

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036989.D
 Acq On : 19 May 2021 13:01
 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 20 06:27:48 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	5.64	49	1161120	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3444733	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3459026	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2589272	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	128158	0.651 ppbv	96
3) Chlorodifluoromethane	2.97	51	121434	0.571 ppbv	99
4) Chloromethane	3.12	50	41181	0.569 ppbv	97
5) Vinyl Chloride	3.24	62	39173	0.495 ppbv	99
6) Bromomethane	3.46	94	18864	0.452 ppbv #	75
7) Chloroethane	3.54	64	13827	0.538 ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	107356	0.580 ppbv	99
9) Propene	2.99	41	43115	0.566 ppbv	94
10) Heptane	8.10	43	87203	0.459 ppbv	94
11) Trichlorofluoromethane	3.93	101	99388	0.545 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	66182	0.510 ppbv	89
13) Ethanol	3.61	45	2562	0.252 ppbv #	35
14) Bromoethene	3.72	108	27435	0.480 ppbv #	82
15) Acetone	3.86	43	71405	0.600 ppbv #	68
16) 1,3-Butadiene	3.31	39	35185	0.476 ppbv	94
18) 1,1-Dichloroethene	4.27	96	23823	0.397 ppbv	94
20) Methylene Chloride	4.32	84	37580	0.589 ppbv	97
21) Allyl Chloride	4.39	41	43928	0.490 ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	27241	0.473 ppbv	92
23) Vinyl Acetate	5.07	43	60421	0.320 ppbv #	97
24) 1,1-Dichloroethane	4.99	63	74379	0.547 ppbv	96
25) Ethyl Acetate	5.67	43	129007	0.451 ppbv #	98
26) Hexane	5.66	57	73963	0.507 ppbv	89
27) Carbon Disulfide	4.53	76	56293	0.383 ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	81638	0.467 ppbv	98
29) Chloroform	5.72	83	110757	0.537 ppbv	95
30) Cyclohexane	7.10	84	29779	0.240 ppbv #	1
31) cis-1,2-Dichloroethene	5.53	61	58672	0.448 ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	91007	0.411 ppbv #	88
34) 2-Butanone	5.25	43	48618	0.388 ppbv #	62
35) Carbon Tetrachloride	6.99	117	92755	0.405 ppbv	91
36) Benzene	6.86	78	141883	0.478 ppbv	99
37) 1,2-Dichloroethane	6.28	62	76922	0.523 ppbv	99
38) Trichloroethene	7.81	130	29154	0.230 ppbv	88
39) 1,2-Dichloropropane	7.58	63	46544	0.407 ppbv	93
41) Tetrahydrofuran	6.06	42	12754	0.179 ppbv #	28
42) Bromodichloromethane	7.76	83	42877	0.193 ppbv	88
43) Methyl Methacrylate	8.00	69	33770	0.330 ppbv #	71
44) 2,2,4-Trimethylpentane	7.84	57	146738	0.288 ppbv #	59
45) t-1,3-Dichloropropene	9.27	75	3870	0.050 ppbv	94
46) cis-1,3-Dichloropropene	8.67	75	11585	0.110 ppbv	95

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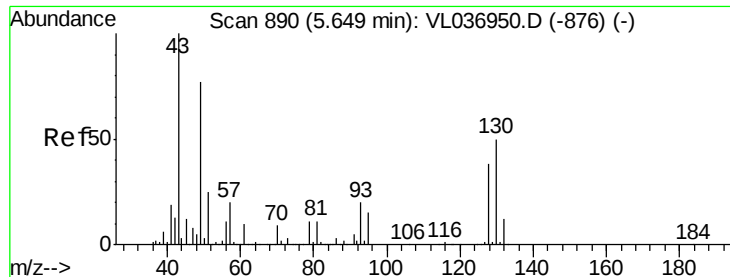
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

47) 1,1,2-Trichloroethane	9.45	97	55266	0.462	ppbv	94
48) Dibromochloromethane	10.28	129	35576	0.184	ppbv #	4
49) Bromoform	13.01	173	52298	0.327	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	86369	0.417	ppbv	93
51) 2-Hexanone	10.15	43	28268	0.258	ppbv #	65
52) Tetrachloroethene	11.19	164	60636	0.514	ppbv	96
53) Toluene	9.78	91	156656	0.444	ppbv	97
54) 1,2-Dibromoethane	10.58	107	41780	0.246	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	9977	0.069	ppbv #	1
57) Chlorobenzene	12.12	112	136782	0.510	ppbv #	93
58) Ethyl Benzene	12.69	91	241334	0.494	ppbv	95
59) m/p-Xylene	12.97	91	222365	0.551	ppbv #	41
60) o-Xylene	13.66	91	193549	0.503	ppbv	100
61) Styrene	13.50	104	86722	0.400	ppbv	92
62) Isopropylbenzene	14.64	105	284240	0.514	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	72059	0.251	ppbv #	29
64) n-propylbenzene	15.54	120	65384	0.458	ppbv #	65
65) tert-Butylbenzene	16.72	119	254265	0.509	ppbv	98
66) Benzyl Chloride	16.72	91	191049	6.899	ppbv #	62
67) sec-Butylbenzene	17.27	105	343028	0.504	ppbv	98
69) p-Isopropyltoluene	17.63	119	278638	0.476	ppbv	98
70) n-Butylbenzene	18.53	91	243814	0.438	ppbv	98
71) 2-Chlorotoluene	15.42	91	199291	0.499	ppbv	98
72) 4-Ethyltoluene	15.82	105	218073	0.477	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	195148	0.455	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	213640	0.482	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	130929	0.483	ppbv	95
76) 1,4-Dichlorobenzene	17.11	146	115753	0.423	ppbv	87
77) 1,2-Dichlorobenzene	17.79	146	116100	0.428	ppbv	86
78) Hexachloro-1,3-Butadiene	23.35	225	81248	0.372	ppbv #	69
79) Naphthalene	22.18	128	54686	0.157	ppbv	100
80) Naphthalene,2-methyl-	25.00	142	6187	0.082	ppbv #	53
81) 1,2,4-Trichlorobenzene	21.91	180	84394	0.398	ppbv	93

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

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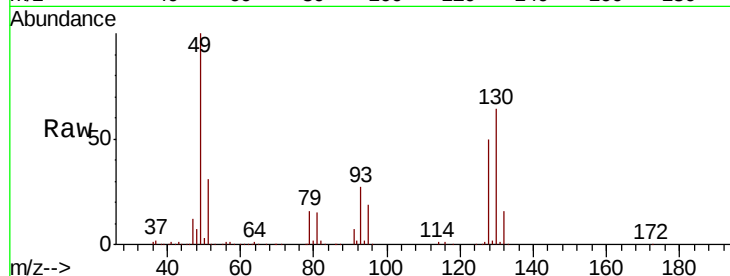
Tot Ion: 49 Resp: 1161120

Ion Ratio Lower Upper

49 100

128 54.6 26.9 80.7

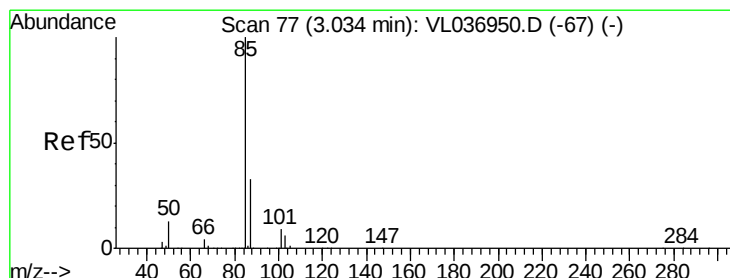
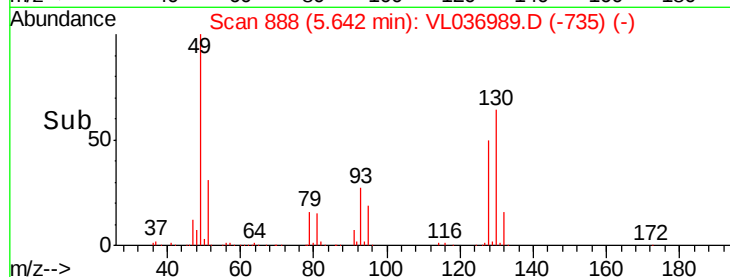
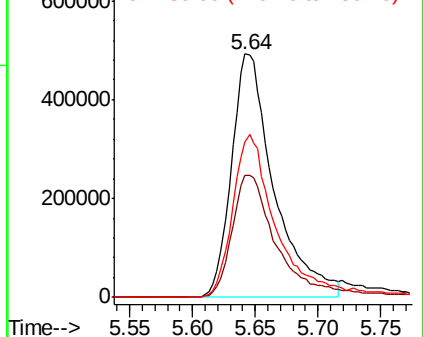
130 71.8 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.651 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036989.D

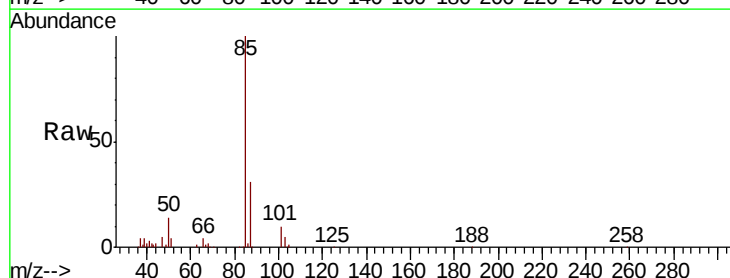
Acq: 19 May 2021 13:01

Tgt Ion: 85 Resp: 128158

Ion Ratio Lower Upper

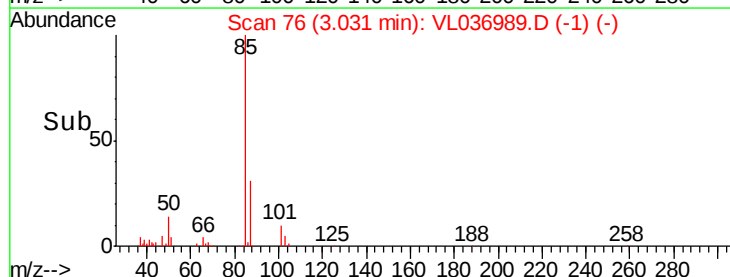
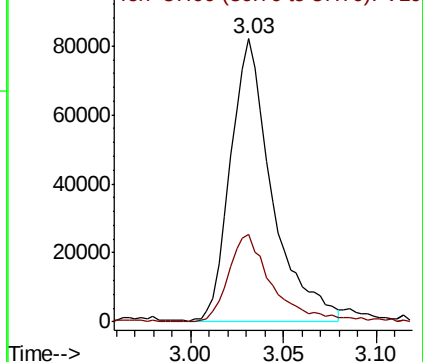
85 100

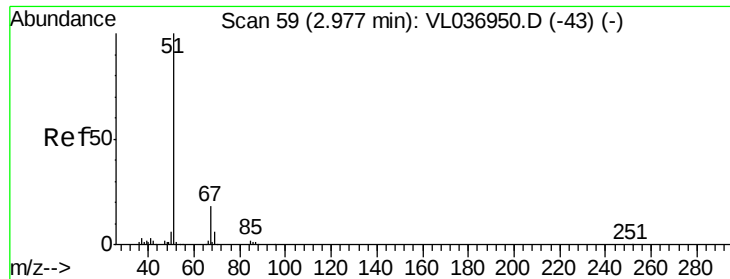
87 30.8 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.571 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

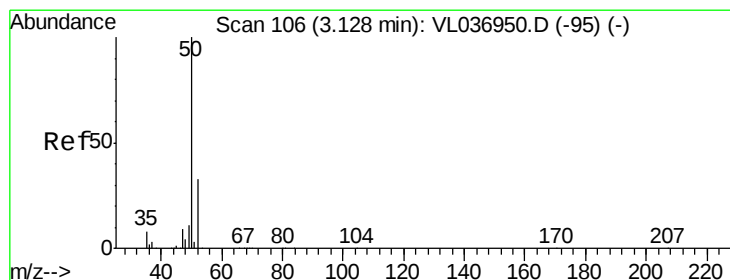
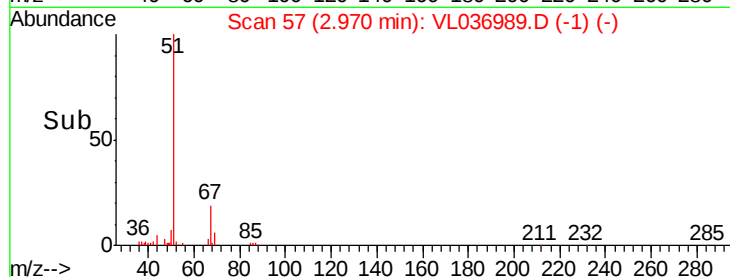
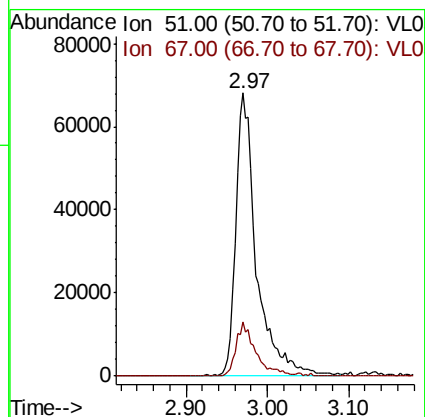
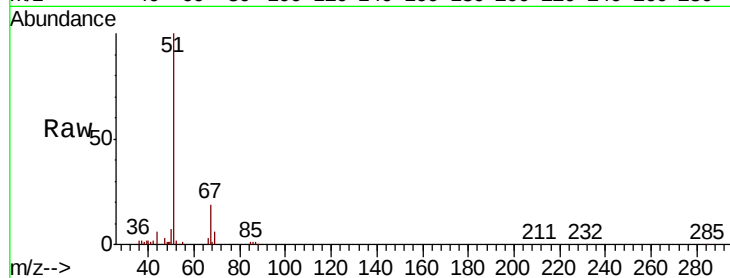
MDL-AIR-03-QT2-2021

Tot Ion: 51 Resp: 121434

Ion Ratio Lower Upper

51 100

67 18.8 14.6 21.8



#4

Chloromethane

Concen: 0.569 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036989.D

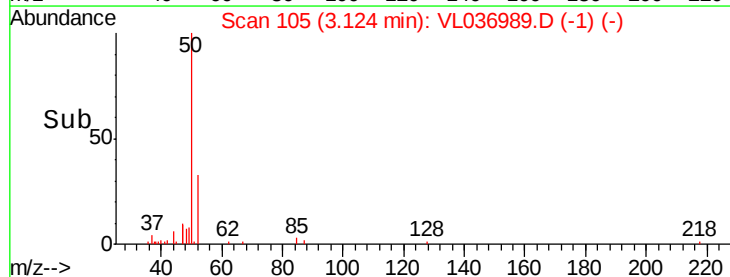
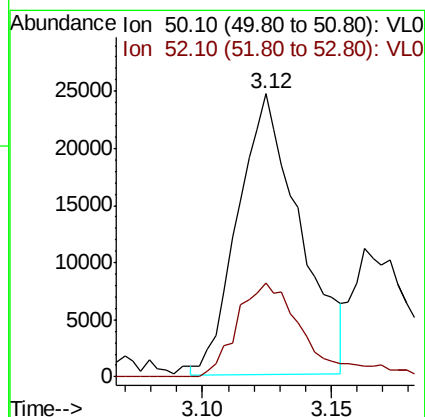
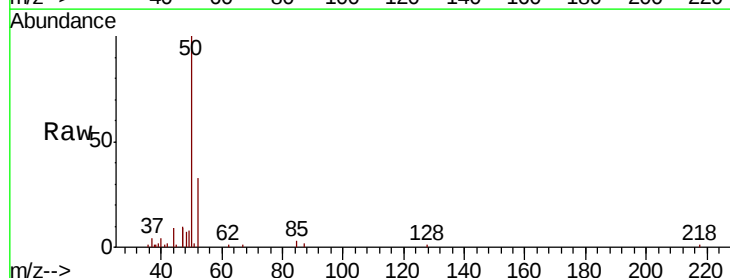
Acq: 19 May 2021 13:01

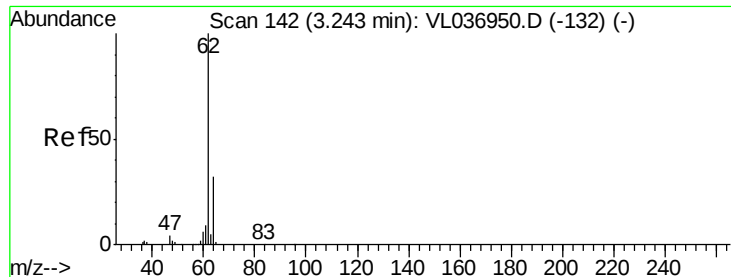
Tgt Ion: 50 Resp: 41181

Ion Ratio Lower Upper

50 100

52 34.3 26.1 39.1





#5

Vinyl Chloride

Concen: 0.495 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

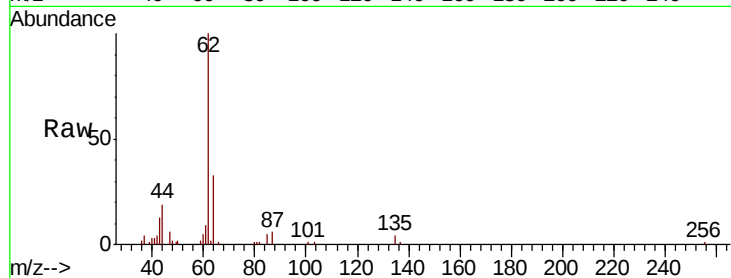
MDL-AIR-03-QT2-2021

Tot Ion: 62 Resp: 39173

Ion Ratio Lower Upper

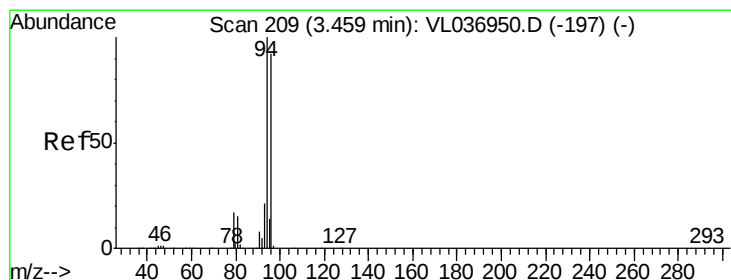
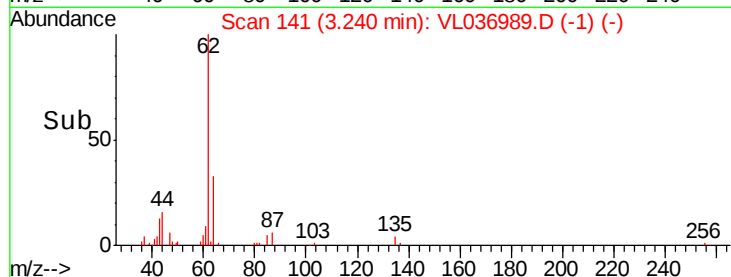
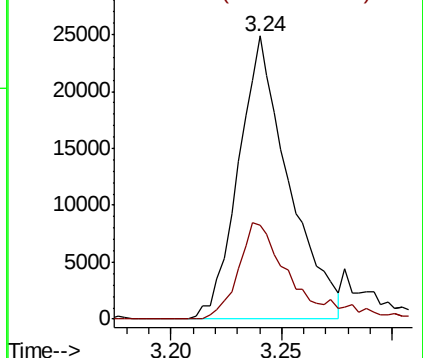
62 100

64 33.1 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: 0.452 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036989.D

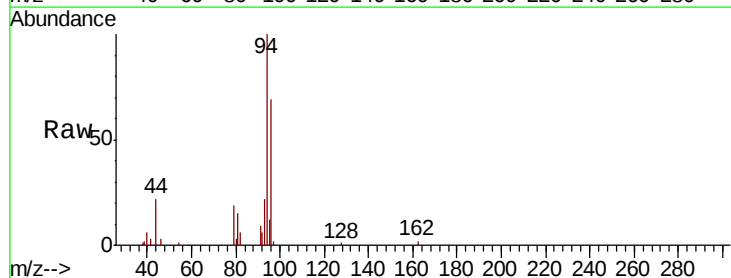
Acq: 19 May 2021 13:01

Tgt Ion: 94 Resp: 18864

Ion Ratio Lower Upper

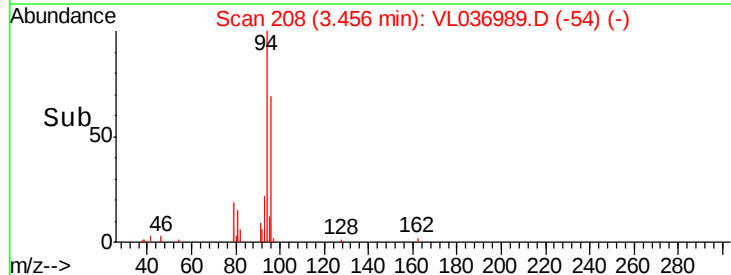
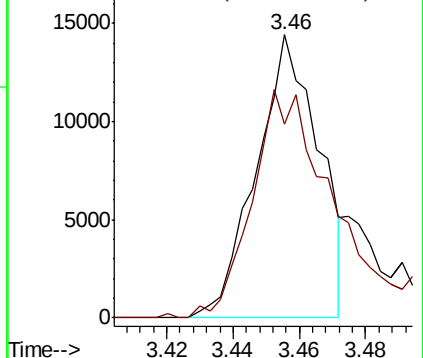
94 100

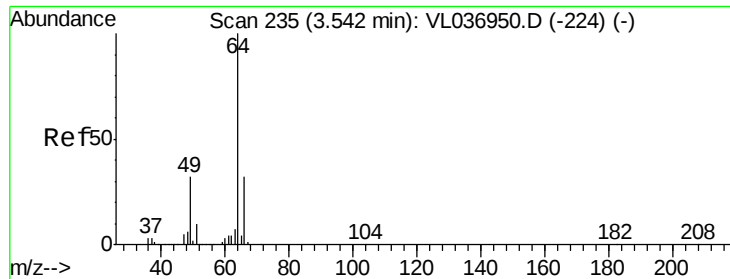
96 68.6 74.0 111.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.538 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

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ClientSampleId :

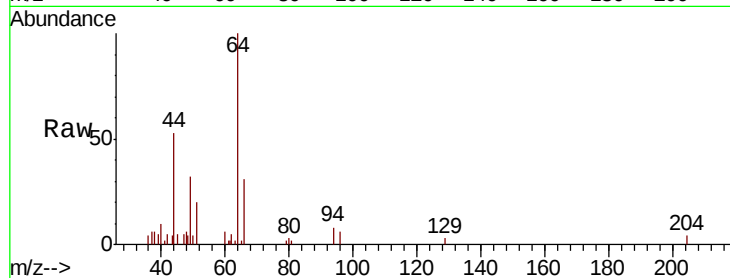
MDL-AIR-03-QT2-2021

Tot Ion: 64 Resp: 13827

Ion Ratio Lower Upper

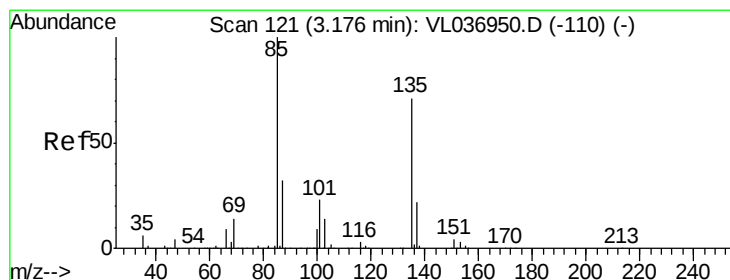
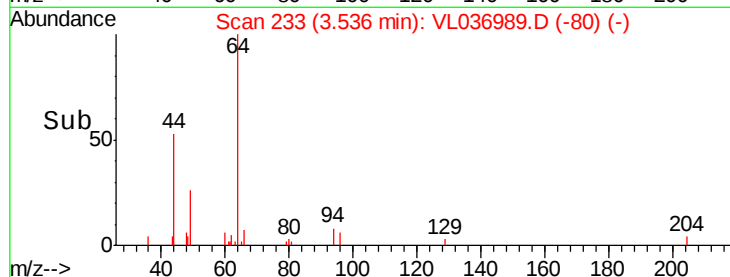
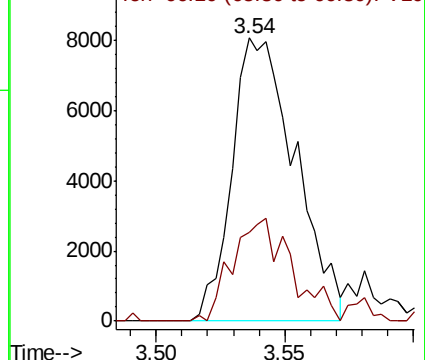
64 100

66 31.4 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.580 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036989.D

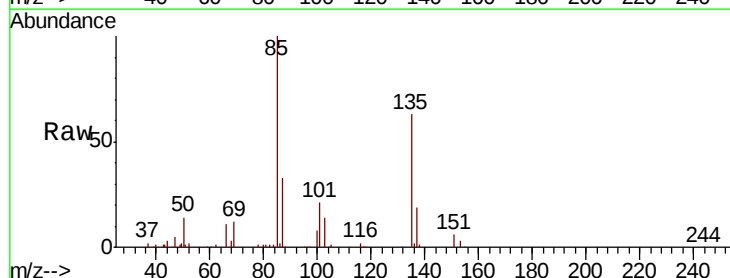
Acq: 19 May 2021 13:01

Tgt Ion: 85 Resp: 107356

Ion Ratio Lower Upper

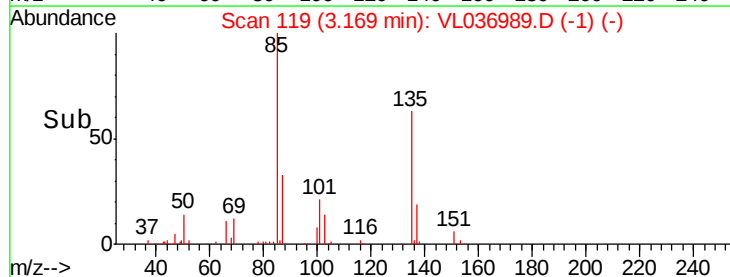
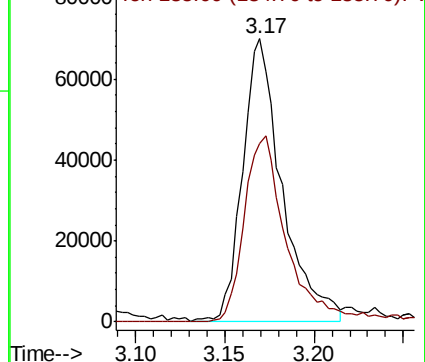
85 100

