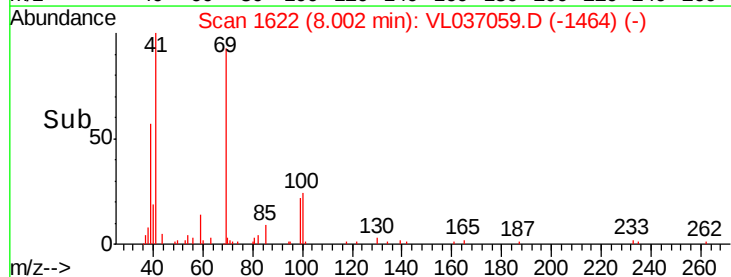
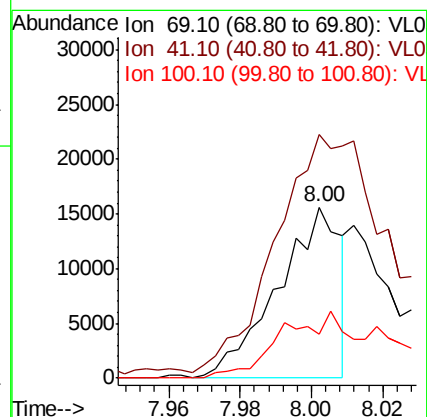
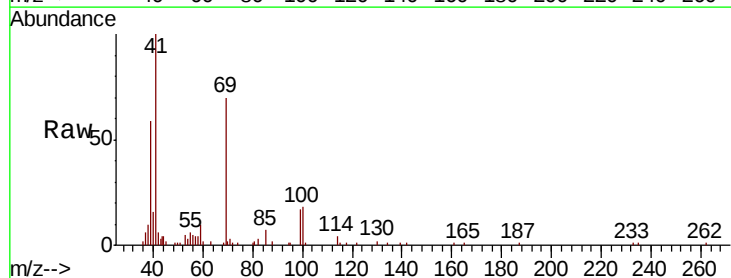
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

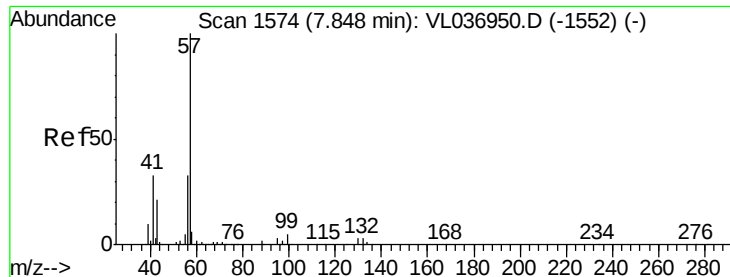
Tot Ion: 83 Resp: 82956
 Ion Ratio Lower Upper
 83 100
 85 65.7 51.7 77.5
 127 6.1 6.9 10.3#



#43
 Methyl Methacrylate
 Concen: 0.191 ppbv
 RT: 8.00 min Scan# 1622
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 69 Resp: 19110
 Ion Ratio Lower Upper
 69 100
 41 277.3 118.6 178.0#
 100 69.1 28.2 42.4#

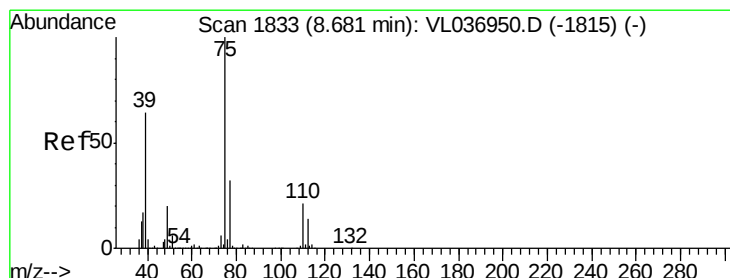
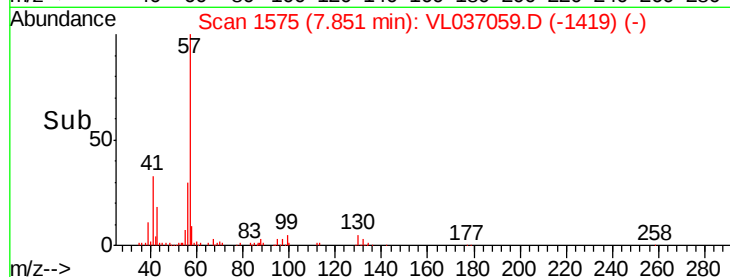
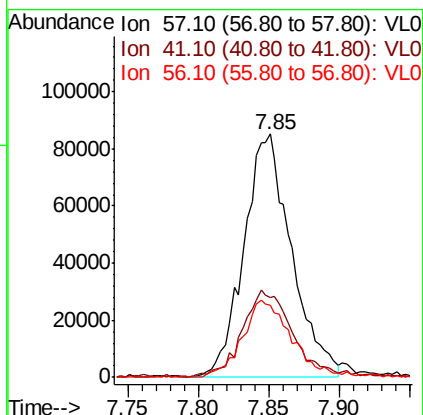
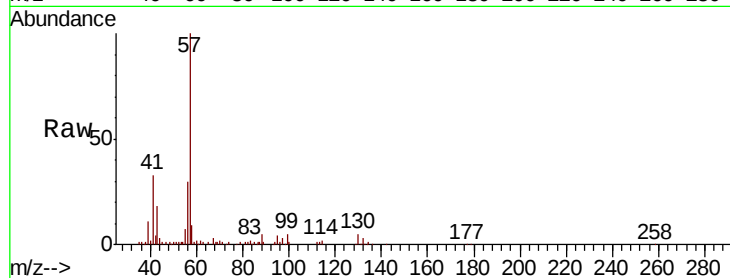




#44
 2,2,4-Trimethylpentane
 Concen: 0.402 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

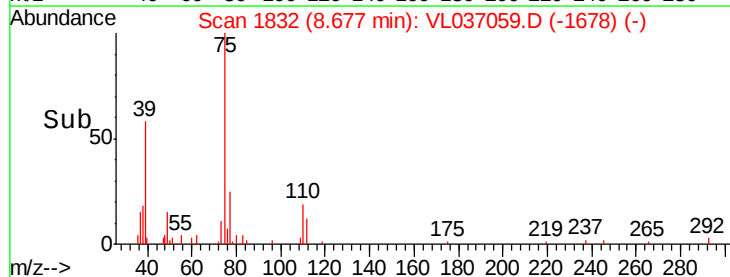
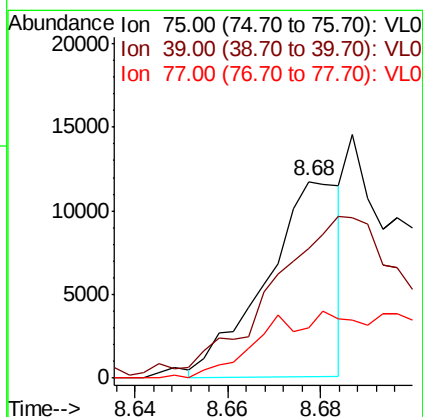
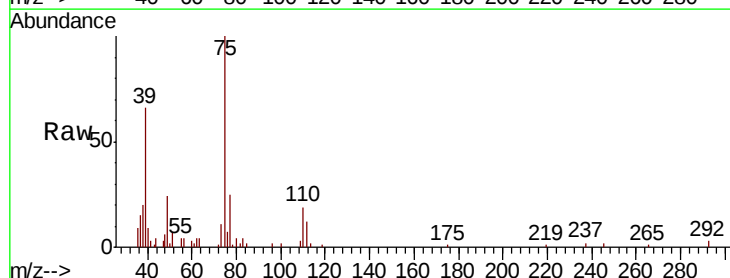
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

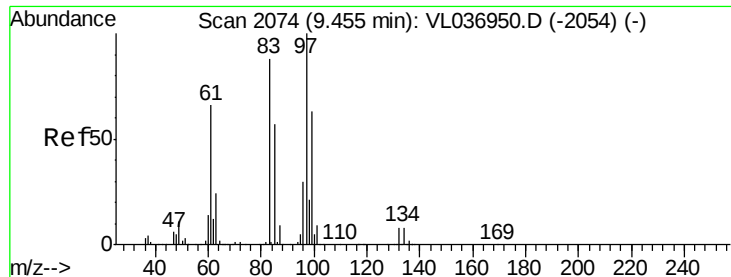
Tot Ion	57	Resp	200194
Ion	Ratio	Lower	Upper
57	100		
41	39.4	27.0	40.4
56	33.5	25.4	38.2



#46
 cis-1,3-Dichloropropene
 Concen: 0.127 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion	75	Resp	13023
Ion	Ratio	Lower	Upper
75	100		
39	58.7	51.5	77.3
77	26.5	25.9	38.9

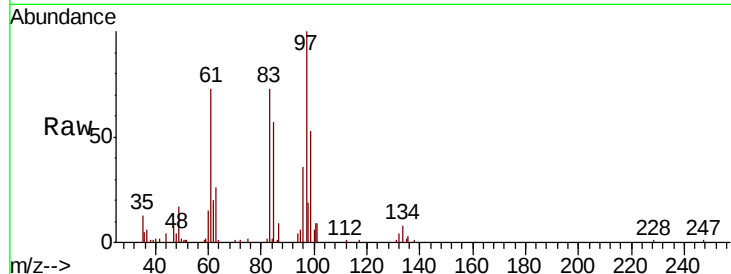




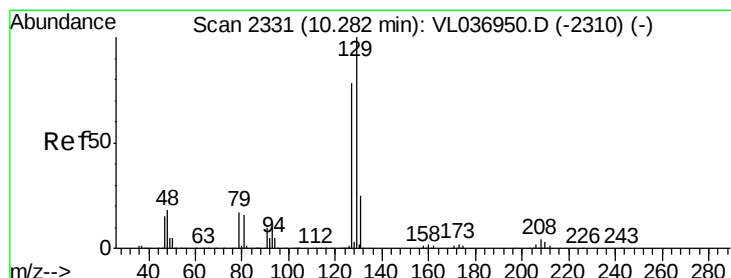
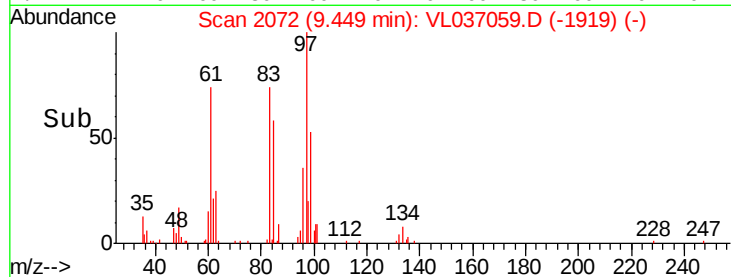
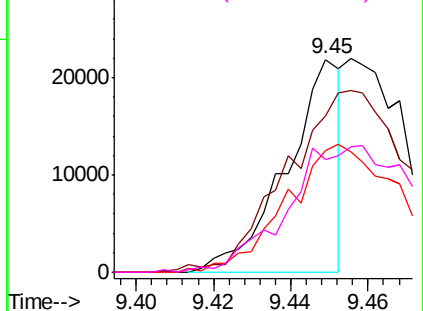
#47
 1,1,2-Trichloroethane
 Concen: 0.183 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

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

Tot Ion: 97 Resp: 21412
 Ion Ratio Lower Upper
 97 100
 83 68.6 70.4 105.6#
 85 55.5 45.5 68.3
 99 51.6 50.2 75.2

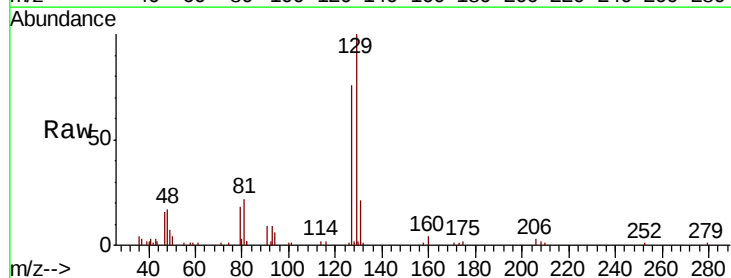


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

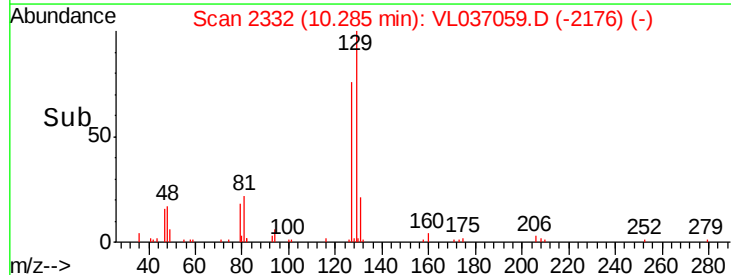
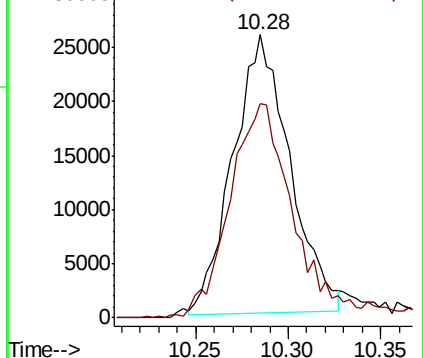


