

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036428.D
 Acq On : 2 Mar 2021 14:13
 Operator : SY/AP
 Sample : M1458-15 0.40
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 03 03:11:17 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	1597515	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3559777	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3191344	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2551602	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	133408	0.560	ppbv 91
3) Chlorodifluoromethane	2.98	51	95190	0.480	ppbv 95
4) Chloromethane	3.13	50	45624	0.476	ppbv 96
5) Vinyl Chloride	3.25	62	37693	0.422	ppbv 95
6) Bromomethane	3.46	94	16815	0.317	ppbv 95
7) Chloroethane	3.55	64	12691	0.400	ppbv # 83
8) Dichlorotetrafluoroethane	3.18	85	98005	0.452	ppbv 89
9) Propene	3.00	41	21868	0.295	ppbv # 36
10) Heptane	8.11	43	69170	0.317	ppbv # 83
11) Trichlorofluoromethane	3.94	101	107981	0.463	ppbv 89
12) 1,1,2-Trichlorotrifluoroet	4.47	101	66552	0.460	ppbv 95
13) Ethanol	3.60	45	2378	0.171	ppbv # 1
14) Bromoethene	3.73	108	10039	0.166	ppbv # 1
15) Acetone	3.85	43	101040	0.517	ppbv # 79
16) 1,3-Butadiene	3.32	39	20665	0.221	ppbv # 42
17) tert-Butyl alcohol	4.29	59	21010	0.139	ppbv # 71
18) 1,1-Dichloroethene	4.28	96	26788	0.408	ppbv 99
19) Isopropyl Alcohol	3.97	45	31339	0.290	ppbv # 65
20) Methylene Chloride	4.33	84	26961	0.428	ppbv # 67
21) Allyl Chloride	4.40	41	37744	0.347	ppbv 85
22) trans-1,2-Dichloroethene	4.88	96	23766	0.398	ppbv 78
23) Vinyl Acetate	5.06	43	31311	0.136	ppbv # 84
24) 1,1-Dichloroethane	5.00	63	72328	0.426	ppbv 98
25) Ethyl Acetate	5.67	43	145026	0.385	ppbv 97
26) Hexane	5.67	57	58063	0.375	ppbv # 78
27) Carbon Disulfide	4.54	76	43998	0.309	ppbv # 72
28) Methyl tert-Butyl Ether	5.03	73	72458	0.358	ppbv 97
29) Chloroform	5.74	83	113379	0.454	ppbv 96
30) Cyclohexane	7.11	84	26167	0.203	ppbv # 52
31) cis-1,2-Dichloroethene	5.53	61	24743	0.161	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	47334	0.203	ppbv # 7
34) 2-Butanone	5.24	43	30628	0.129	ppbv # 55
35) Carbon Tetrachloride	7.00	117	92302	0.387	ppbv 92
36) Benzene	6.88	78	111340	0.368	ppbv # 92
37) 1,2-Dichloroethane	6.29	62	74606	0.399	ppbv # 96
38) Trichloroethene	7.82	130	17337	0.160	ppbv # 83
39) 1,2-Dichloropropane	7.60	63	43282	0.352	ppbv # 84
41) Tetrahydrofuran	6.06	42	20208	0.153	ppbv # 39
42) Bromodichloromethane	7.77	83	43985	0.176	ppbv 88
43) Methyl Methacrylate	8.01	69	32014	0.251	ppbv # 70
44) 2,2,4-Trimethylpentane	7.85	57	111191	0.202	ppbv # 33

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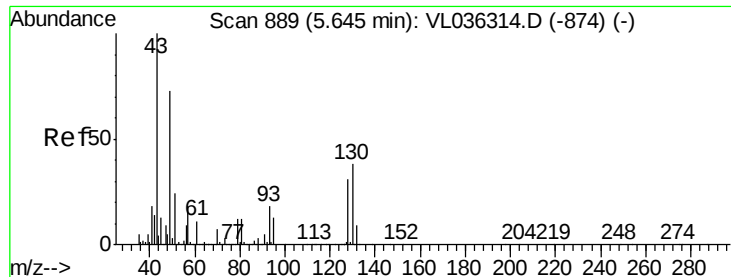
Instrument :
 MSVOA_L
 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) cis-1,3-Dichloropropene	8.69	75	43598	0.279	ppbv	# 81
47) 1,1,2-Trichloroethane	9.46	97	25993	0.207	ppbv	96
48) Dibromochloromethane	10.29	129	29922	0.160	ppbv	# 1
49) Bromoform	13.02	173	49851	0.329	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	103523	0.295	ppbv	96
51) 2-Hexanone	10.13	43	13993	0.052	ppbv	# 29
52) Tetrachloroethene	11.21	164	23480	0.212	ppbv	83
53) Toluene	9.79	91	49528	0.151	ppbv	# 20
54) 1,2-Dibromoethane	10.59	107	27913	0.154	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.12	131	20485	0.140	ppbv	# 1
57) Chlorobenzene	12.13	112	117421	0.476	ppbv	# 94
58) Ethyl Benzene	12.70	91	146413	0.335	ppbv	98
59) m/p-Xylene	12.99	91	84996	0.221	ppbv	# 33
60) o-Xylene	13.68	91	133236	0.363	ppbv	95
61) Styrene	13.52	104	24293	0.107	ppbv	# 1
62) Isopropylbenzene	14.66	105	217223	0.395	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	62681	0.216	ppbv	# 15
64) n-propylbenzene	15.55	120	34368	0.254	ppbv	# 1
65) tert-Butylbenzene	16.74	119	80311	0.171	ppbv	# 1
66) Benzyl Chloride	16.99	91	5023	0.039	ppbv	# 1
67) sec-Butylbenzene	17.28	105	245656	0.362	ppbv	100
69) p-Isopropyltoluene	17.65	119	85781	0.164	ppbv	# 39
70) n-Butylbenzene	18.55	91	178590	0.317	ppbv	94
71) 2-Chlorotoluene	15.45	91	66504	0.158	ppbv	# 18
72) 4-Ethyltoluene	15.83	105	127880	0.313	ppbv	# 93
73) 1,3,5-Trimethylbenzene	15.99	105	124331	0.314	ppbv	94
74) 1,2,4-Trimethylbenzene	16.75	105	130816	0.324	ppbv	# 91
75) 1,3-Dichlorobenzene	16.99	146	48224	0.220	ppbv	# 17
76) 1,4-Dichlorobenzene	17.13	146	35483	0.156	ppbv	# 11
77) 1,2-Dichlorobenzene	17.81	146	29768	0.137	ppbv	# 1
78) Hexachloro-1,3-Butadiene	23.37	225	51760	0.291	ppbv	# 49
79) Naphthalene	22.19	128	10857	0.045	ppbv	# 88
81) 1,2,4-Trichlorobenzene	21.94	180	9053	0.062	ppbv	# 1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

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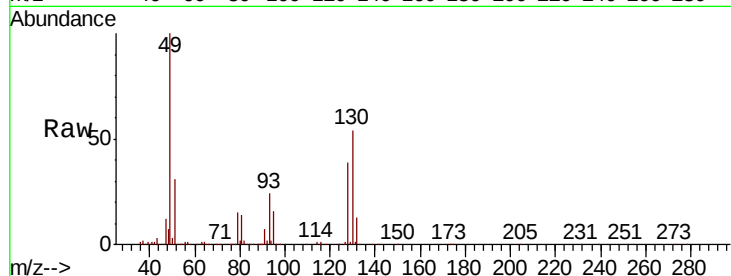
Tot Ion: 49 Resp: 1597515

Ion Ratio Lower Upper

49 100

128 42.4 20.8 62.5

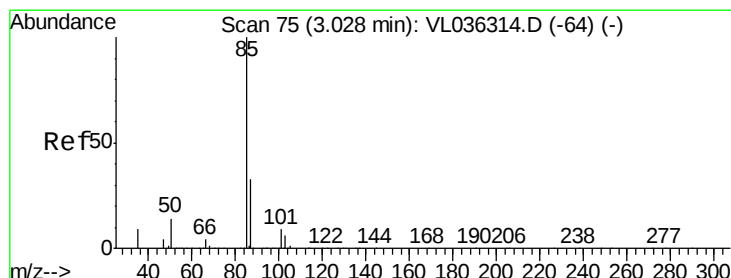
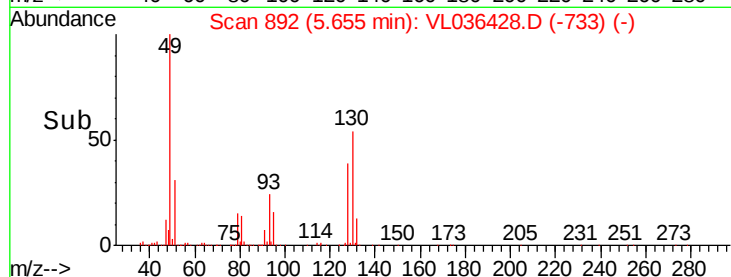
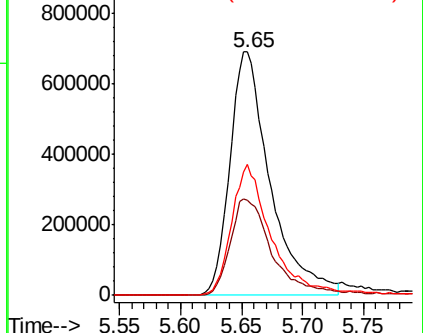
130 53.5 26.7 80.1



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: 0.560 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL036428.D

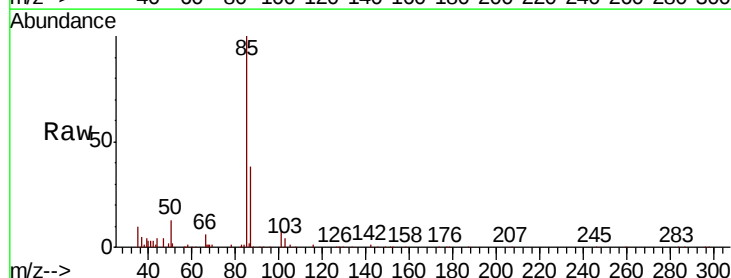
Acq: 2 Mar 2021 14:13

Tgt Ion: 85 Resp: 133408

Ion Ratio Lower Upper

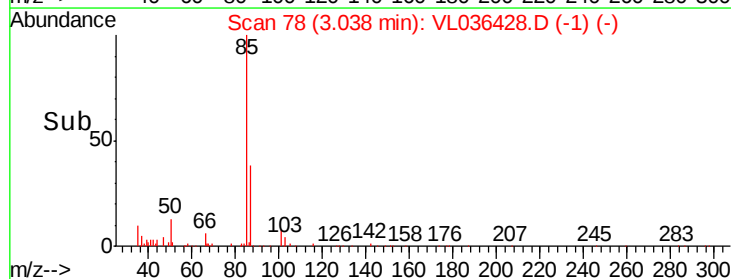
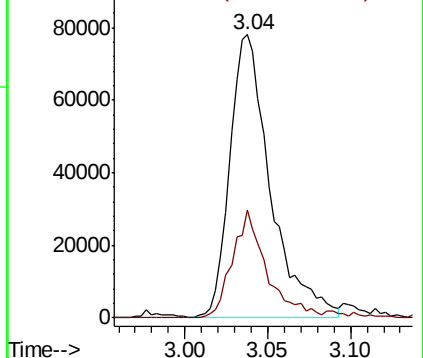
85 100

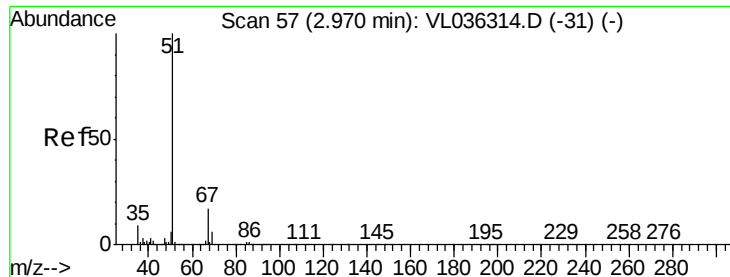
87 38.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.480 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

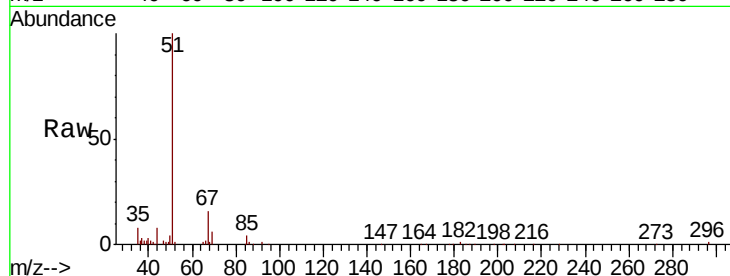
MDL-AIR-01-QT1-2021

Tot Ion: 51 Resp: 95190

Ion Ratio Lower Upper

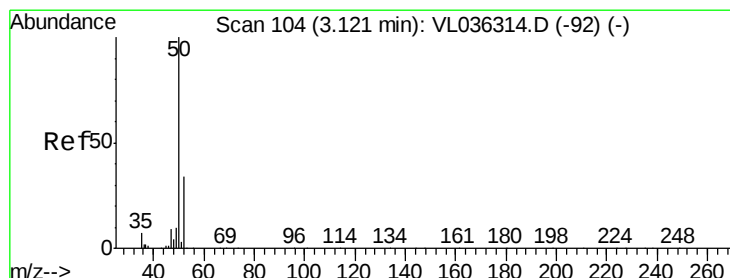
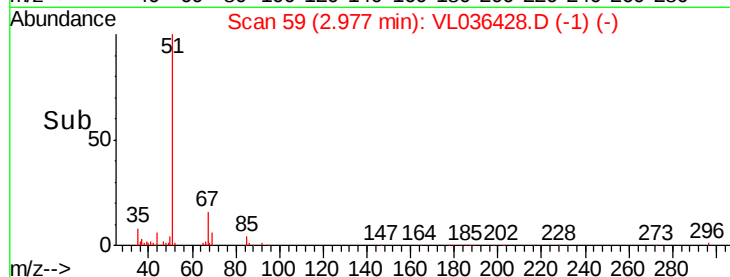
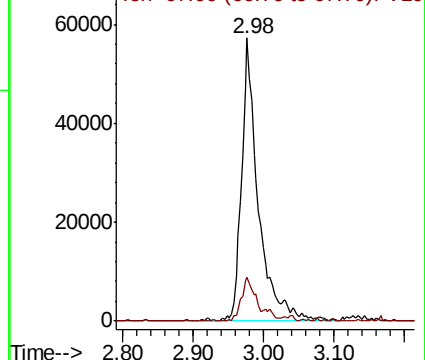
51 100

67 16.3 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: 0.476 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.01 min

Lab File: VL036428.D

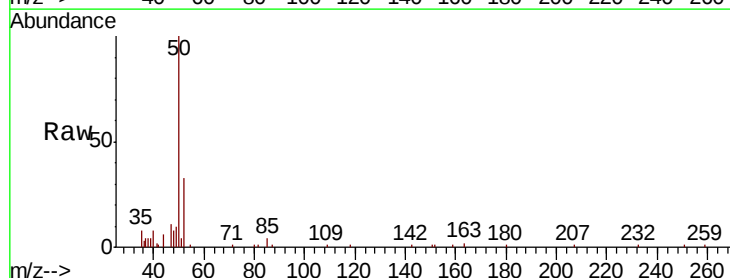
Acq: 2 Mar 2021 14:13

Tgt Ion: 50 Resp: 45624

Ion Ratio Lower Upper

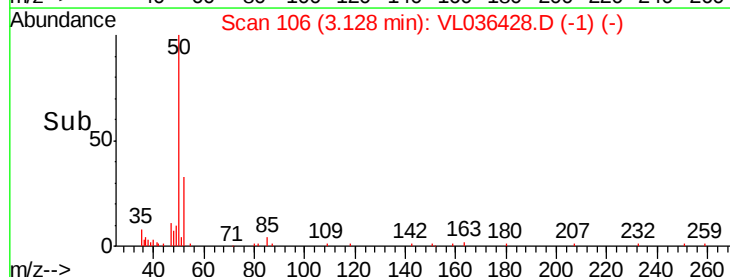
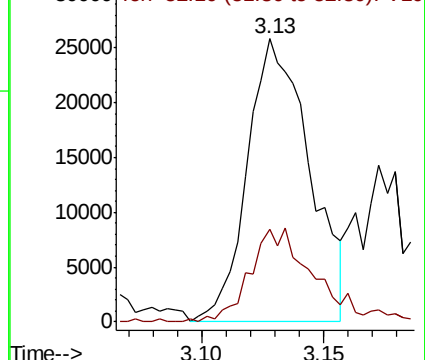
50 100

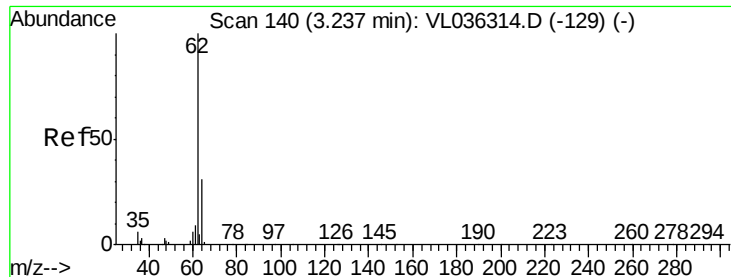
52 31.7 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.422 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

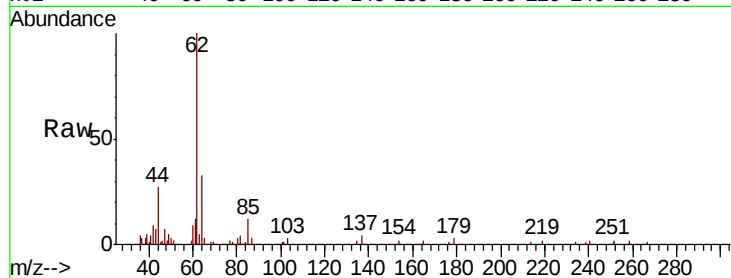
MDL-AIR-01-QT1-2021

Tot Ion: 62 Resp: 37693

Ion Ratio Lower Upper

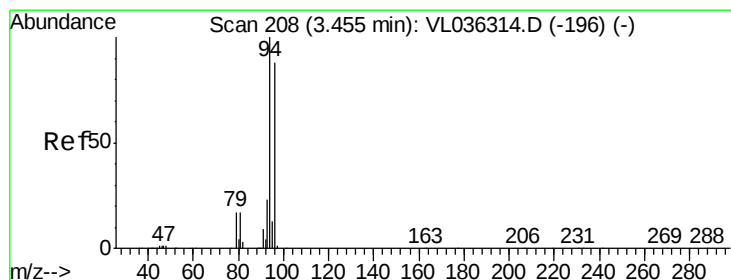
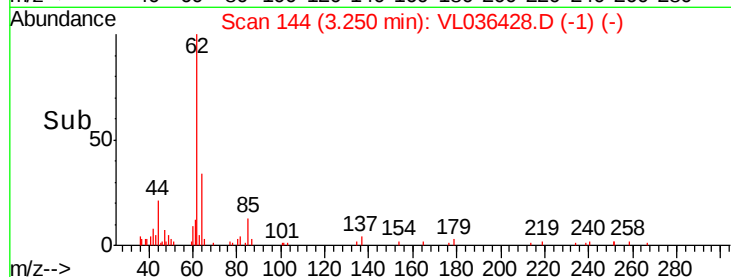
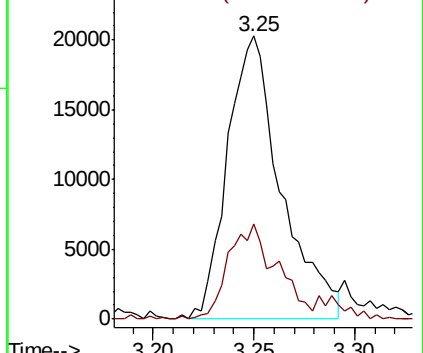
62 100

64 33.4 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.317 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL036428.D

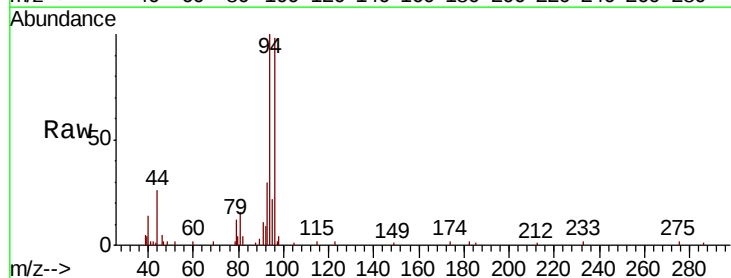
Acq: 2 Mar 2021 14:13

Tgt Ion: 94 Resp: 16815

Ion Ratio Lower Upper

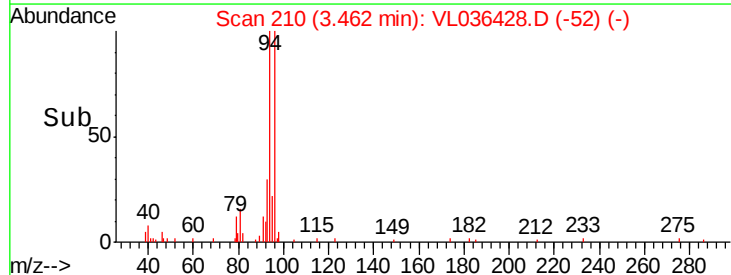
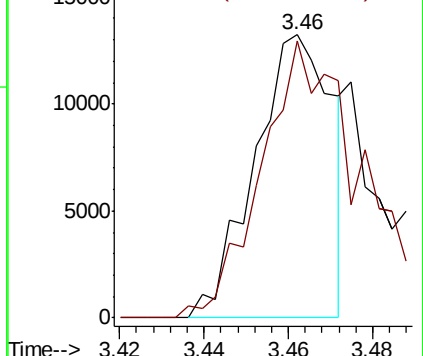
94 100

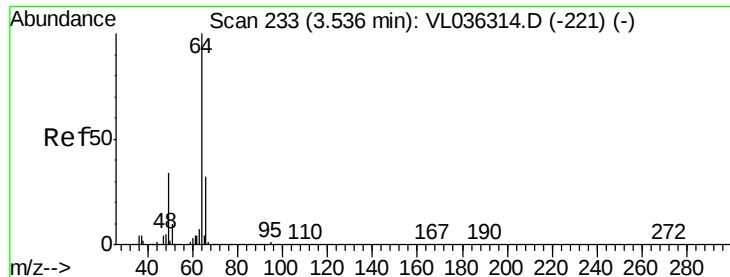
96 93.6 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.400 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

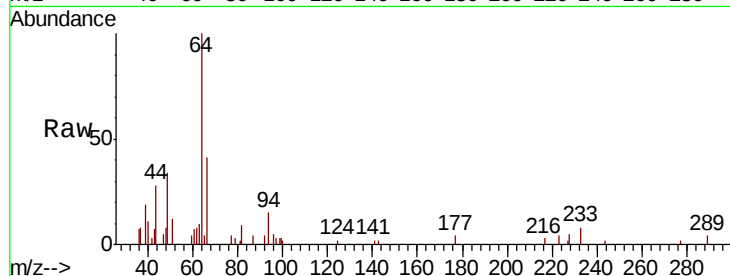
MDL-AIR-01-QT1-2021

Tot Ion: 64 Resp: 12691

Ion Ratio Lower Upper

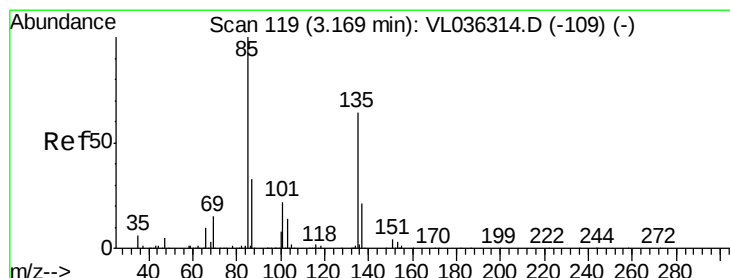
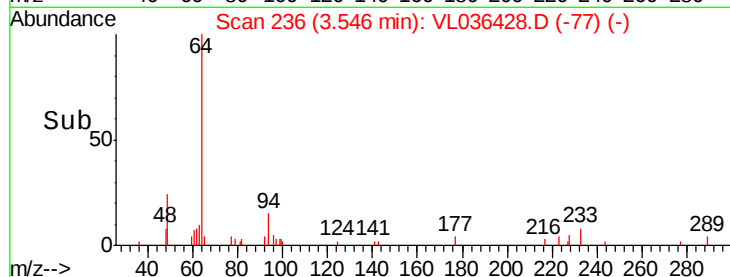
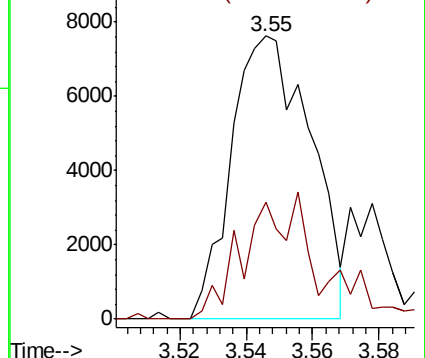
64 100

66 41.4 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: 0.452 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036428.D

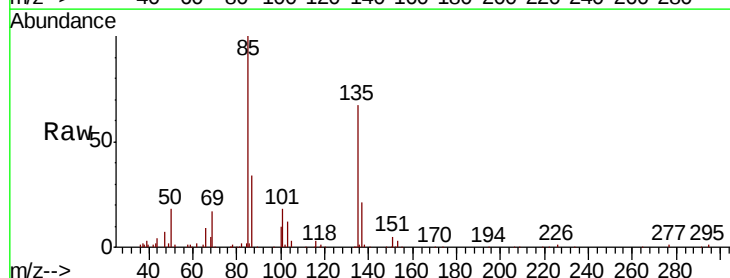
Acq: 2 Mar 2021 14:13

Tgt Ion: 85 Resp: 98005

Ion Ratio Lower Upper

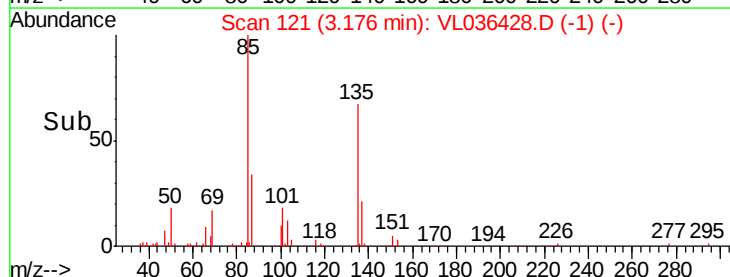
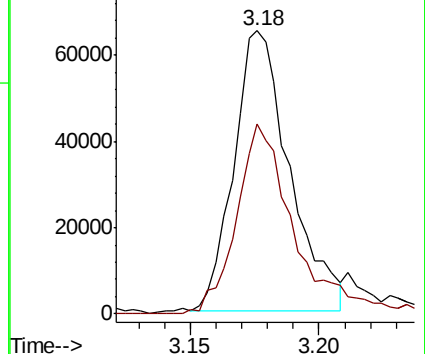
85 100