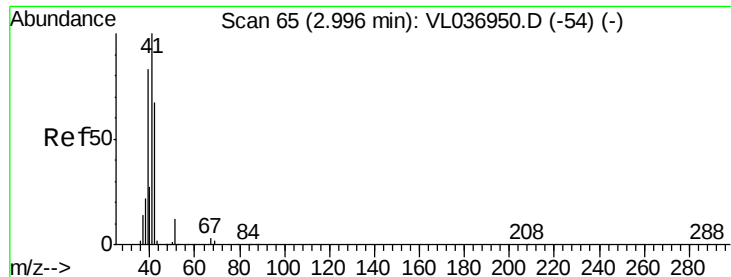
135 72.8 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.566 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

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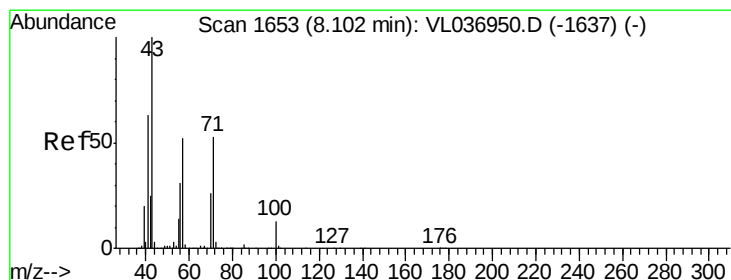
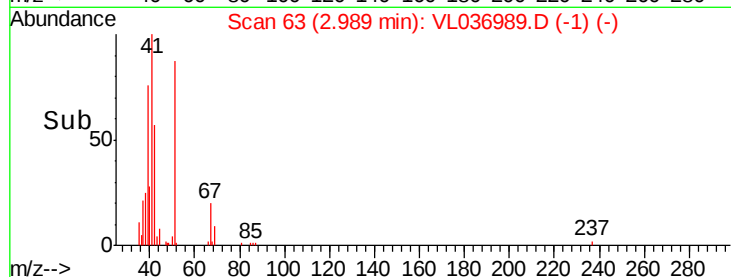
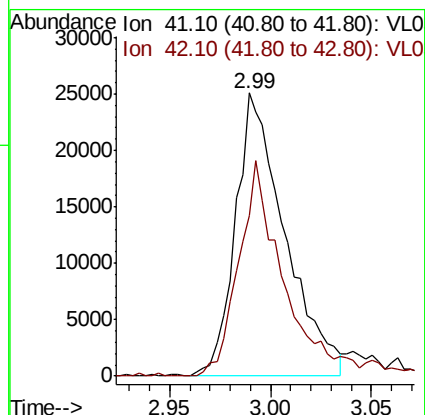
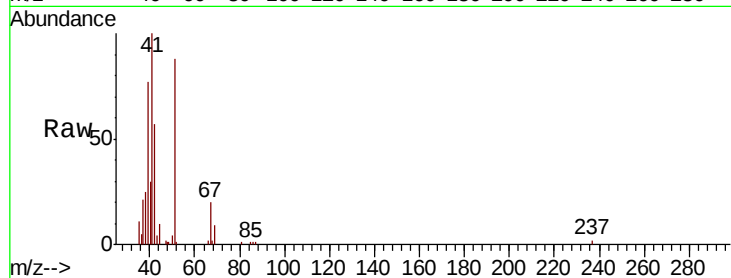
MDL-AIR-03-QT2-2021

Tot Ion: 41 Resp: 43115

Ion Ratio Lower Upper

41 100

42 71.9 53.9 80.9



#10

Heptane

Concen: 0.459 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL036989.D

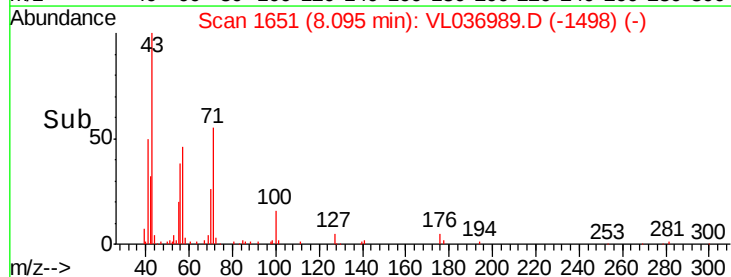
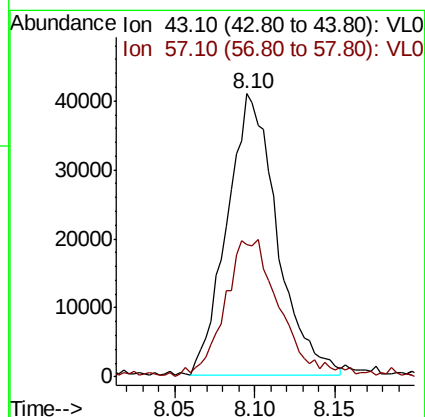
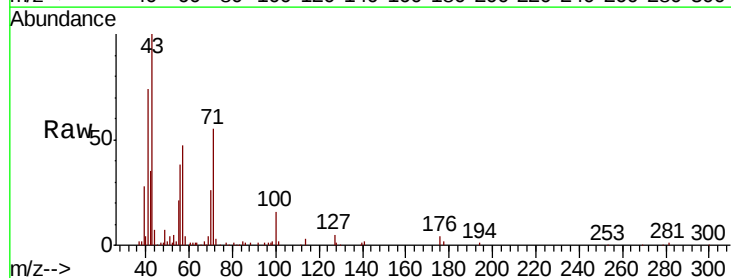
Acq: 19 May 2021 13:01

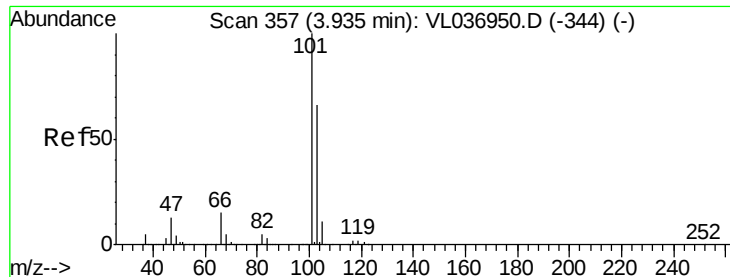
Tgt Ion: 43 Resp: 87203

Ion Ratio Lower Upper

43 100

57 55.6 41.0 61.6

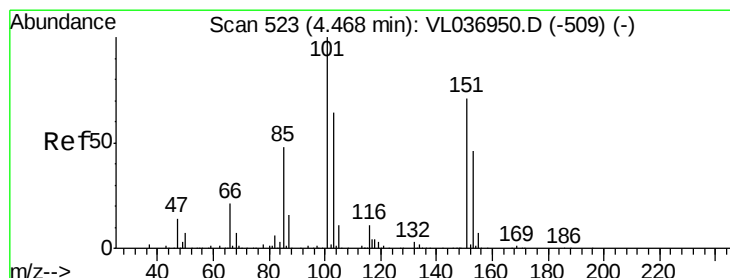
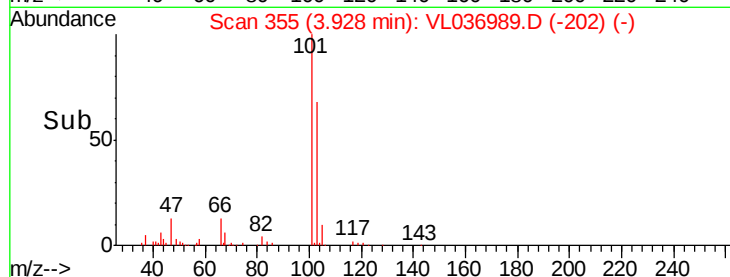
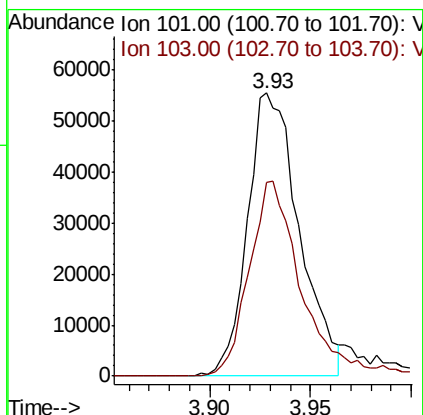
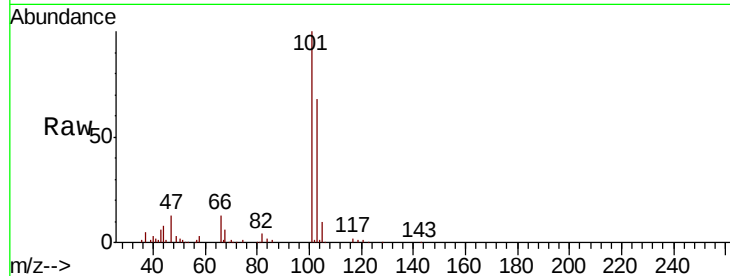




#11
 Trichlorofluoromethane
 Concen: 0.545 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

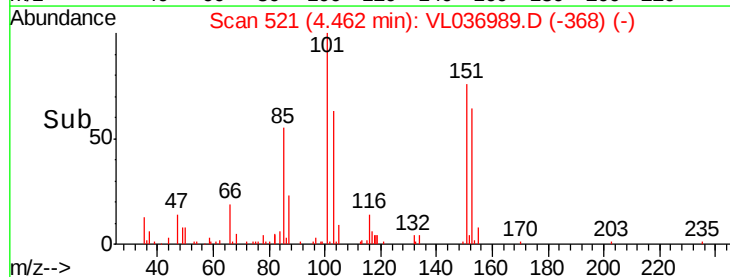
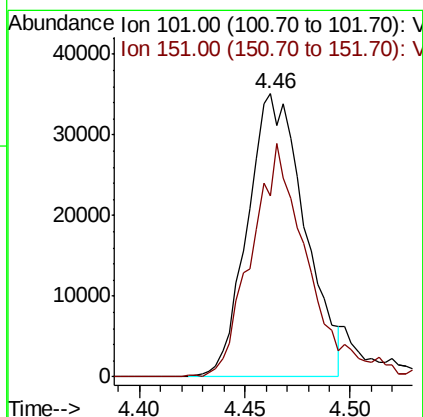
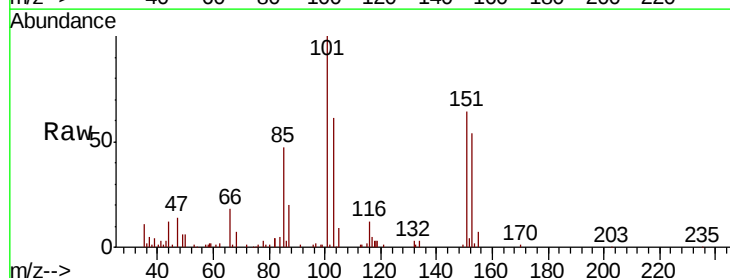
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

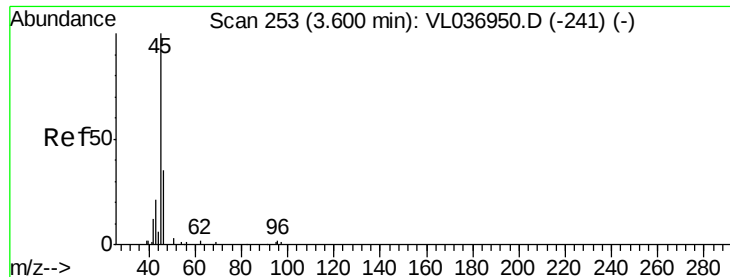
Tot Ion:101 Resp: 99388
 Ion Ratio Lower Upper
 101 100
 103 68.4 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.510 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion:101 Resp: 66182
 Ion Ratio Lower Upper
 101 100
 151 81.3 57.7 86.5





#13

Ethanol

Concen: 0.252 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

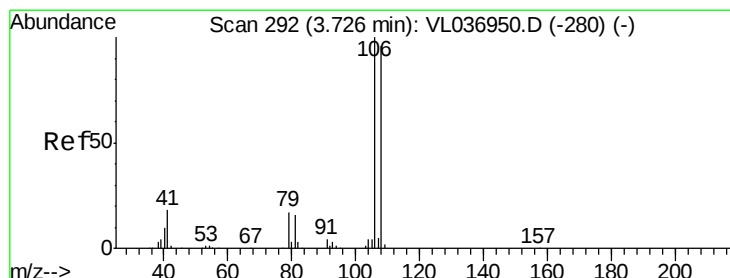
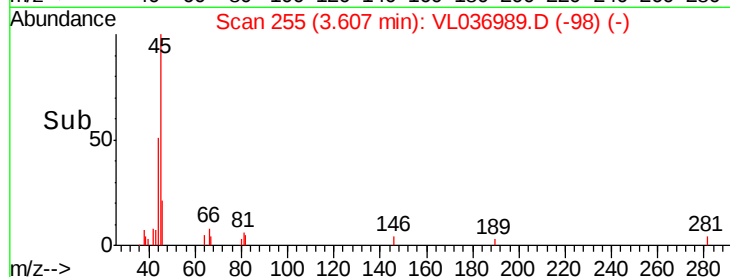
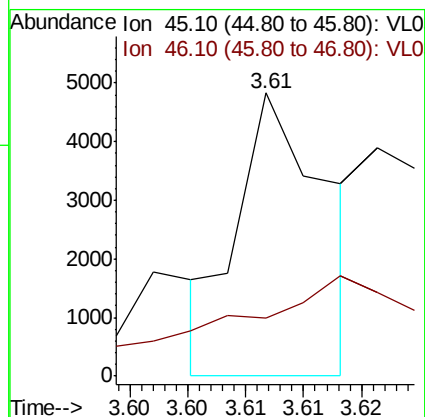
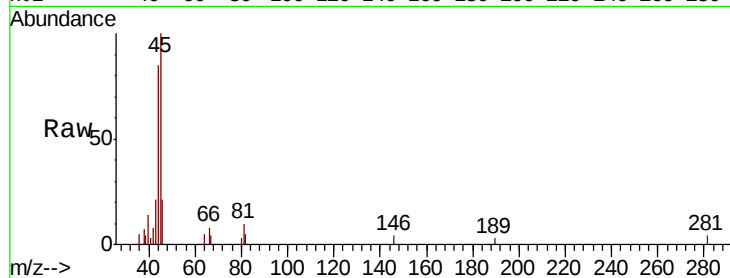
MDL-AIR-03-QT2-2021

Tot Ion: 45 Resp: 2562

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.3#



#14

Bromoethene

Concen: 0.480 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

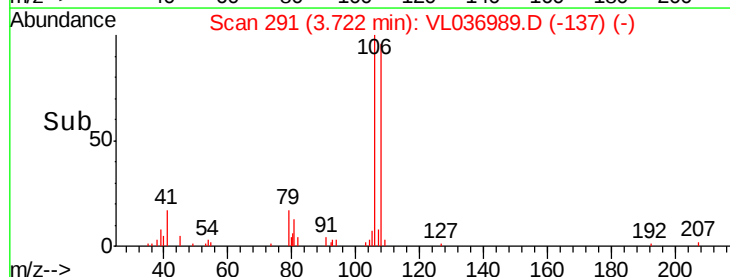
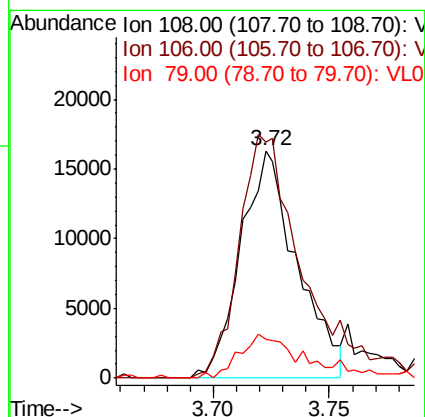
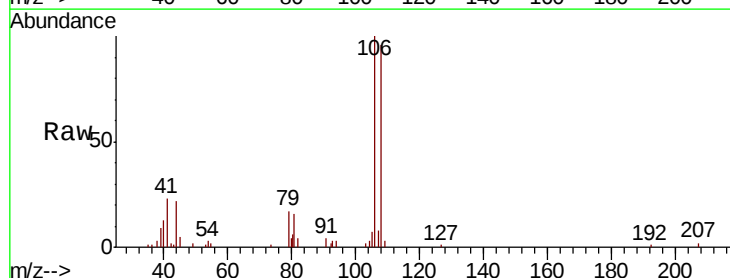
Tgt Ion: 108 Resp: 27435

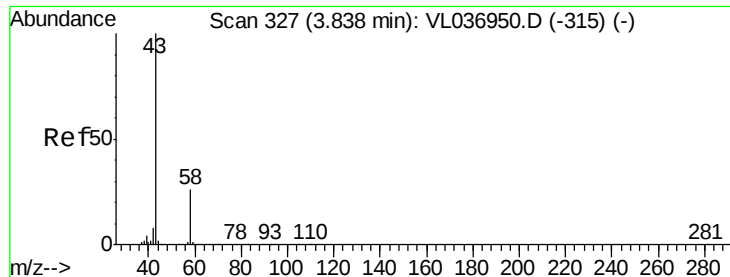
Ion Ratio Lower Upper

108 100

106 127.7 86.5 129.7

79 24.4 15.0 22.4#





#15

Acetone

Concen: 0.600 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

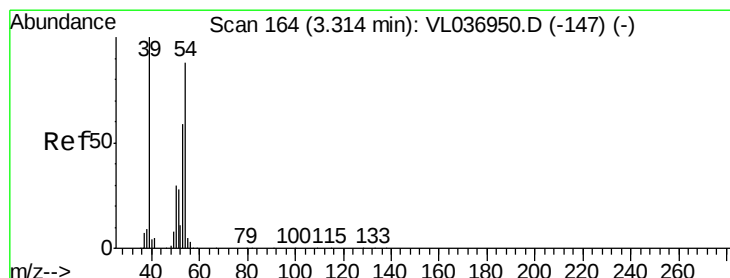
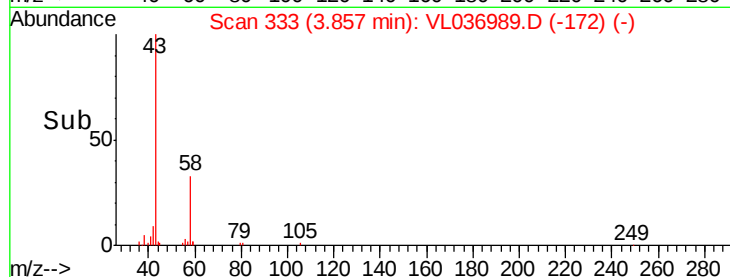
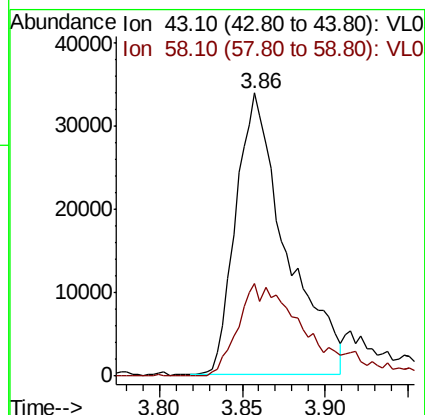
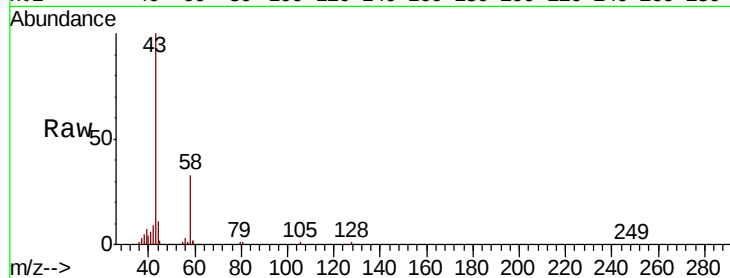
MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 71405

Ion Ratio Lower Upper

43 100

58 47.3 24.0 36.0#



#16

1,3-Butadiene

Concen: 0.476 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL036989.D

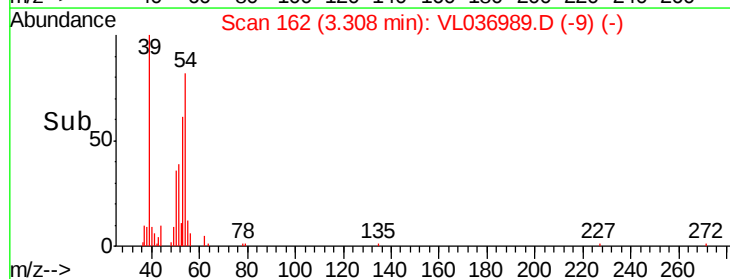
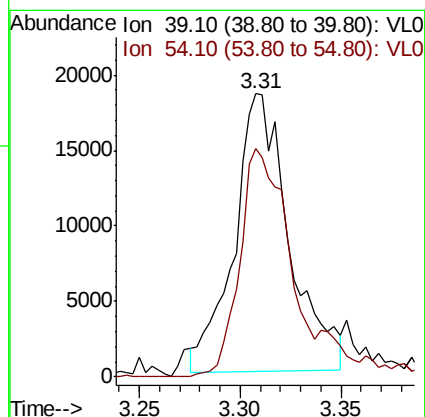
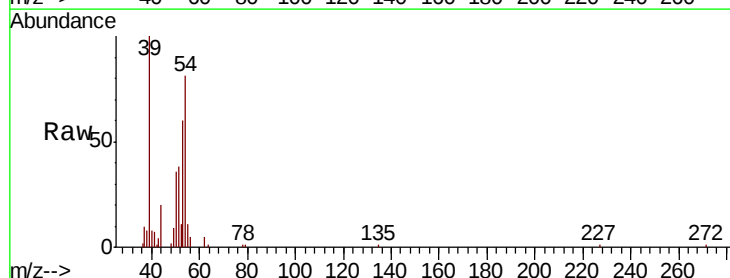
Acq: 19 May 2021 13:01

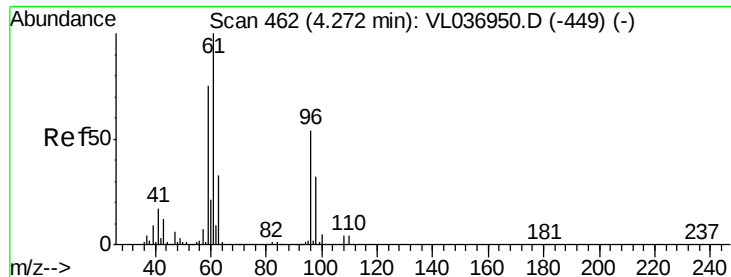
Tgt Ion: 39 Resp: 35185

Ion Ratio Lower Upper

39 100

54 84.6 63.2 94.8





#18

1,1-Dichloroethene

Concen: 0.397 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

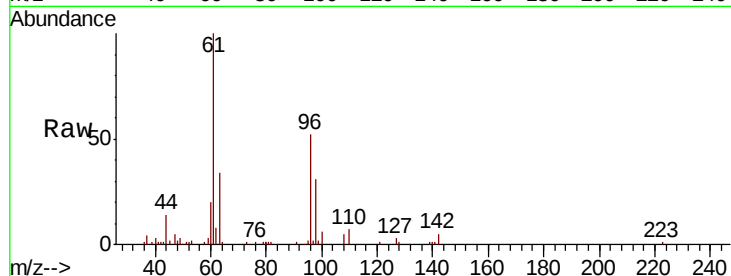
Tot Ion: 96 Resp: 23823

Ion Ratio Lower Upper

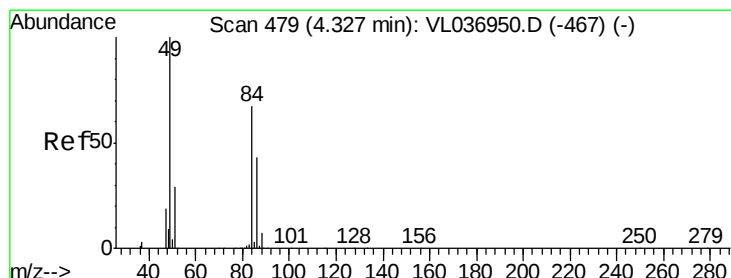
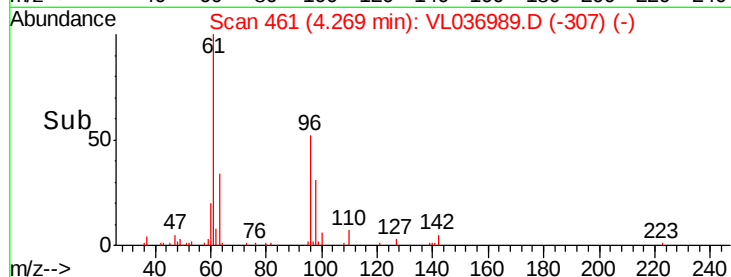
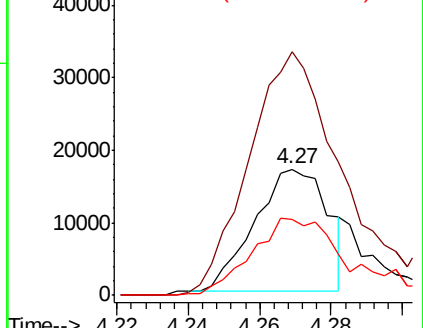
96 100

61 196.7 148.2 222.4

98 60.5 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



#20

Methylene Chloride

Concen: 0.589 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Tgt Ion: 84 Resp: 37580

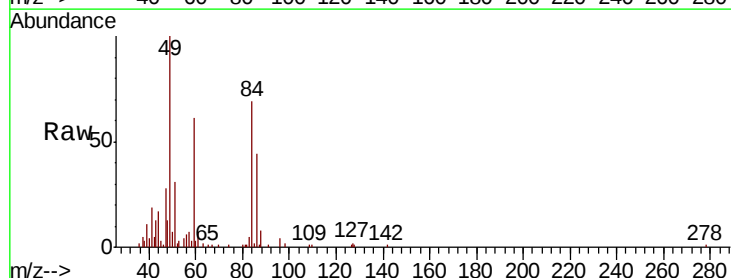
Ion Ratio Lower Upper

84 100

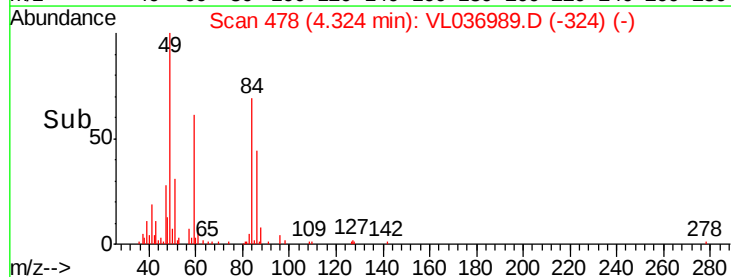
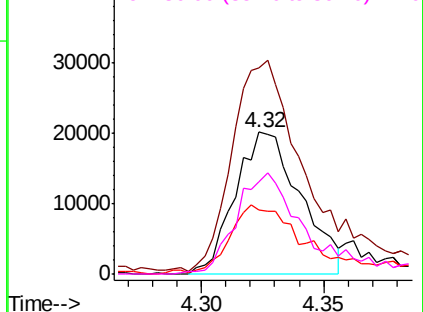
49 144.0 119.8 179.6