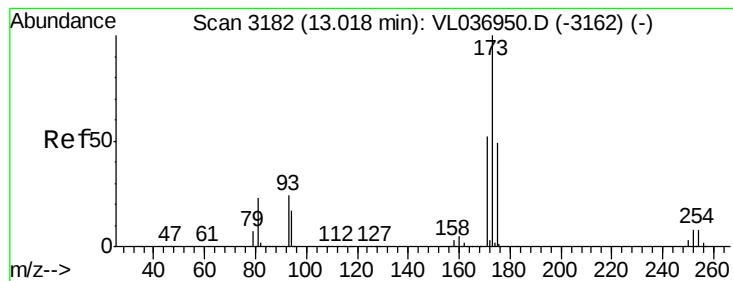
#48
 Dibromochloromethane
 Concen: 0.291 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 129 Resp: 55117
 Ion Ratio Lower Upper
 129 100
 127 89.5 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.094 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

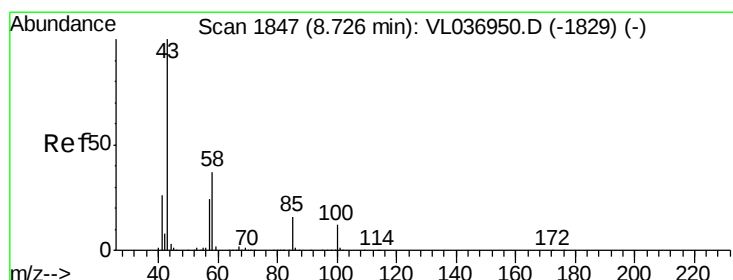
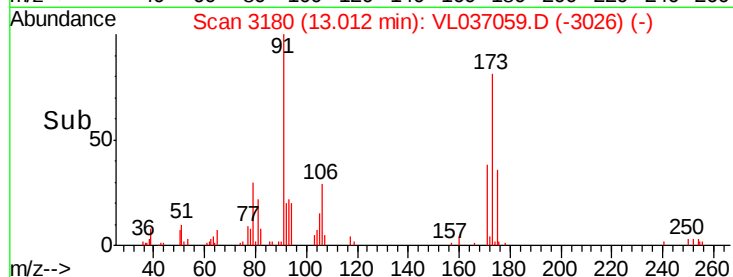
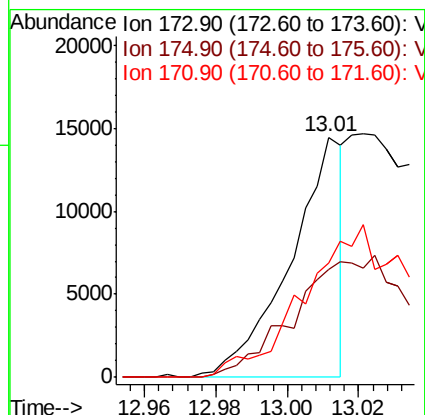
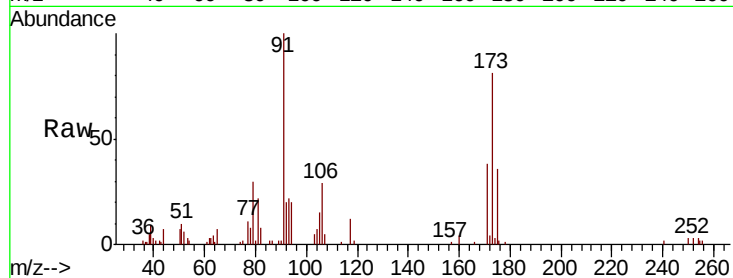
Tot Ion:173 Resp: 14763

Ion Ratio Lower Upper

173 100

175 0.0 40.4 60.6#

171 0.0 42.6 64.0#



#50

4-Methyl-2-Pentanone

Concen: 0.310 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.03 min

Lab File: VL037059.D

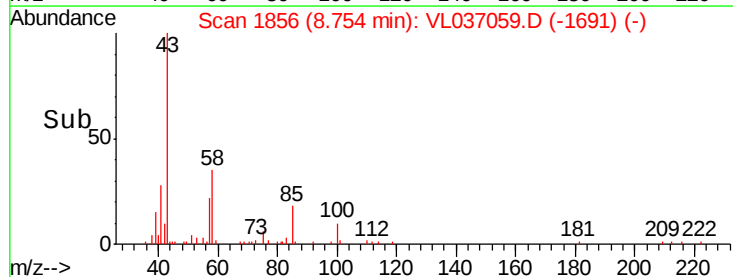
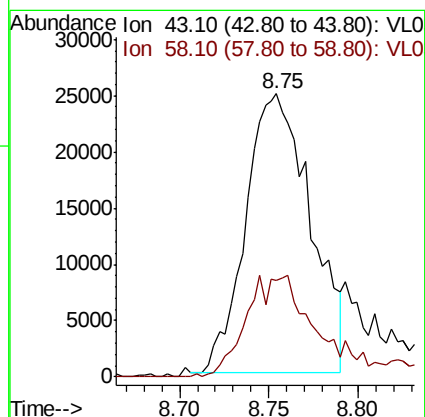
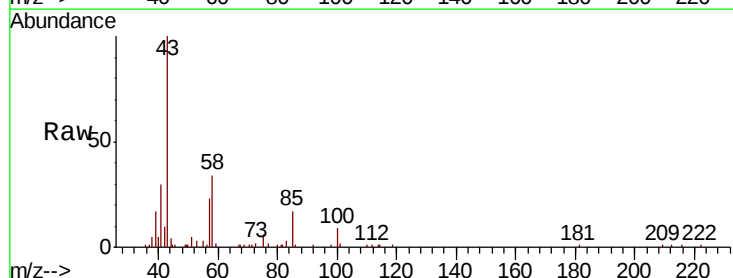
Acq: 25 May 2021 14:00

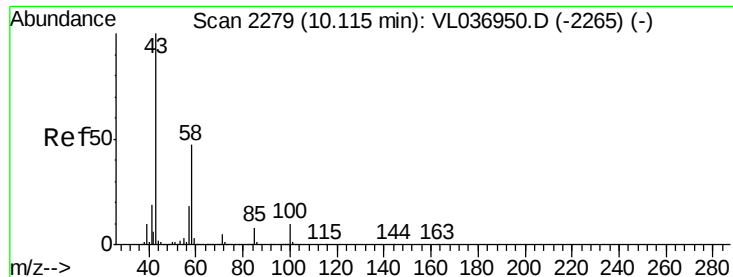
Tgt Ion: 43 Resp: 62881

Ion Ratio Lower Upper

43 100

58 44.2 29.4 44.2#





#51

2-Hexanone

Concen: 0.135 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. 0.03 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

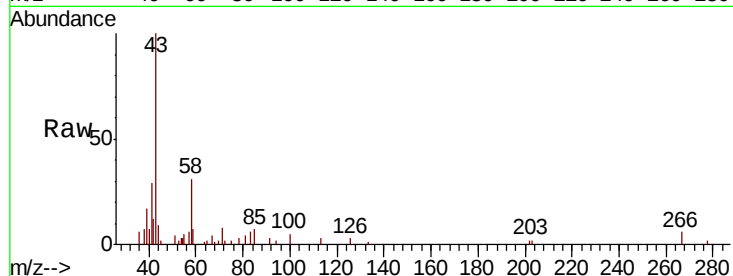
Tot Ion: 43 Resp: 14412

Ion Ratio Lower Upper

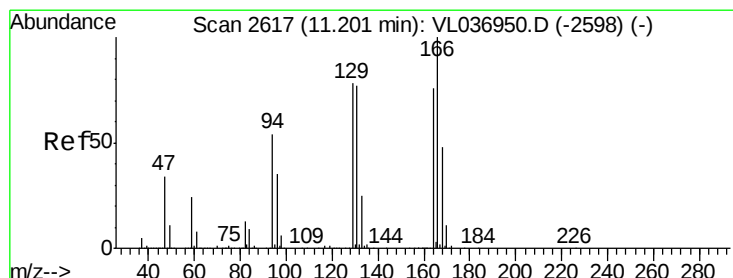
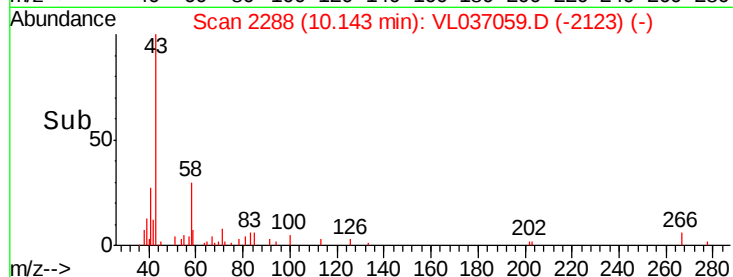
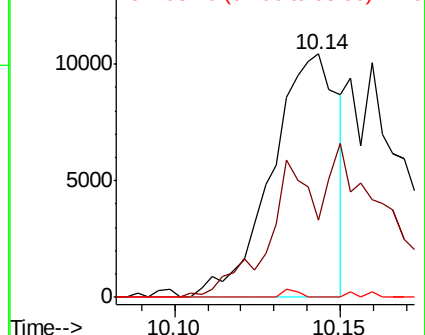
43 100

58 0.0 41.1 61.7#

98 0.0 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.255 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Tgt Ion: 164 Resp: 29423

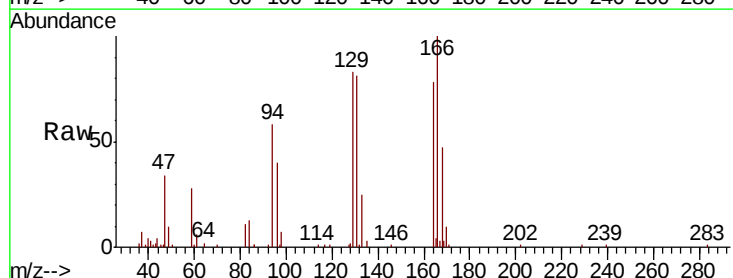
Ion Ratio Lower Upper

164 100

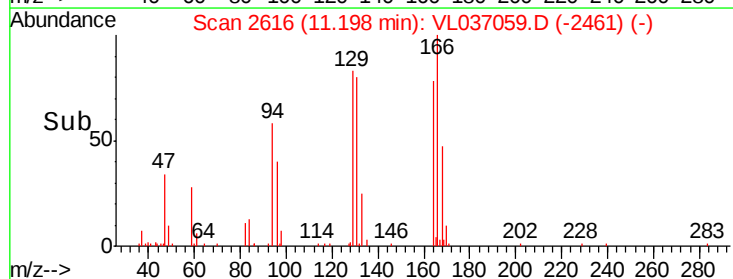
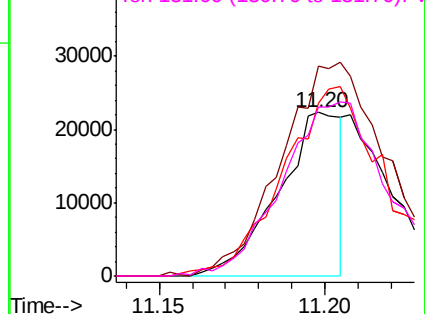
166 128.2 105.5 158.3

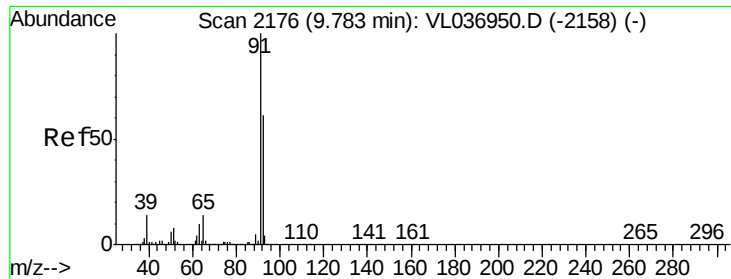
129 102.7 81.8 122.8

131 102.9 81.2 121.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.375 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