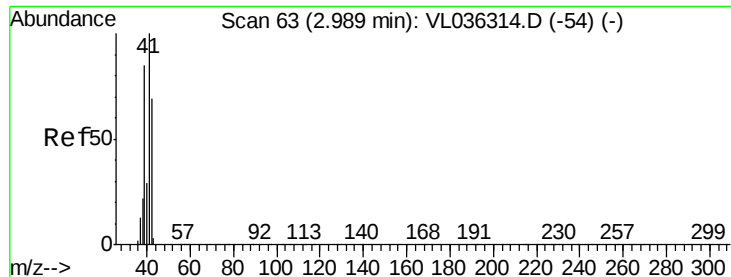
135 72.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.295 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

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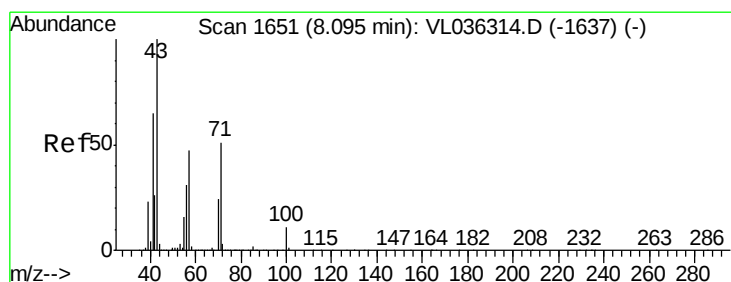
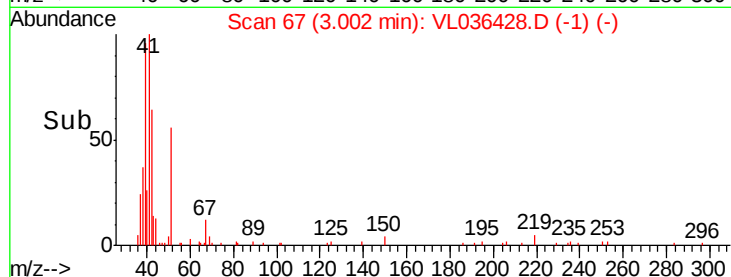
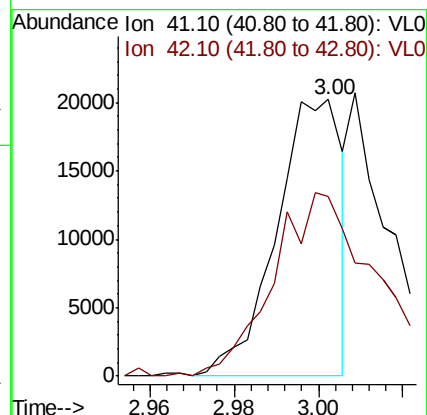
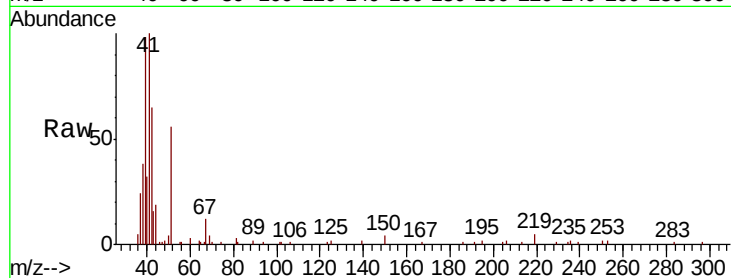
MDL-AIR-01-QT1-2021

Tot Ion: 41 Resp: 21868

Ion Ratio Lower Upper

41 100

42 122.7 56.2 84.2#



#10

Heptane

Concen: 0.317 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036428.D

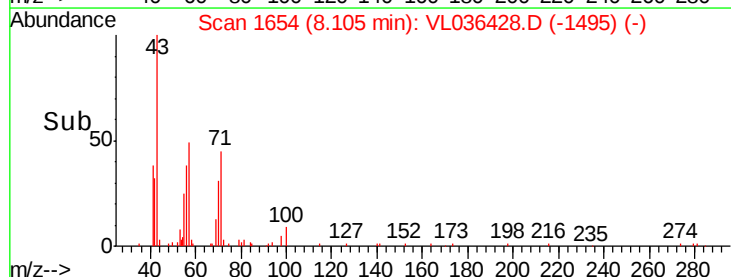
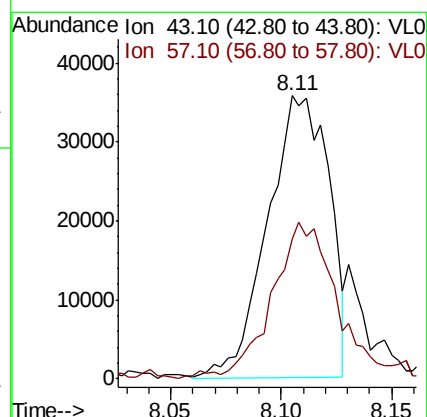
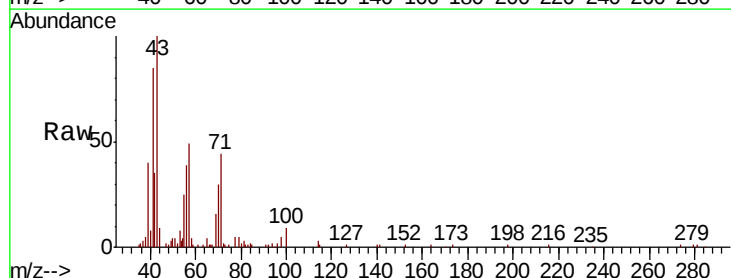
Acq: 2 Mar 2021 14:13

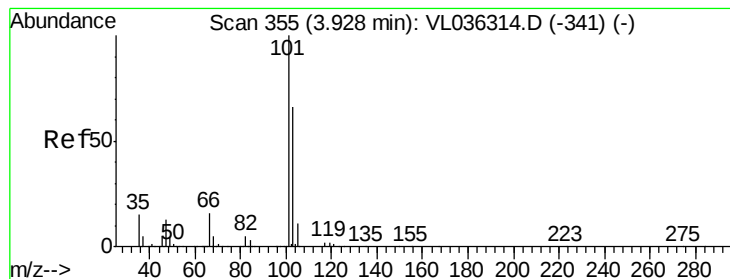
Tgt Ion: 43 Resp: 69170

Ion Ratio Lower Upper

43 100

57 61.1 39.4 59.2#





#11

Trichlorofluoromethane

Concen: 0.463 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

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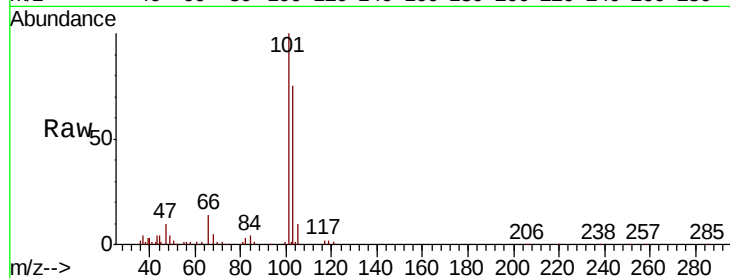
MDL-AIR-01-QT1-2021

Tot Ion:101 Resp: 107981

Ion Ratio Lower Upper

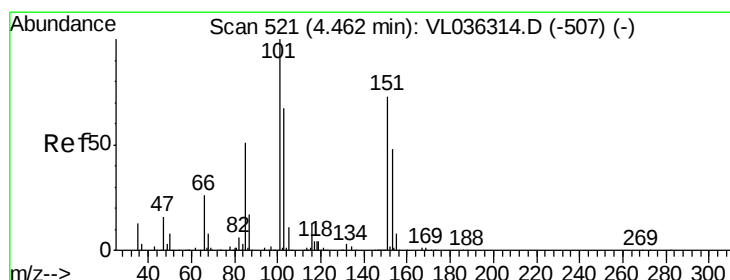
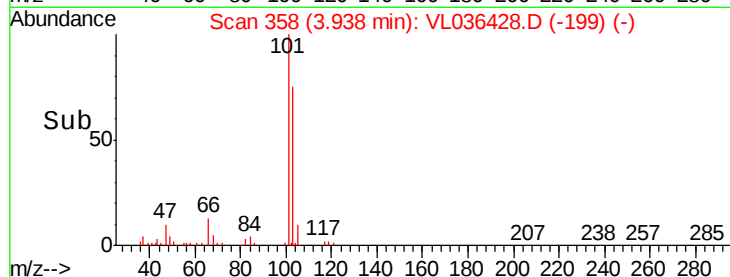
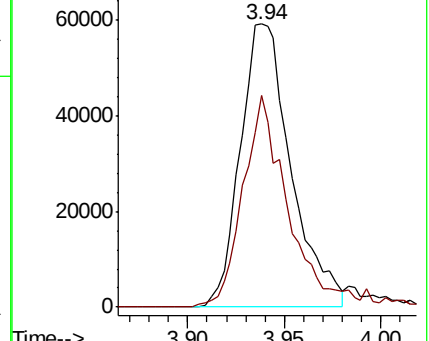
101 100

103 74.5 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: 0.460 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL036428.D

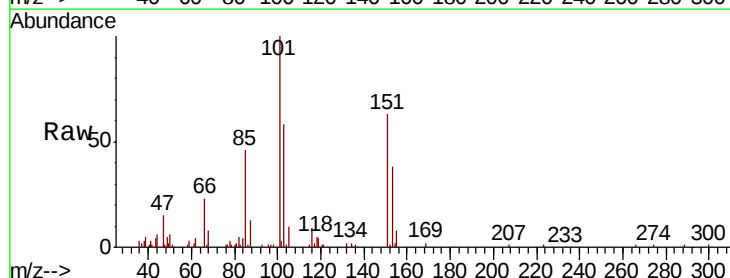
Acq: 2 Mar 2021 14:13

Tgt Ion:101 Resp: 66552

Ion Ratio Lower Upper

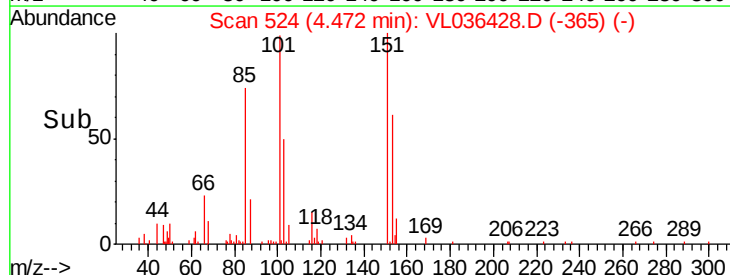
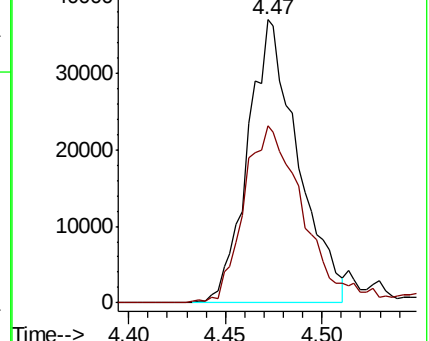
101 100

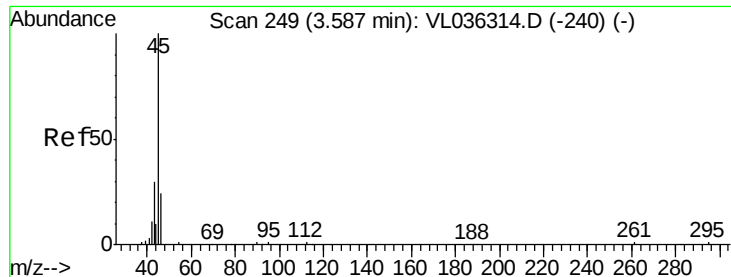
151 77.2 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.171 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

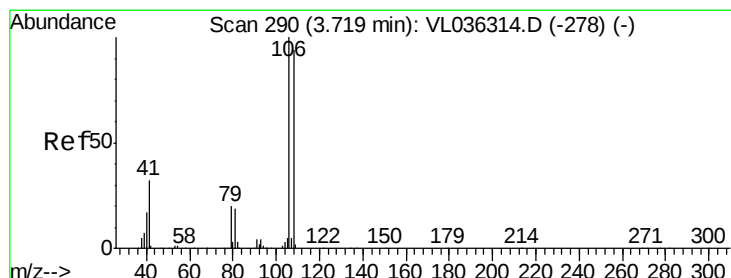
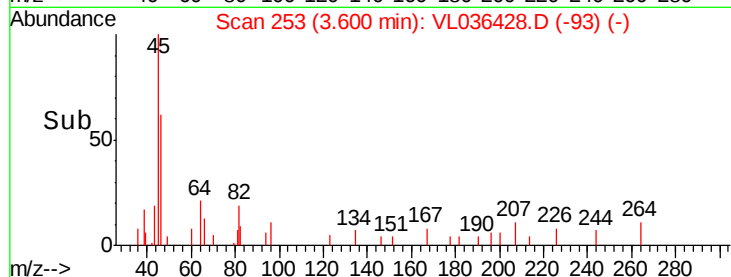
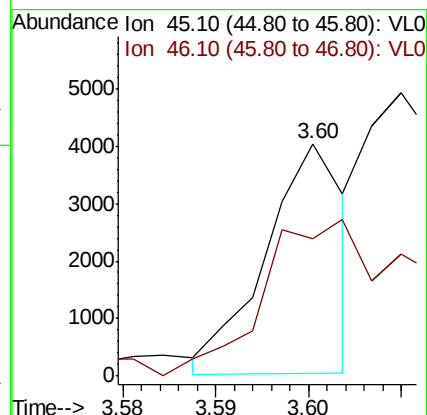
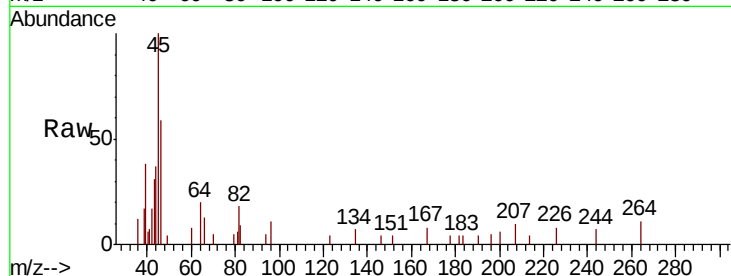
MDL-AIR-01-QT1-2021

Tot Ion: 45 Resp: 2378

Ion Ratio Lower Upper

45 100

46 317.1 17.7 70.7#



#14

Bromoethene

Concen: 0.166 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

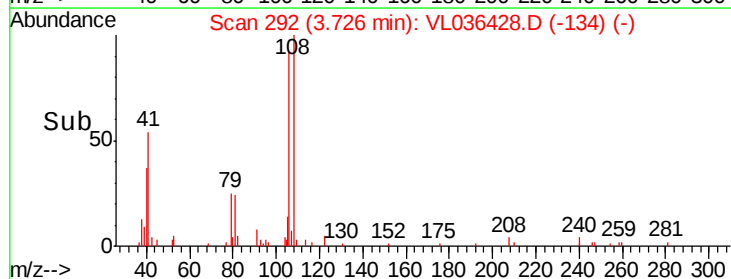
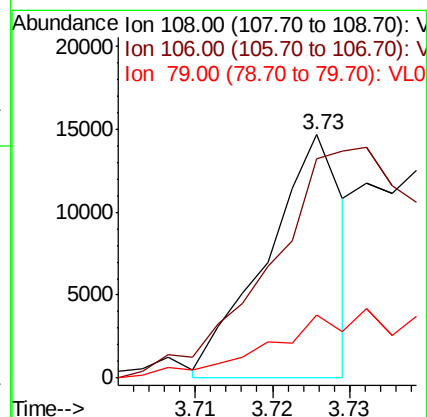
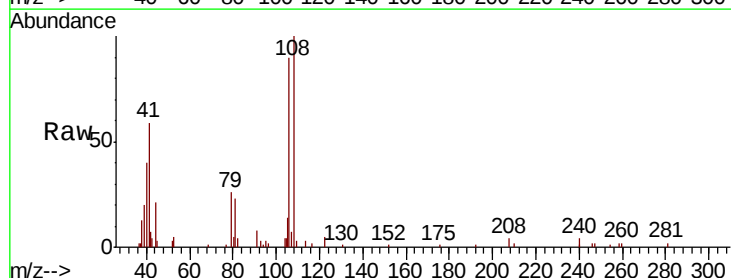
Tgt Ion: 108 Resp: 10039

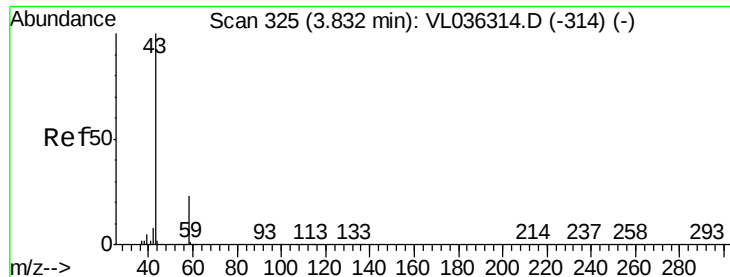
Ion Ratio Lower Upper

108 100

106 271.7 89.8 134.8#

79 72.2 17.1 25.7#

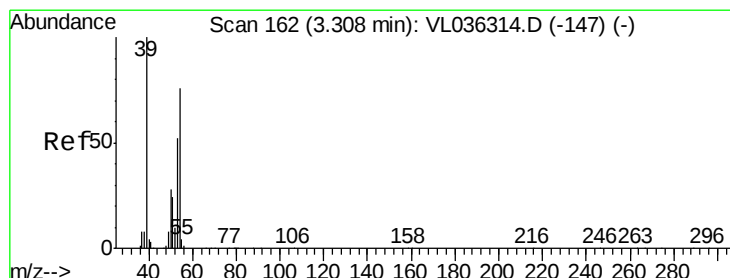
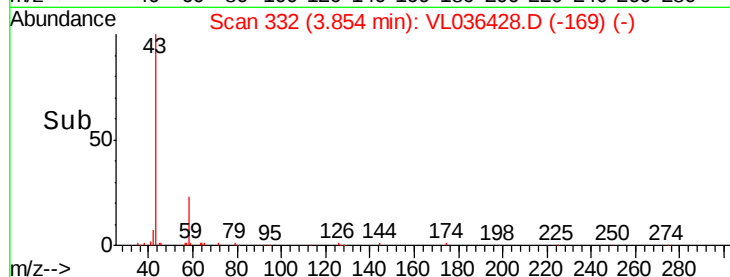
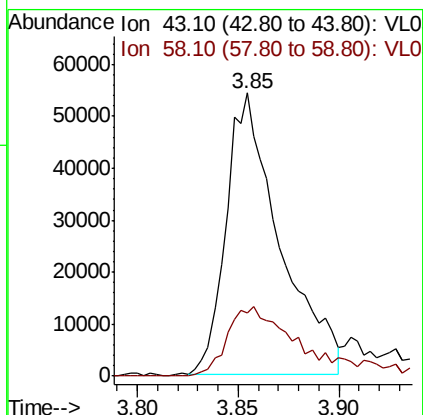
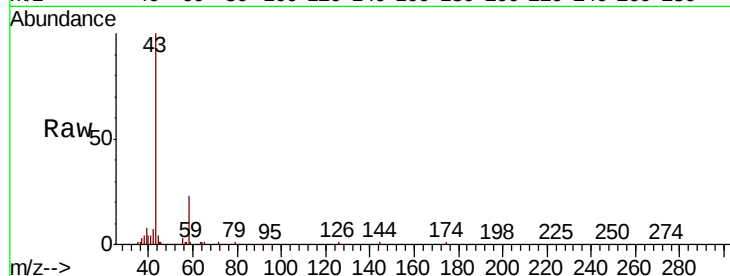




#15
Acetone
Concen: 0.517 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

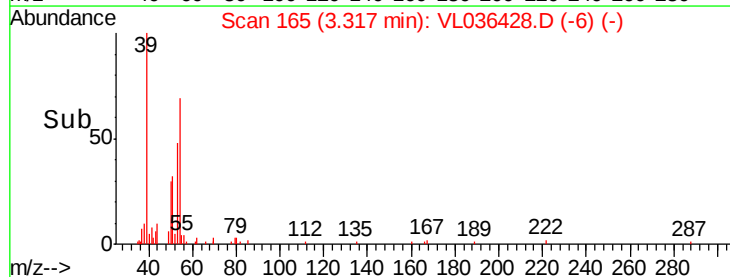
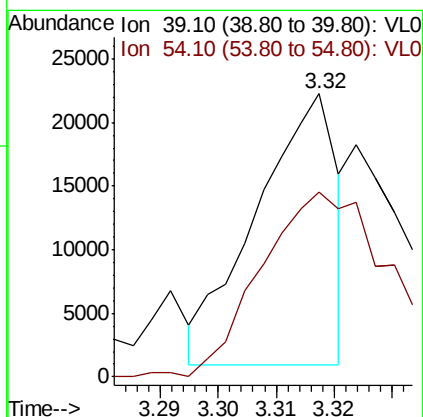
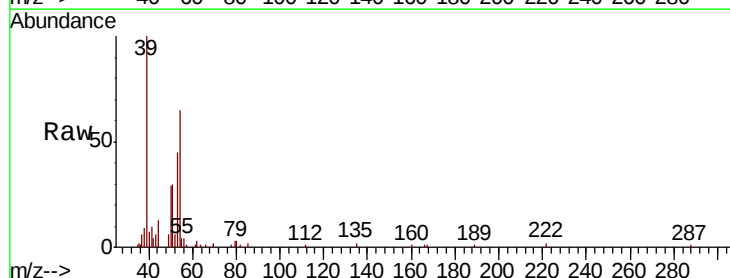
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

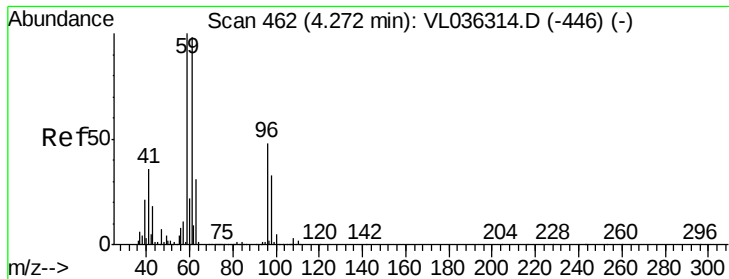
Tot Ion: 43 Resp: 101040
Ion Ratio Lower Upper
43 100
58 36.2 20.3 30.5#



#16
1,3-Butadiene
Concen: 0.221 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 39 Resp: 20665
Ion Ratio Lower Upper
39 100
54 132.2 64.4 96.6#

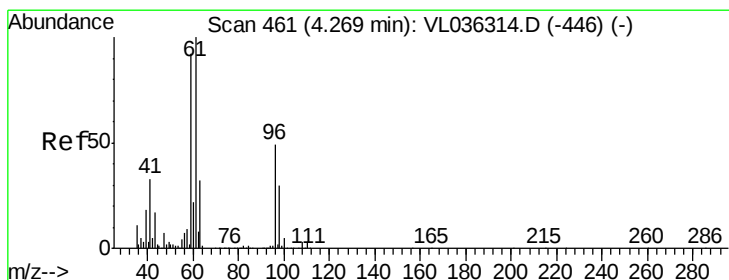
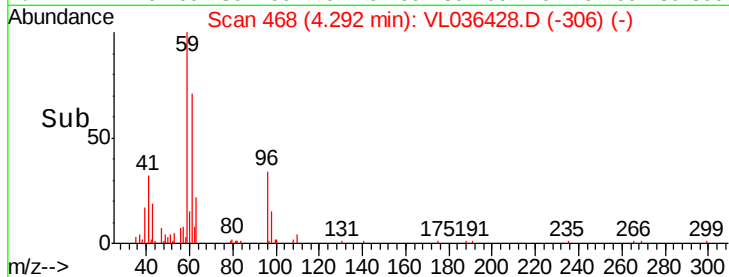
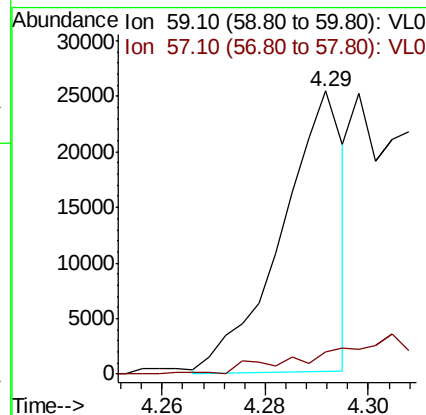
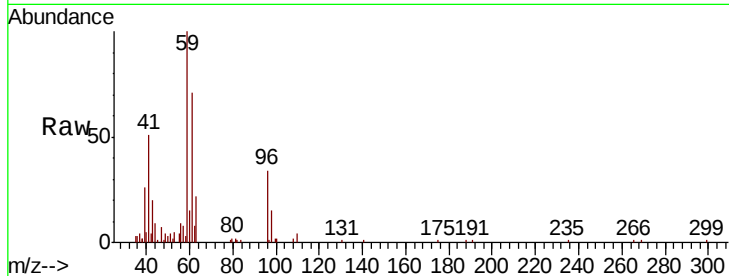




#17
tert-Butyl alcohol
Concen: 0.139 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

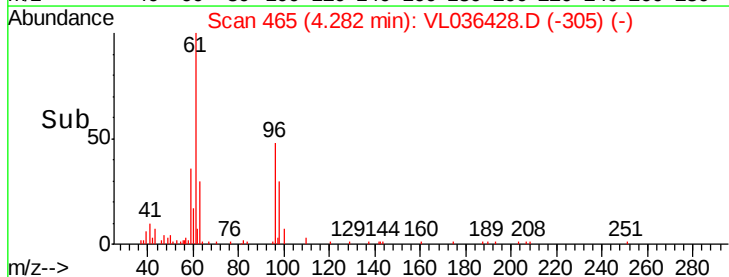
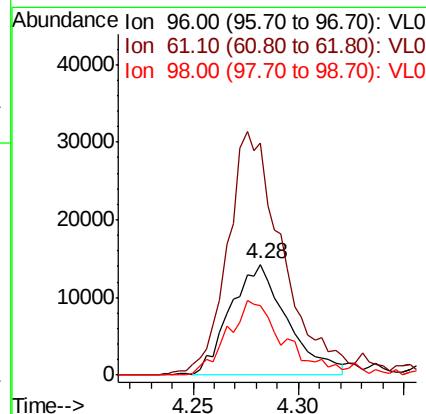
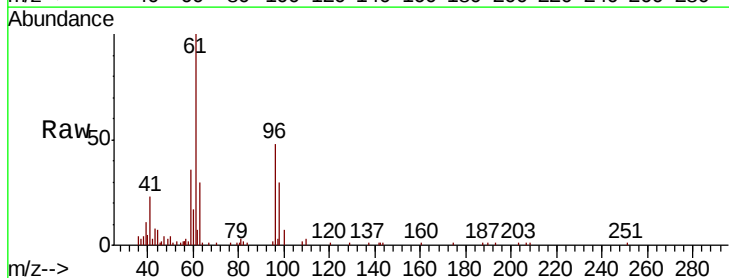
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