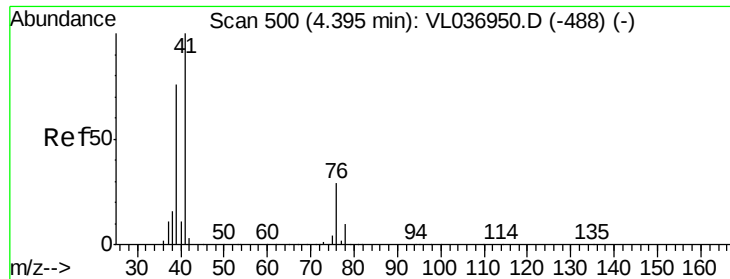
51 43.8 35.1 52.7

86 62.9 50.9 76.3



Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 0.490 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

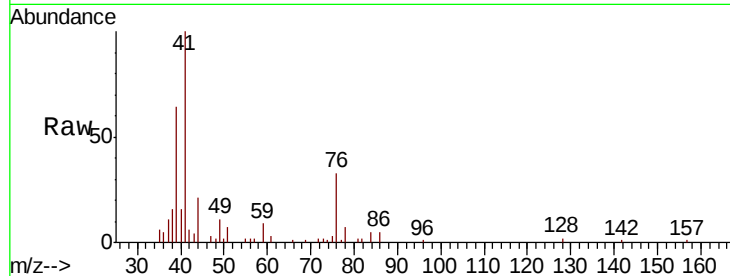
Tot Ion: 41 Resp: 43928

Ion Ratio Lower Upper

41 100

76 29.7 24.9 37.3

39 84.3 63.7 95.5

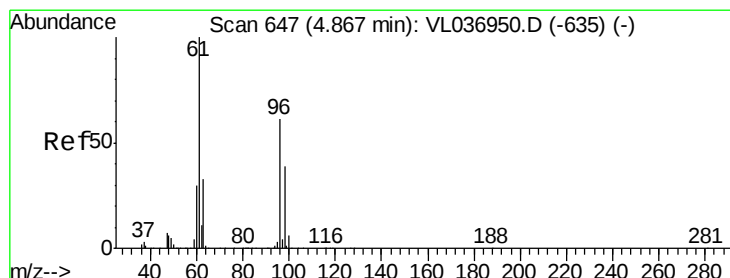
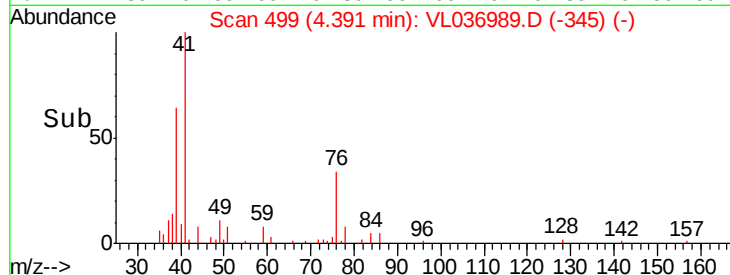
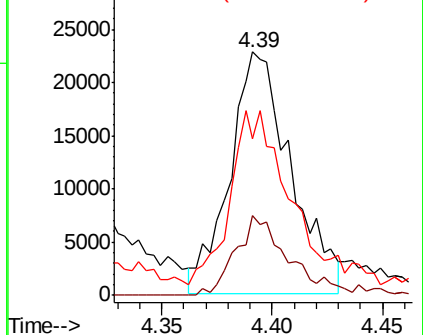


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.473 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

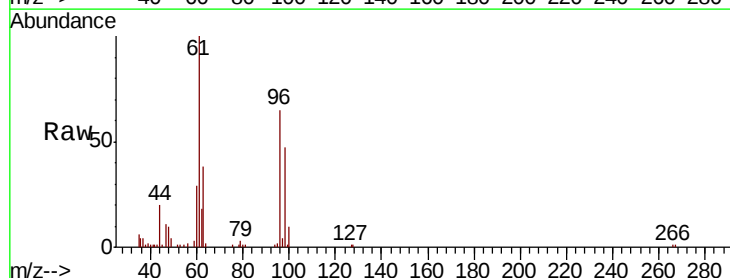
Tgt Ion: 96 Resp: 27241

Ion Ratio Lower Upper

96 100

61 154.7 130.6 196.0

98 73.0 50.8 76.2

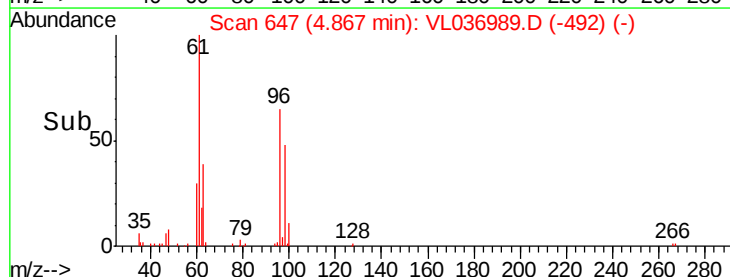
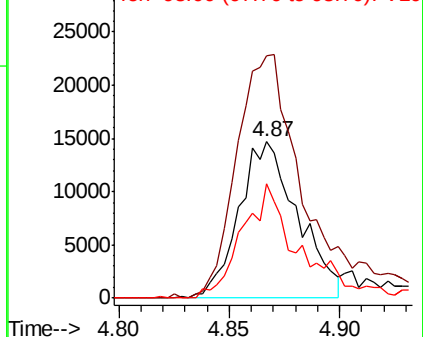


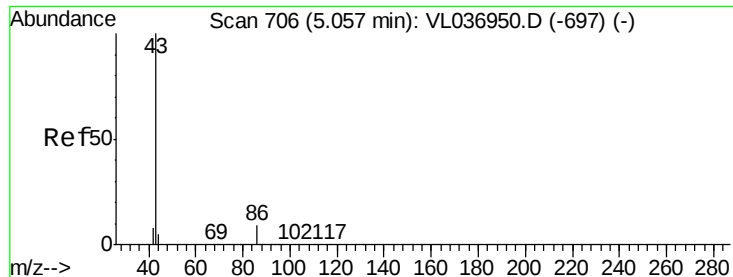
Abundance

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: 0.320 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 43 Resp: 60421

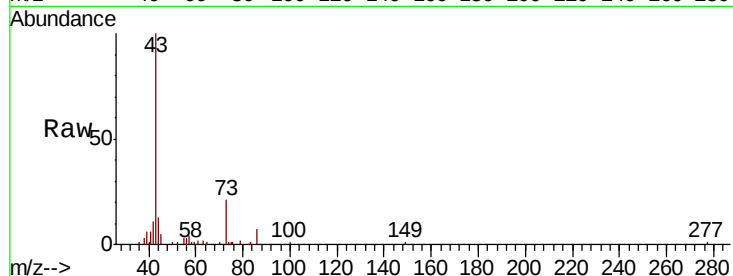
Ion Ratio Lower Upper

43 100

86 8.5 5.8 8.8

42 10.1 7.4 11.2

44 5.9 3.3 4.9#

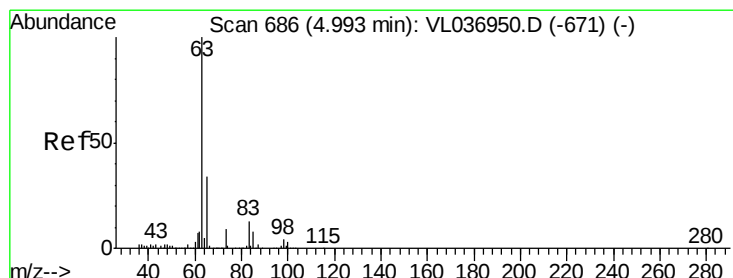
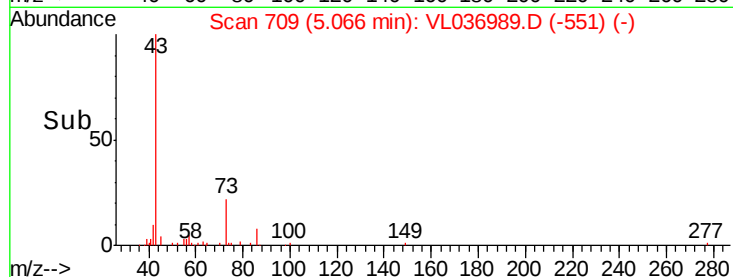
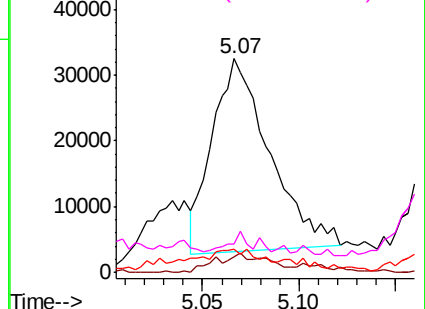


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.547 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

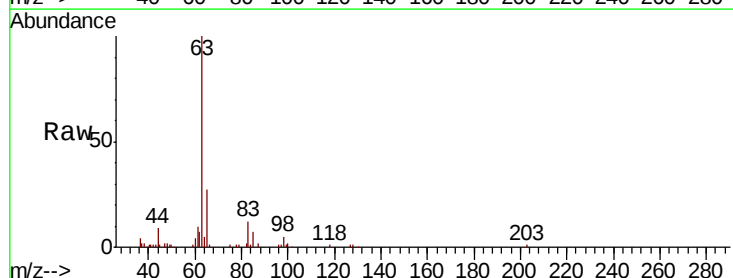
Tgt Ion: 63 Resp: 74379

Ion Ratio Lower Upper

63 100

98 2.8 2.3 6.9

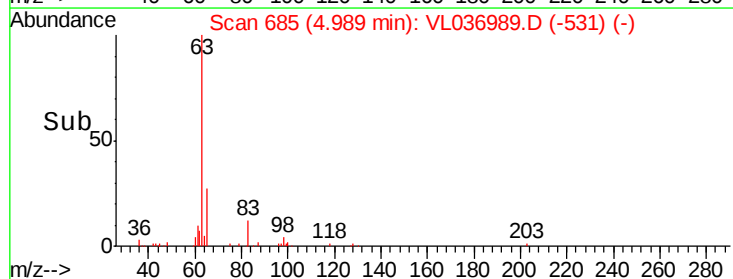
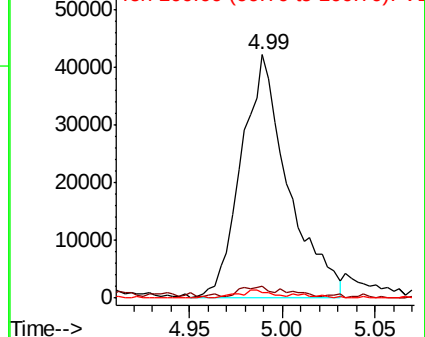
100 2.5 1.4 4.0

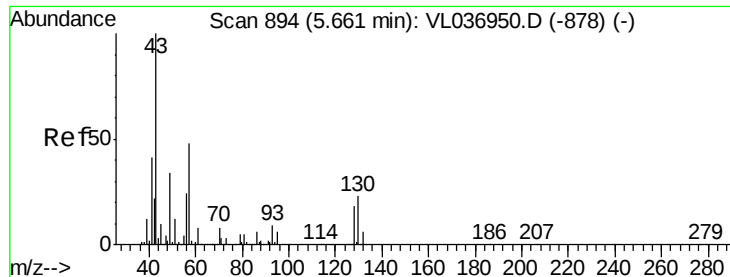


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

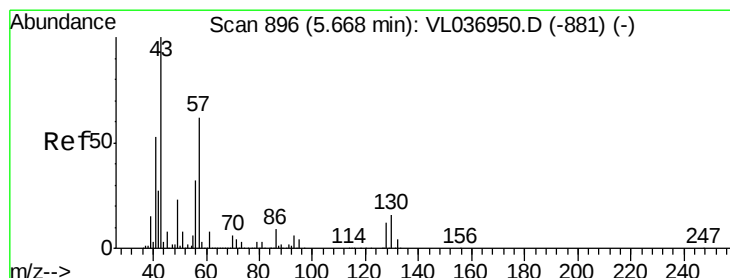
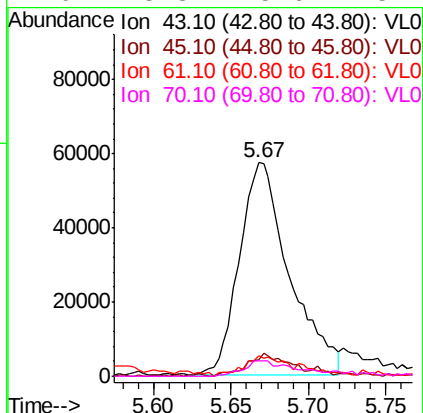
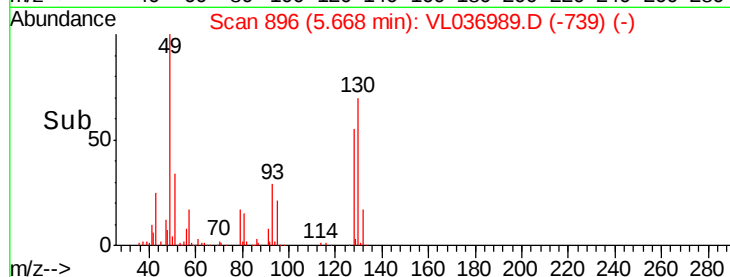
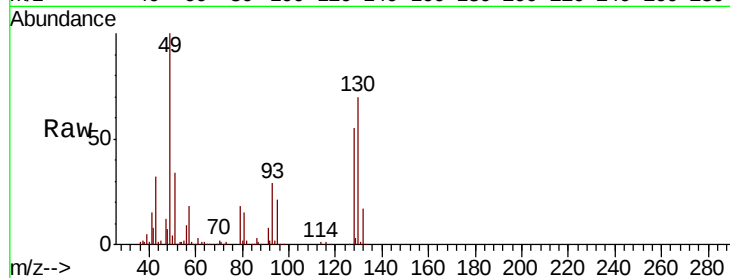




#25
Ethyl Acetate
Concen: 0.451 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

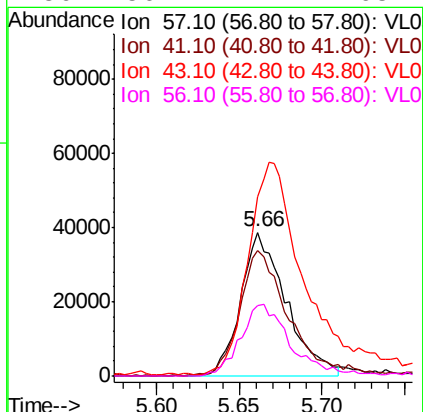
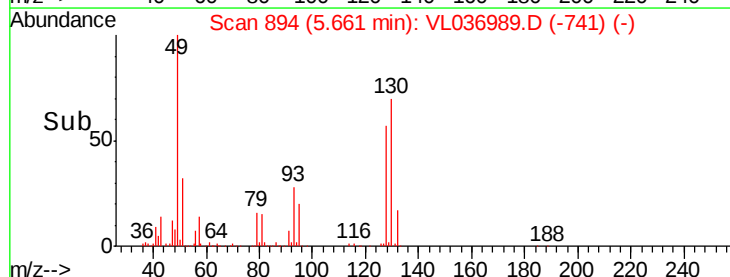
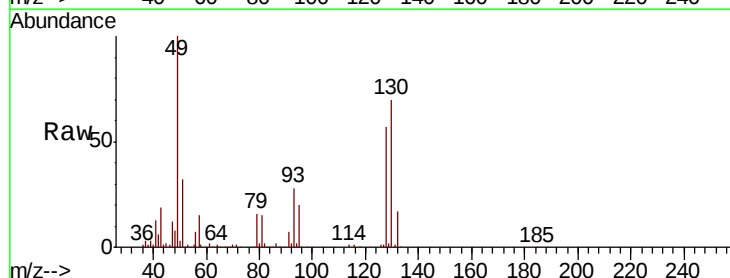
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

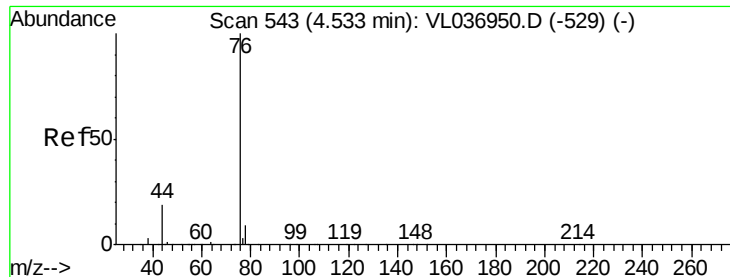
Tot Ion:	43	Resp:	129007
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.8	11.8
61	10.4	7.8	11.8
70	8.8	5.6	8.4#



#26
Hexane
Concen: 0.507 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion:	57	Resp:	73963
Ion	Ratio	Lower	Upper
57	100		
41	97.0	70.5	105.7
43	187.8	165.8	248.8
56	56.2	42.2	63.4





#27

Carbon Disulfide

Concen: 0.383 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

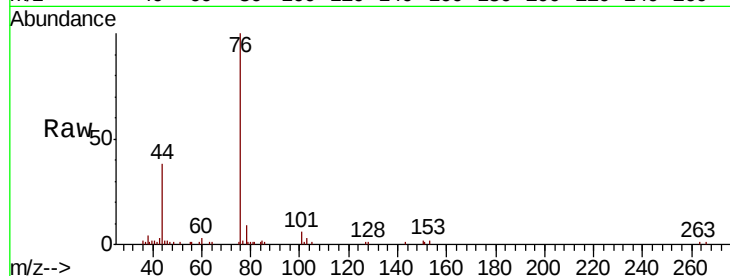
Tot Ion: 76 Resp: 56293

Ion Ratio Lower Upper

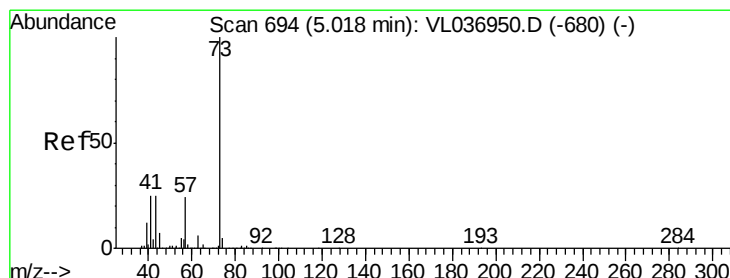
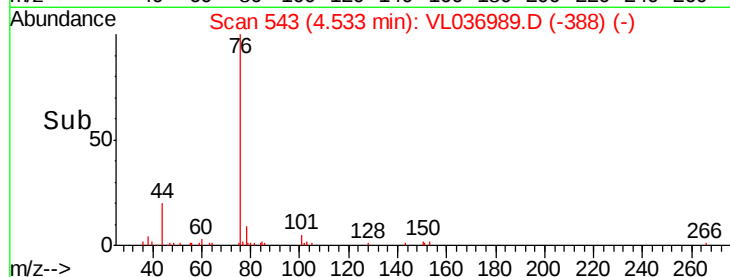
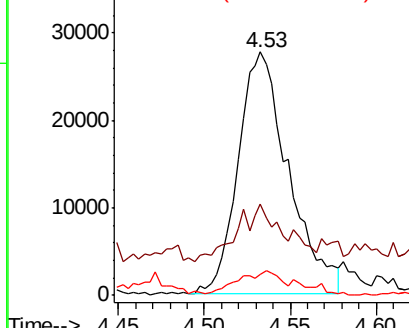
76 100

44 22.7 15.5 23.3

78 11.9 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.467 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.02 min

Lab File: VL036989.D

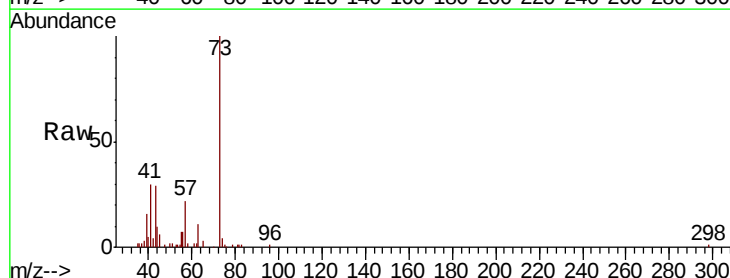
Acq: 19 May 2021 13:01

Tgt Ion: 73 Resp: 81638

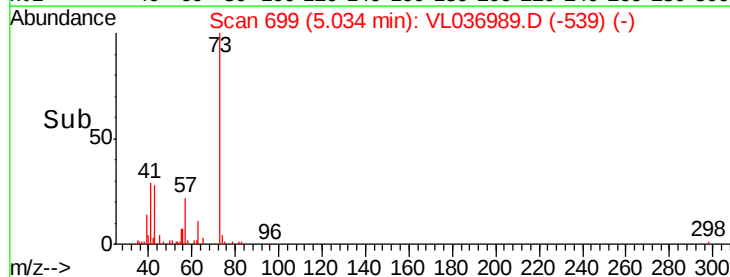
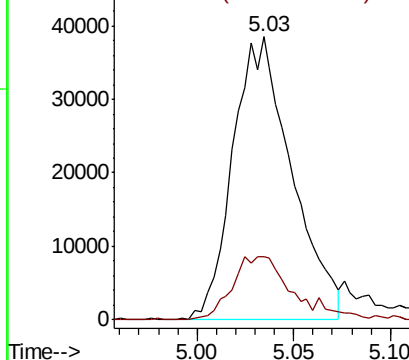
Ion Ratio Lower Upper

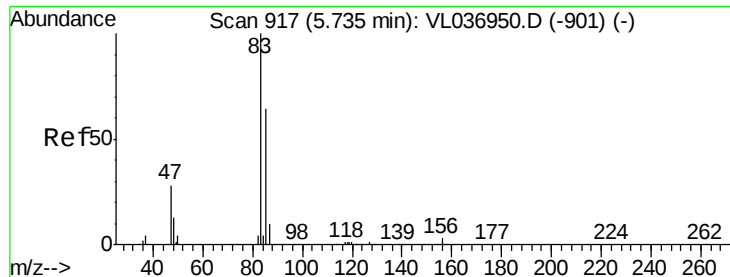
73 100

57 23.8 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.537 ppbv

RT: 5.72 min Scan# 913

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

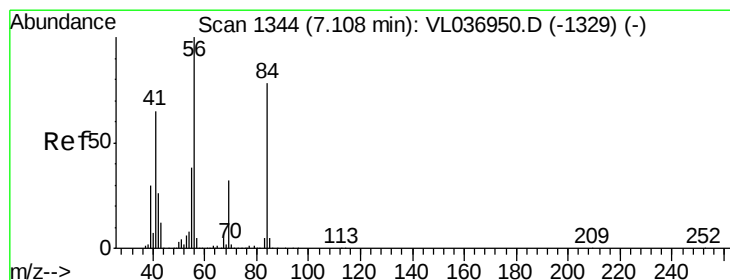
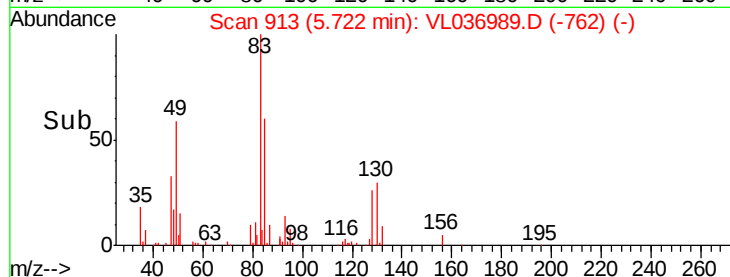
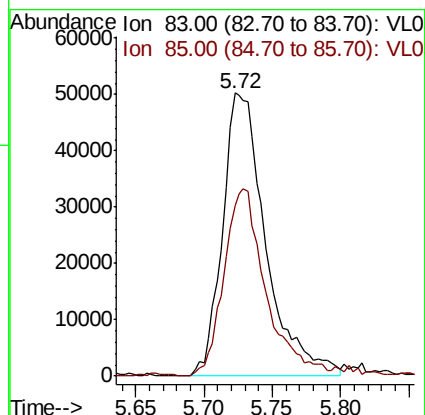
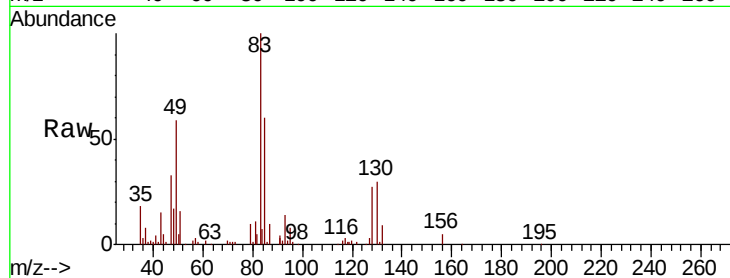
MDL-AIR-03-QT2-2021

Tot Ion: 83 Resp: 110757

Ion Ratio Lower Upper

83 100

85 60.4 51.1 76.7



#30

Cyclohexane

Concen: 0.240 ppbv

RT: 7.10 min Scan# 1342

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

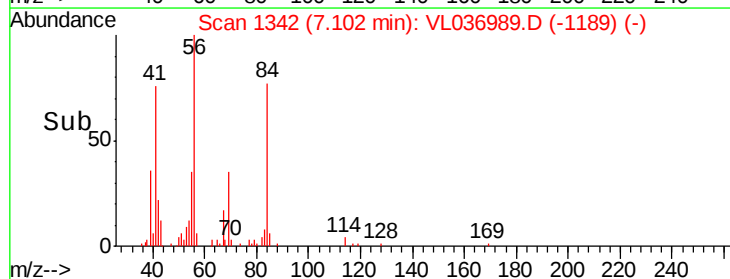
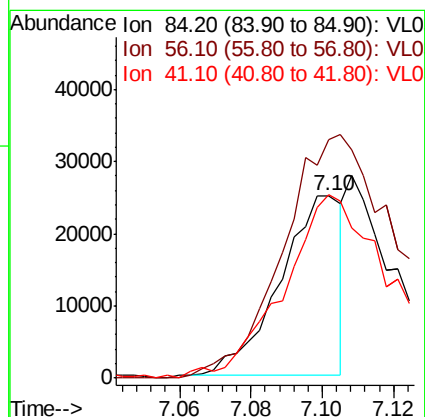
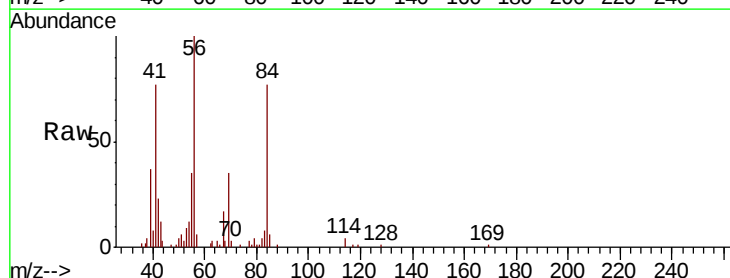
Tgt Ion: 84 Resp: 29779