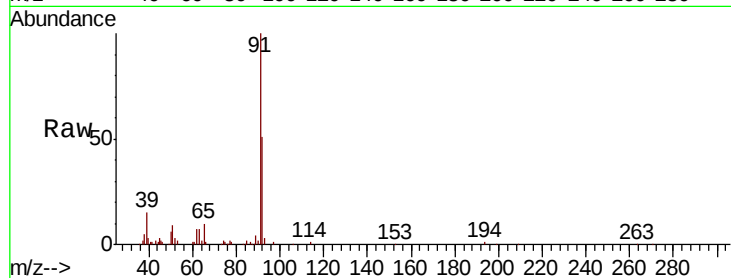
MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 129425

Ion Ratio Lower Upper

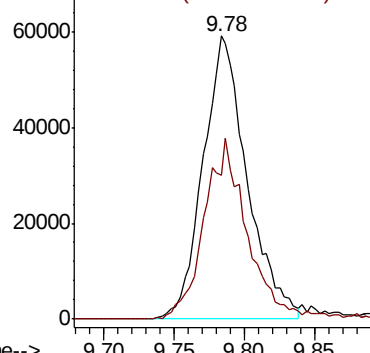
91 100

92 63.1 49.5 74.3

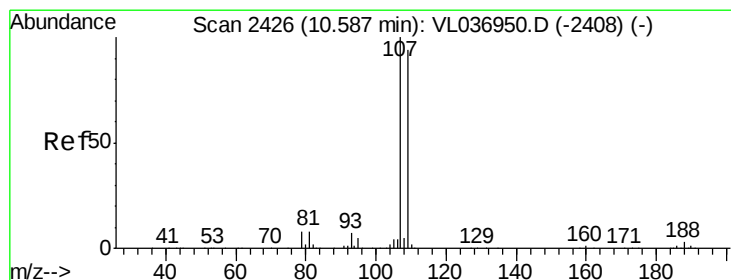
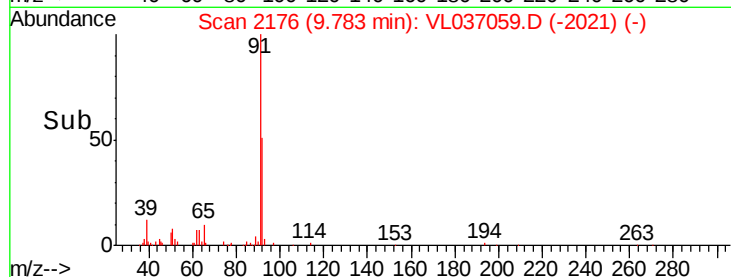


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#54

1,2-Dibromoethane

Concen: 0.158 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL037059.D

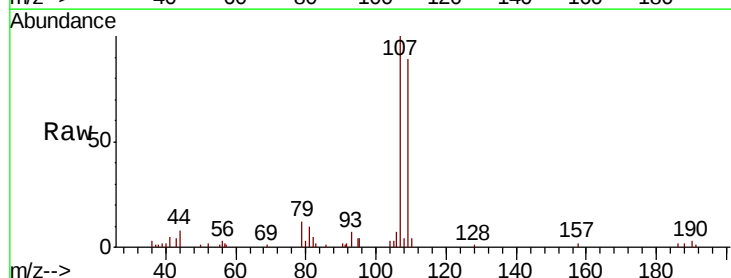
Acq: 25 May 2021 14:00

Tgt Ion:107 Resp: 26251

Ion Ratio Lower Upper

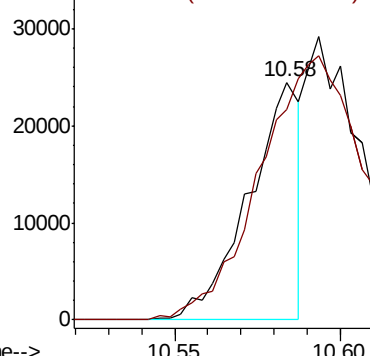
107 100

109 88.6 75.0 112.4

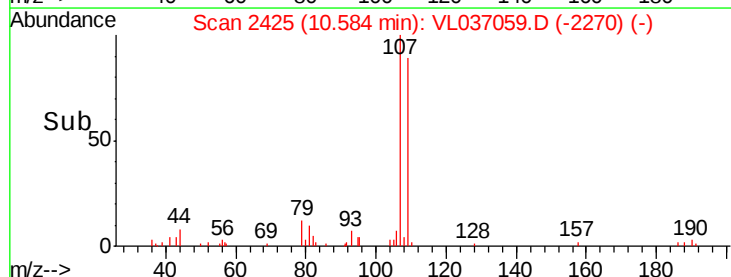


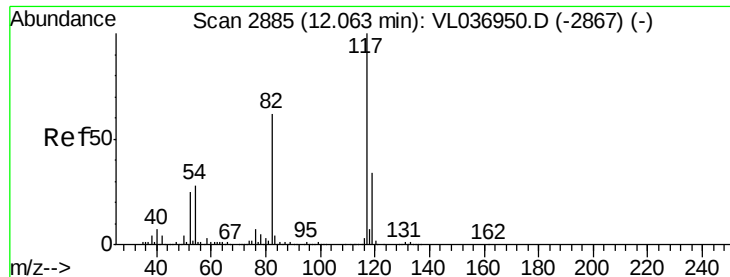
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

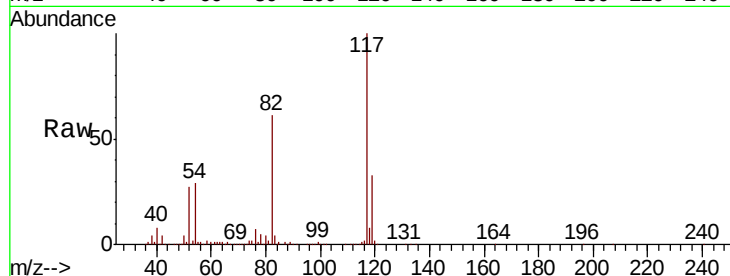
Tot Ion:117 Resp: 3057060

Ion Ratio Lower Upper

117 100

82 62.2 52.6 79.0

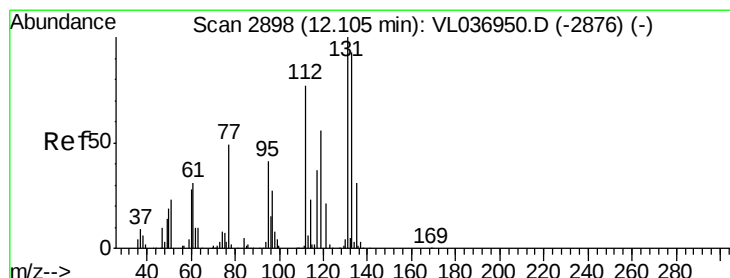
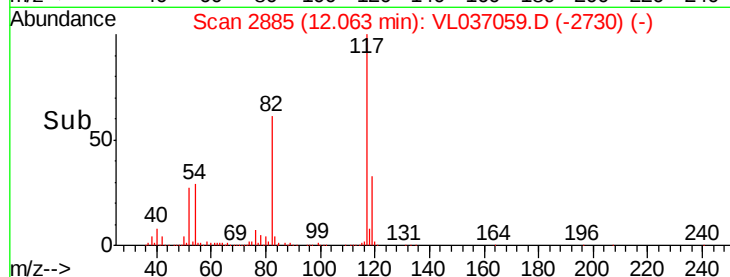
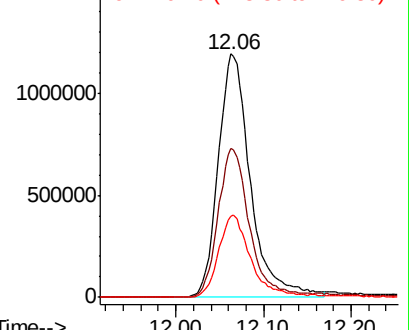
119 34.7 46.6 70.0#



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: 0.415 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

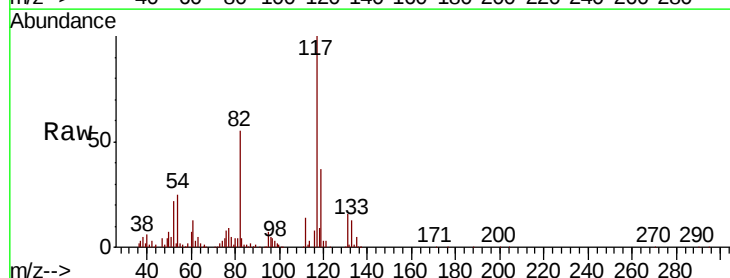
Tgt Ion:131 Resp: 53345

Ion Ratio Lower Upper

131 100

133 103.0 76.9 115.3

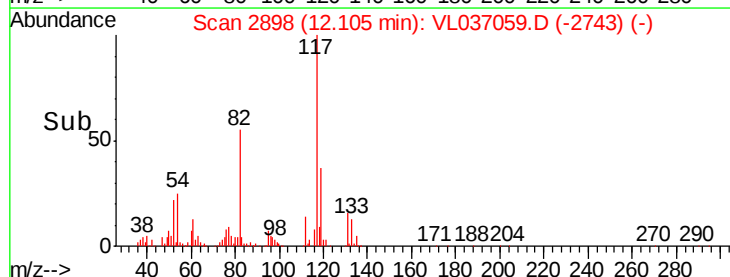
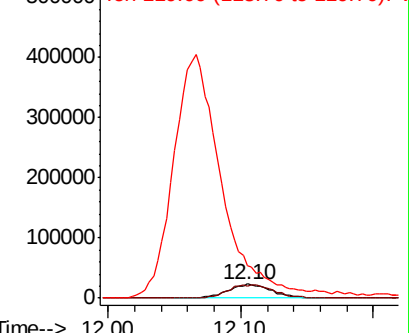
119 1986.2 120.2 180.4#

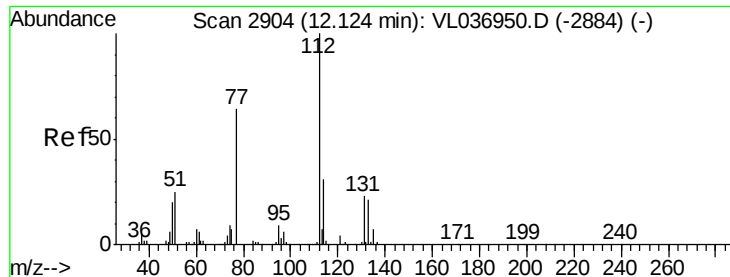


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.271 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

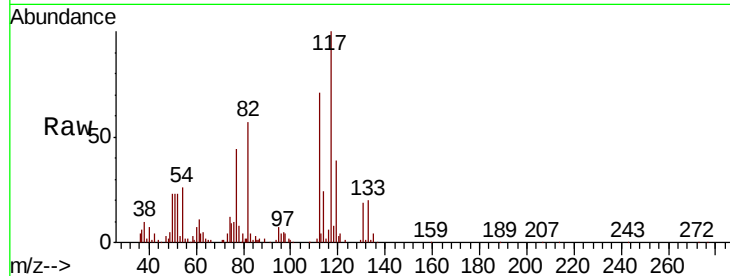
Tot Ion:112 Resp: 64251

Ion Ratio Lower Upper

112 100

77 43.4 51.0 76.6#

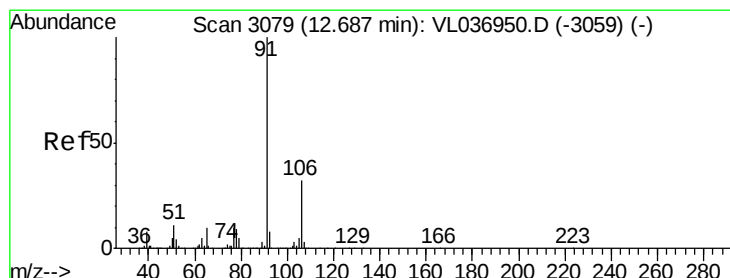
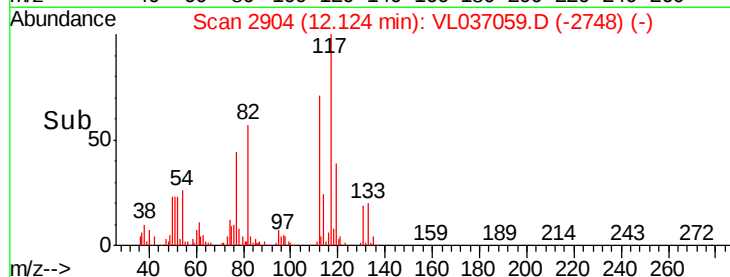
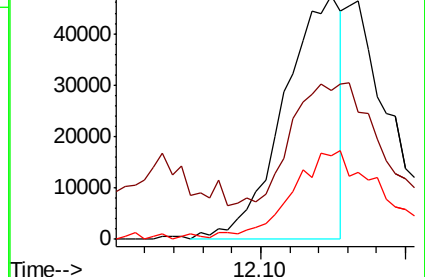
114 31.9 28.3 34.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.165 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL037059.D