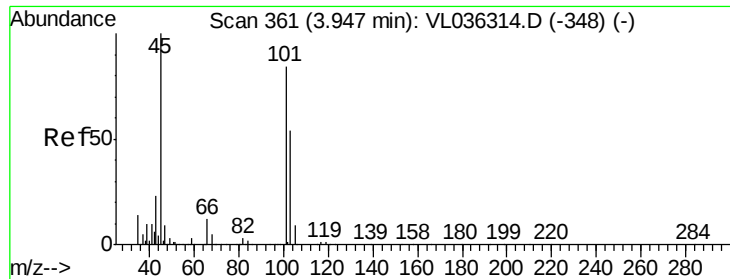
Tot Ion: 59 Resp: 21010
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#18
1,1-Dichloroethene
Concen: 0.408 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 96 Resp: 26788
Ion Ratio Lower Upper
96 100
61 200.6 162.5 243.7
98 61.2 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.290 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

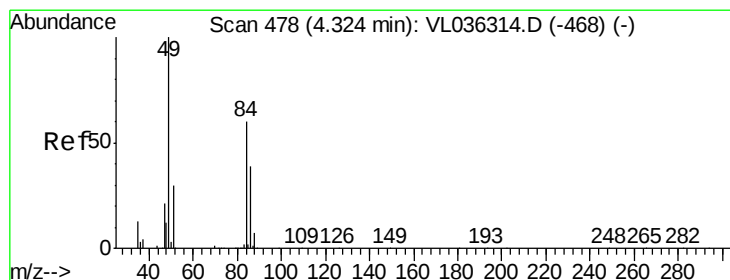
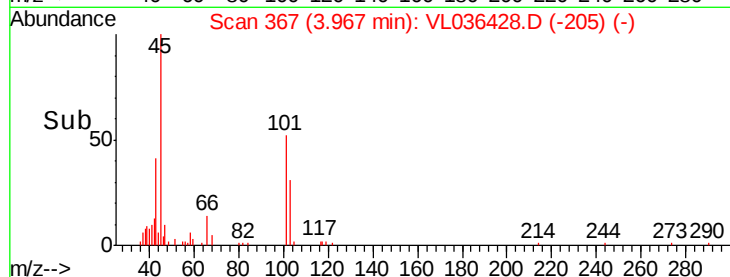
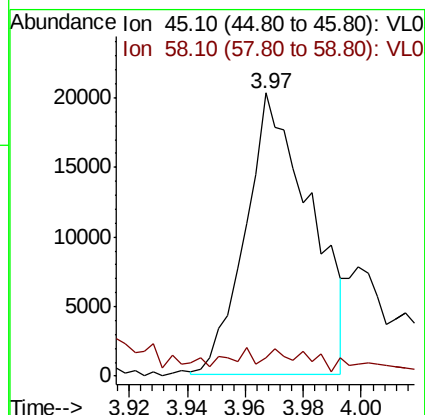
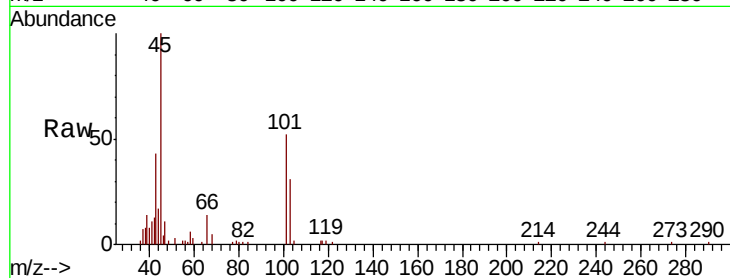
MDL-AIR-01-QT1-2021

Tot Ion: 45 Resp: 31339

Ion Ratio Lower Upper

45 100

58 14.5 1.9 2.9#



#20

Methylene Chloride

Concen: 0.428 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Tgt Ion: 84 Resp: 26961

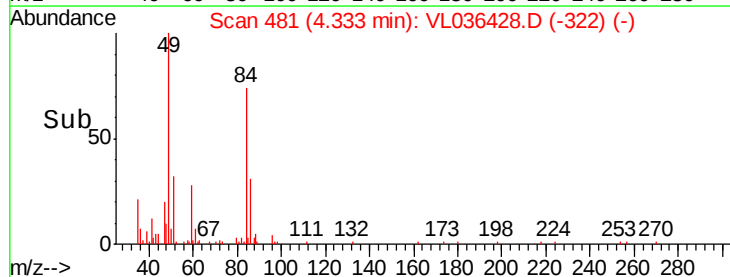
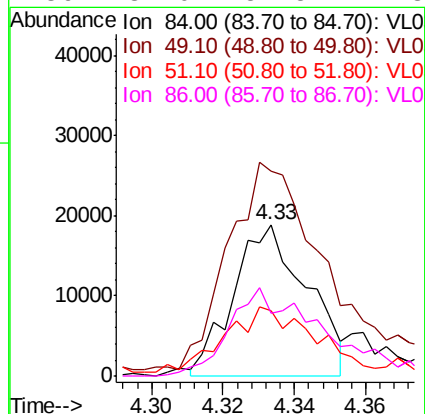
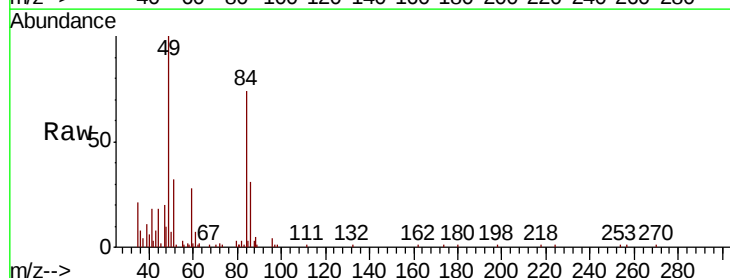
Ion Ratio Lower Upper

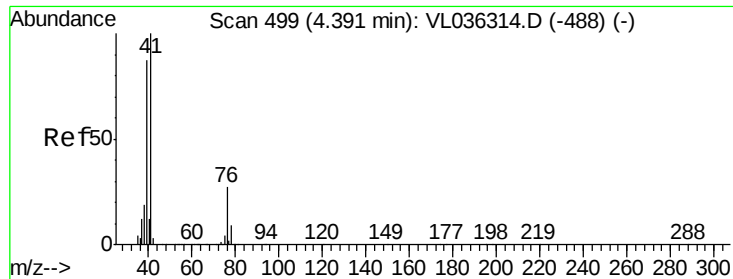
84 100

49 119.4 133.8 200.8#

51 33.7 41.4 62.0#

86 37.0 51.5 77.3#

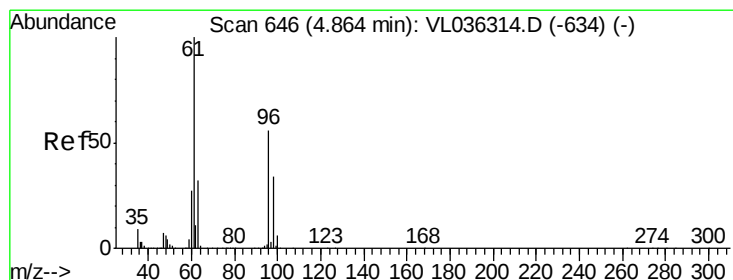
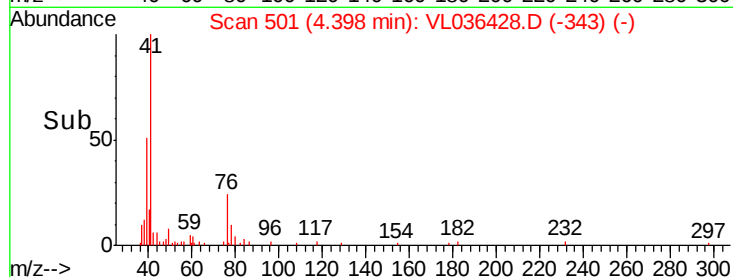
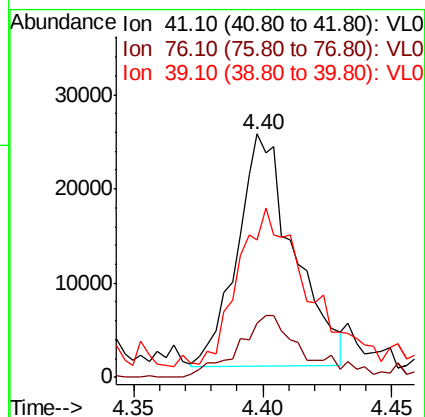
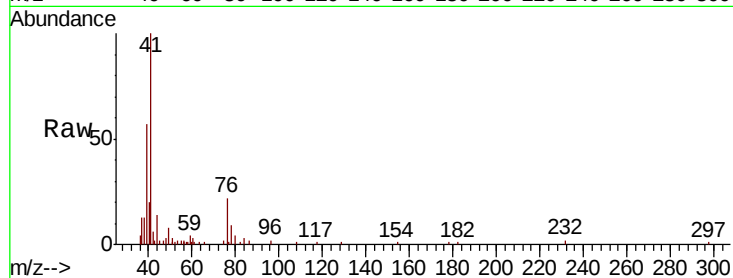




#21
Allvl Chloride
Concen: 0.347 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

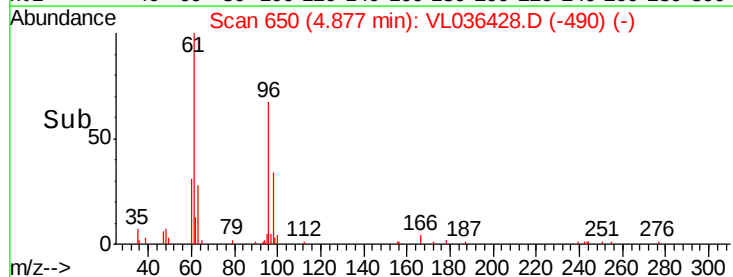
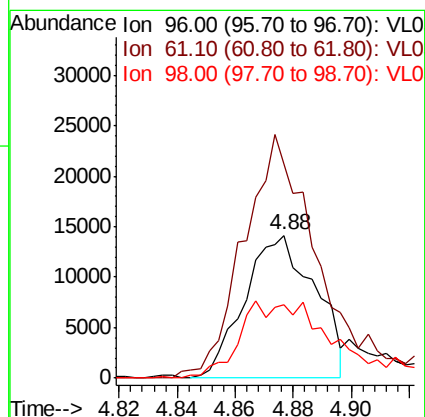
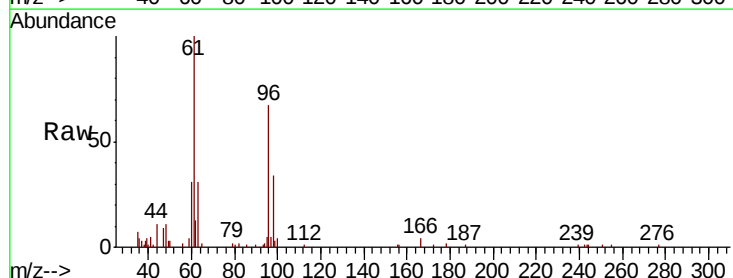
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

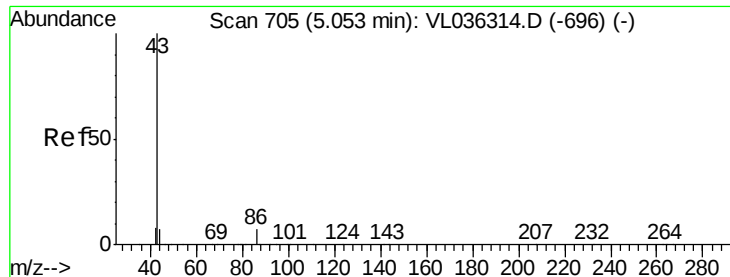
Tot Ion: 41 Resp: 37744
Ion Ratio Lower Upper
41 100
76 32.9 22.0 33.0
39 103.5 70.2 105.2



#22
trans-1,2-Dichloroethene
Concen: 0.398 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 96 Resp: 23766
Ion Ratio Lower Upper
96 100
61 144.8 143.7 215.5
98 49.1 48.5 72.7

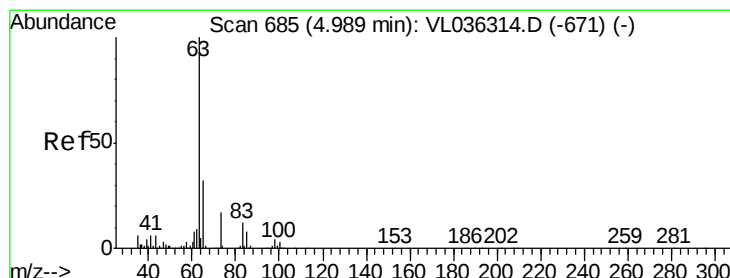
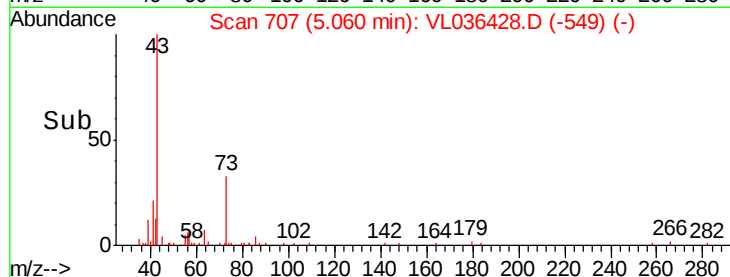
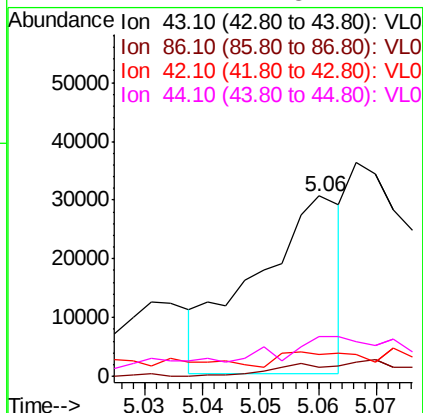
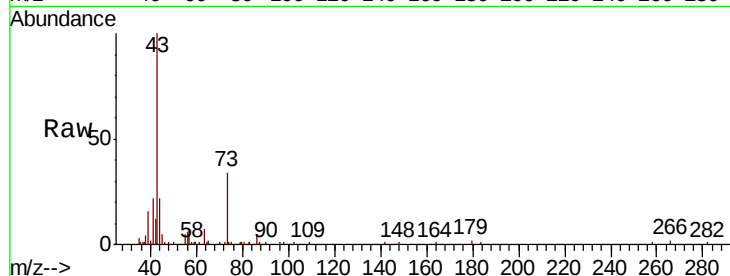




#23
 Vinyl Acetate
 Concen: 0.136 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

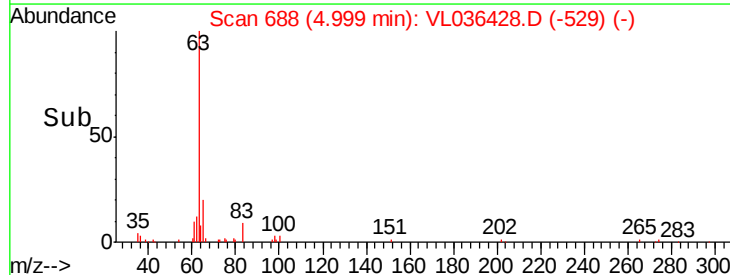
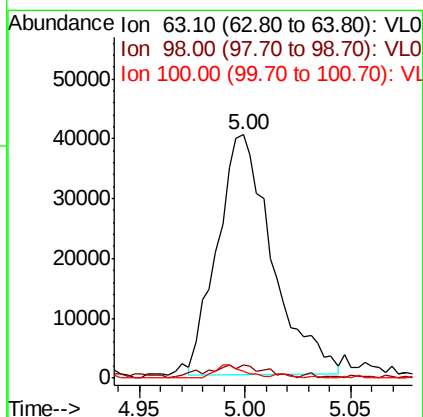
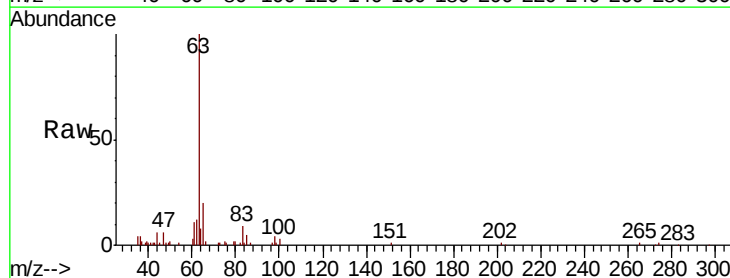
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

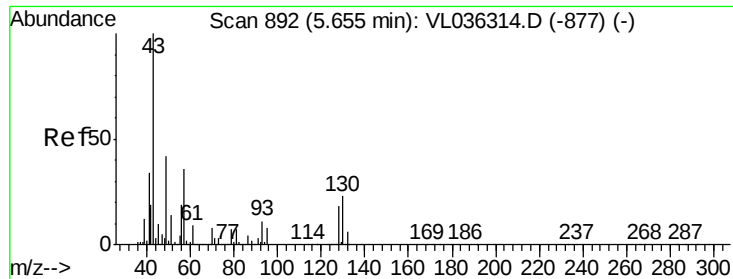
Tot Ion:	43	Resp:	31311
Ion	Ratio	Lower	Upper
43	100		
86	7.4	4.8	7.2#
42	7.4	7.4	11.0
44	21.2	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.426 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion:	63	Resp:	72328
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.0	6.0
100	2.8	1.5	4.4

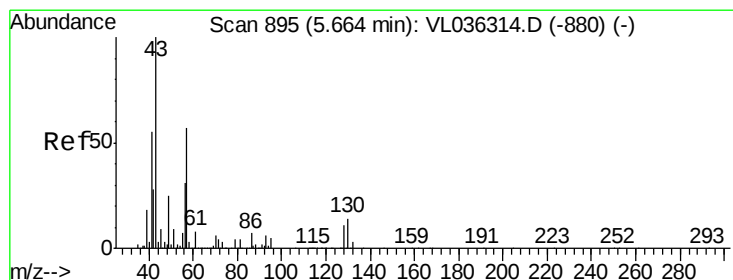
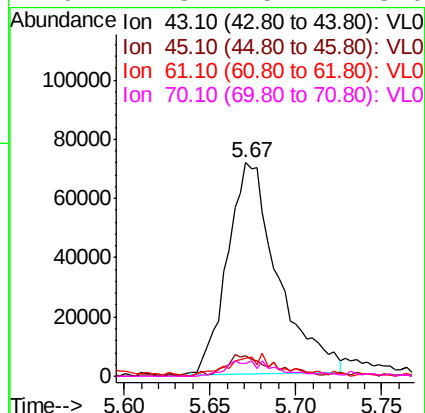
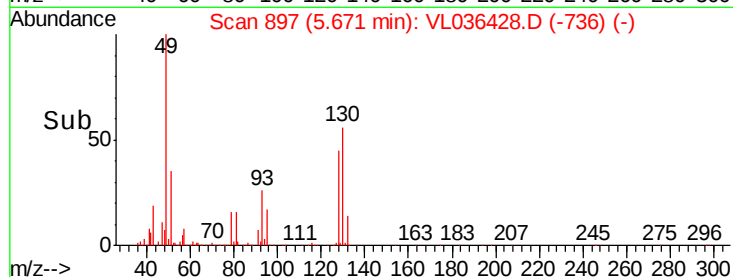
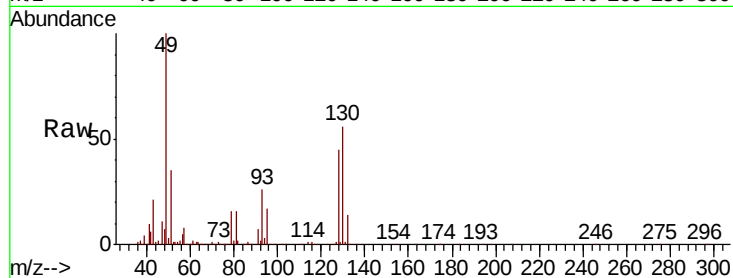




#25
Ethyl Acetate
Concen: 0.385 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

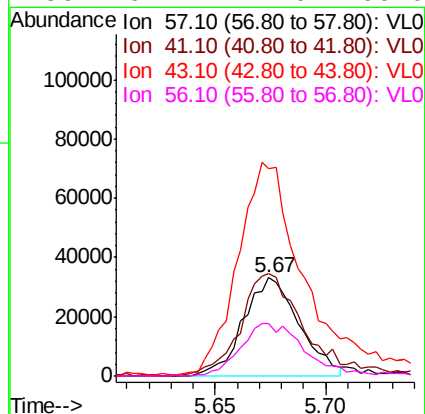
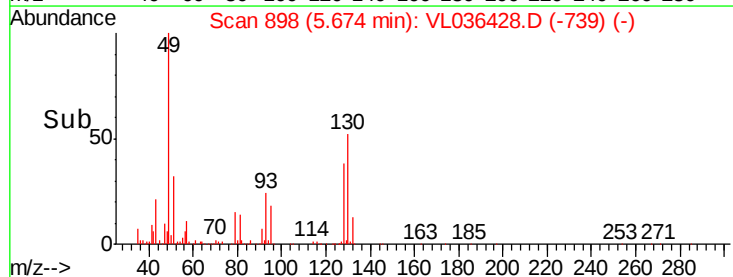
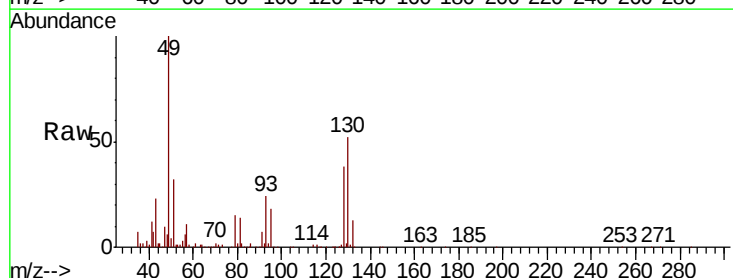
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

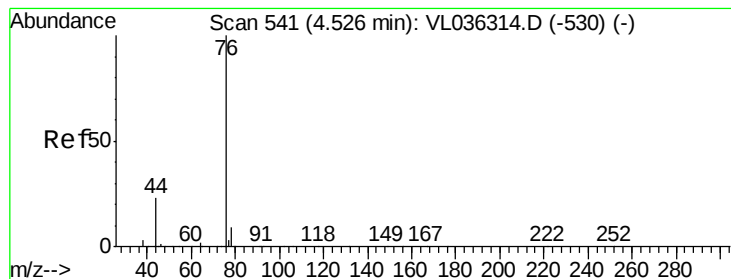
Tot Ion:	43	Resp:	145026
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.3	12.5
61	10.9	7.3	10.9
70	7.5	5.4	8.0



#26
Hexane
Concen: 0.375 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion:	57	Resp:	58063
Ion	Ratio	Lower	Upper
57	100		
41	125.8	81.7	122.5#
43	291.0	199.1	298.7
56	62.7	44.0	66.0





#27

Carbon Disulfide

Concen: 0.309 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

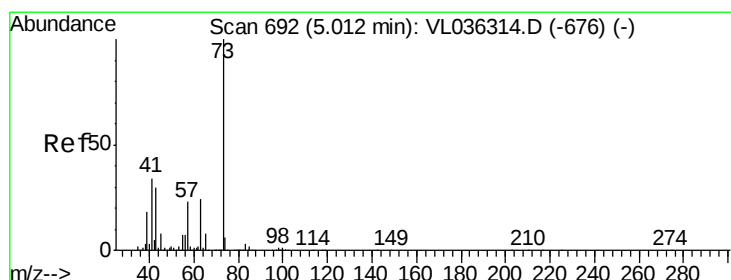
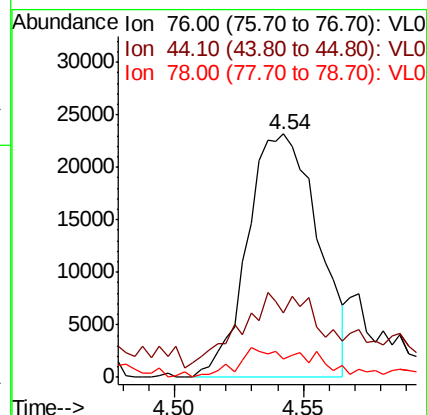
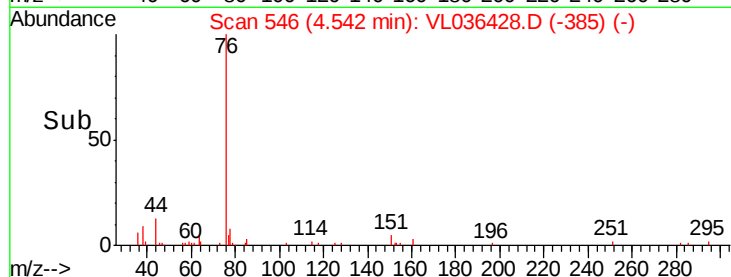
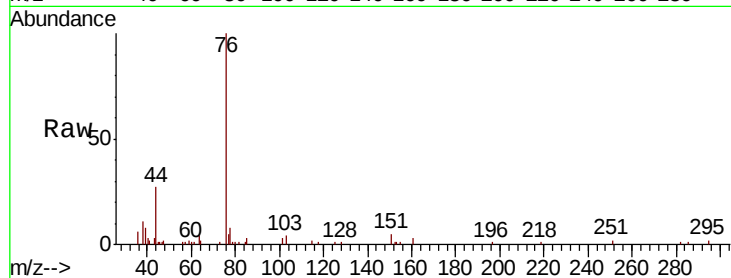
Tot Ion: 76 Resp: 43998

Ion Ratio Lower Upper

76 100

44 40.1 18.4 27.6#

78 14.5 8.0 12.0#



#28

Methyl tert-Butyl Ether

Concen: 0.358 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.02 min

Lab File: VL036428.D

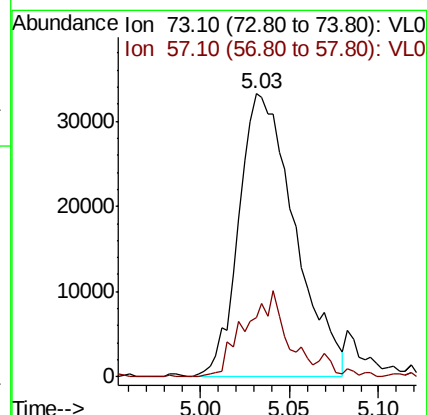
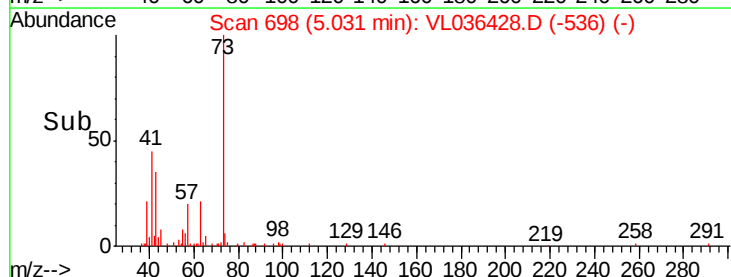
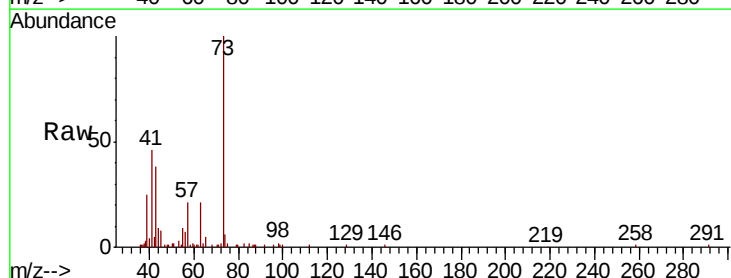
Acq: 2 Mar 2021 14:13

