

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036427.D
 Acq On : 2 Mar 2021 13:36
 Operator : SY/AP
 Sample : M1458-15 0.45
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

Quant Time: Mar 03 03:10:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1622152	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3612568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3171631	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2563220	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	135976	0.562 ppbv	99
3) Chlorodifluoromethane	2.98	51	105031	0.521 ppbv	100
4) Chloromethane	3.13	50	48465	0.498 ppbv	98
5) Vinyl Chloride	3.25	62	38622	0.426 ppbv	100
6) Bromomethane	3.47	94	24815	0.460 ppbv	100
7) Chloroethane	3.55	64	11302	0.351 ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	118585	0.539 ppbv	97
9) Propene	3.30	41	3264	0.043 ppbv	85
10) Heptane	8.11	43	43801	0.198 ppbv #	21
11) Trichlorofluoromethane	3.94	101	117192	0.494 ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.48	101	71613	0.488 ppbv	91
13) Ethanol	3.61	45	5691	0.403 ppbv #	1
14) Bromoethene	3.73	108	24994	0.407 ppbv #	80
15) Acetone	3.86	43	94933	0.479 ppbv #	69
16) 1,3-Butadiene	3.32	39	38228	0.403 ppbv	94
17) tert-Butyl alcohol	4.29	59	60857	0.395 ppbv	99
18) 1,1-Dichloroethene	4.28	96	27794	0.416 ppbv	96
19) Isopropyl Alcohol	3.97	45	43858	0.399 ppbv #	67
20) Methylene Chloride	4.33	84	34454	0.539 ppbv #	78
21) Allyl Chloride	4.40	41	43888	0.398 ppbv	90
22) trans-1,2-Dichloroethene	4.87	96	12833	0.212 ppbv #	81
23) Vinyl Acetate	5.07	43	82388	0.353 ppbv #	91
24) 1,1-Dichloroethane	5.00	63	42782	0.248 ppbv #	93
25) Ethyl Acetate	5.67	43	162548	0.425 ppbv	98
26) Hexane	5.67	57	65224	0.415 ppbv #	83
27) Carbon Disulfide	4.54	76	53328	0.369 ppbv #	75
28) Methyl tert-Butyl Ether	5.04	73	74302	0.362 ppbv	92
29) Chloroform	5.74	83	121667	0.480 ppbv	99
30) Cyclohexane	7.12	84	22842	0.175 ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	33545	0.216 ppbv	90
32) 1,1,1-Trichloroethane	6.50	97	52665	0.222 ppbv #	6
34) 2-Butanone	5.24	43	95996	0.400 ppbv	92
35) Carbon Tetrachloride	7.00	117	59712	0.247 ppbv	98
36) Benzene	6.88	78	127401	0.415 ppbv	96
37) 1,2-Dichloroethane	6.29	62	78419	0.413 ppbv #	94
38) Trichloroethene	7.82	130	25928	0.236 ppbv #	79
39) 1,2-Dichloropropane	7.60	63	54030	0.433 ppbv #	86
41) Tetrahydrofuran	6.06	42	30546	0.228 ppbv #	69
42) Bromodichloromethane	7.78	83	103660	0.408 ppbv #	99
43) Methyl Methacrylate	8.01	69	43983	0.340 ppbv	96
44) 2,2,4-Trimethylpentane	7.86	57	249425	0.447 ppbv	96

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

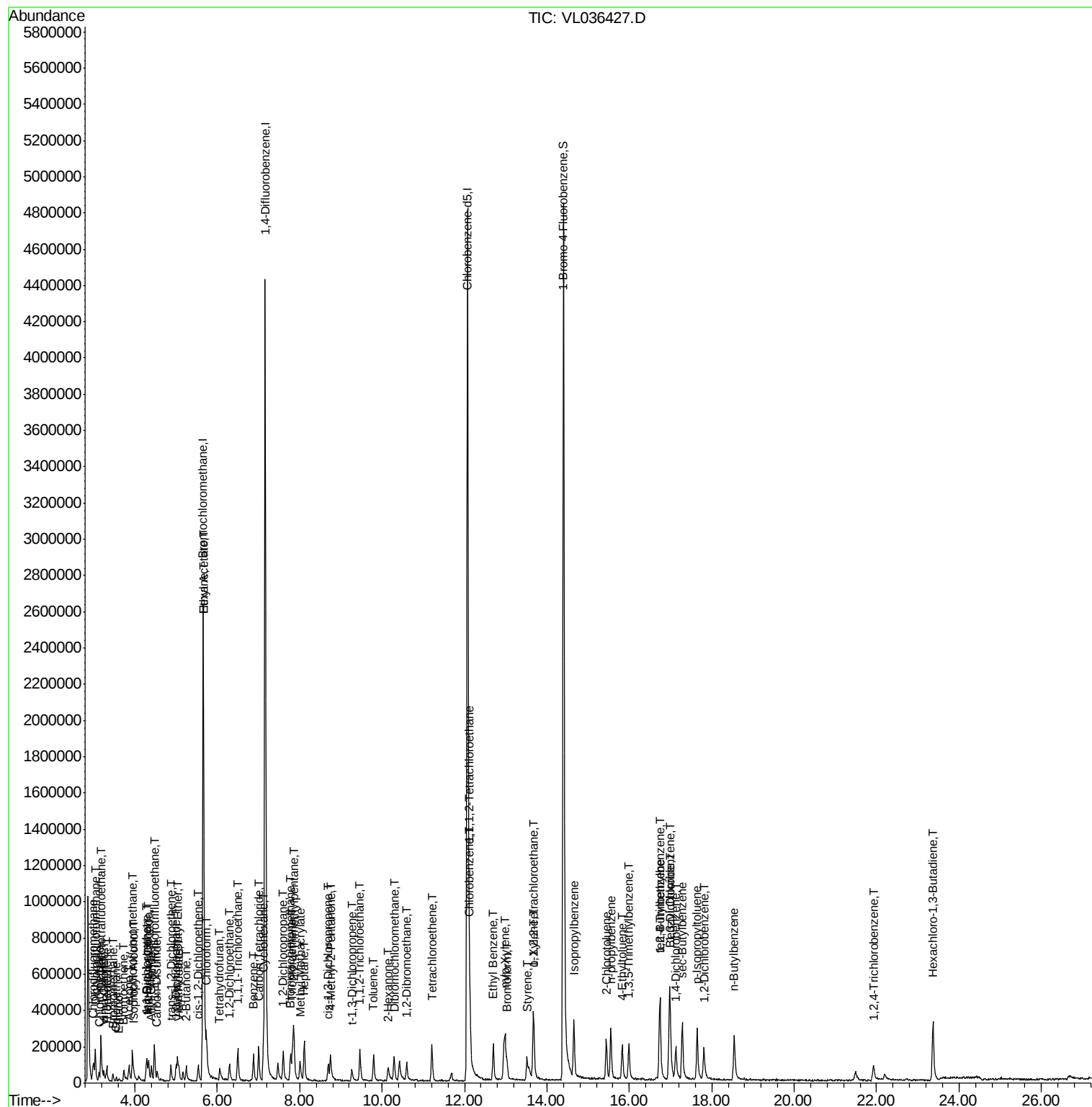
45) t-1,3-Dichloropropene	9.27	75	20563	0.165	ppbv	91
46) cis-1,3-Dichloropropene	8.69	75	47559	0.300	ppbv #	84
47) 1,1,2-Trichloroethane	9.46	97	59770	0.469	ppbv	91
48) Dibromochloromethane	10.28	129	35389	0.186	ppbv #	10
49) Bromoform	13.03	173	57337	0.373	ppbv	94
50) 4-Methyl-2-Pentanone	8.75	43	124172	0.348	ppbv	99
51) 2-Hexanone	10.14	43	23847	0.088	ppbv #	29
52) Tetrachloroethene	11.21	164	46458	0.414	ppbv #	82
53) Toluene	9.79	91	113501	0.341	ppbv	96
54) 1,2-Dibromoethane	10.60	107	45037	0.244	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	68774	0.471	ppbv #	1
57) Chlorobenzene	12.13	112	127733	0.521	ppbv	98
58) Ethyl Benzene	12.69	91	80175	0.185	ppbv	91
59) m/p-Xylene	12.99	91	59556	0.156	ppbv #	1
60) o-Xylene	13.68	91	166713	0.457	ppbv	98
61) Styrene	13.52	104	39105	0.173	ppbv #	34
62) Isopropylbenzene	14.66	105	255951	0.468	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	135398	0.470	ppbv	91
64) n-propylbenzene	15.55	120	43612	0.324	ppbv #	13
65) tert-Butylbenzene	16.74	119	201780	0.431	ppbv	95
66) Benzyl Chloride	17.00	91	6289	0.049	ppbv #	1
67) sec-Butylbenzene	17.29	105	295833	0.439	ppbv	99
69) p-Isopropyltoluene	17.65	119	197654	0.379	ppbv	92
70) n-Butylbenzene	18.55	91	197307	0.353	ppbv	97
71) 2-Chlorotoluene	15.44	91	171550	0.409	ppbv	97
72) 4-Ethyltoluene	15.84	105	51557	0.127	ppbv #	11
73) 1,3,5-Trimethylbenzene	15.99	105	68545	0.174	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.75	105	172470	0.429	ppbv	89
75) 1,3-Dichlorobenzene	16.99	146	54508	0.250	ppbv #	21
76) 1,4-Dichlorobenzene	17.13	146	88062	0.389	ppbv	83
77) 1,2-Dichlorobenzene	17.81	146	49132	0.227	ppbv #	12
78) Hexachloro-1,3-Butadiene	23.37	225	45884	0.260	ppbv #	30
81) 1,2,4-Trichlorobenzene	21.92	180	8482	0.058	ppbv #	10

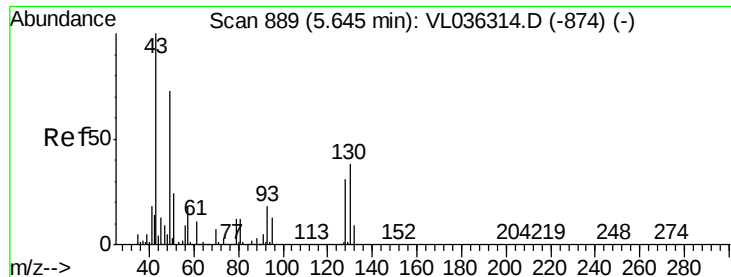
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

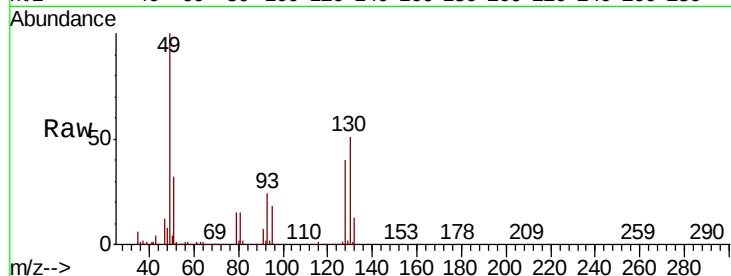
Tot Ion: 49 Resp: 1622152

Ion Ratio Lower Upper

49 100

128 41.5 20.8 62.5

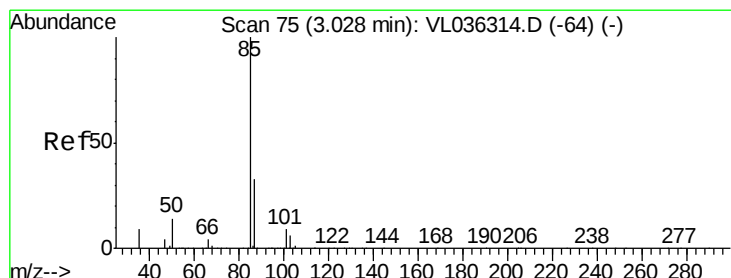
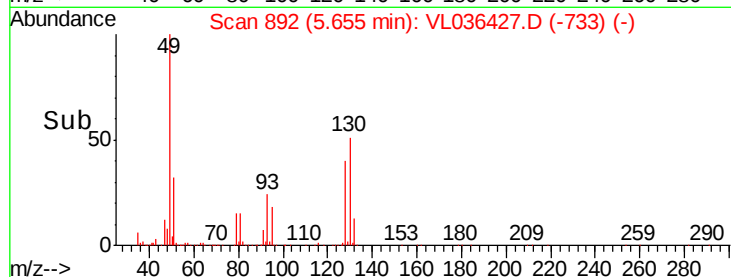
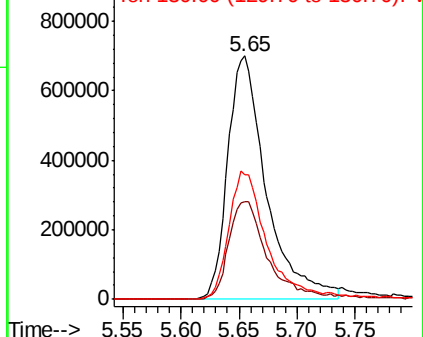
130 53.6 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.562 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL036427.D

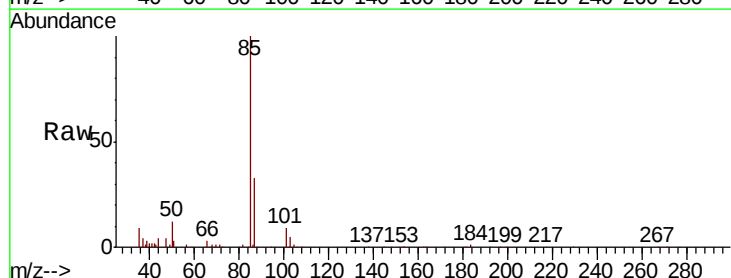
Acq: 2 Mar 2021 13:36

Tgt Ion: 85 Resp: 135976

Ion Ratio Lower Upper

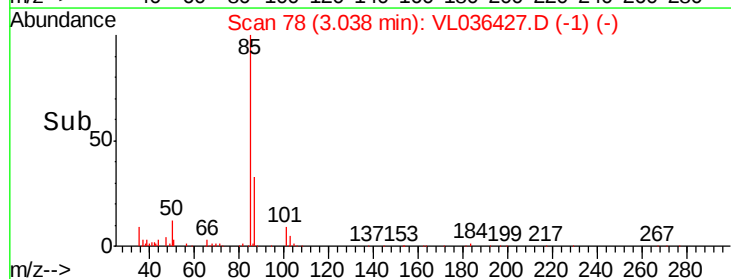
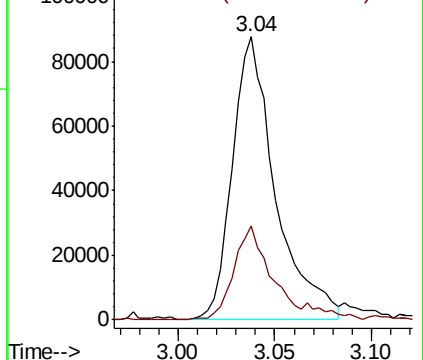
85 100

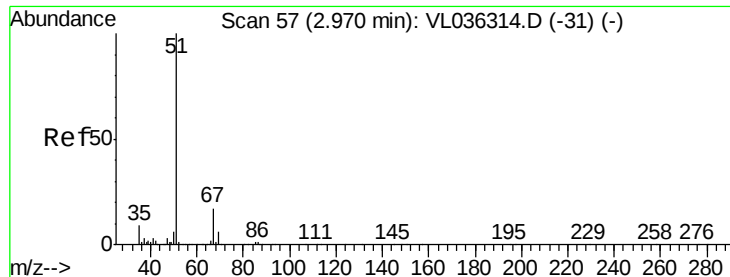
87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.521 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

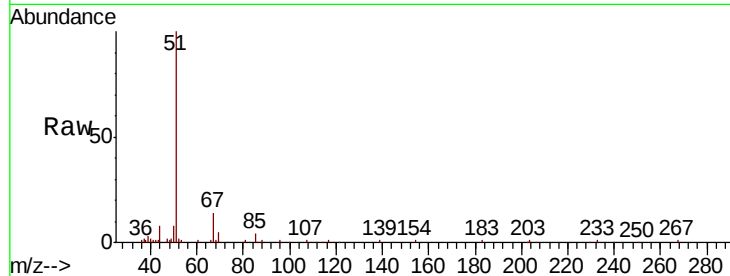
MDL-AIR-01-QT1-2021

Tot Ion: 51 Resp: 105031

Ion Ratio Lower Upper

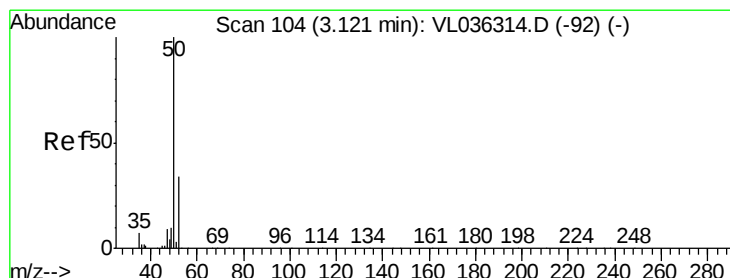
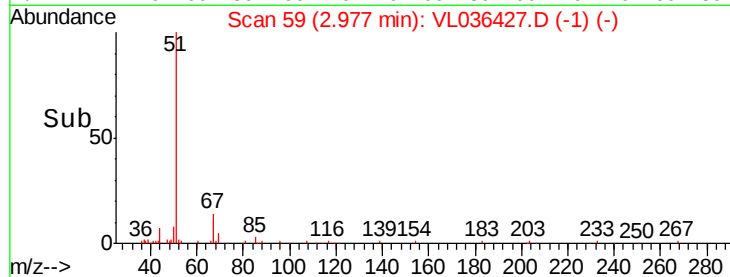
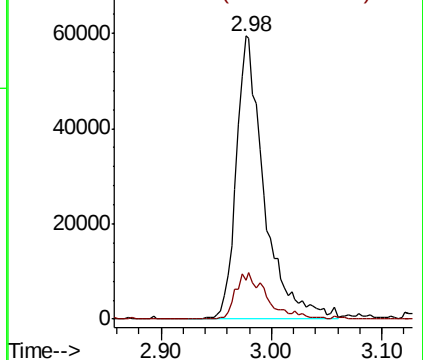
51 100

67 18.6 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.498 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL036427.D

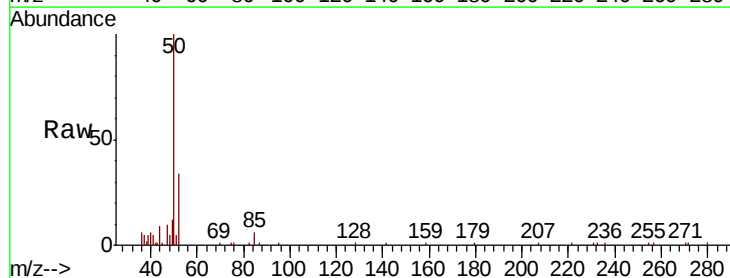
Acq: 2 Mar 2021 13:36

Tgt Ion: 50 Resp: 48465

Ion Ratio Lower Upper

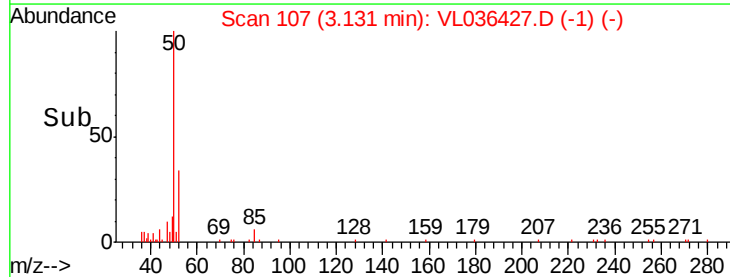
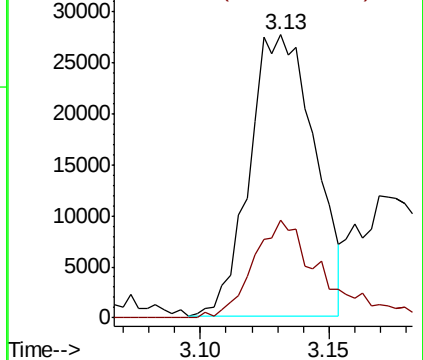
50 100

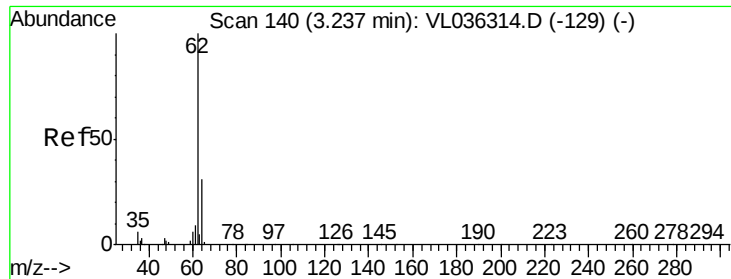
52 34.6 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.426 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

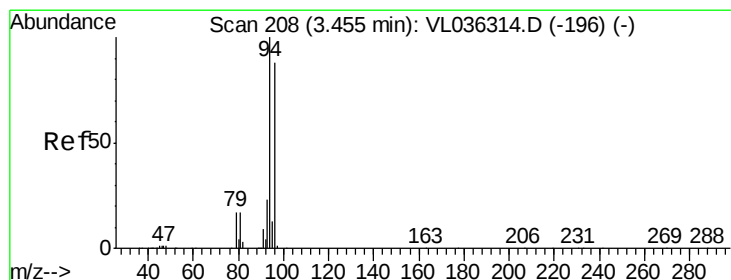
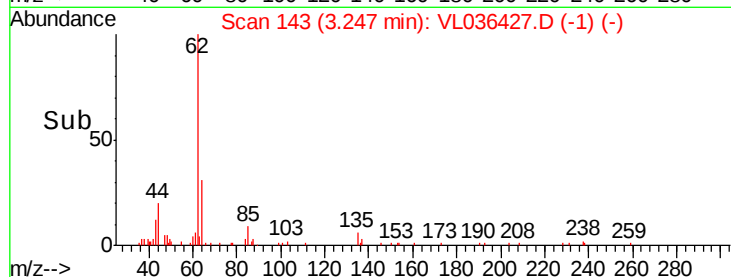
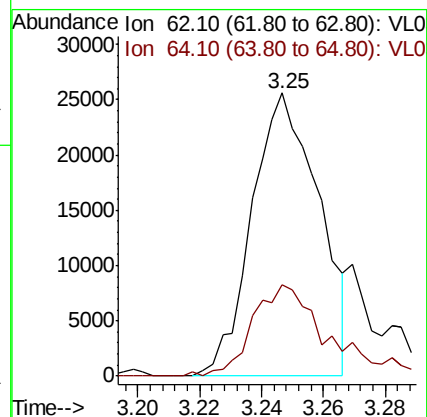
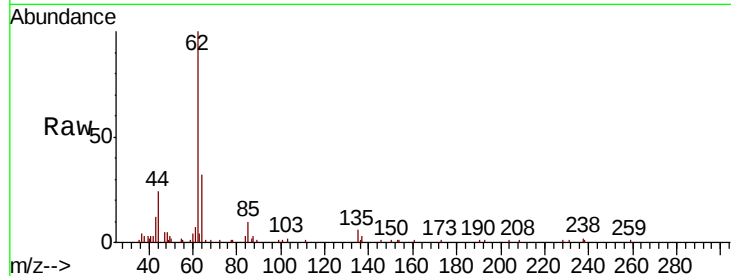
MDL-AIR-01-QT1-2021

Tot Ion: 62 Resp: 38622

Ion Ratio Lower Upper

62 100

64 30.7 24.4 36.6



#6

Bromomethane

Concen: 0.460 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.01 min

Lab File: VL036427.D

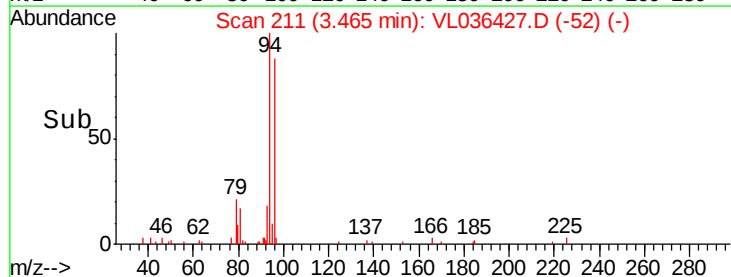
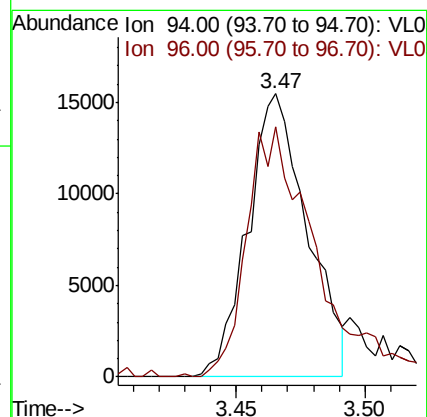
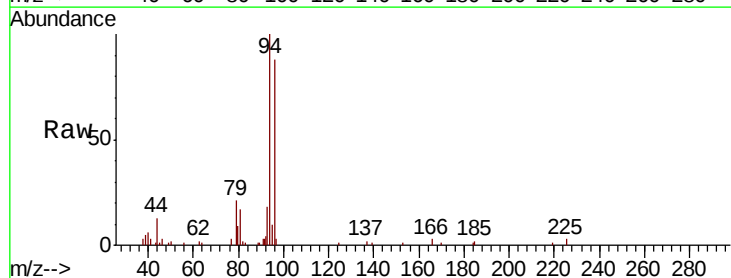
Acq: 2 Mar 2021 13:36

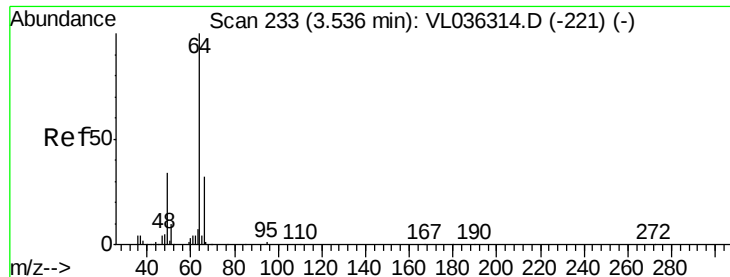
Tgt Ion: 94 Resp: 24815

Ion Ratio Lower Upper

94 100

96 88.3 70.8 106.2





#7

Chloroethane

Concen: 0.351 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

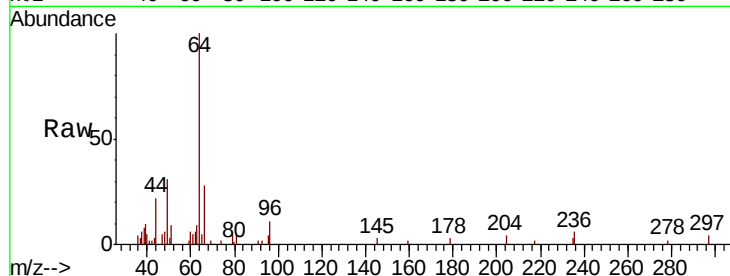
MDL-AIR-01-QT1-2021

Tot Ion: 64 Resp: 11302

Ion Ratio Lower Upper

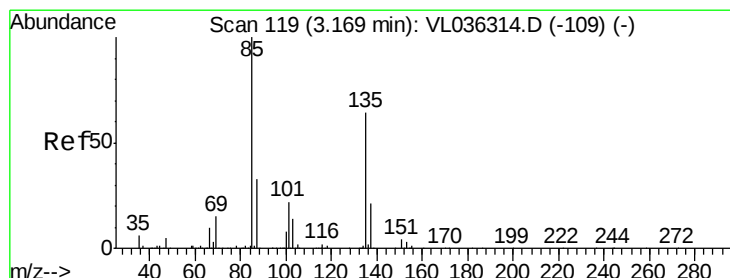
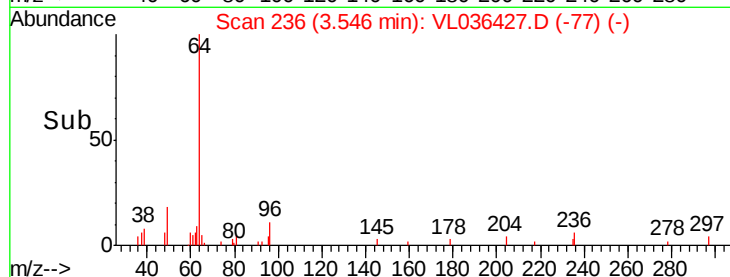
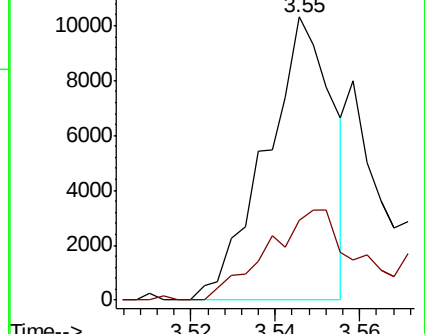
64 100