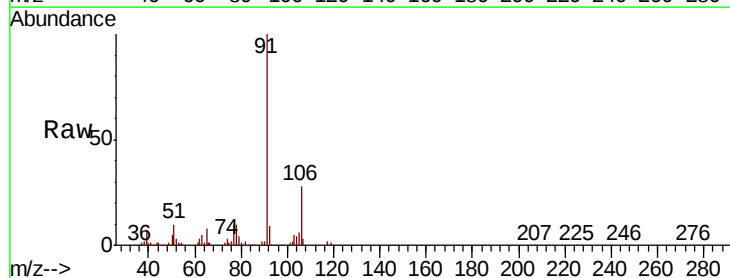
Acq: 25 May 2021 14:00

Tgt Ion: 91 Resp: 71342

Ion Ratio Lower Upper

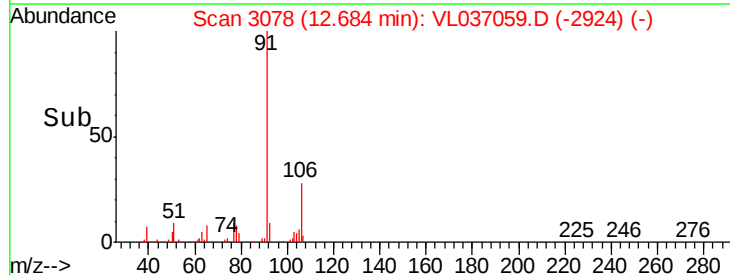
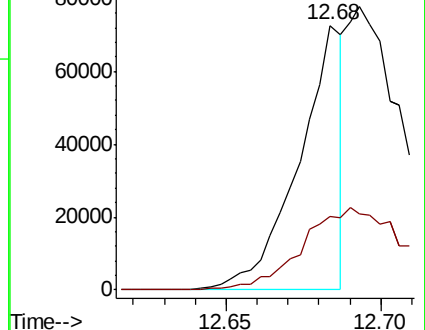
91 100

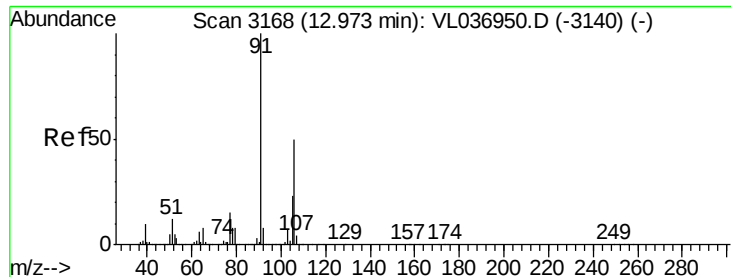
106 27.6 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.340 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

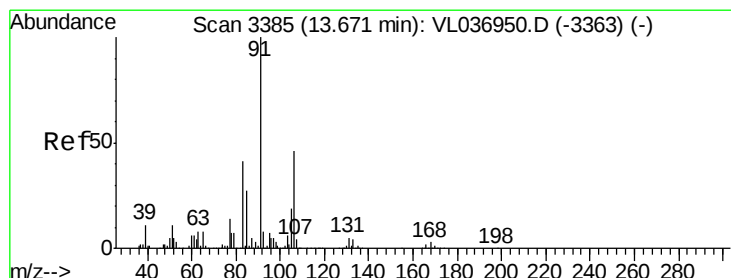
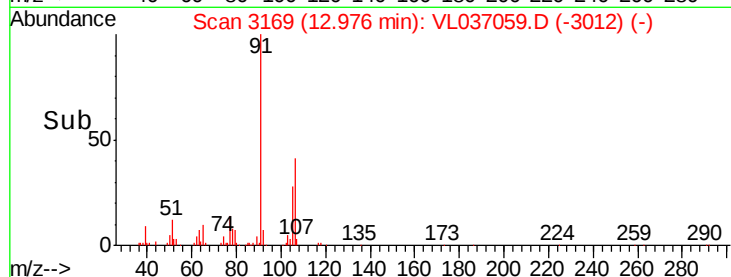
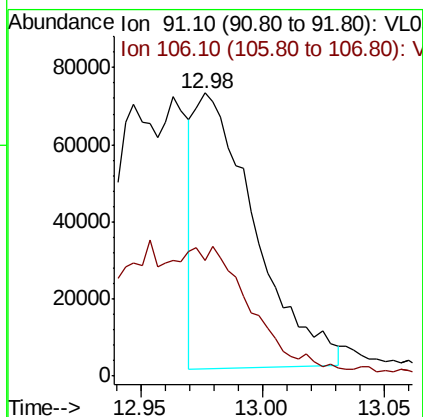
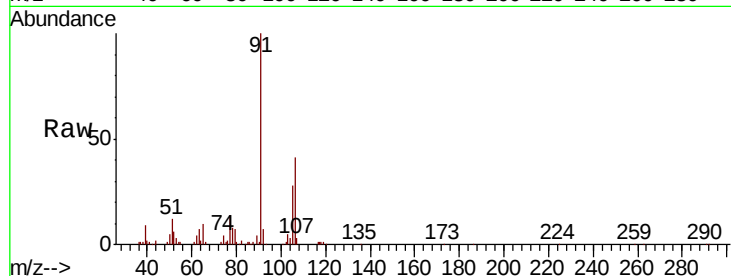
MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 121292

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 0.286 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL037059.D

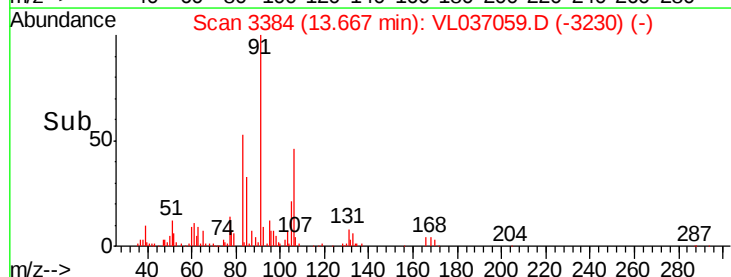
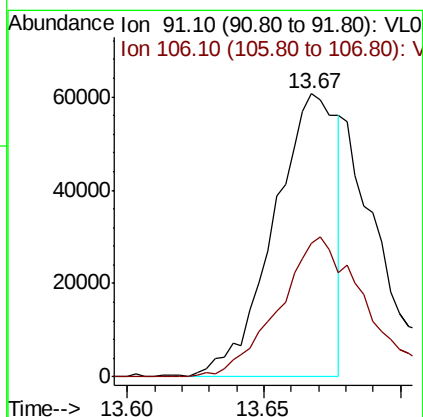
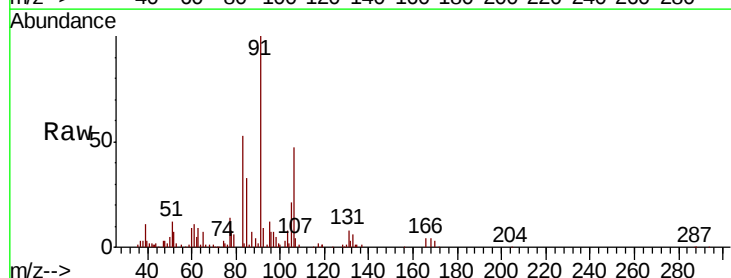
Acq: 25 May 2021 14:00

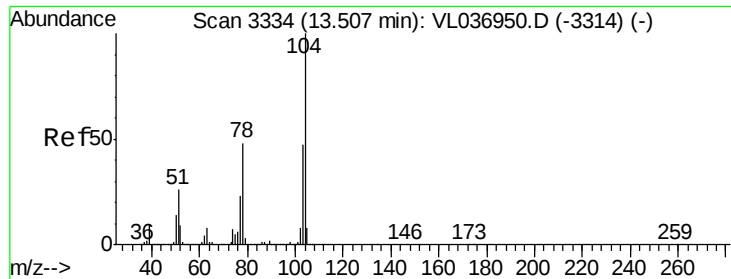
Tgt Ion: 91 Resp: 97372

Ion Ratio Lower Upper

91 100

106 70.7 23.4 70.3#





#61

Stvrene

Concen: 0.320 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

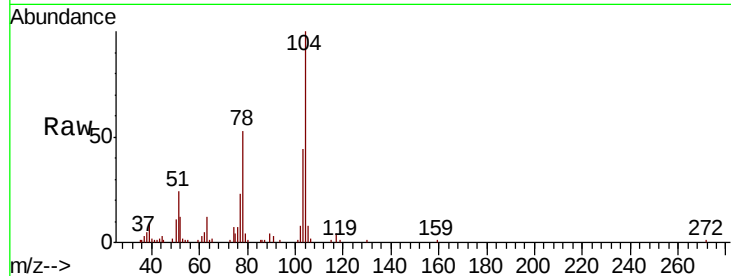
Tot Ion:104 Resp: 61370

Ion Ratio Lower Upper

104 100

78 58.7 39.0 58.6#

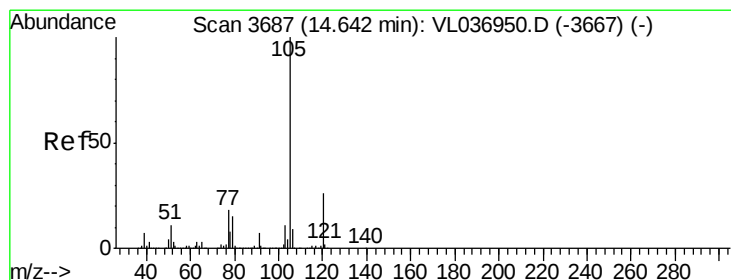
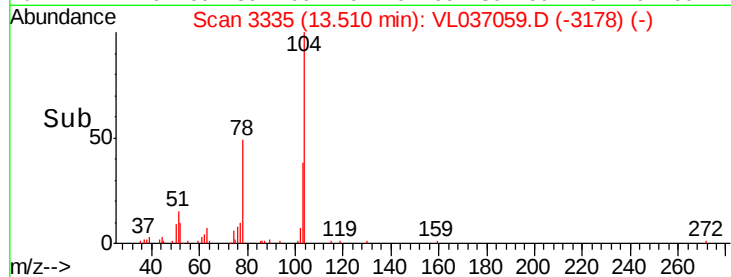
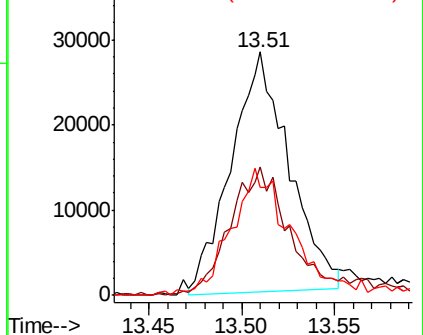
103 55.9 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.419 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL037059.D

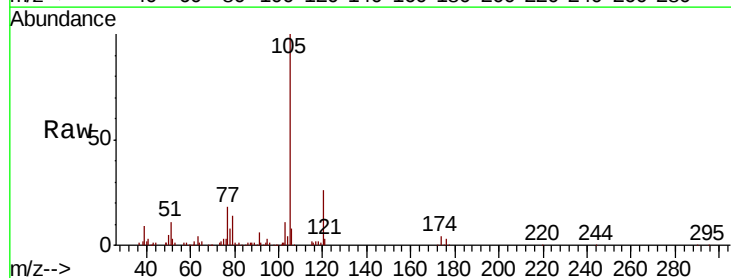
Acq: 25 May 2021 14:00

Tgt Ion:105 Resp: 204811

Ion Ratio Lower Upper

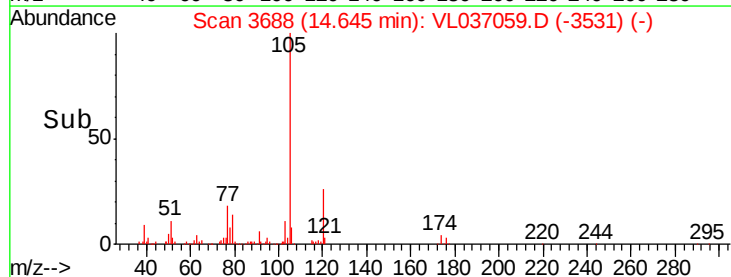
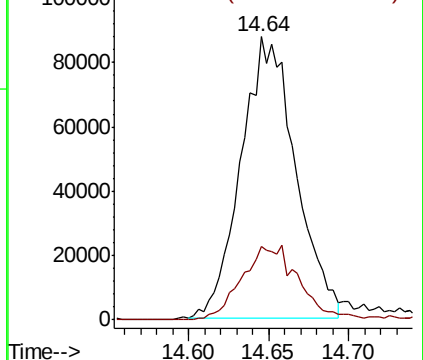
105 100