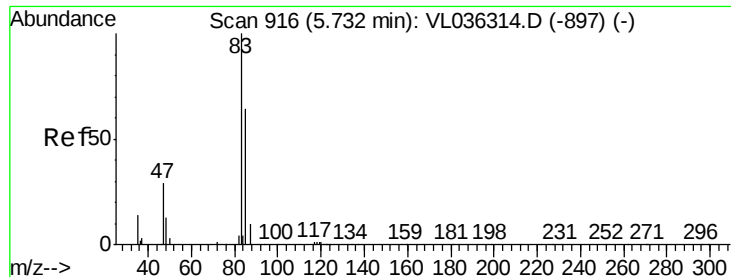
Tgt Ion: 73 Resp: 72458

Ion Ratio Lower Upper

73 100

57 25.6 19.2 28.8





#29

Chloroform

Concen: 0.454 ppbv

RT: 5.74 min Scan# 918

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

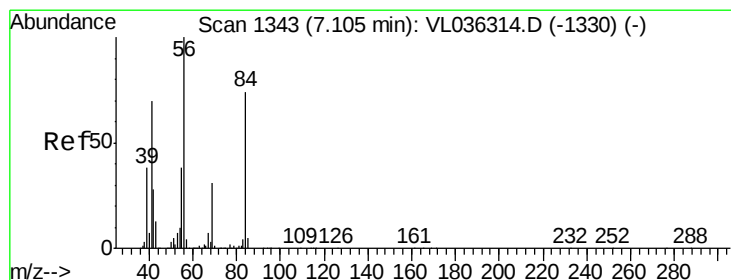
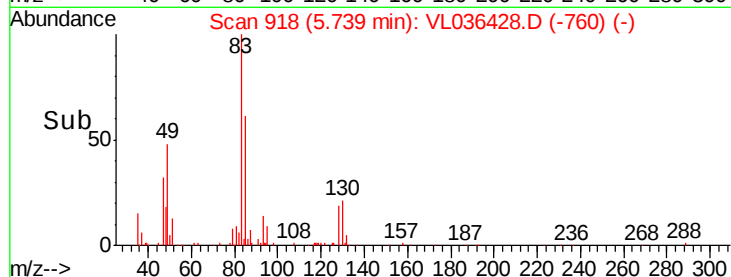
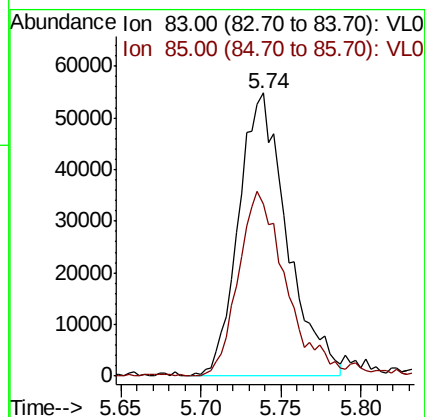
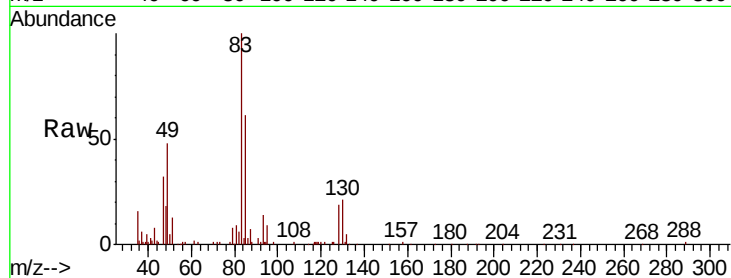
MDL-AIR-01-QT1-2021

Tot Ion: 83 Resp: 113379

Ion Ratio Lower Upper

83 100

85 60.8 51.4 77.2



#30

Cyclohexane

Concen: 0.203 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

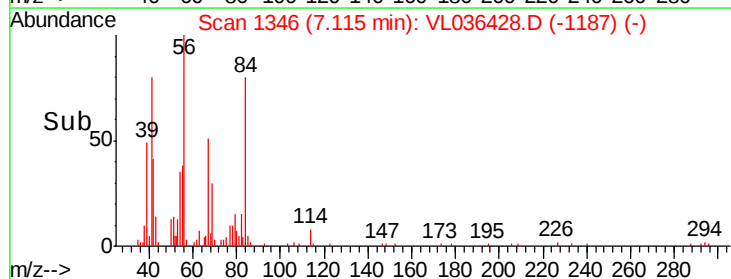
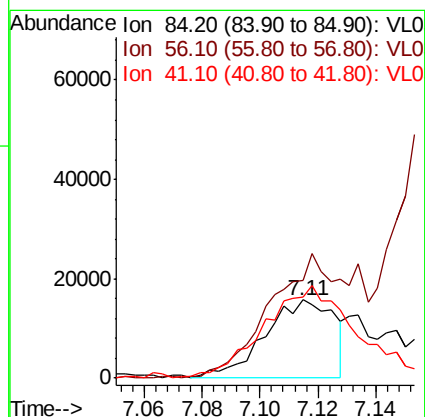
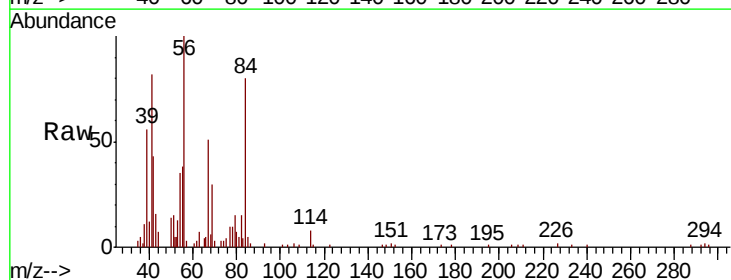
Tgt Ion: 84 Resp: 26167

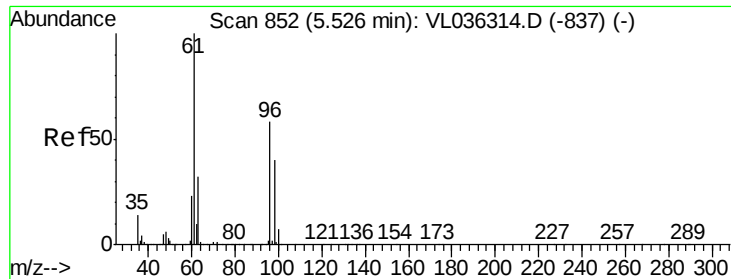
Ion Ratio Lower Upper

84 100

56 192.7 120.2 180.4#

41 169.5 79.7 119.5#



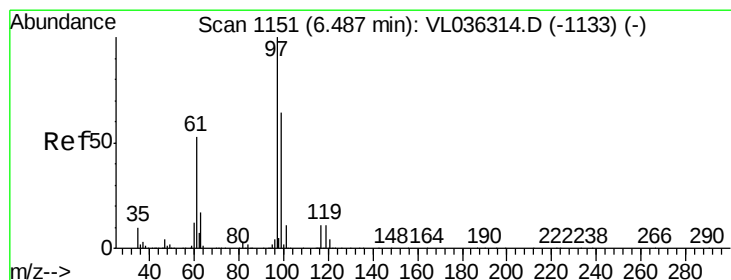
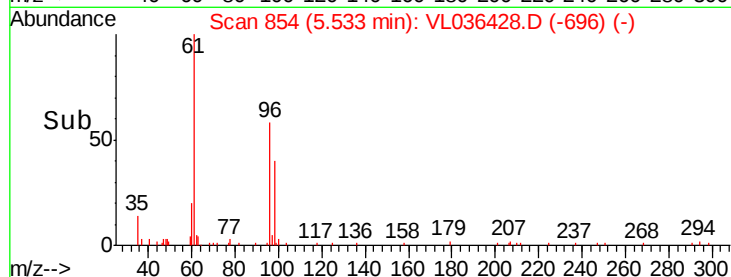
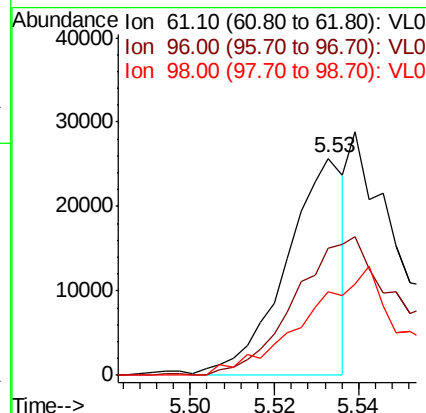
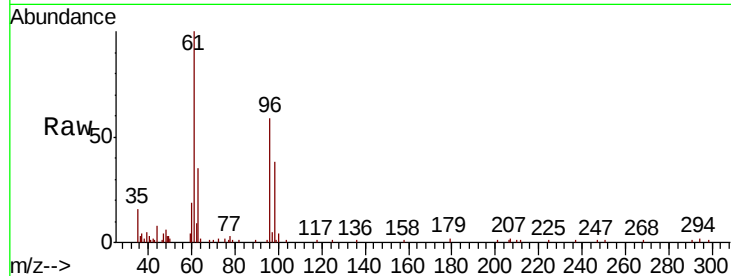


#31

cis-1,2-Dichloroethene
Concen: 0.161 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

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

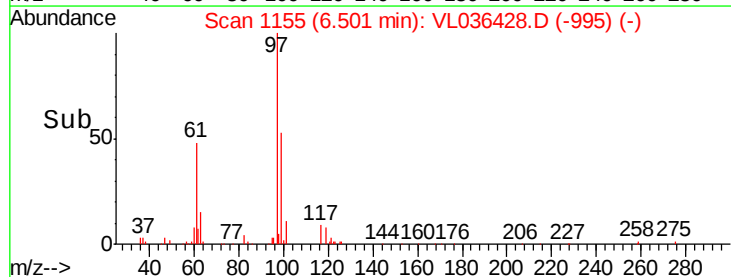
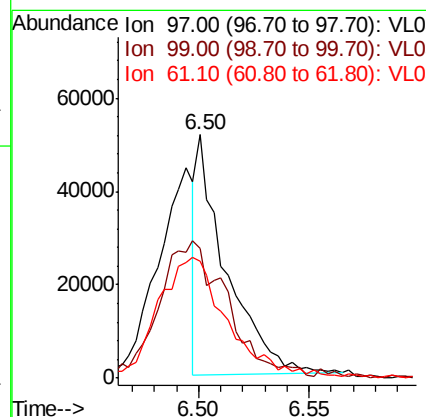
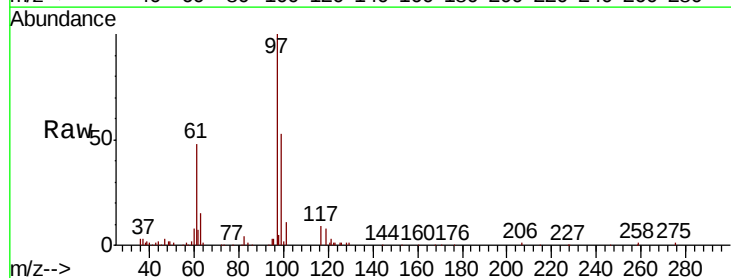
Tot Ion: 61 Resp: 24743
Ion Ratio Lower Upper
61 100
96 58.7 46.0 69.0
98 39.0 31.9 47.9

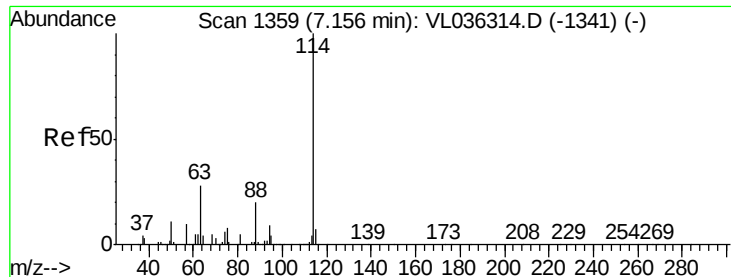


#32

1,1,1-Trichloroethane
Concen: 0.203 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 97 Resp: 47334
Ion Ratio Lower Upper
97 100
99 137.4 52.2 78.4#
61 122.8 43.3 64.9#

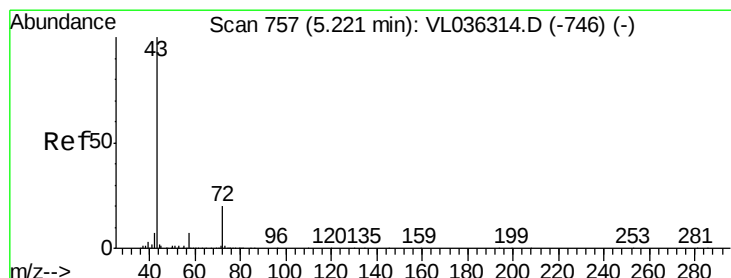
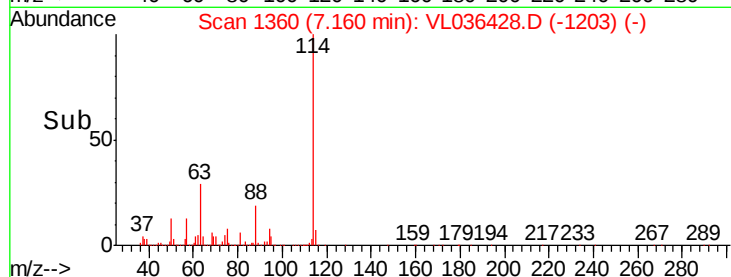
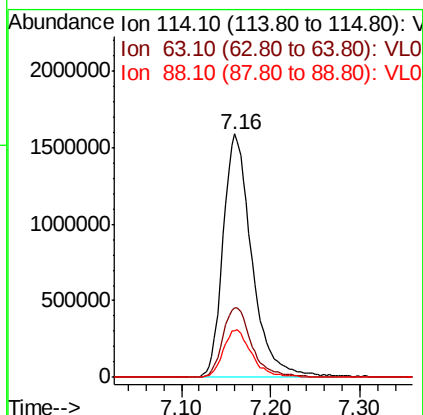
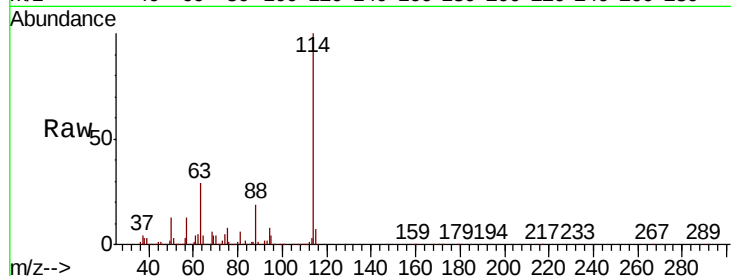




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

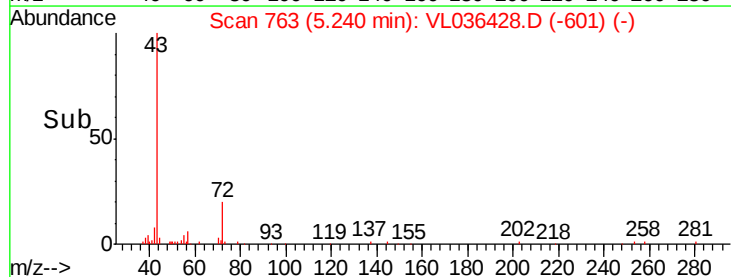
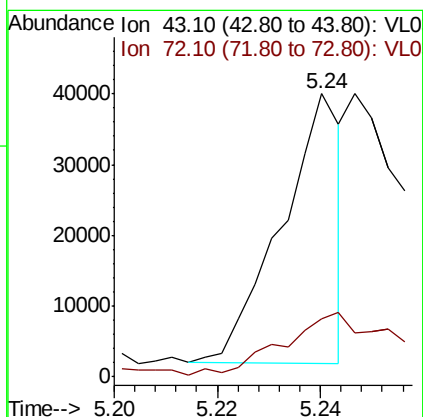
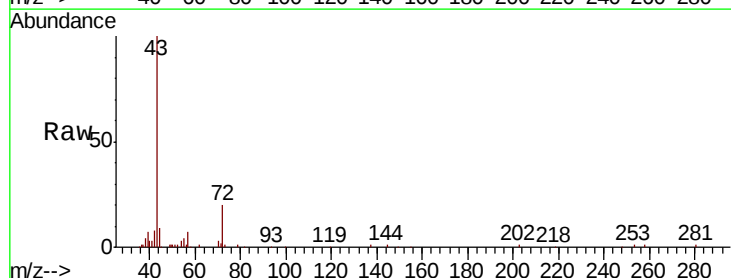
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

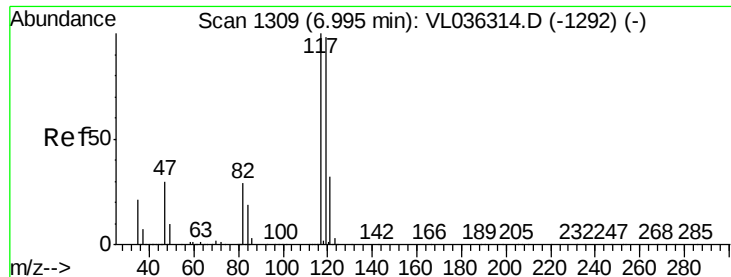
Tot Ion:114 Resp: 3559777
 Ion Ratio Lower Upper
 114 100
 63 29.3 24.1 36.1
 88 19.6 16.0 24.0



#34
 2-Butanone
 Concen: 0.129 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion: 43 Resp: 30628
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.7 25.1#





#35

Carbon Tetrachloride

Concen: 0.387 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

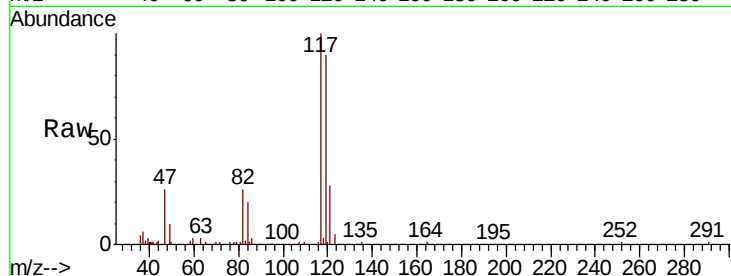
Tot Ion:117 Resp: 92302

Ion Ratio Lower Upper

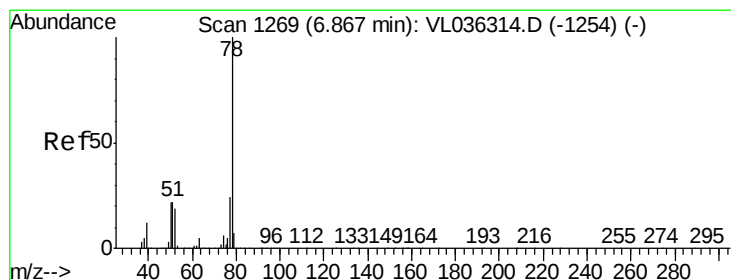
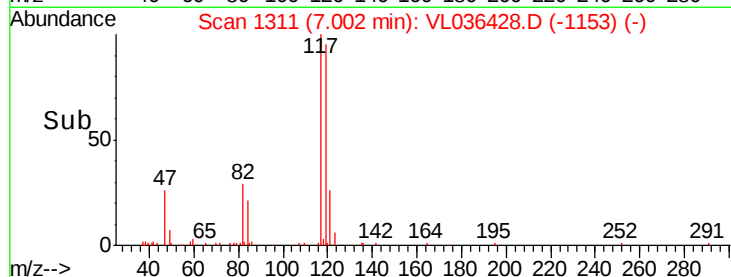
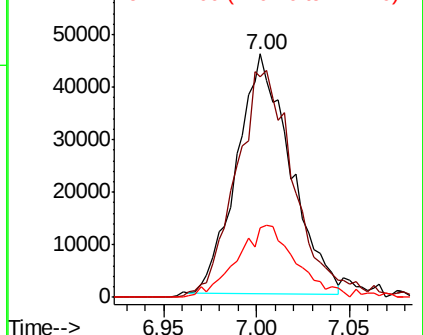
117 100

119 89.4 78.1 117.1

121 28.2 25.8 38.8



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: 0.368 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

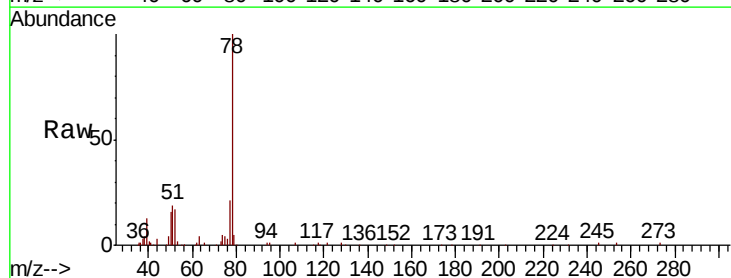
Tgt Ion: 78 Resp: 111340

Ion Ratio Lower Upper

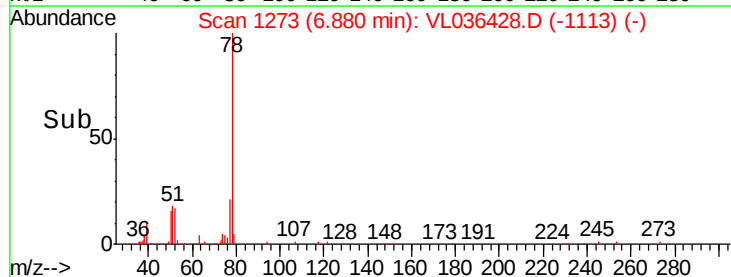
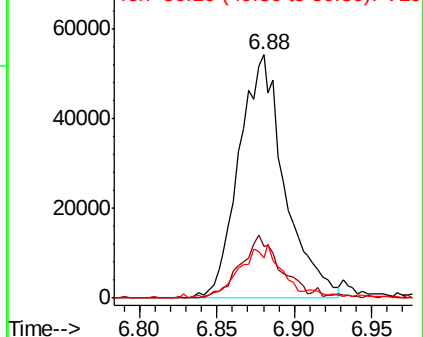
78 100

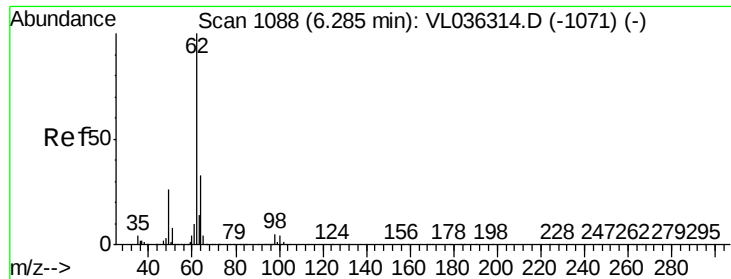
77 21.0 18.9 28.3

50 16.1 17.3 25.9#



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

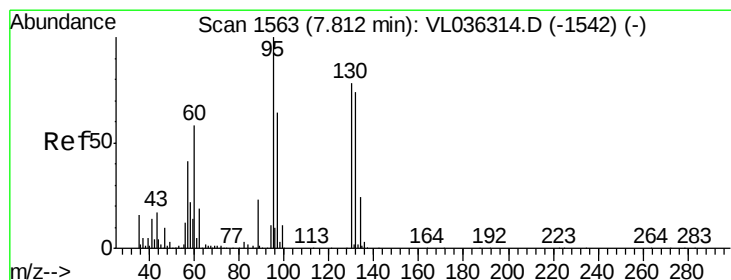
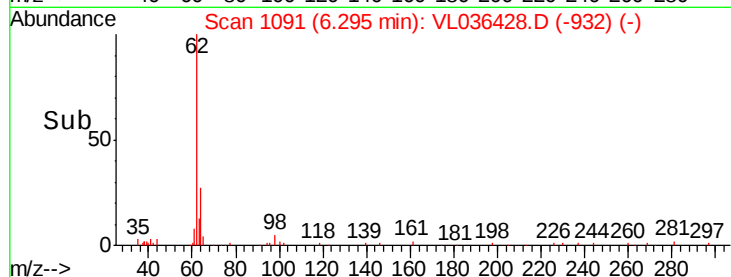
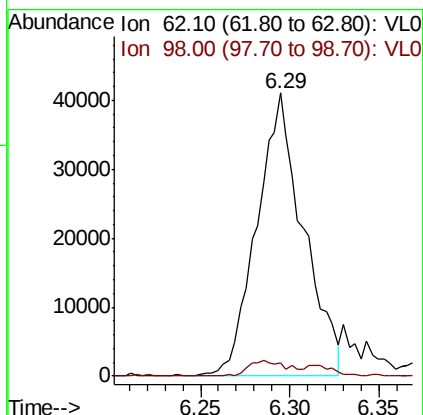
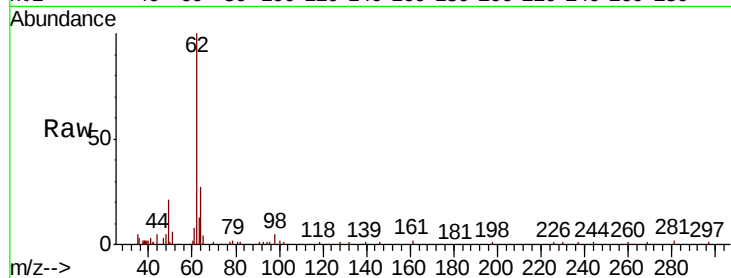




#37
 1,2-Dichloroethane
 Concen: 0.399 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

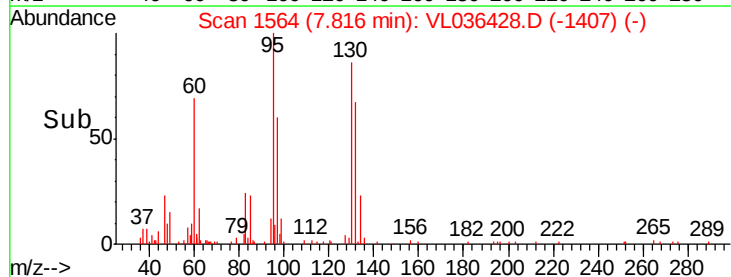
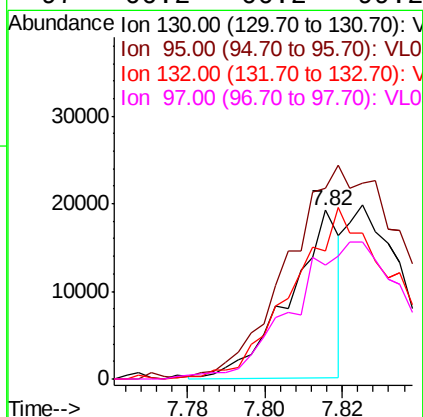
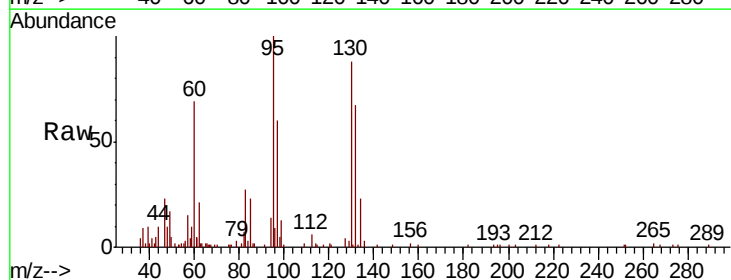
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