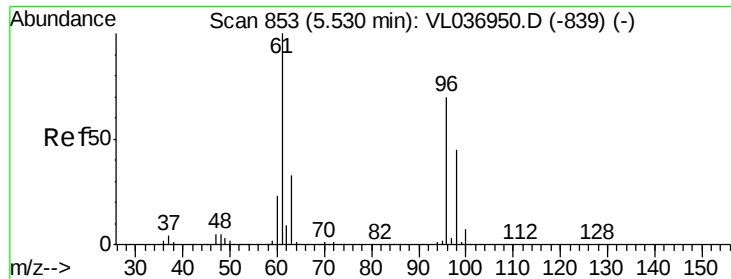
Ion Ratio Lower Upper

84 100

56 0.0 107.9 161.9#

41 185.4 65.5 98.3#



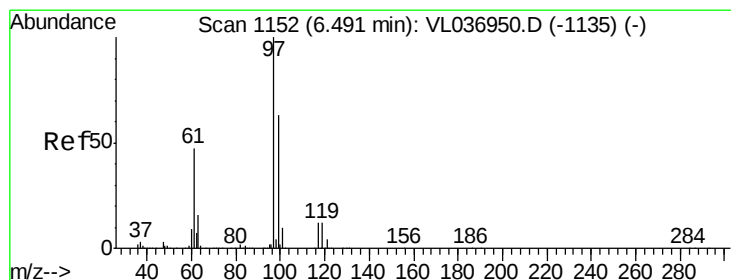
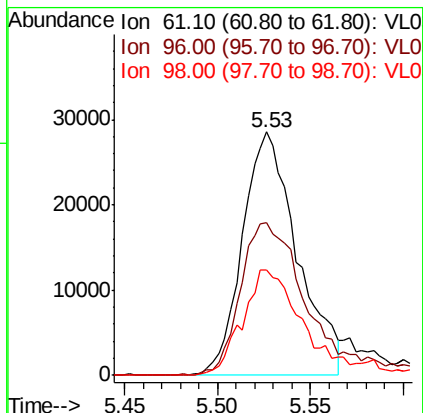
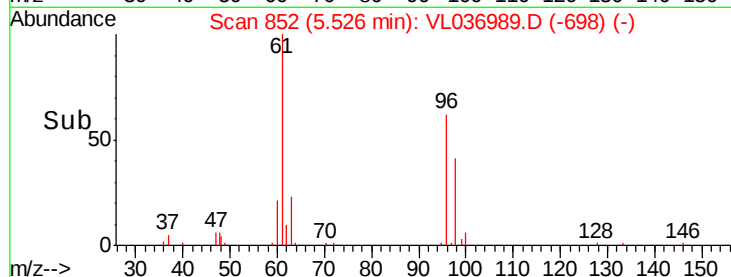
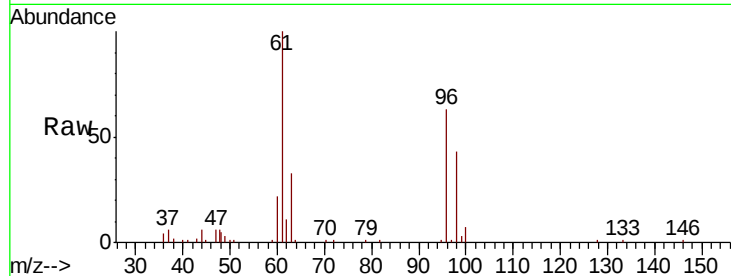


#31

cis-1,2-Dichloroethene
 Concen: 0.448 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

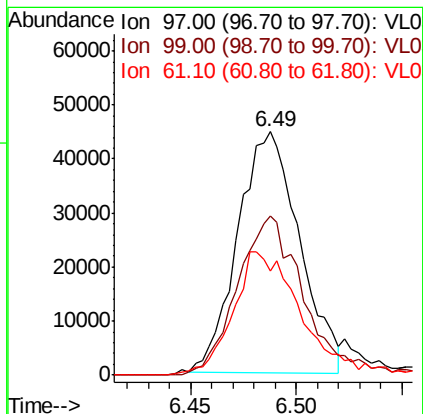
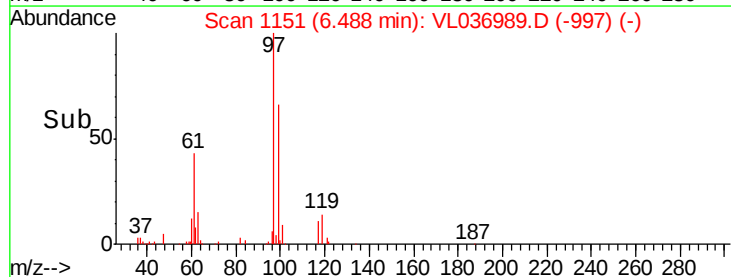
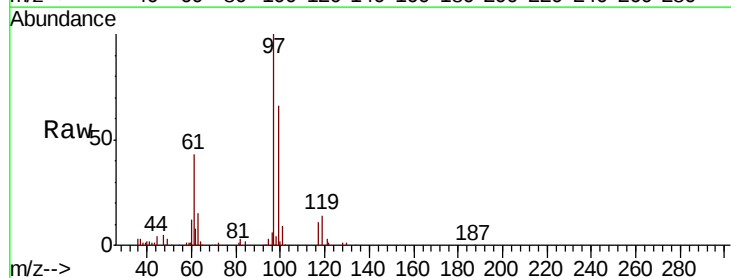
Tot Ion	Ratio	Lower	Upper
61	100		
96	62.7	55.9	83.9
98	43.4	35.6	53.4

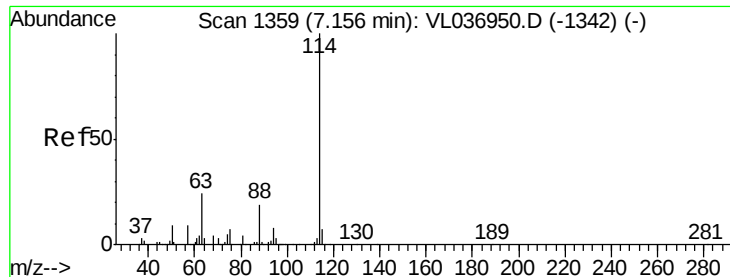


#32

1,1,1-Trichloroethane
 Concen: 0.411 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	72.2	51.9	77.9
61	57.9	37.6	56.4#

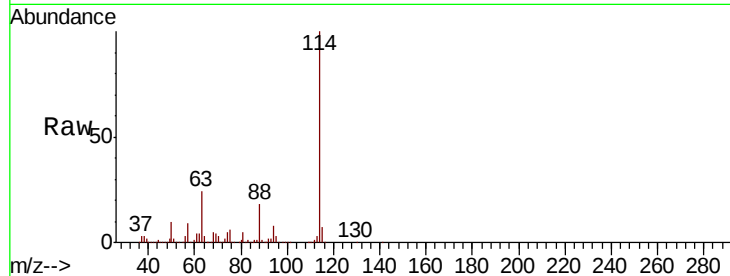




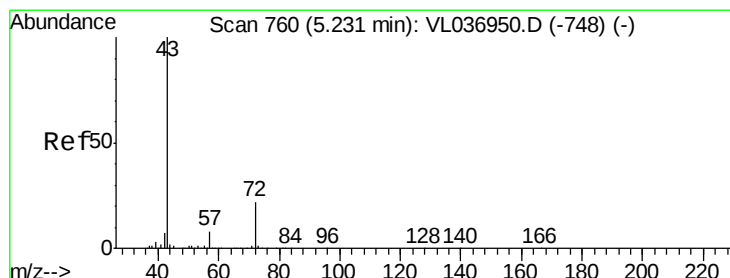
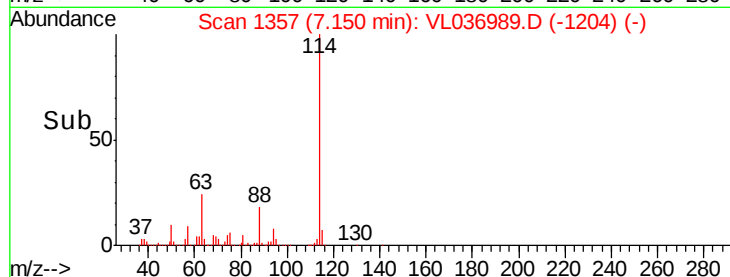
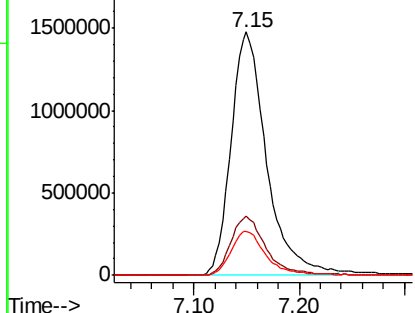
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion:114 Resp: 3444733
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 18.1 14.6 21.8

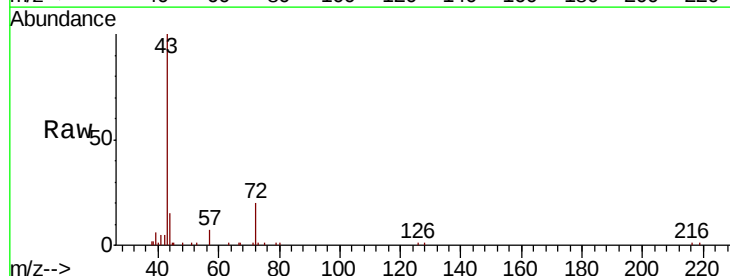


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

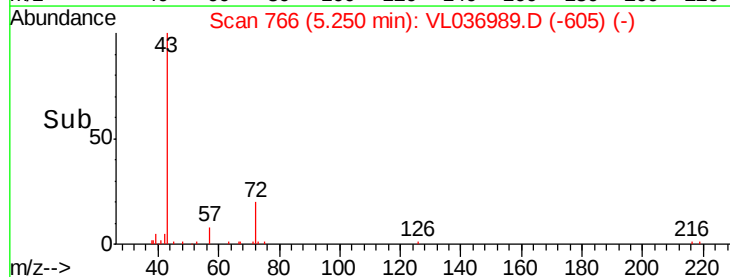
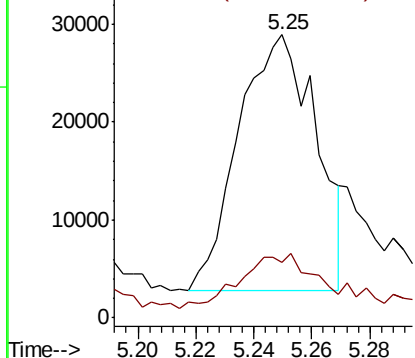


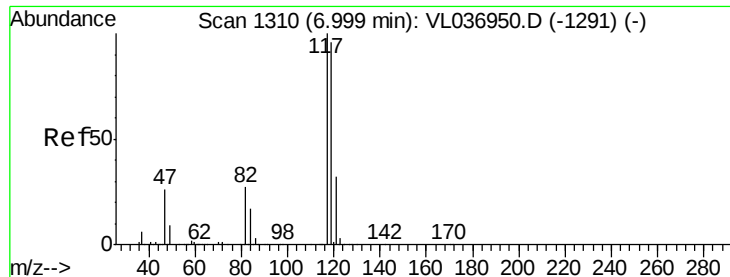
#34
 2-Butanone
 Concen: 0.388 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion: 43 Resp: 48618
 Ion Ratio Lower Upper
 43 100
 72 42.5 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: 0.405 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

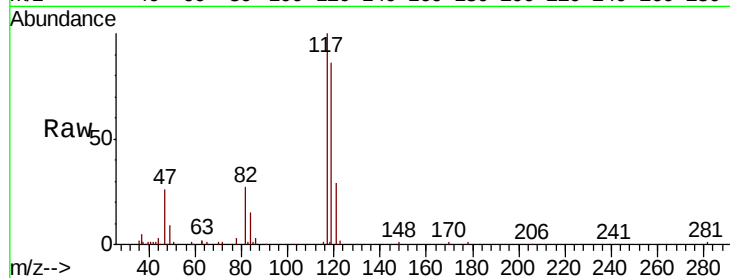
Tot Ion:117 Resp: 92755

Ion Ratio Lower Upper

117 100

119 85.9 76.6 114.8

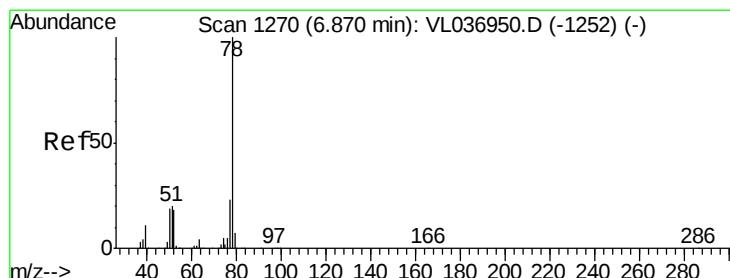
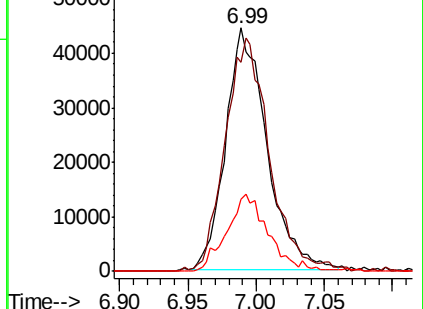
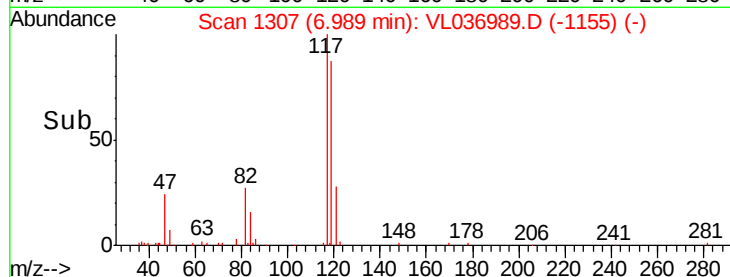
121 29.7 25.8 38.6



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: 0.478 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

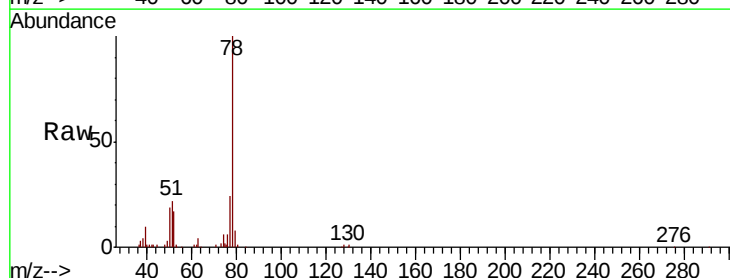
Tgt Ion: 78 Resp: 141883

Ion Ratio Lower Upper

78 100

77 24.1 18.6 28.0

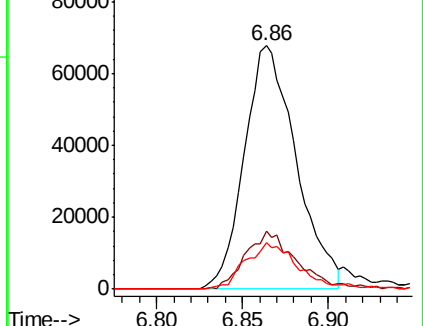
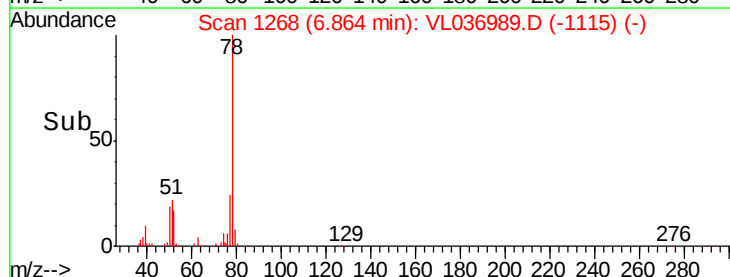
50 19.0 15.0 22.4

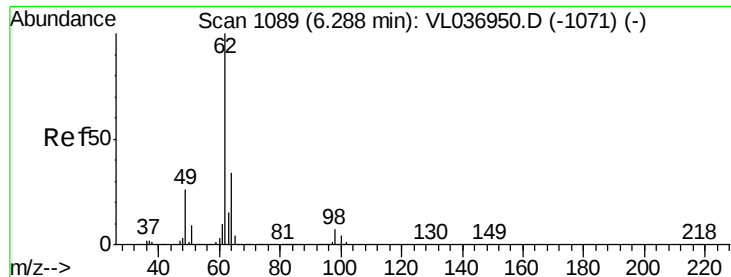


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

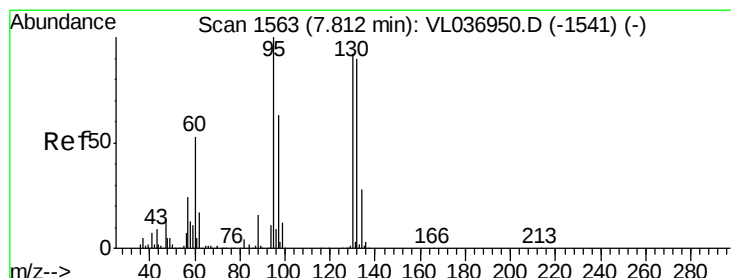
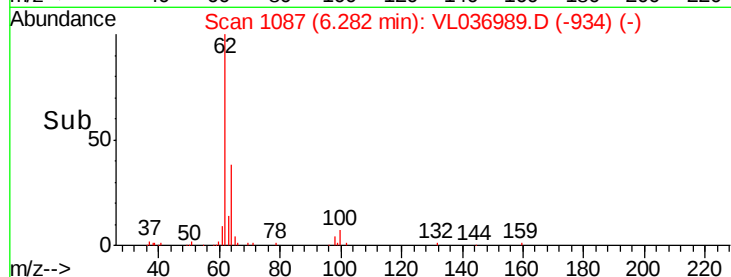
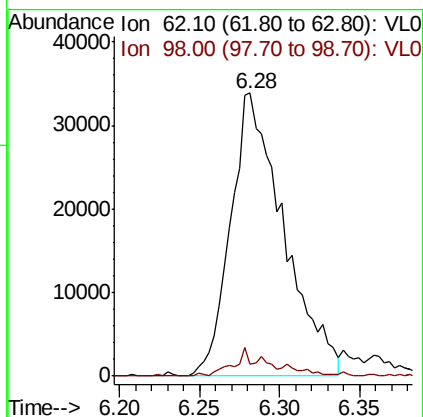
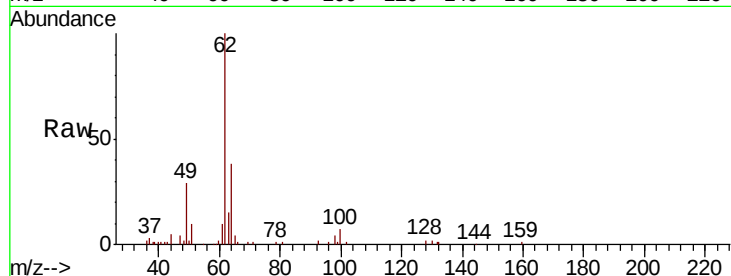




#37
 1,2-Dichloroethane
 Concen: 0.523 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

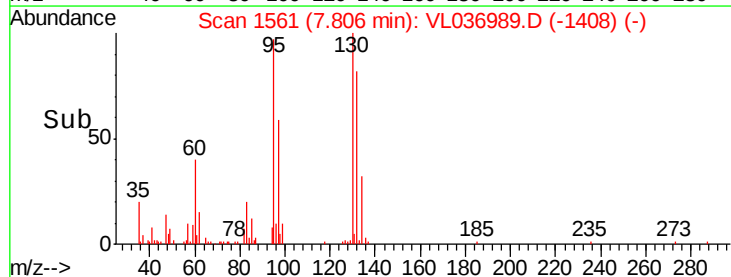
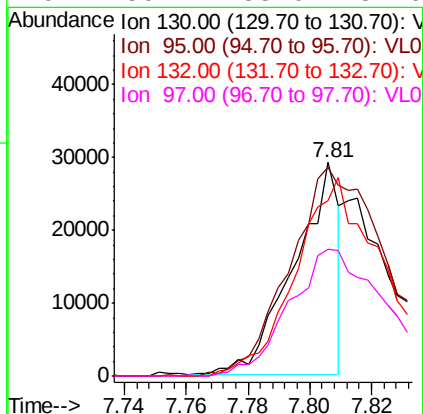
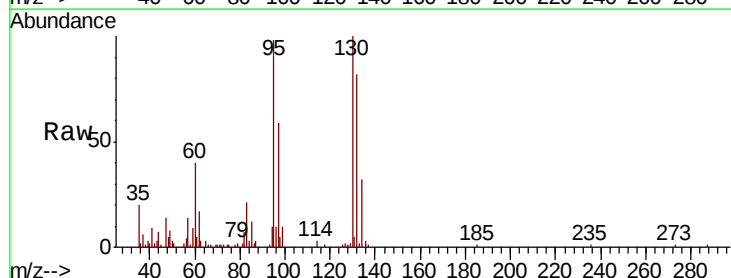
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

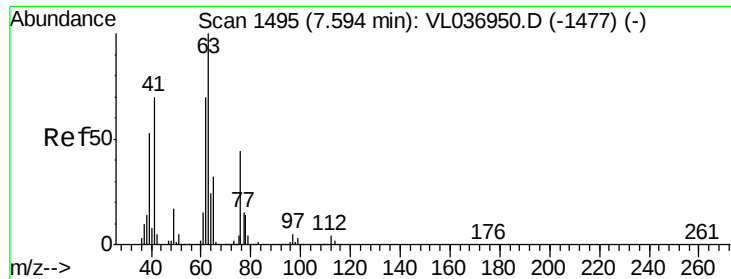
Tot Ion: 62 Resp: 76922
 Ion Ratio Lower Upper
 62 100
 98 7.1 5.5 8.3



#38
 Trichloroethene
 Concen: 0.230 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion:130 Resp: 29154
 Ion Ratio Lower Upper
 130 100
 95 98.7 86.9 130.3
 132 82.7 78.4 117.6
 97 59.1 55.0 82.6

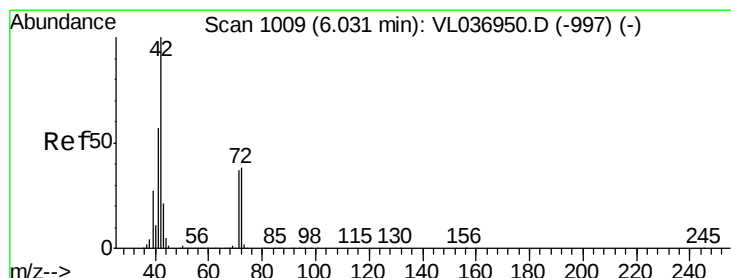
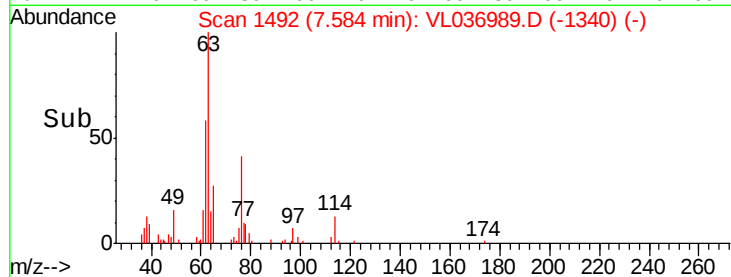
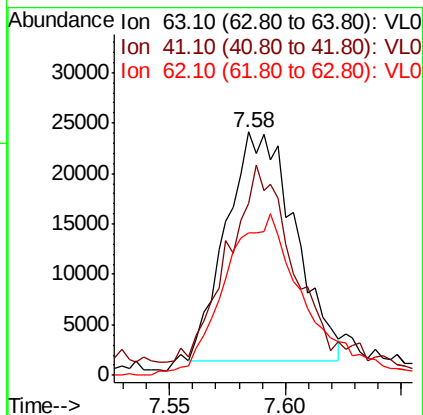
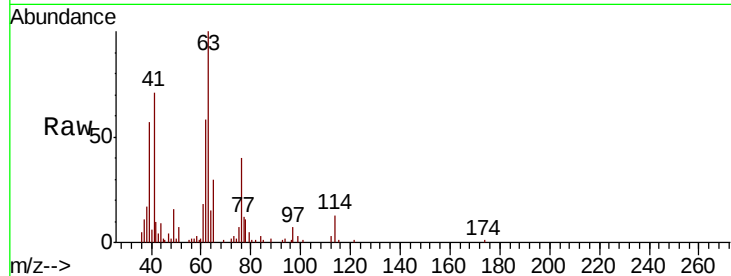




#39
 1,2-Dichloropropane
 Concen: 0.407 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

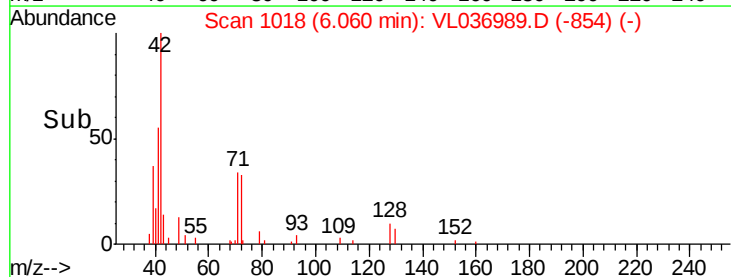
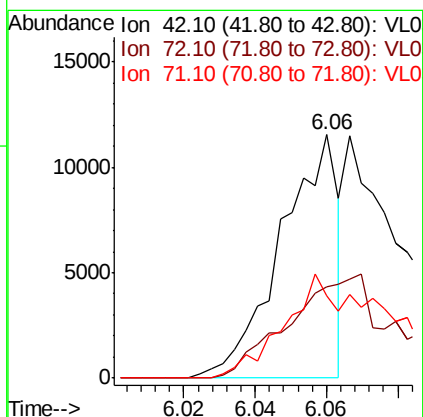
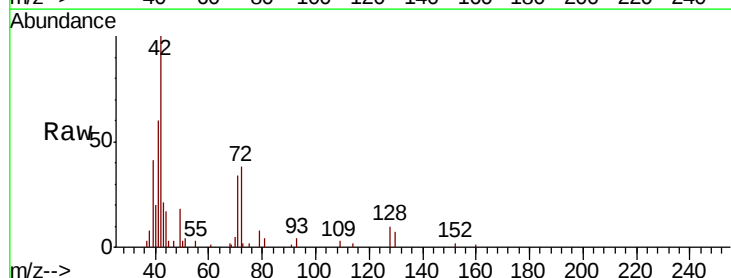
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

