

Data File : VL034877.D
Acq On : 10 Mar 2020 22:12
Operator : SY/AP
Sample : L1161-15 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2020

Quant Time: Mar 11 05:56:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	864186	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1938114	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1893219	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.45 95 1564996 10.60 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 106.00%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.01	85	75389	0.637 ppbv	98
3) Chlorodifluoromethane	2.95	51	44697	0.463 ppbv	94
4) Chloromethane	3.10	50	24202	0.444 ppbv	89
5) Vinyl Chloride	3.22	62	22371	0.426 ppbv	99
6) Bromomethane	3.43	94	4206	0.138 ppbv	94
7) Chloroethane	3.52	64	4316	0.228 ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	59812	0.487 ppbv	99
9) Propene	2.97	41	9644	0.209 ppbv #	15
10) Heptane	8.13	43	39907	0.352 ppbv	90
11) Trichlorofluoromethane	3.92	101	59353	0.471 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	43783	0.497 ppbv	94
13) Ethanol	3.57	45	1813	0.129 ppbv #	35
14) Bromoethene	3.71	108	16167	0.425 ppbv	91
15) Acetone	3.83	43	56000	0.500 ppbv	96
16) 1,3-Butadiene	3.29	39	21227	0.419 ppbv	96
17) tert-Butyl alcohol	4.28	59	23211	0.215 ppbv #	61
18) 1,1-Dichloroethene	4.26	96	17716	0.454 ppbv	93
19) Isopropyl Alcohol	3.95	45	33926	0.480 ppbv #	44
20) Methylene Chloride	4.32	84	20027	0.566 ppbv	85
21) Allyl Chloride	4.38	41	11664	0.162 ppbv #	20
22) trans-1,2-Dichloroethene	4.87	96	12011	0.303 ppbv	87
23) Vinyl Acetate	5.06	43	57852	0.350 ppbv #	93
24) 1,1-Dichloroethane	4.99	63	31474	0.284 ppbv	97
25) Ethyl Acetate	5.67	43	84942	0.426 ppbv	98
26) Hexane	5.68	57	33384	0.389 ppbv	84
27) Carbon Disulfide	4.53	76	12251	0.126 ppbv #	5
28) Methyl tert-Butyl Ether	5.03	73	53408	0.374 ppbv	100
29) Chloroform	5.74	83	59283	0.452 ppbv	98
30) Cyclohexane	7.13	84	10780	0.150 ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	31728	0.361 ppbv #	82
32) 1,1,1-Trichloroethane	6.50	97	52667	0.412 ppbv	96
34) 2-Butanone	5.24	43	50989	0.396 ppbv	96
35) Carbon Tetrachloride	7.02	117	49209	0.408 ppbv	92
36) Benzene	6.90	78	66639	0.386 ppbv #	92
37) 1,2-Dichloroethane	6.30	62	45532	0.467 ppbv	97
38) Trichloroethene	7.84	130	17900	0.273 ppbv #	62
39) 1,2-Dichloropropane	7.62	63	19276	0.282 ppbv #	87
40) 1,4-Dioxane	7.86	88	644	0.025 ppbv #	1
41) Tetrahydrofuran	6.06	42	11883	0.171 ppbv #	37
42) Bromodichloromethane	7.80	83	23282	0.175 ppbv #	95
43) Methyl Methacrylate	8.03	69	23704	0.326 ppbv	96

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Instrument :
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MDL-AIR-01-QT1-2020

Quant Time: Mar 11 05:56:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	111307	0.381	ppbv	94
45) t-1,3-Dichloropropene	9.29	75	20460	0.239	ppbv #	74
46) cis-1,3-Dichloropropene	8.71	75	14642	0.144	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	30862	0.439	ppbv	93
48) Dibromochloromethane	10.33	129	12725	0.112	ppbv #	10
49) Bromoform	13.08	173	5159	0.051	ppbv #	1
50) 4-Methyl-2-Pentanone	8.77	43	38704	0.209	ppbv #	39
51) 2-Hexanone	10.17	43	23732	0.158	ppbv #	29
52) Tetrachloroethene	11.24	164	16467	0.241	ppbv	83
53) Toluene	9.83	91	63590	0.319	ppbv	96
54) 1,2-Dibromoethane	10.63	107	22012	0.208	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	23777	0.280	ppbv #	1
57) Chlorobenzene	12.18	112	22999	0.155	ppbv	95
58) Ethyl Benzene	12.74	91	88248	0.344	ppbv	89
59) m/p-Xylene	13.02	91	15326	0.071	ppbv #	30
60) o-Xylene	13.72	91	46870	0.223	ppbv #	60
61) Styrene	13.55	104	11746	0.080	ppbv #	28
62) Isopropylbenzene	14.70	105	82903	0.261	ppbv #	80
63) 1,1,2,2-Tetrachloroethane	13.71	83	31198	0.219	ppbv #	10
64) n-propylbenzene	15.59	120	28106	0.341	ppbv #	64
65) tert-Butylbenzene	16.78	119	87289	0.315	ppbv #	83
66) Benzyl Chloride	17.02	91	11926	0.103	ppbv #	63
67) sec-Butylbenzene	17.33	105	129747	0.338	ppbv	99
69) p-Isopropyltoluene	17.70	119	97770	0.303	ppbv	95
70) n-Butylbenzene	18.59	91	107614	0.327	ppbv	96
71) 2-Chlorotoluene	15.49	91	46296	0.193	ppbv #	59
72) 4-Ethyltoluene	15.87	105	81026	0.327	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.03	105	73153	0.316	ppbv	87
74) 1,2,4-Trimethylbenzene	16.80	105	44054	0.184	ppbv #	96
75) 1,3-Dichlorobenzene	17.03	146	37489	0.260	ppbv #	34
76) 1,4-Dichlorobenzene	17.17	146	21121	0.147	ppbv #	23
77) 1,2-Dichlorobenzene	17.86	146	29250	0.210	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.42	225	20252	0.174	ppbv #	18
79) Naphthalene	22.24	128	5009	0.027	ppbv #	85
81) 1,2,4-Trichlorobenzene	21.98	180	5033	0.043	ppbv #	12

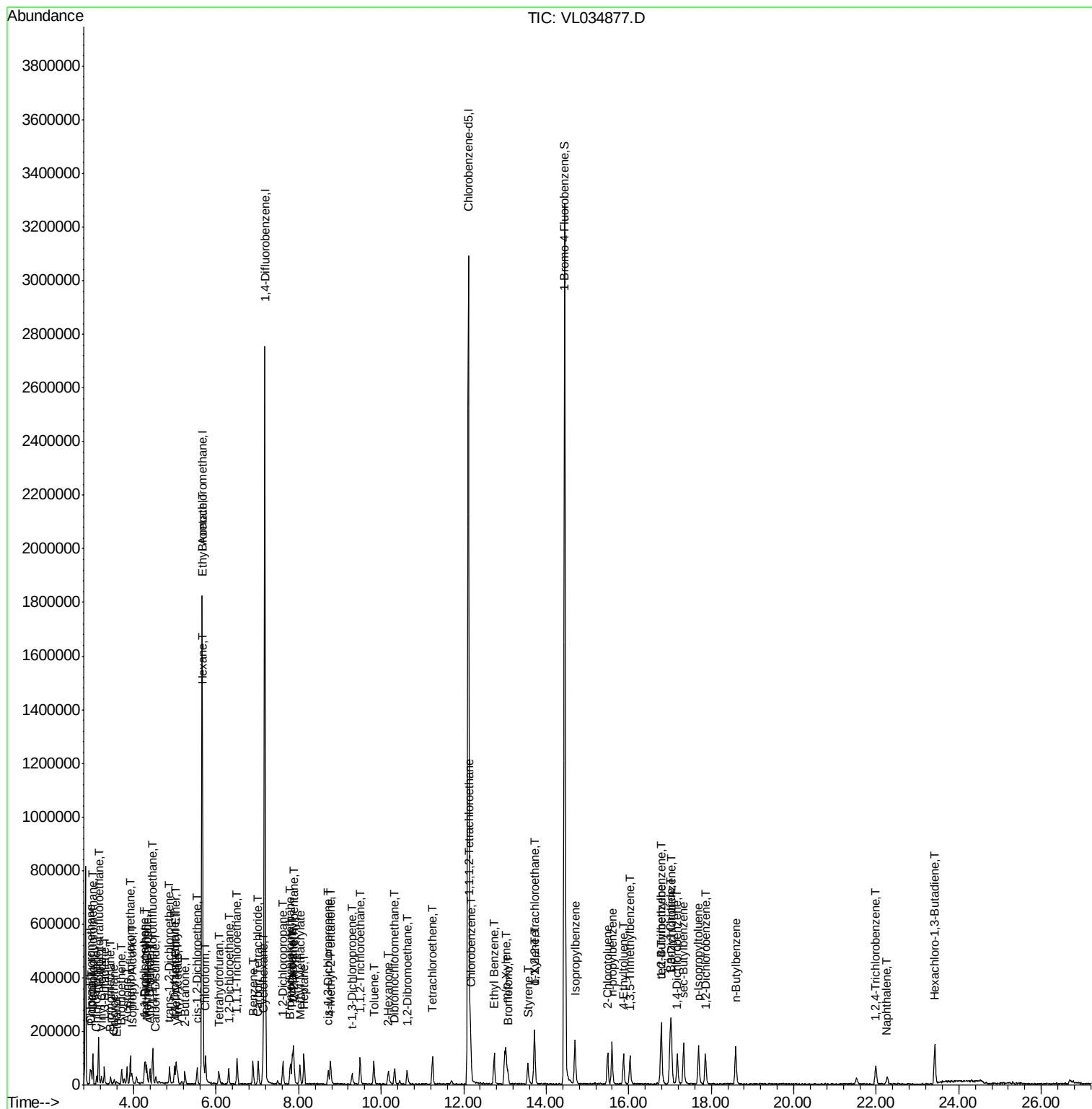
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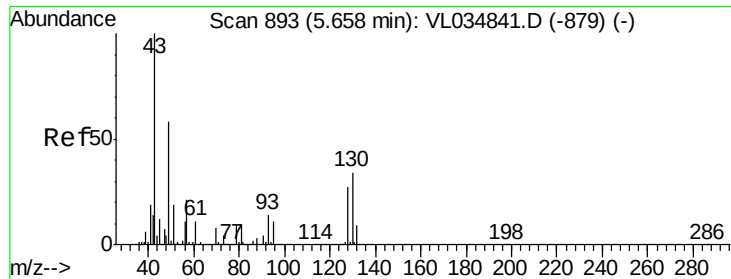
Data File : VL034877.D

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Misc         : 400ml/MSV0A_L
ALS Vial     : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Mar 11 05:56:10 2020
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

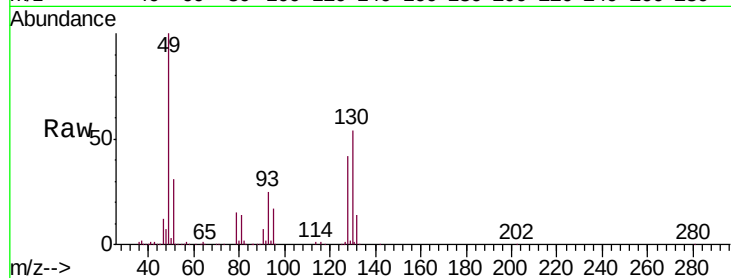
Tgt Ion: 49 Resp: 864186

Ion Ratio Lower Upper

49 100

128 46.5 23.4 70.3

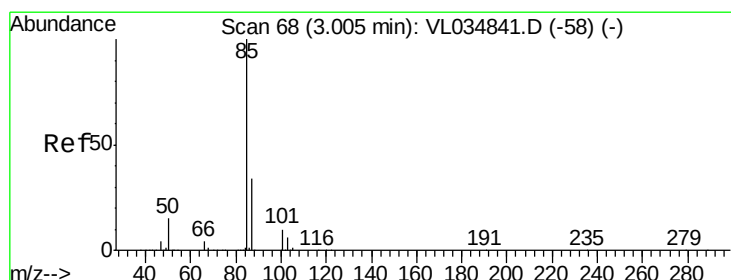
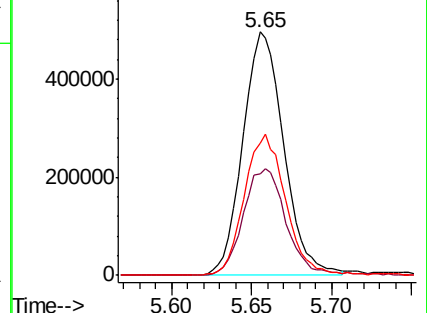
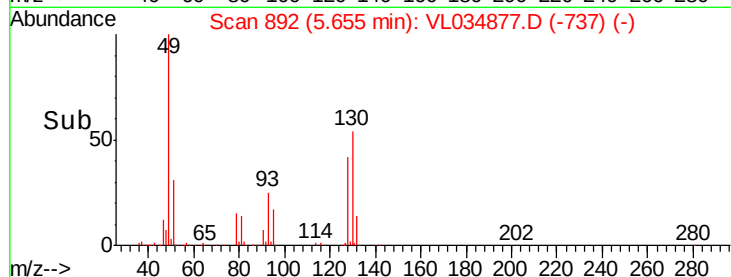
130 59.0 30.0 90.0



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: 0.637 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL034877.D