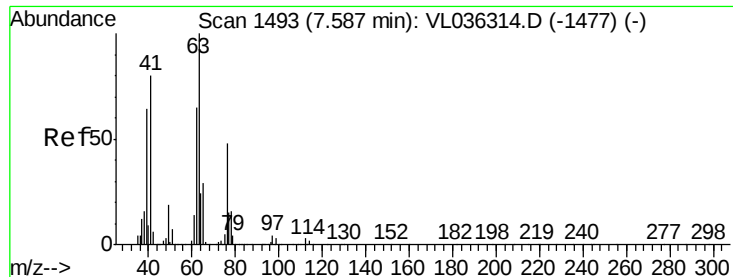
Tot Ion: 62 Resp: 74606
 Ion Ratio Lower Upper
 62 100
 98 7.1 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.160 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion:130 Resp: 17337
 Ion Ratio Lower Upper
 130 100
 95 113.6 102.8 154.2
 132 75.3 75.7 113.5#
 97 66.2 66.2 99.2

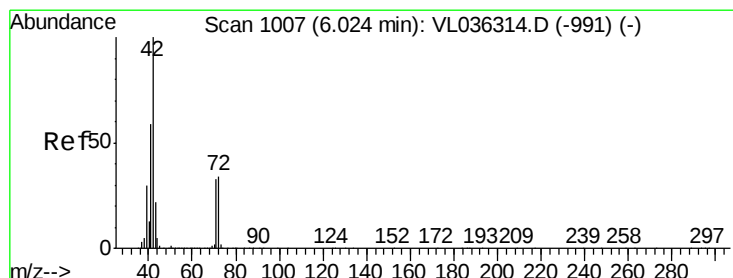
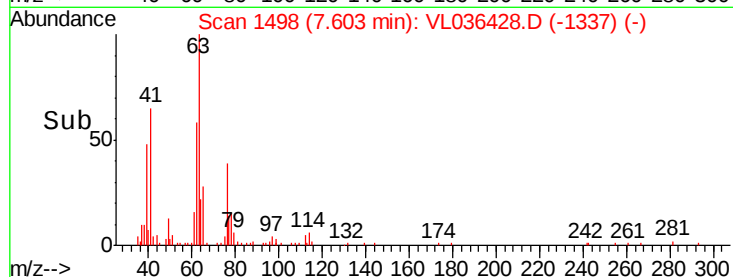
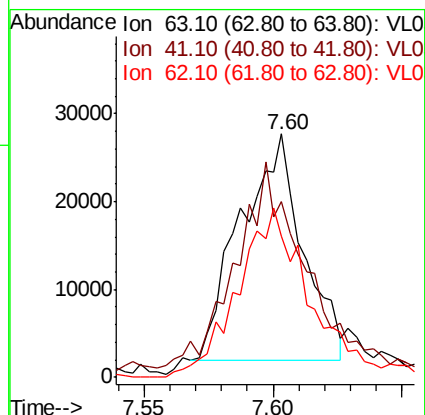
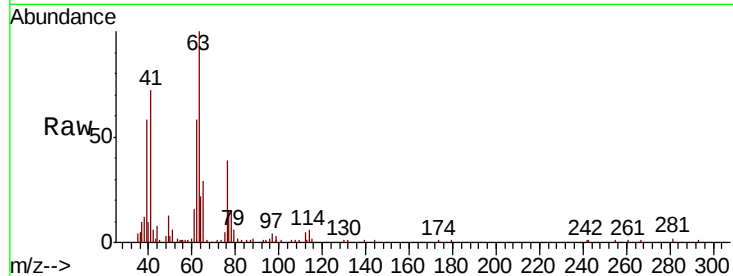




#39
 1,2-Dichloropropane
 Concen: 0.352 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

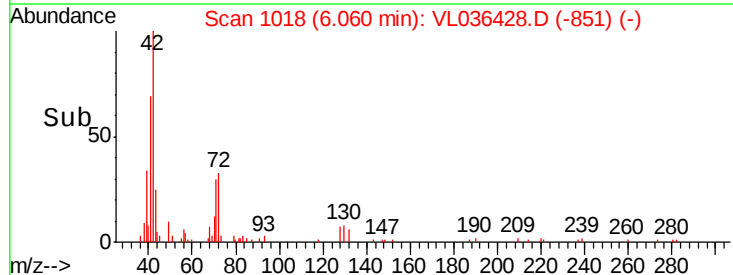
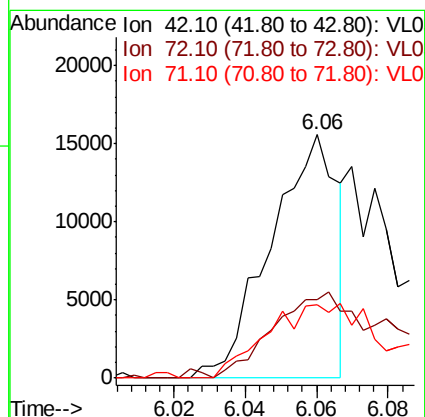
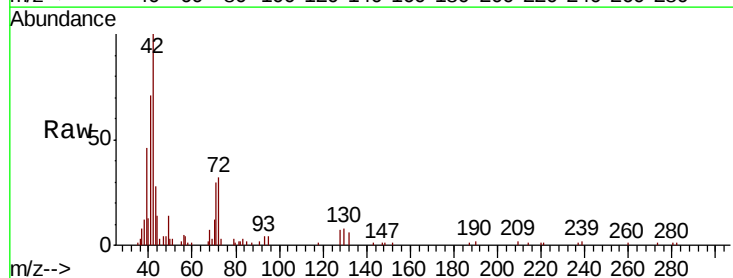
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

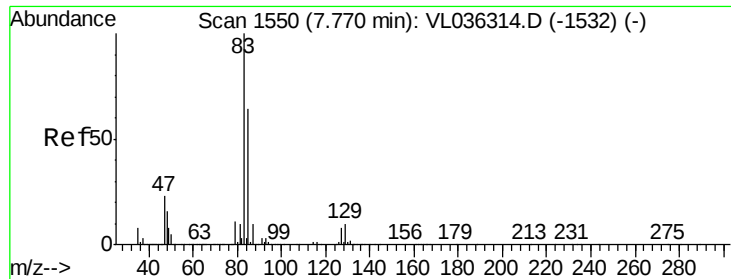
Tot Ion	Ratio	Lower	Upper
63	100		
41	61.8	63.8	95.6#
62	56.9	52.3	78.5



#41
 Tetrahydrofuran
 Concen: 0.153 ppbv
 RT: 6.06 min Scan# 1018
 Delta R.T. 0.04 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.3	43.9#
71	0.0	27.8	41.8#





#42

Bromodichloromethane

Concen: 0.176 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

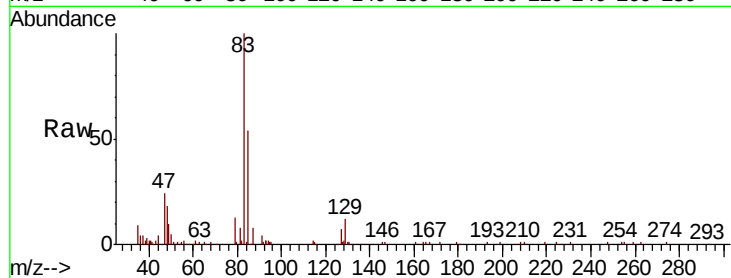
Tot Ion: 83 Resp: 43985

Ion Ratio Lower Upper

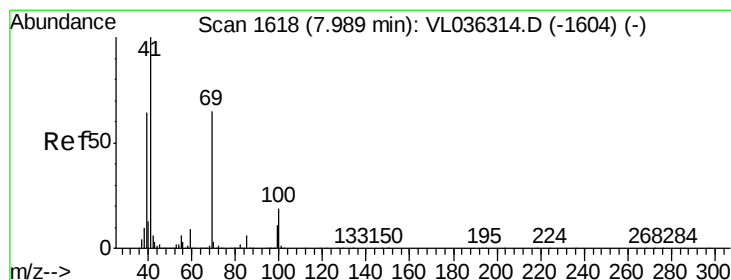
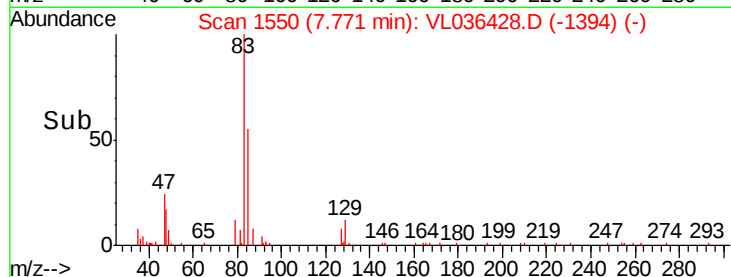
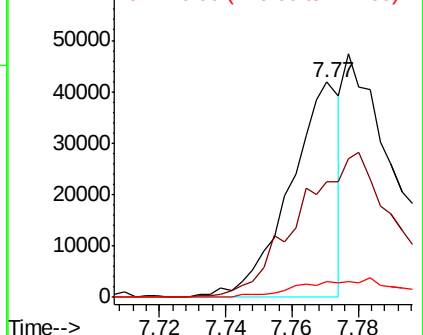
83 100

85 53.4 51.1 76.7

127 7.4 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: 0.251 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

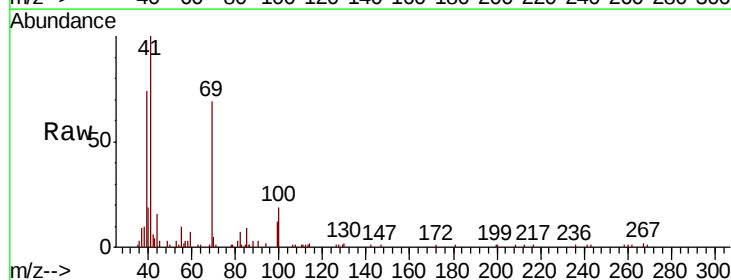
Tgt Ion: 69 Resp: 32014

Ion Ratio Lower Upper

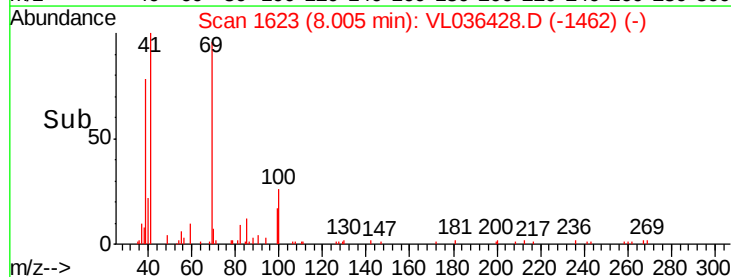
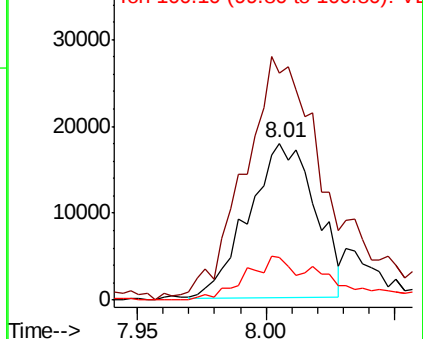
69 100

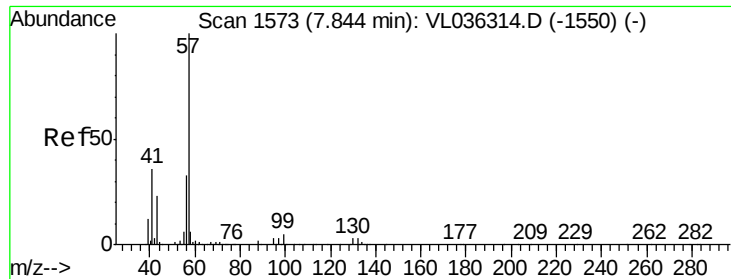
41 201.7 126.5 189.7#

100 36.7 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: 0.202 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

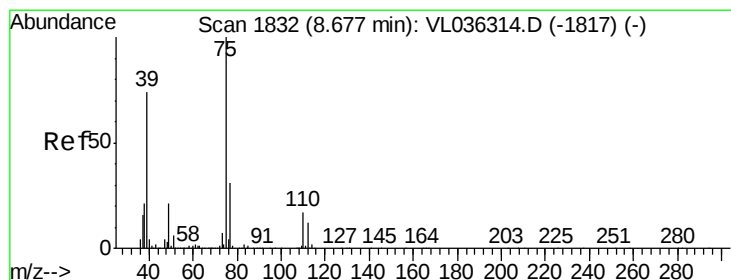
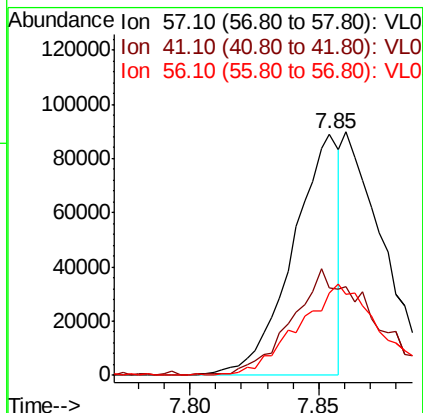
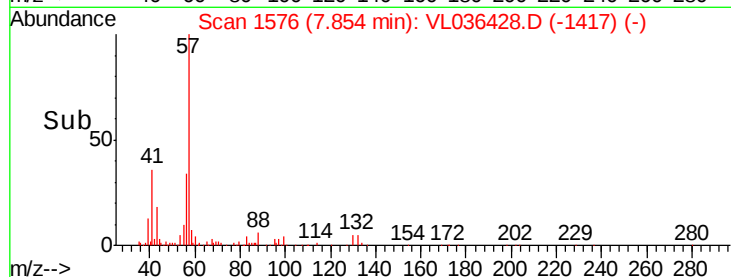
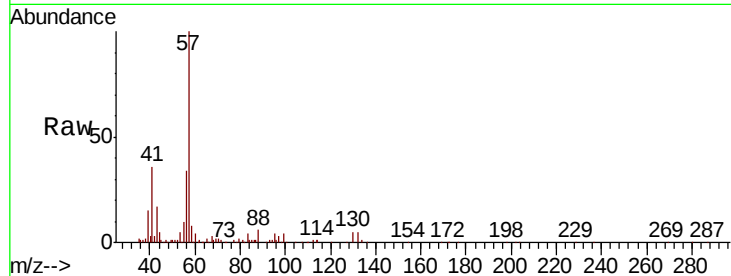
Tot Ion: 57 Resp: 111191

Ion Ratio Lower Upper

57 100

41 80.4 28.8 43.2#

56 0.0 25.8 38.6#



#46

cis-1,3-Dichloropropene

Concen: 0.279 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

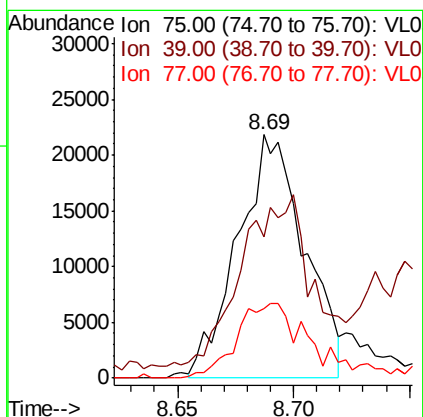
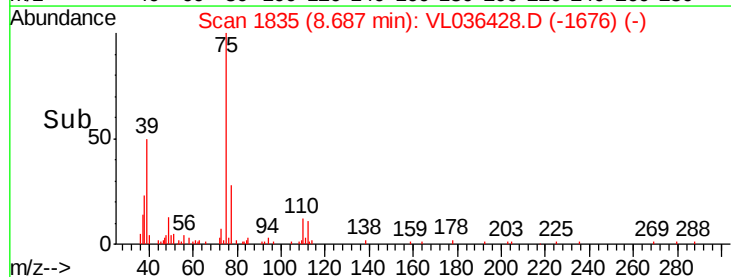
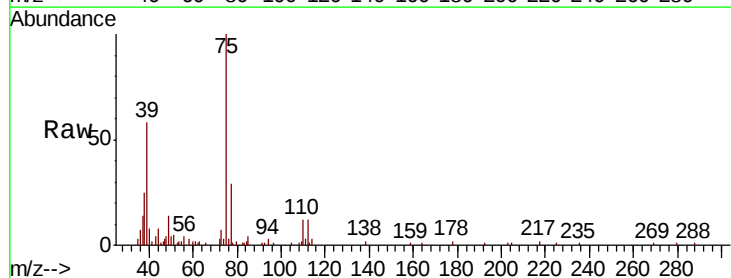
Tgt Ion: 75 Resp: 43598

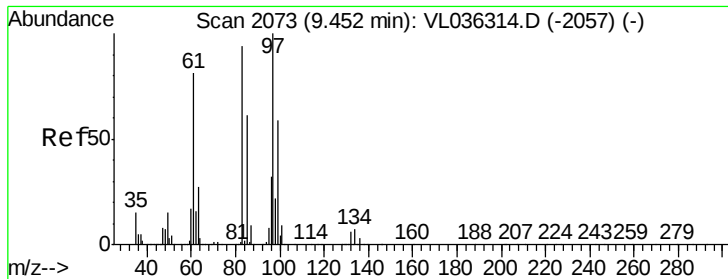
Ion Ratio Lower Upper

75 100

39 52.7 59.2 88.8#

77 28.4 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 0.207 ppbv

RT: 9.46 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

Tot Ion: 97 Resp: 25993

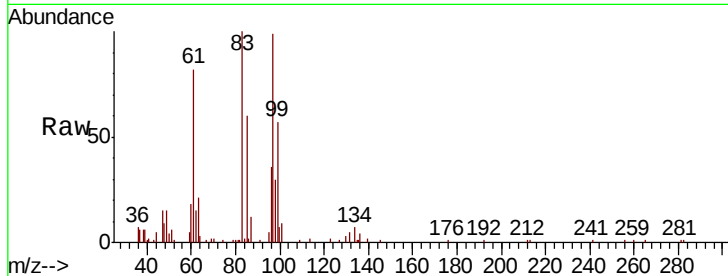
Ion Ratio Lower Upper

97 100

83 100.7 75.4 113.0

85 60.1 48.9 73.3

99 57.7 46.9 70.3

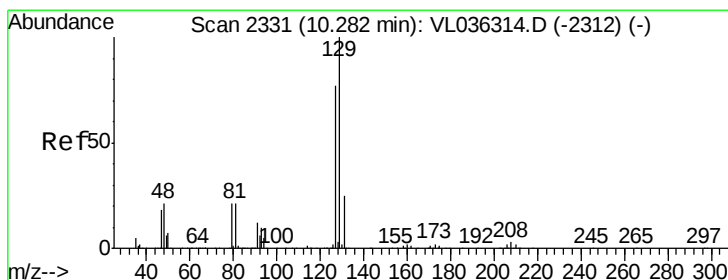
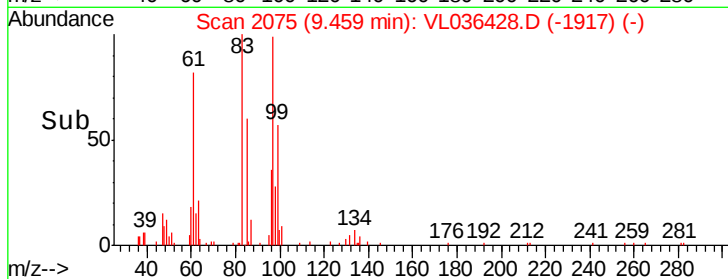
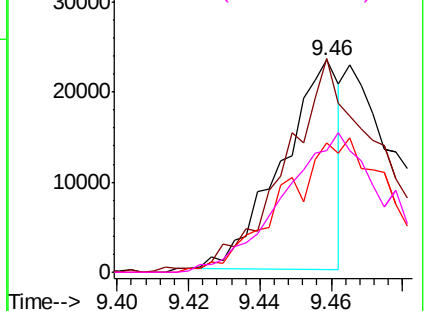


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.160 ppbv

RT: 10.29 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VL036428.D

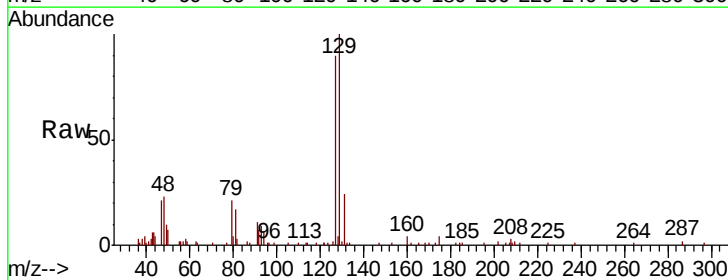
Acq: 2 Mar 2021 14:13

Tgt Ion: 129 Resp: 29922

Ion Ratio Lower Upper

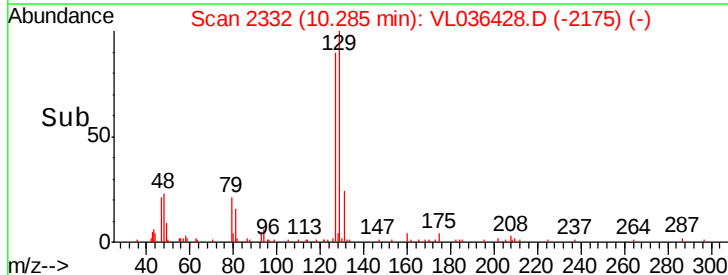
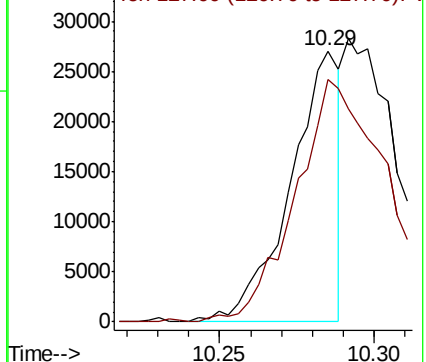
129 100

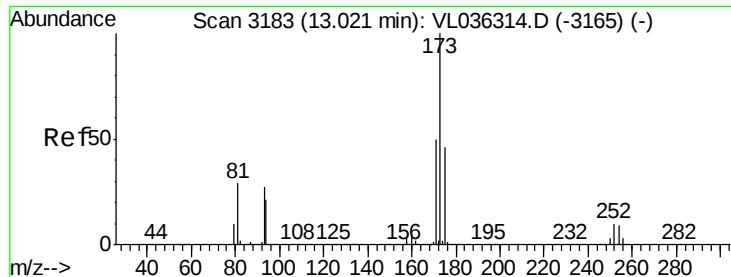
127 179.2 39.1 117.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.329 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

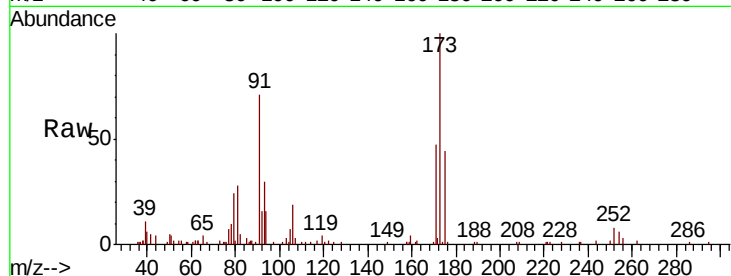
Tot Ion:173 Resp: 49851

Ion Ratio Lower Upper

173 100

175 54.6 40.2 60.2

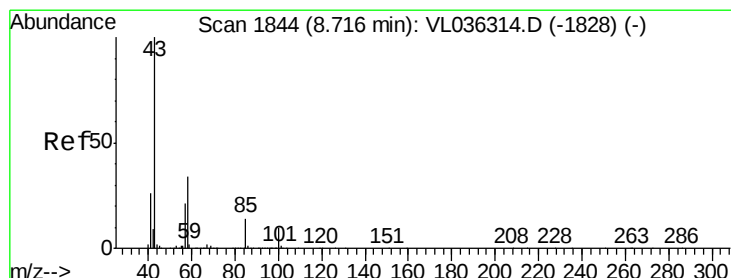
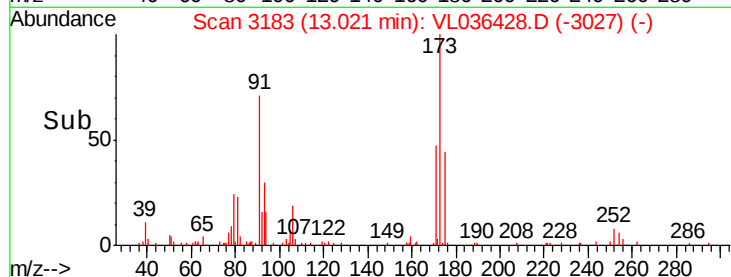
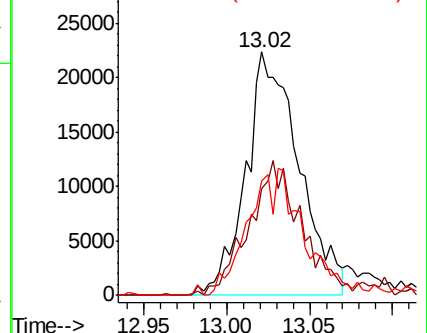
171 55.0 43.4 65.2



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: 0.295 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.03 min

Lab File: VL036428.D

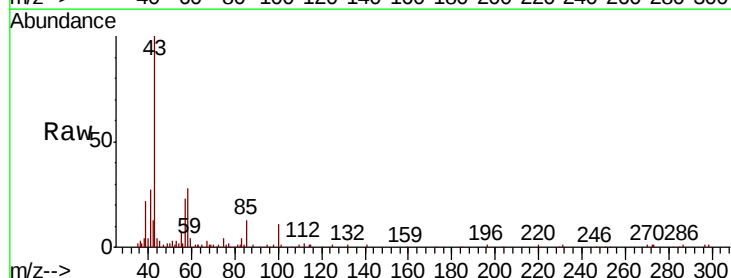
Acq: 2 Mar 2021 14:13

Tgt Ion: 43 Resp: 103523

Ion Ratio Lower Upper

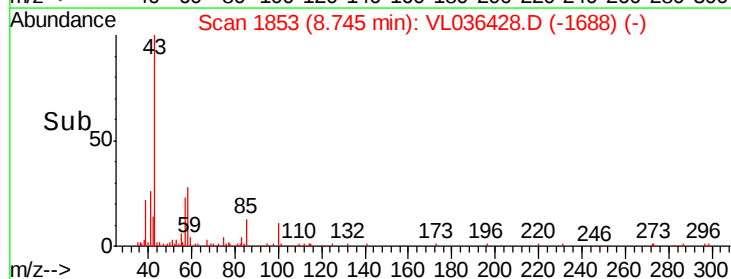
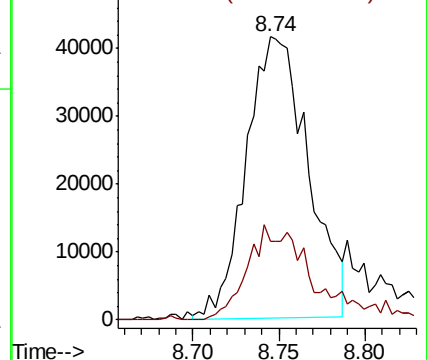
43 100