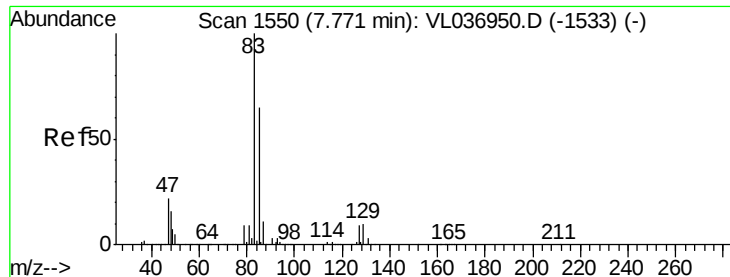
Tot Ion	Ratio	Lower	Upper
63	100		
41	68.6	55.7	83.5
62	59.7	56.2	84.4



#41
 Tetrahydrofuran
 Concen: 0.179 ppbv
 RT: 6.06 min Scan# 1018
 Delta R.T. 0.03 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	86.4	30.4	45.6#





#42

Bromodichloromethane

Concen: 0.193 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

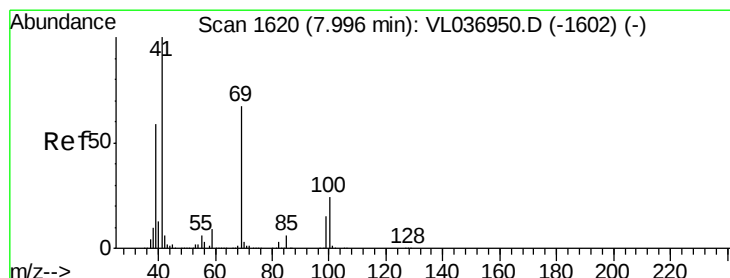
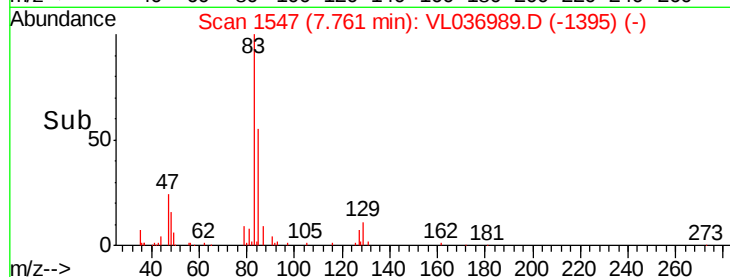
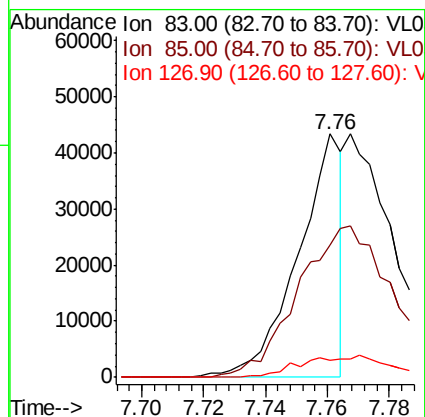
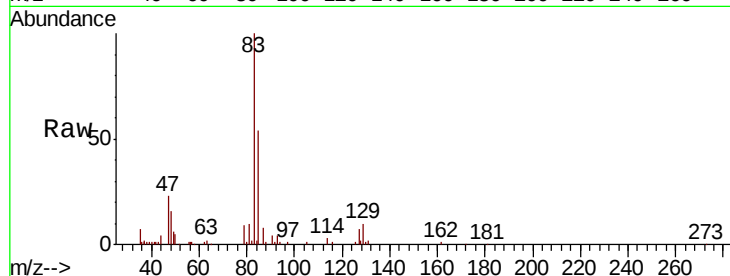
Tot Ion: 83 Resp: 42877

Ion Ratio Lower Upper

83 100

85 54.1 51.7 77.5

127 7.0 6.9 10.3



#43

Methyl Methacrylate

Concen: 0.330 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

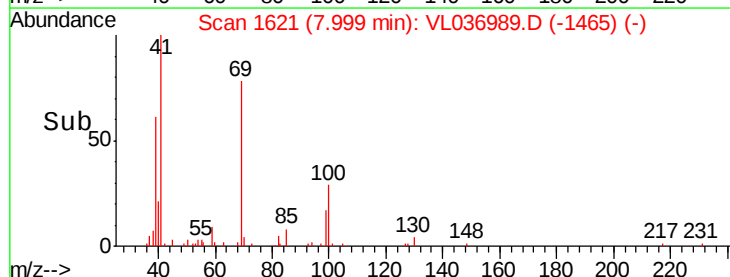
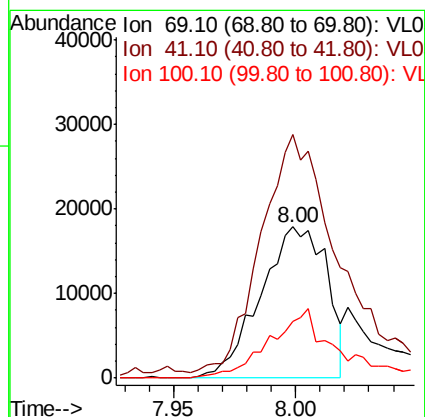
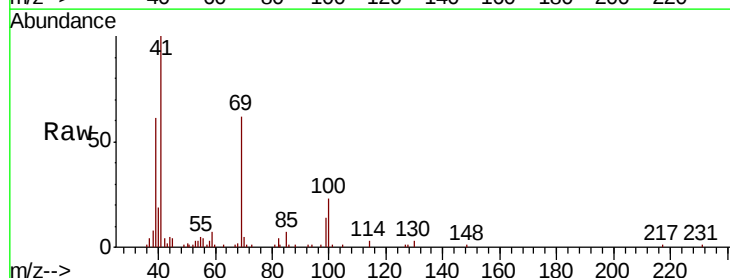
Tgt Ion: 69 Resp: 33770

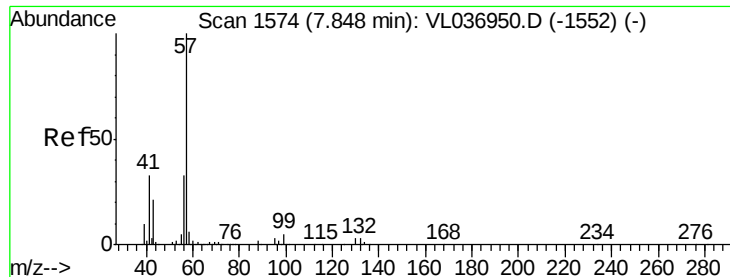
Ion Ratio Lower Upper

69 100

41 188.0 118.6 178.0#

100 46.5 28.2 42.4#

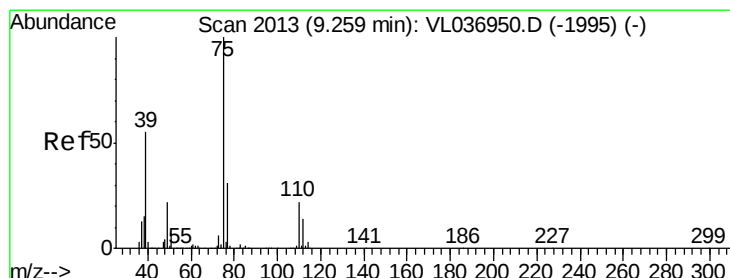
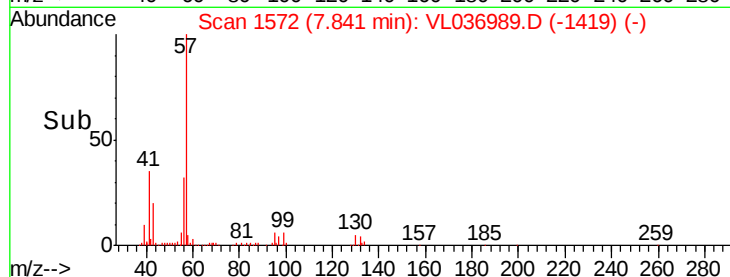
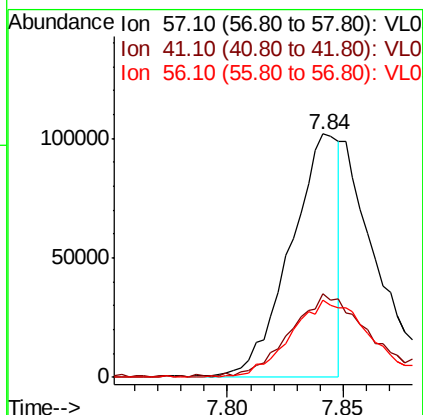
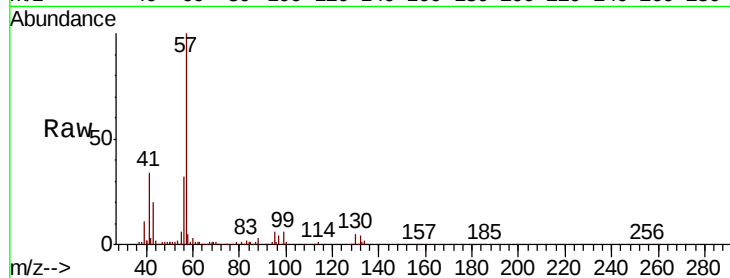




#44
 2,2,4-Trimethylpentane
 Concen: 0.288 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

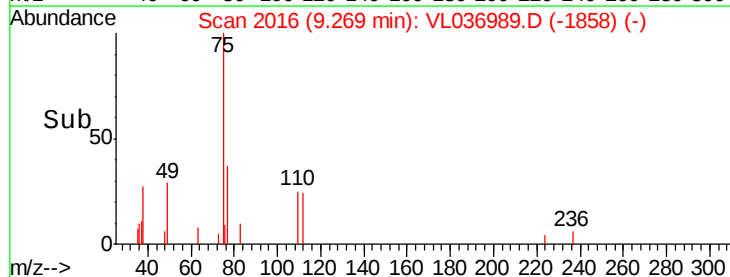
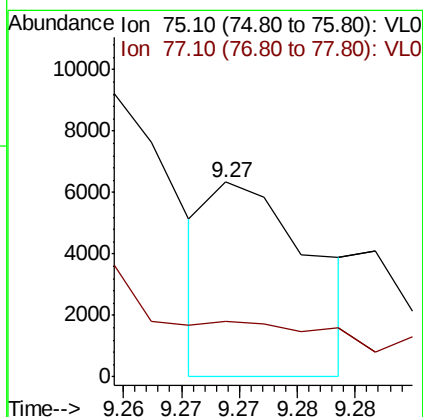
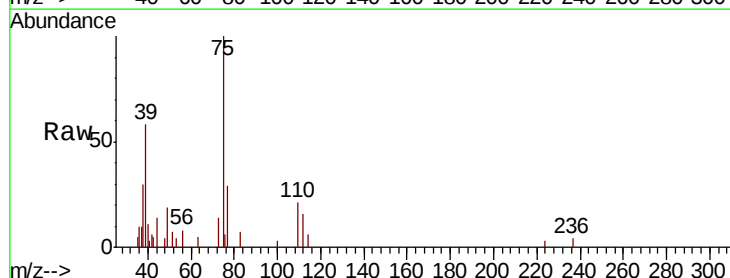
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

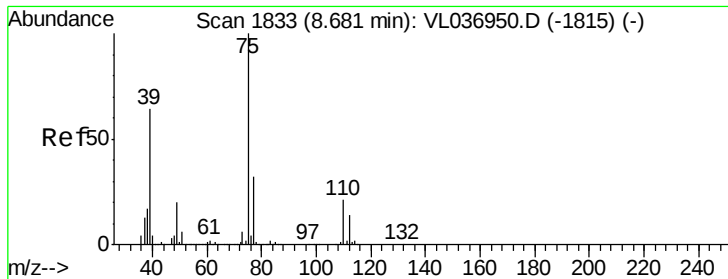
Tot Ion: 57 Resp: 146738
 Ion Ratio Lower Upper
 57 100
 41 57.4 27.0 40.4#
 56 54.8 25.4 38.2#



#45
 t-1,3-Dichloropropene
 Concen: 0.050 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion: 75 Resp: 3870
 Ion Ratio Lower Upper
 75 100
 77 27.1 24.4 36.6



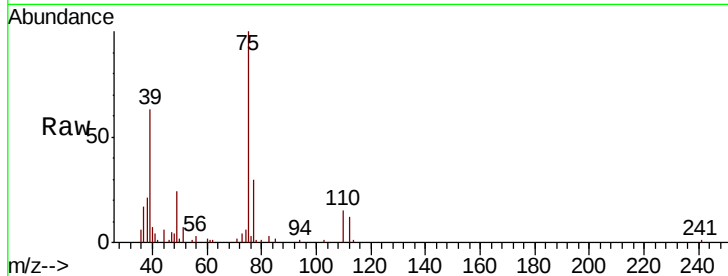


#46

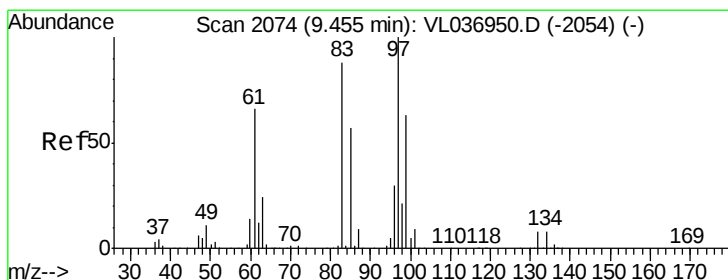
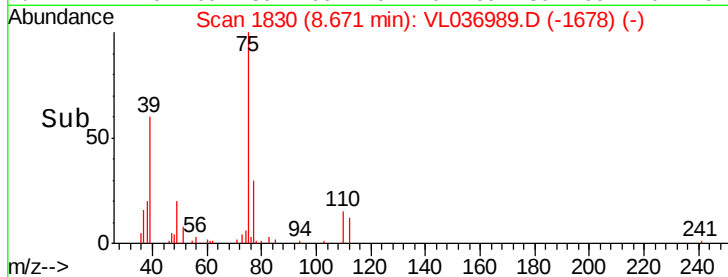
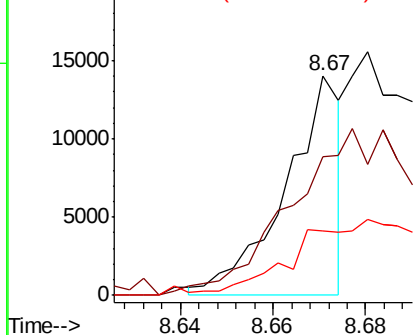
cis-1,3-Dichloropropene
 Concen: 0.110 ppbv
 RT: 8.67 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

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

Tot Ion	Ratio	Lower	Upper
75	100		
39	61.3	51.5	77.3
77	29.2	25.9	38.9



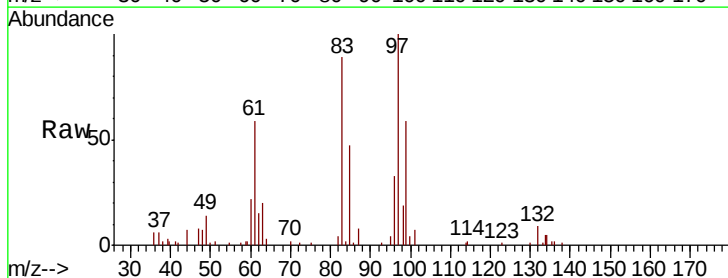
Abundance Ion 75.00 (74.70 to 75.70): VL0
 Ion 39.00 (38.70 to 39.70): VL0
 Ion 77.00 (76.70 to 77.70): VL0



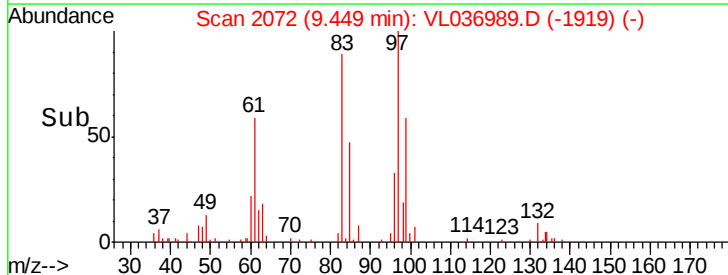
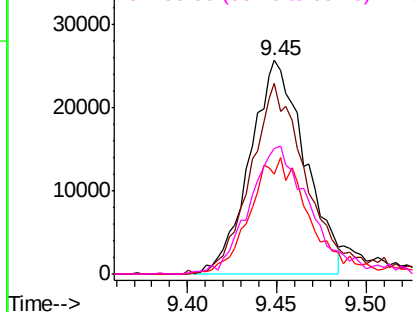
#47

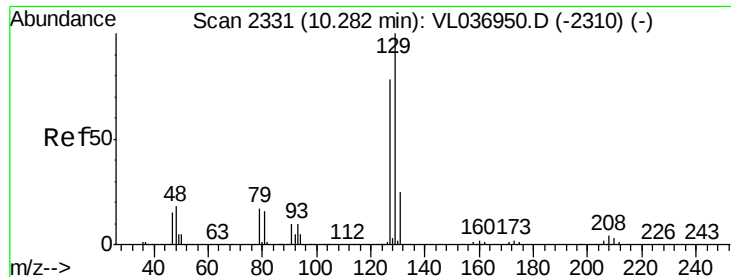
1,1,2-Trichloroethane
 Concen: 0.462 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.4	105.6
85	46.6	45.5	68.3
99	58.0	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: 0.184 ppbv

RT: 10.28 min Scan# 2329

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

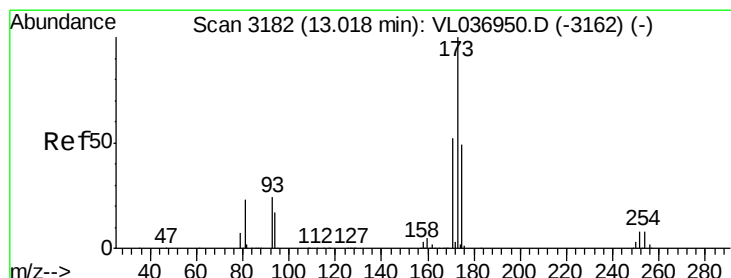
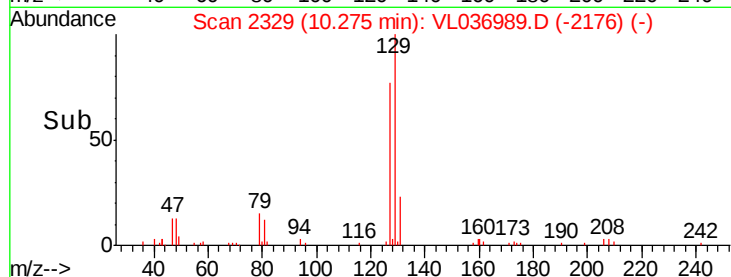
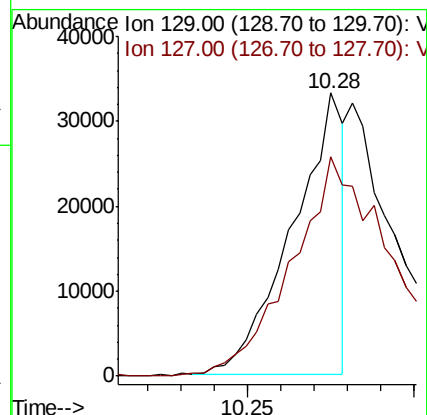
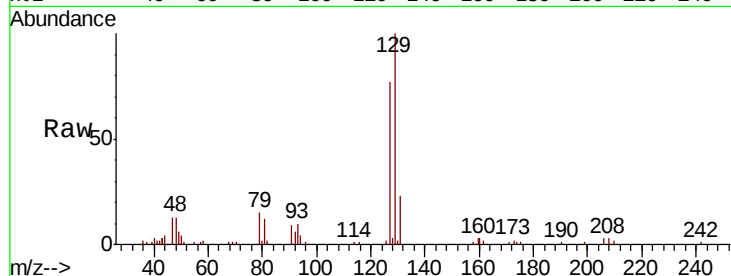
MDL-AIR-03-QT2-2021

Tot Ion:129 Resp: 35576

Ion Ratio Lower Upper

129 100

127 162.6 39.3 117.8#



#49

Bromoform

Concen: 0.327 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

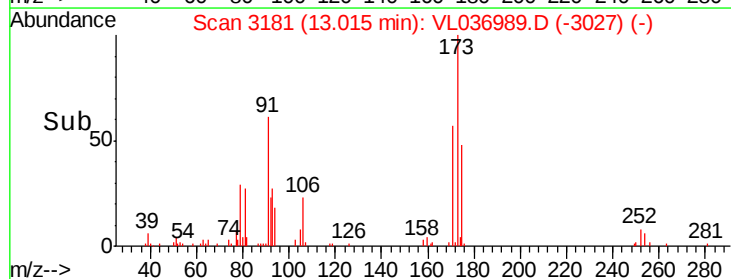
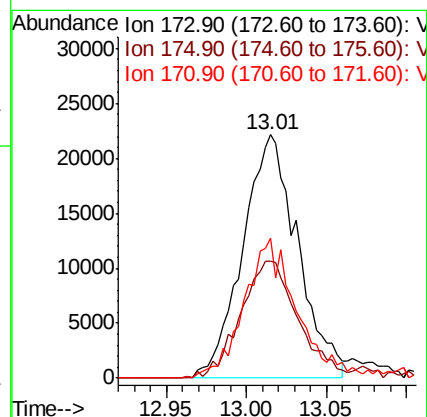
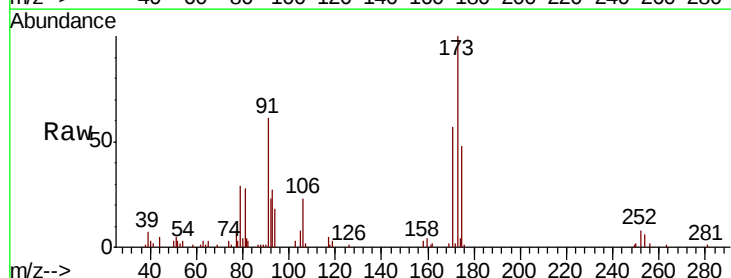
Tgt Ion:173 Resp: 52298

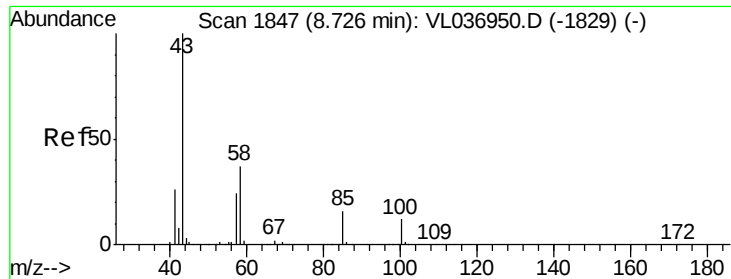
Ion Ratio Lower Upper

173 100

175 52.1 40.4 60.6

171 56.4 42.6 64.0

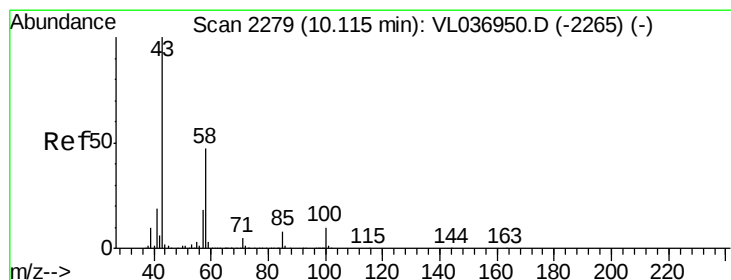
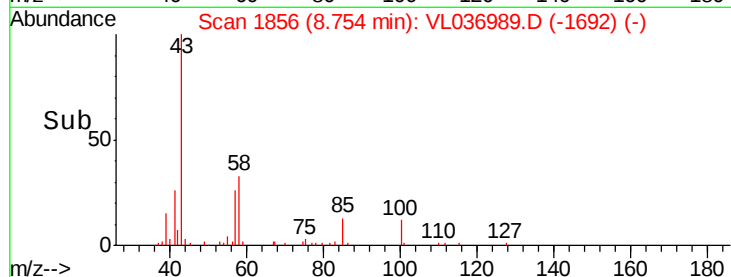
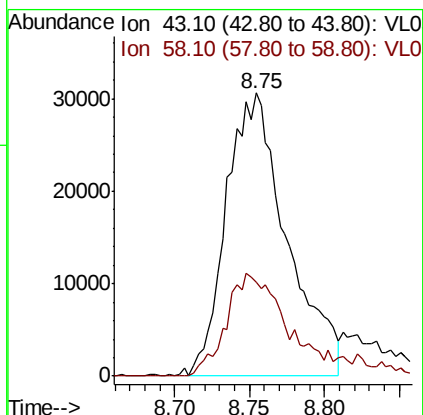
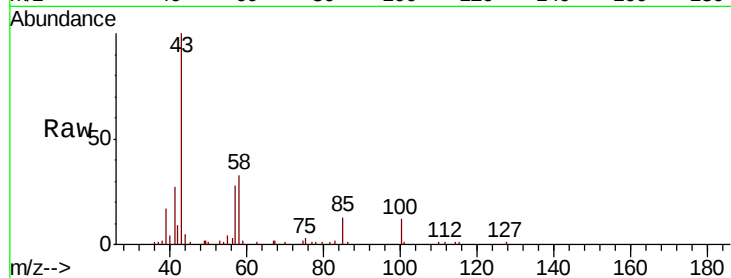




#50
4-Methyl-2-Pentanone
Concen: 0.417 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.03 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

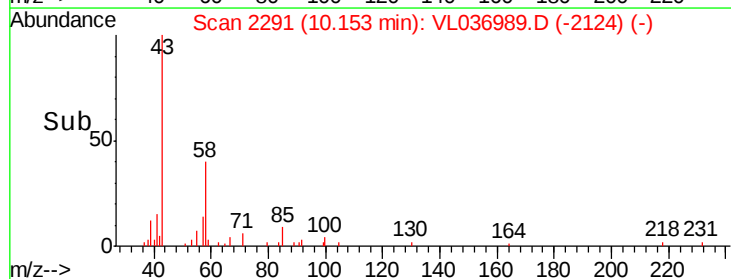
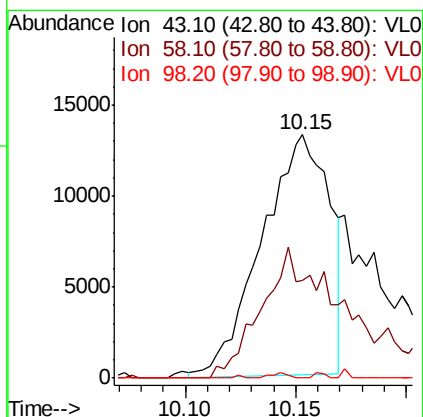
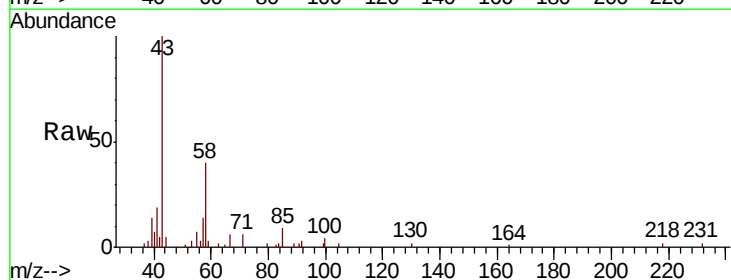
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