66 28.3 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.539 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036427.D

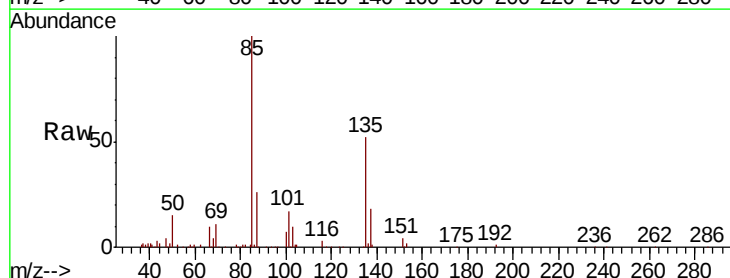
Acq: 2 Mar 2021 13:36

Tgt Ion: 85 Resp: 118585

Ion Ratio Lower Upper

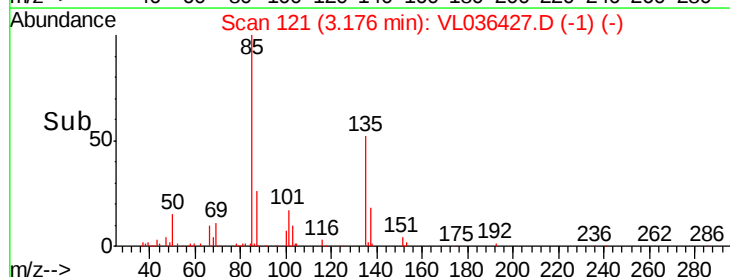
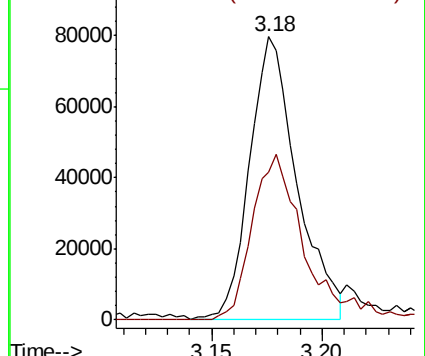
85 100

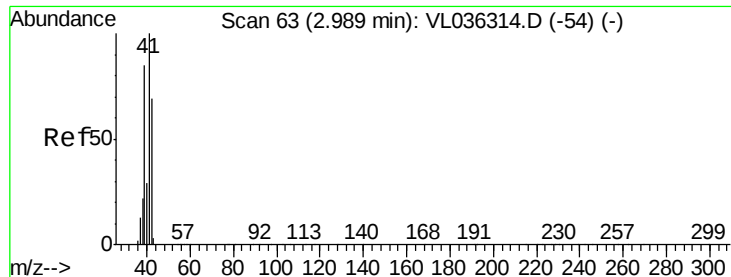
135 66.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.043 ppbv

RT: 3.30 min Scan# 161

Delta R.T. 0.32 min

Lab File: VL036427.D

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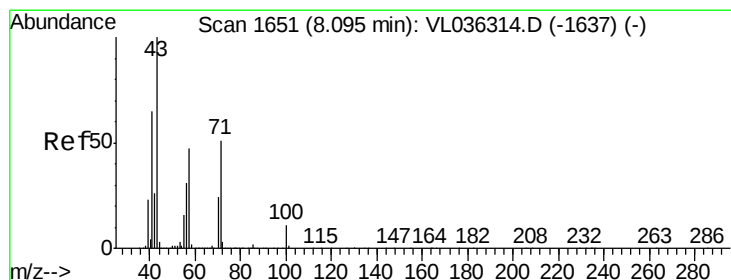
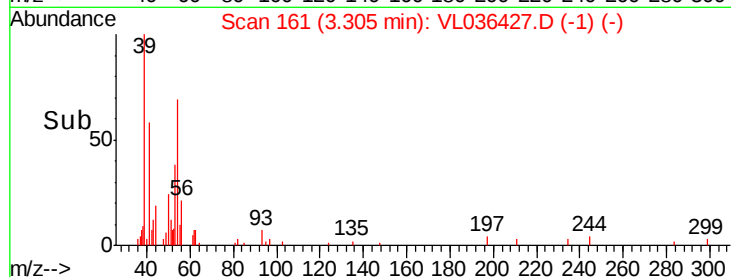
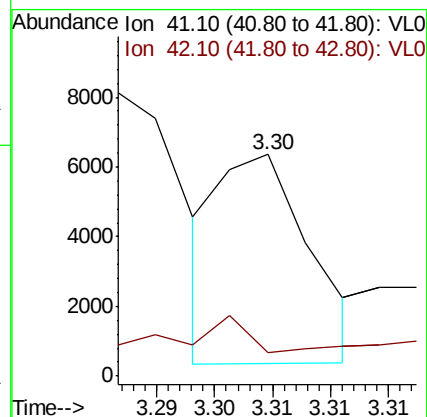
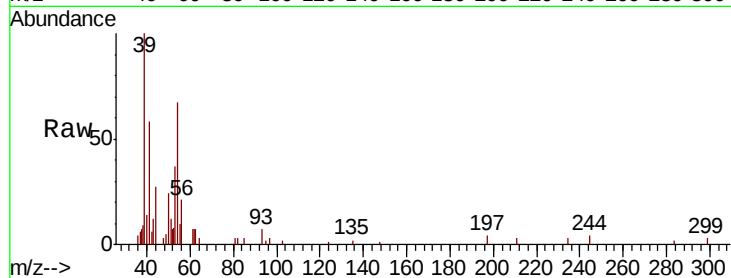
MDL-AIR-01-QT1-2021

Tot Ion: 41 Resp: 3264

Ion Ratio Lower Upper

41 100

42 57.9 56.2 84.2



#10

Heptane

Concen: 0.198 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.02 min

Lab File: VL036427.D

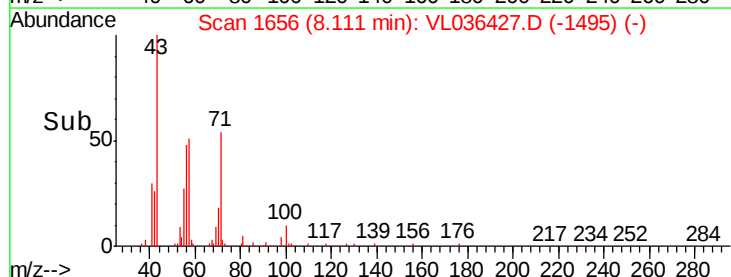
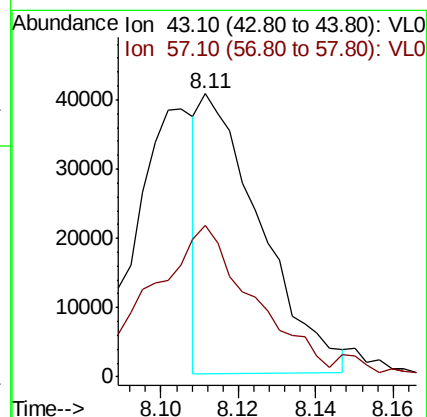
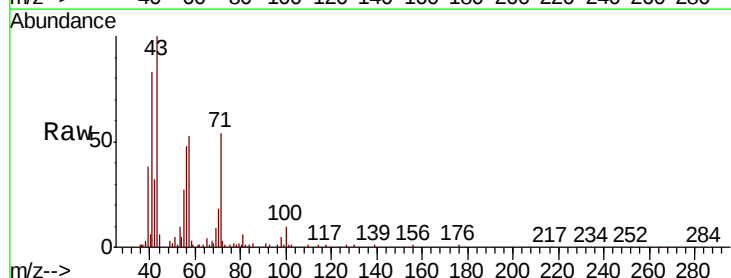
Acq: 2 Mar 2021 13:36

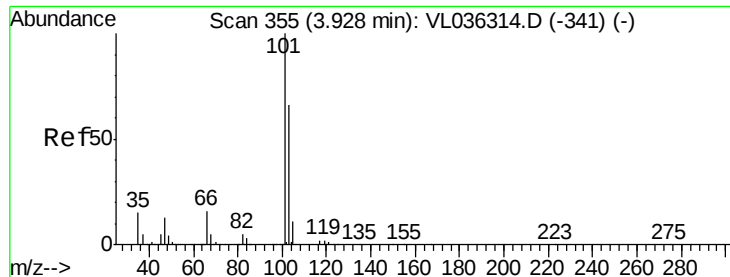
Tgt Ion: 43 Resp: 43801

Ion Ratio Lower Upper

43 100

57 103.2 39.4 59.2#





#11

Trichlorofluoromethane

Concen: 0.494 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL036427.D

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MSVOA_L

ClientSampleId :

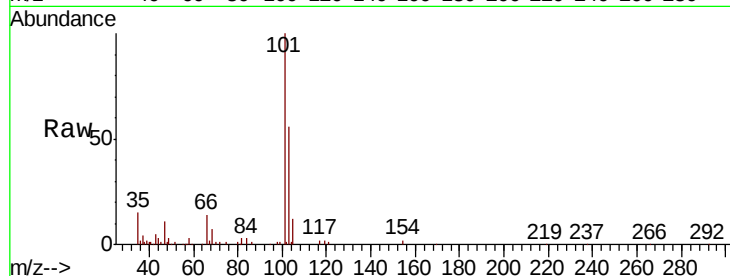
MDL-AIR-01-QT1-2021

Tot Ion:101 Resp: 117192

Ion Ratio Lower Upper

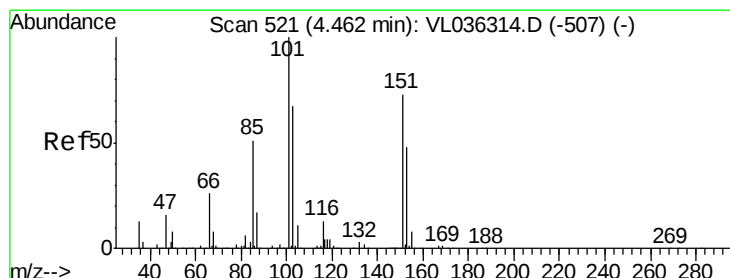
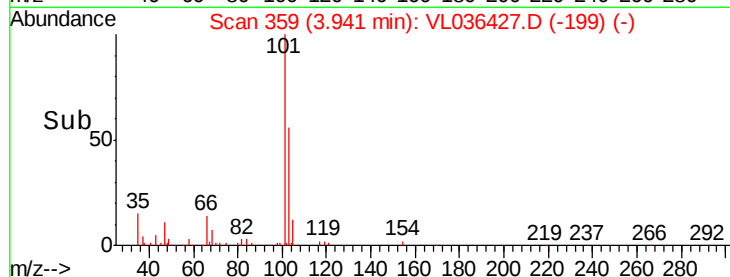
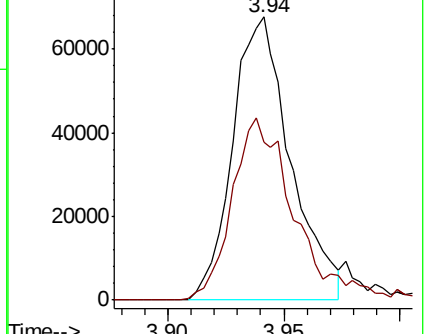
101 100

103 55.4 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.488 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.02 min

Lab File: VL036427.D

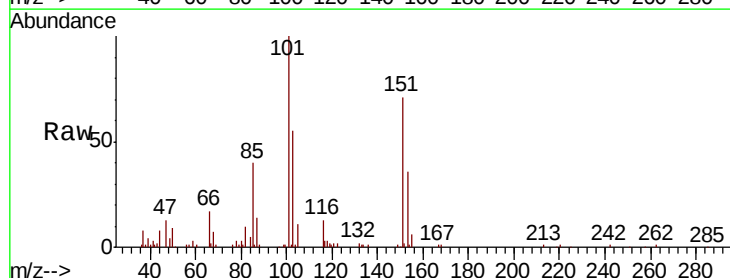
Acq: 2 Mar 2021 13:36

Tgt Ion:101 Resp: 71613

Ion Ratio Lower Upper

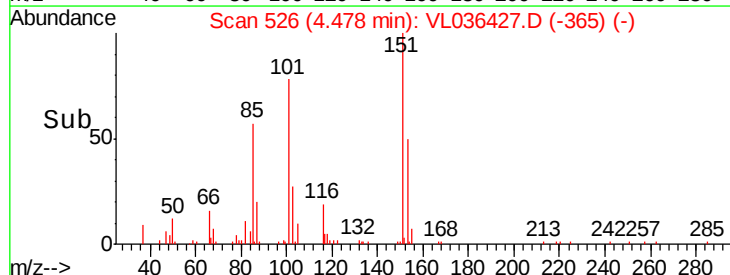
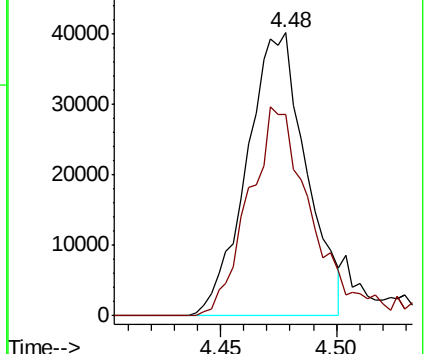
101 100

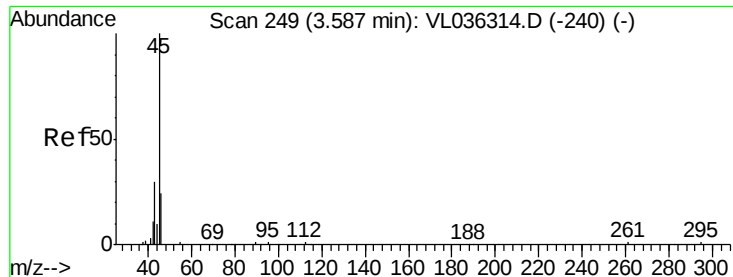
151 80.0 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

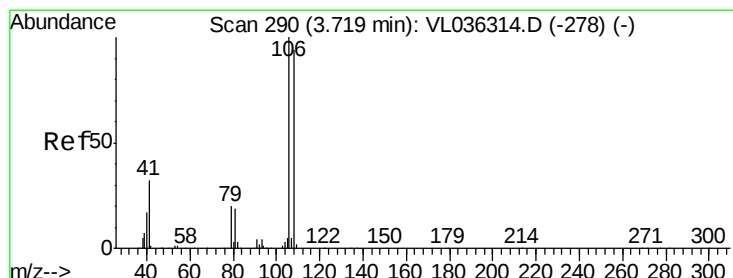
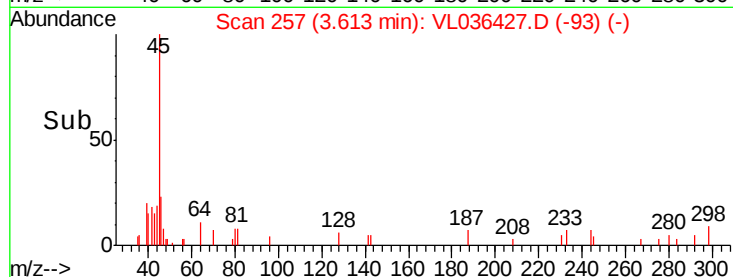
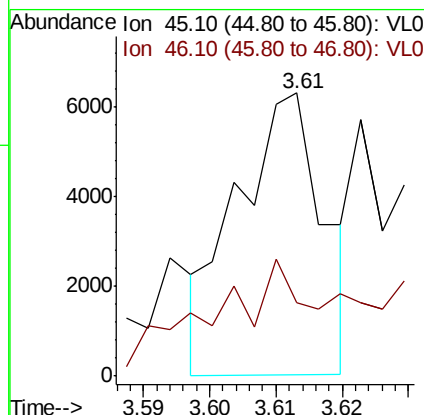
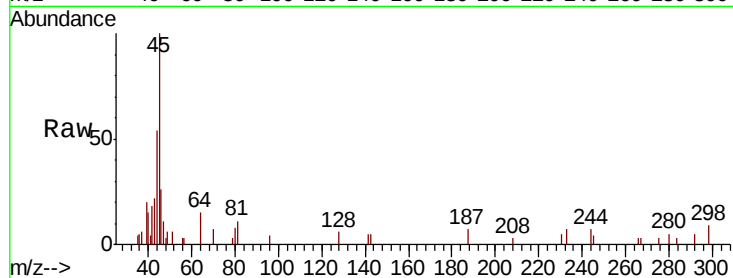




#13
Ethanol
Concen: 0.403 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.03 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

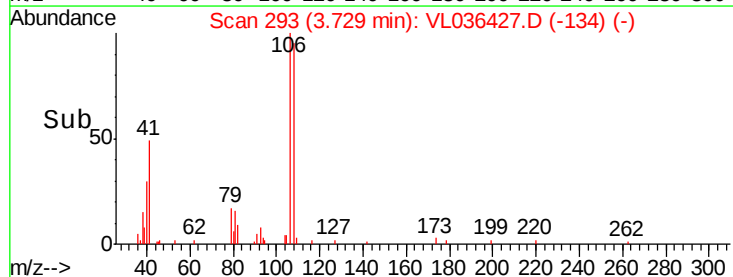
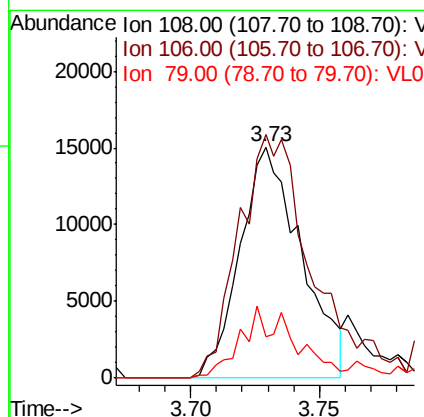
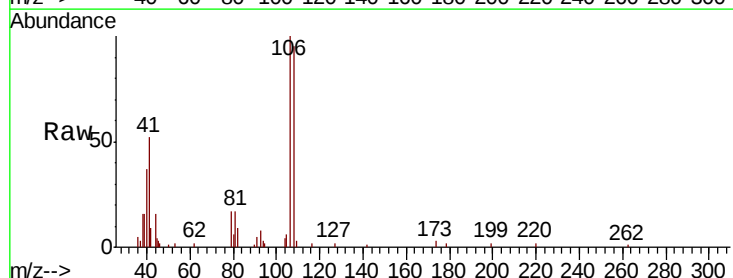
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

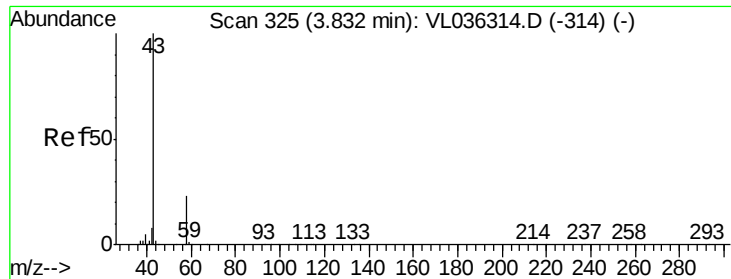
Tot Ion: 45 Resp: 5691
Ion Ratio Lower Upper
45 100
46 114.4 17.7 70.7#



#14
Bromoethene
Concen: 0.407 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 108 Resp: 24994
Ion Ratio Lower Upper
108 100
106 134.1 89.8 134.8
79 30.2 17.1 25.7#

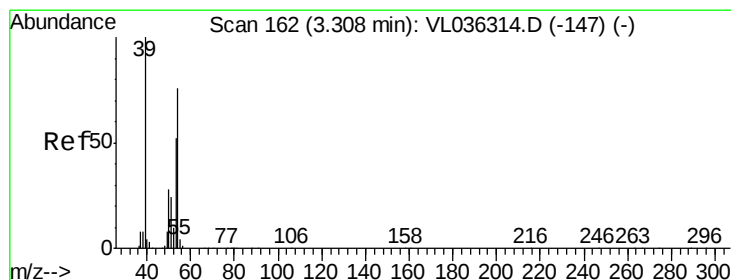
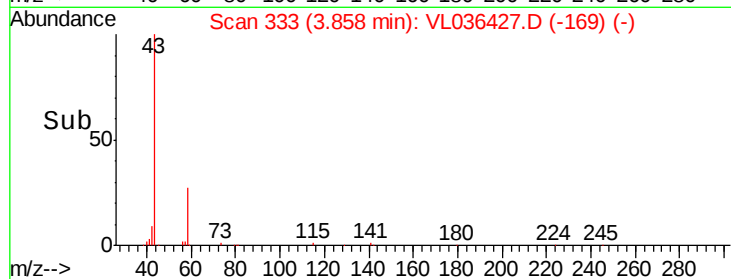
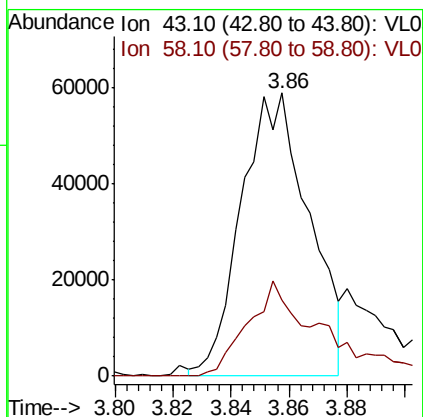
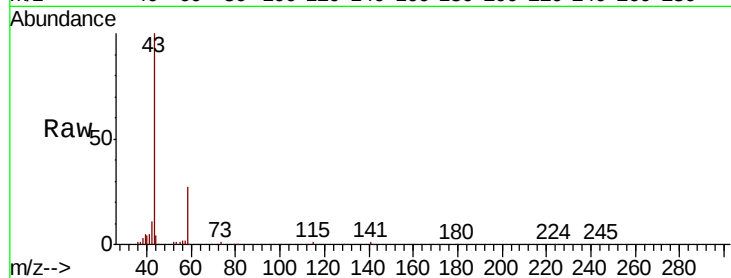




#15
Acetone
Concen: 0.479 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.03 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

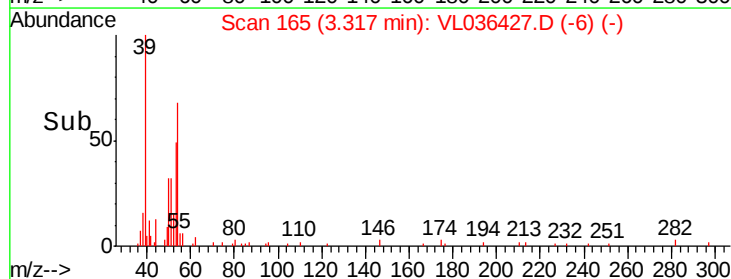
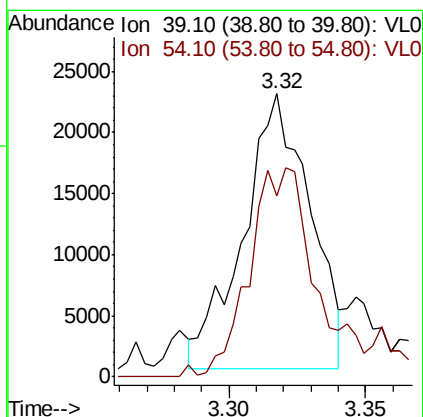
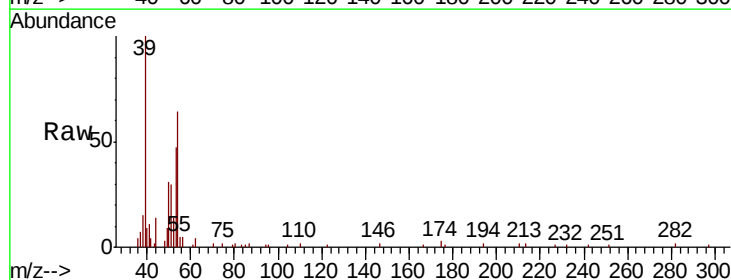
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

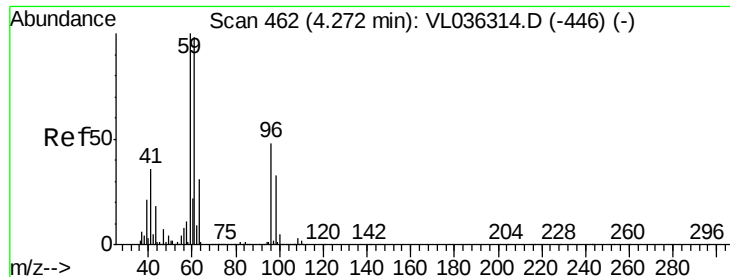
Tot Ion: 43 Resp: 94933
Ion Ratio Lower Upper
43 100
58 41.2 20.3 30.5#



#16
1,3-Butadiene
Concen: 0.403 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 39 Resp: 38228
Ion Ratio Lower Upper
39 100
54 85.8 64.4 96.6