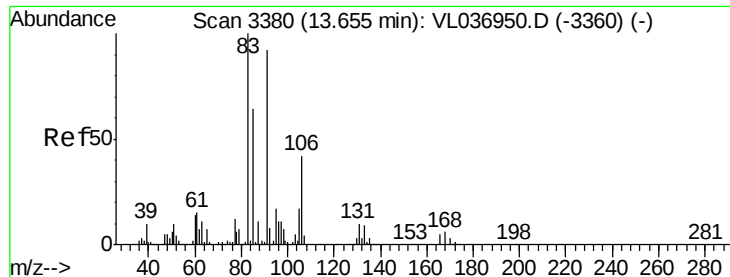
120 28.3 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.170 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

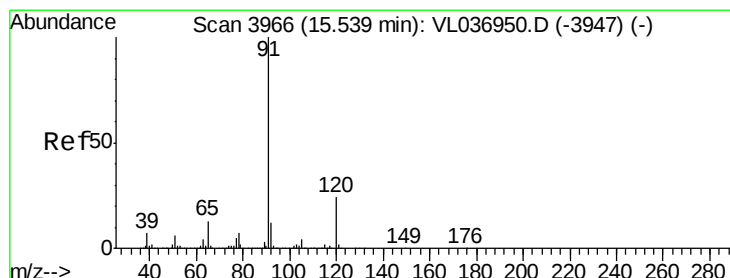
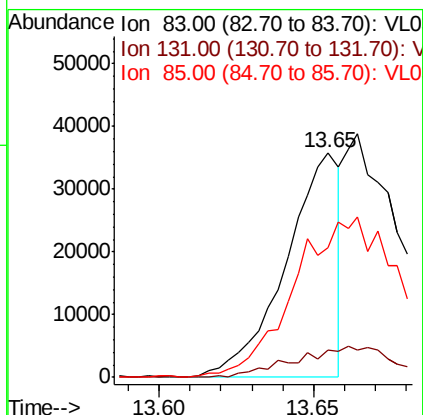
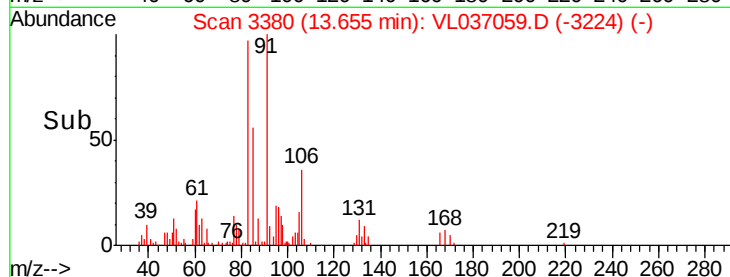
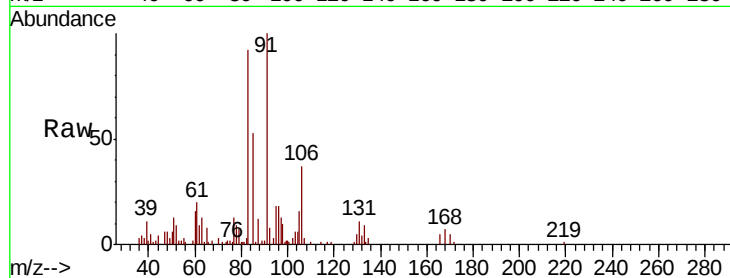
Tot Ion: 83 Resp: 43272

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.9 98.6#



#64

n-propylbenzene

Concen: 0.367 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037059.D

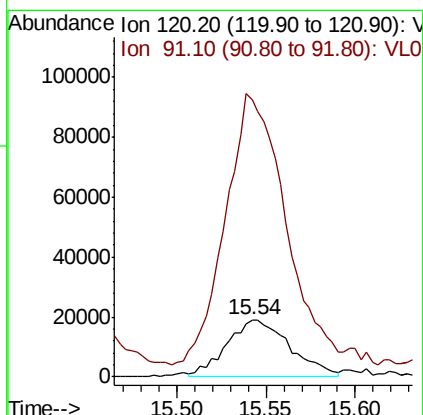
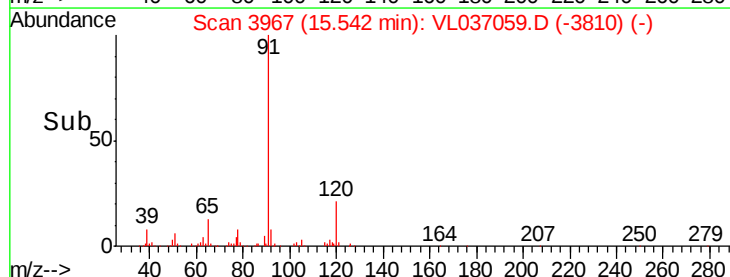
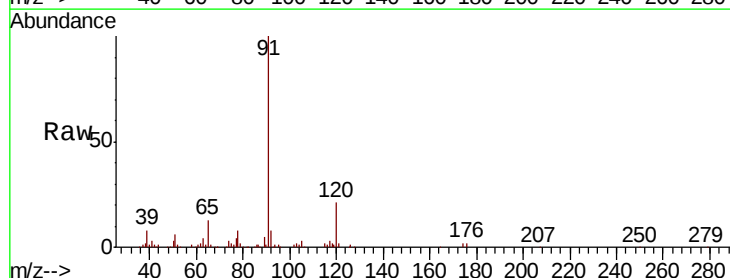
Acq: 25 May 2021 14:00

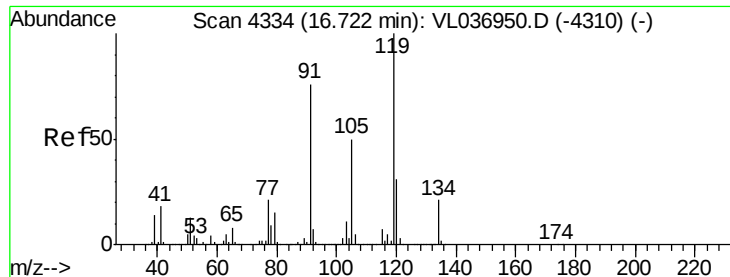
Tgt Ion: 120 Resp: 46319

Ion Ratio Lower Upper

120 100

91 542.0 343.8 515.6#

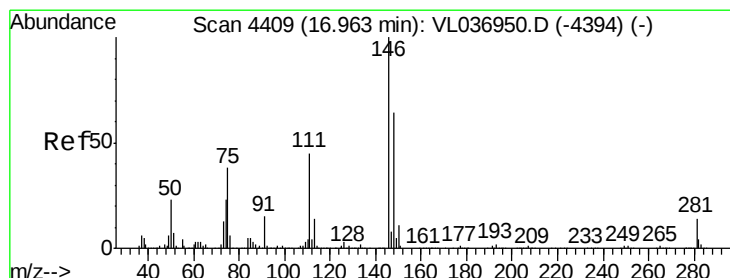
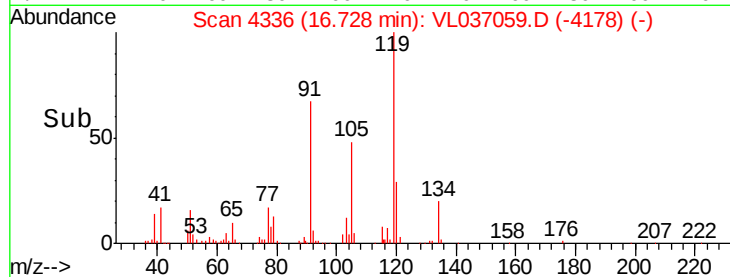
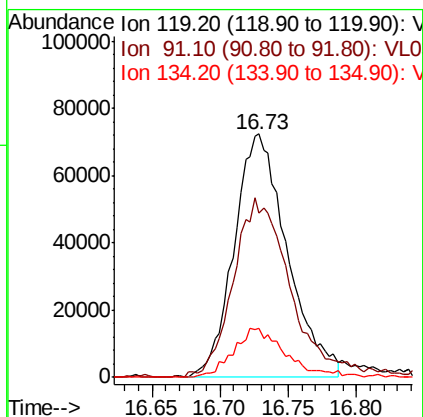
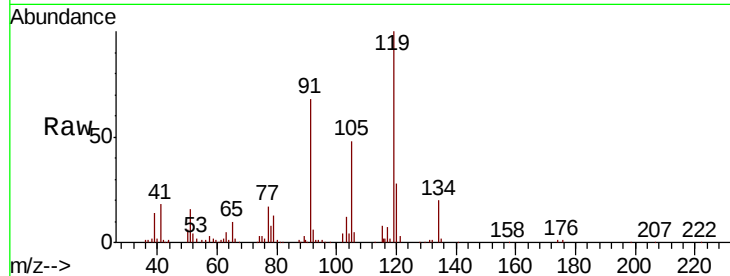




#65
tert-Butylbenzene
Concen: 0.444 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

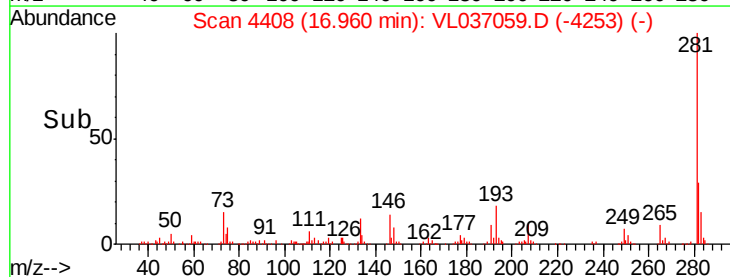
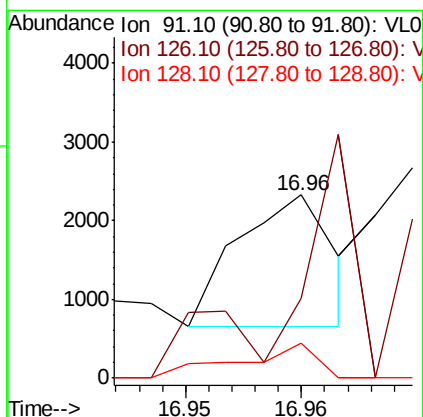
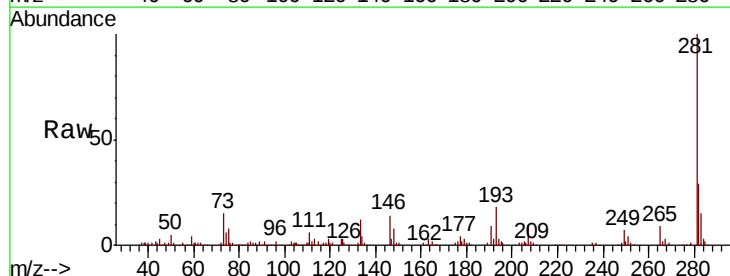
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

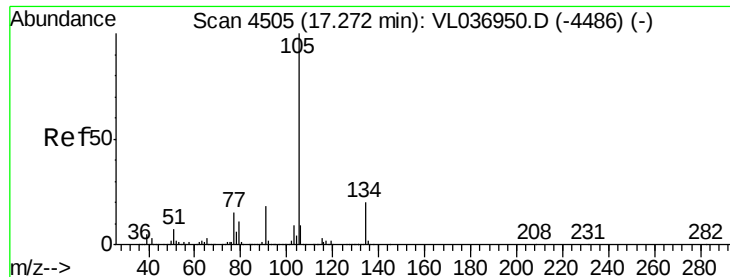
Tot Ion: 119 Resp: 196044
Ion Ratio Lower Upper
119 100
91 80.4 61.9 92.9
134 20.3 16.2 24.4