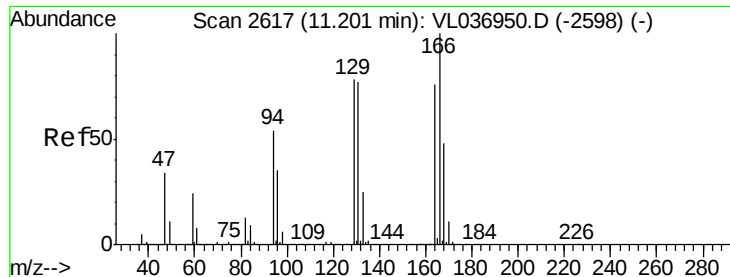
Tot Ion: 43 Resp: 86369
Ion Ratio Lower Upper
43 100
58 40.9 29.4 44.2



#51
2-Hexanone
Concen: 0.258 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.04 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion: 43 Resp: 28268
Ion Ratio Lower Upper
43 100
58 75.9 41.1 61.7#
98 1.1 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.514 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:164 Resp: 60636

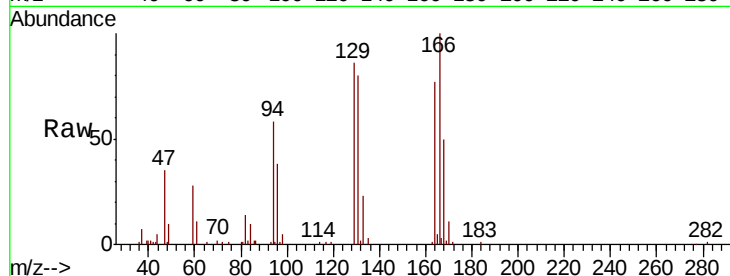
Ion Ratio Lower Upper

164 100

166 129.4 105.5 158.3

129 111.4 81.8 122.8

131 103.9 81.2 121.8

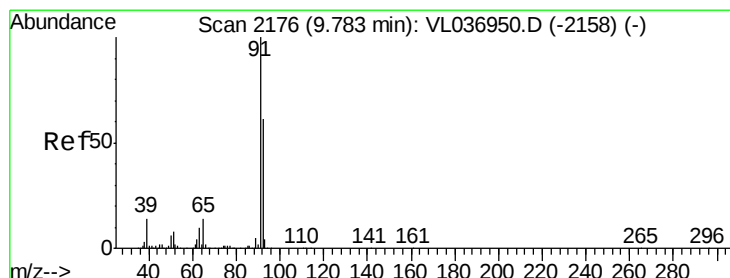
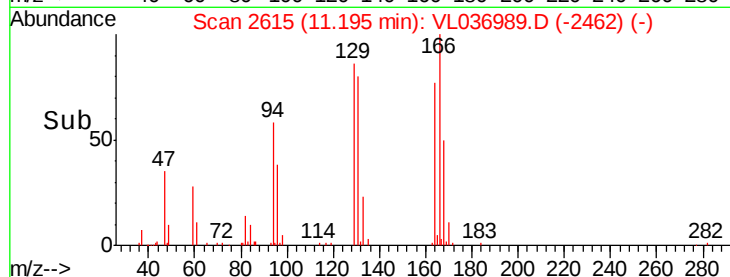
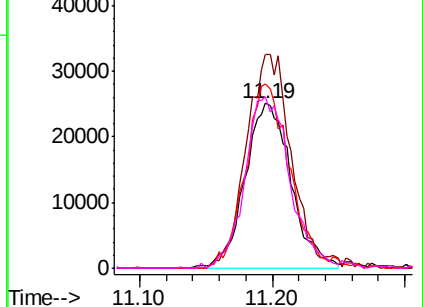


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.444 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036989.D

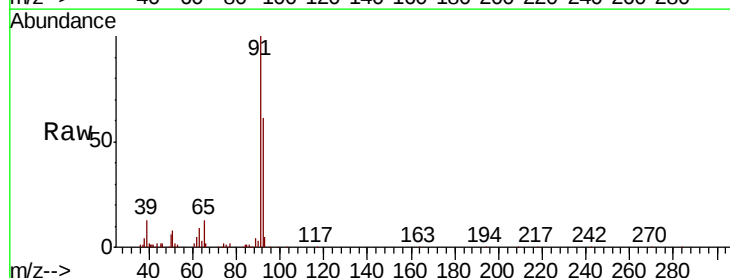
Acq: 19 May 2021 13:01

Tgt Ion: 91 Resp: 156656

Ion Ratio Lower Upper

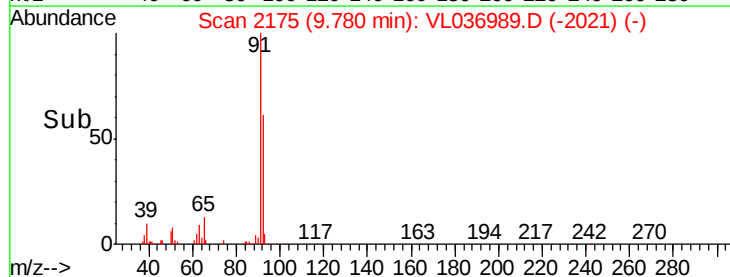
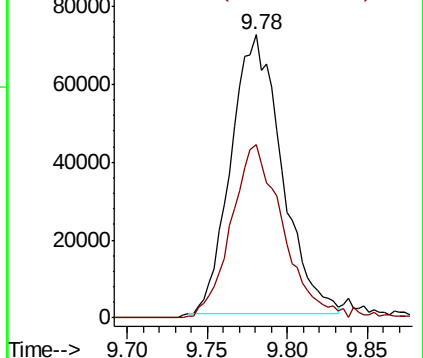
91 100

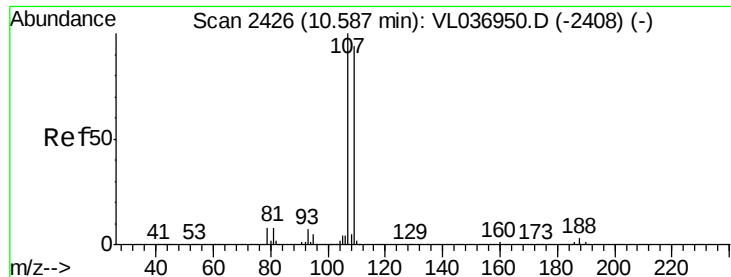
92 64.3 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.246 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

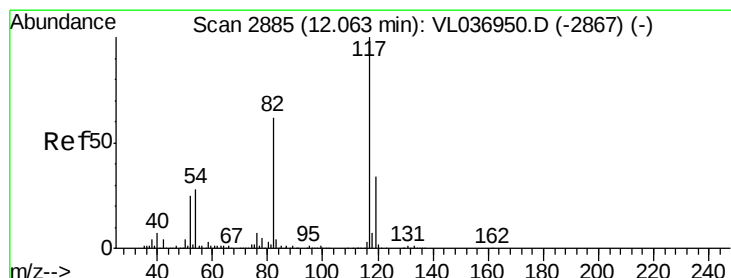
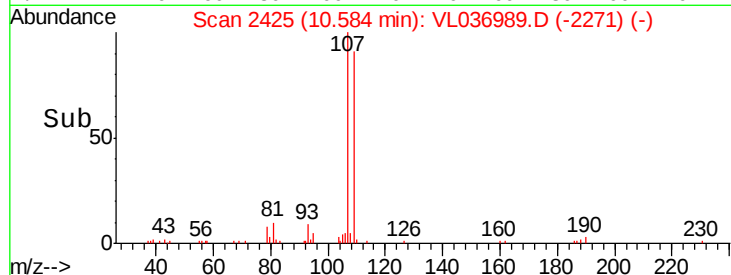
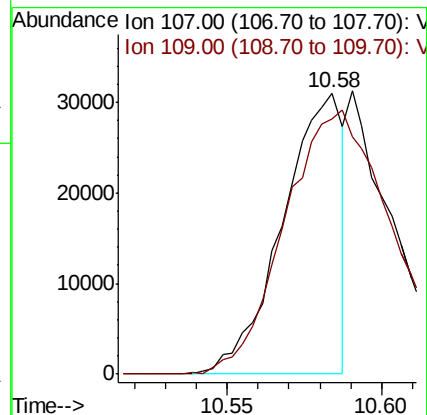
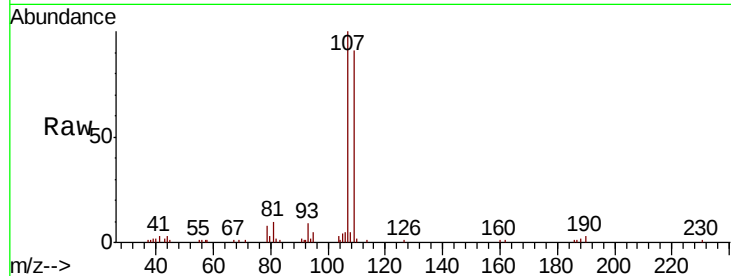
MDL-AIR-03-QT2-2021

Tot Ion:107 Resp: 41780

Ion Ratio Lower Upper

107 100

109 90.1 75.0 112.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

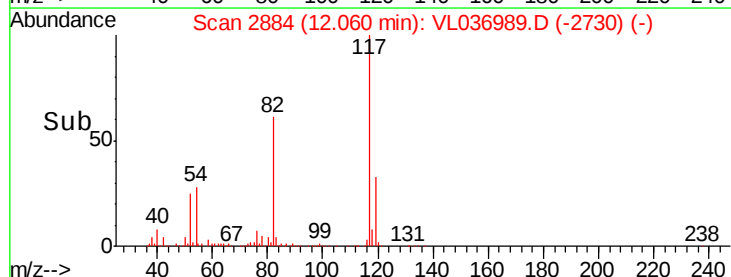
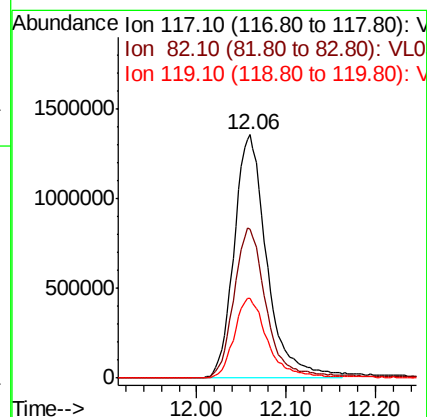
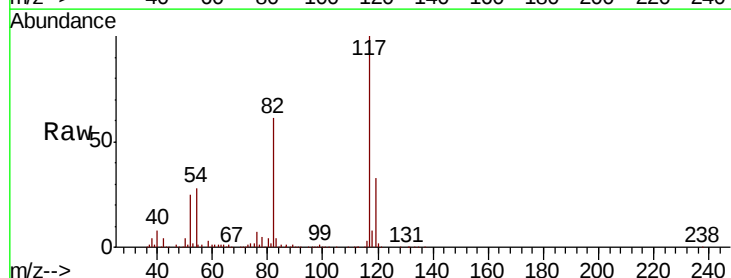
Tgt Ion:117 Resp: 3459026

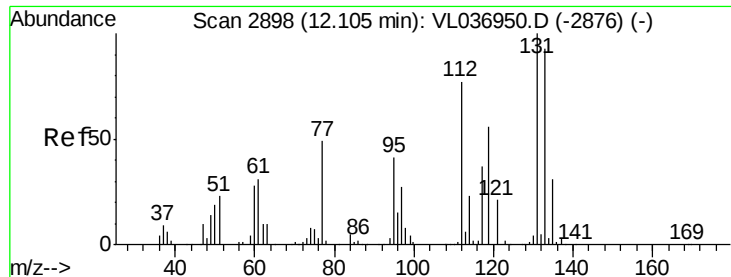
Ion Ratio Lower Upper

117 100

82 62.3 52.6 79.0

119 34.6 46.6 70.0#

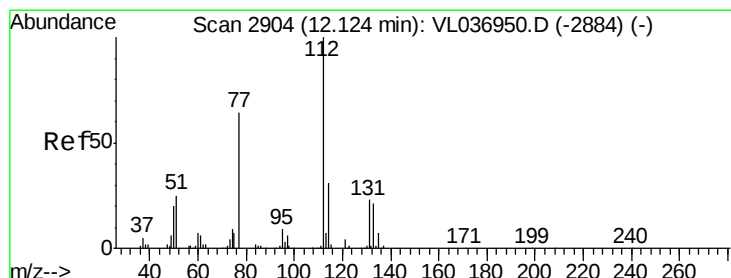
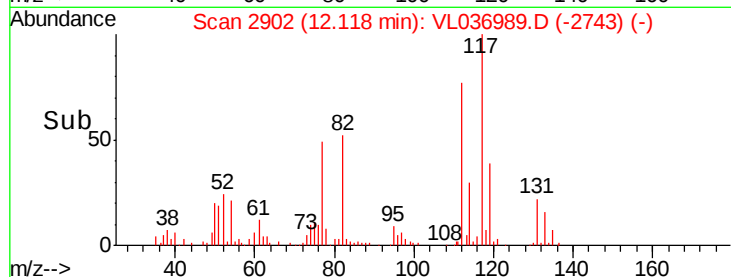
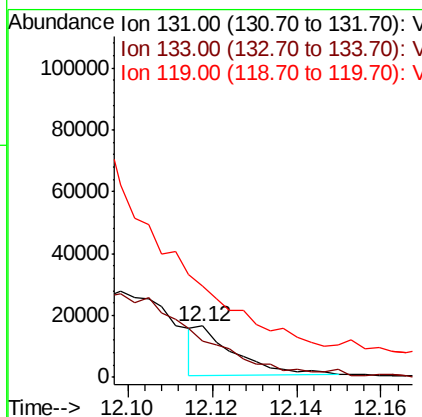
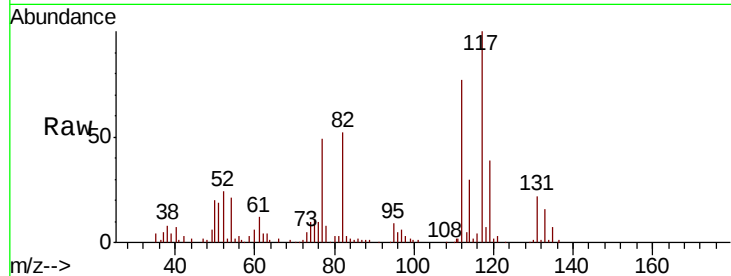




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.069 ppbv
 RT: 12.12 min Scan# 2902
 Delta R.T. 0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

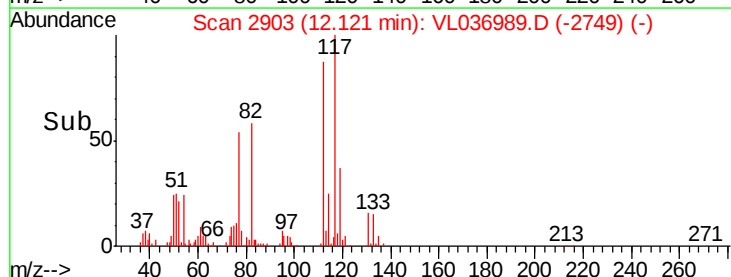
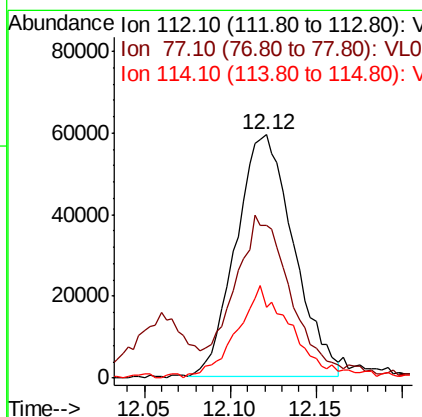
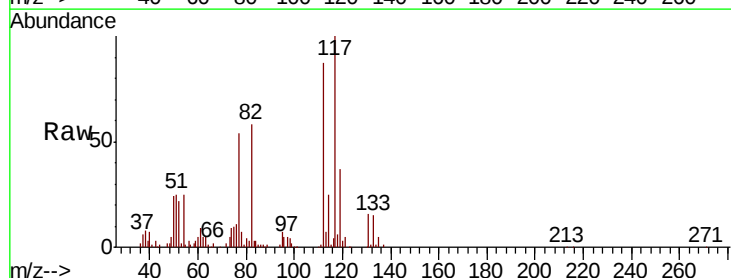
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

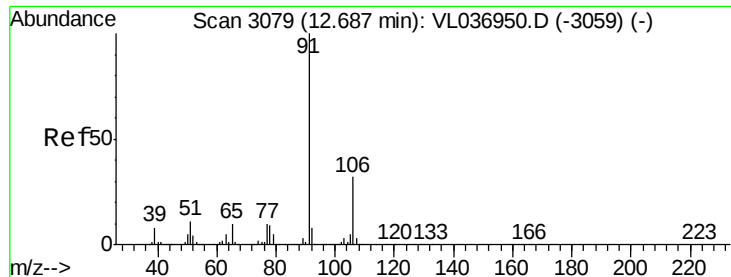
Tot Ion:131 Resp: 9977
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.9 115.3#
 119 0.0 120.2 180.4#



#57
 Chlorobenzene
 Concen: 0.510 ppbv
 RT: 12.12 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion:112 Resp: 136782
 Ion Ratio Lower Upper
 112 100
 77 57.8 51.0 76.6
 114 27.5 28.3 34.5#





#58

Ethyl Benzene

Concen: 0.494 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

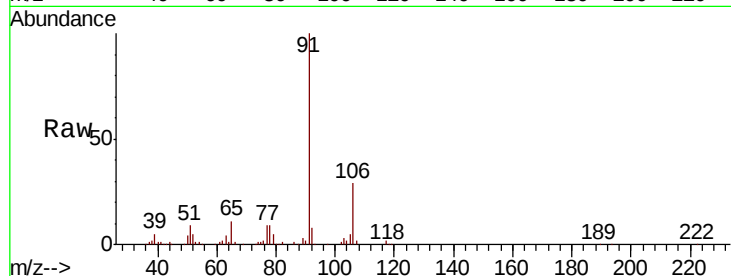
MDL-AIR-03-QT2-2021

Tot Ion: 91 Resp: 241334

Ion Ratio Lower Upper

91 100

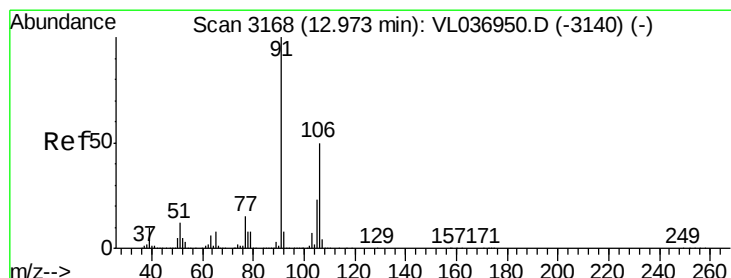
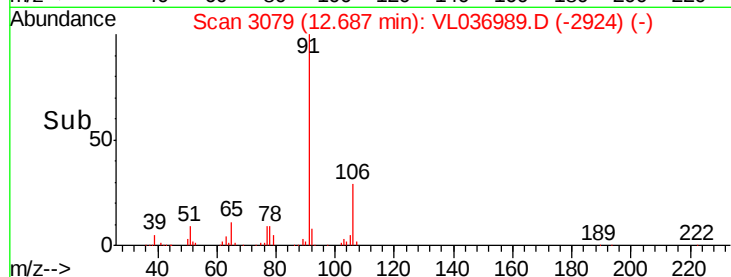
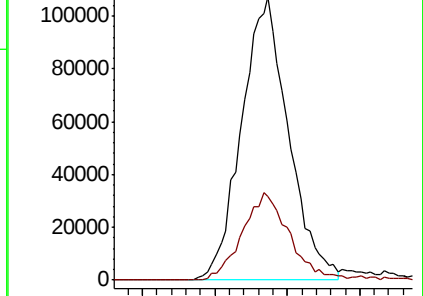
106 29.4 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.69



#59

m/p-Xylene

Concen: 0.551 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.01 min

Lab File: VL036989.D

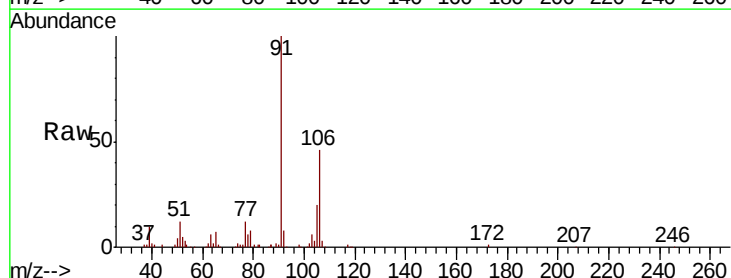
Acq: 19 May 2021 13:01

Tgt Ion: 91 Resp: 222365

Ion Ratio Lower Upper

91 100

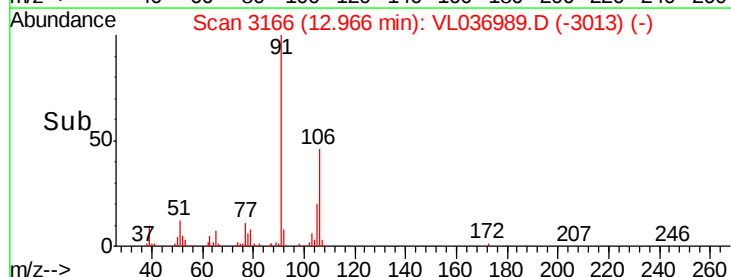
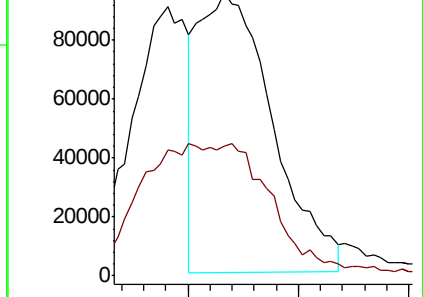
106 86.2 37.4 56.2#

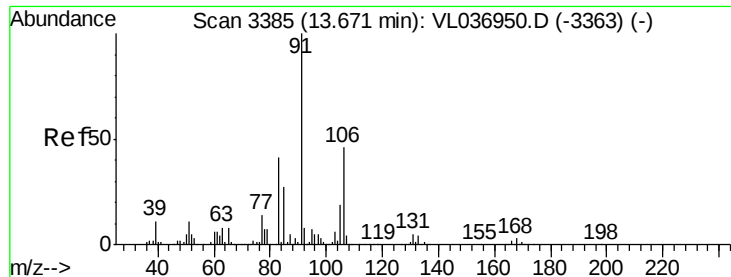


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.97

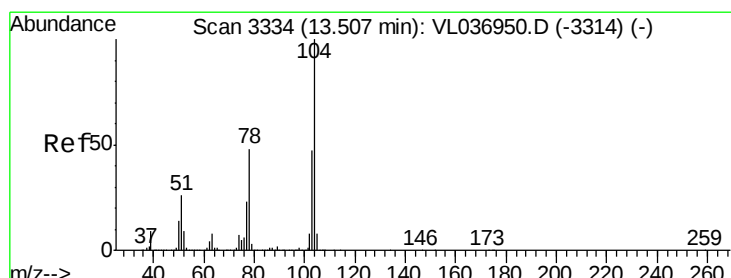
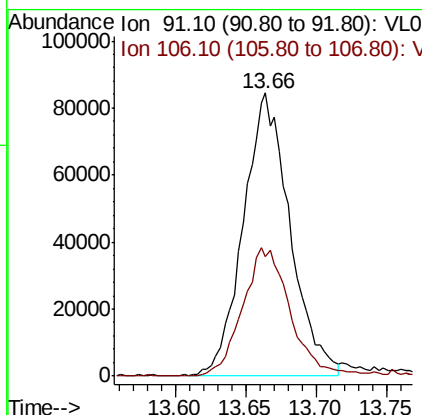
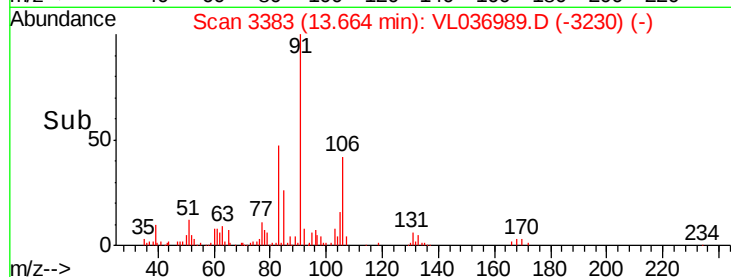
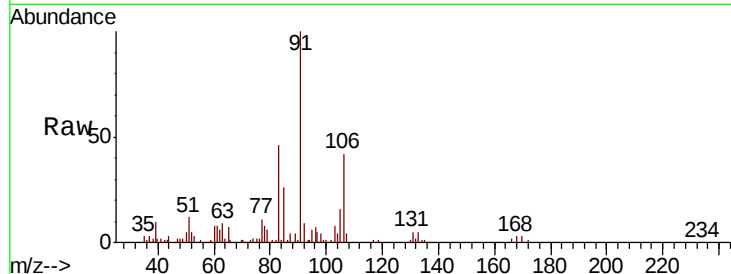




#60
o-Xylene
Concen: 0.503 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

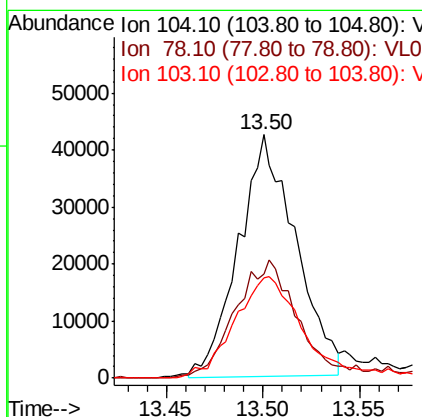
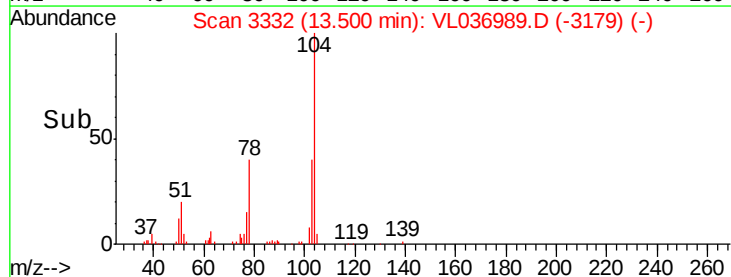
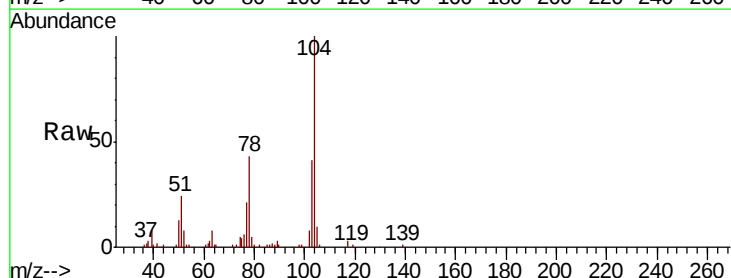
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