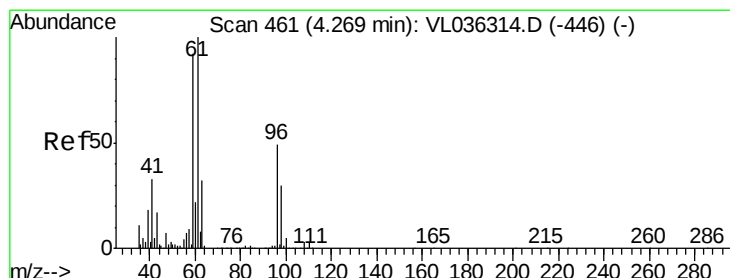
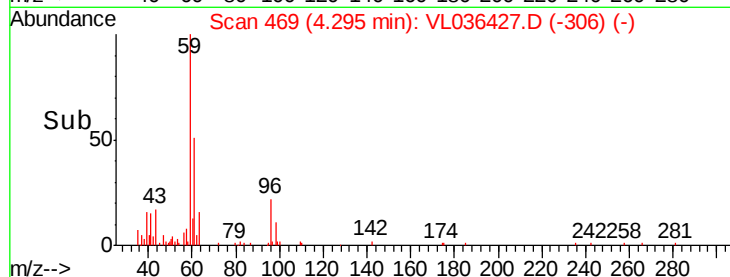
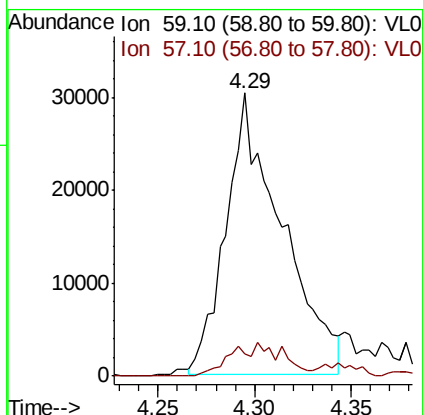
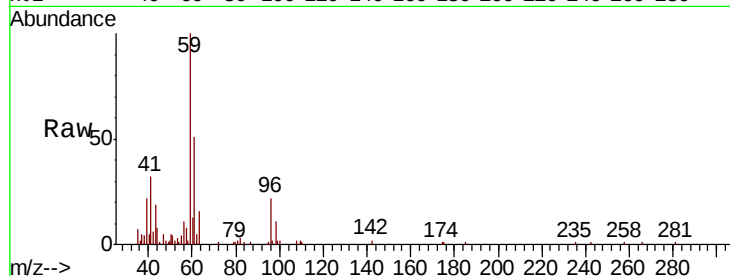


#17

tert-Butyl alcohol
 Concen: 0.395 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

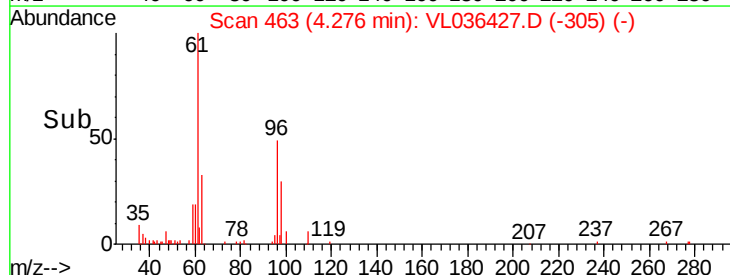
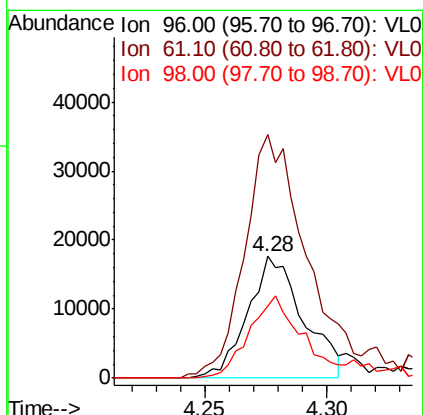
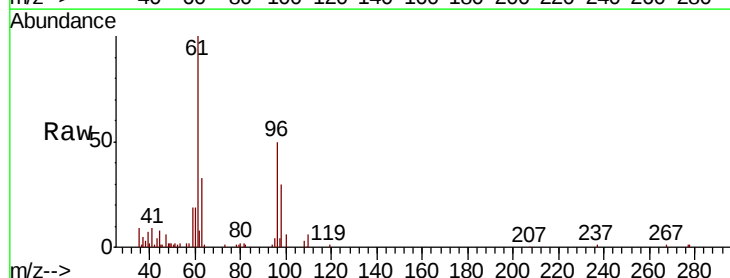
Tot Ion: 59 Resp: 60857
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.4

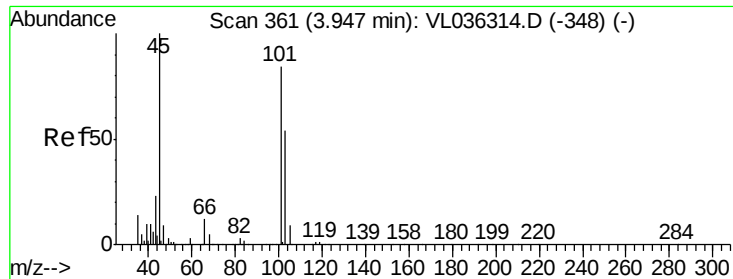


#18

1,1-Dichloroethene
 Concen: 0.416 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion: 96 Resp: 27794
 Ion Ratio Lower Upper
 96 100
 61 196.5 162.5 243.7
 98 59.2 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.399 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

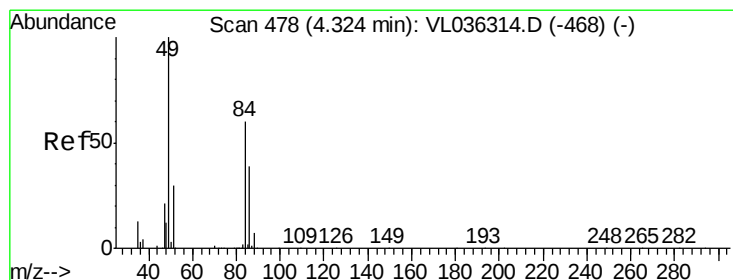
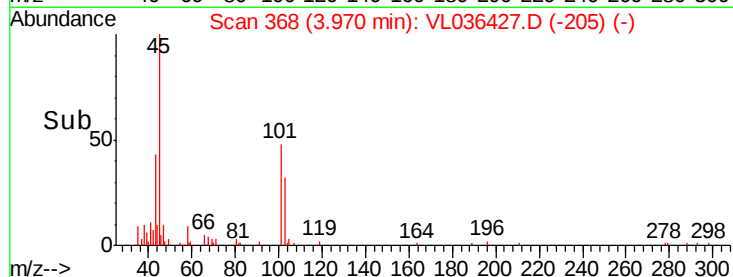
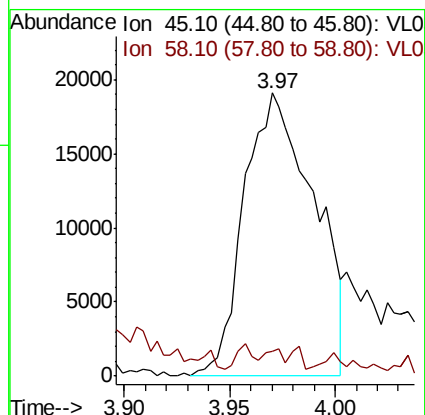
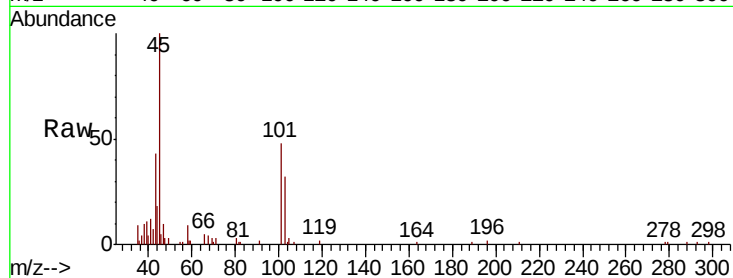
MDL-AIR-01-QT1-2021

Tot Ion: 45 Resp: 43858

Ion Ratio Lower Upper

45 100

58 13.7 1.9 2.9#



#20

Methylene Chloride

Concen: 0.539 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion: 84 Resp: 34454

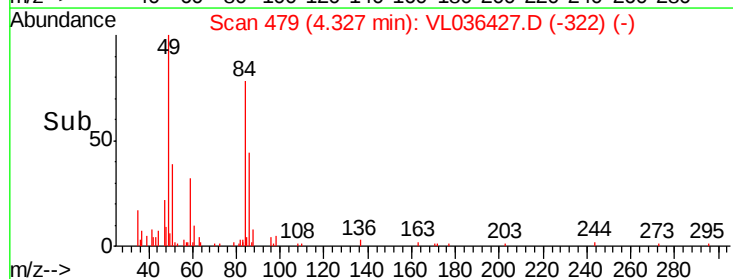
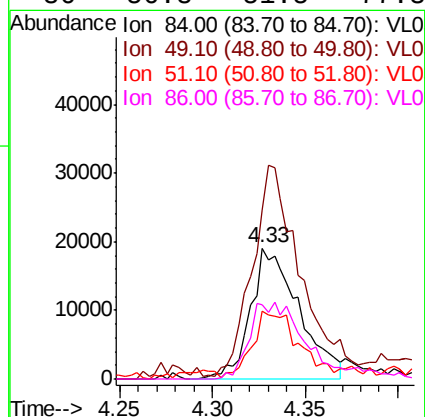
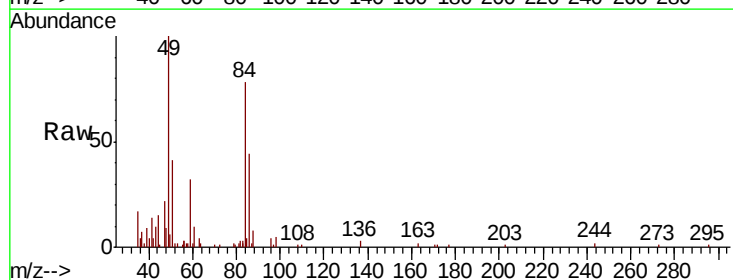
Ion Ratio Lower Upper

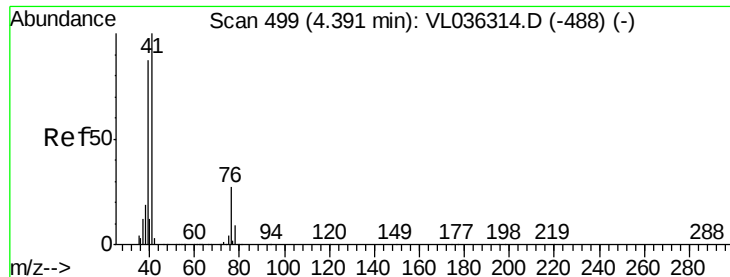
84 100

49 125.9 133.8 200.8#

51 44.6 41.4 62.0

86 56.8 51.5 77.3

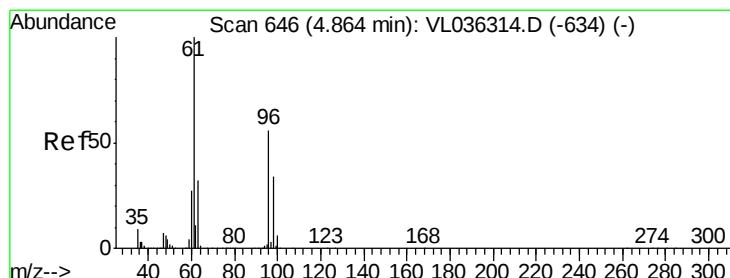
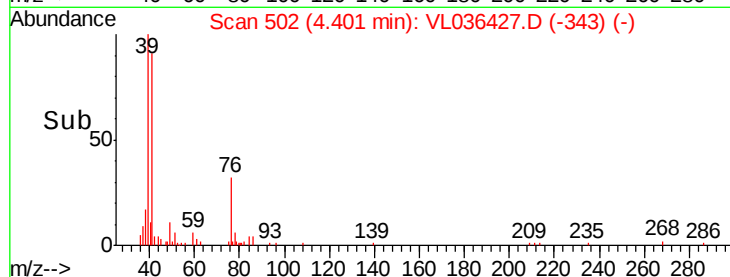
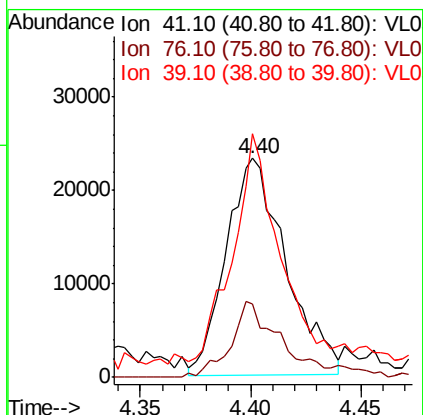
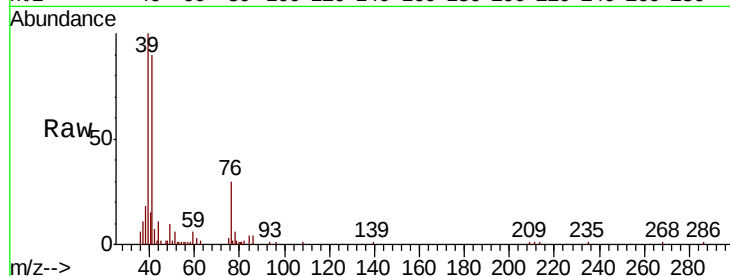




#21
Allvl Chloride
Concen: 0.398 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

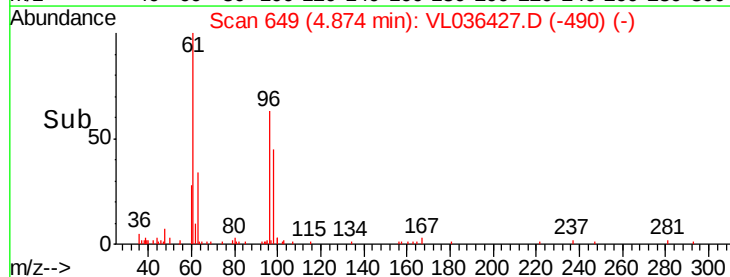
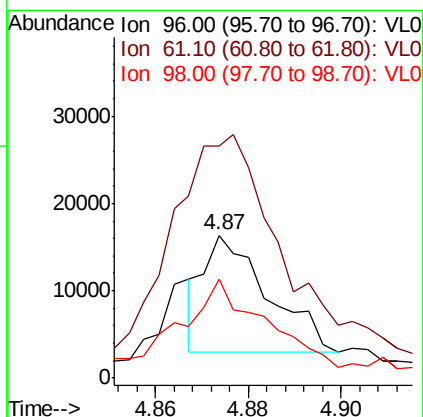
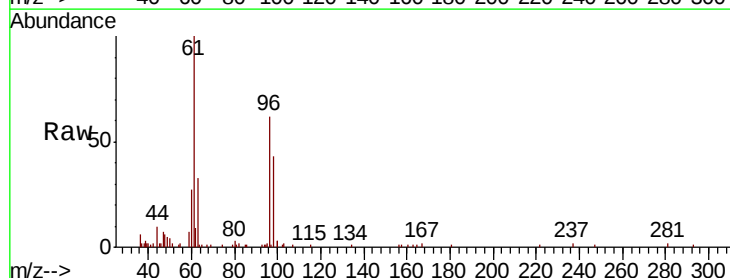
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

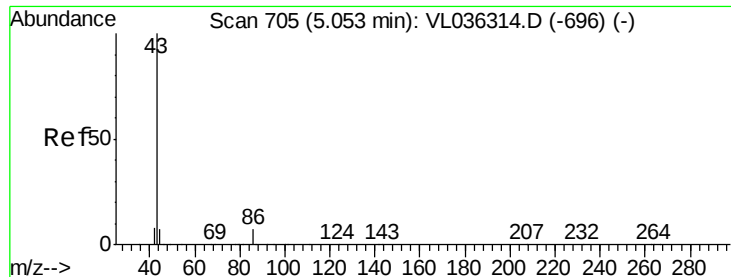
Tot Ion: 41 Resp: 43888
Ion Ratio Lower Upper
41 100
76 31.6 22.0 33.0
39 97.5 70.2 105.2



#22
trans-1,2-Dichloroethene
Concen: 0.212 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 96 Resp: 12833
Ion Ratio Lower Upper
96 100
61 152.7 143.7 215.5
98 74.9 48.5 72.7#





#23

Vinyl Acetate

Concen: 0.353 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 43 Resp: 82388

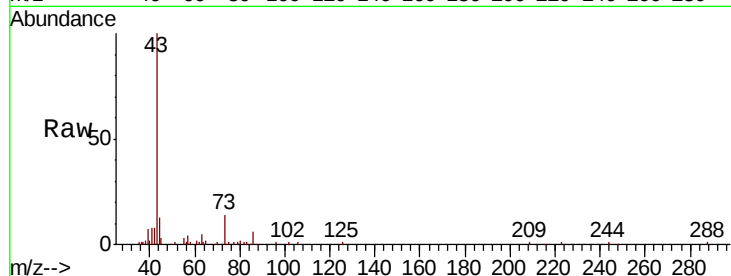
Ion Ratio Lower Upper

43 100

86 5.9 4.8 7.2

42 5.0 7.4 11.0#

44 10.9 4.8 7.2#

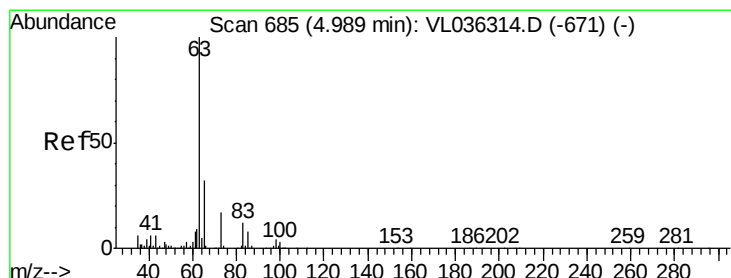
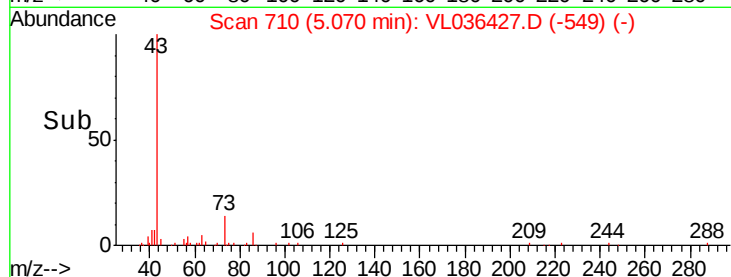
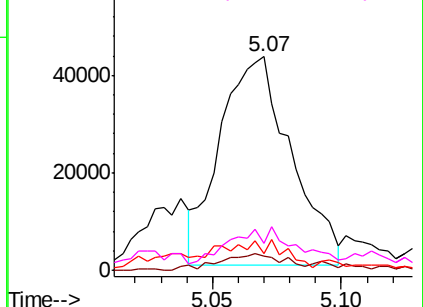


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.248 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

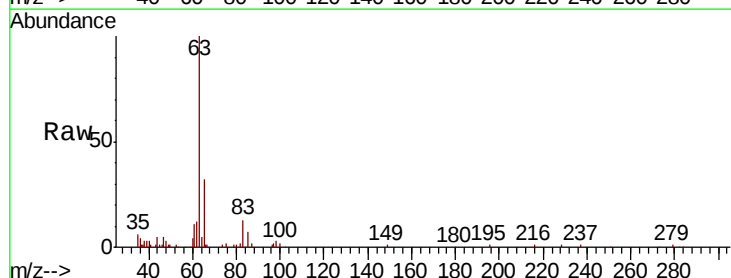
Tgt Ion: 63 Resp: 42782

Ion Ratio Lower Upper

63 100

98 1.3 2.0 6.0#

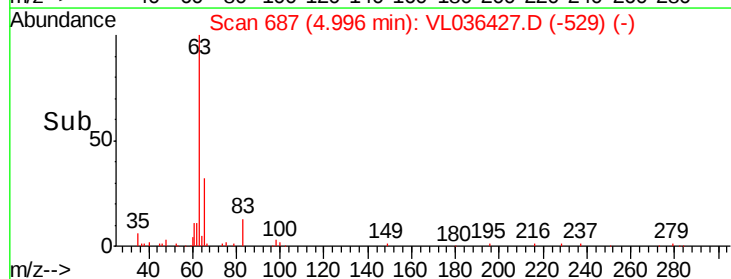
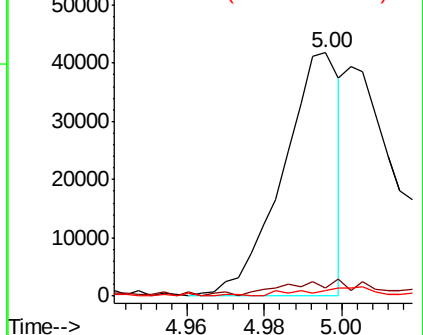
100 1.4 1.5 4.4#

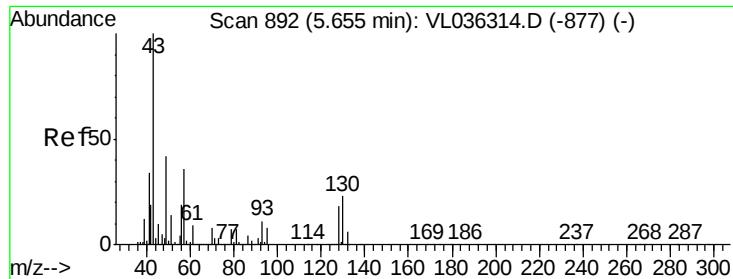


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

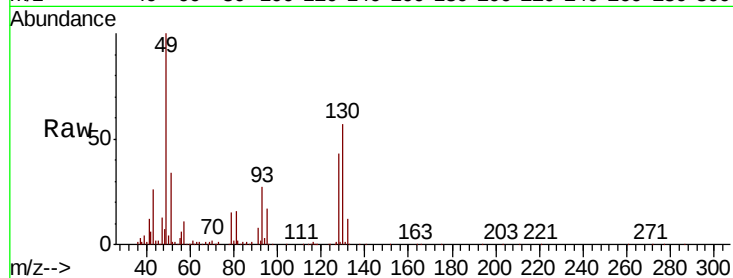




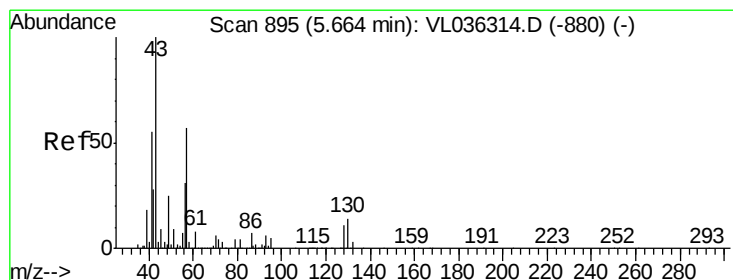
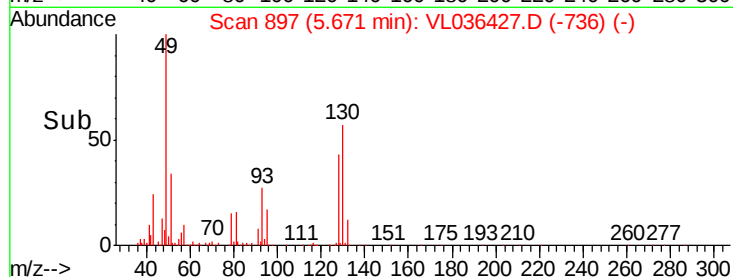
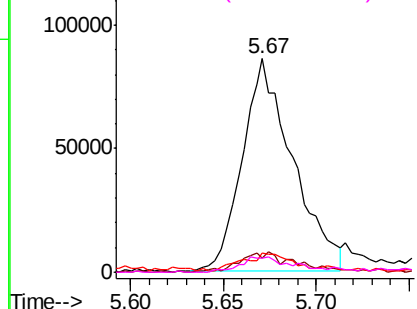
#25
Ethyl Acetate
Concen: 0.425 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

Tot Ion:	43	Resp:	162548
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.3	12.5
61	10.1	7.3	10.9
70	8.0	5.4	8.0

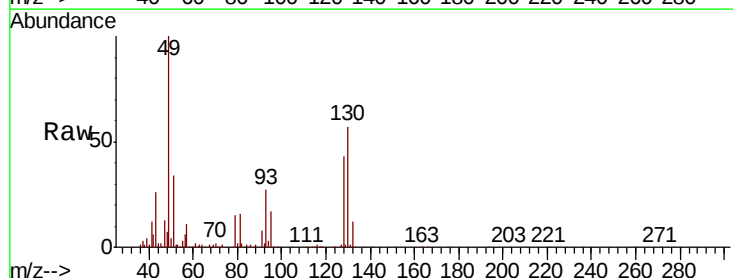


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

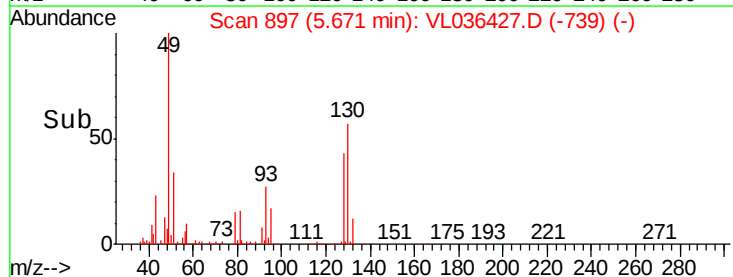
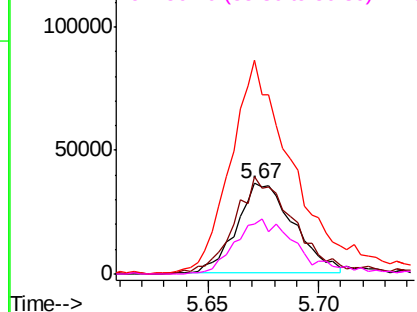


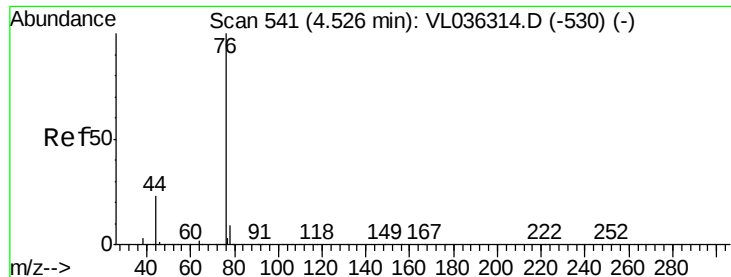
#26
Hexane
Concen: 0.415 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion:	57	Resp:	65224
Ion	Ratio	Lower	Upper
57	100		
41	119.9	81.7	122.5
43	278.3	199.1	298.7
56	69.0	44.0	66.0#



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: 0.369 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