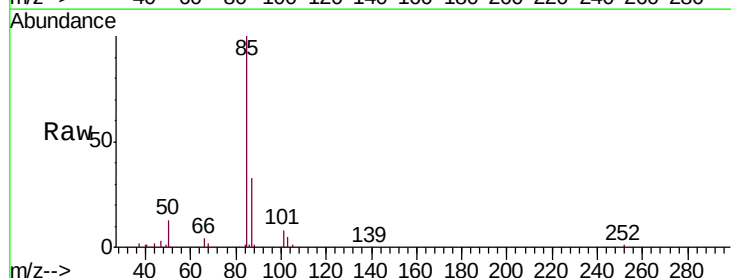
Acq: 10 Mar 2020 22:12

Tgt Ion: 85 Resp: 75389

Ion Ratio Lower Upper

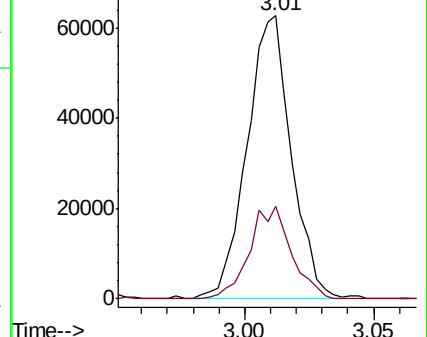
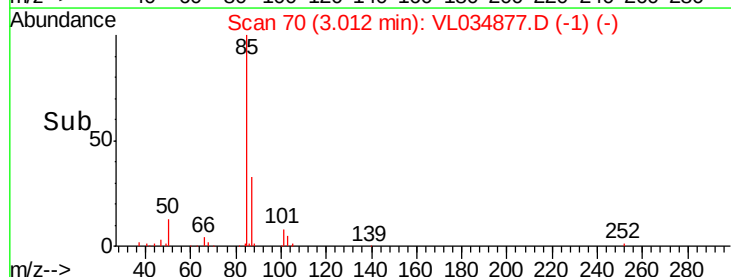
85 100

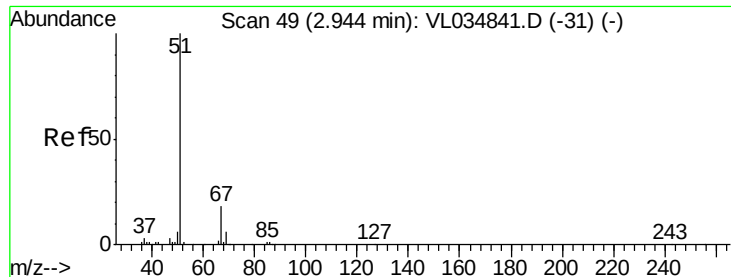
87 32.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.463 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

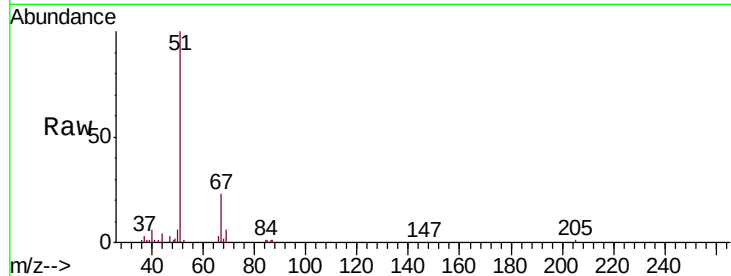
MDL-AIR-01-QT1-2020

Tgt Ion: 51 Resp: 44697

Ion Ratio Lower Upper

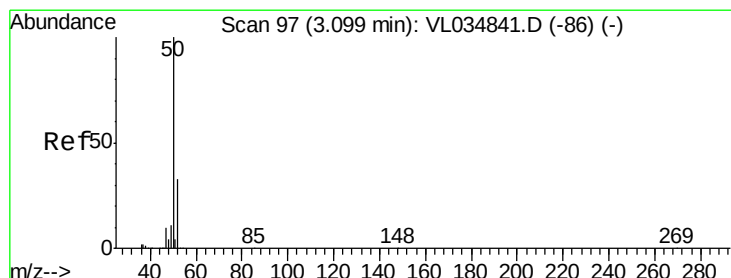
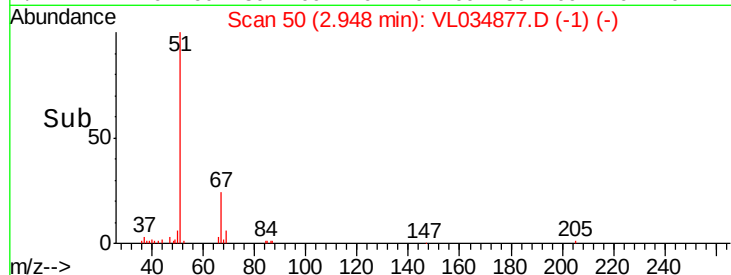
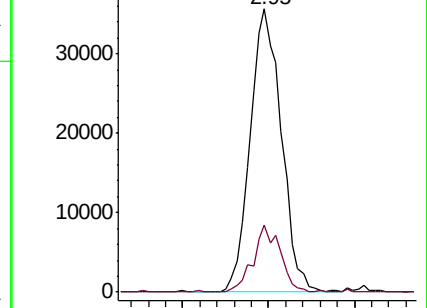
51 100

67 20.5 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.444 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.00 min

Lab File: VL034877.D

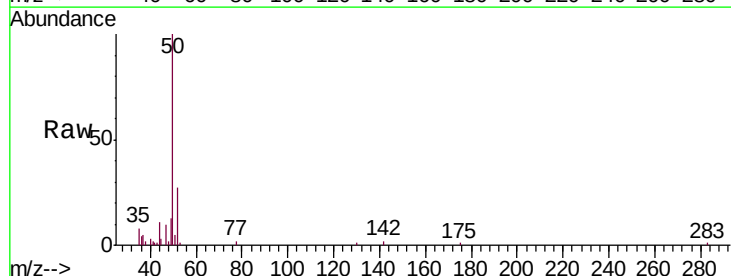
Acq: 10 Mar 2020 22:12

Tgt Ion: 50 Resp: 24202

Ion Ratio Lower Upper

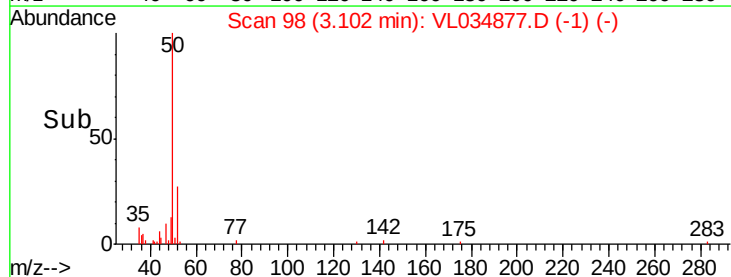
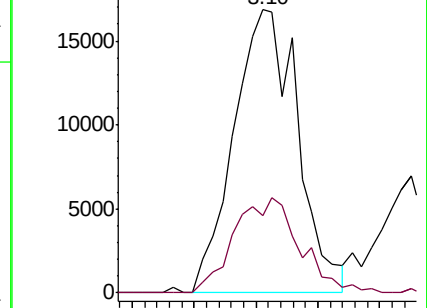
50 100

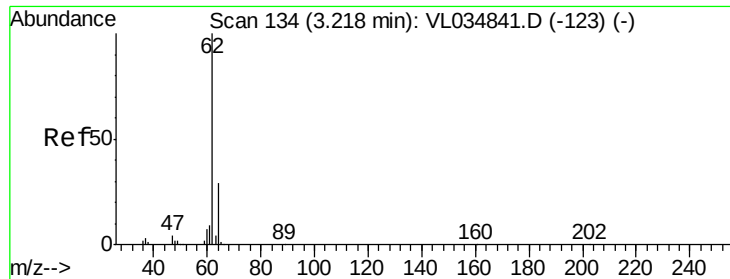
52 27.1 26.8 40.2



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: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

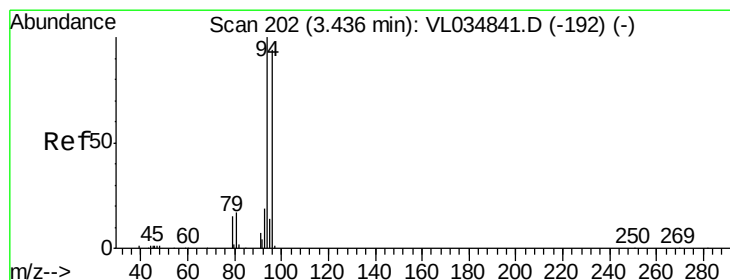
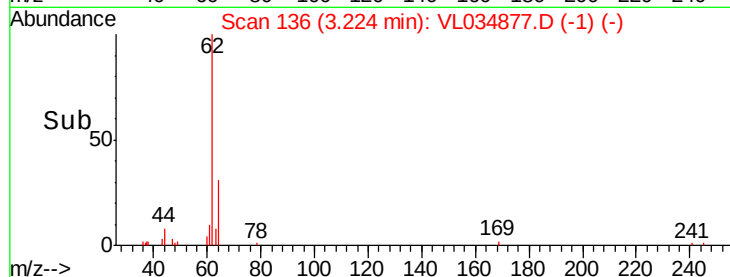
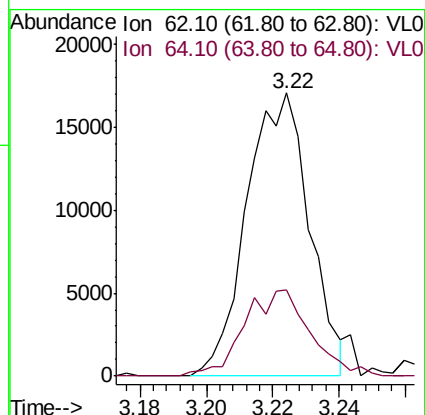
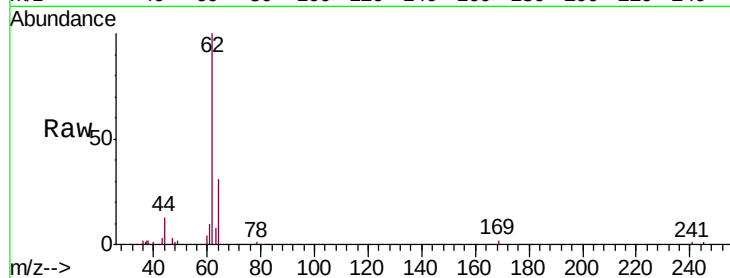
MDL-AIR-01-QT1-2020

Tgt Ion: 62 Resp: 22371

Ion Ratio Lower Upper

62 100

64 29.0 23.0 34.4



#6

Bromomethane

Concen: 0.138 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL034877.D

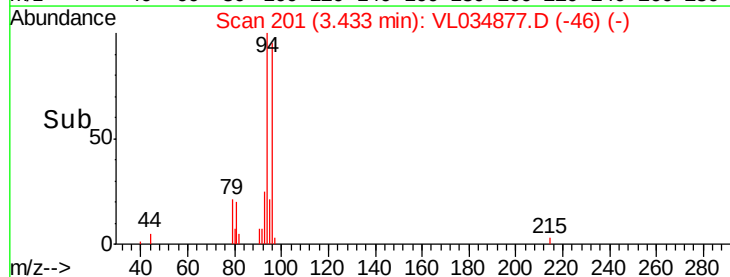
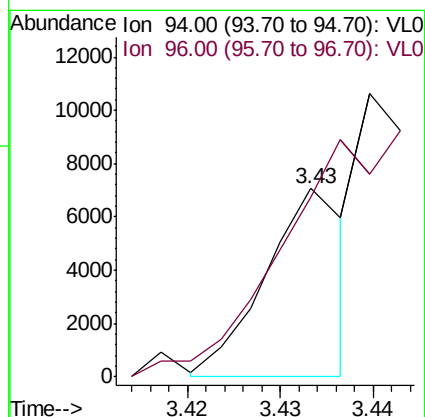
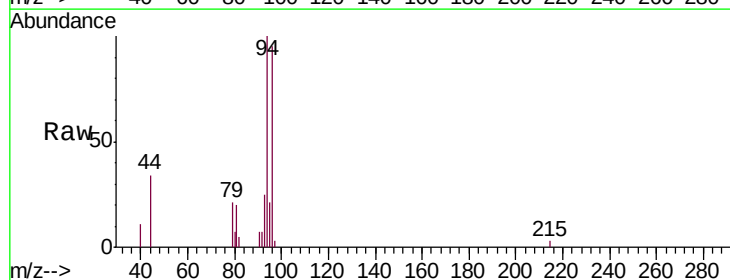
Acq: 10 Mar 2020 22:12

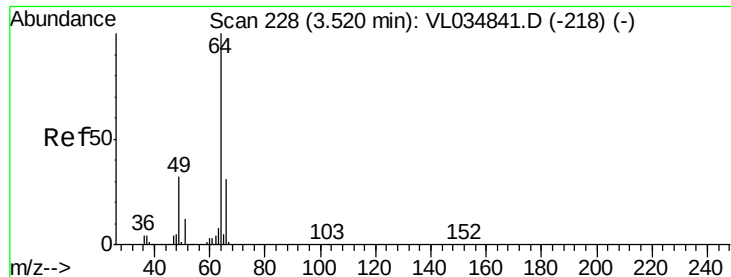
Tgt Ion: 94 Resp: 4206

Ion Ratio Lower Upper

94 100

96 89.1 75.5 113.3





#7

Chloroethane

Concen: 0.228 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

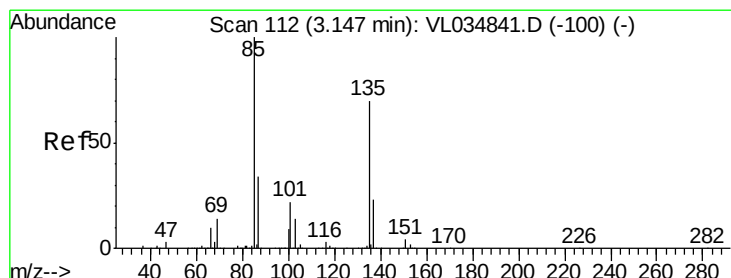
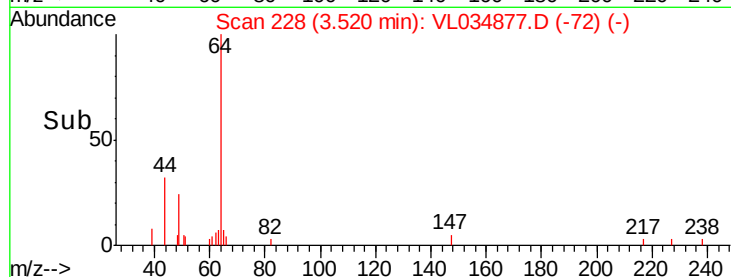
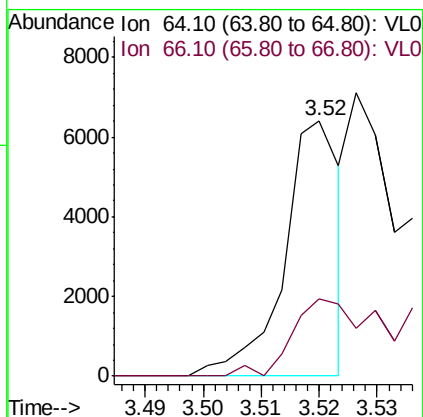
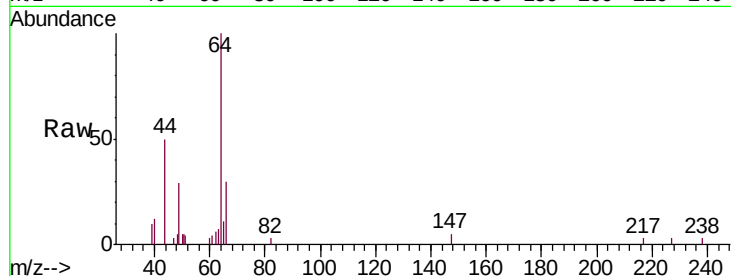
MDL-AIR-01-QT1-2020