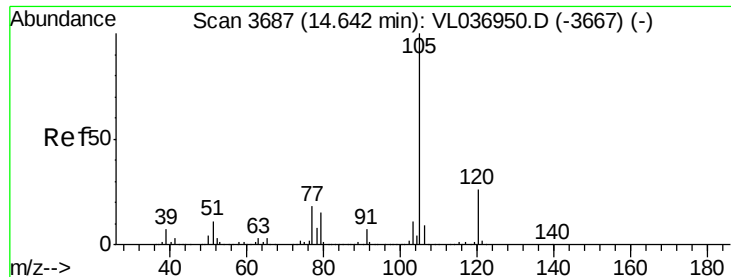
Tot Ion: 91 Resp: 193549
Ion Ratio Lower Upper
91 100
106 46.8 23.4 70.3



#61
Styrene
Concen: 0.400 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion: 104 Resp: 86722
Ion Ratio Lower Upper
104 100
78 55.9 39.0 58.6
103 50.7 38.0 57.0





#62

Isopropylbenzene

Concen: 0.514 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

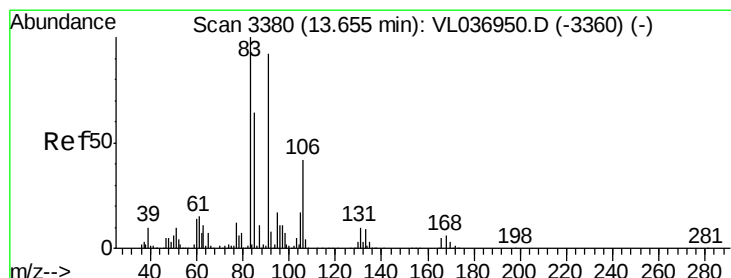
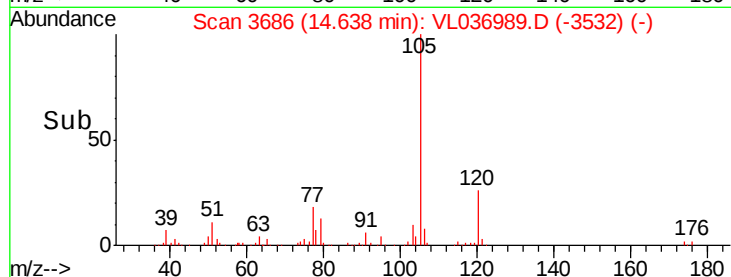
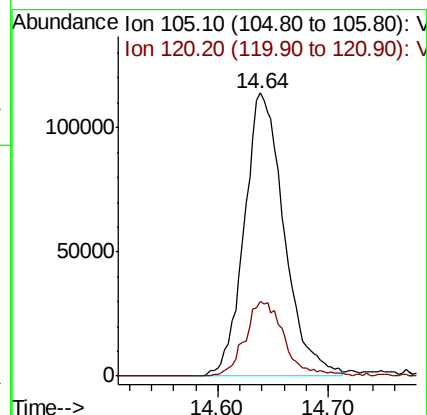
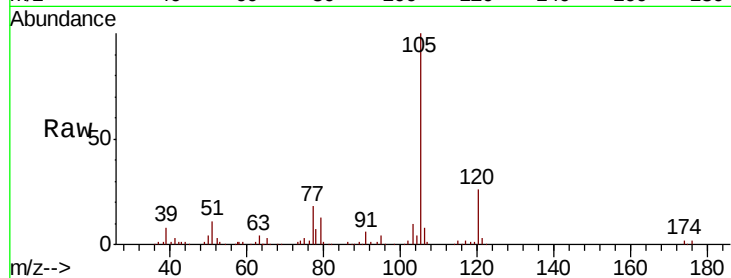
MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 284240

Ion Ratio Lower Upper

105 100

120 26.2 21.7 32.5



#63

1,1,2,2-Tetrachloroethane

Concen: 0.251 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

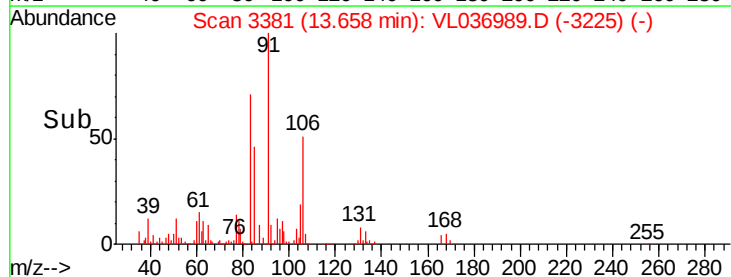
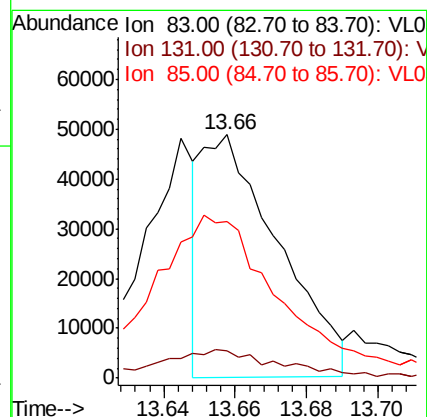
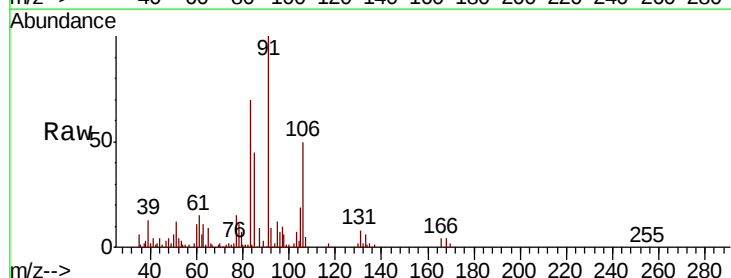
Tgt Ion: 83 Resp: 72059

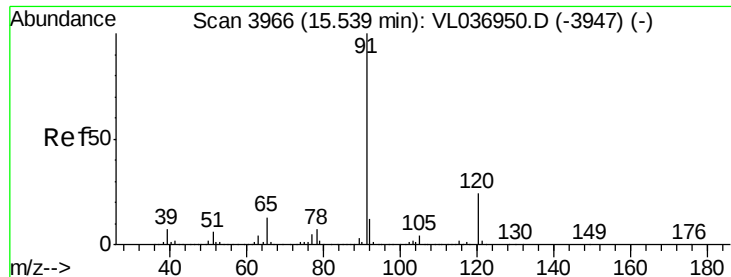
Ion Ratio Lower Upper

83 100

131 19.5 5.0 15.0#

85 127.6 32.9 98.6#





#64

n-propylbenzene

Concen: 0.458 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

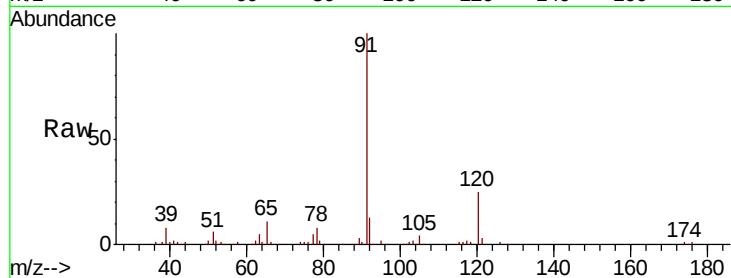
MDL-AIR-03-QT2-2021

Tot Ion:120 Resp: 65384

Ion Ratio Lower Upper

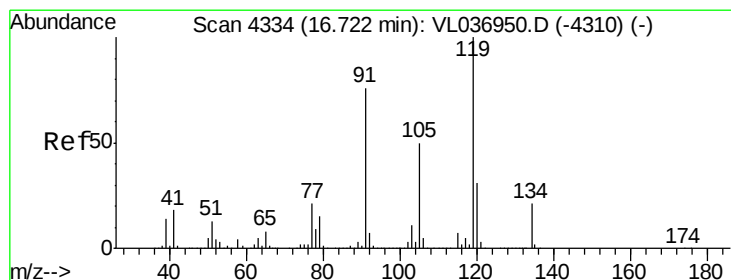
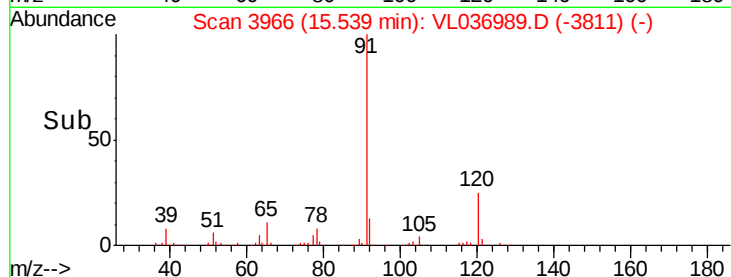
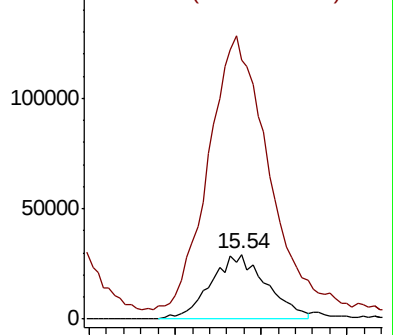
120 100

91 517.4 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.509 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

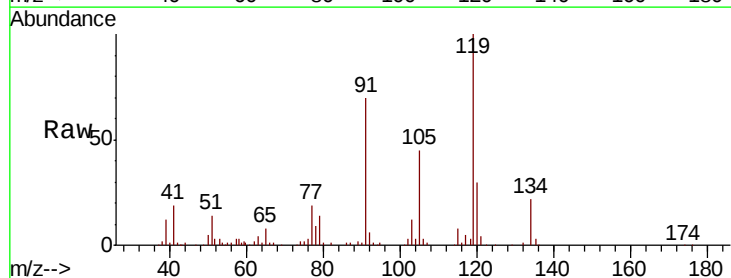
Tgt Ion:119 Resp: 254265

Ion Ratio Lower Upper

119 100

91 80.0 61.9 92.9

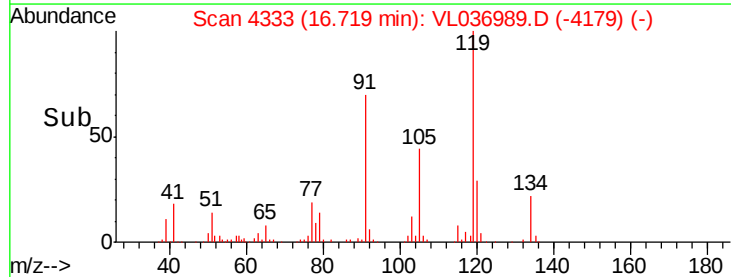
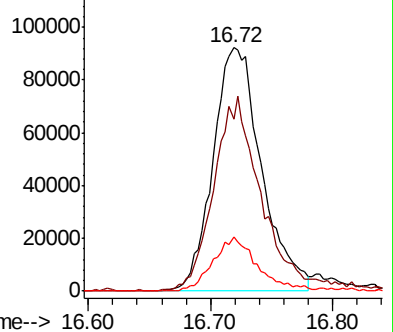
134 20.3 16.2 24.4

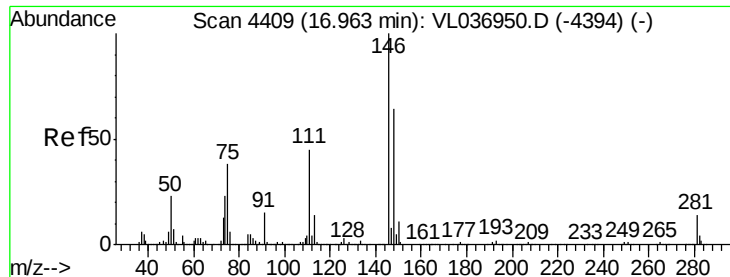


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

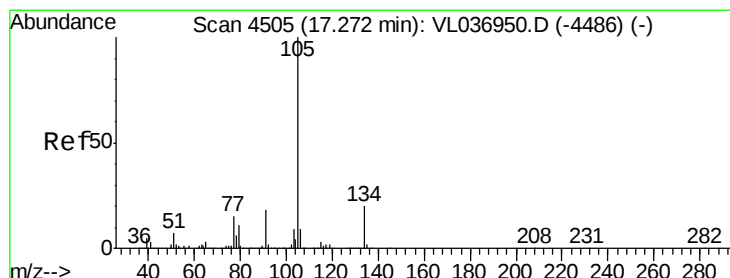
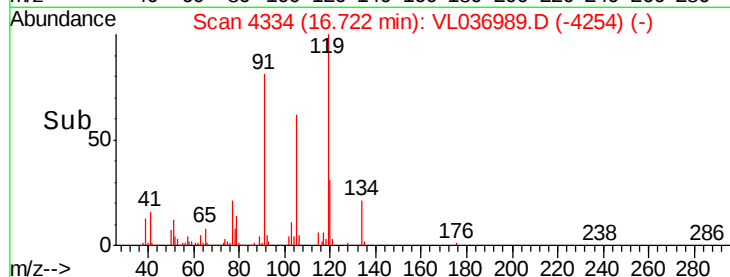
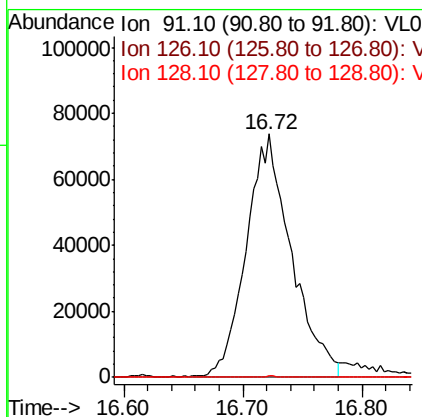
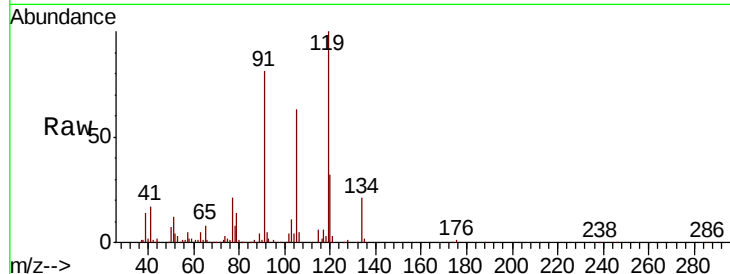




#66
Benzyl Chloride
Concen: 6.899 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.24 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

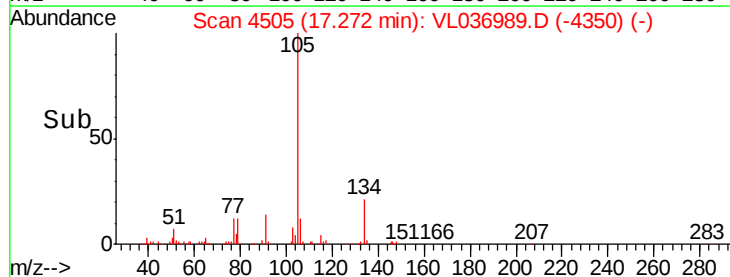
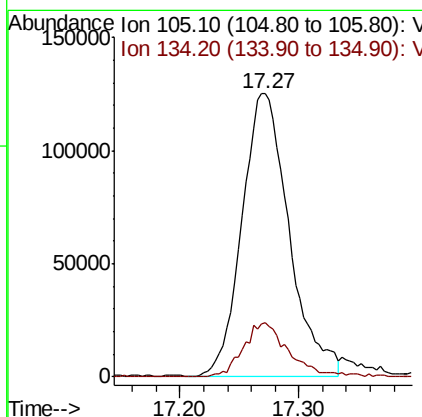
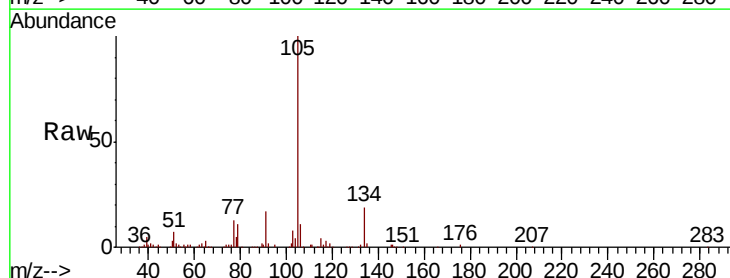
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

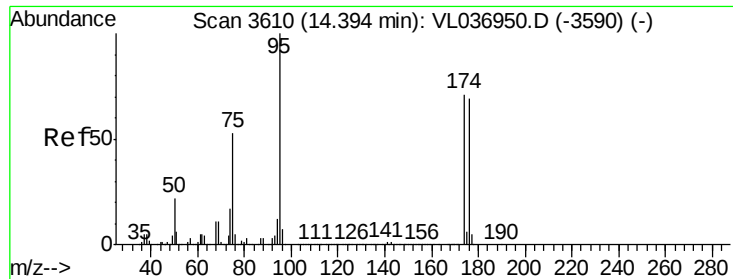
Tot Ion: 91 Resp: 191049
Ion Ratio Lower Upper
91 100
126 0.0 16.5 24.7#
128 0.1 5.5 8.3#



#67
sec-Butylbenzene
Concen: 0.504 ppbv
RT: 17.27 min Scan# 4505
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion: 105 Resp: 343028
Ion Ratio Lower Upper
105 100
134 18.7 15.6 23.4

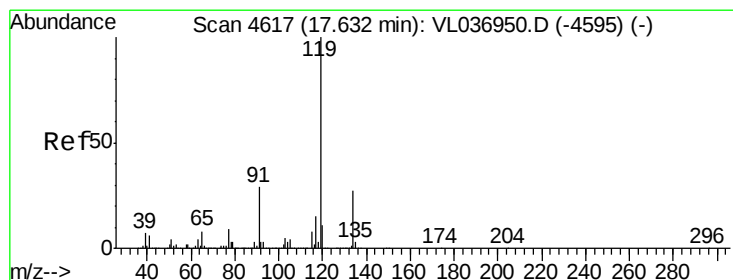
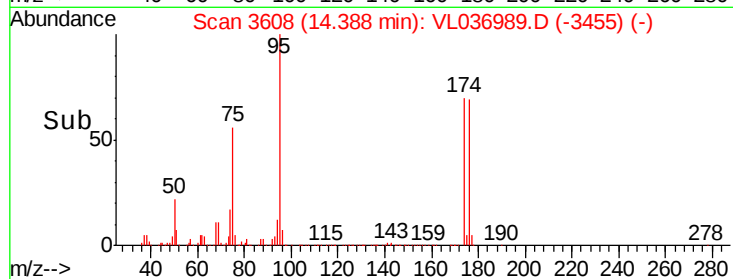
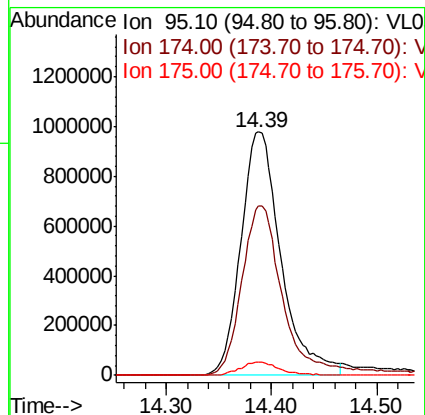
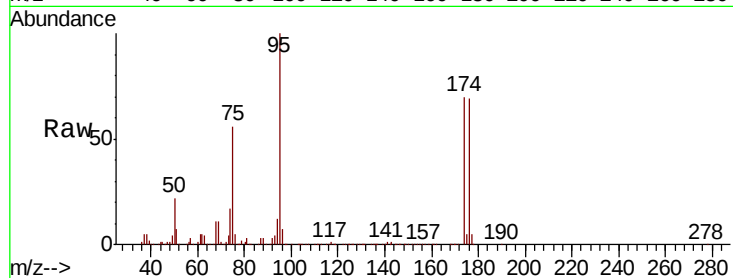




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.964 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.01 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

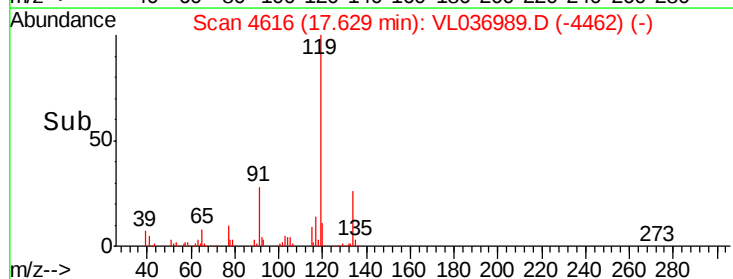
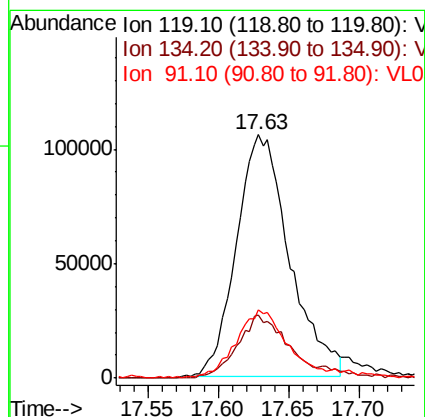
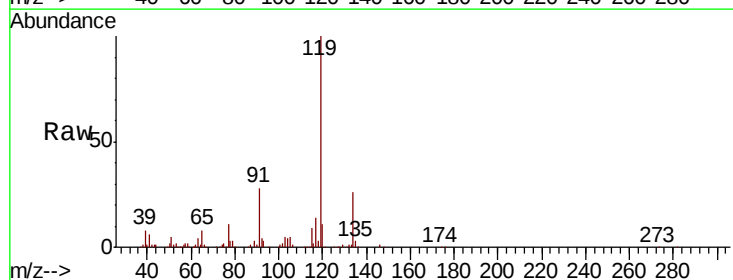
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

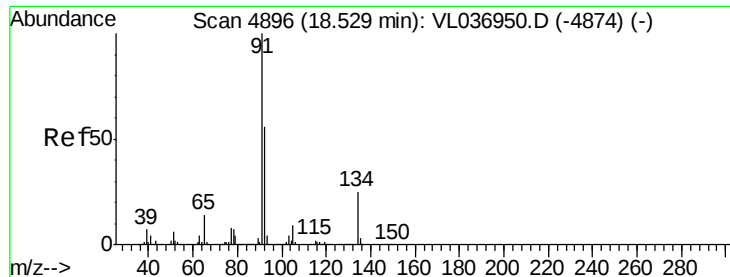
Tot Ion: 95 Resp: 2589272
 Ion Ratio Lower Upper
 95 100
 174 74.6 58.4 87.6
 175 5.5 4.4 6.6



#69
 p-Isopropyltoluene
 Concen: 0.476 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion: 119 Resp: 278638
 Ion Ratio Lower Upper
 119 100
 134 27.1 21.2 31.8
 91 29.6 22.2 33.4





#70

n-Butylbenzene

Concen: 0.438 ppbv

RT: 18.53 min Scan# 4897

Delta R.T. 0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

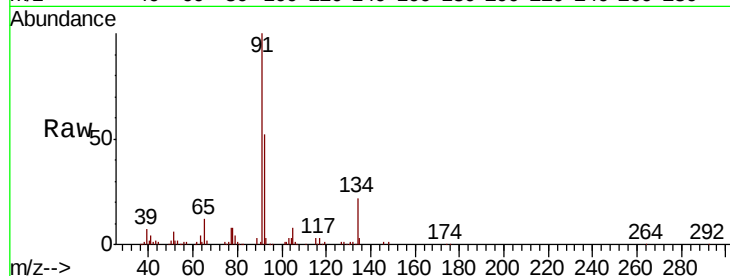
Tot Ion: 91 Resp: 243814

Ion Ratio Lower Upper

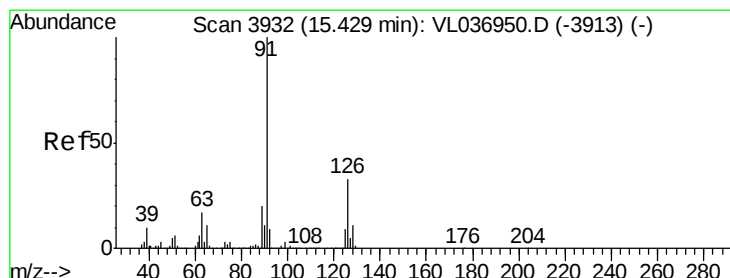
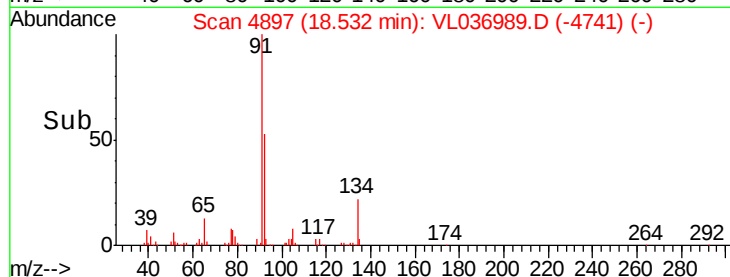
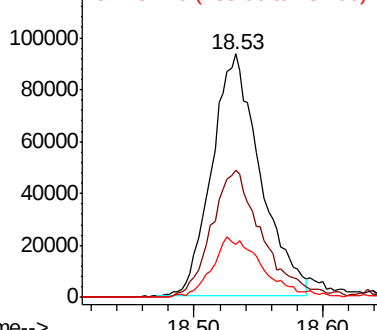
91 100