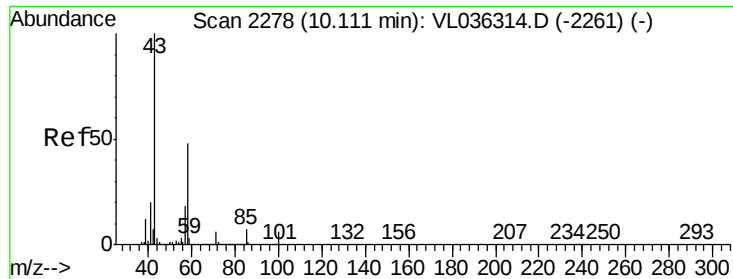
58 36.8 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

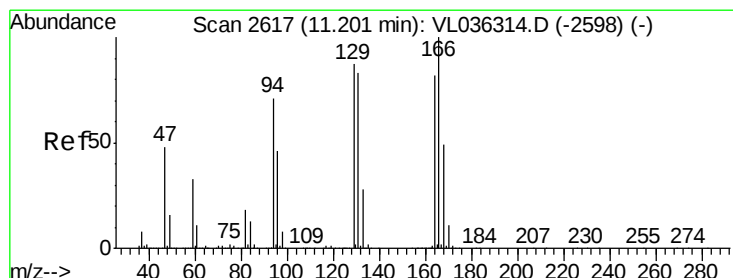
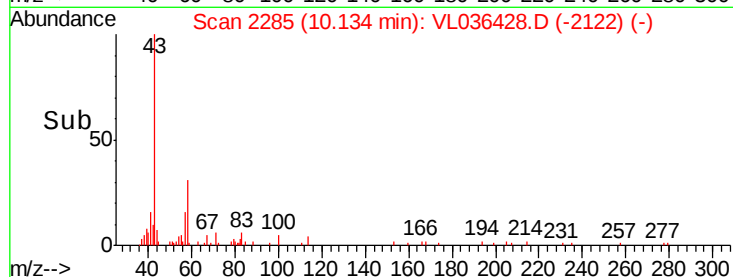
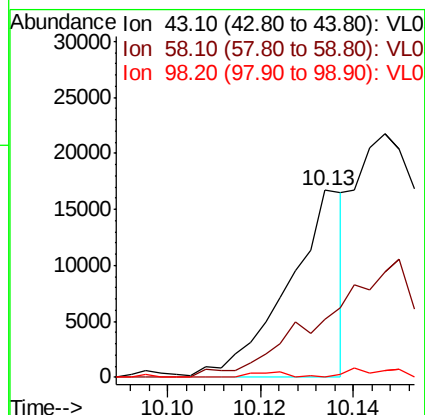
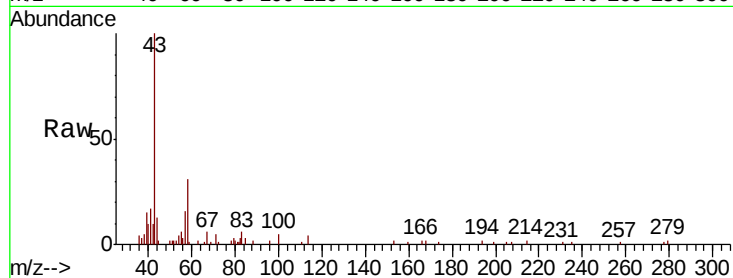




#51
2-Hexanone
Concen: 0.052 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

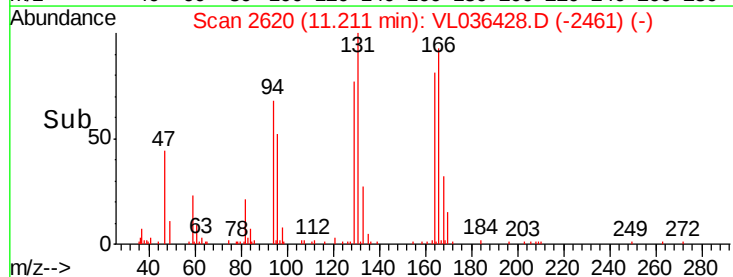
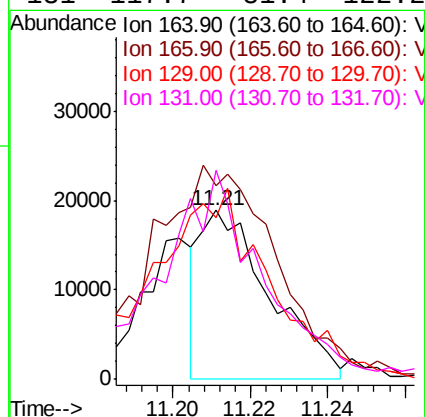
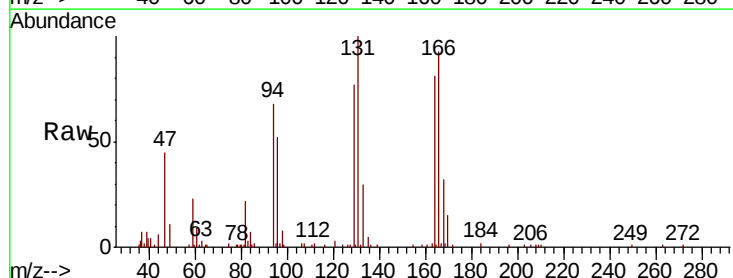
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

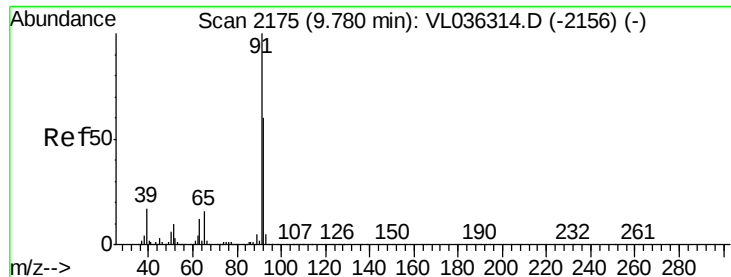
Tot Ion: 43 Resp: 13993
Ion Ratio Lower Upper
43 100
58 0.0 38.7 58.1#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.212 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 164 Resp: 23480
Ion Ratio Lower Upper
164 100
166 102.7 97.8 146.8
129 87.5 84.9 127.3
131 117.7 81.4 122.2





#53

Toluene

Concen: 0.151 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

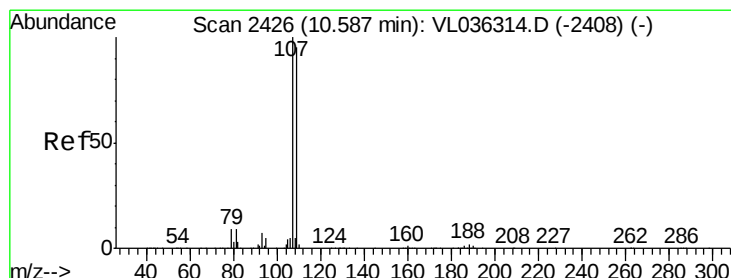
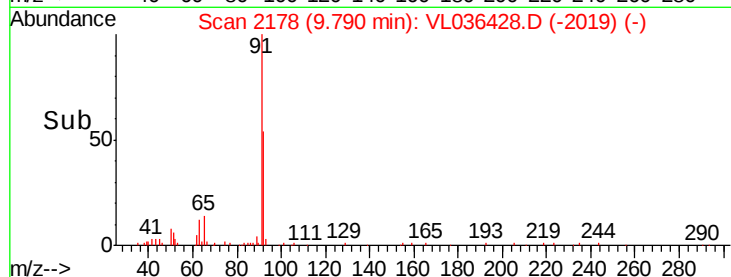
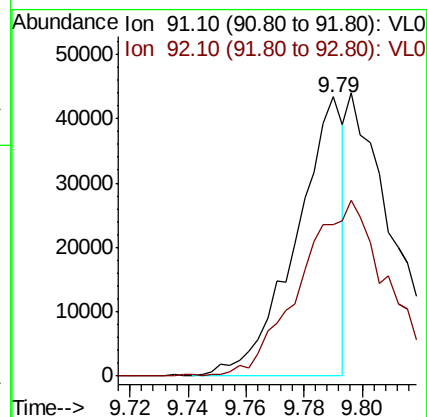
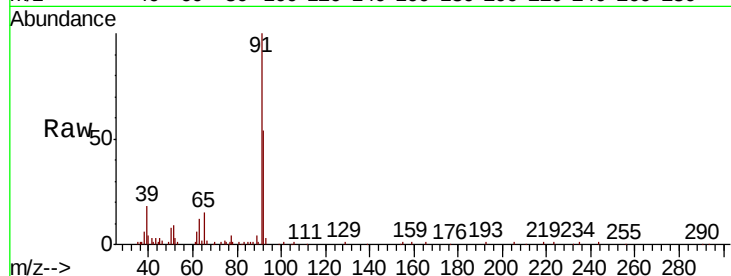
MDL-AIR-01-QT1-2021

Tot Ion: 91 Resp: 49528

Ion Ratio Lower Upper

91 100

92 0.0 48.6 72.8#



#54

1,2-Dibromoethane

Concen: 0.154 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL036428.D

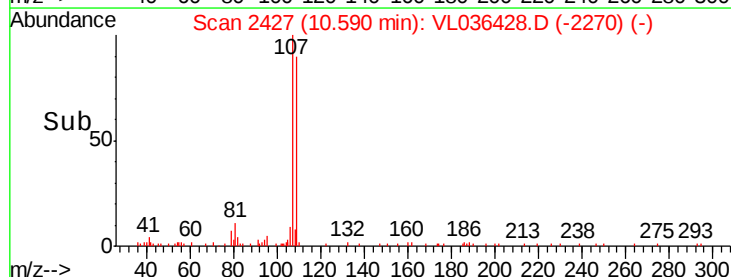
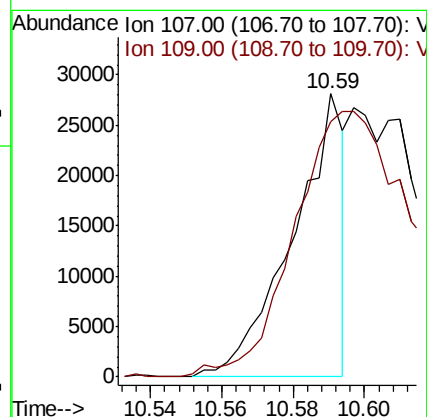
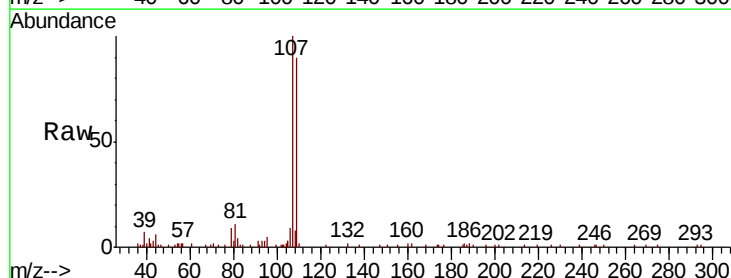
Acq: 2 Mar 2021 14:13

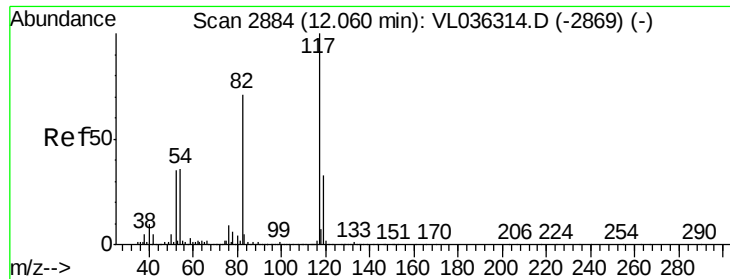
Tgt Ion: 107 Resp: 27913

Ion Ratio Lower Upper

107 100

109 88.9 76.0 114.0

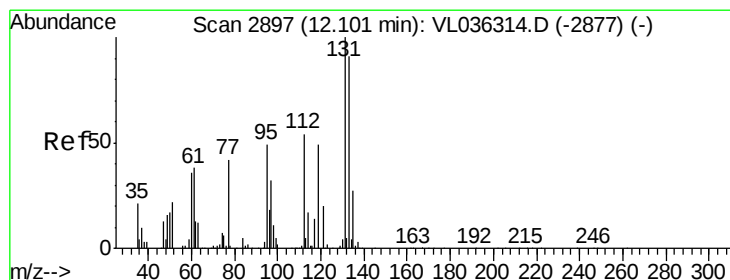
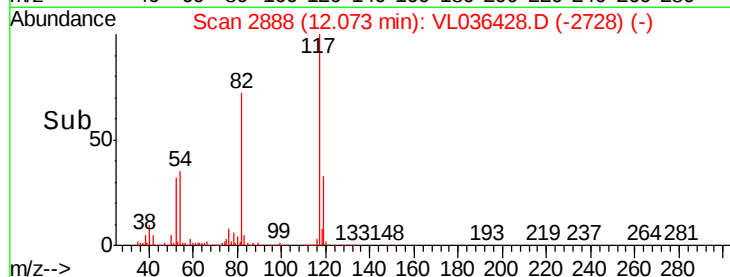
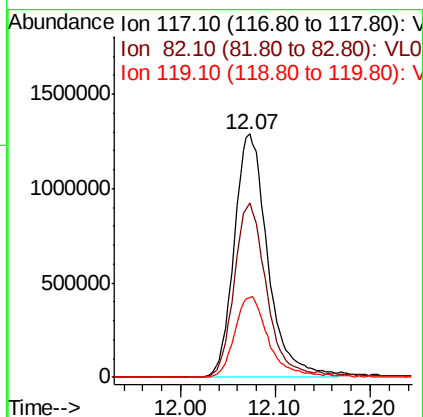
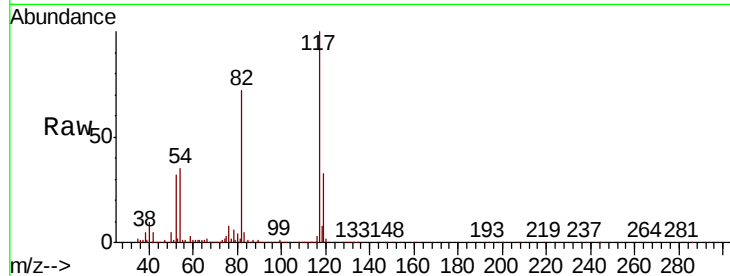




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

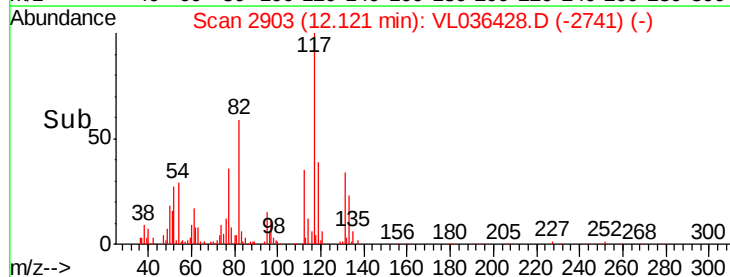
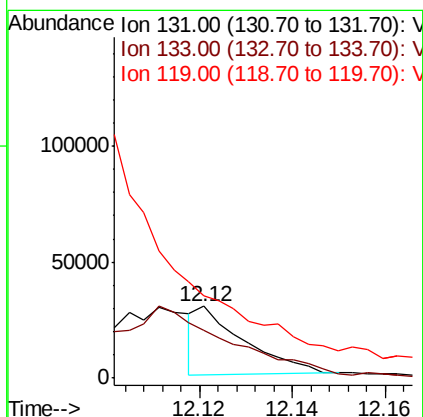
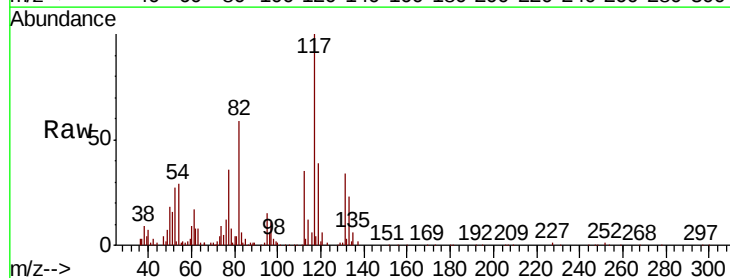
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

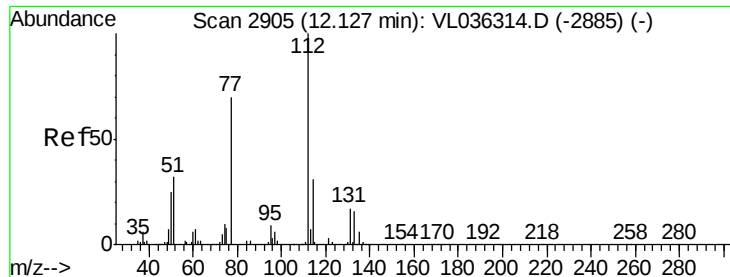
Tot Ion:117 Resp: 3191344
Ion Ratio Lower Upper
117 100
82 71.3 59.1 88.7
119 34.0 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.140 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion:131 Resp: 20485
Ion Ratio Lower Upper
131 100
133 0.0 76.0 114.0#
119 0.0 115.1 172.7#





#57

Chlorobenzene

Concen: 0.476 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

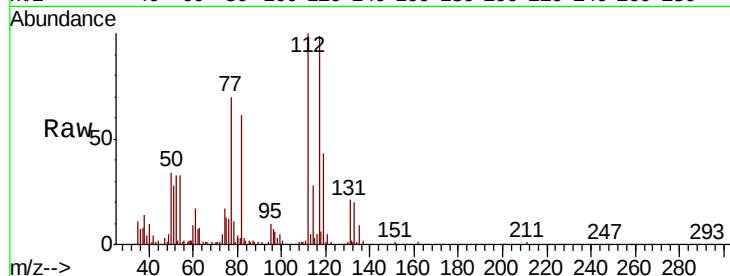
Tot Ion:112 Resp: 117421

Ion Ratio Lower Upper

112 100

77 66.0 56.1 84.1

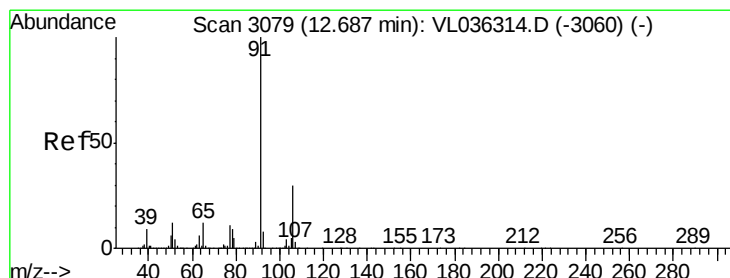
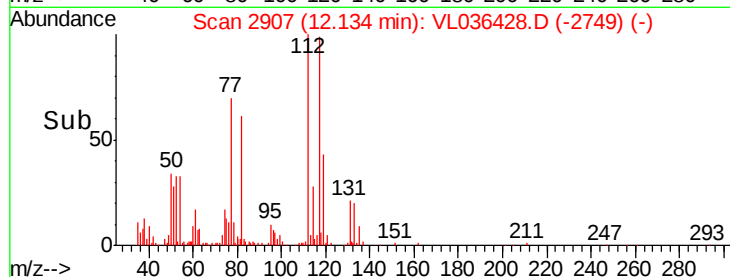
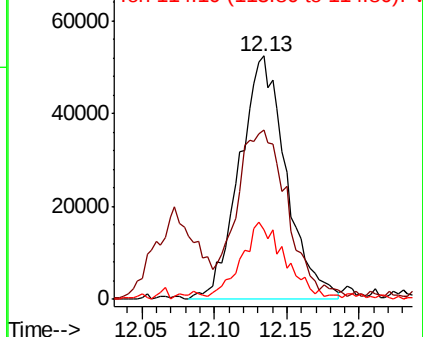
114 26.9 28.3 34.5#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.335 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VL036428.D

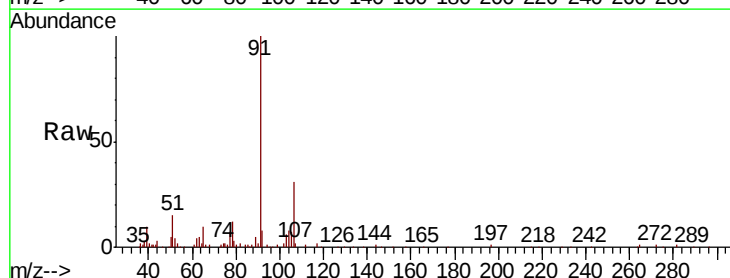
Acq: 2 Mar 2021 14:13

Tgt Ion: 91 Resp: 146413

Ion Ratio Lower Upper

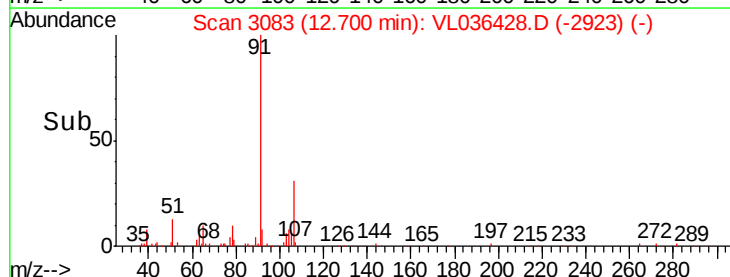
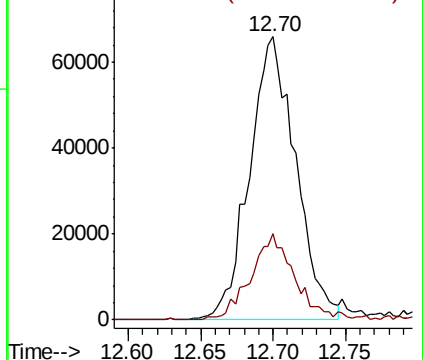
91 100

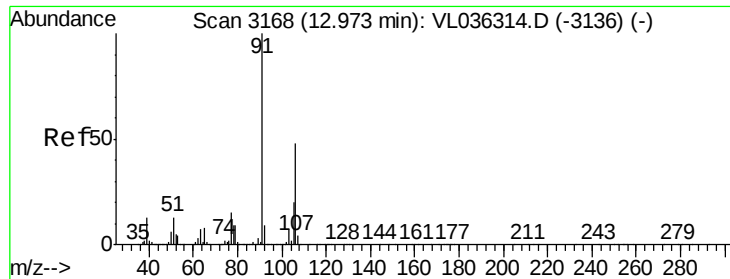
106 30.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

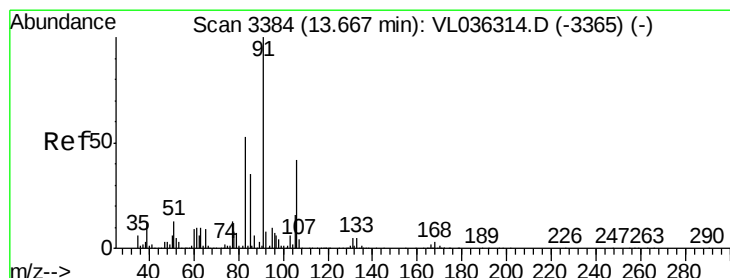
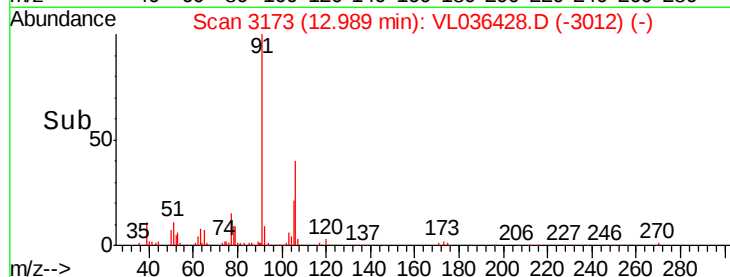
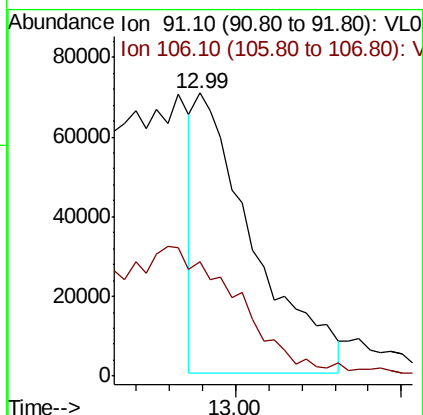
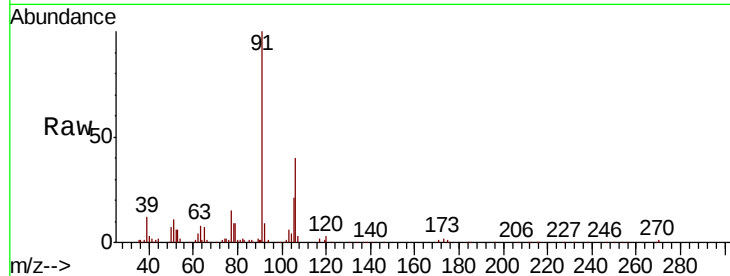




#59
m/p-Xylene
Concen: 0.221 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

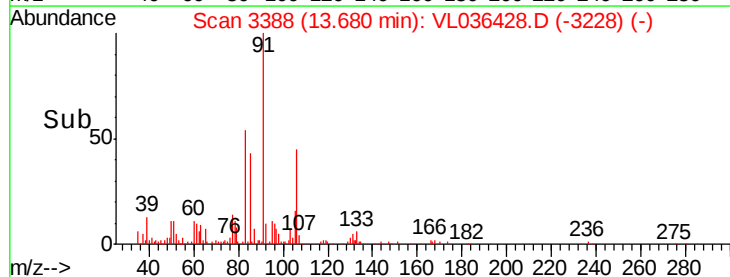
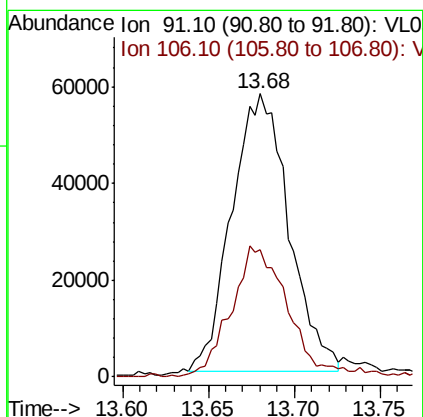
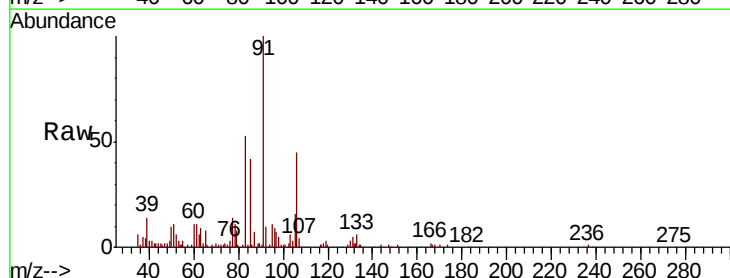
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2021