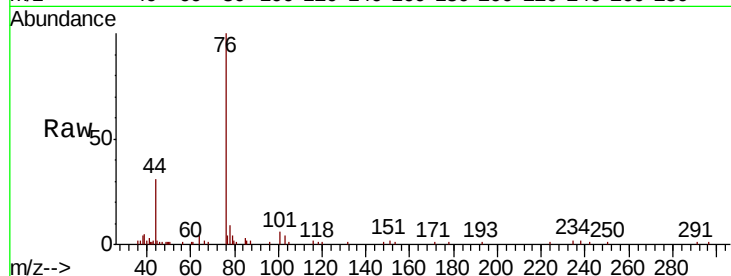
Tot Ion: 76 Resp: 53328

Ion Ratio Lower Upper

76 100

44 39.0 18.4 27.6#

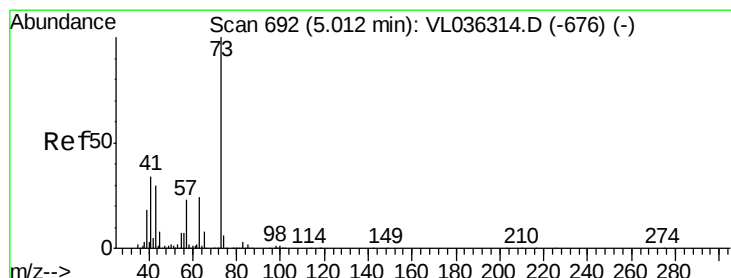
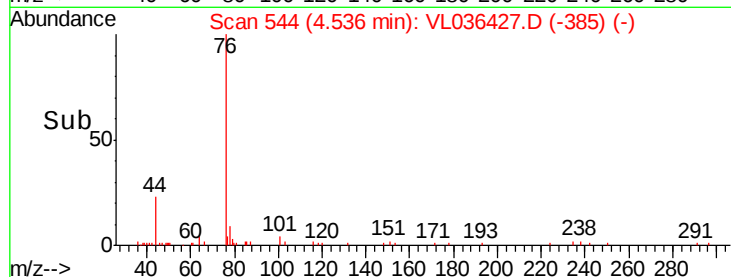
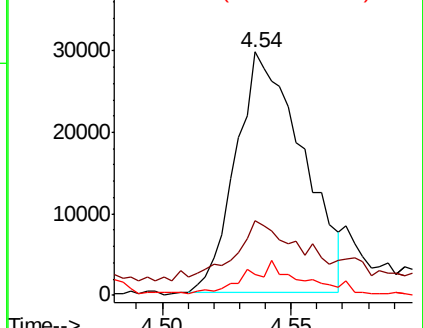
78 13.0 8.0 12.0#



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: 0.362 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.03 min

Lab File: VL036427.D

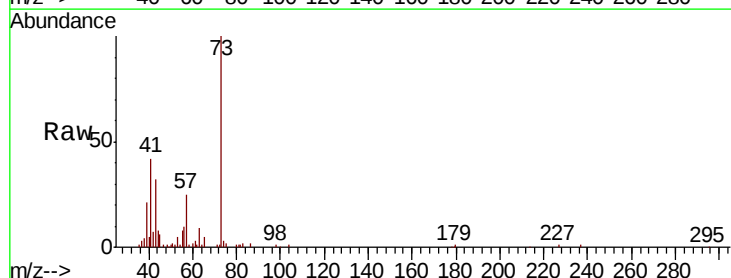
Acq: 2 Mar 2021 13:36

Tgt Ion: 73 Resp: 74302

Ion Ratio Lower Upper

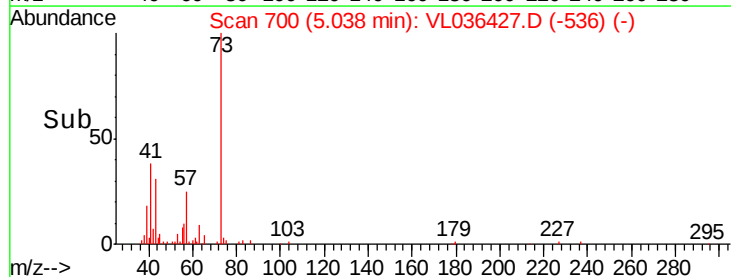
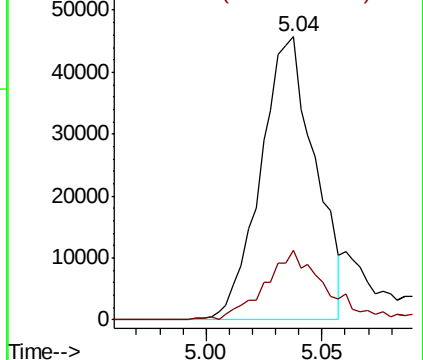
73 100

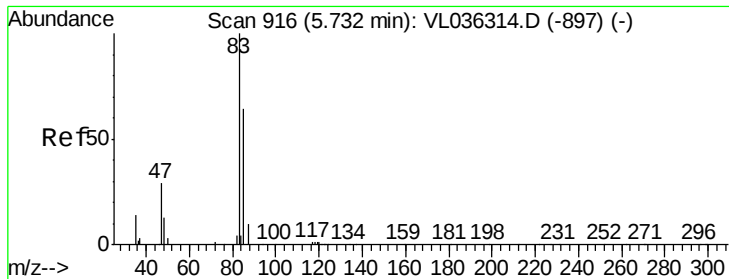
57 28.0 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

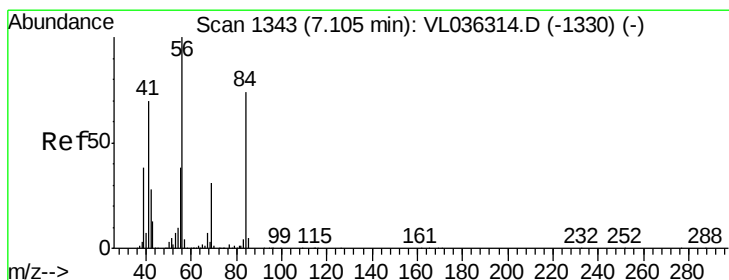
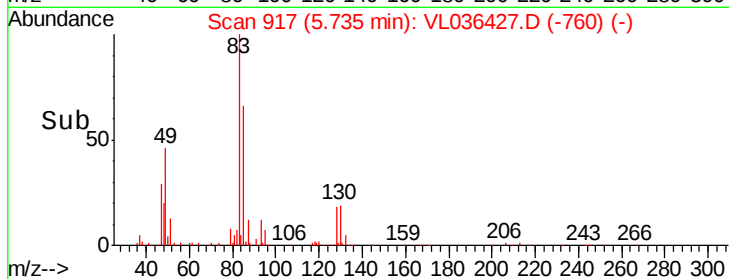
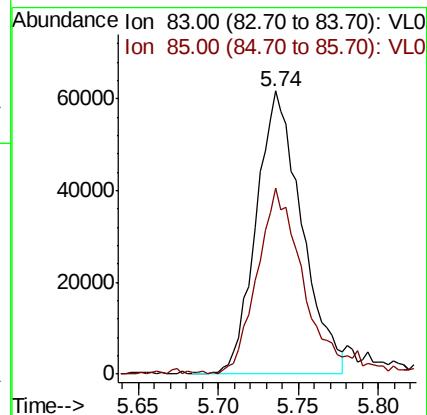
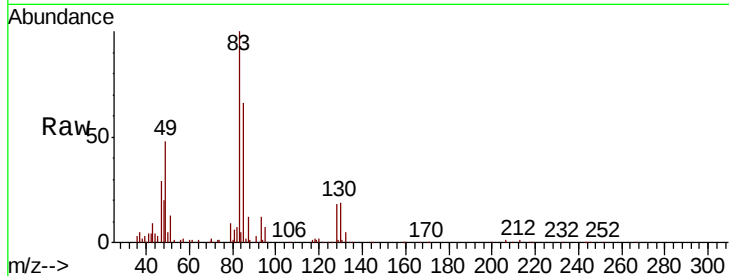




#29
Chloroform
Concen: 0.480 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.00 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

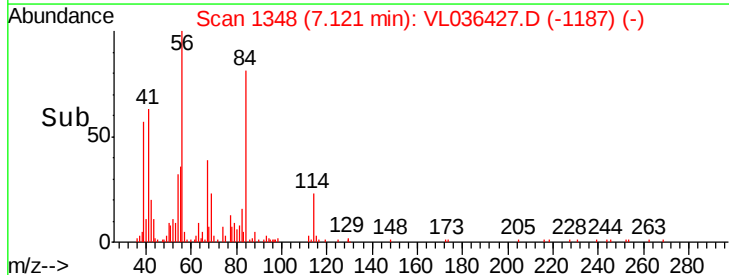
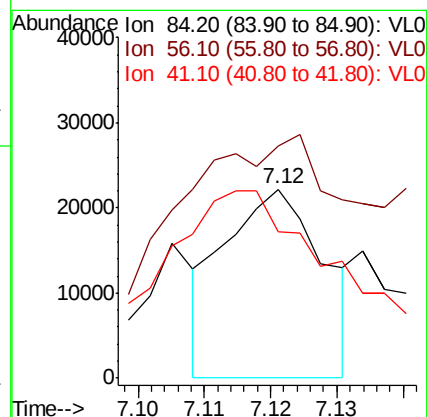
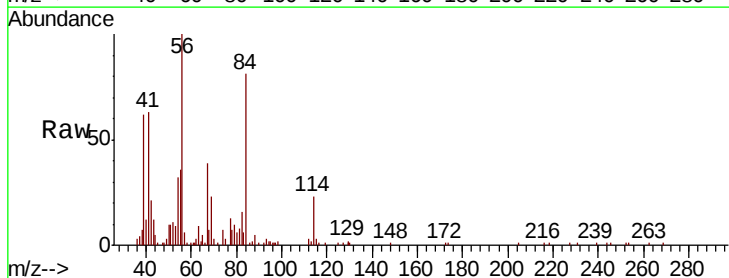
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

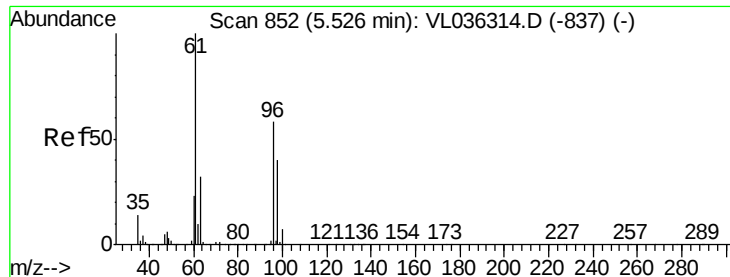
Tot Ion: 83 Resp: 121667
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2



#30
Cyclohexane
Concen: 0.175 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 84 Resp: 22842
Ion Ratio Lower Upper
84 100
56 0.0 120.2 180.4#
41 222.3 79.7 119.5#





#31

cis-1,2-Dichloroethene

Concen: 0.216 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

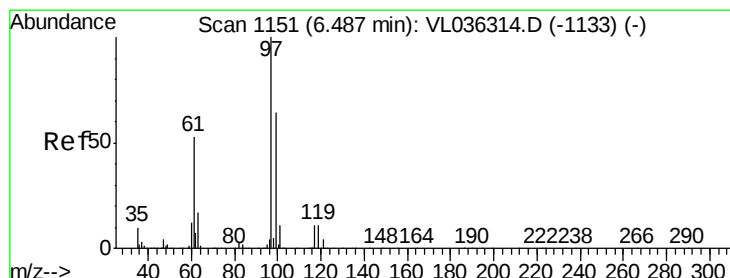
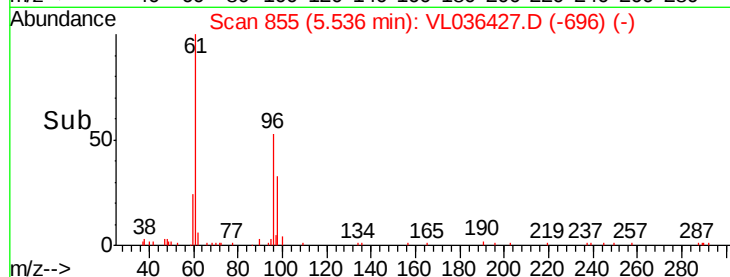
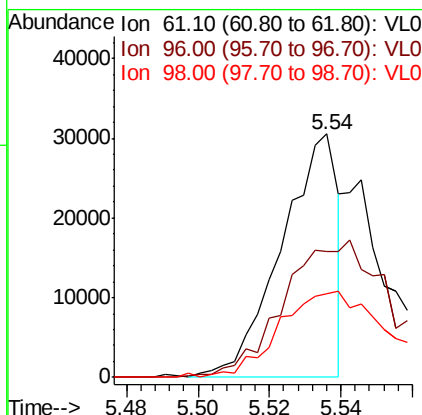
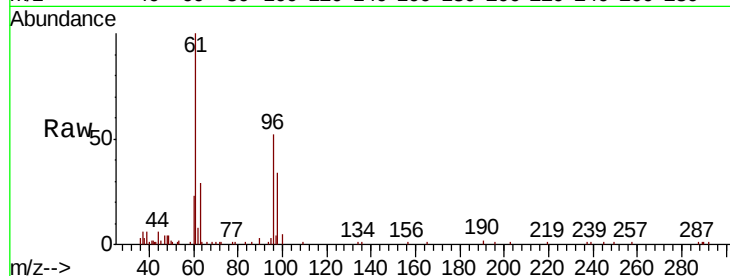
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	61	Resp:	33545
Ion	Ratio	Lower	Upper
61	100		
96	50.8	46.0	69.0
98	32.8	31.9	47.9



#32

1,1,1-Trichloroethane

Concen: 0.222 ppbv

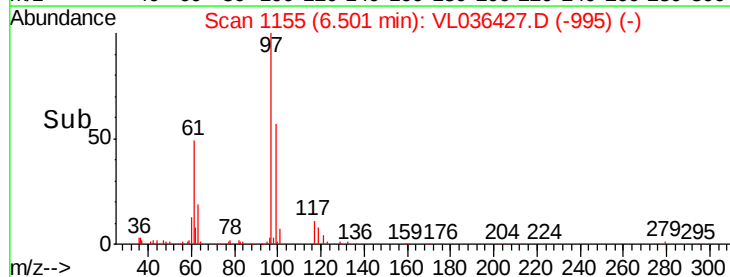
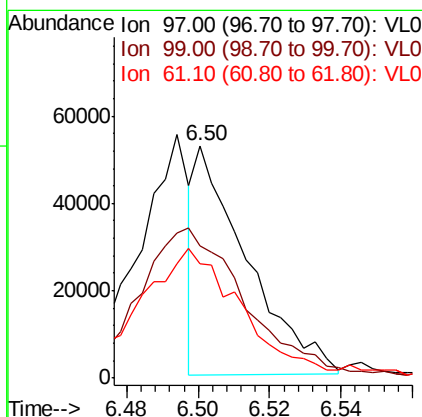
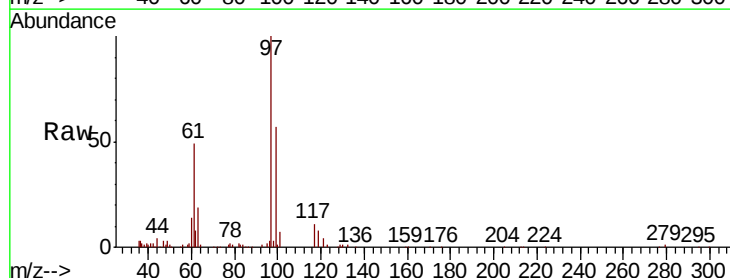
RT: 6.50 min Scan# 1155

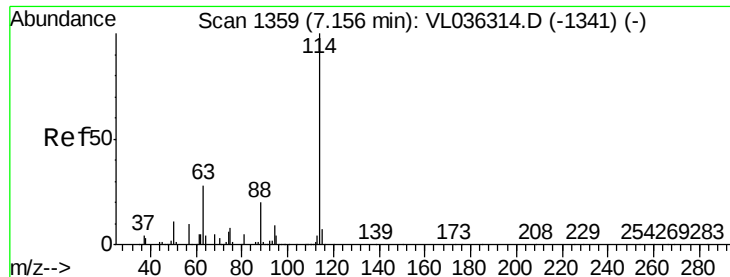
Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	97	Resp:	52665
Ion	Ratio	Lower	Upper
97	100		
99	141.2	52.2	78.4#
61	120.5	43.3	64.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

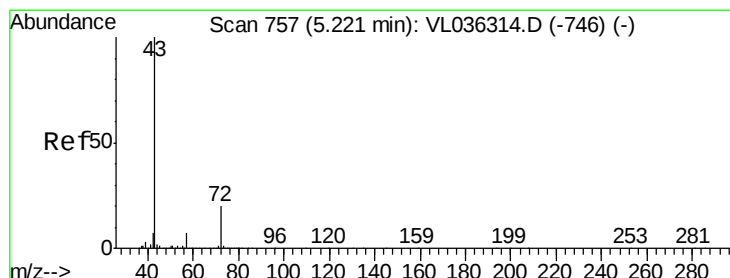
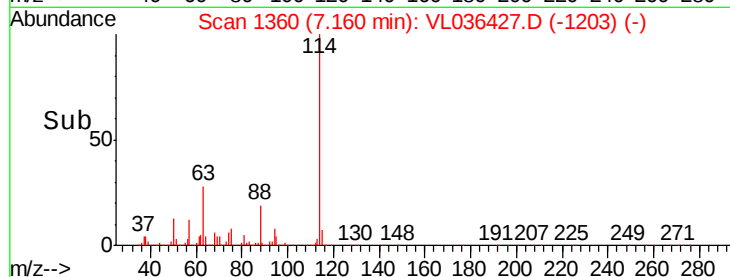
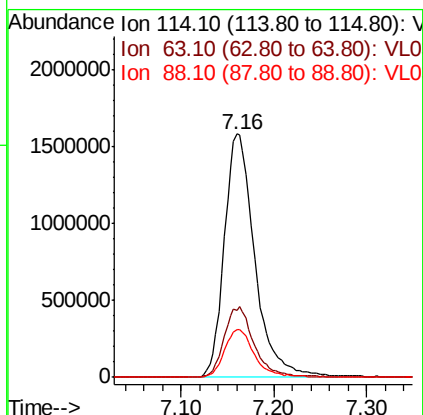
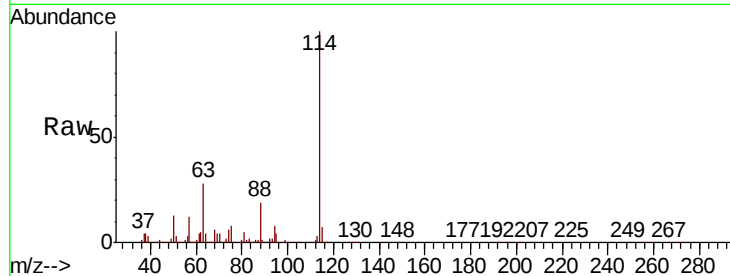
Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

Tot Ion:114 Resp: 3612568

Ion	Ratio	Lower	Upper
114	100		
63	28.6	24.1	36.1
88	19.3	16.0	24.0



#34

2-Butanone

Concen: 0.400 ppbv

RT: 5.24 min Scan# 764

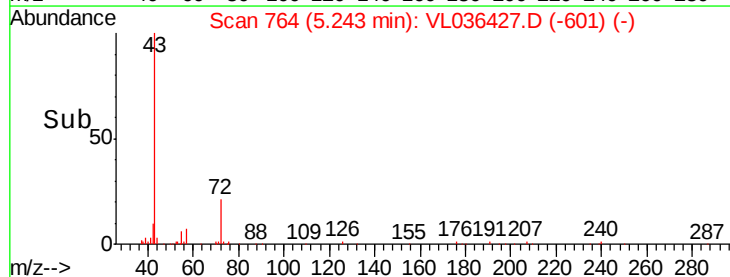
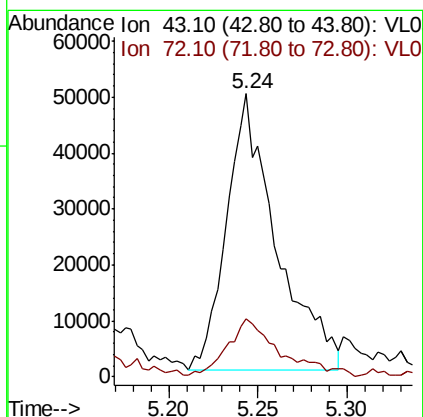
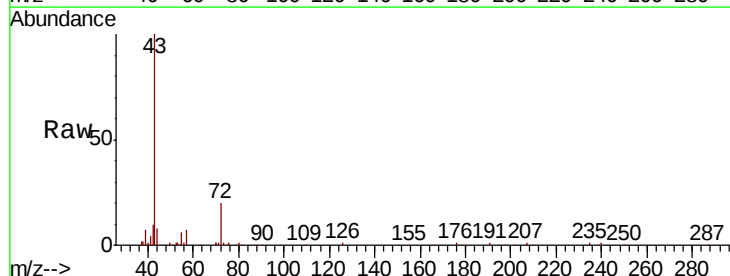
Delta R.T. 0.02 min

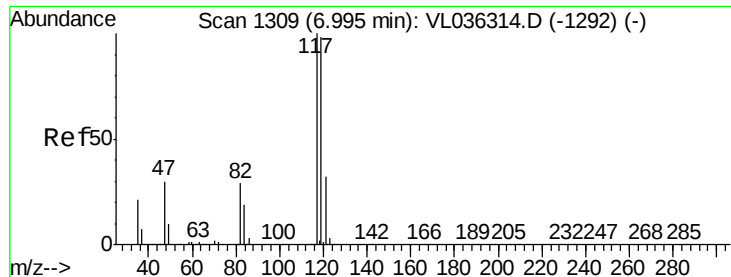
Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion: 43 Resp: 95996

Ion	Ratio	Lower	Upper
43	100		
72	24.8	16.7	25.1





#35

Carbon Tetrachloride

Concen: 0.247 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

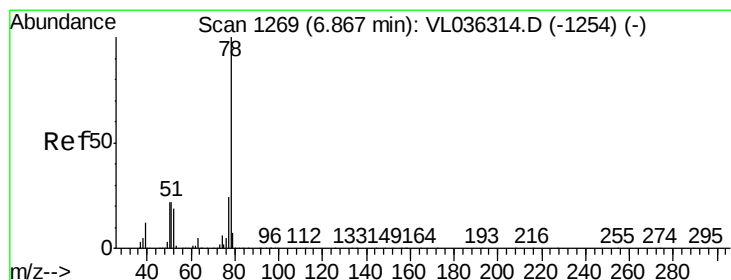
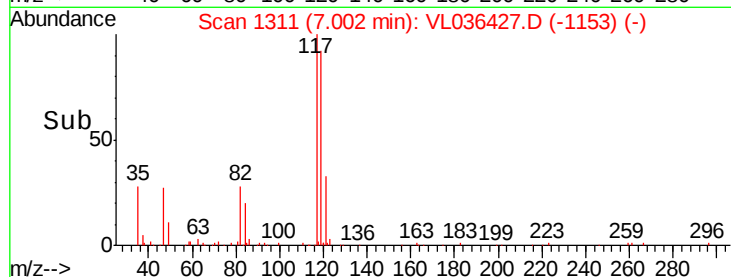
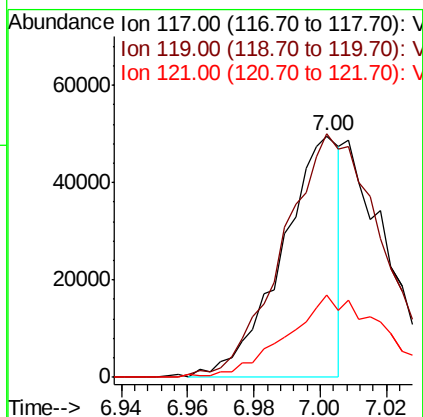
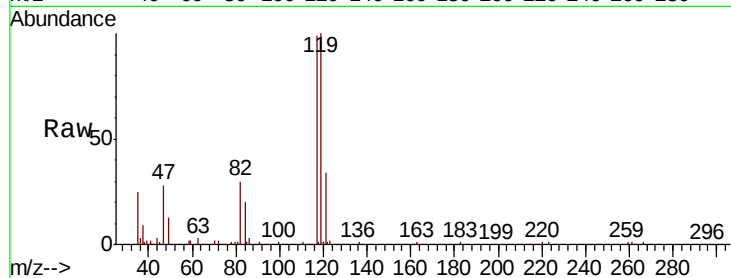
Tot Ion:117 Resp: 59712

Ion Ratio Lower Upper

117 100

119 100.1 78.1 117.1

121 33.2 25.8 38.8



#36

Benzene

Concen: 0.415 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

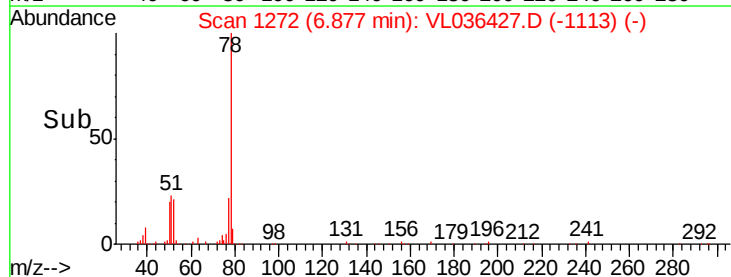
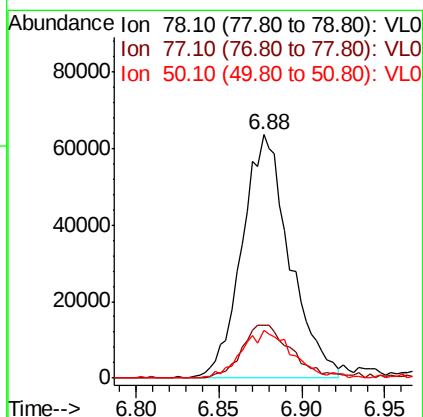
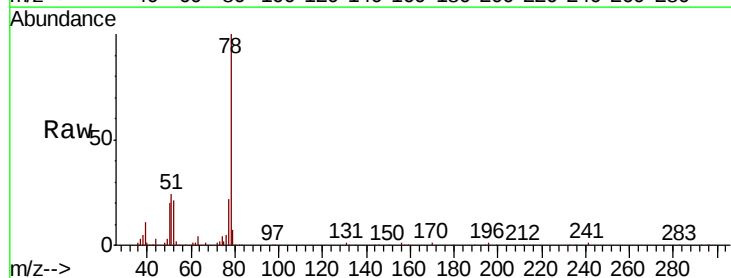
Tgt Ion: 78 Resp: 127401

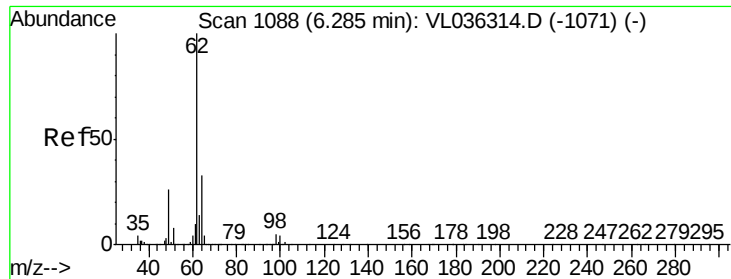
Ion Ratio Lower Upper

78 100

77 21.8 18.9 28.3

50 19.7 17.3 25.9

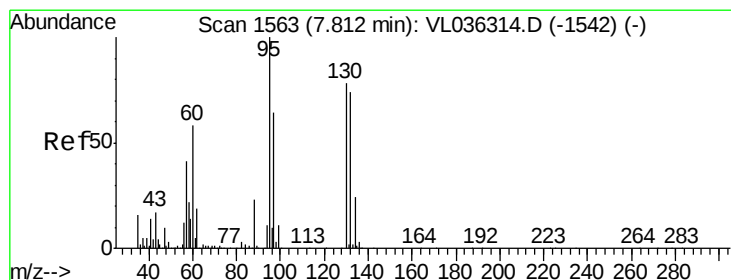
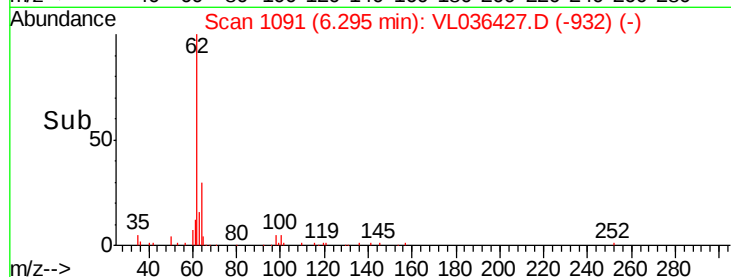
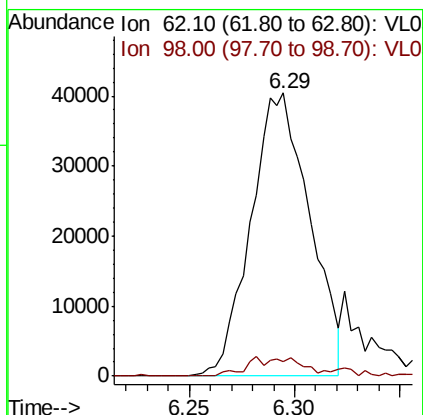
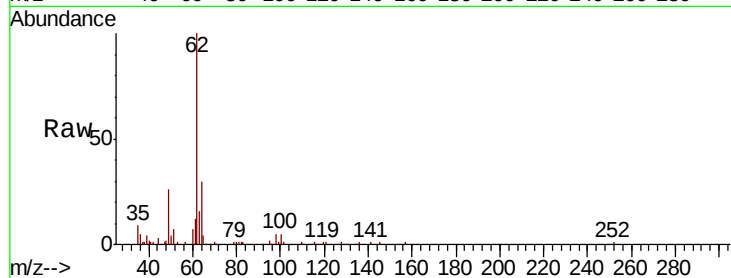