Tgt Ion: 64 Resp: 4316

Ion Ratio Lower Upper

64 100

66 30.3 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 0.487 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034877.D

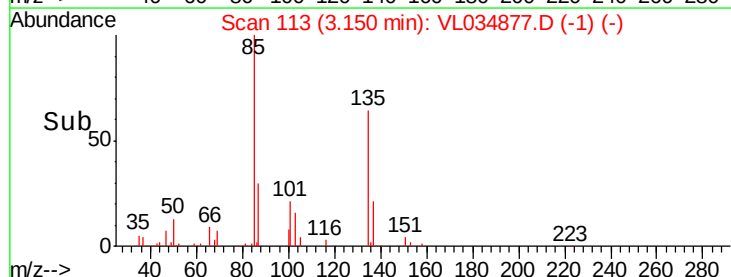
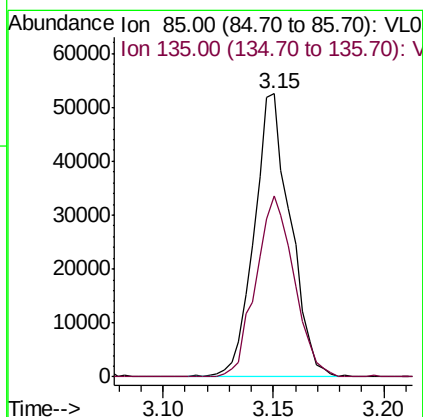
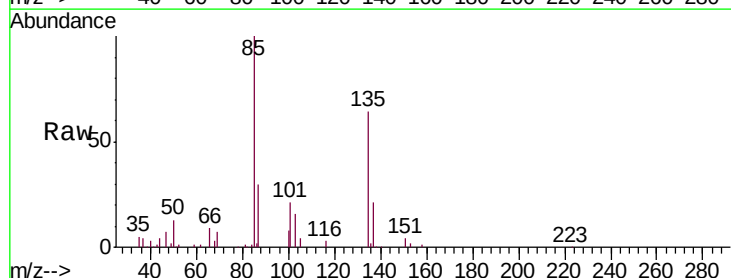
Acq: 10 Mar 2020 22:12

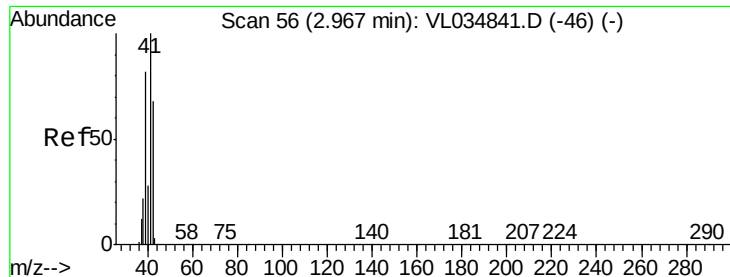
Tgt Ion: 85 Resp: 59812

Ion Ratio Lower Upper

85 100

135 67.3 54.3 81.5





#9

Propene

Concen: 0.209 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

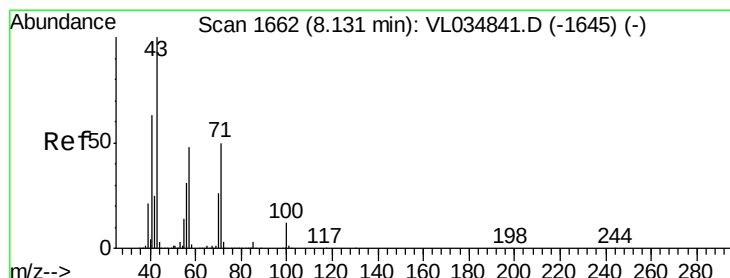
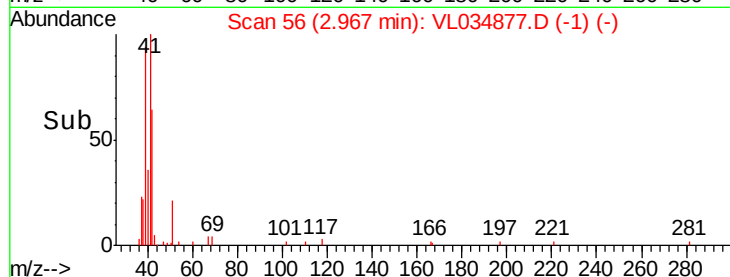
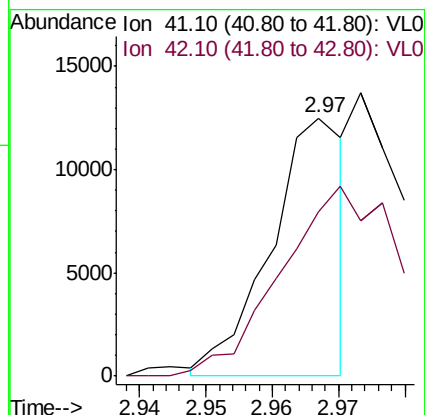
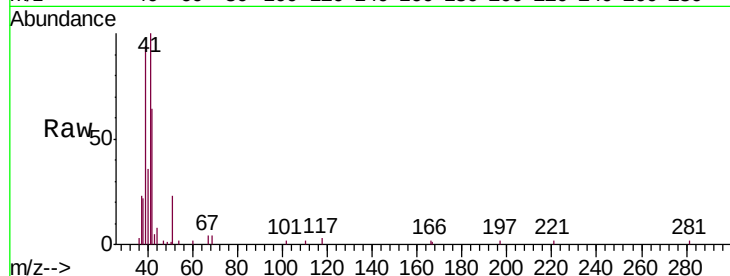
MDL-AIR-01-QT1-2020

Tgt Ion: 41 Resp: 9644

Ion Ratio Lower Upper

41 100

42 0.0 55.2 82.8#



#10

Heptane

Concen: 0.352 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034877.D

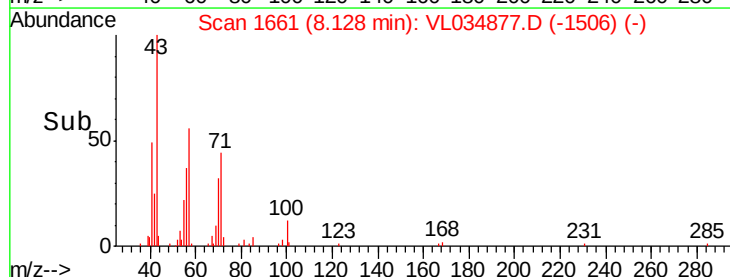
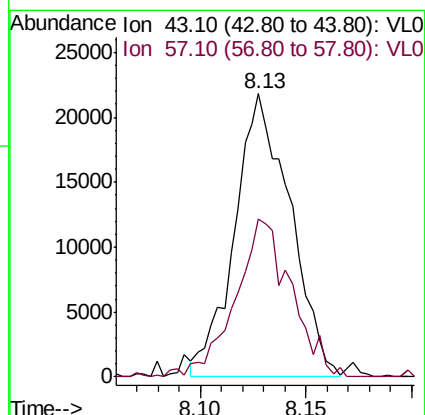
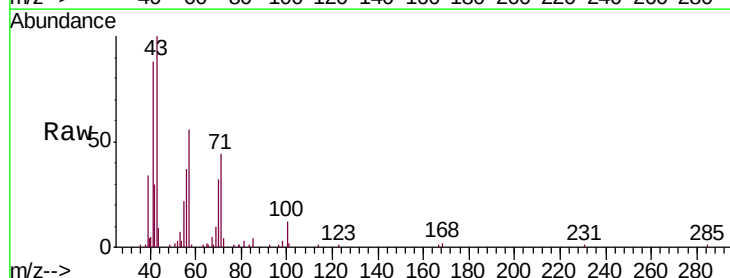
Acq: 10 Mar 2020 22:12

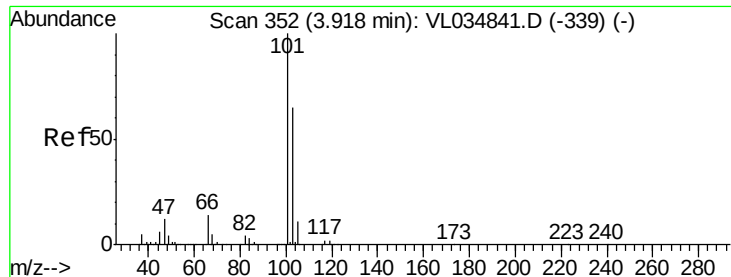
Tgt Ion: 43 Resp: 39907

Ion Ratio Lower Upper

43 100

57 56.3 39.7 59.5

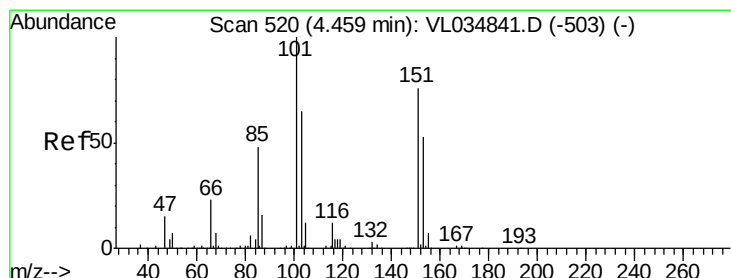
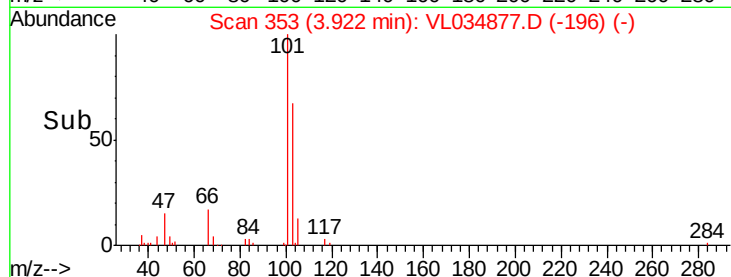
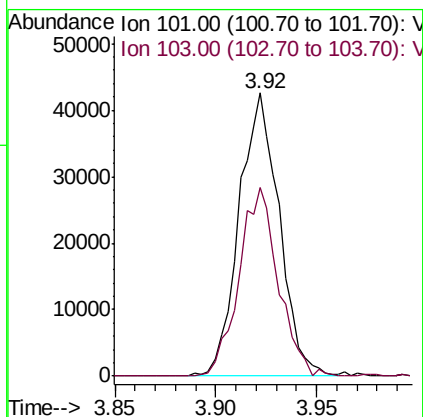
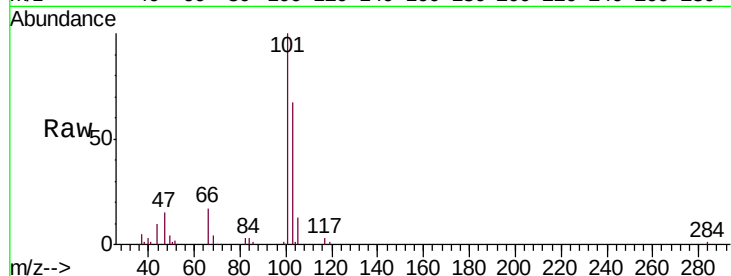




#11
 Trichlorofluoromethane
 Concen: 0.471 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

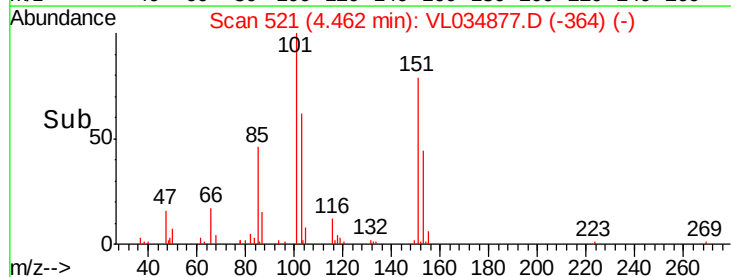
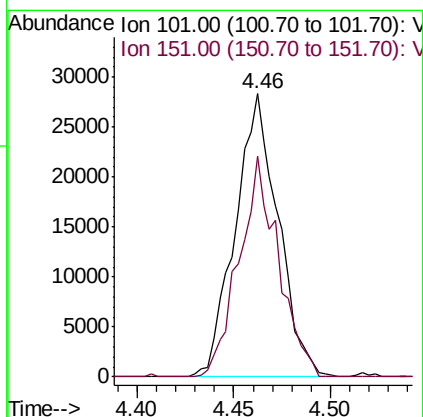
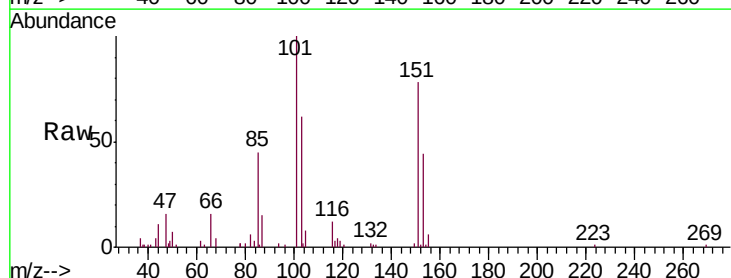
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