92 56.7 44.6 66.8

134 26.2 20.2 30.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.499 ppbv

RT: 15.42 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL036989.D

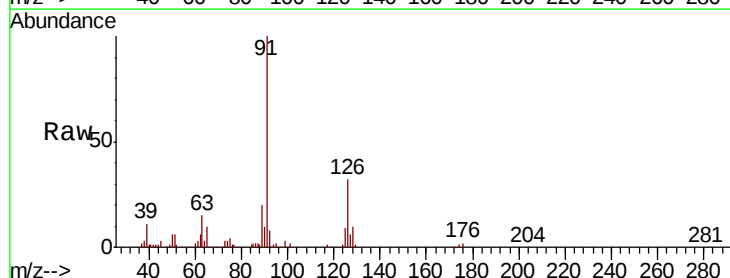
Acq: 19 May 2021 13:01

Tgt Ion: 91 Resp: 199291

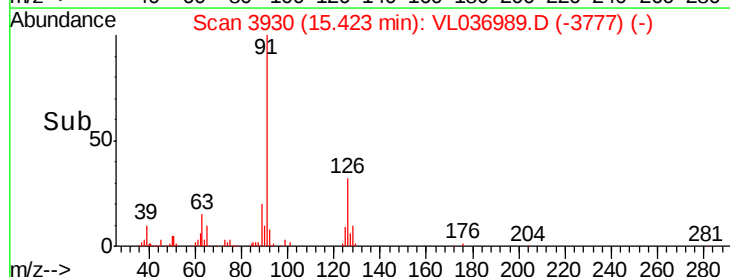
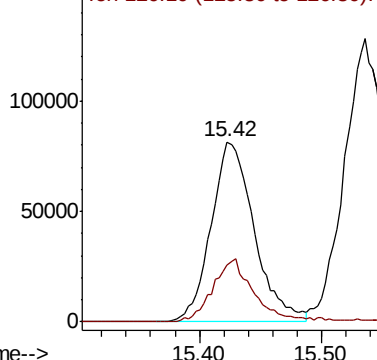
Ion Ratio Lower Upper

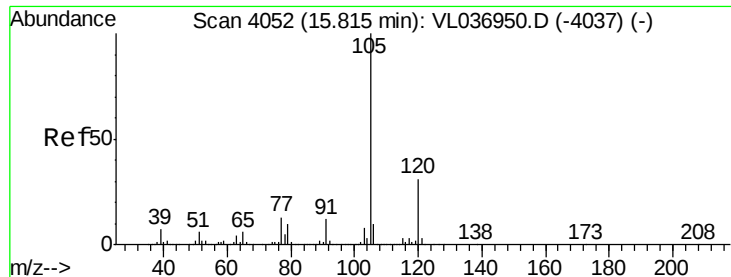
91 100

126 34.0 13.1 52.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.477 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

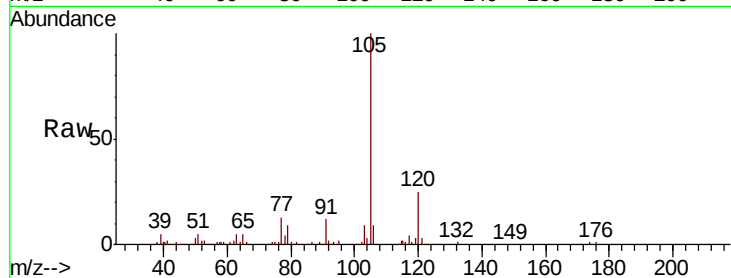
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:	105	Resp:	218073
Ion	Ratio	Lower	Upper
105	100		
120	30.9	24.6	37.0
91	13.2	9.8	14.6
77	14.2	10.4	15.6

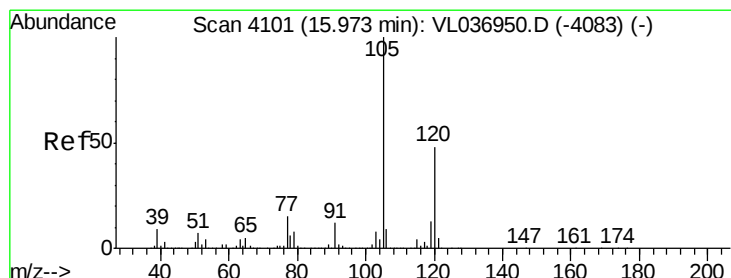
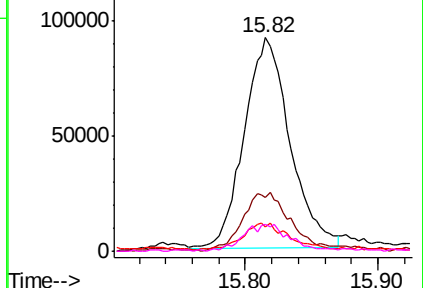
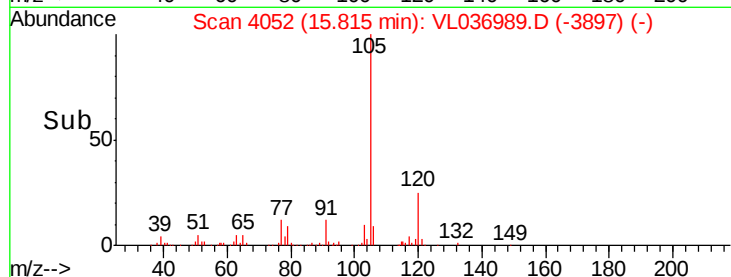


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.455 ppbv

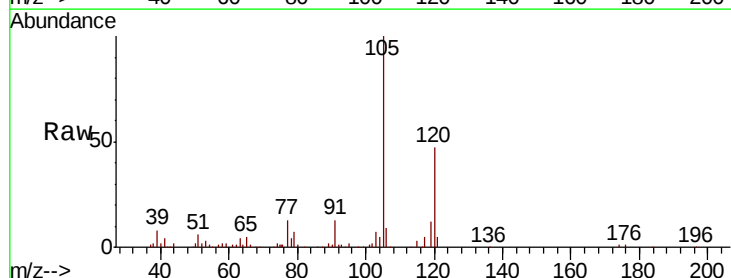
RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036989.D

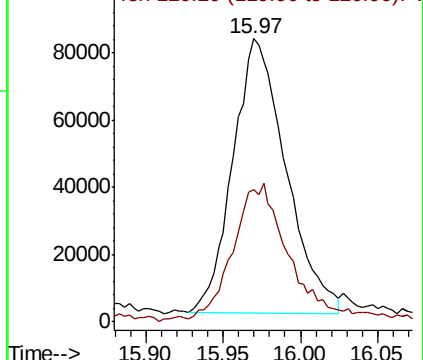
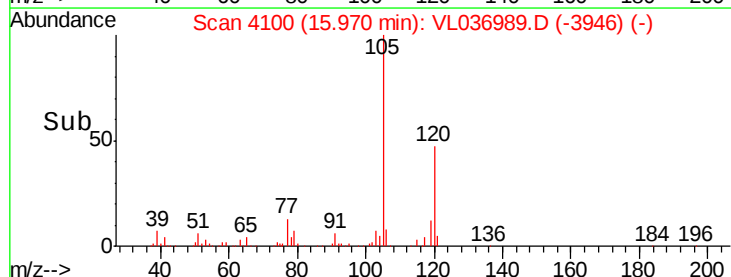
Acq: 19 May 2021 13:01

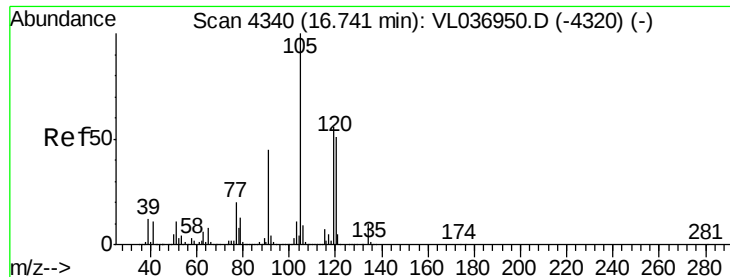
Tgt Ion:	105	Resp:	195148
Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.6	58.0



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: 0.482 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion:105 Resp: 213640

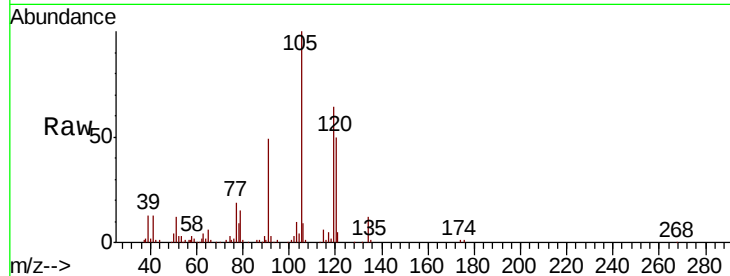
Ion Ratio Lower Upper

105 100

120 48.4 40.6 61.0

91 44.3 37.4 56.0

77 18.6 16.2 24.4

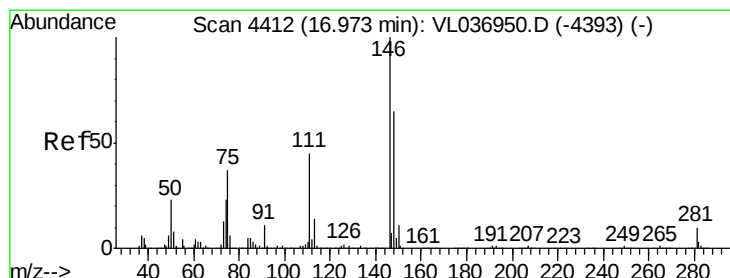
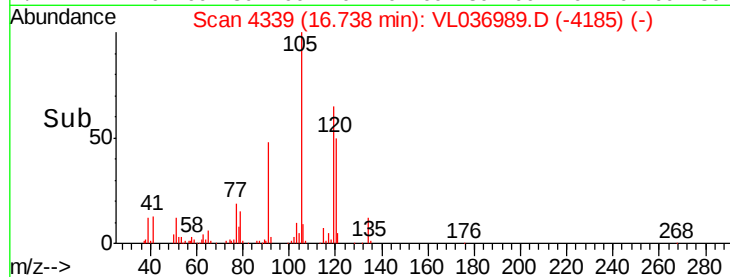
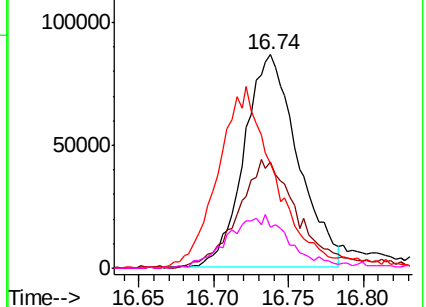


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.483 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

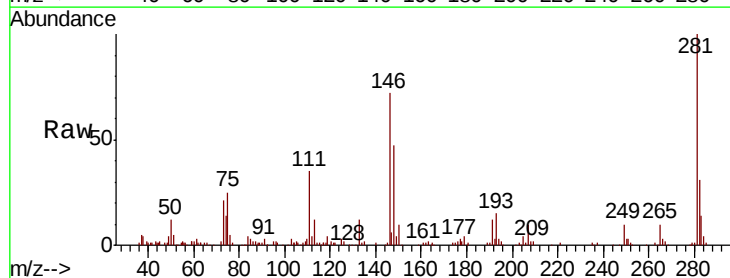
Tgt Ion:146 Resp: 130929

Ion Ratio Lower Upper

146 100

111 47.4 22.2 66.6

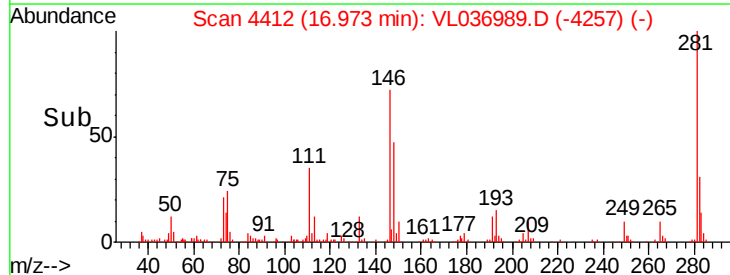
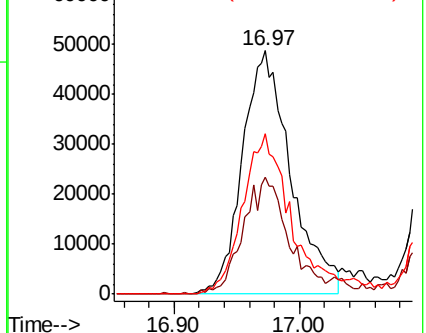
148 68.0 32.3 96.8

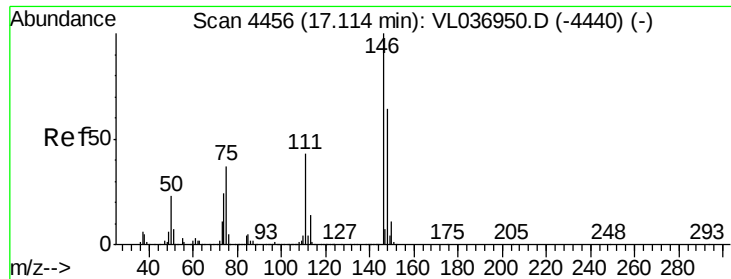


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

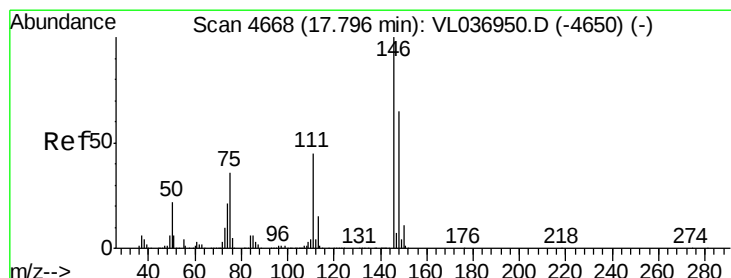
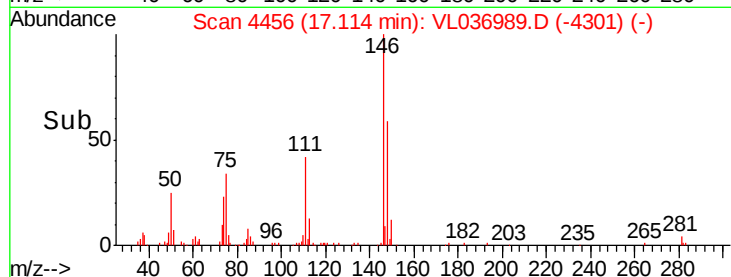
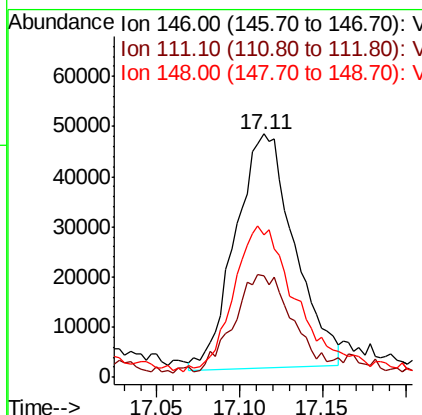
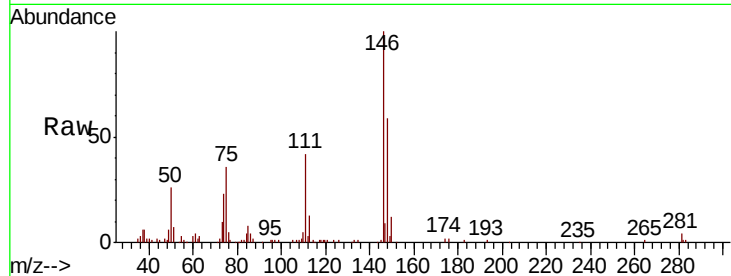




#76
 1,4-Dichlorobenzene
 Concen: 0.423 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

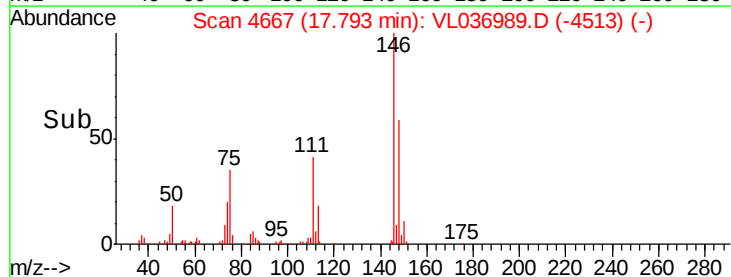
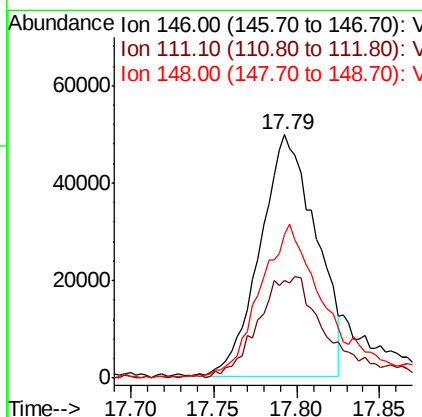
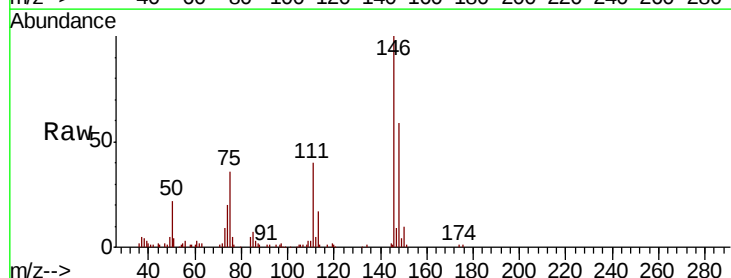
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

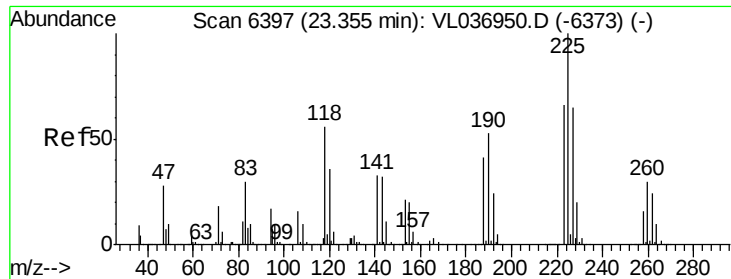
Tot Ion:146 Resp: 115753
 Ion Ratio Lower Upper
 146 100
 111 55.4 22.6 67.7
 148 76.0 33.5 100.5



#77
 1,2-Dichlorobenzene
 Concen: 0.428 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL036989.D
 Acq: 19 May 2021 13:01

Tgt Ion:146 Resp: 116100
 Ion Ratio Lower Upper
 146 100
 111 53.6 23.1 69.2
 148 77.6 32.5 97.4

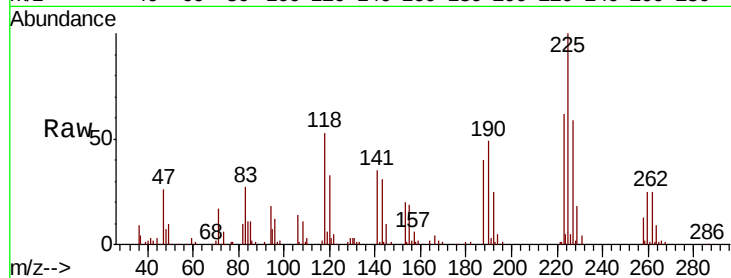




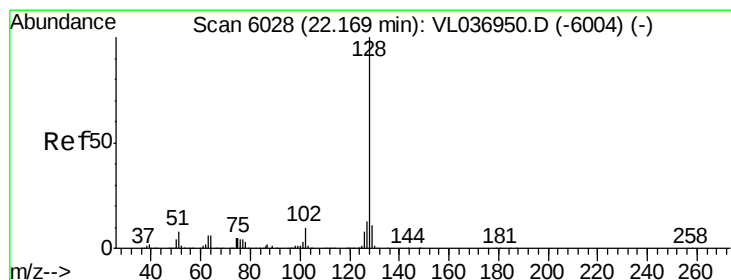
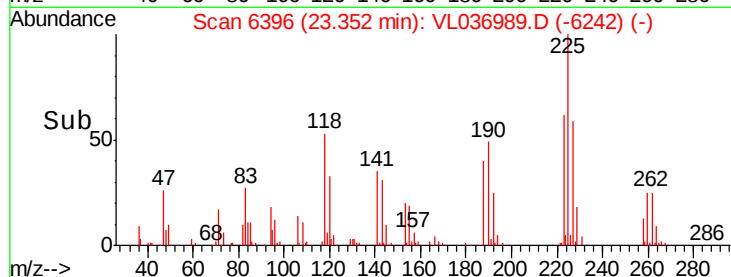
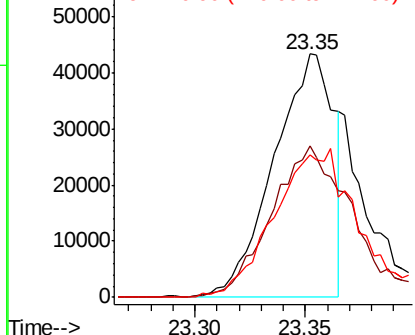
#78
Hexachloro-1,3-Butadiene
Concen: 0.372 ppbv
RT: 23.35 min Scan# 6396
Delta R.T. -0.00 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

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

Tot Ion:225 Resp: 81248
Ion Ratio Lower Upper
225 100
223 89.2 51.9 77.9#
227 88.4 51.8 77.6#

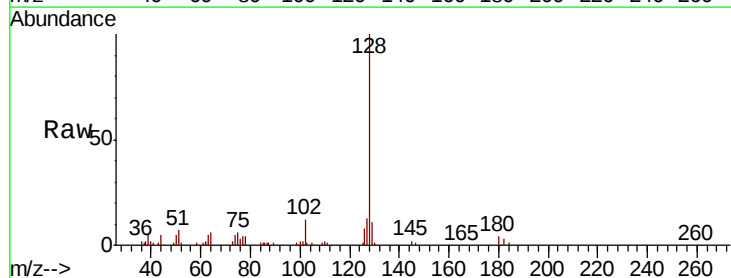


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V

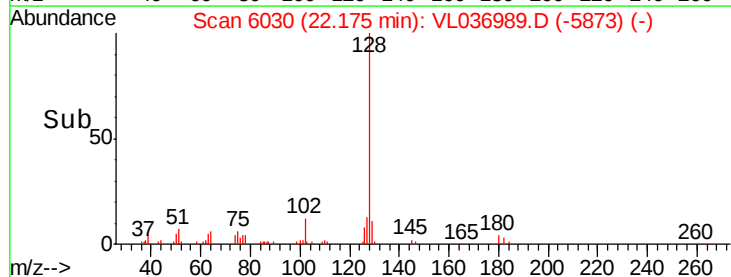
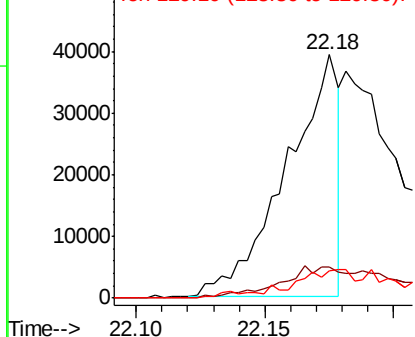


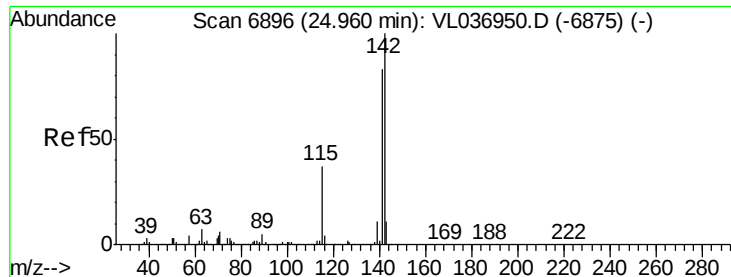
#79
Naphthalene
Concen: 0.157 ppbv
RT: 22.18 min Scan# 6030
Delta R.T. 0.01 min
Lab File: VL036989.D
Acq: 19 May 2021 13:01

Tgt Ion:128 Resp: 54686
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.2 9.0 13.6



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





#80

Naphthalene, 2-methyl-

Concen: 0.082 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.04 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2021

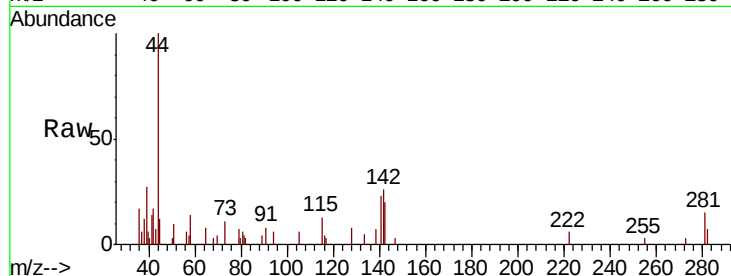
Tot Ion:142 Resp: 6187

Ion Ratio Lower Upper

142 100

141 36.9 69.3 103.9#

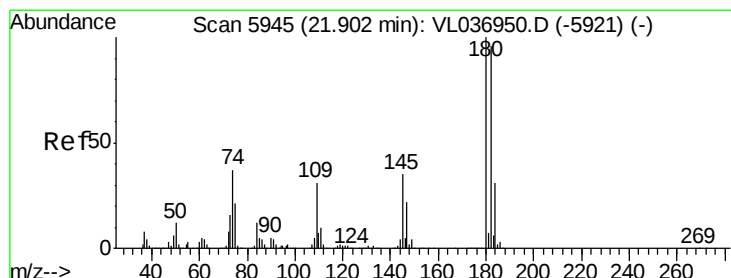
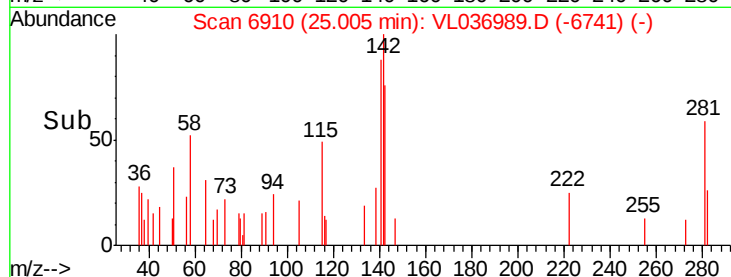
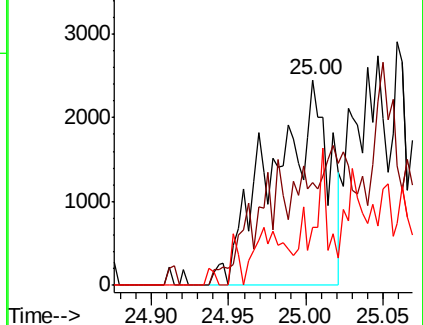
115 18.0 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.398 ppbv

RT: 21.91 min Scan# 5947

Delta R.T. 0.01 min

Lab File: VL036989.D

Acq: 19 May 2021 13:01

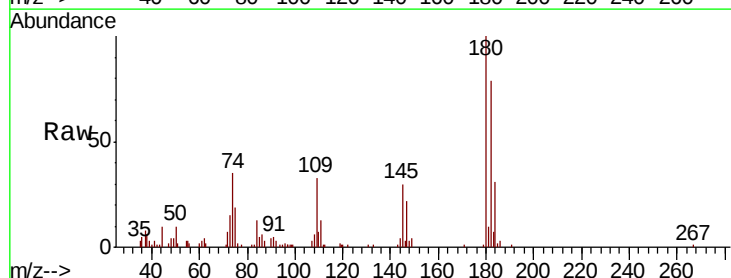
Tgt Ion:180 Resp: 84394

Ion Ratio Lower Upper

180 100

182 110.5 81.7 122.5

184 29.7 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