#37
 1,2-Dichloroethane
 Concen: 0.413 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

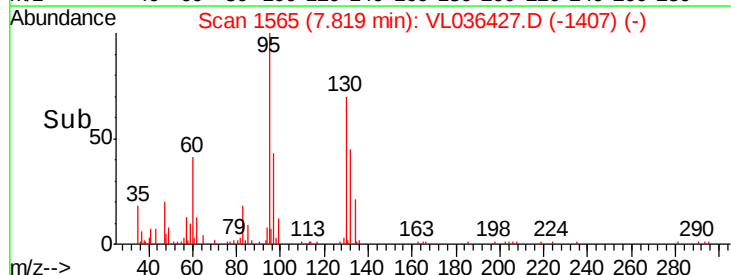
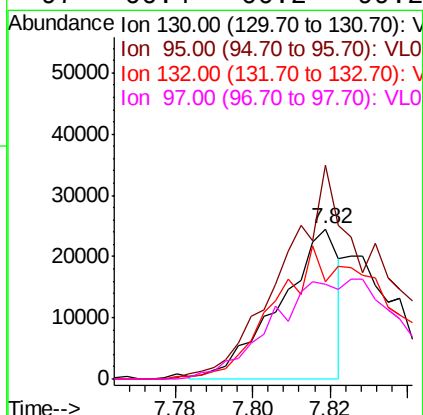
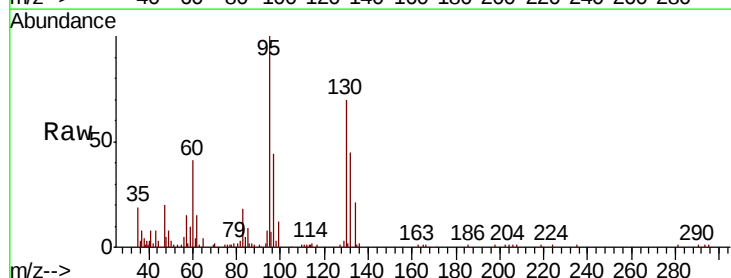
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

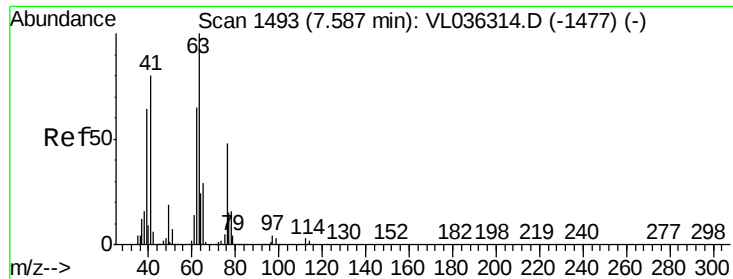
Tot Ion: 62 Resp: 78419
 Ion Ratio Lower Upper
 62 100
 98 7.5 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.236 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion:130 Resp: 25928
 Ion Ratio Lower Upper
 130 100
 95 149.2 102.8 154.2
 132 67.2 75.7 113.5#
 97 66.4 66.2 99.2

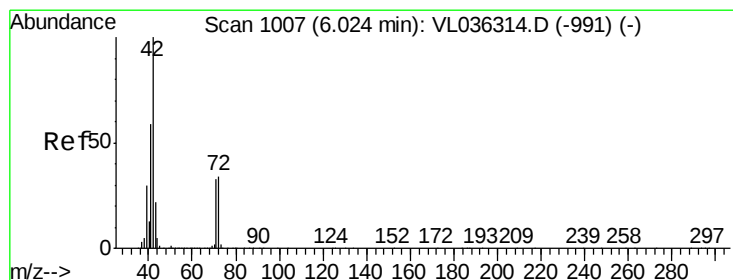
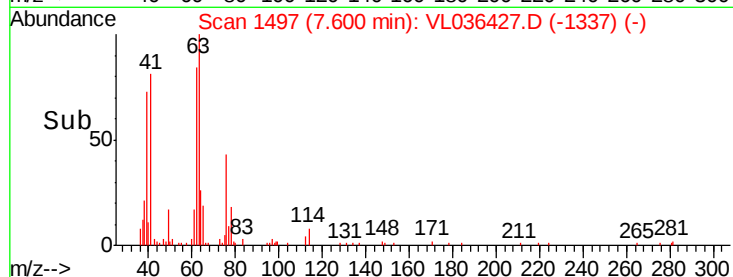
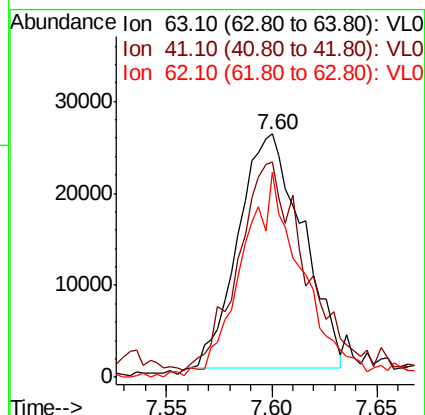
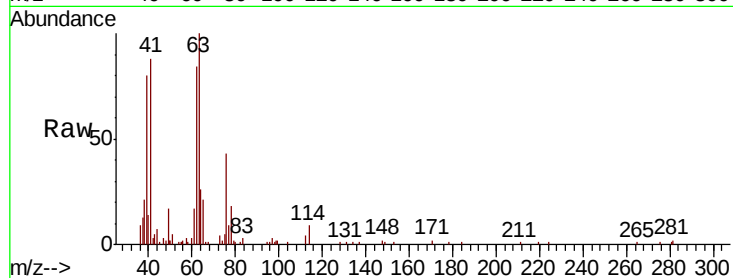




#39
 1,2-Dichloropropane
 Concen: 0.433 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

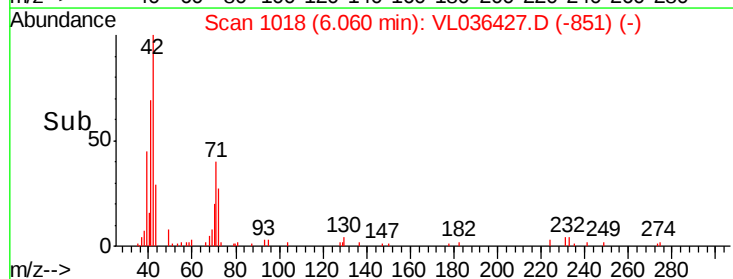
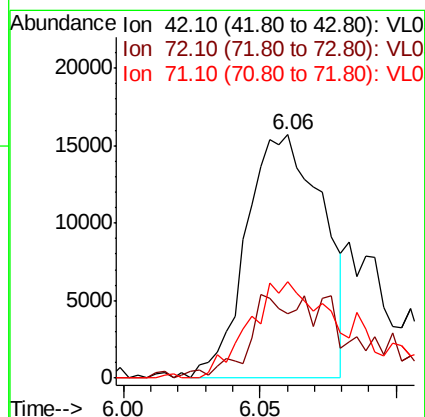
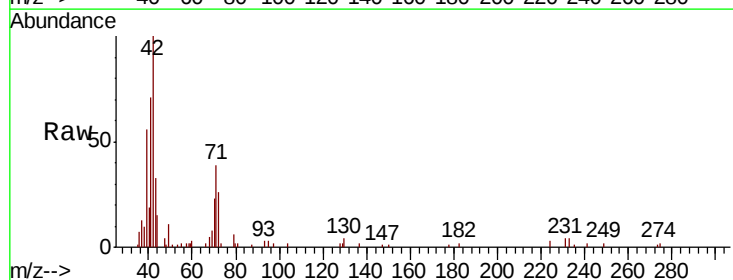
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

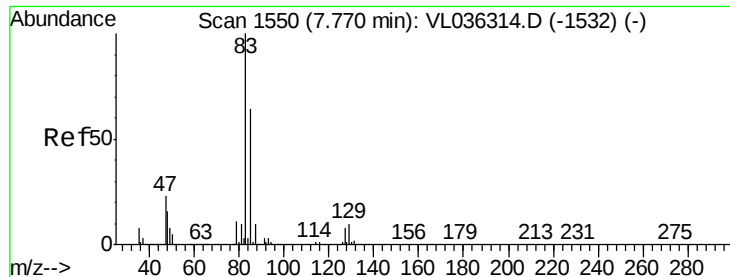
Tot Ion: 63 Resp: 54030
 Ion Ratio Lower Upper
 63 100
 41 86.3 63.8 95.6
 62 83.3 52.3 78.5#



#41
 Tetrahydrofuran
 Concen: 0.228 ppbv
 RT: 6.06 min Scan# 1018
 Delta R.T. 0.04 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion: 42 Resp: 30546
 Ion Ratio Lower Upper
 42 100
 72 49.5 29.3 43.9#
 71 58.6 27.8 41.8#





#42

Bromodichloromethane

Concen: 0.408 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

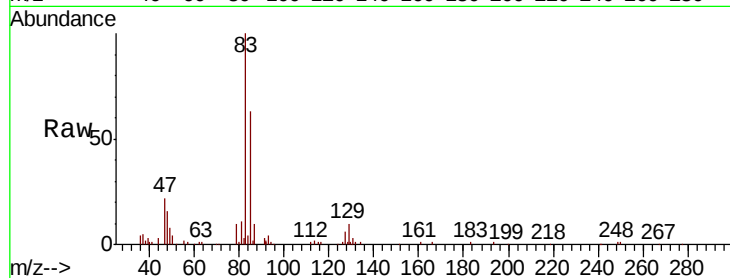
Tot Ion: 83 Resp: 103660

Ion Ratio Lower Upper

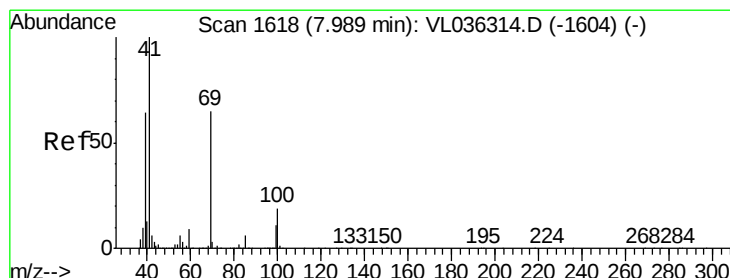
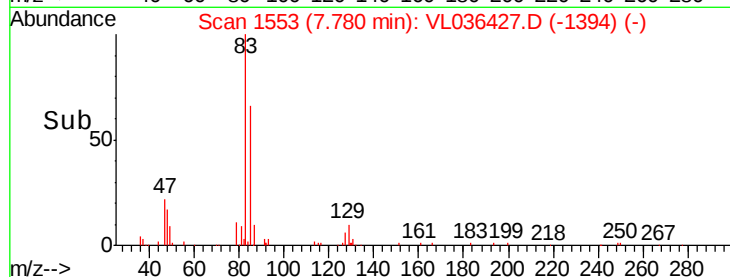
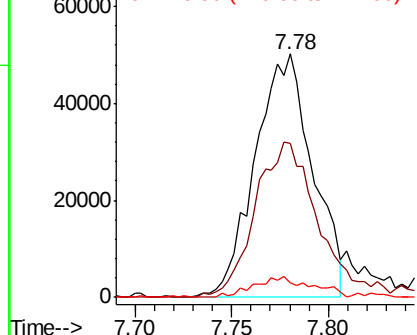
83 100

85 63.1 51.1 76.7

127 6.2 6.3 9.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.340 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

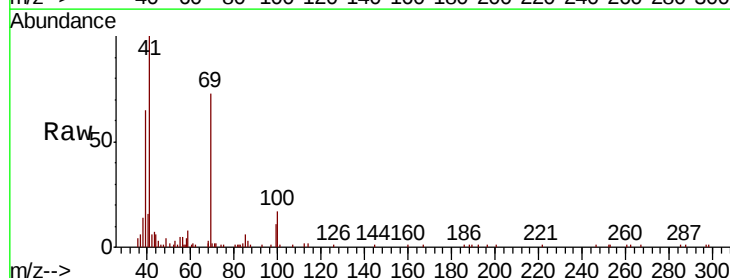
Tgt Ion: 69 Resp: 43983

Ion Ratio Lower Upper

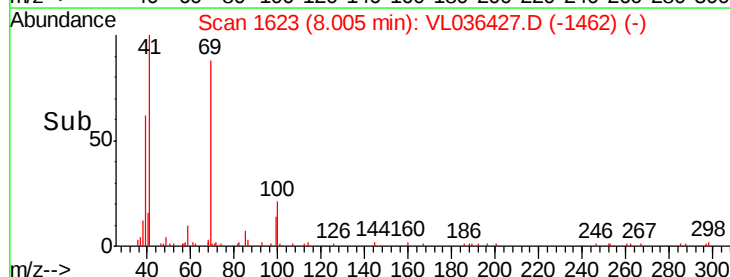
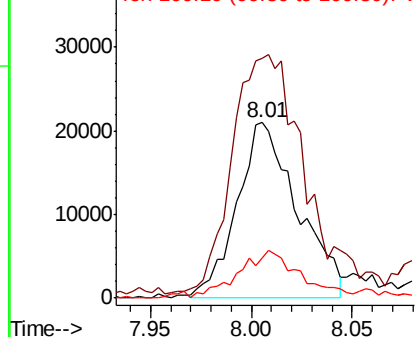
69 100

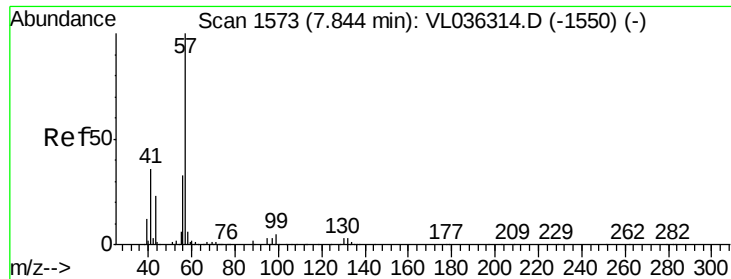
41 163.3 126.5 189.7

100 30.0 23.1 34.7



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

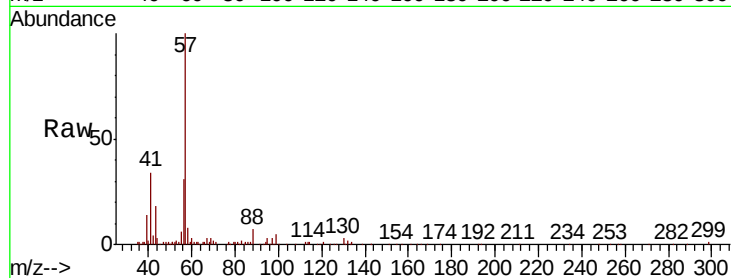




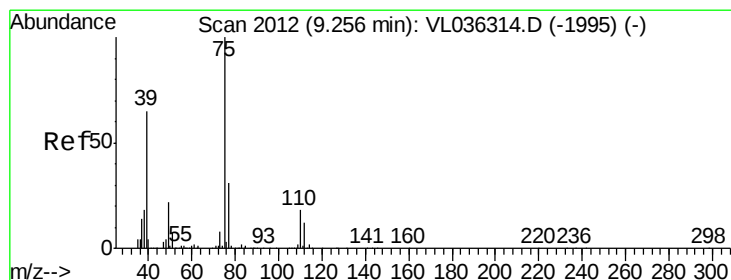
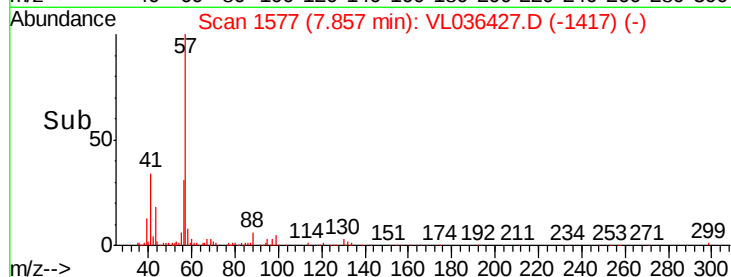
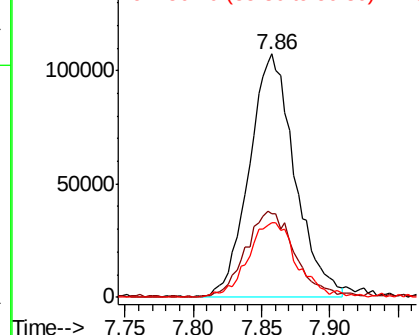
#44
 2,2,4-Trimethylpentane
 Concen: 0.447 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

Tot Ion	57	Resp	249425
Ion Ratio	Lower	Upper	
57	100		
41	39.2	28.8	43.2
56	33.1	25.8	38.6

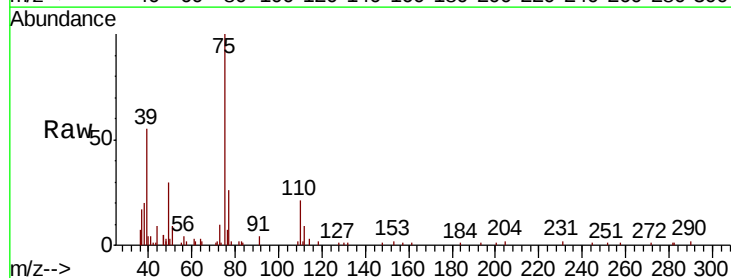


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

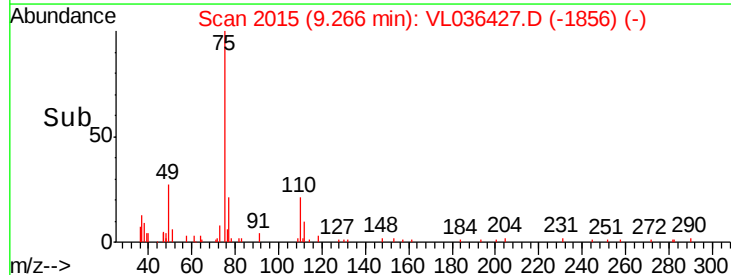
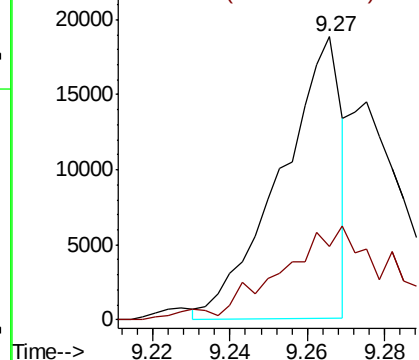


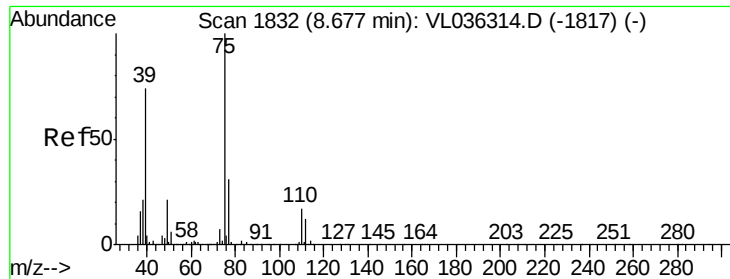
#45
 t-1,3-Dichloropropene
 Concen: 0.165 ppbv
 RT: 9.27 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion	75	Resp	20563
Ion Ratio	Lower	Upper	
75	100		
77	25.7	24.6	37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

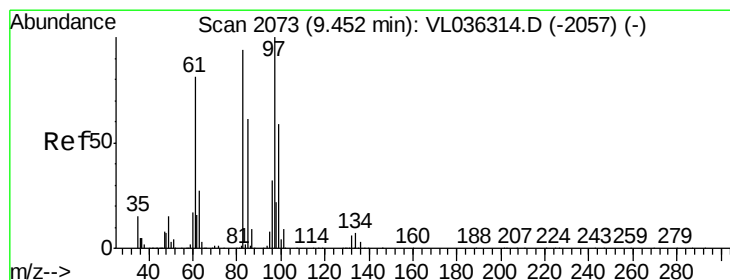
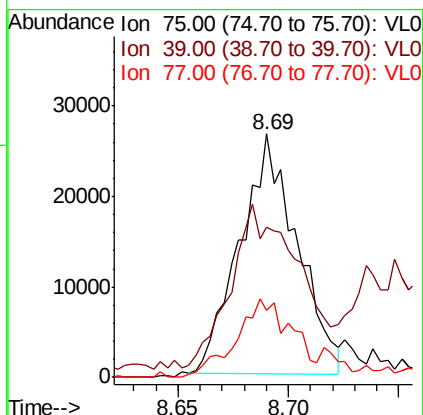
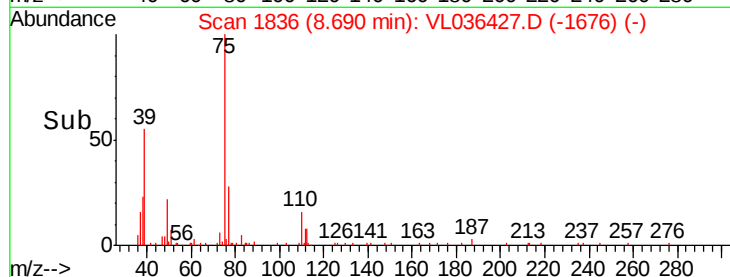
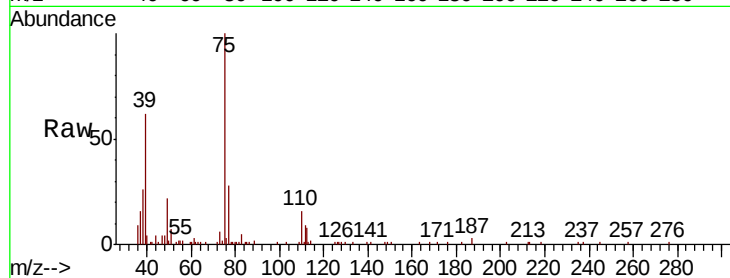




#46
 cis-1,3-Dichloropropene
 Concen: 0.300 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

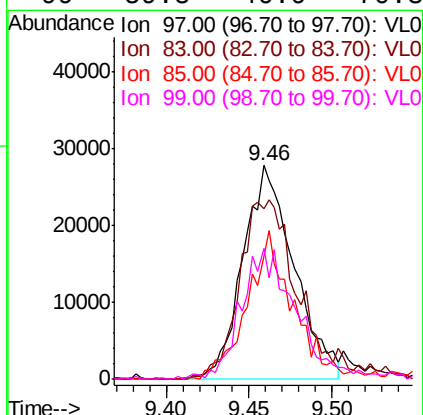
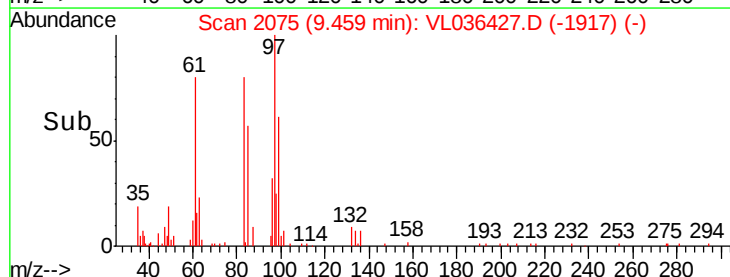
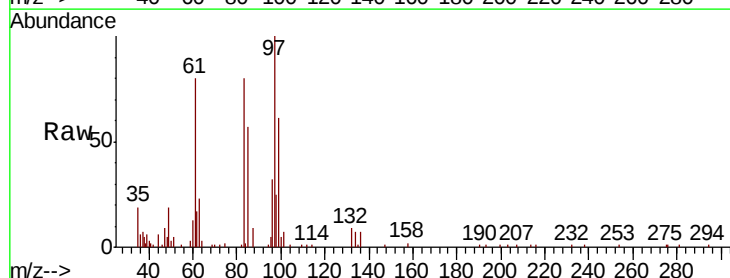
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

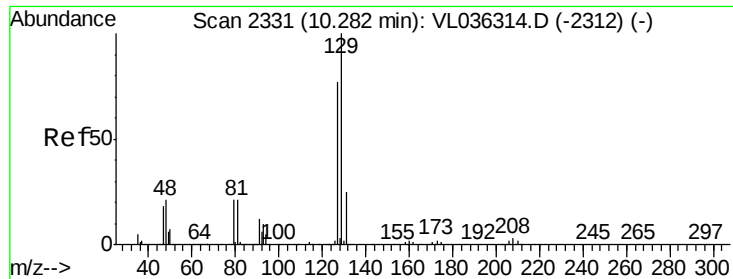
Tot Ion: 75 Resp: 47559
 Ion Ratio Lower Upper
 75 100
 39 57.7 59.2 88.8#
 77 27.1 25.0 37.6



#47
 1,1,2-Trichloroethane
 Concen: 0.469 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion: 97 Resp: 59770
 Ion Ratio Lower Upper
 97 100
 83 79.0 75.4 113.0
 85 56.8 48.9 73.3
 99 59.5 46.9 70.3