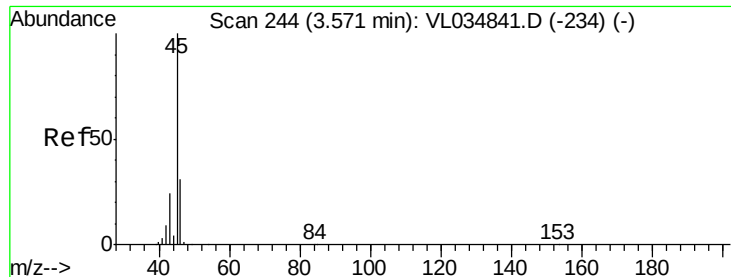
Tgt Ion:101 Resp: 59353
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.497 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion:101 Resp: 43783
 Ion Ratio Lower Upper
 101 100
 151 71.0 60.8 91.2





#13

Ethanol

Concen: 0.129 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

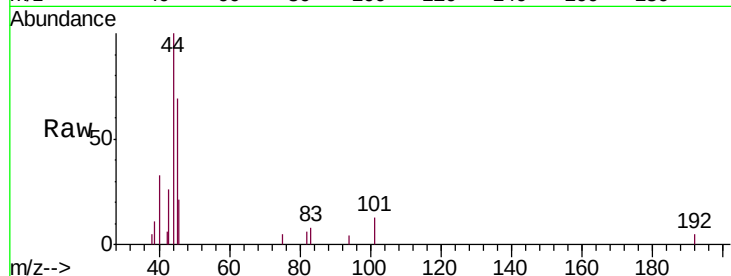
MDL-AIR-01-QT1-2020

Tgt Ion: 45 Resp: 1813

Ion Ratio Lower Upper

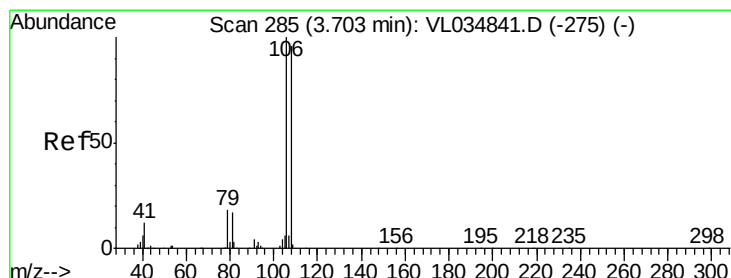
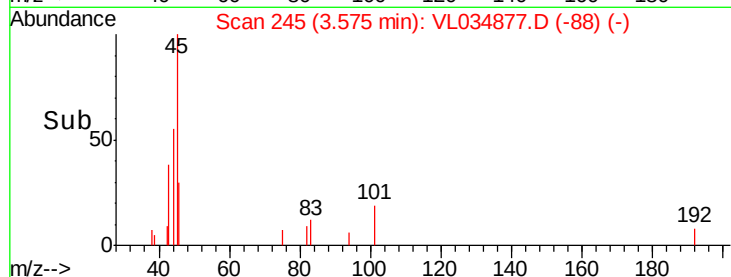
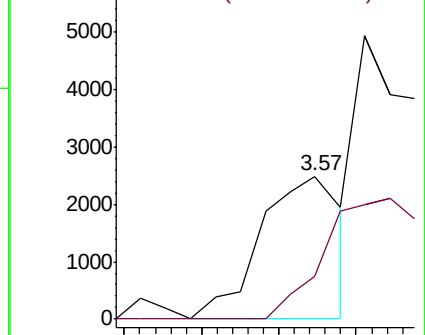
45 100

46 0.0 16.0 64.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.425 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

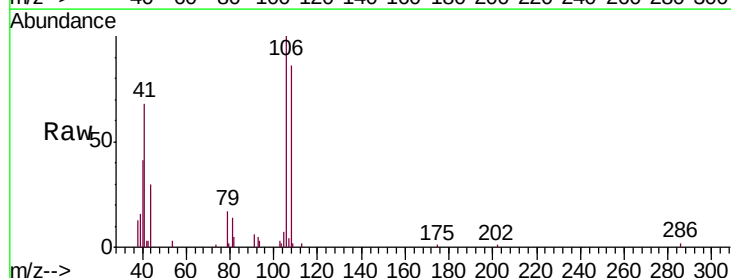
Tgt Ion: 108 Resp: 16167

Ion Ratio Lower Upper

108 100

106 115.4 85.1 127.7

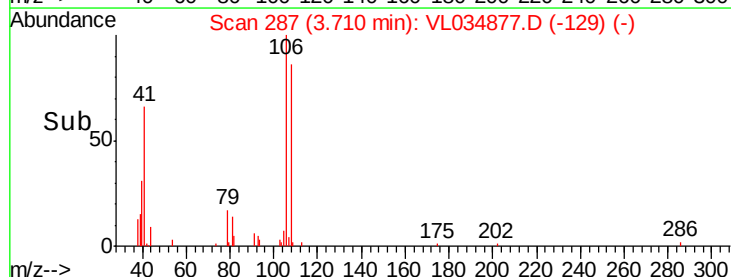
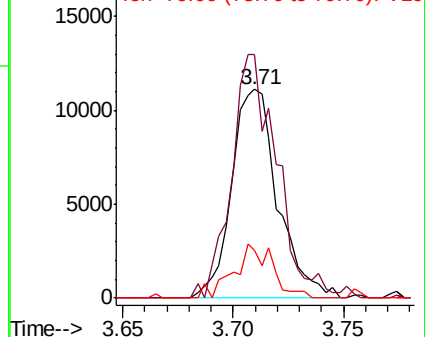
79 22.0 14.7 22.1

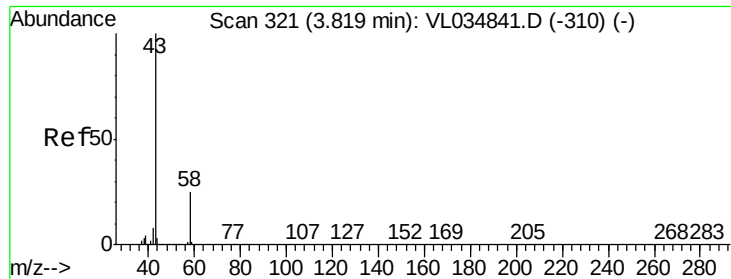


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

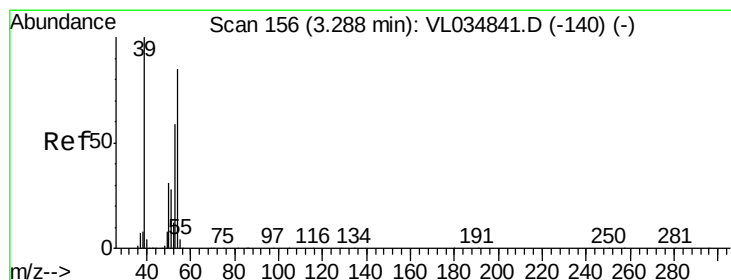
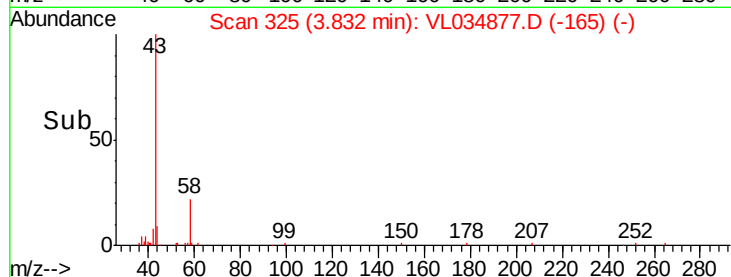
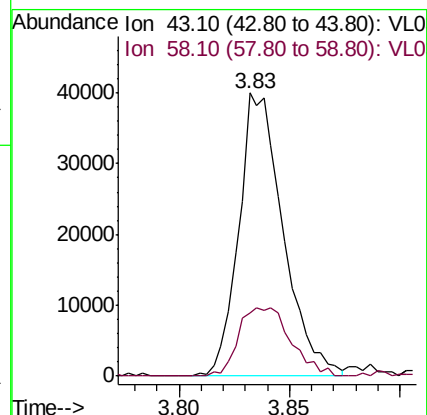
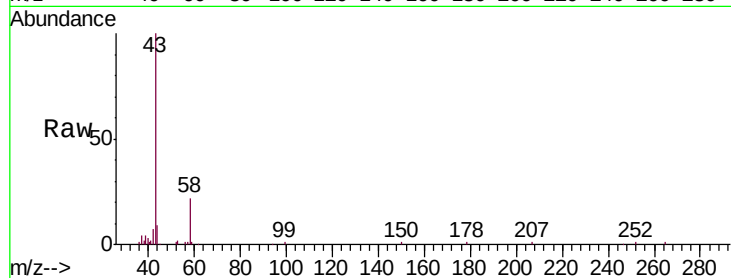




#15
Acetone
Concen: 0.500 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

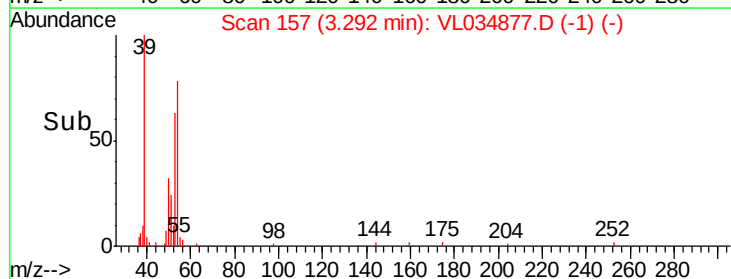
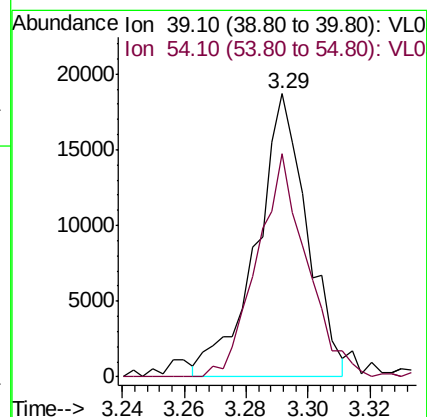
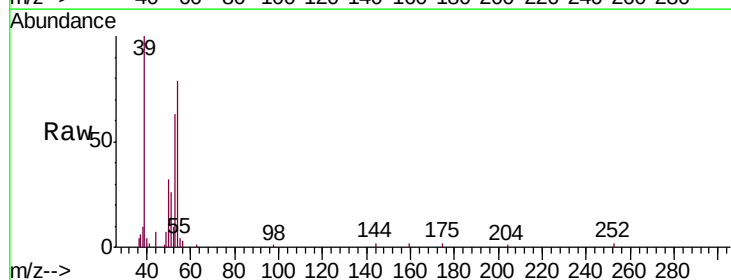
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2020

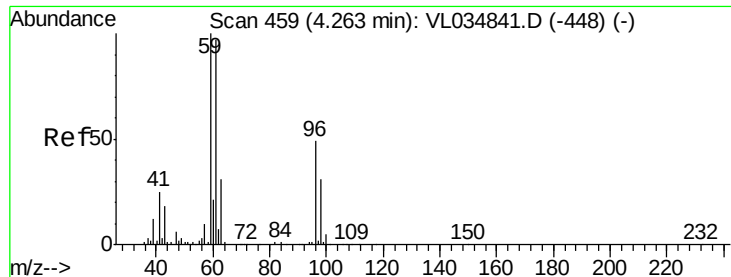
Tgt Ion: 43 Resp: 56000
Ion Ratio Lower Upper
43 100
58 28.3 21.0 31.6



#16
1,3-Butadiene
Concen: 0.419 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.00 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

Tgt Ion: 39 Resp: 21227
Ion Ratio Lower Upper
39 100
54 77.6 65.0 97.6





#17

tert-Butyl alcohol

Concen: 0.215 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.02 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