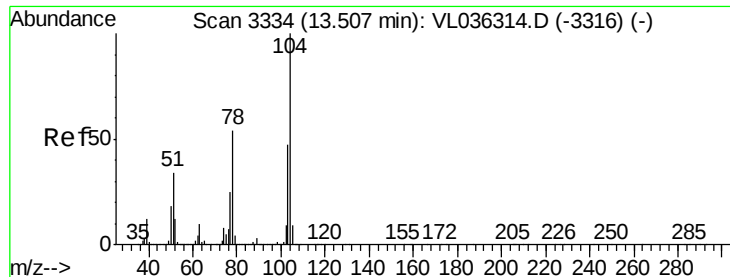
Tot Ion: 91 Resp: 84996
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



#60
o-Xylene
Concen: 0.363 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL036428.D
Acq: 2 Mar 2021 14:13

Tgt Ion: 91 Resp: 133236
Ion Ratio Lower Upper
91 100
106 47.2 22.0 66.0





#61

Stvrene

Concen: 0.107 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

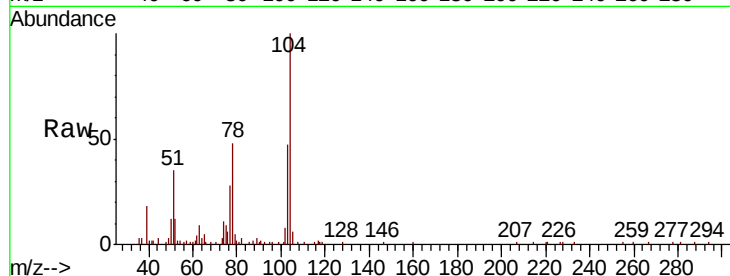
Tot Ion:104 Resp: 24293

Ion Ratio Lower Upper

104 100

78 143.8 46.2 69.2#

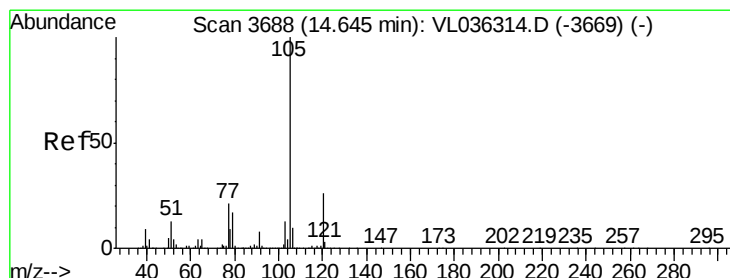
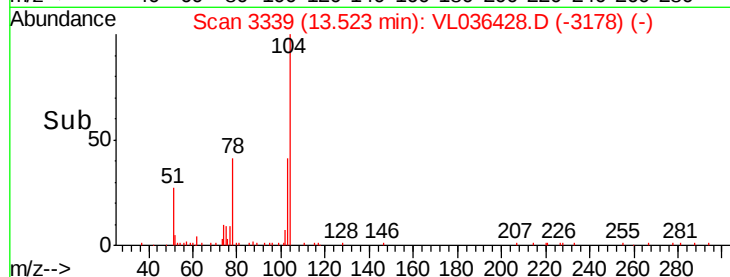
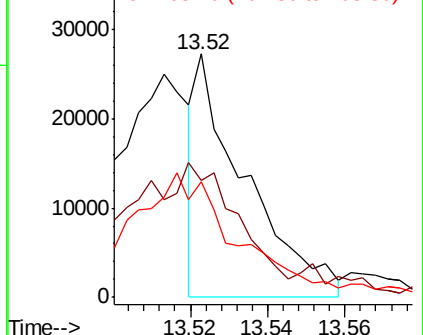
103 126.2 38.3 57.5#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.395 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. 0.01 min

Lab File: VL036428.D

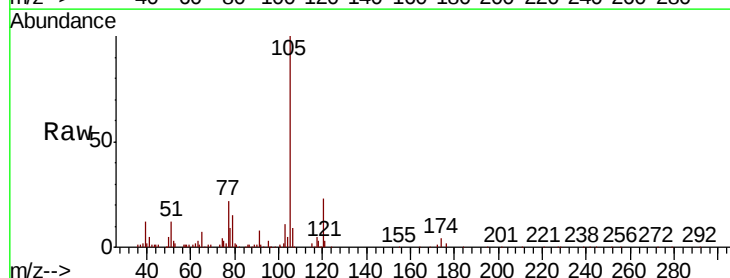
Acq: 2 Mar 2021 14:13

Tgt Ion:105 Resp: 217223

Ion Ratio Lower Upper

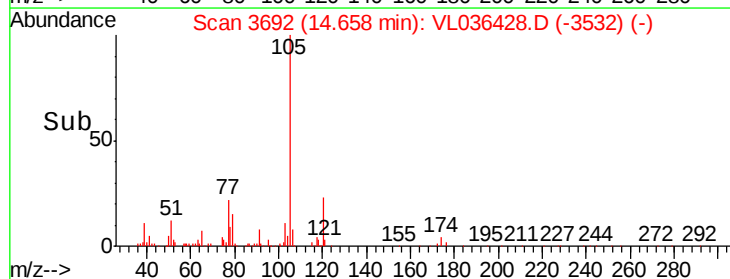
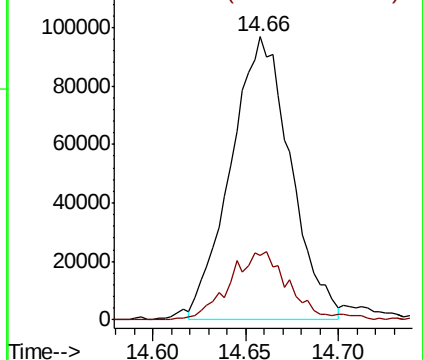
105 100

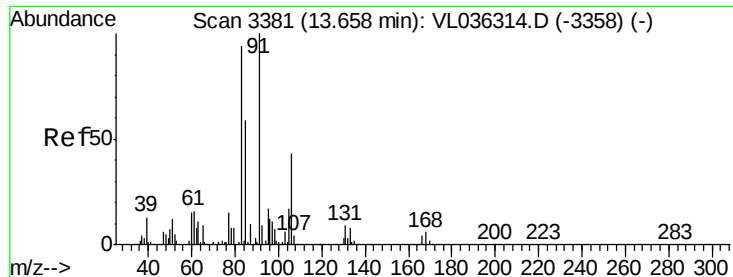
120 24.3 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

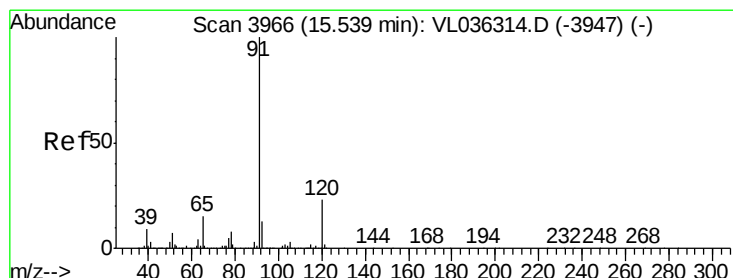
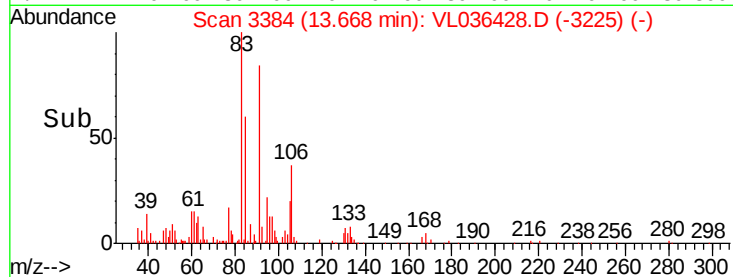
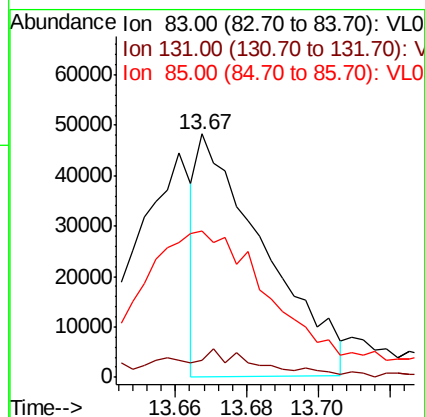
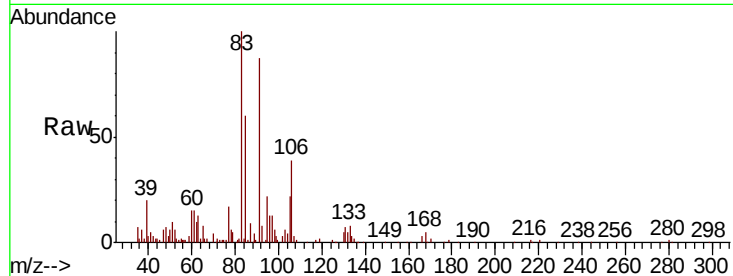




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.216 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

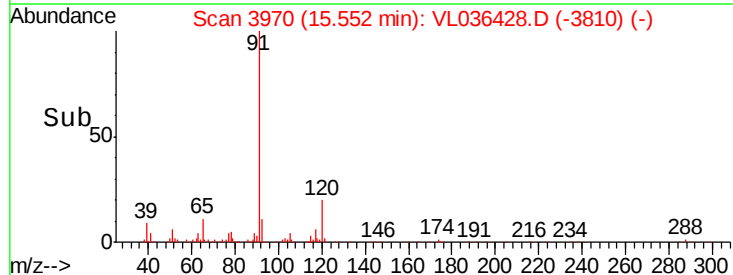
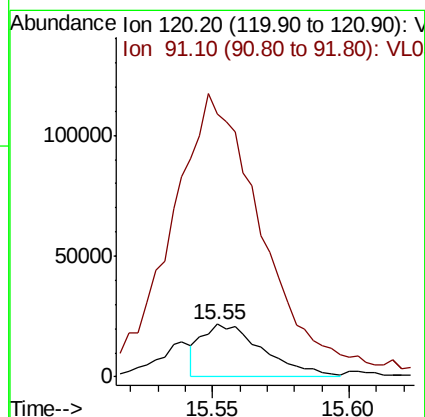
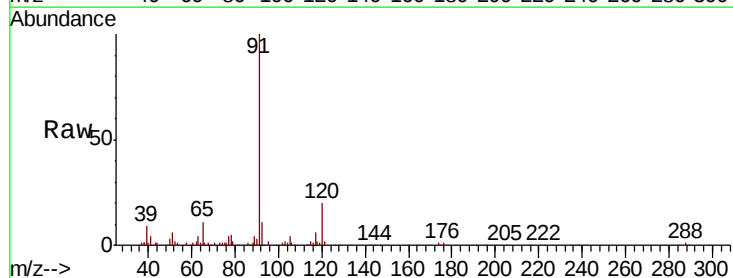
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

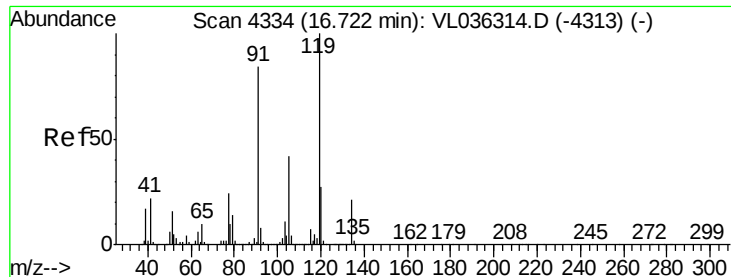
Tot Ion: 83 Resp: 62681
 Ion Ratio Lower Upper
 83 100
 131 19.5 4.7 14.0#
 85 139.6 33.0 98.9#



#64
 n-propylbenzene
 Concen: 0.254 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion:120 Resp: 34368
 Ion Ratio Lower Upper
 120 100
 91 847.6 387.2 580.8#





#65

tert-Butylbenzene

Concen: 0.171 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

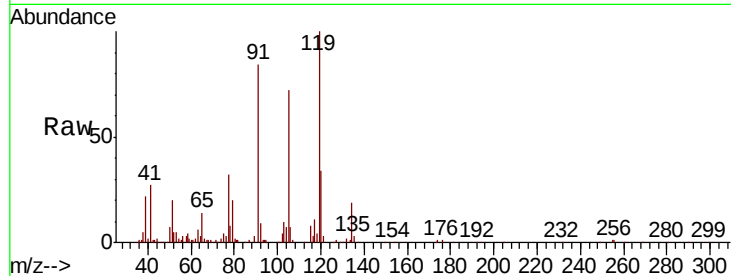
Tot Ion:119 Resp: 80311

Ion Ratio Lower Upper

119 100

91 211.2 70.5 105.7#

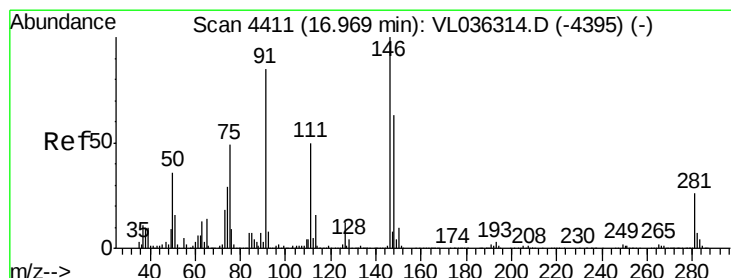
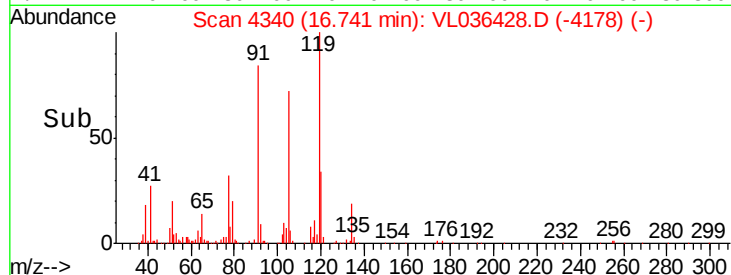
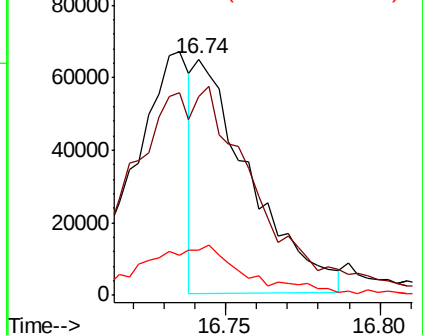
134 43.4 15.8 23.8#



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: 0.039 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

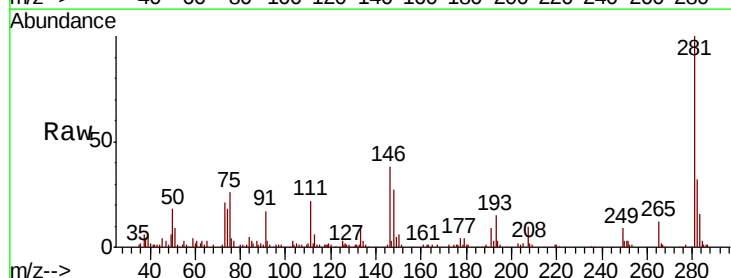
Tgt Ion: 91 Resp: 5023

Ion Ratio Lower Upper

91 100

126 164.3 12.9 19.3#

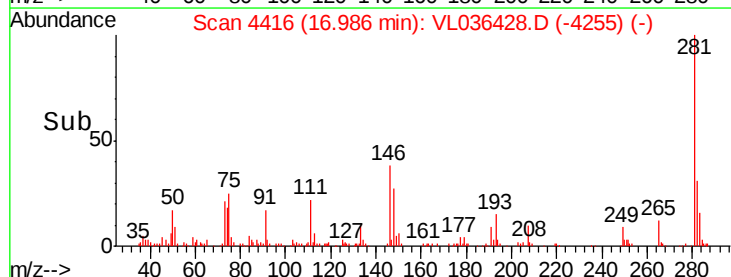
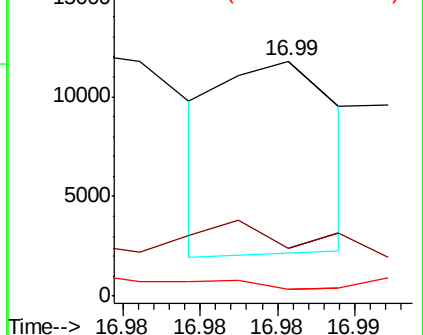
128 0.0 4.2 6.2#

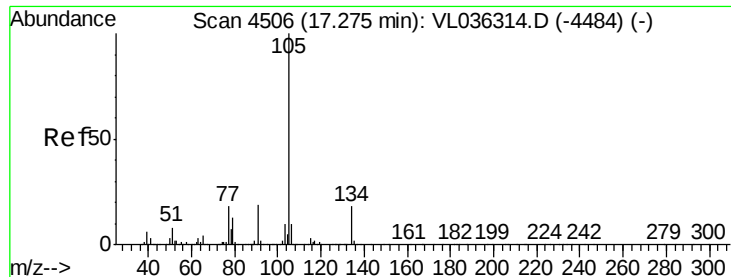


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.362 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

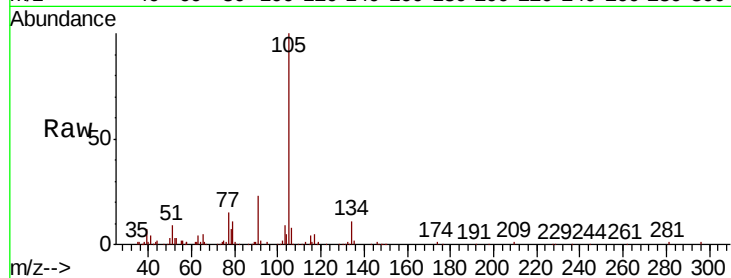
MDL-AIR-01-QT1-2021

Tot Ion: 105 Resp: 245656

Ion Ratio Lower Upper

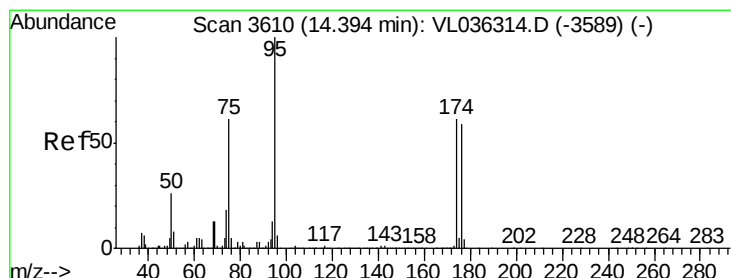
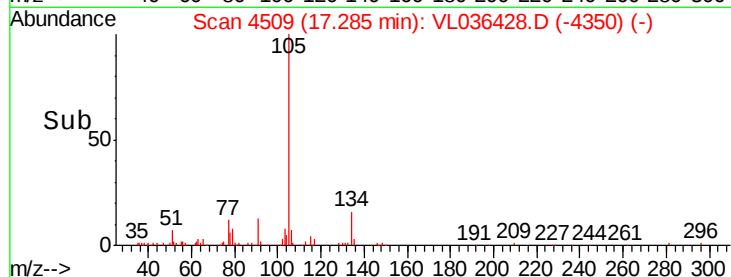
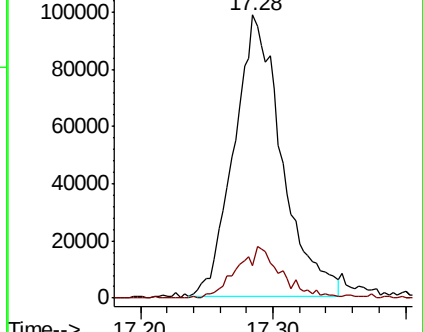
105 100

134 17.8 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: 9.718 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

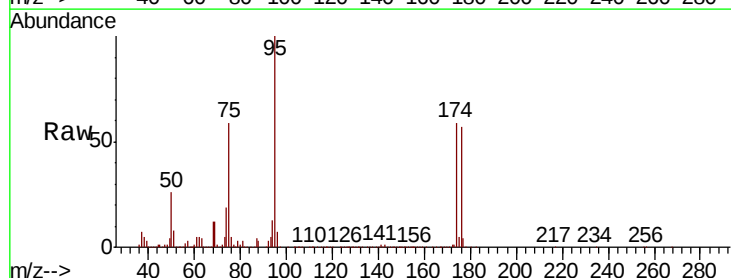
Tgt Ion: 95 Resp: 2551602

Ion Ratio Lower Upper

95 100

174 63.5 49.8 74.6

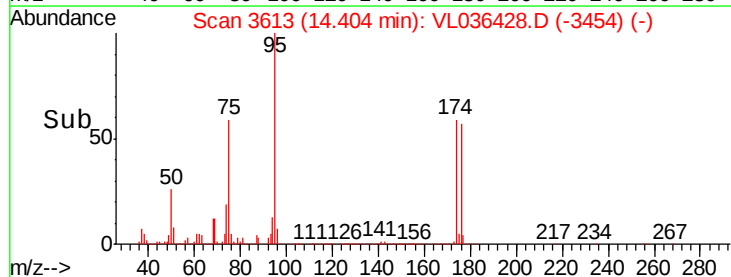
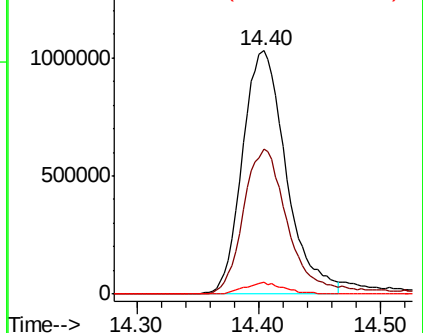
175 4.6 3.7 5.5

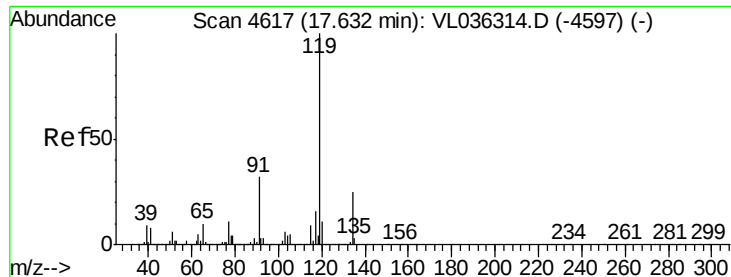


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

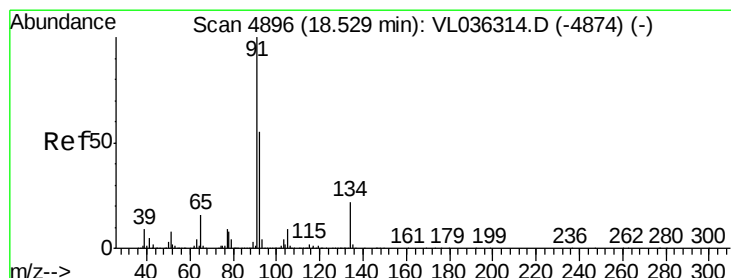
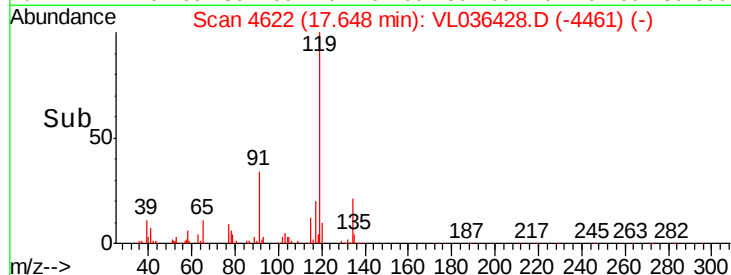
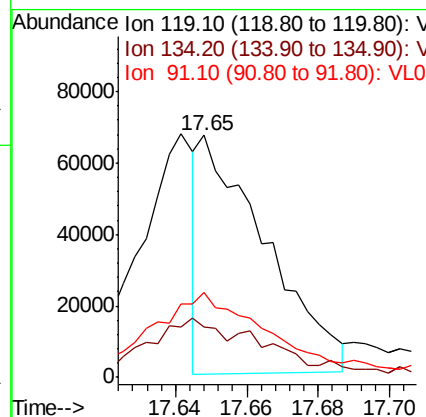
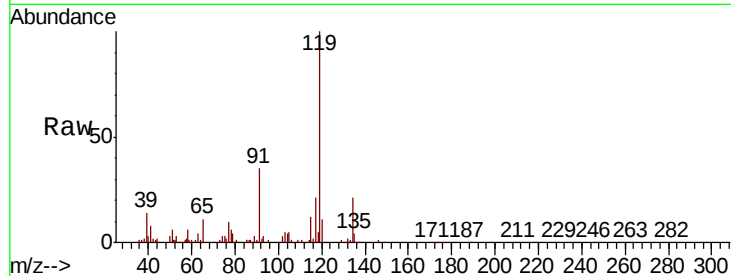




#69
 p-Isopropyltoluene
 Concen: 0.164 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

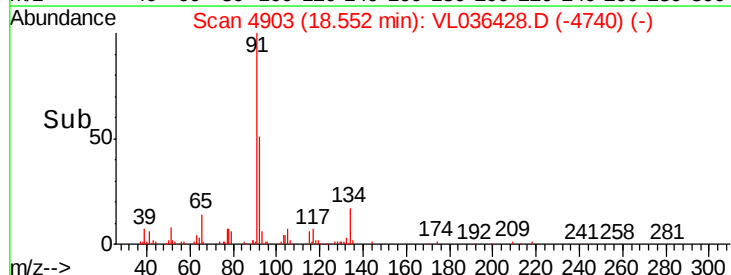
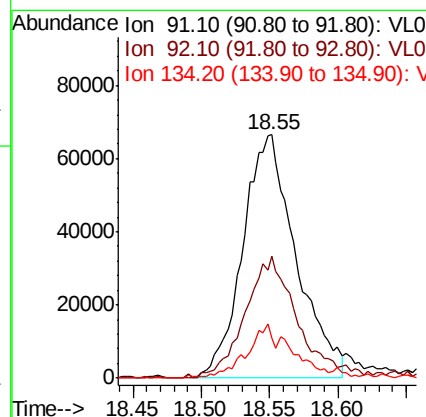
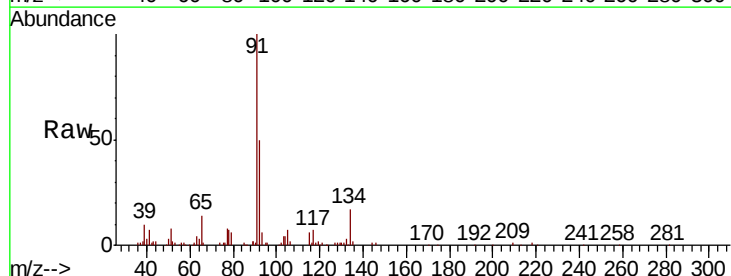
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