#66
Benzyl Chloride
Concen: 0.039 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion: 91 Resp: 949
Ion Ratio Lower Upper
91 100
126 531.6 16.5 24.7#
128 21.0 5.5 8.3#

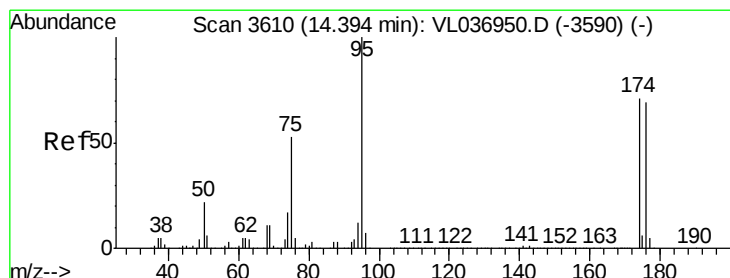
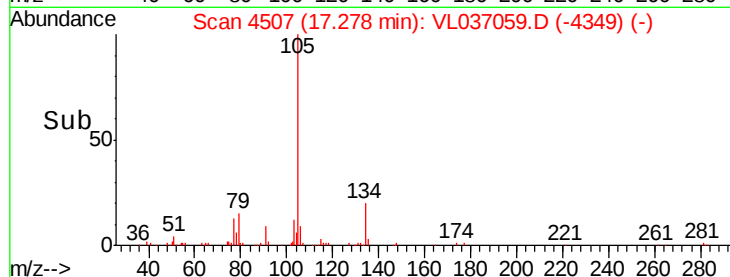
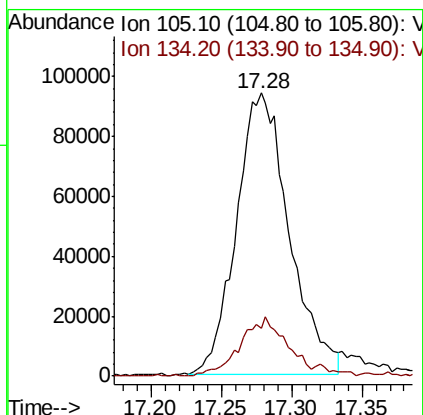
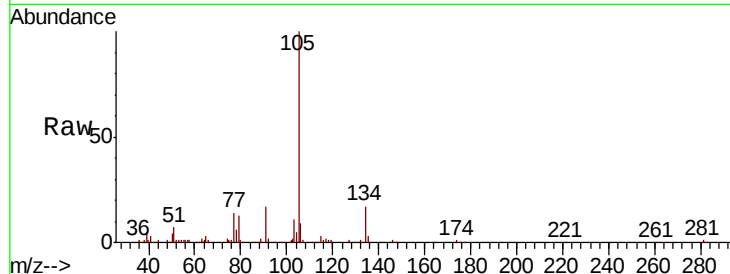




#67
 sec-Butylbenzene
 Concen: 0.410 ppbv
 RT: 17.28 min Scan# 4507
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

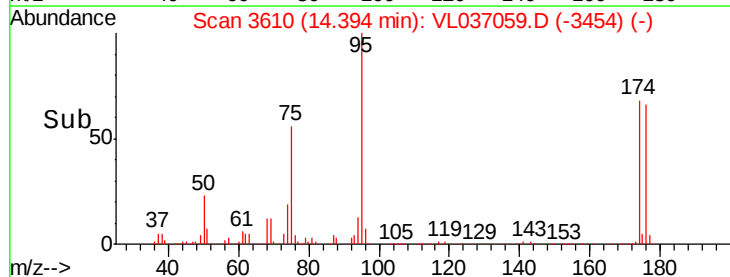
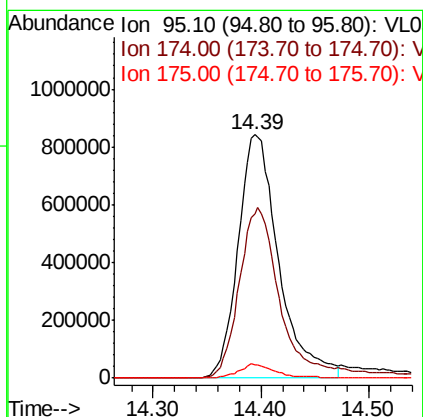
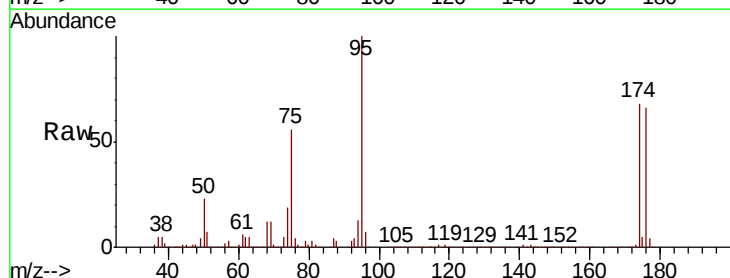
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

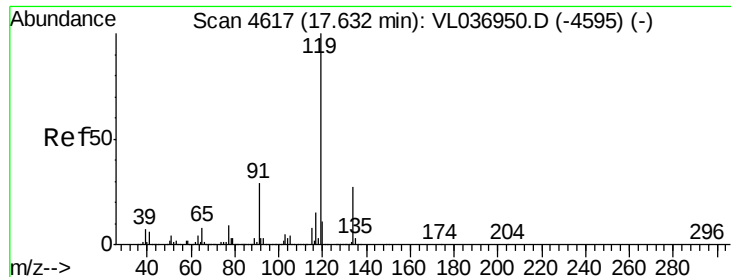
Tot Ion:105 Resp: 246468
 Ion Ratio Lower Upper
 105 100
 134 20.2 15.6 23.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.616 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion: 95 Resp: 2208302
 Ion Ratio Lower Upper
 95 100
 174 75.0 58.4 87.6
 175 5.4 4.4 6.6

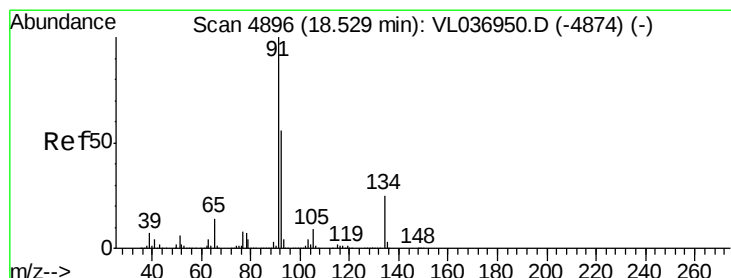
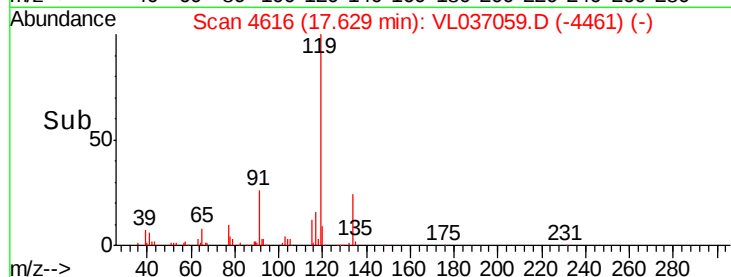
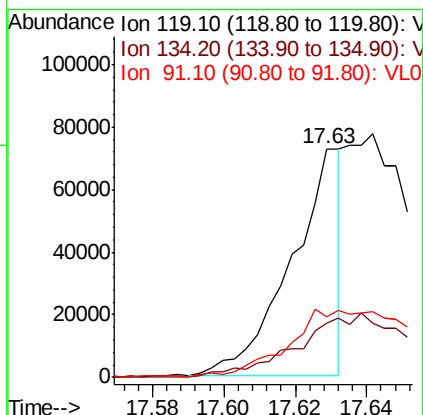
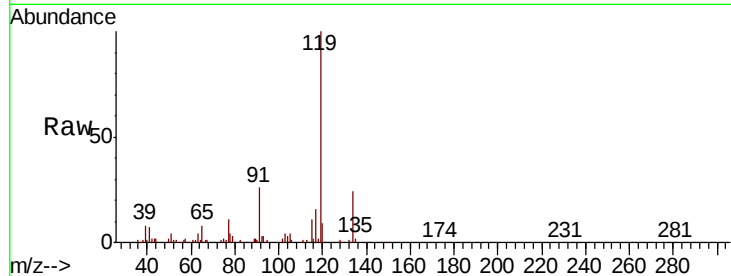




#69
p-Isopropyltoluene
Concen: 0.136 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

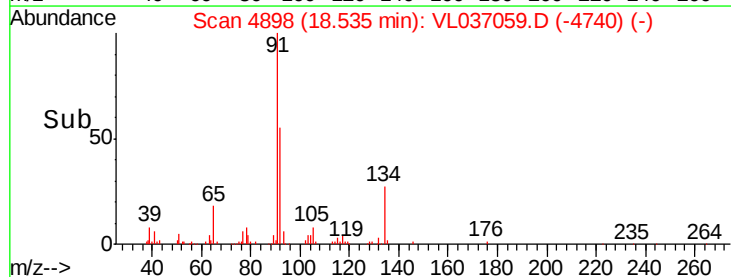
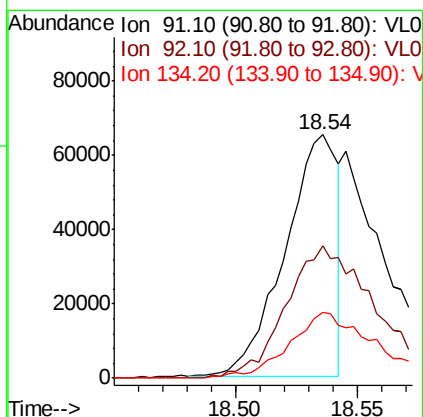
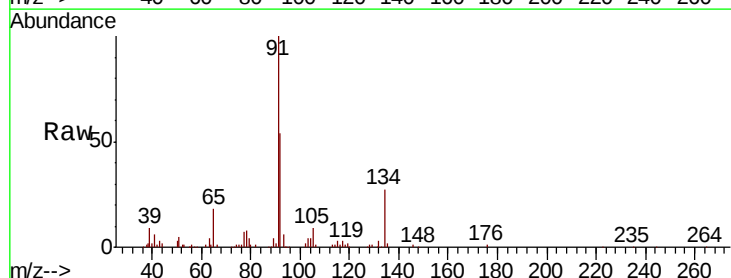
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

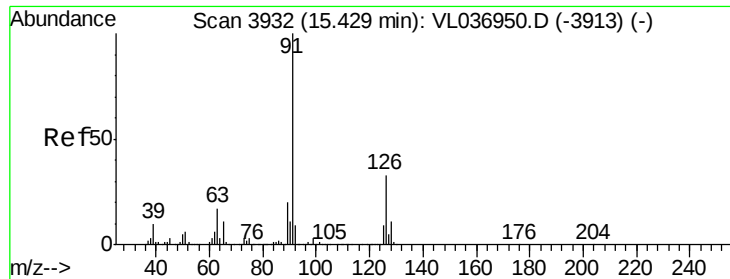
Tot Ion:119 Resp: 70471
Ion Ratio Lower Upper
119 100
134 0.0 21.2 31.8#
91 91.4 22.2 33.4#



#70
n-Butylbenzene
Concen: 0.197 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. 0.01 min
Lab File: VL037059.D
Acq: 25 May 2021 14:00

Tgt Ion: 91 Resp: 96719
Ion Ratio Lower Upper
91 100
92 99.3 44.6 66.8#
134 47.1 20.2 30.2#