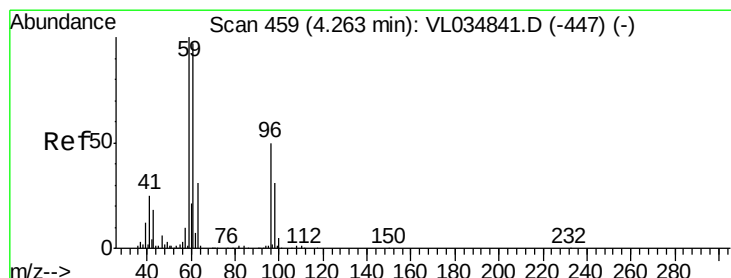
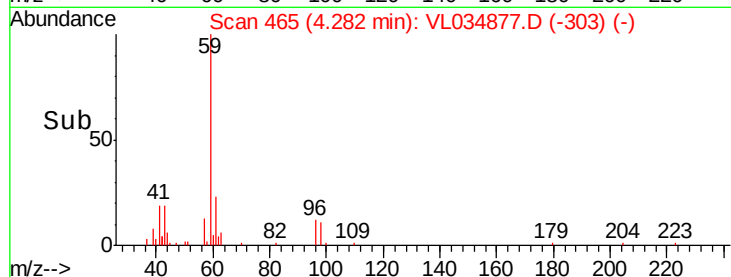
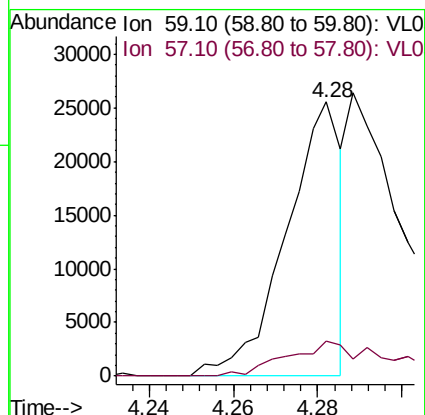
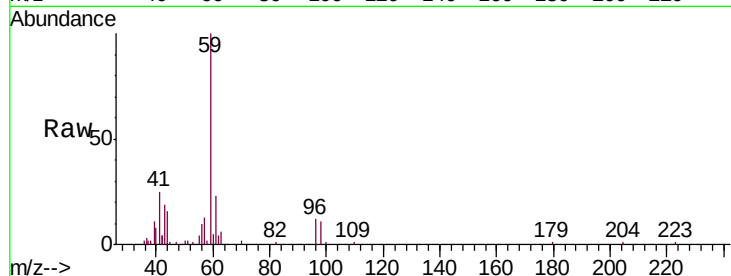
MDL-AIR-01-QT1-2020

Tgt Ion: 59 Resp: 23211

Ion Ratio Lower Upper

59 100

57 25.0 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.454 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

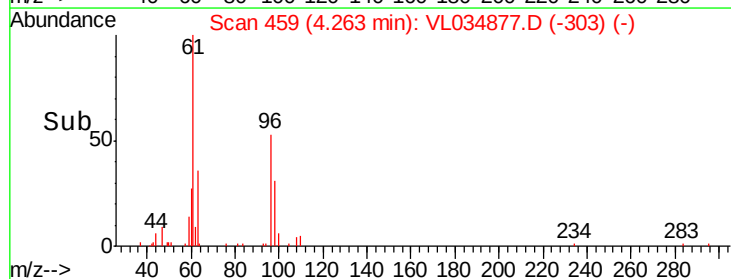
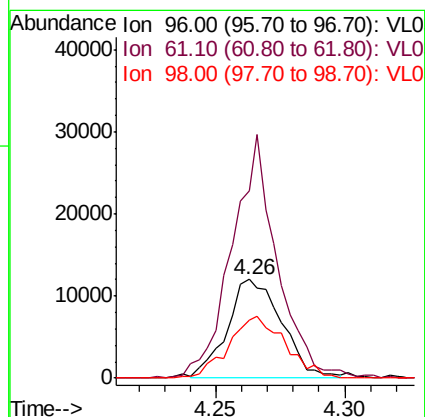
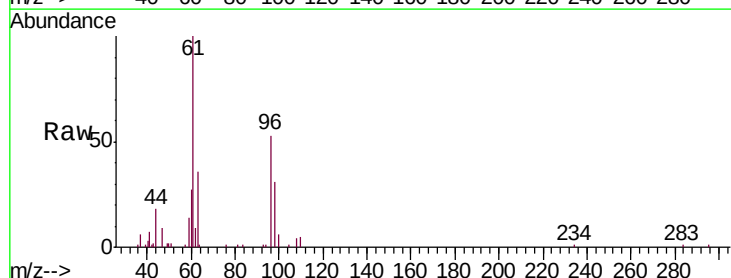
Tgt Ion: 96 Resp: 17716

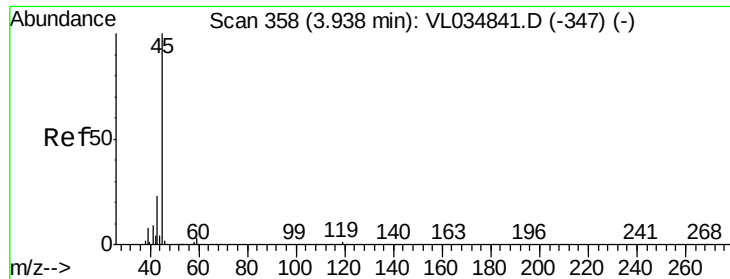
Ion Ratio Lower Upper

96 100

61 184.4 157.3 235.9

98 60.3 50.2 75.4

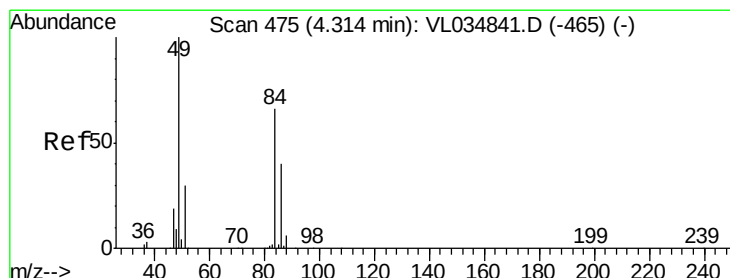
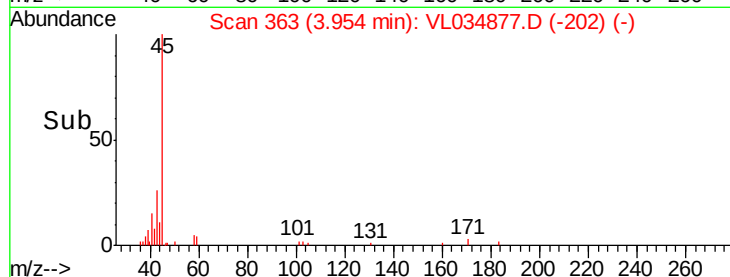
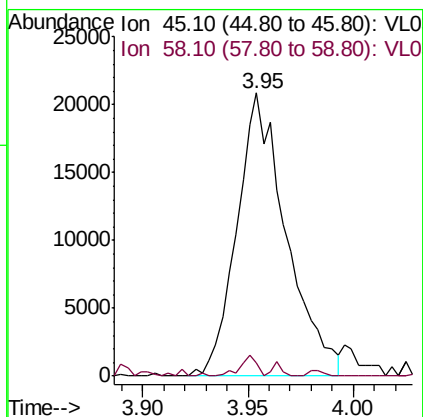
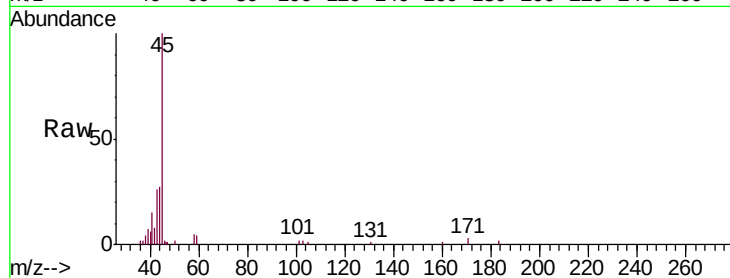




#19
Isopropyl Alcohol
Concen: 0.480 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.02 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

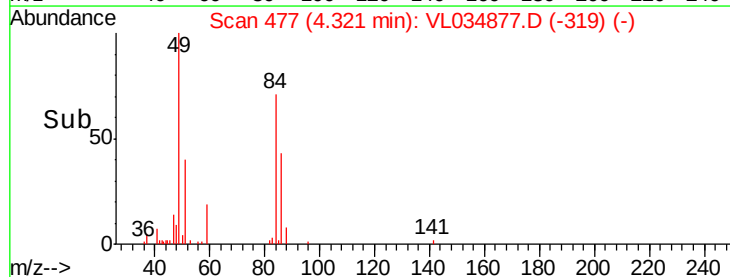
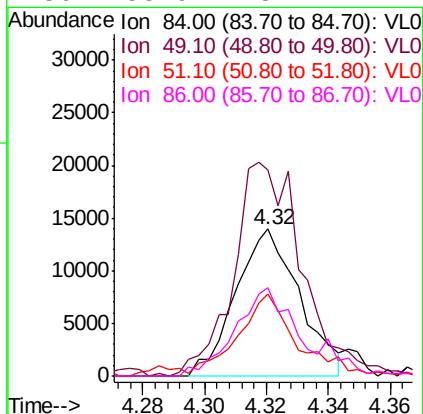
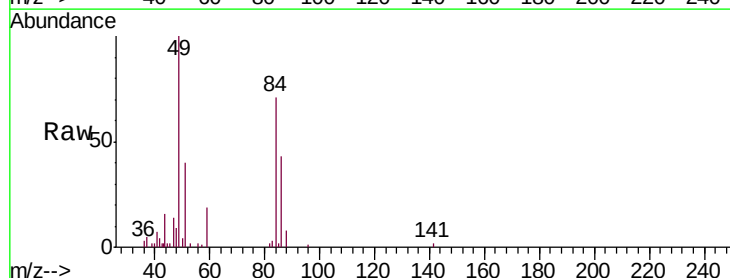
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2020

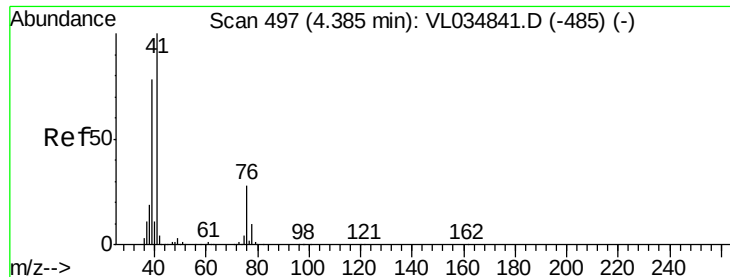
Tgt Ion: 45 Resp: 33926
Ion Ratio Lower Upper
45 100
58 4.5 30.5 45.7#



#20
Methylene Chloride
Concen: 0.566 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

Tgt Ion: 84 Resp: 20027
Ion Ratio Lower Upper
84 100
49 129.4 121.5 182.3
51 54.0 36.6 55.0
86 53.9 48.2 72.2

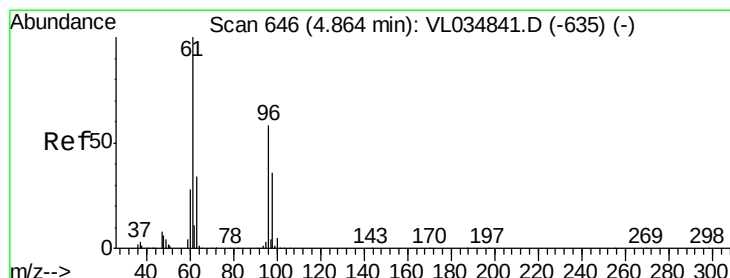
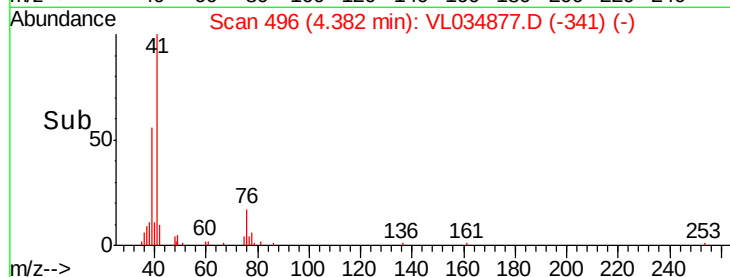
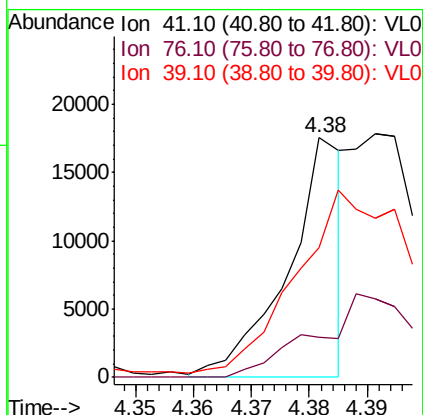
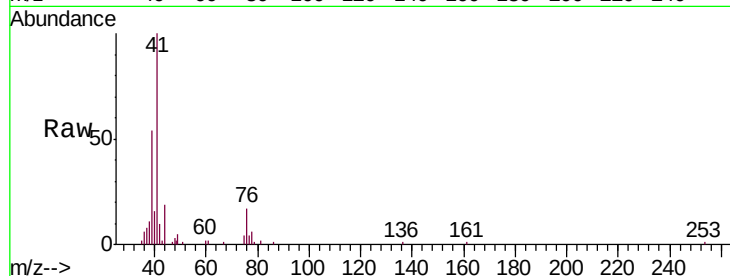




#21
 Allyl Chloride
 Concen: 0.162 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

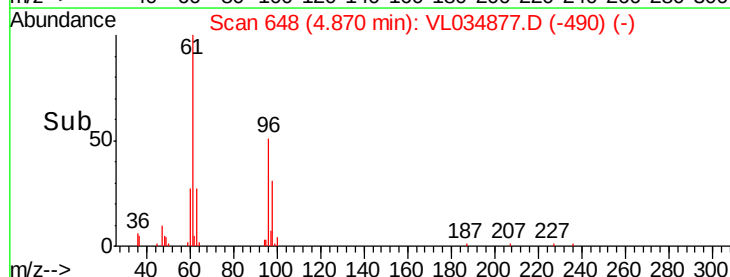
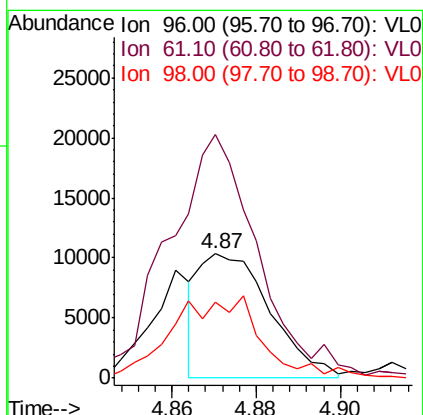
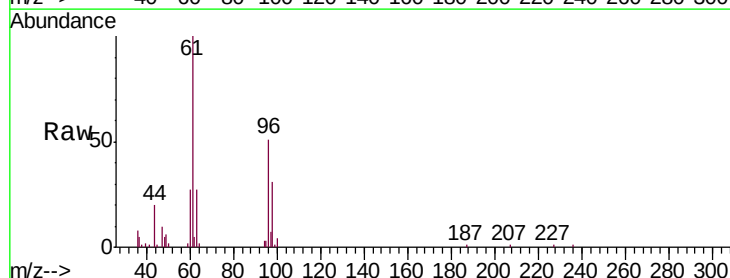
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