#48

Dibromochloromethane

Concen: 0.186 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

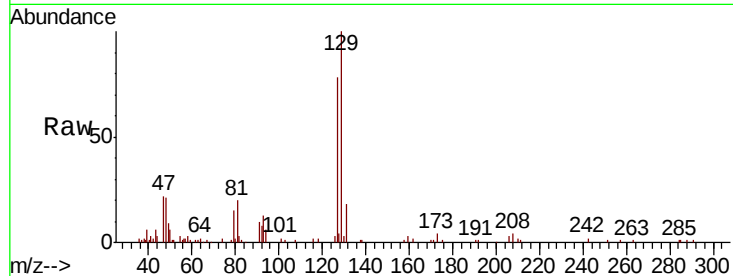
MDL-AIR-01-QT1-2021

Tot Ion:129 Resp: 35389

Ion Ratio Lower Upper

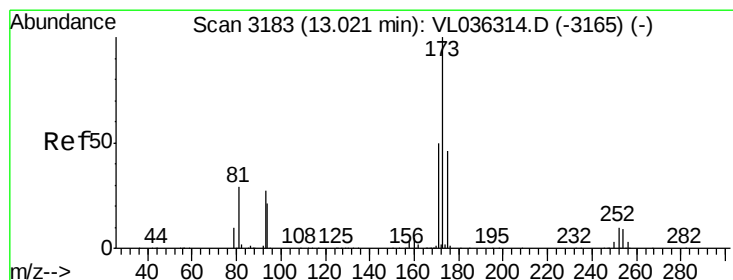
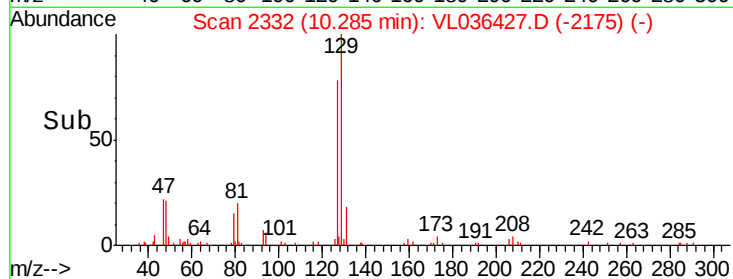
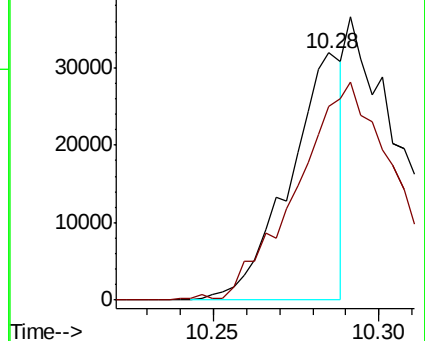
129 100

127 0.0 39.1 117.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.373 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

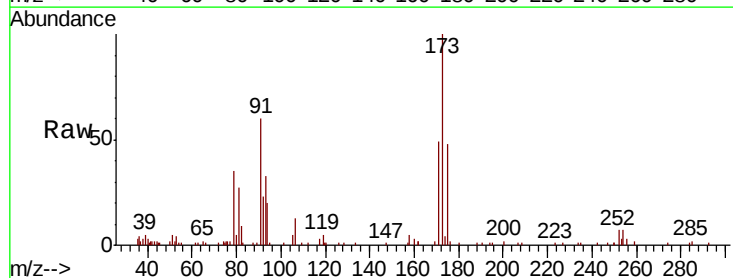
Tgt Ion:173 Resp: 57337

Ion Ratio Lower Upper

173 100

175 54.9 40.2 60.2

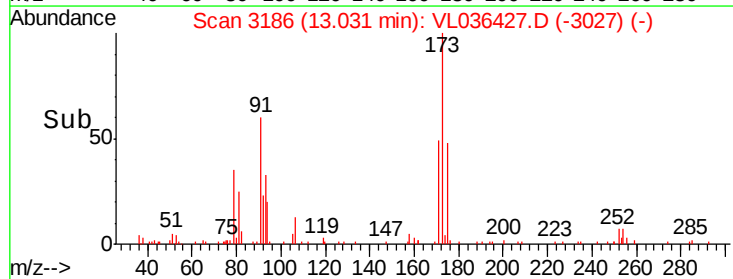
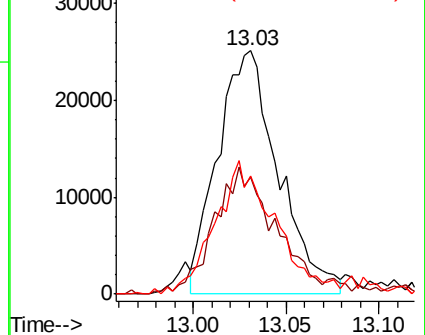
171 58.7 43.4 65.2

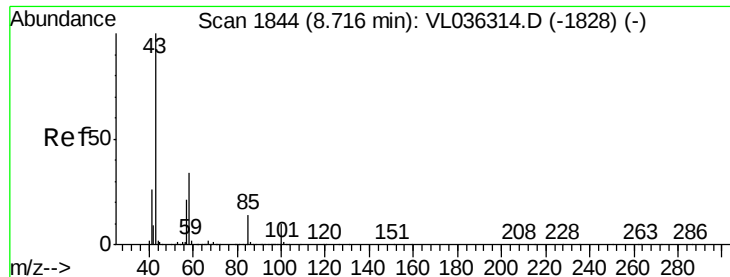


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

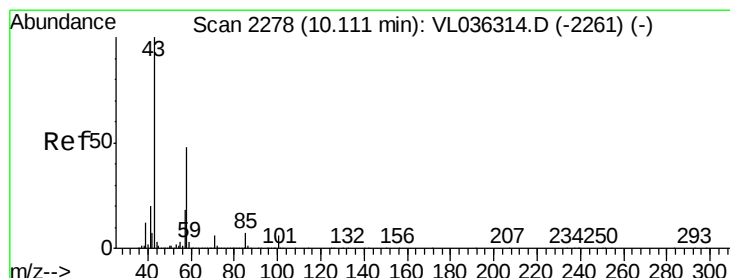
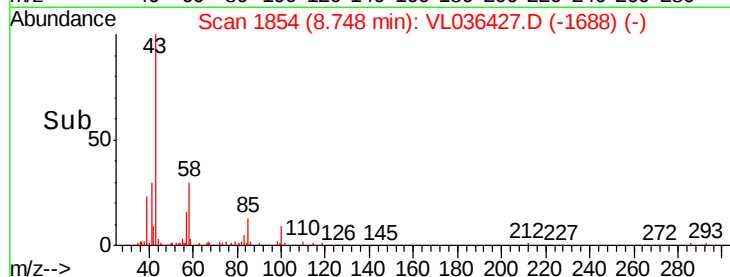
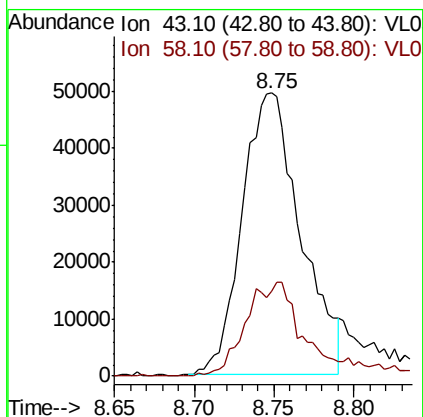
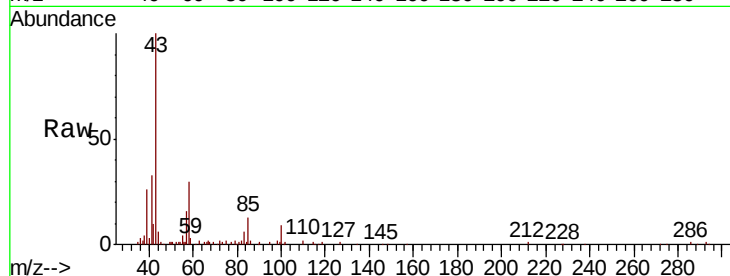




#50
4-Methyl-2-Pentanone
Concen: 0.348 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.03 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

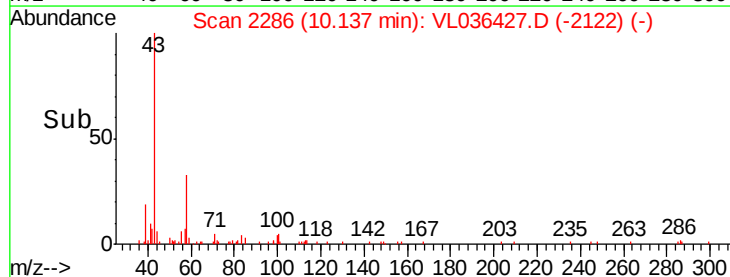
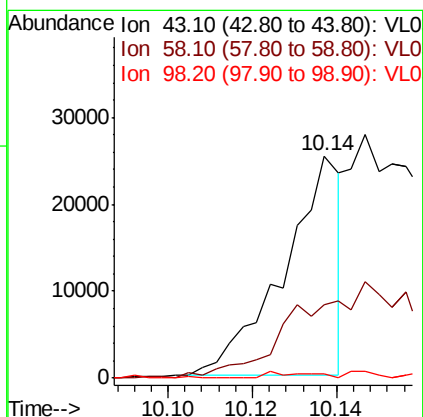
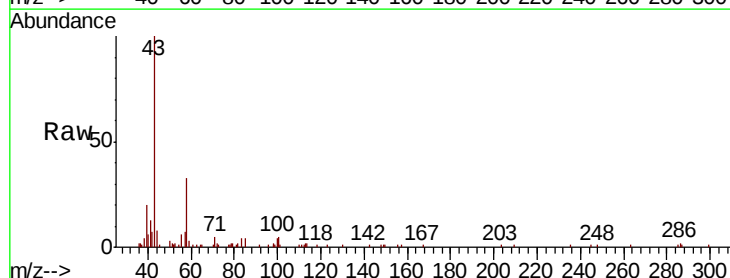
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

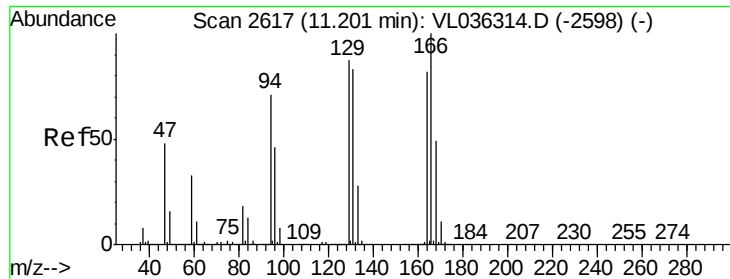
Tot Ion: 43 Resp: 124172
Ion Ratio Lower Upper
43 100
58 35.1 27.8 41.6



#51
2-Hexanone
Concen: 0.088 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. 0.03 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 43 Resp: 23847
Ion Ratio Lower Upper
43 100
58 0.0 38.7 58.1#
98 4.5 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.414 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:164 Resp: 46458

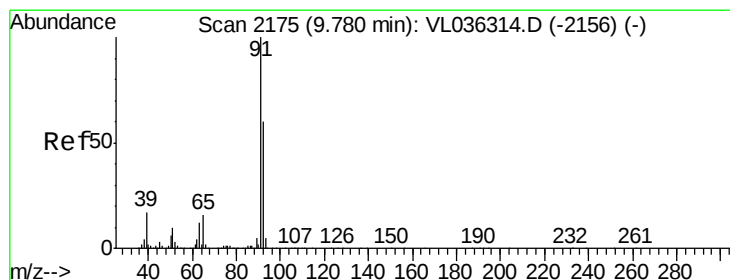
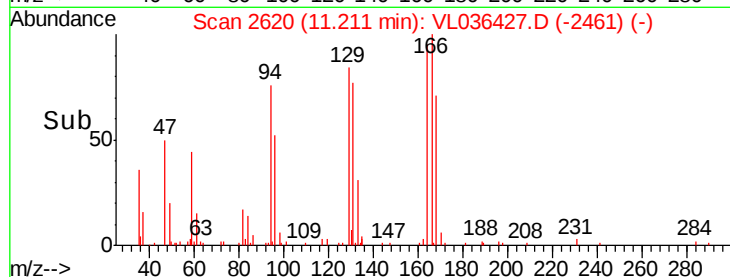
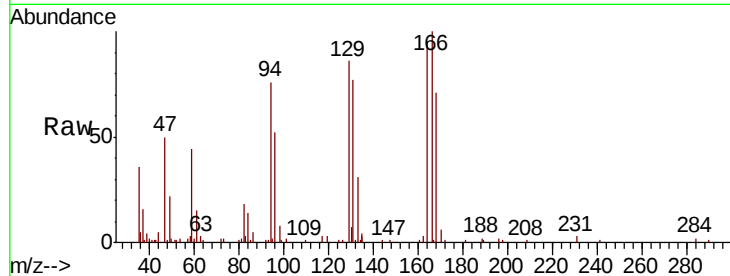
Ion Ratio Lower Upper

164 100

166 105.3 97.8 146.8

129 88.9 84.9 127.3

131 79.0 81.4 122.2#



#53

Toluene

Concen: 0.341 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL036427.D

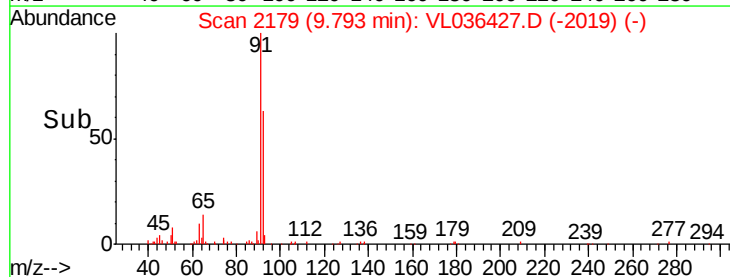
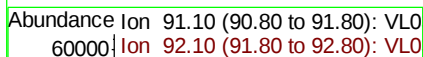
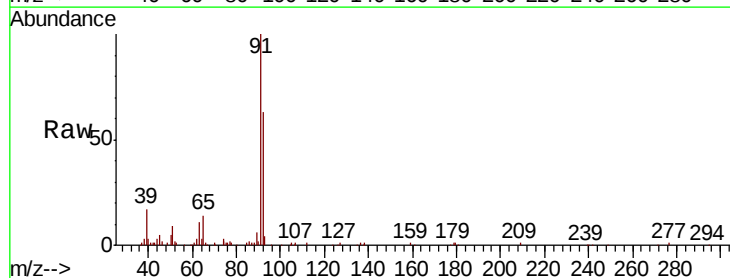
Acq: 2 Mar 2021 13:36

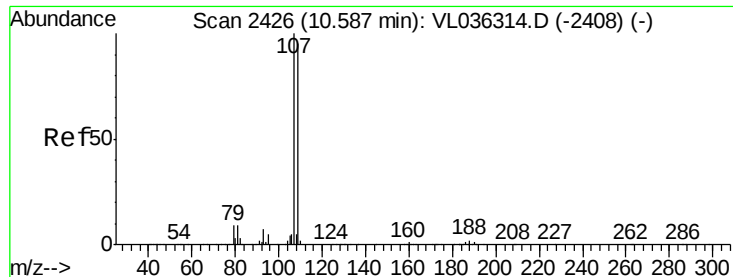
Tgt Ion: 91 Resp: 113501

Ion Ratio Lower Upper

91 100

92 63.5 48.6 72.8





#54

1,2-Dibromoethane

Concen: 0.244 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

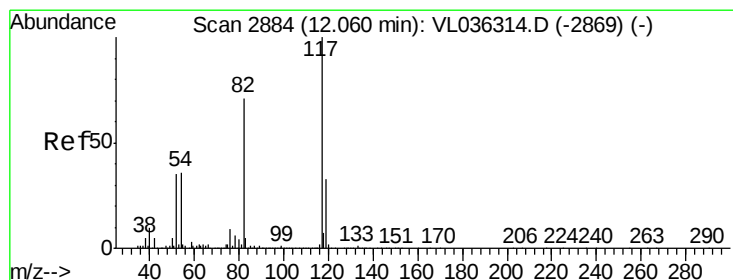
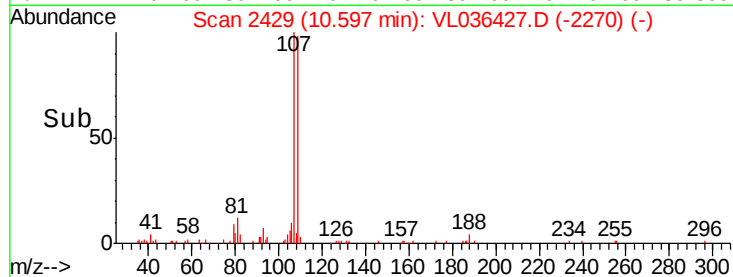
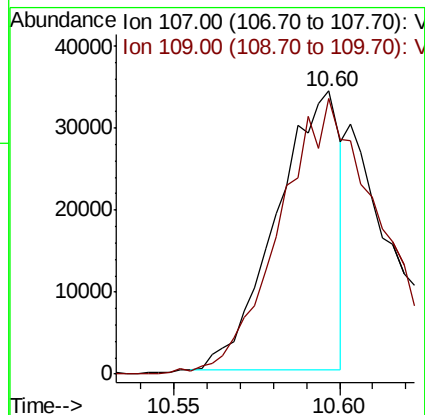
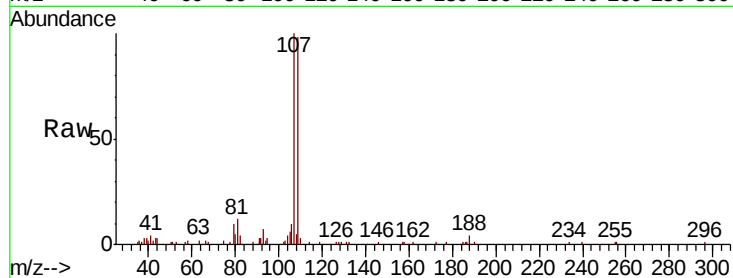
MDL-AIR-01-QT1-2021

Tot Ion:107 Resp: 45037

Ion Ratio Lower Upper

107 100

109 98.1 76.0 114.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

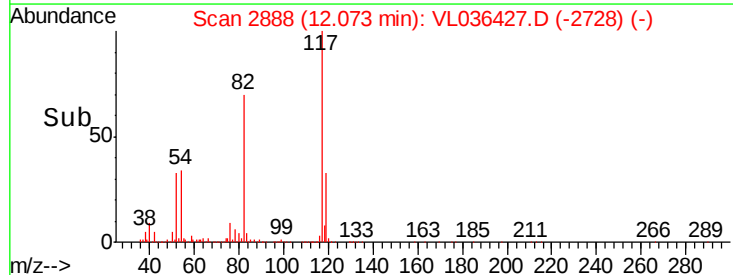
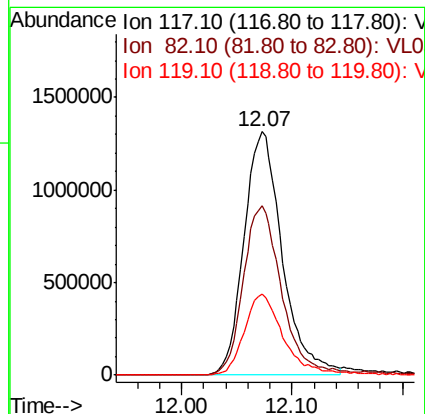
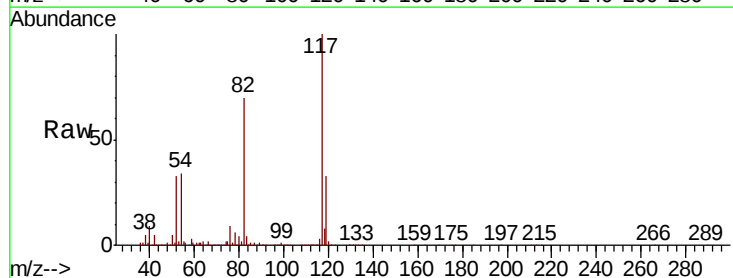
Tgt Ion:117 Resp: 3171631

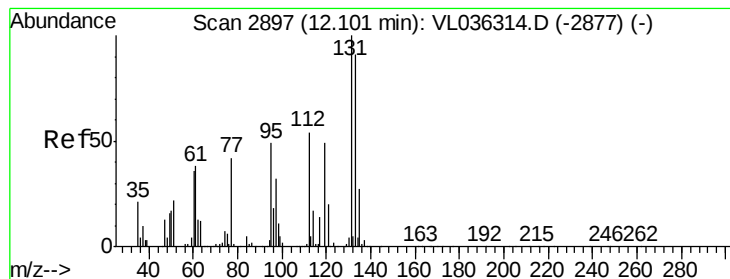
Ion Ratio Lower Upper

117 100

82 71.7 59.1 88.7

119 34.5 46.3 69.5#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.471 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

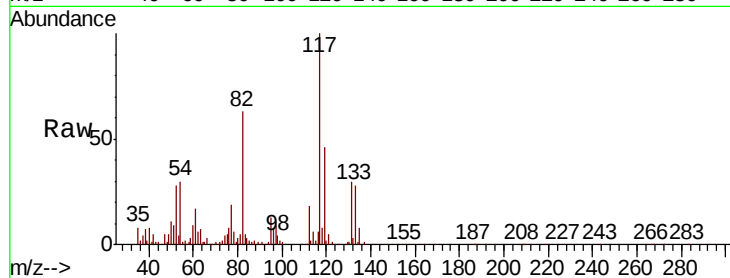
Tot Ion:131 Resp: 68774

Ion Ratio Lower Upper

131 100

133 105.2 76.0 114.0

119 1590.6 115.1 172.7#

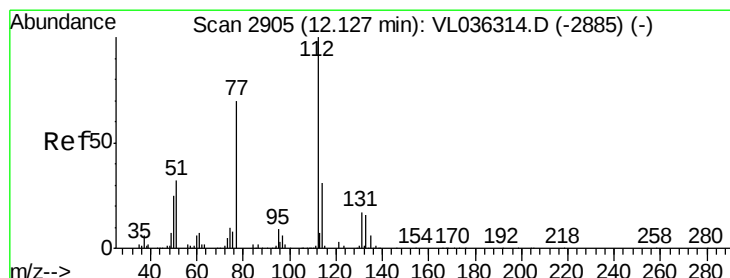
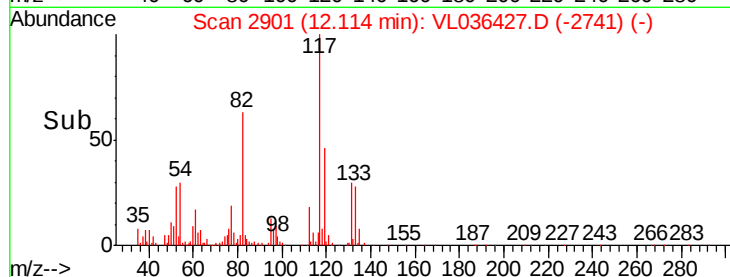
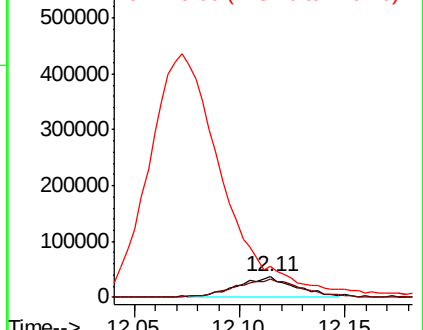


Abundance

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: 0.521 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

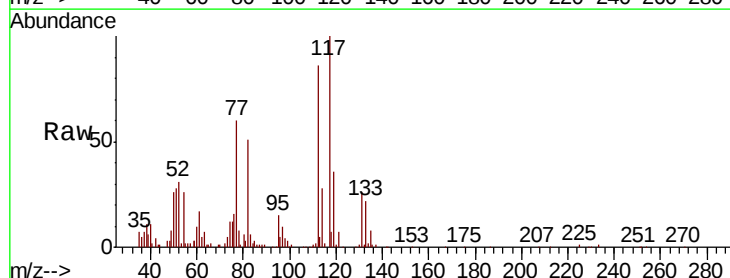
Tgt Ion:112 Resp: 127733

Ion Ratio Lower Upper

112 100

77 67.6 56.1 84.1

114 30.8 28.3 34.5

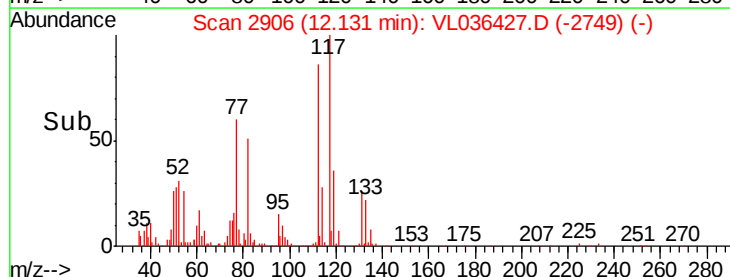
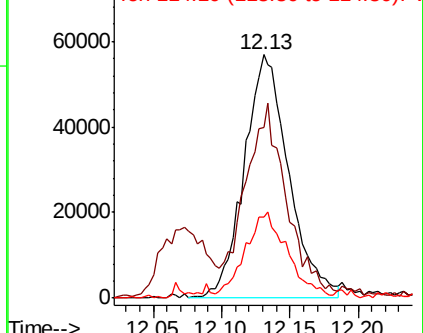


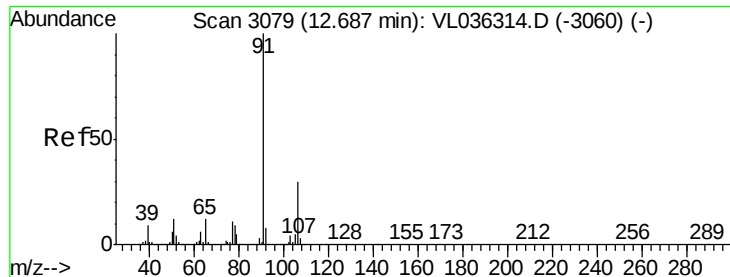
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): V

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.185 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

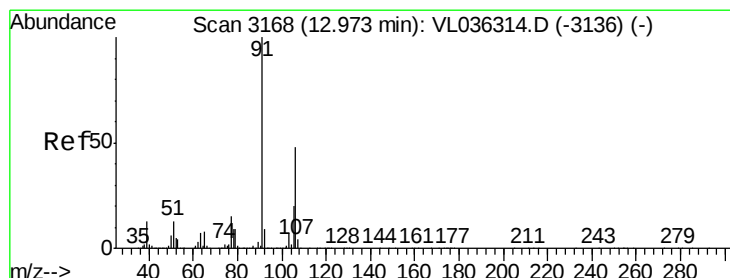
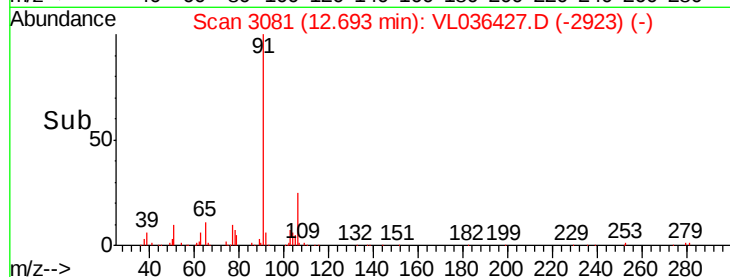
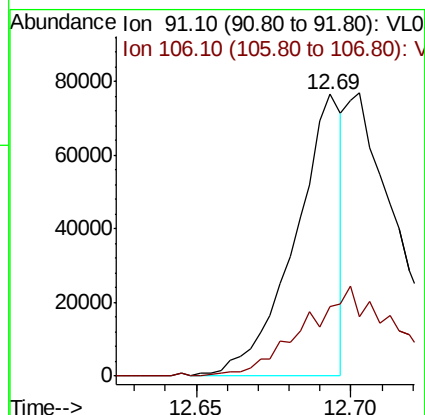
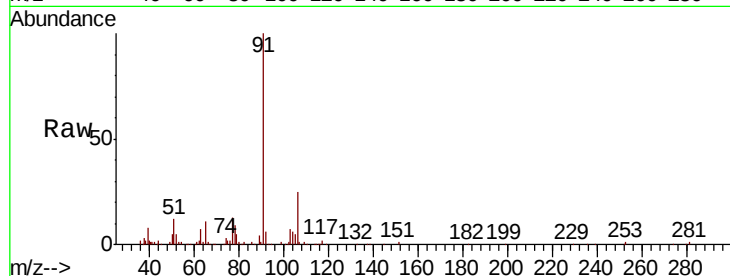
MDL-AIR-01-QT1-2021