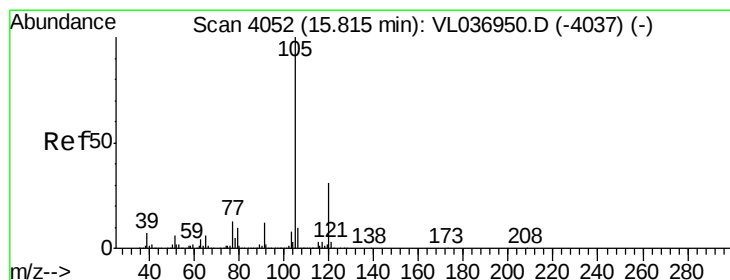
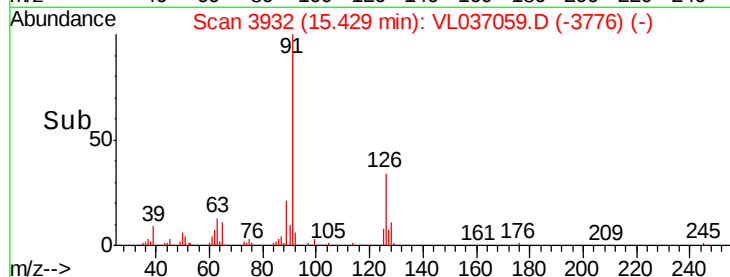
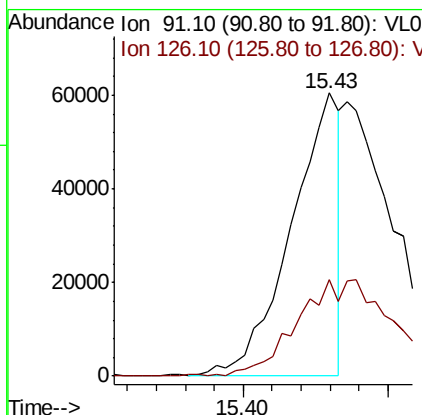
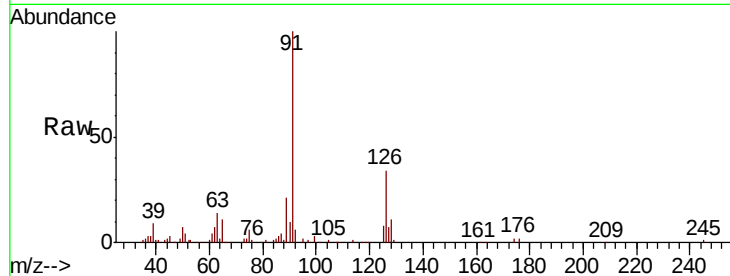




#71
 2-Chlorotoluene
 Concen: 0.199 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

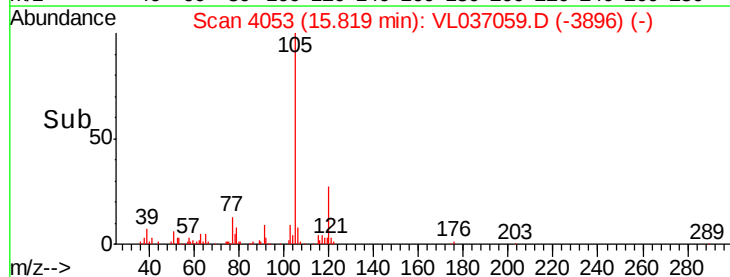
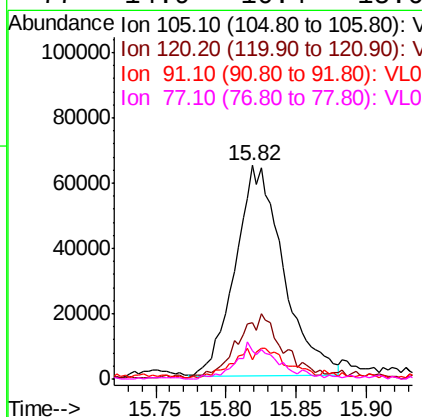
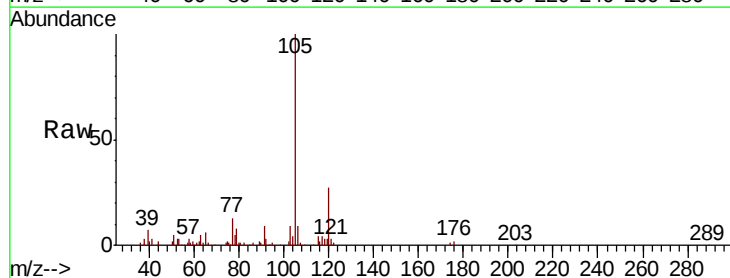
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

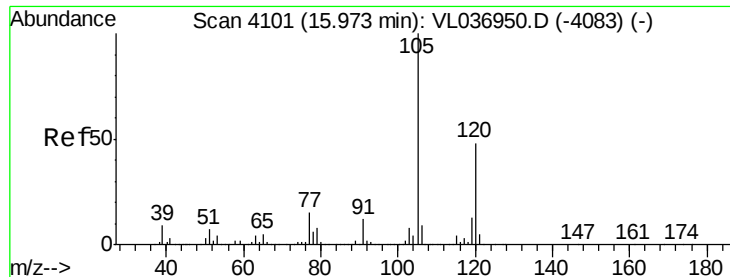
Tot Ion: 91 Resp: 70294
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.1 52.5#



#72
 4-Ethyltoluene
 Concen: 0.381 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion:105 Resp: 153854
 Ion Ratio Lower Upper
 105 100
 120 30.3 24.6 37.0
 91 17.2 9.8 14.6#
 77 14.9 10.4 15.6

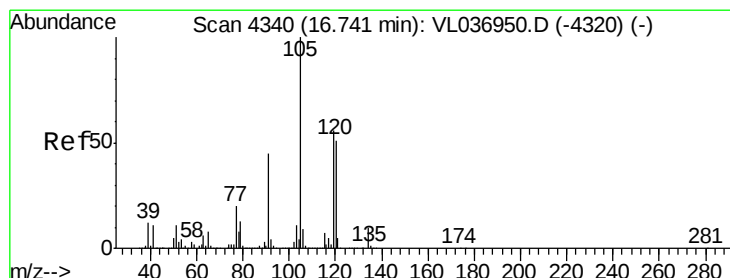
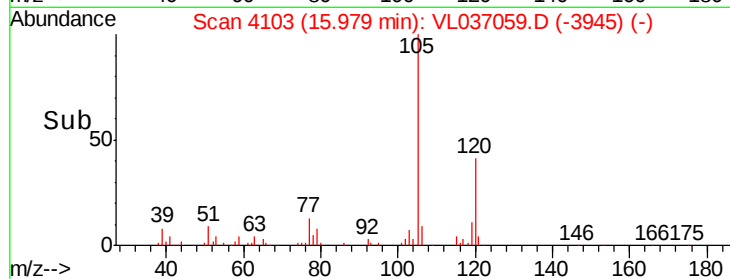
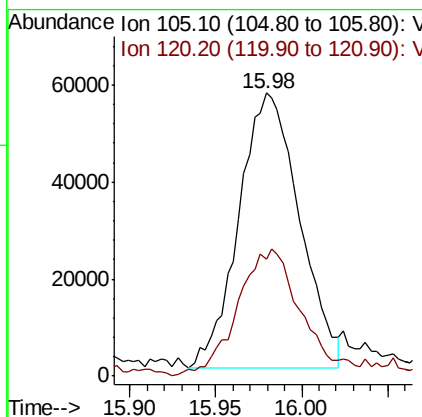
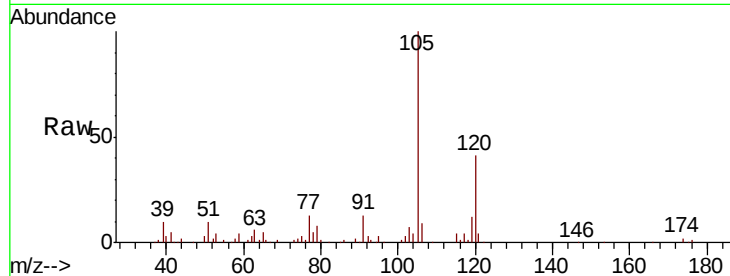




#73
 1,3,5-Trimethylbenzene
 Concen: 0.367 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

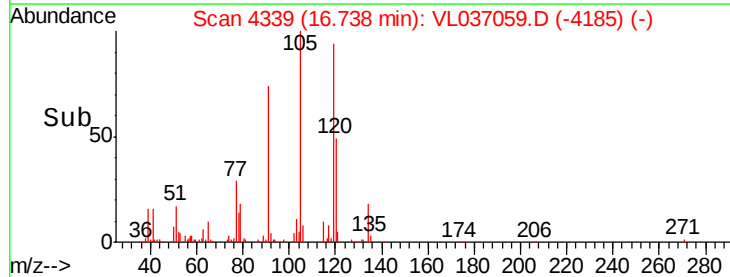
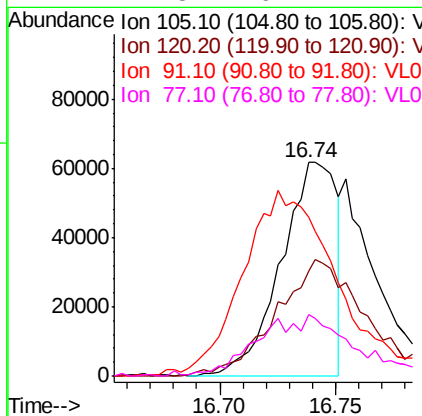
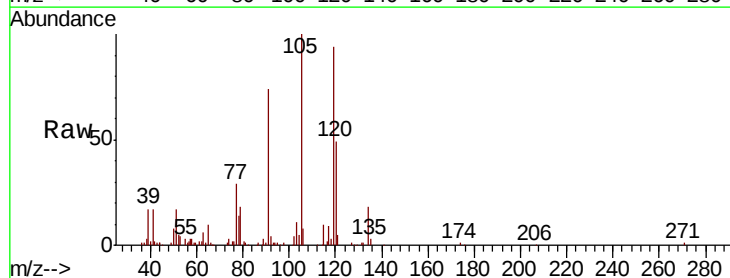
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

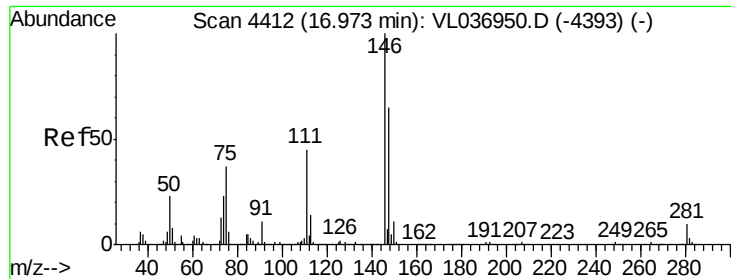
Tot Ion:105 Resp: 139137
 Ion Ratio Lower Upper
 105 100
 120 43.6 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.261 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion:105 Resp: 102263
 Ion Ratio Lower Upper
 105 100
 120 48.3 40.6 61.0
 91 70.5 37.4 56.0#
 77 27.8 16.2 24.4#





#75

1,3-Dichlorobenzene

Concen: 0.221 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

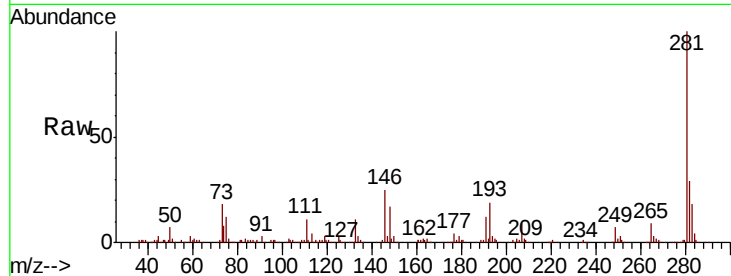
Tot Ion:146 Resp: 52882

Ion Ratio Lower Upper

146 100

111 0.0 22.2 66.6#

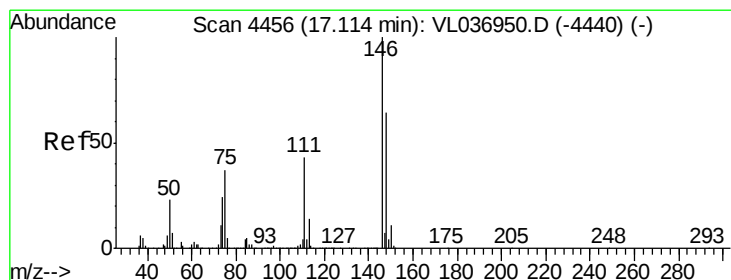
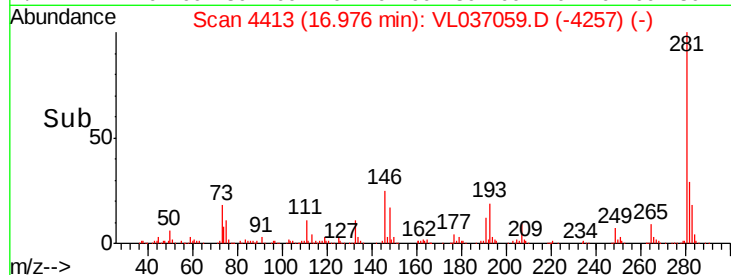
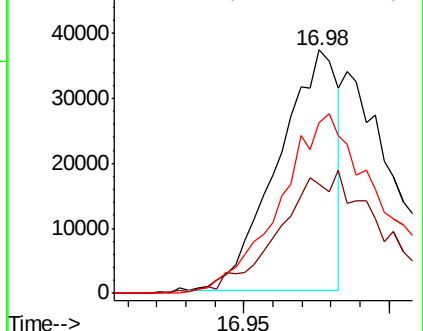
148 0.0 32.3 96.8#