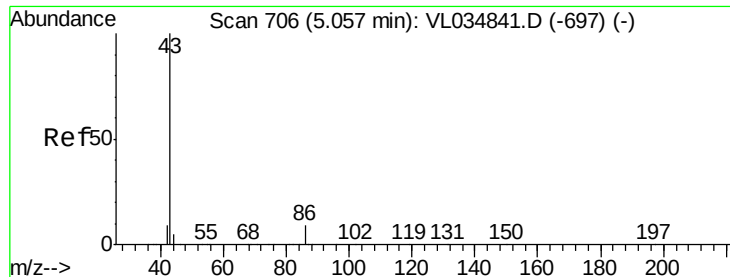
Tgt Ion: 41 Resp: 11664
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.2 33.2#
 39 0.0 62.6 93.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.303 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. 0.01 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion: 96 Resp: 12011
 Ion Ratio Lower Upper
 96 100
 61 192.3 139.0 208.6
 98 53.8 50.3 75.5





#23

Vinyl Acetate

Concen: 0.350 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

Tgt Ion: 43 Resp: 57852

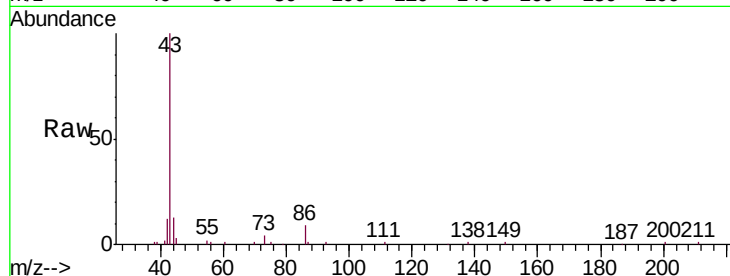
Ion Ratio Lower Upper

43 100

86 9.6 6.3 9.5#

42 12.2 7.8 11.8#

44 9.2 4.0 6.0#

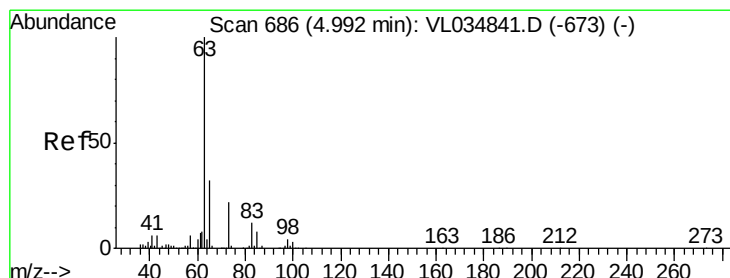
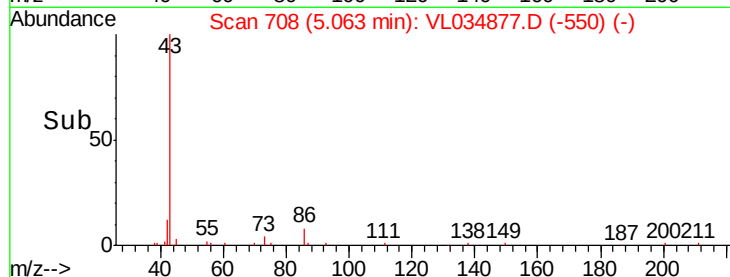
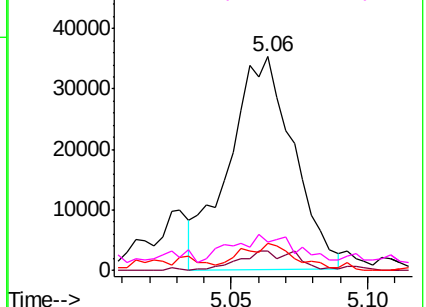


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.284 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

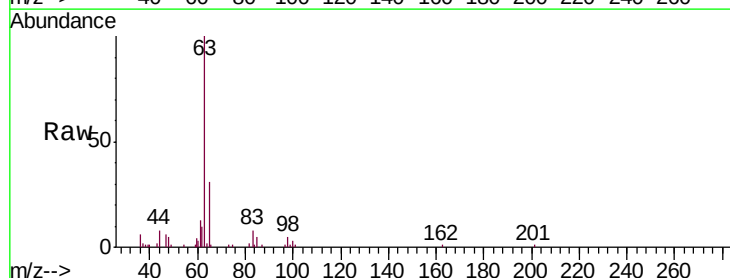
Tgt Ion: 63 Resp: 31474

Ion Ratio Lower Upper

63 100

98 5.6 2.0 5.8

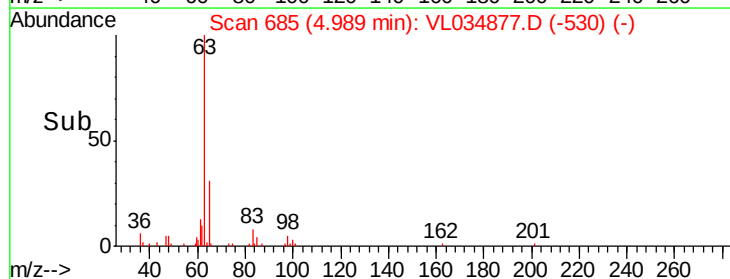
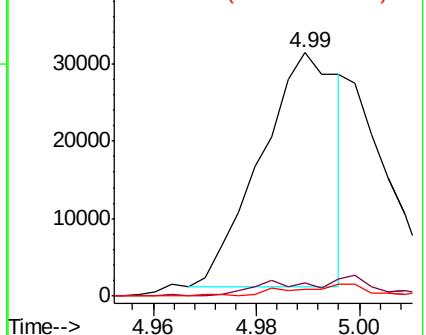
100 3.0 1.4 4.0

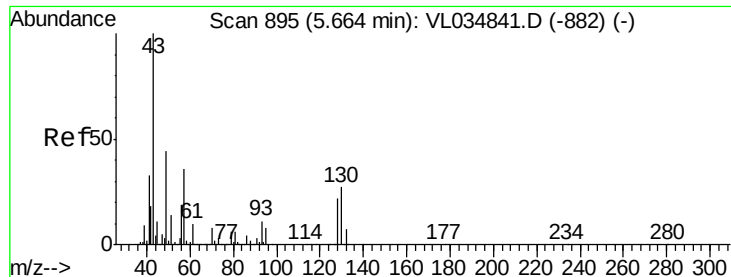


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

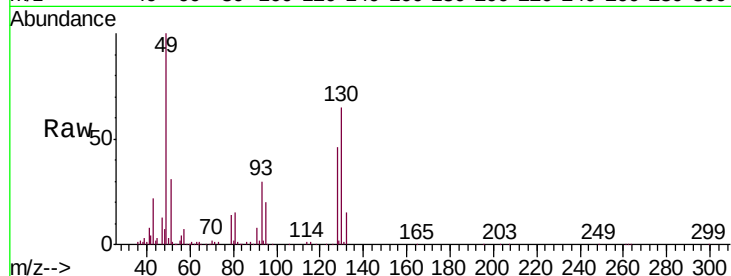




#25
Ethyl Acetate
Concen: 0.426 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2020

Tgt Ion:	43	Resp:	84942
Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.2	12.2
61	9.6	7.8	11.6
70	8.2	5.8	8.8



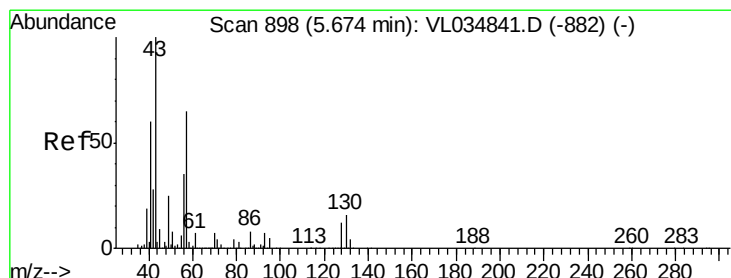
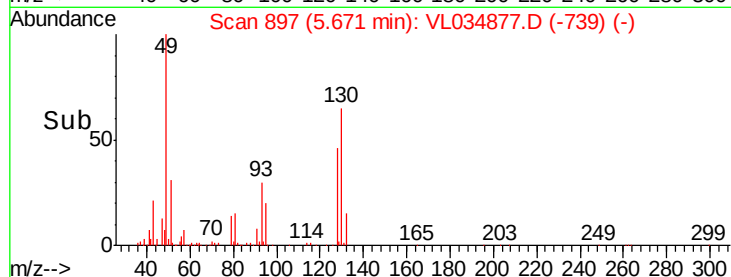
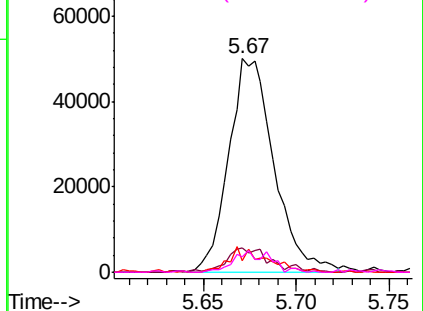
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

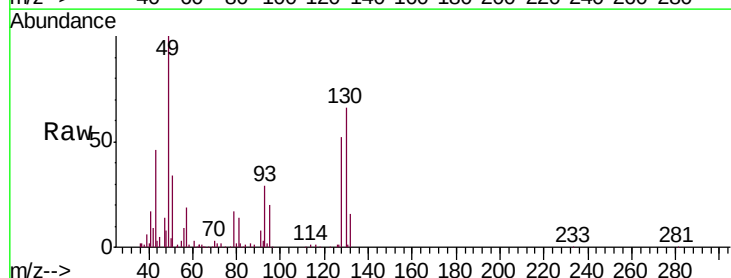
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.389 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

Tgt Ion:	57	Resp:	33384
Ion	Ratio	Lower	Upper
57	100		
41	105.8	72.6	109.0
43	258.5	183.8	275.6
56	58.3	41.9	62.9



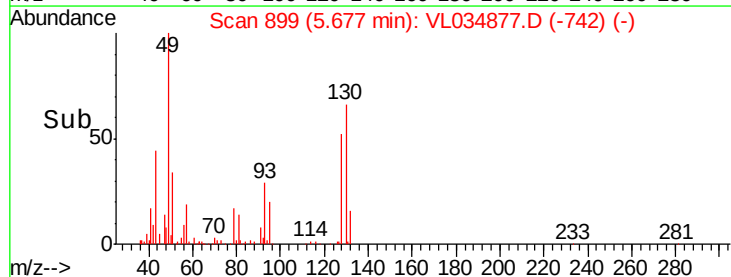
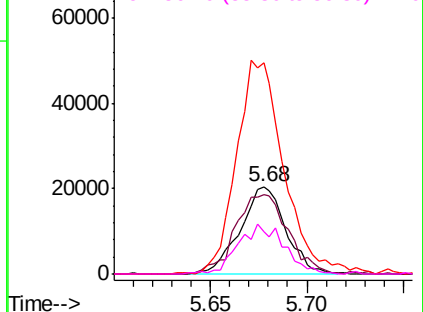
Abundance

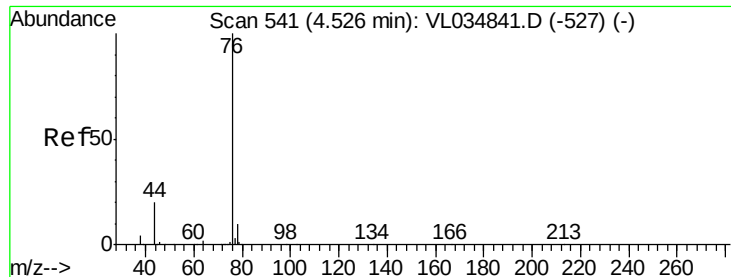
Ion 57.10 (56.80 to 57.80): VL0

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: 0.126 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

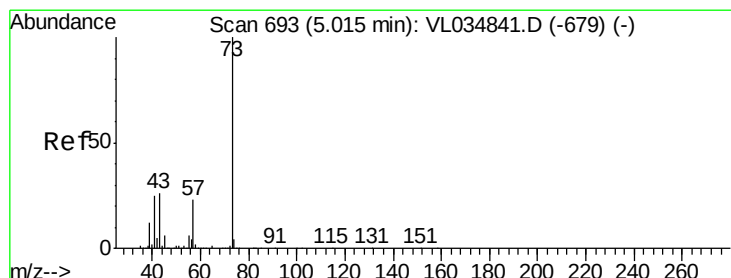
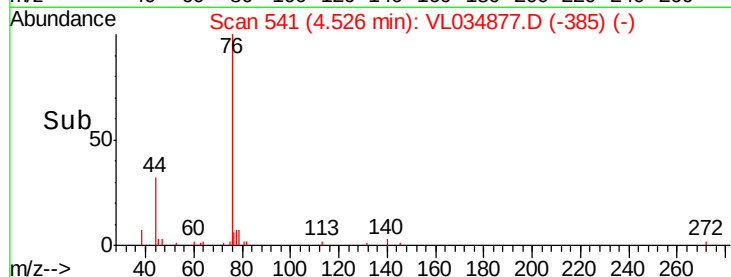
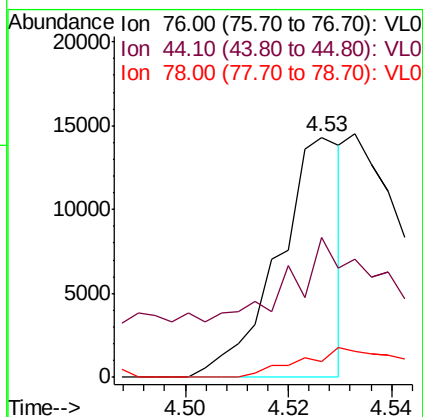
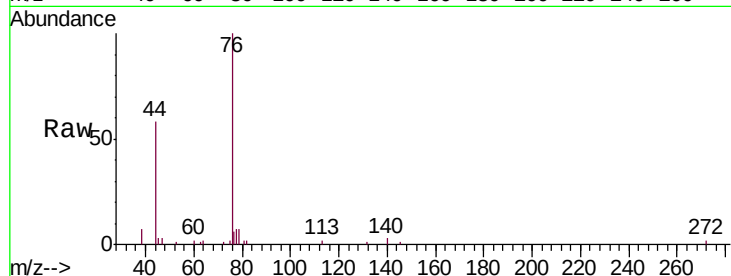
Tgt Ion: 76 Resp: 12251