Tot Ion: 91 Resp: 80175

Ion Ratio Lower Upper

91 100

106 24.7 23.8 35.6



#59

m/p-Xylene

Concen: 0.156 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. 0.01 min

Lab File: VL036427.D

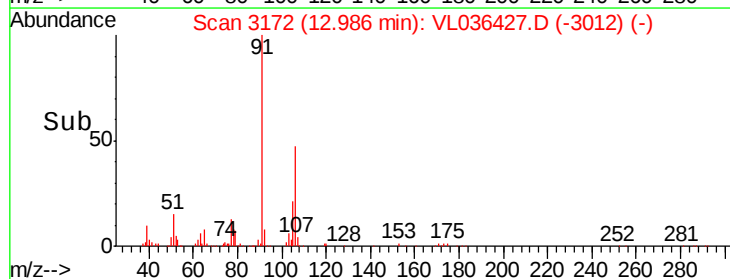
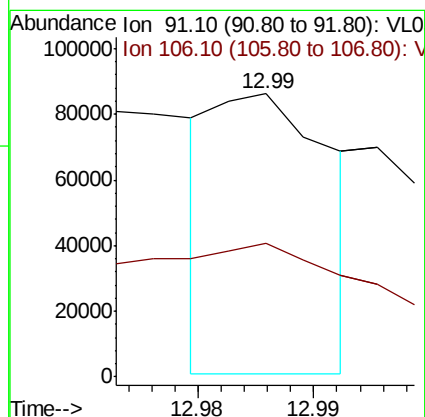
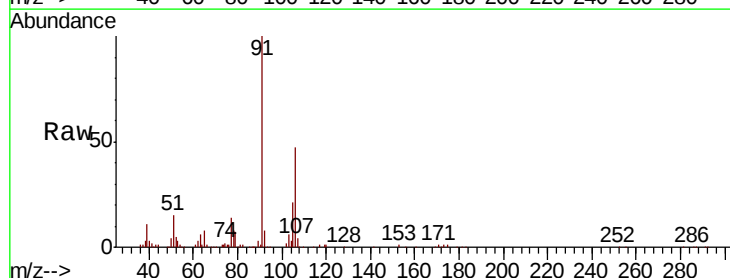
Acq: 2 Mar 2021 13:36

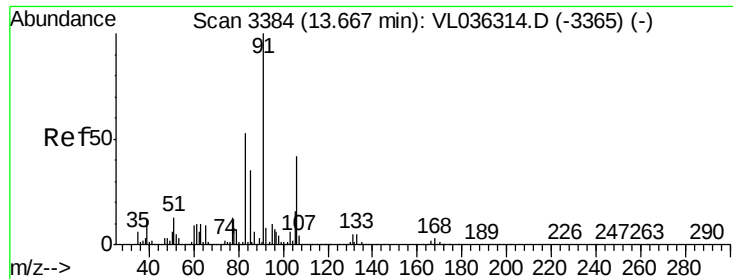
Tgt Ion: 91 Resp: 59556

Ion Ratio Lower Upper

91 100

106 229.2 34.2 51.2#





#60

o-Xylene

Concen: 0.457 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

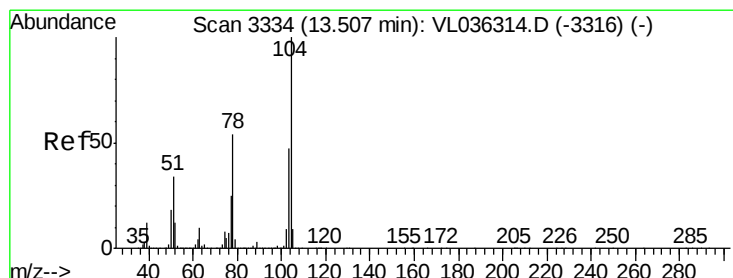
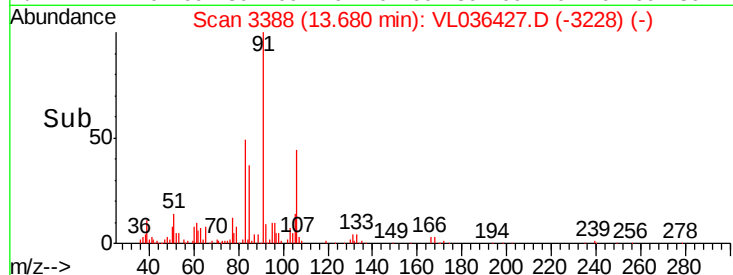
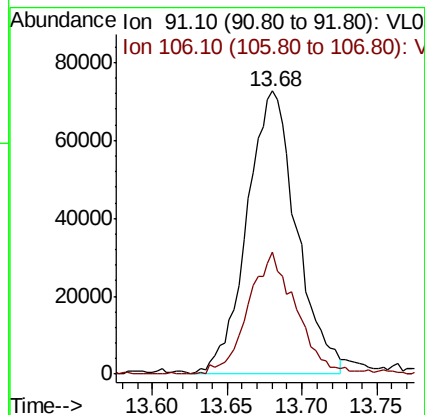
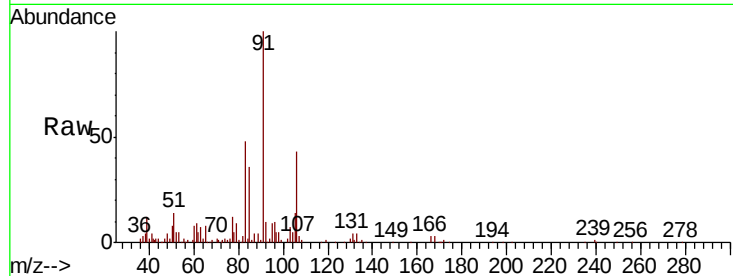
MDL-AIR-01-QT1-2021

Tot Ion: 91 Resp: 166713

Ion Ratio Lower Upper

91 100

106 42.7 22.0 66.0



#61

Styrene

Concen: 0.173 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

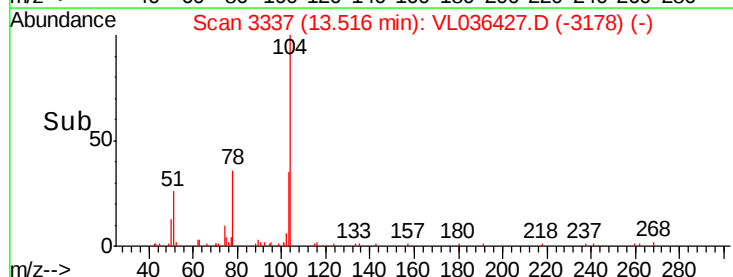
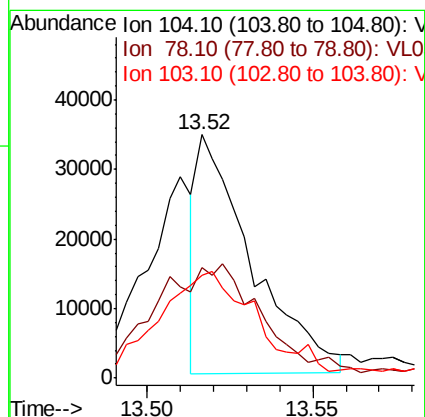
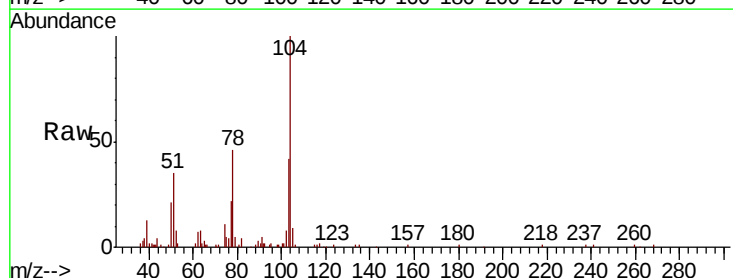
Tgt Ion: 104 Resp: 39105

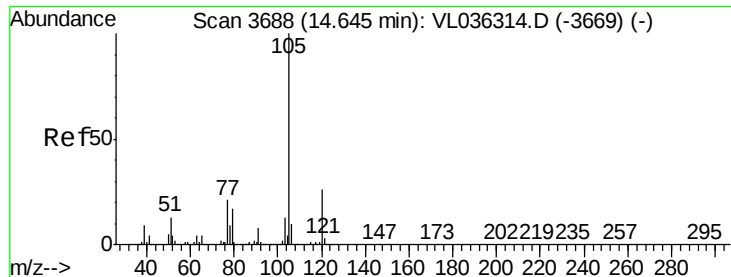
Ion Ratio Lower Upper

104 100

78 106.0 46.2 69.2#

103 92.8 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.468 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

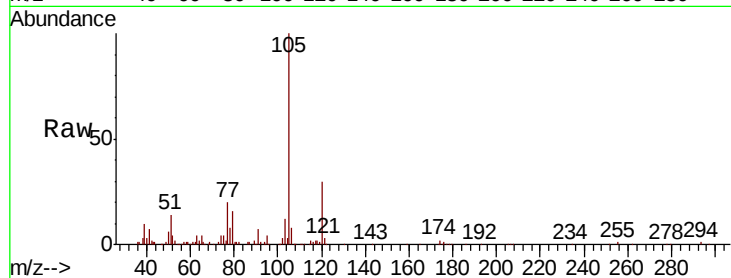
MDL-AIR-01-QT1-2021

Tot Ion:105 Resp: 255951

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

120000

100000

80000

60000

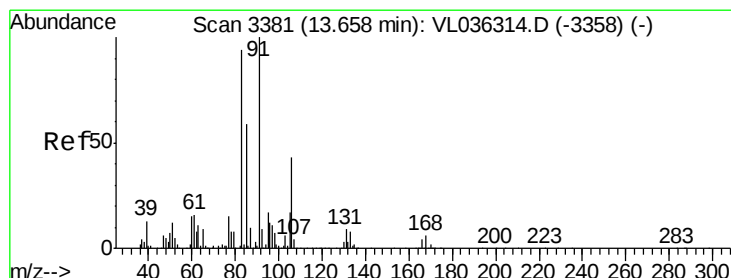
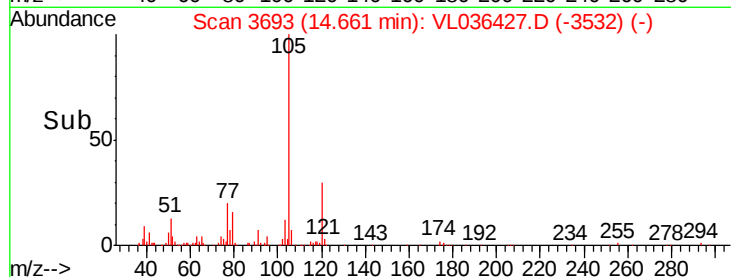
40000

20000

0

14.60 14.65 14.70

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.470 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

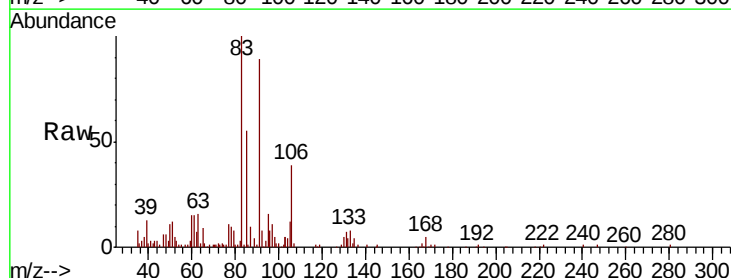
Tgt Ion: 83 Resp: 135398

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.0

85 74.0 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

80000

60000

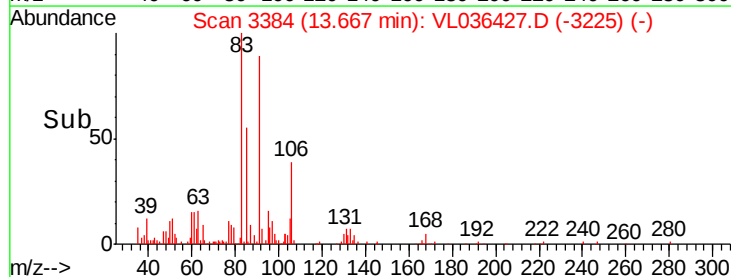
40000

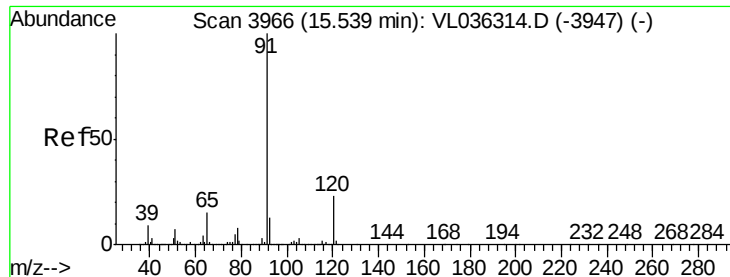
20000

0

13.60 13.65 13.70 13.75

Time-->





#64

n-propylbenzene

Concen: 0.324 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

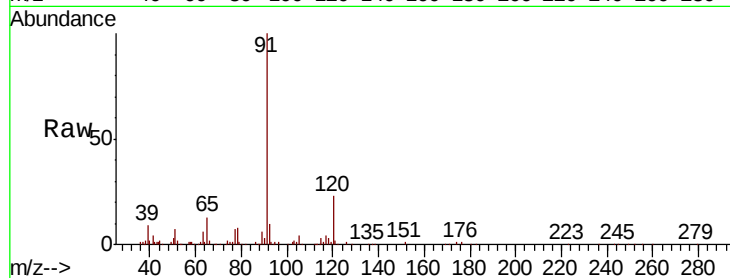
MDL-AIR-01-QT1-2021

Tot Ion:120 Resp: 43612

Ion Ratio Lower Upper

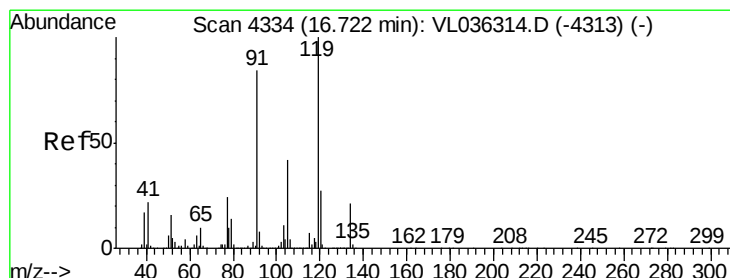
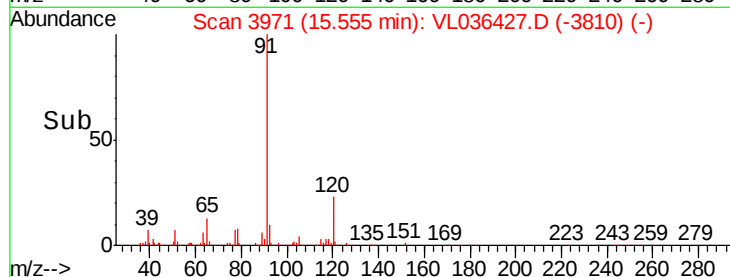
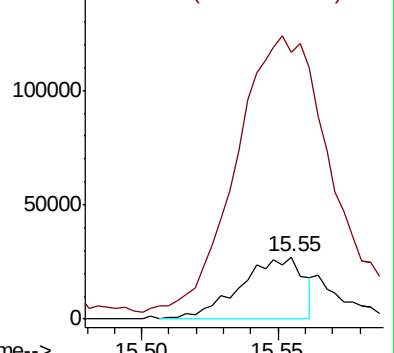
120 100

91 717.3 387.2 580.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.431 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

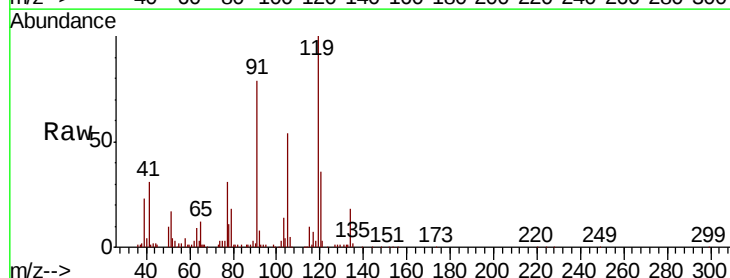
Tgt Ion:119 Resp: 201780

Ion Ratio Lower Upper

119 100

91 93.3 70.5 105.7

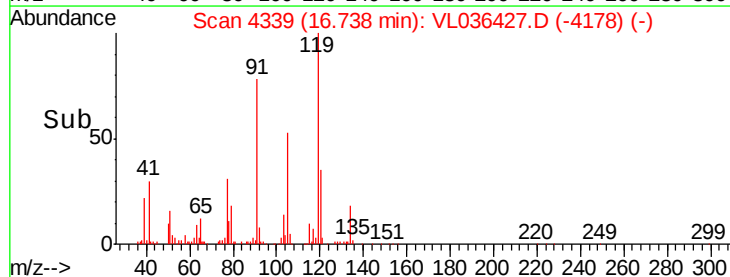
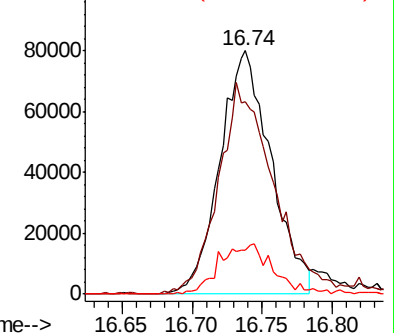
134 21.5 15.8 23.8

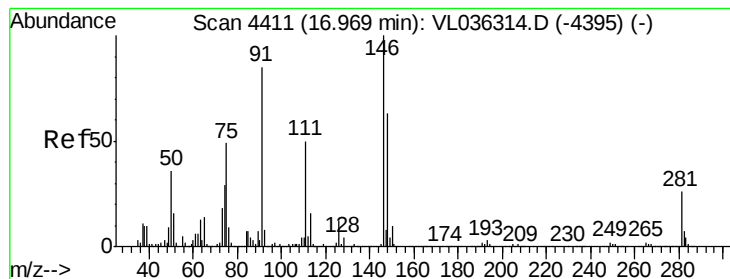


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 0.049 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.03 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

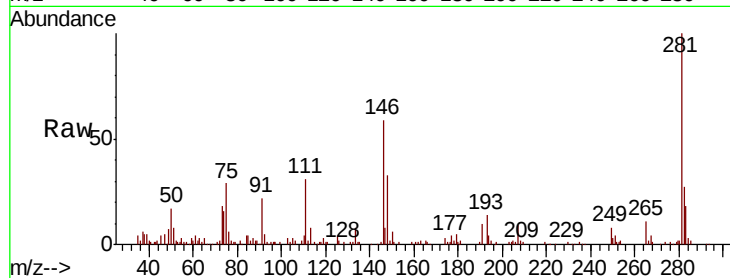
Tot Ion: 91 Resp: 6289

Ion Ratio Lower Upper

91 100

126 116.0 12.9 19.3#

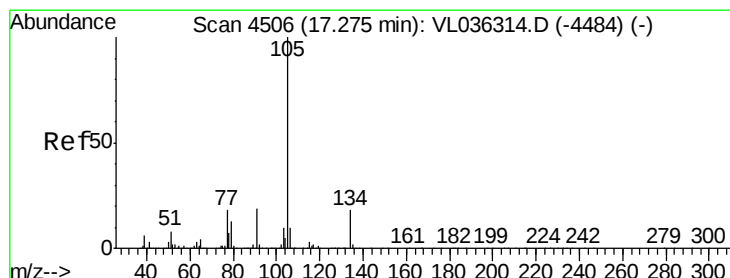
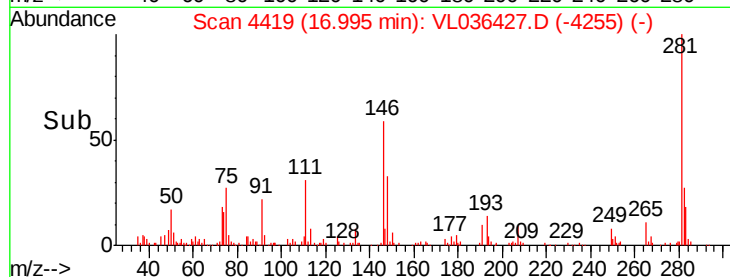
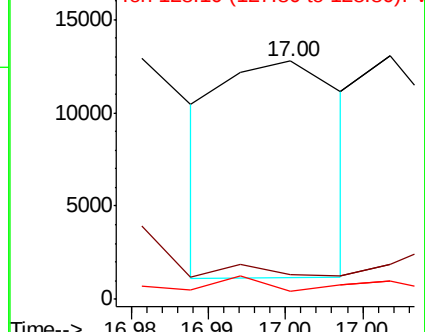
128 31.7 4.2 6.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



#67

sec-Butylbenzene

Concen: 0.439 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.01 min

Lab File: VL036427.D

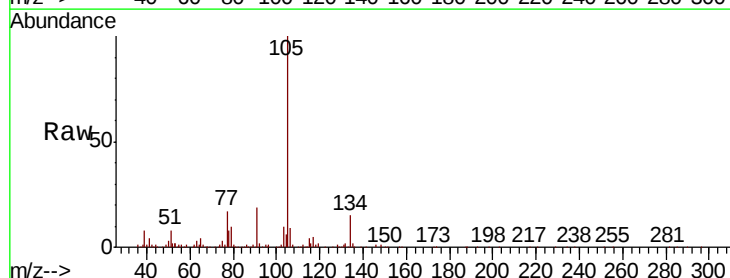
Acq: 2 Mar 2021 13:36

Tgt Ion: 105 Resp: 295833

Ion Ratio Lower Upper

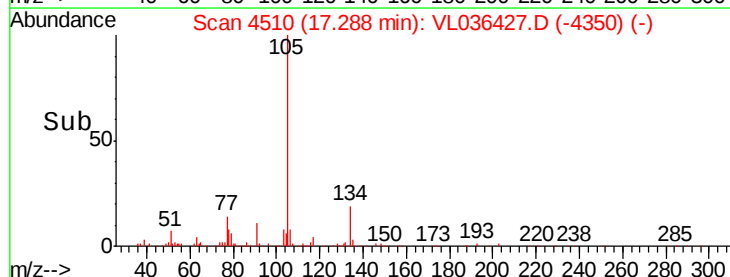
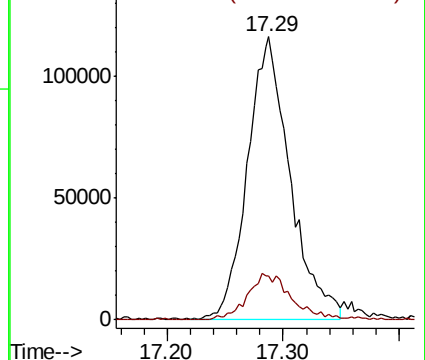
105 100

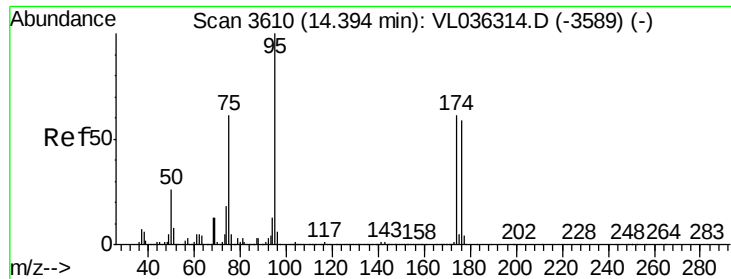
134 17.4 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

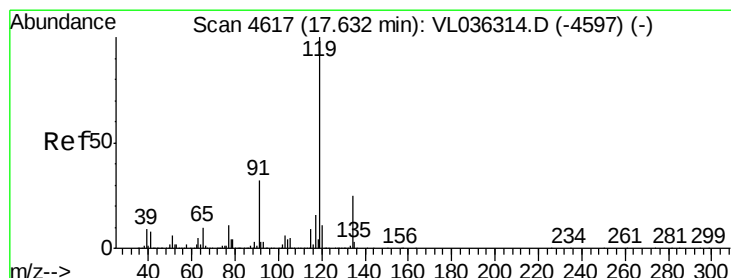
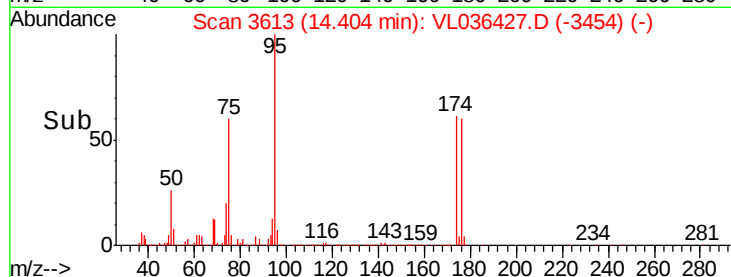
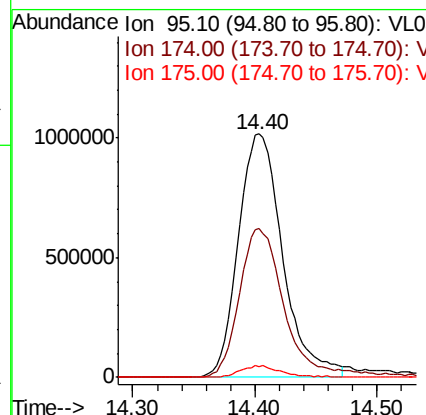
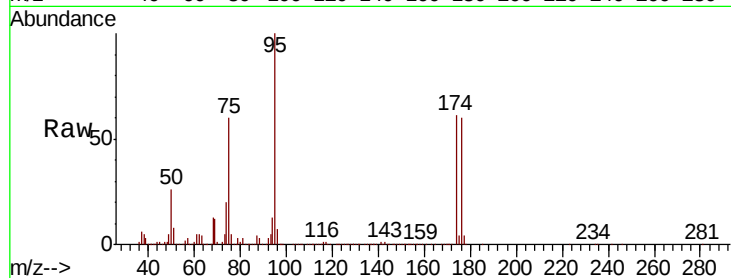




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.823 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. 0.01 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

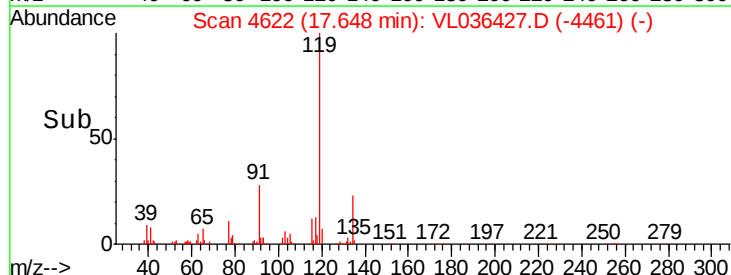
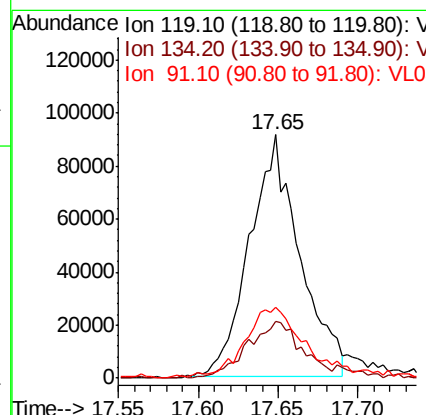
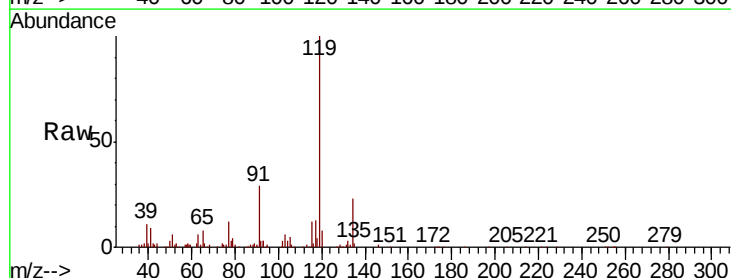
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