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: 0.230 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

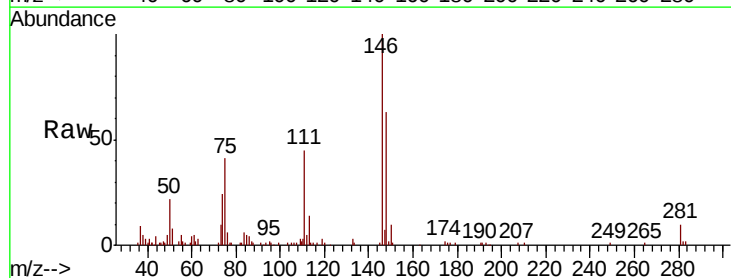
Tgt Ion:146 Resp: 55782

Ion Ratio Lower Upper

146 100

111 86.9 22.6 67.7#

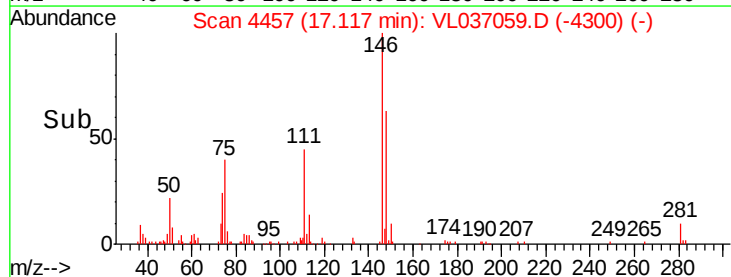
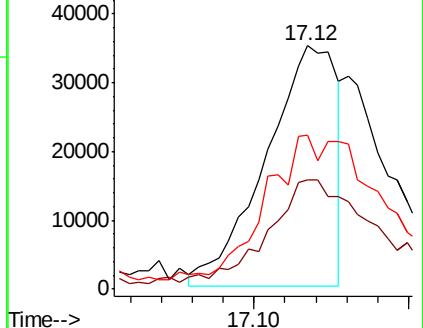
148 127.8 33.5 100.5#

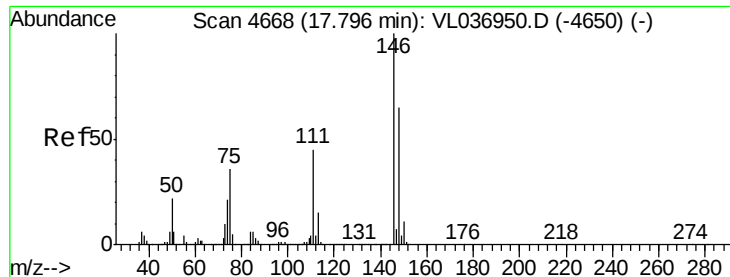


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

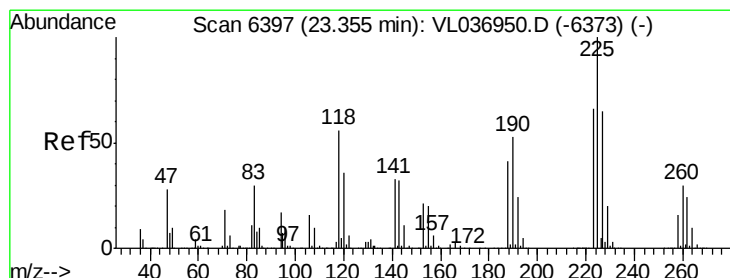
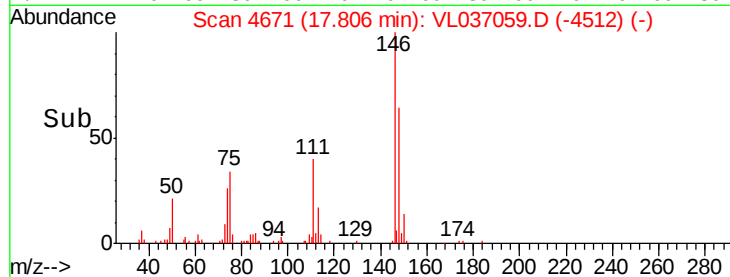
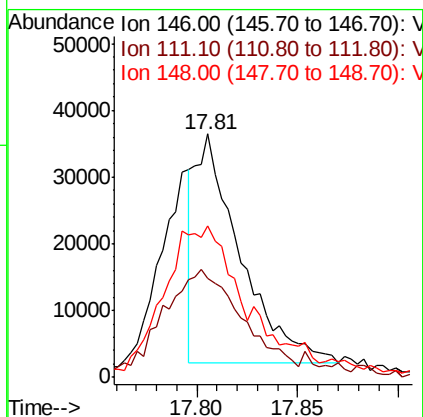
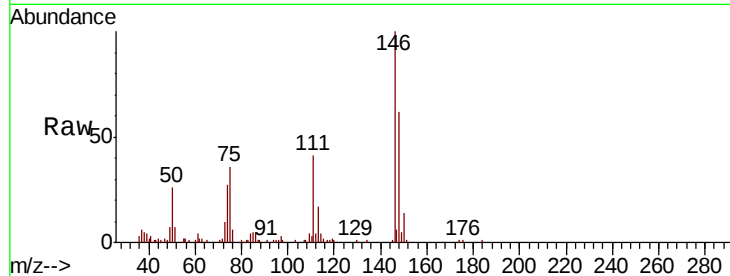




#77
 1,2-Dichlorobenzene
 Concen: 0.221 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. 0.01 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

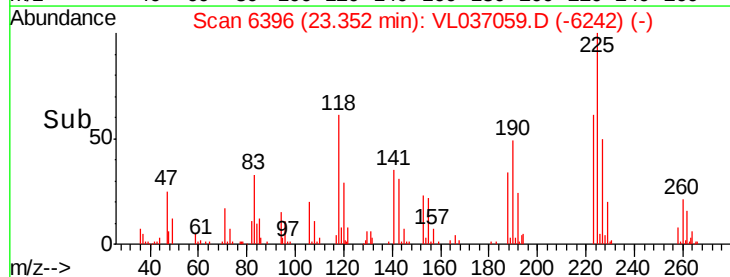
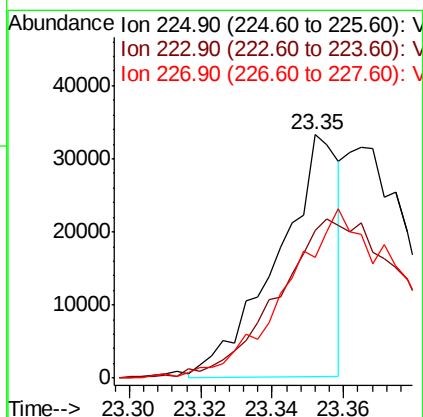
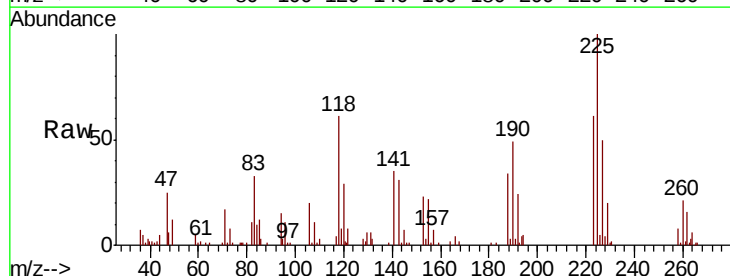
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

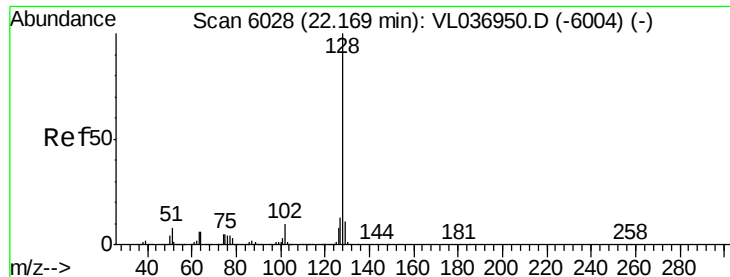
Tot Ion:146 Resp: 52923
 Ion Ratio Lower Upper
 146 100
 111 95.4 23.1 69.2#
 148 133.3 32.5 97.4#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.205 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL037059.D
 Acq: 25 May 2021 14:00

Tgt Ion:225 Resp: 39565
 Ion Ratio Lower Upper
 225 100
 223 143.3 51.9 77.9#
 227 144.8 51.8 77.6#





#79

Naphthalene

Concen: 0.128 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

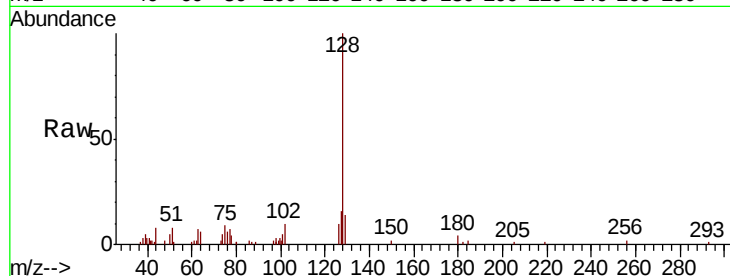
Tot Ion:128 Resp: 39229

Ion Ratio Lower Upper

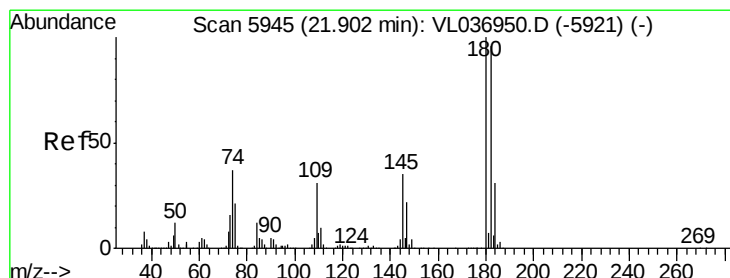
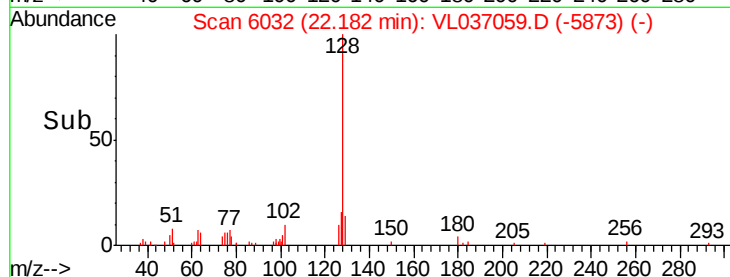
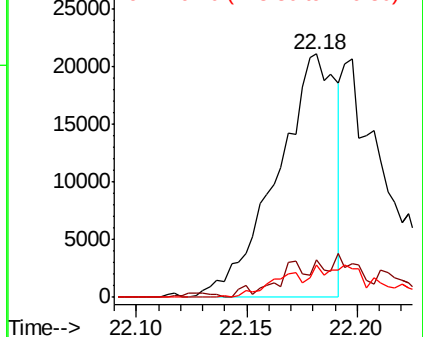
128 100

127 13.8 10.4 15.6

129 13.6 9.0 13.6#



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



#81

1,2,4-Trichlorobenzene

Concen: 0.123 ppbv

RT: 21.91 min Scan# 5947

Delta R.T. 0.01 min

Lab File: VL037059.D

Acq: 25 May 2021 14:00

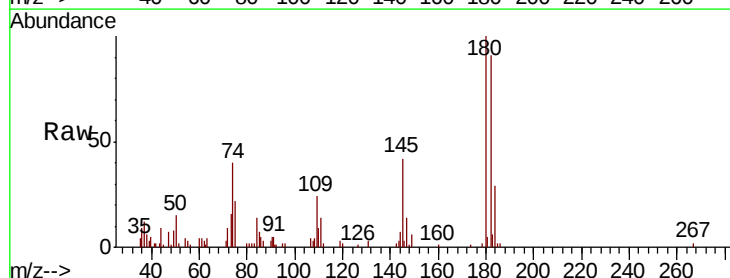
Tgt Ion:180 Resp: 23011

Ion Ratio Lower Upper

180 100

182 0.0 81.7 122.5#

184 0.0 24.9 37.3#



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