Ion Ratio Lower Upper

76 100

44 79.4 16.2 24.2#

78 0.0 7.8 11.6#



#28

Methyl tert-Butyl Ether

Concen: 0.374 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.02 min

Lab File: VL034877.D

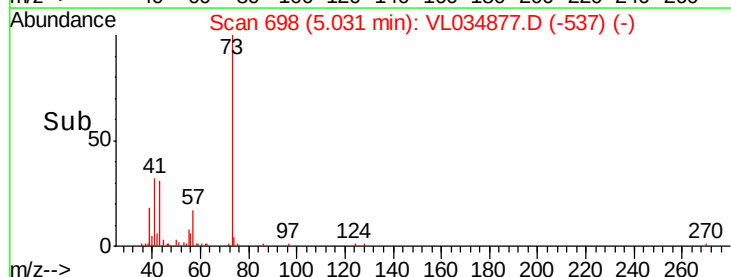
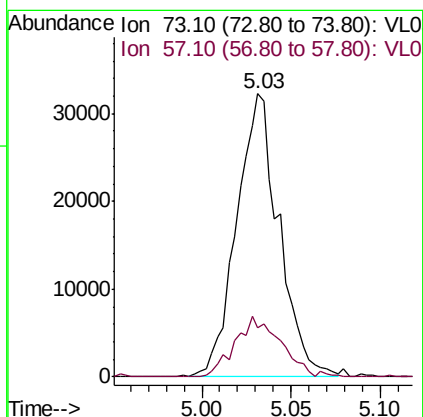
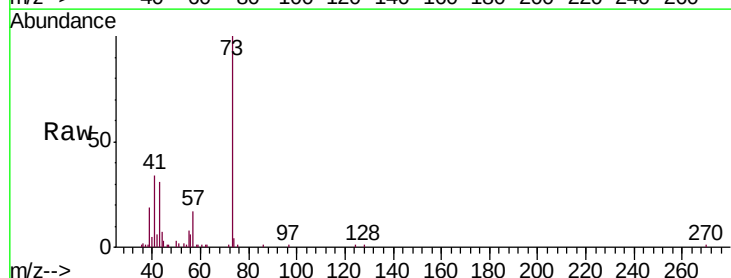
Acq: 10 Mar 2020 22:12

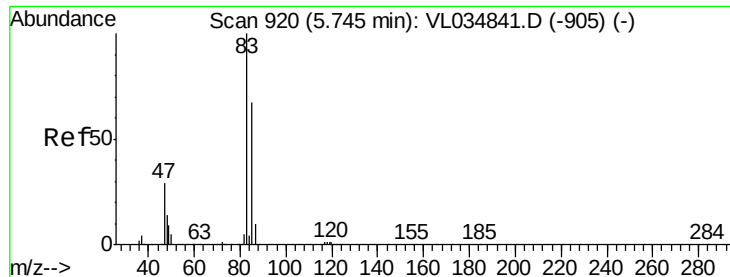
Tgt Ion: 73 Resp: 53408

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5

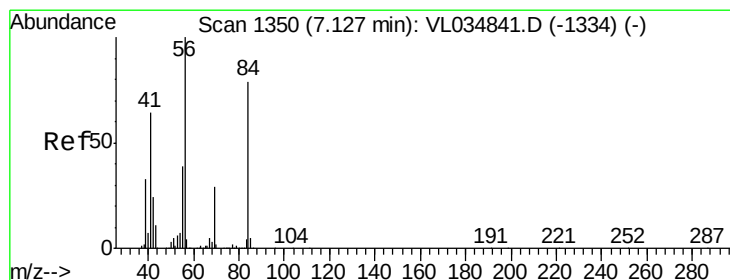
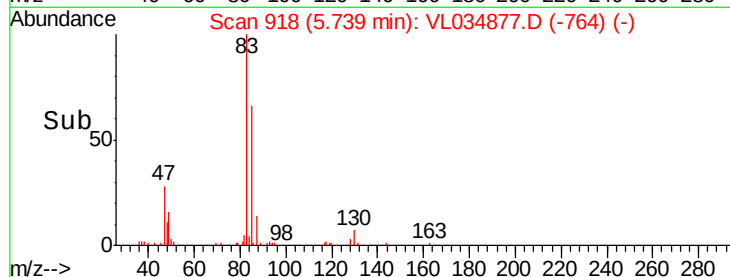
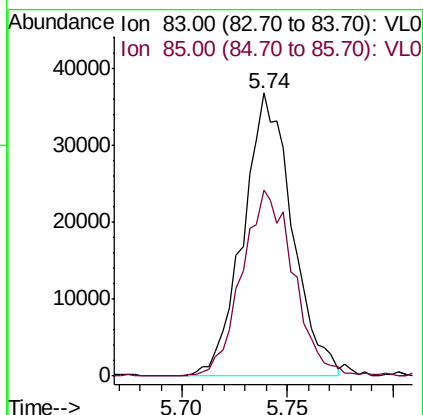
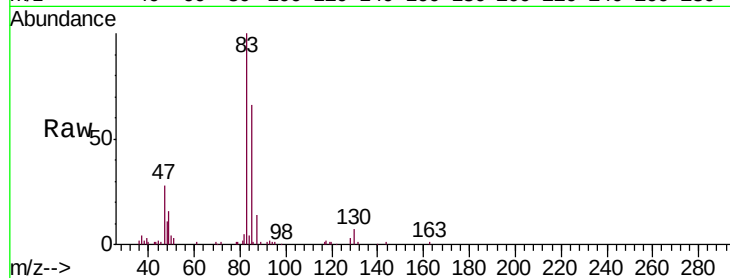




#29
Chloroform
Concen: 0.452 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

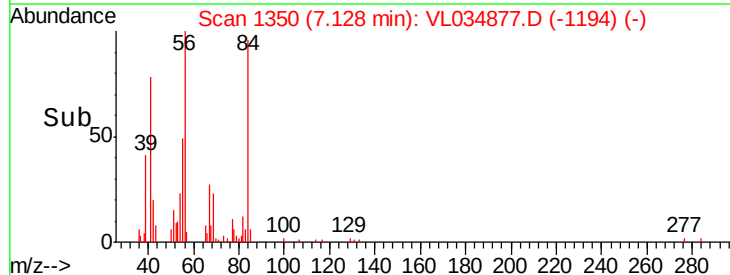
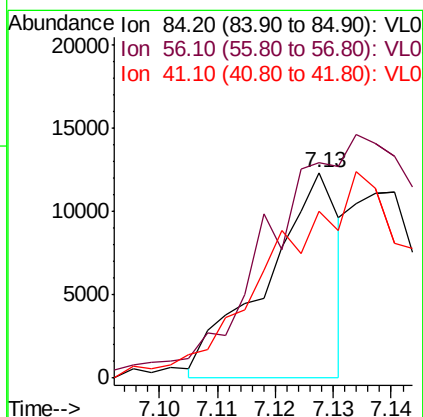
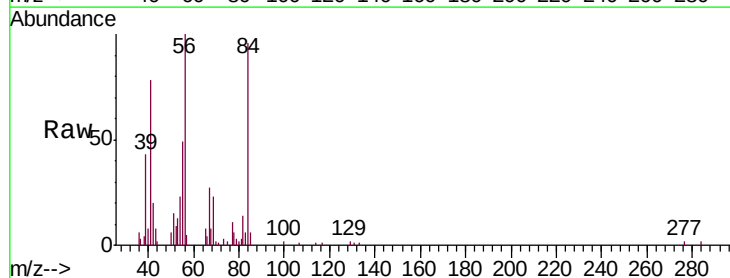
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2020

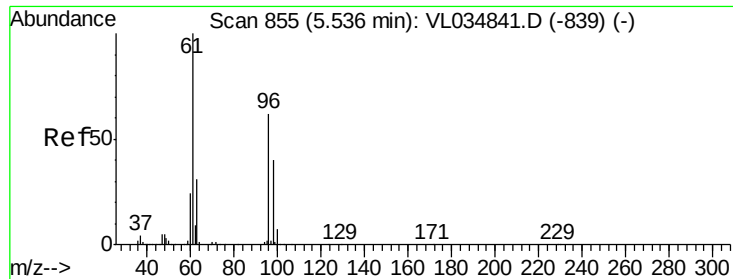
Tgt Ion: 83 Resp: 59283
Ion Ratio Lower Upper
83 100
85 65.5 53.8 80.6



#30
Cyclohexane
Concen: 0.150 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

Tgt Ion: 84 Resp: 10780
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 0.0 68.2 102.4#



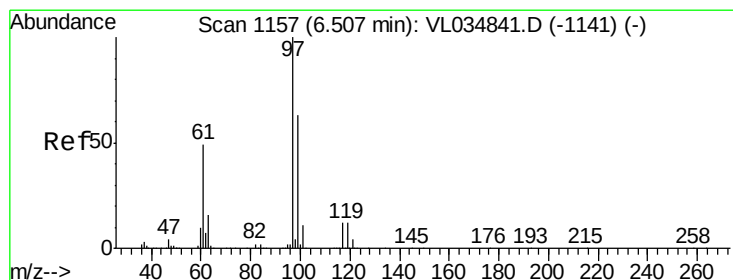
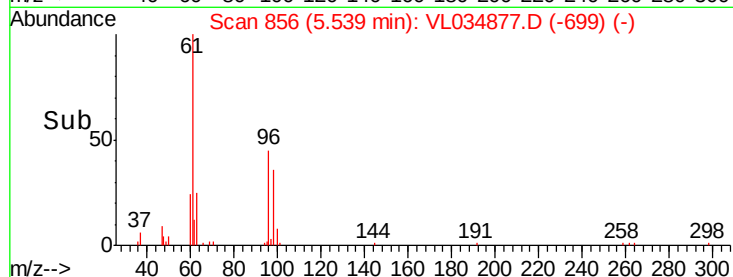
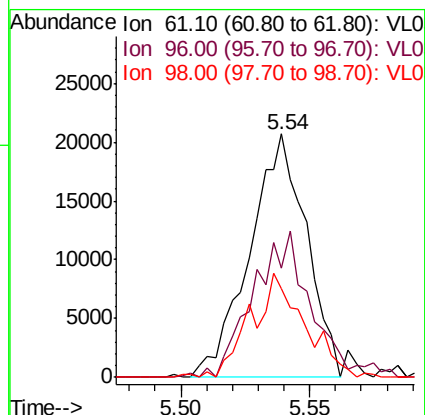
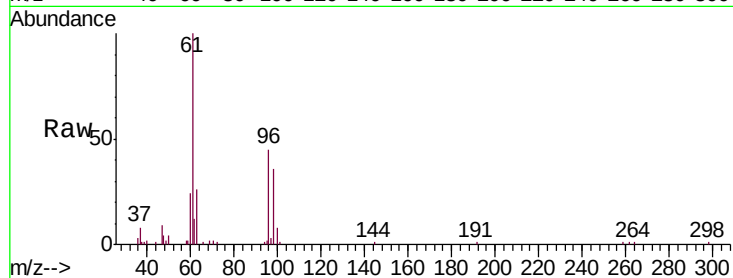


#31

cis-1,2-Dichloroethene
 Concen: 0.361 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

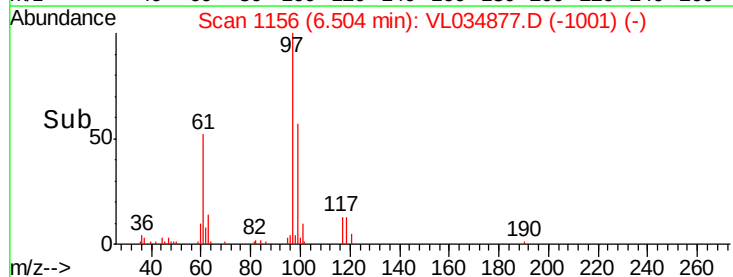
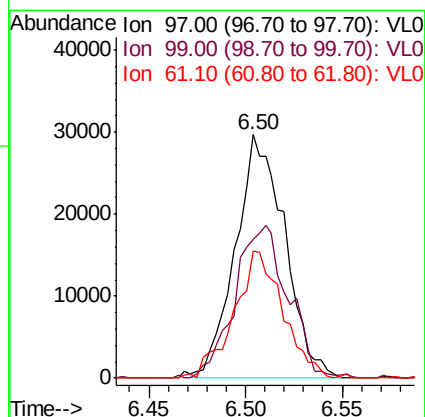
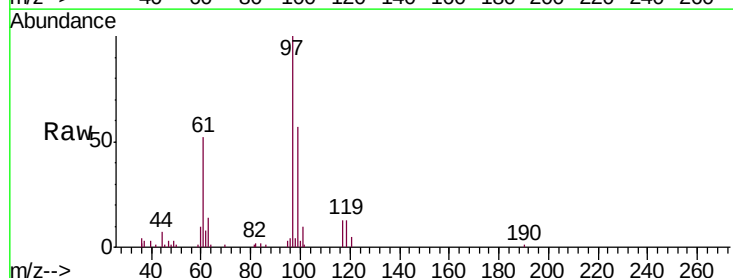
Tgt Ion: 61 Resp: 31728
 Ion Ratio Lower Upper
 61 100
 96 43.5 49.8 74.8#
 98 35.0 32.2 48.4