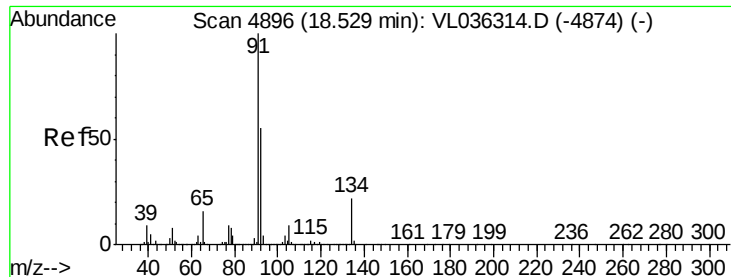
Tot Ion: 95 Resp: 2563220
 Ion Ratio Lower Upper
 95 100
 174 64.1 49.8 74.6
 175 4.7 3.7 5.5



#69
 p-Isopropyltoluene
 Concen: 0.379 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL036427.D
 Acq: 2 Mar 2021 13:36

Tgt Ion: 119 Resp: 197654
 Ion Ratio Lower Upper
 119 100
 134 28.4 20.1 30.1
 91 37.2 25.8 38.6

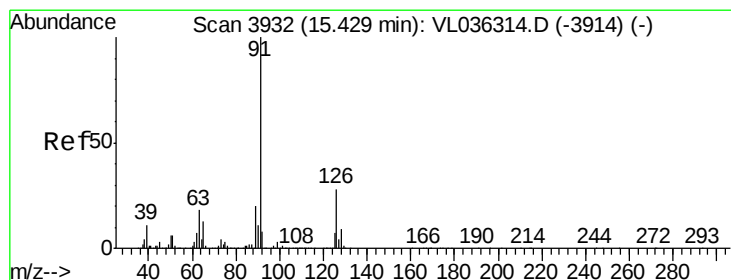
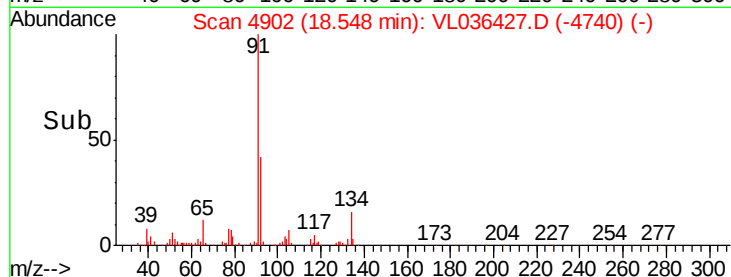
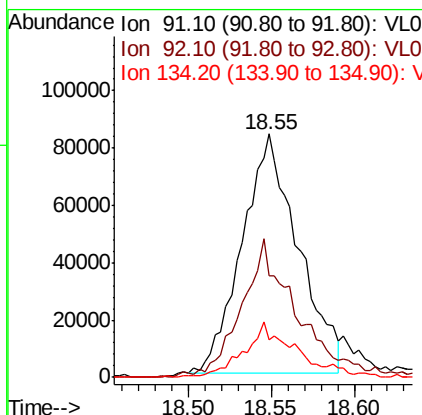
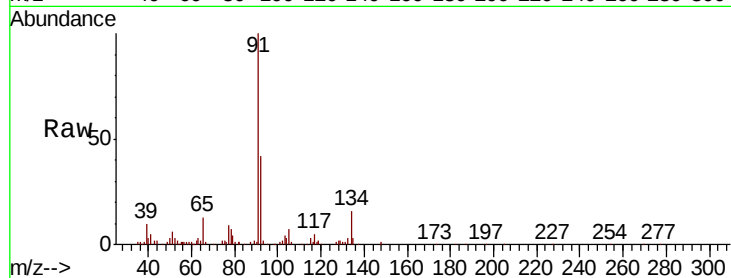




#70
n-Butylbenzene
Concen: 0.353 ppbv
RT: 18.55 min Scan# 4902
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

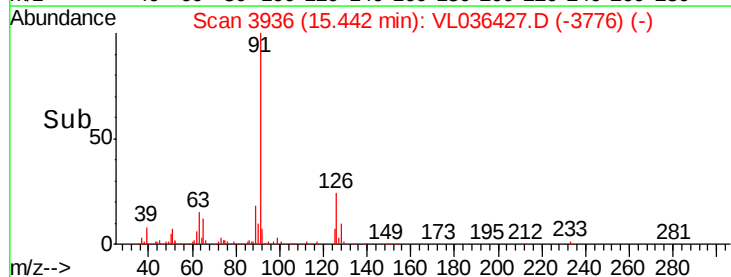
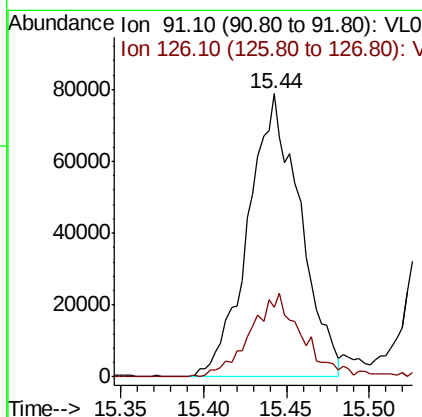
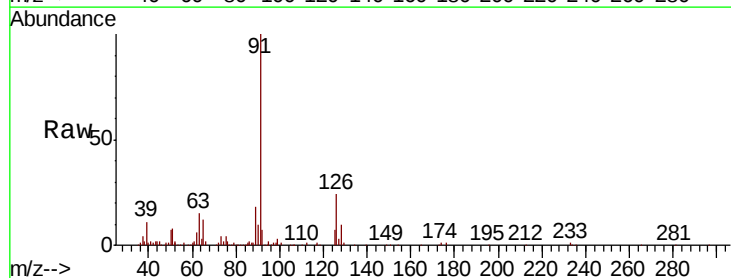
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

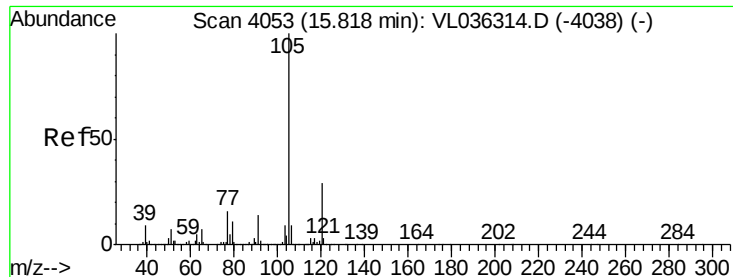
Tot Ion: 91 Resp: 197307
Ion Ratio Lower Upper
91 100
92 57.5 43.7 65.5
134 21.4 17.4 26.0



#71
2-Chlorotoluene
Concen: 0.409 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion: 91 Resp: 171550
Ion Ratio Lower Upper
91 100
126 30.3 11.5 46.1





#72

4-Ethyltoluene

Concen: 0.127 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

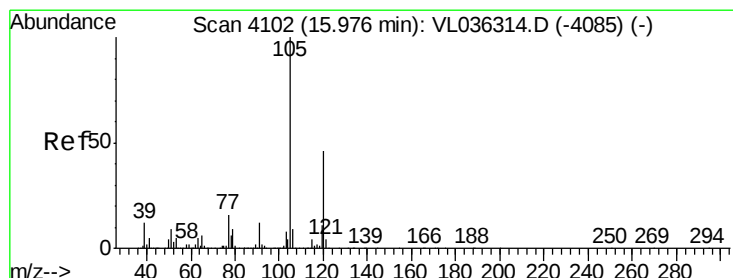
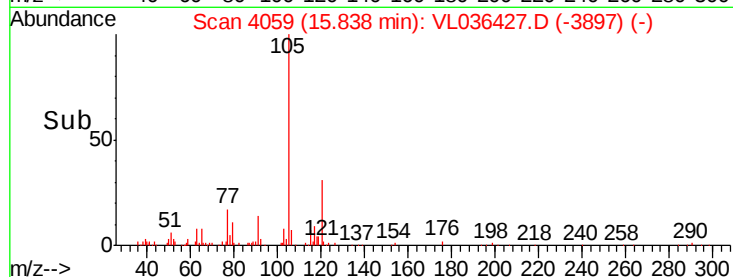
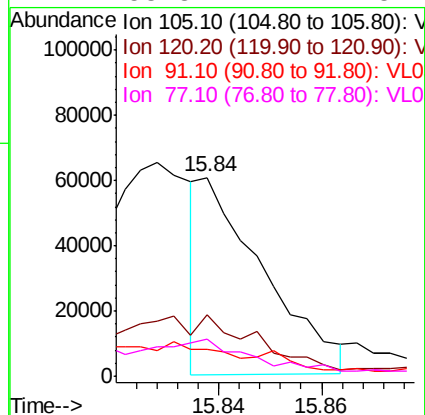
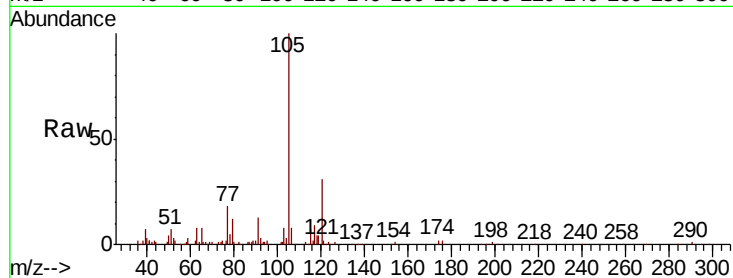
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:	105	Resp:	51557
Ion	Ratio	Lower	Upper
105	100		
120	89.7	23.2	34.8#
91	0.0	11.0	16.4#
77	53.3	12.2	18.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.174 ppbv

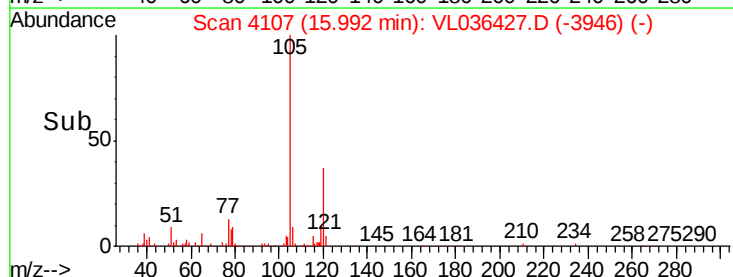
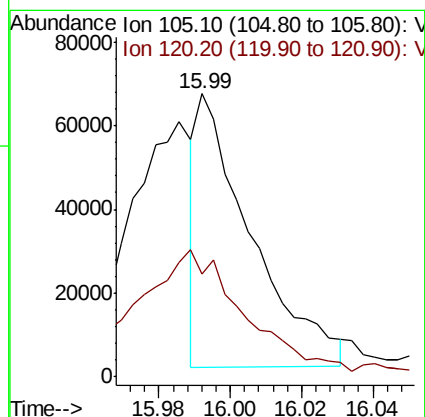
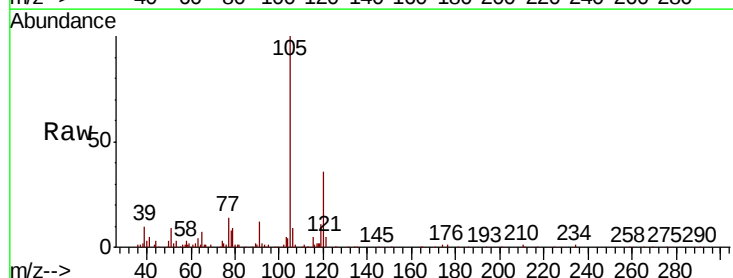
RT: 15.99 min Scan# 4107

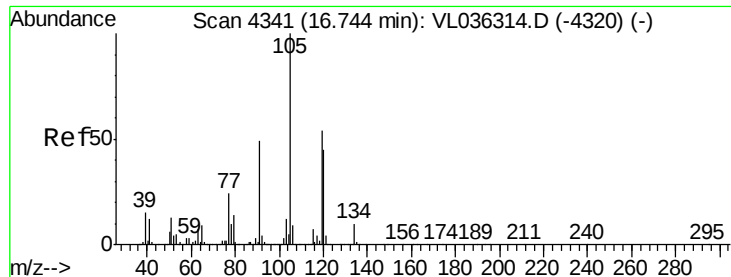
Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Tgt Ion:	105	Resp:	68545
Ion	Ratio	Lower	Upper
105	100		
120	35.9	36.9	55.3#





#74

1,2,4-Trimethylbenzene

Concen: 0.429 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion:105 Resp: 172470

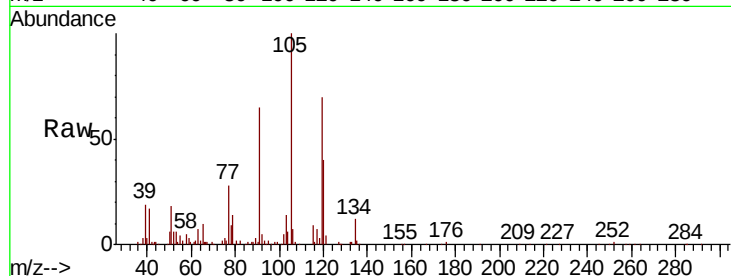
Ion Ratio Lower Upper

105 100

120 38.5 35.8 53.6

91 58.9 39.8 59.6

77 27.1 19.1 28.7

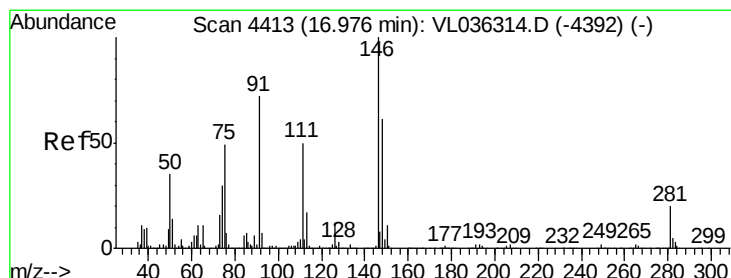
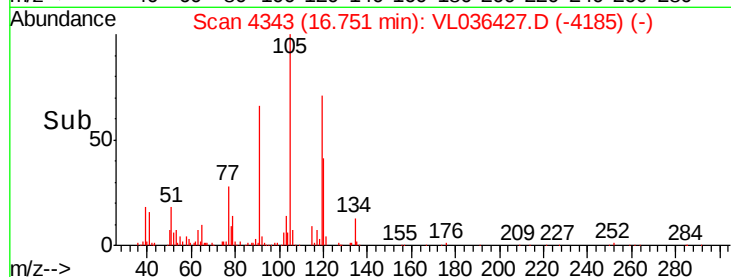
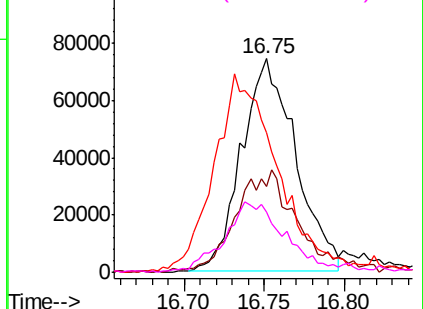


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.250 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

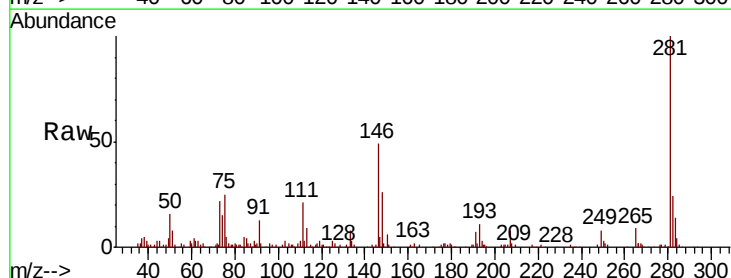
Tgt Ion:146 Resp: 54508

Ion Ratio Lower Upper

146 100

111 0.0 24.9 74.6#

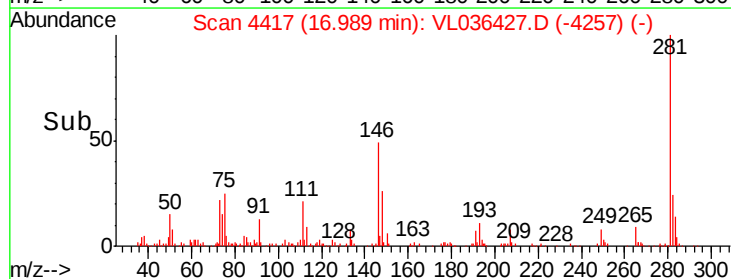
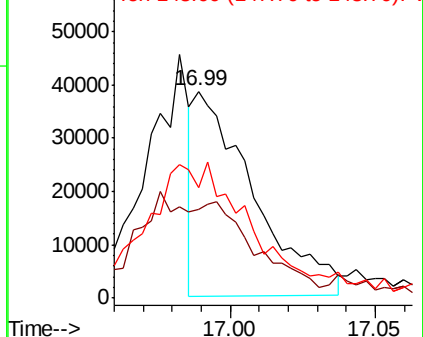
148 129.6 31.9 95.9#

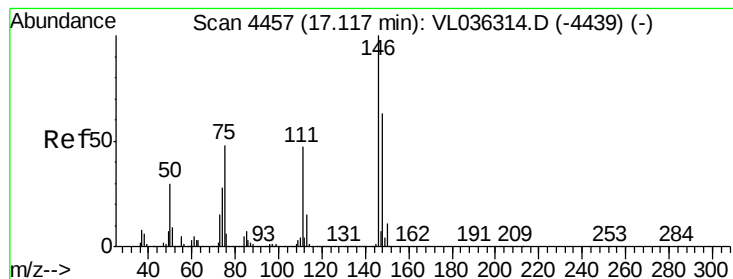


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.389 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.01 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

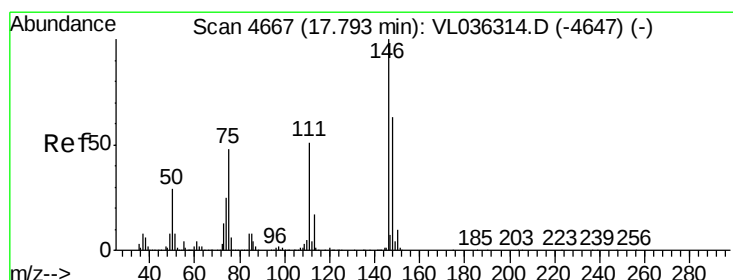
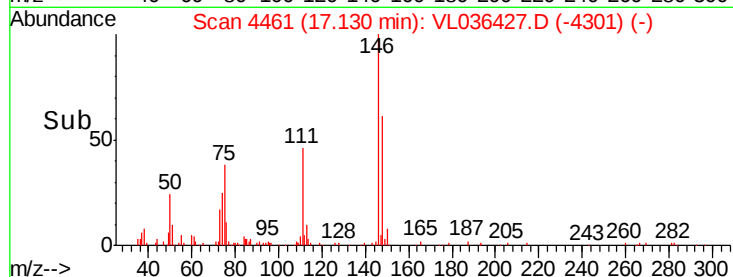
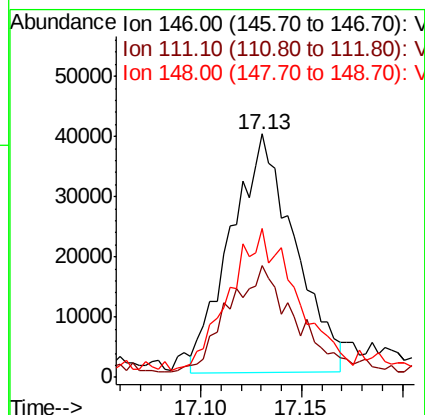
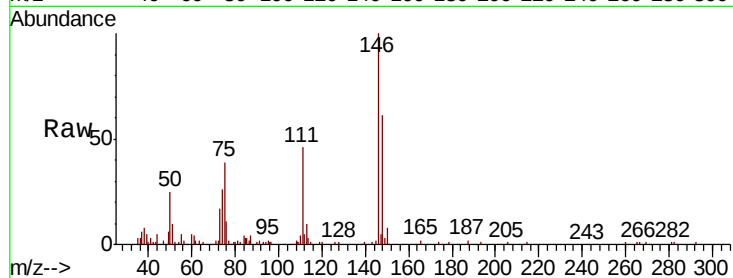
Tot Ion:146 Resp: 88062

Ion Ratio Lower Upper

146 100

111 57.3 23.6 71.0

148 77.5 31.6 95.0



#77

1,2-Dichlorobenzene

Concen: 0.227 ppbv

RT: 17.81 min Scan# 4673

Delta R.T. 0.02 min

Lab File: VL036427.D

Acq: 2 Mar 2021 13:36

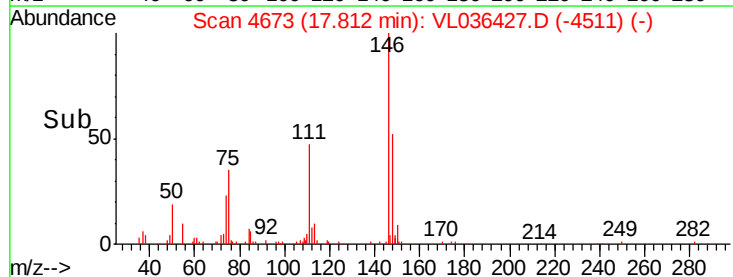
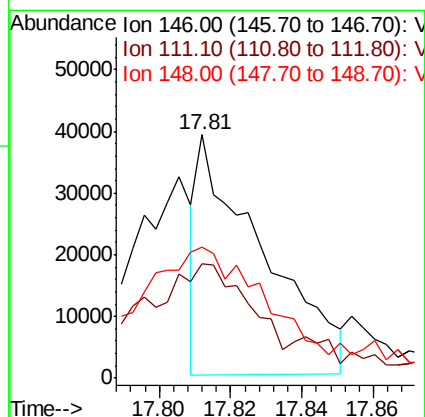
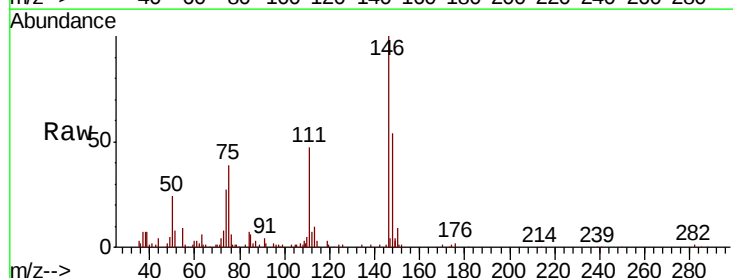
Tgt Ion:146 Resp: 49132

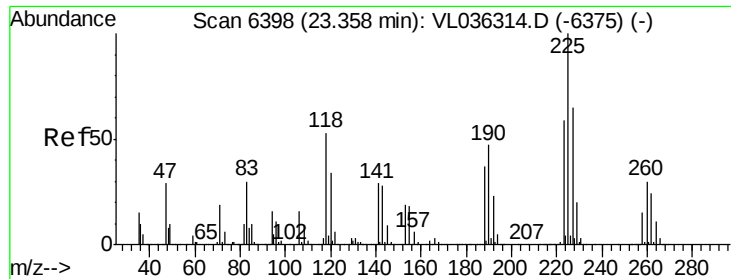
Ion Ratio Lower Upper

146 100

111 111.8 25.9 77.8#

148 135.7 32.5 97.4#

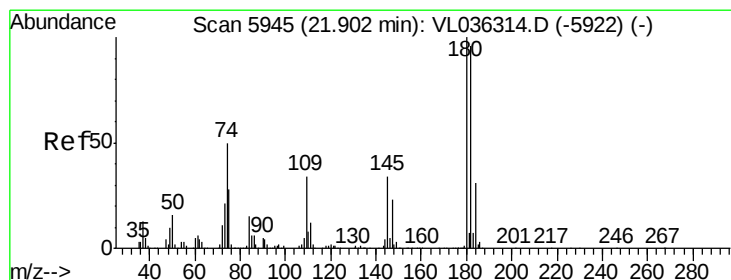
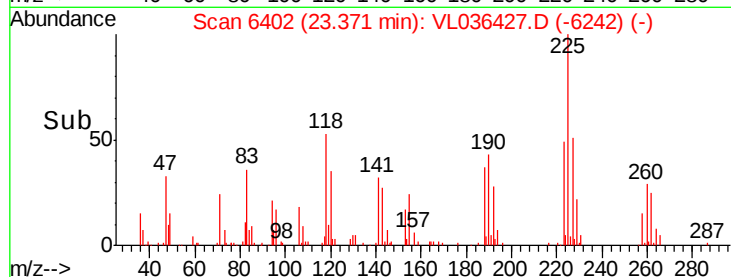
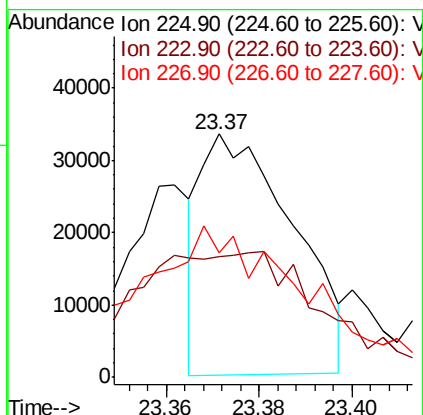
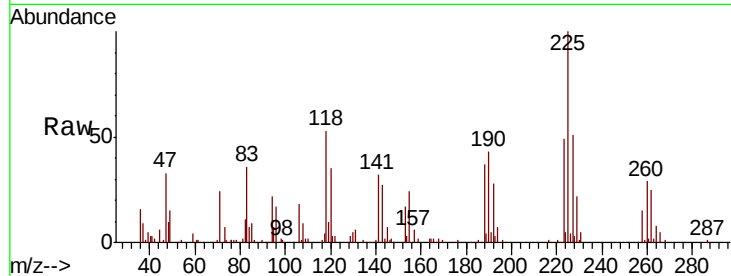




#78
Hexachloro-1,3-Butadiene
Concen: 0.260 ppbv
RT: 23.37 min Scan# 6402
Delta R.T. 0.01 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

Tot Ion:225 Resp: 45884
Ion Ratio Lower Upper
225 100
223 116.5 50.8 76.2#
227 122.6 52.2 78.2#



#81
1,2,4-Trichlorobenzene
Concen: 0.058 ppbv
RT: 21.92 min Scan# 5951
Delta R.T. 0.02 min
Lab File: VL036427.D
Acq: 2 Mar 2021 13:36

Tgt Ion:180 Resp: 8482
Ion Ratio Lower Upper
180 100
182 0.0 80.2 120.4#
184 0.0 25.0 37.6#