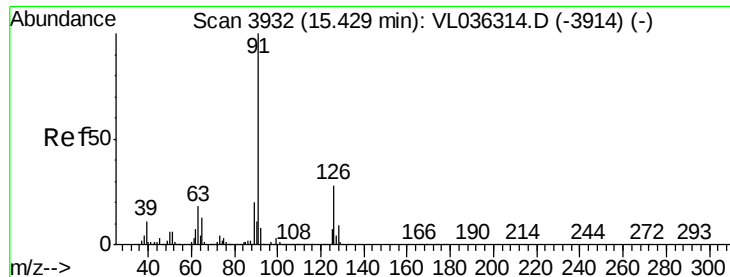
Tot Ion	Ratio	Lower	Upper
119	100		
134	51.4	20.1	30.1#
91	70.4	25.8	38.6#



#70
 n-Butylbenzene
 Concen: 0.317 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.5	43.7	65.5
134	20.8	17.4	26.0

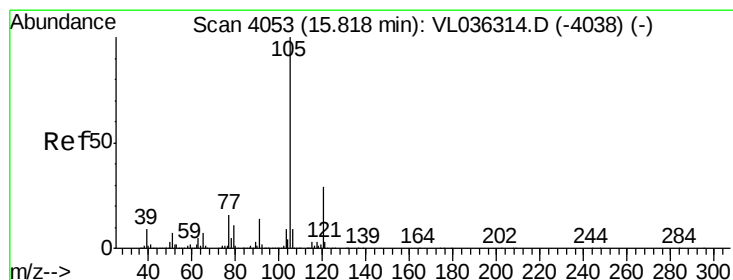
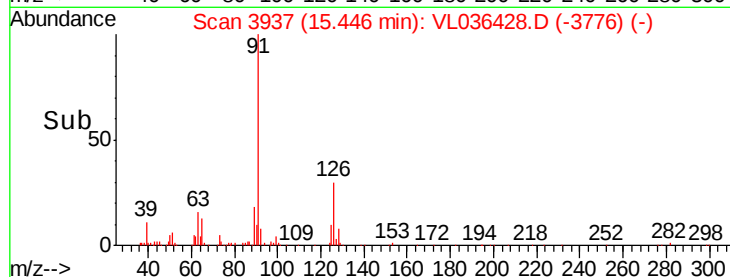
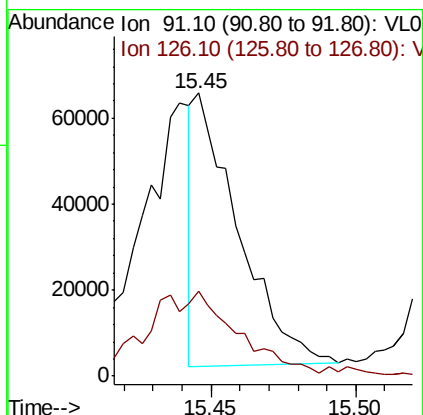
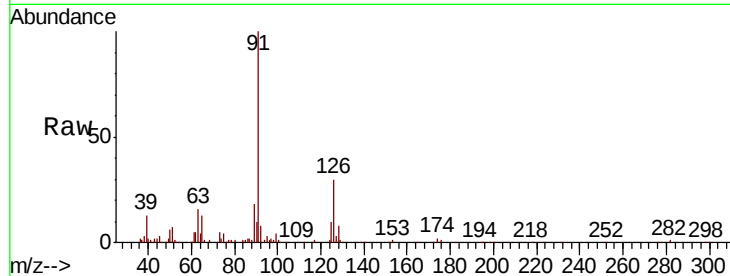




#71
 2-Chlorotoluene
 Concen: 0.158 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

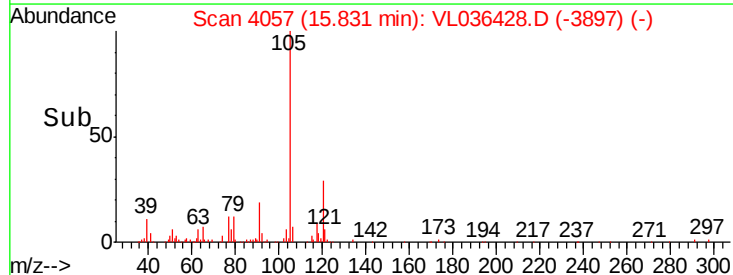
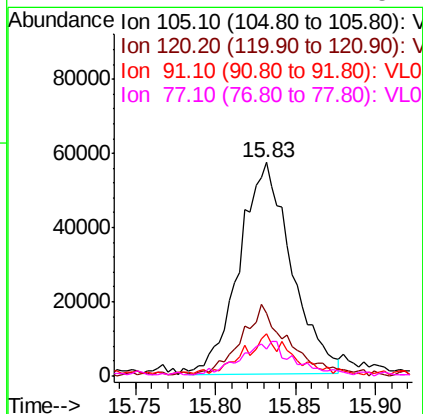
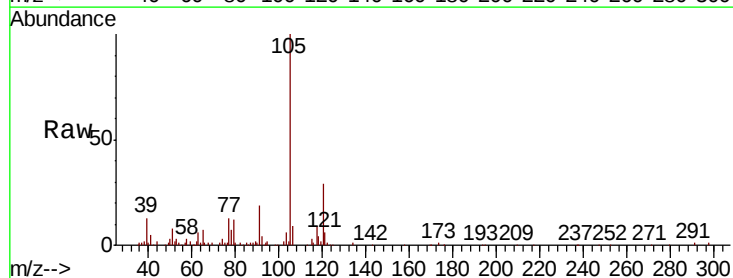
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

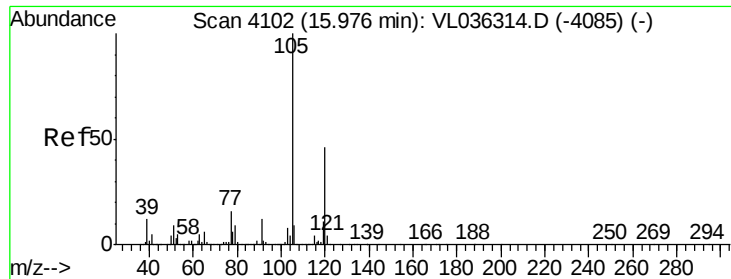
Tot Ion: 91 Resp: 66504
 Ion Ratio Lower Upper
 91 100
 126 72.6 11.5 46.1#



#72
 4-Ethyltoluene
 Concen: 0.313 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion:105 Resp: 127880
 Ion Ratio Lower Upper
 105 100
 120 32.0 23.2 34.8
 91 18.3 11.0 16.4#
 77 17.1 12.2 18.4

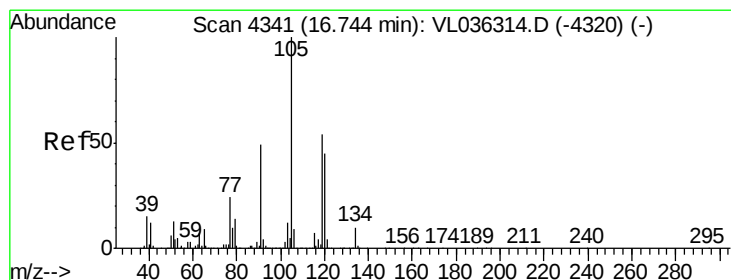
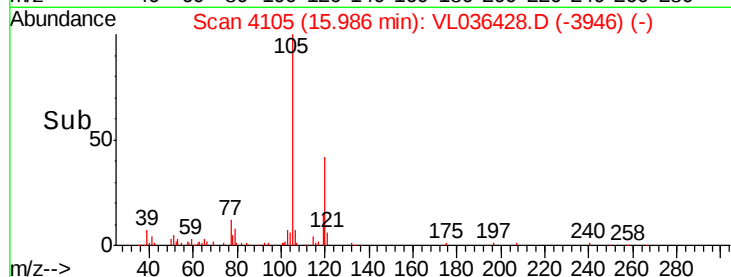
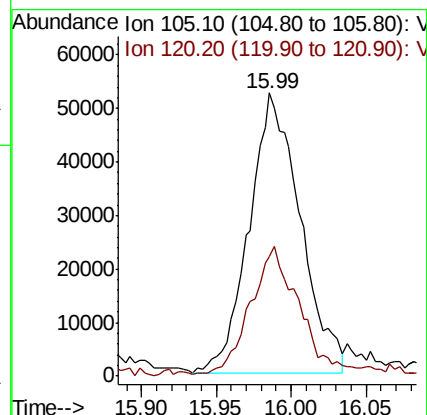
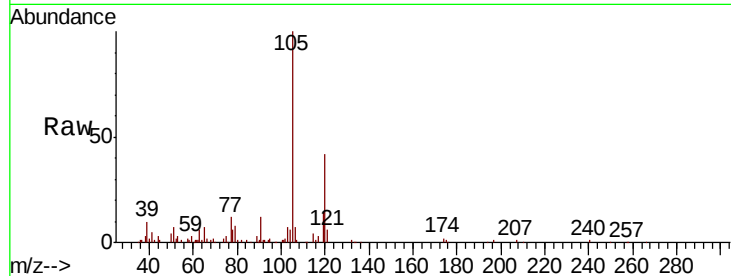




#73
 1,3,5-Trimethylbenzene
 Concen: 0.314 ppbv
 RT: 15.99 min Scan# 4105
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

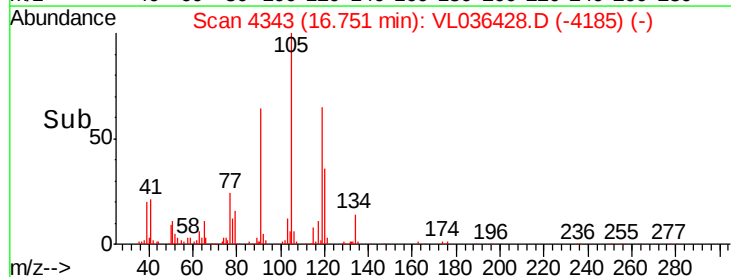
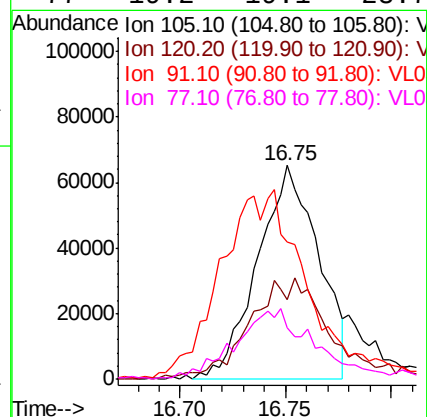
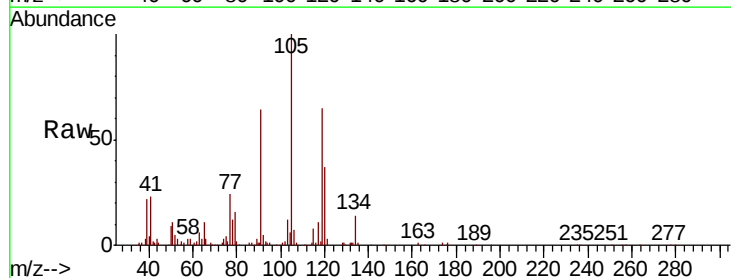
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

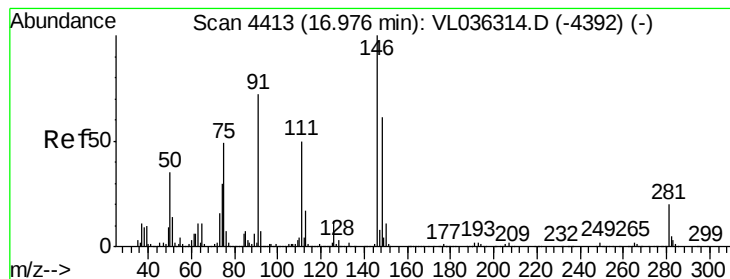
Tot Ion:105 Resp: 124331
 Ion Ratio Lower Upper
 105 100
 120 42.3 36.9 55.3



#74
 1,2,4-Trimethylbenzene
 Concen: 0.324 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. 0.01 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion:105 Resp: 130816
 Ion Ratio Lower Upper
 105 100
 120 34.2 35.8 53.6#
 91 51.0 39.8 59.6
 77 19.2 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 0.220 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.01 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

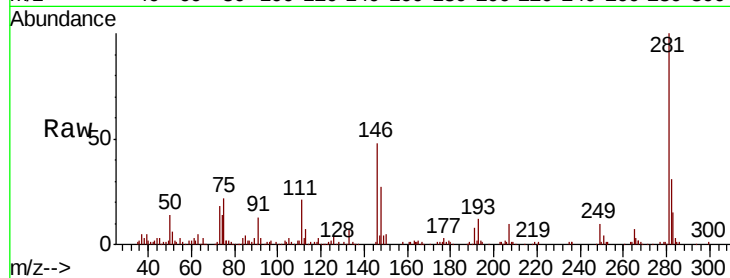
Tot Ion:146 Resp: 48224

Ion Ratio Lower Upper

146 100

111 0.0 24.9 74.6#

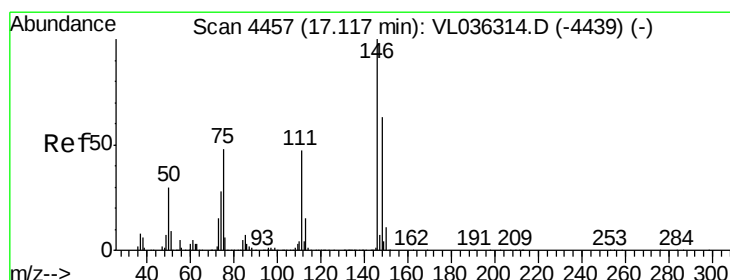
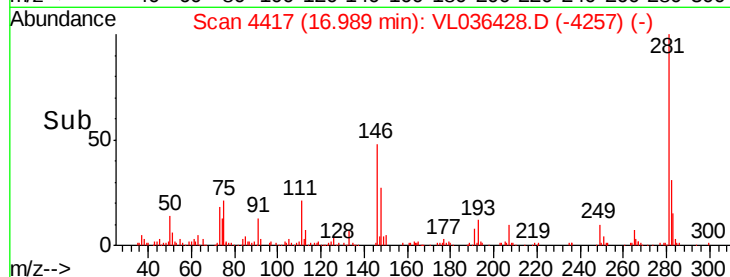
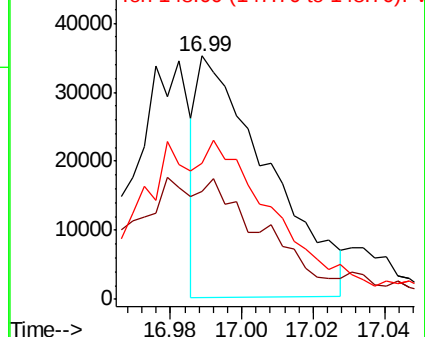
148 135.5 31.9 95.9#



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: 0.156 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.02 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

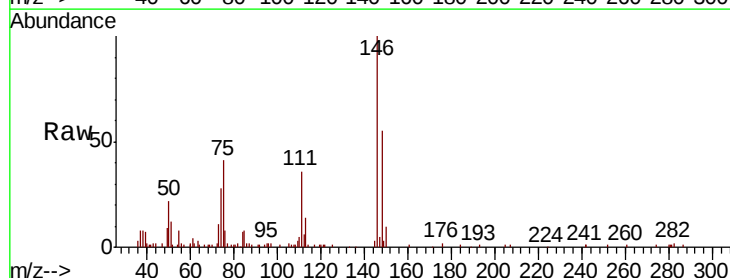
Tgt Ion:146 Resp: 35483

Ion Ratio Lower Upper

146 100

111 113.5 23.6 71.0#

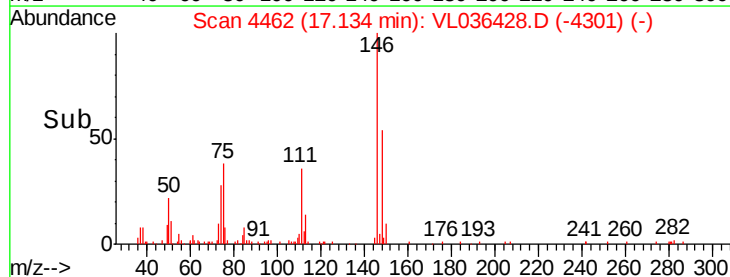
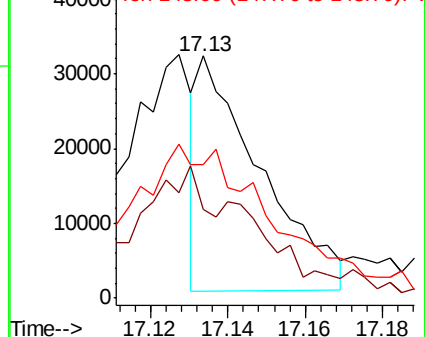
148 0.0 31.6 95.0#

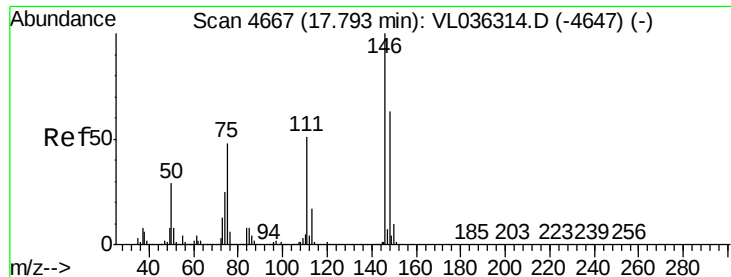


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

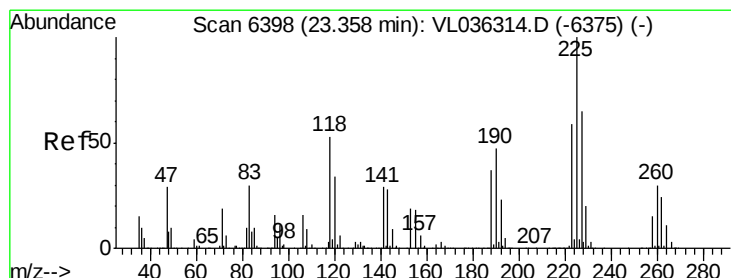
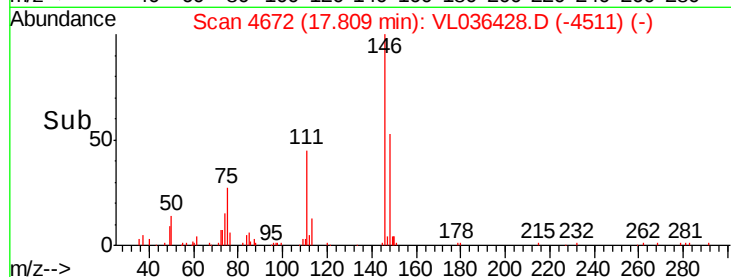
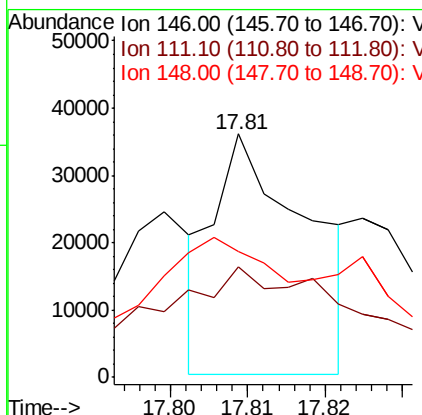
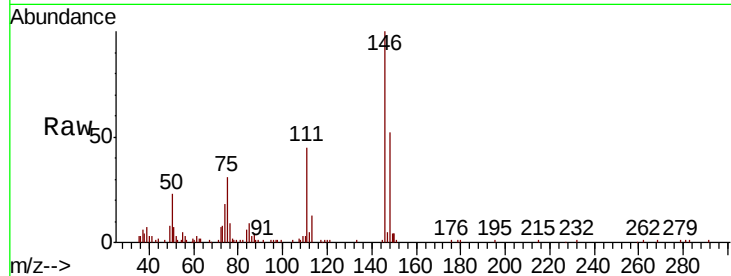




#77
 1,2-Dichlorobenzene
 Concen: 0.137 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

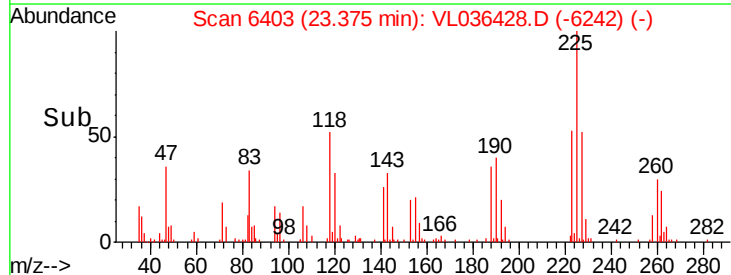
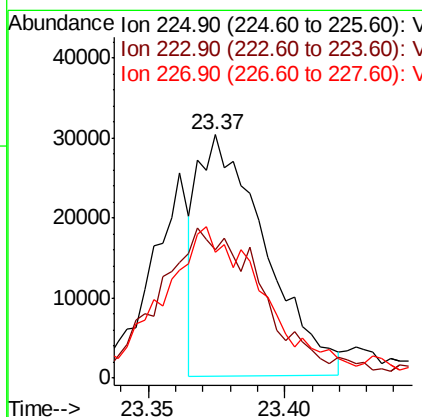
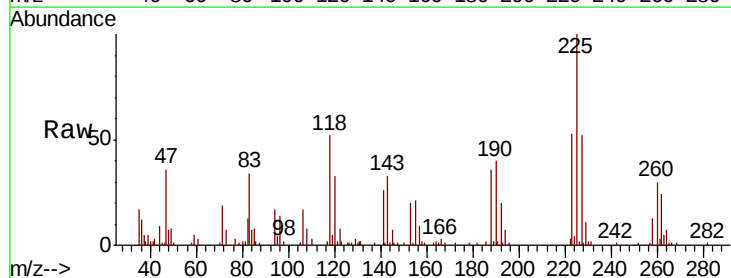
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2021

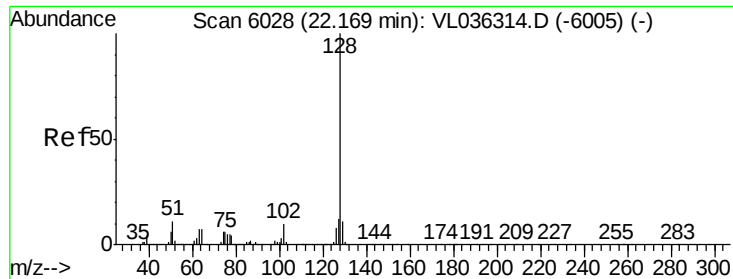
Tot Ion:146 Resp: 29768
 Ion Ratio Lower Upper
 146 100
 111 144.1 25.9 77.8#
 148 204.5 32.5 97.4#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.291 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.02 min
 Lab File: VL036428.D
 Acq: 2 Mar 2021 14:13

Tgt Ion:225 Resp: 51760
 Ion Ratio Lower Upper
 225 100
 223 99.8 50.8 76.2#
 227 108.4 52.2 78.2#





#79

Naphthalene

Concen: 0.045 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.03 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2021

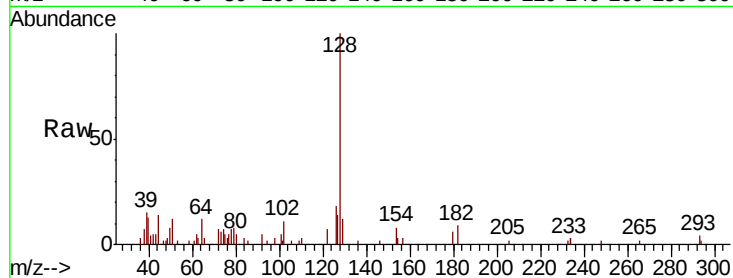
Tot Ion:128 Resp: 10857

Ion Ratio Lower Upper

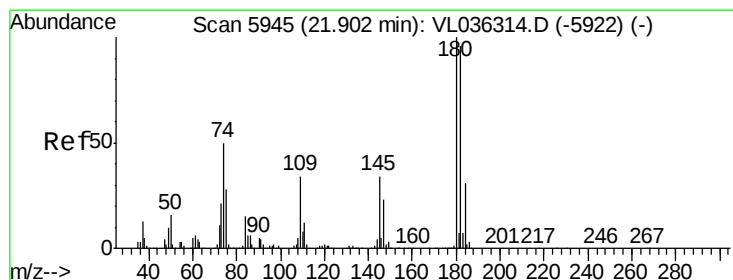
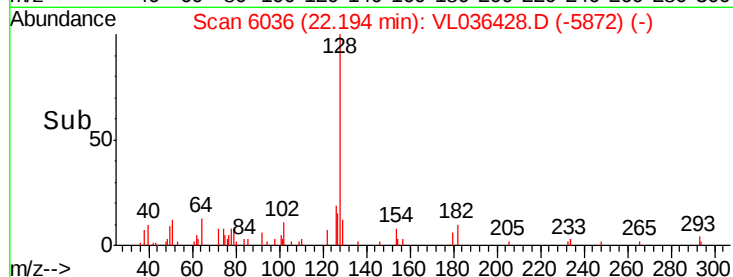
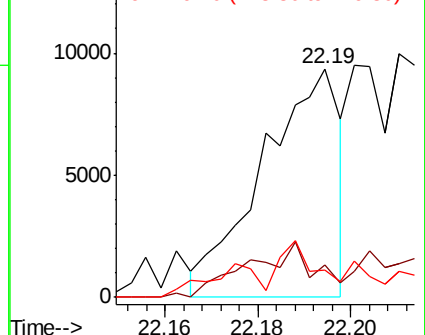
128 100

127 16.1 9.6 14.4#

129 5.8 8.5 12.7#



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



#81

1,2,4-Trichlorobenzene

Concen: 0.062 ppbv

RT: 21.94 min Scan# 5956

Delta R.T. 0.04 min

Lab File: VL036428.D

Acq: 2 Mar 2021 14:13

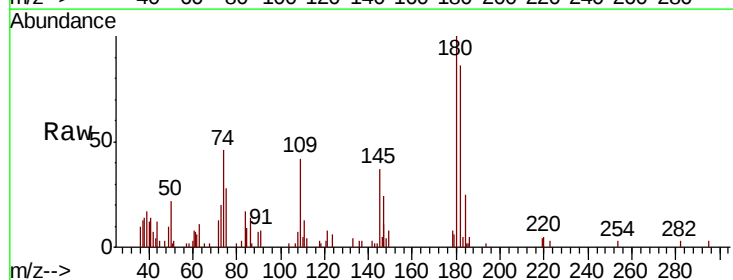
Tgt Ion:180 Resp: 9053

Ion Ratio Lower Upper

180 100

182 354.7 80.2 120.4#

184 0.0 25.0 37.6#



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