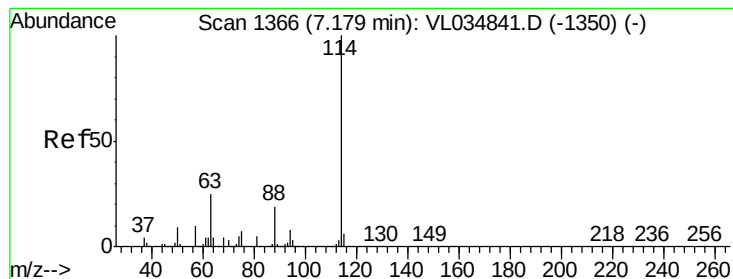


#32

1,1,1-Trichloroethane
 Concen: 0.412 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion: 97 Resp: 52667
 Ion Ratio Lower Upper
 97 100
 99 68.0 51.1 76.7
 61 51.8 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

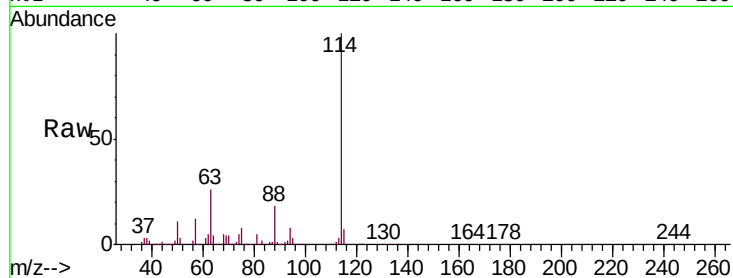
Tgt Ion:114 Resp: 1938114

Ion Ratio Lower Upper

114 100

63 26.5 20.6 31.0

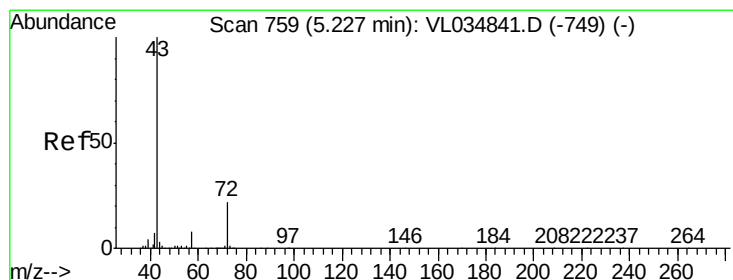
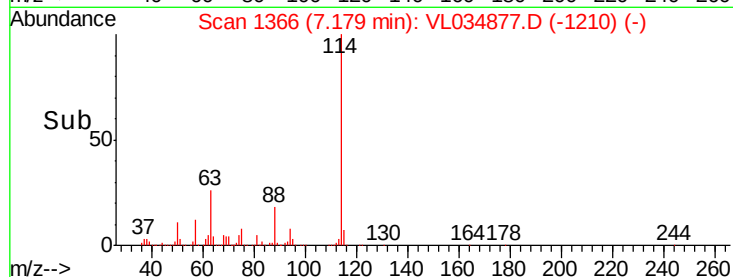
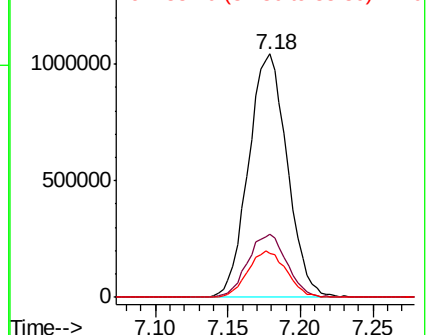
88 19.3 15.0 22.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.396 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.02 min

Lab File: VL034877.D

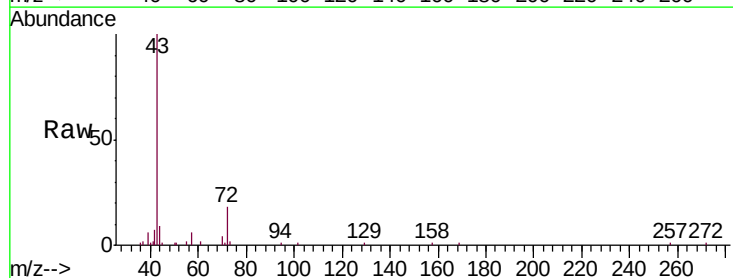
Acq: 10 Mar 2020 22:12

Tgt Ion: 43 Resp: 50989

Ion Ratio Lower Upper

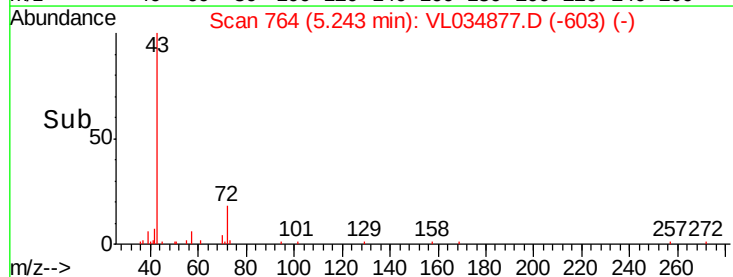
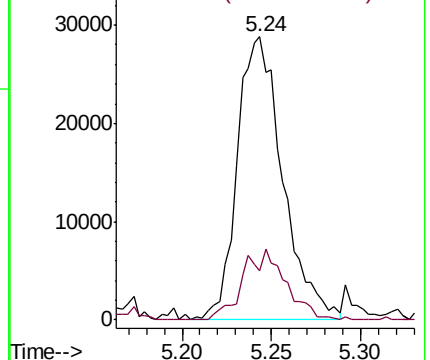
43 100

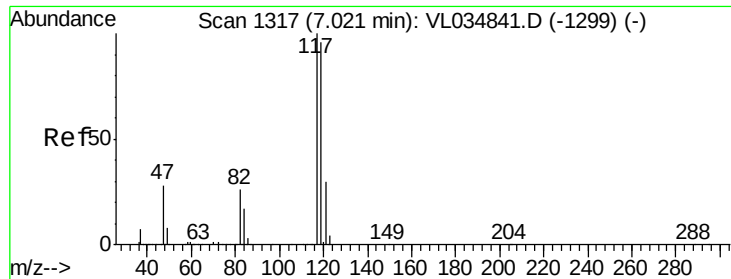
72 23.9 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.408 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

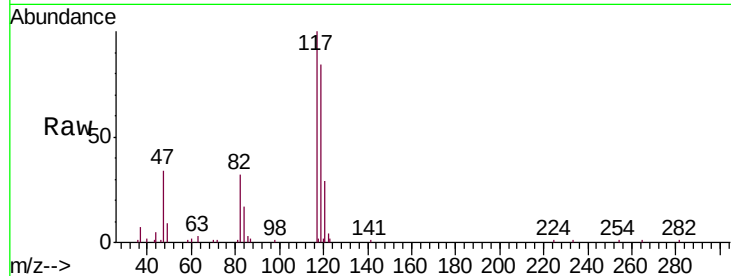
Tgt Ion:117 Resp: 49209

Ion Ratio Lower Upper

117 100

119 86.5 77.0 115.4

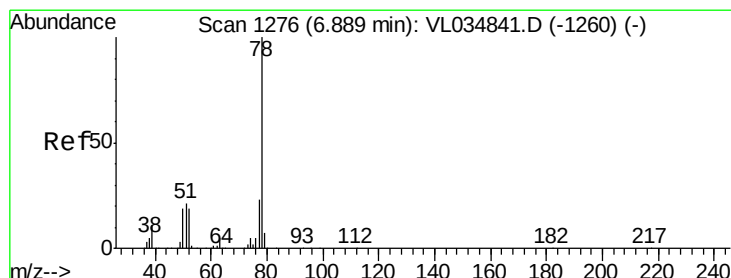
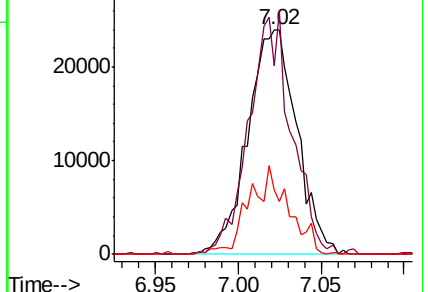
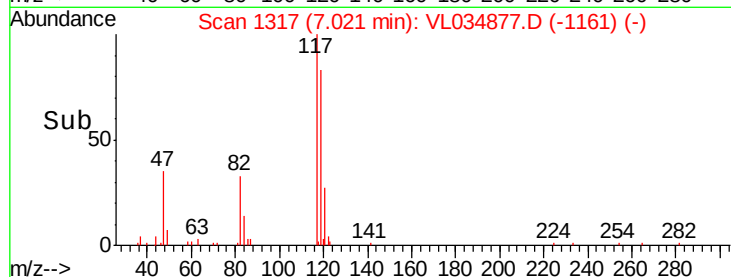
121 28.9 24.0 36.0



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: 0.386 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

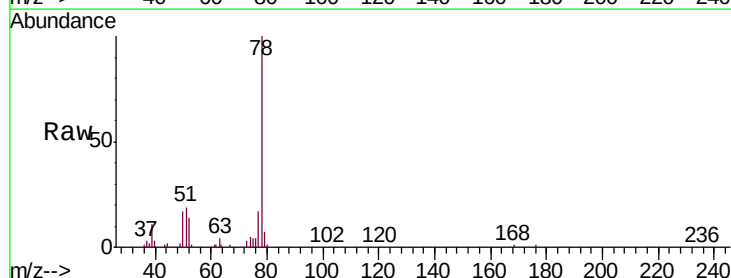
Tgt Ion: 78 Resp: 66639

Ion Ratio Lower Upper

78 100

77 16.9 18.2 27.2#

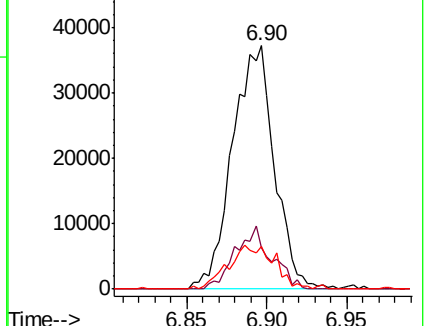
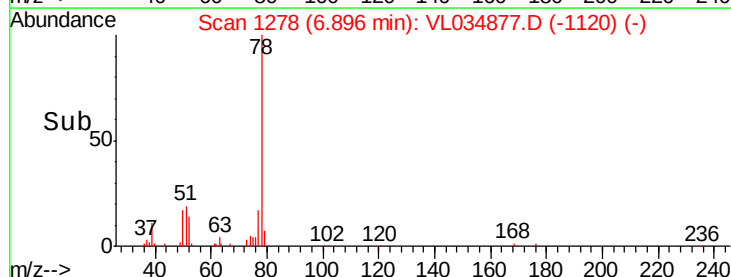
50 17.5 15.2 22.8

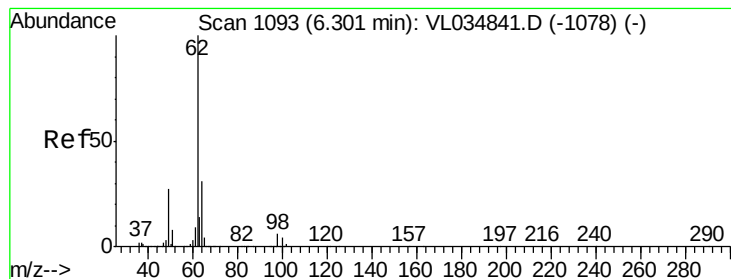


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.467 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

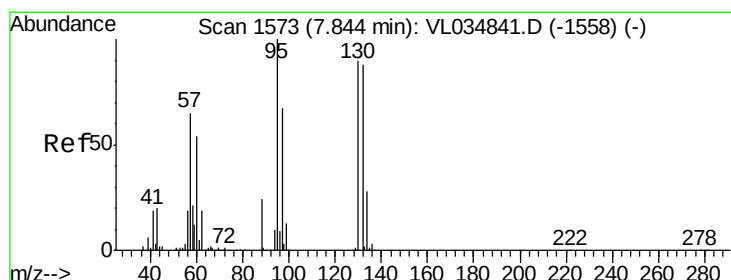
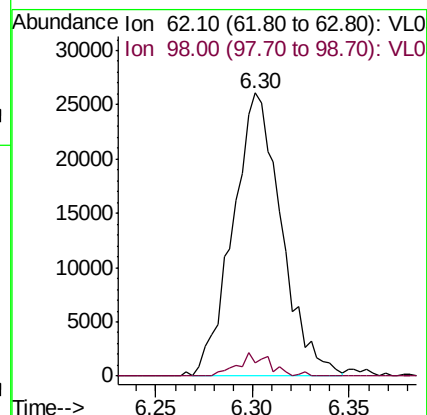
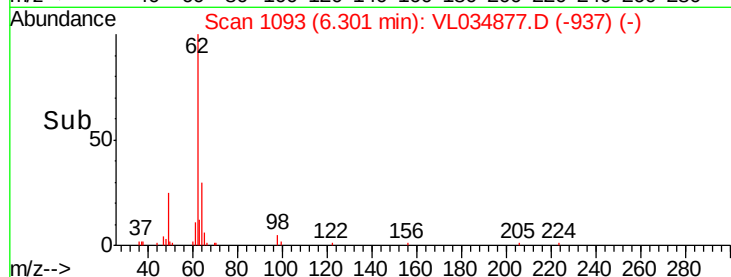
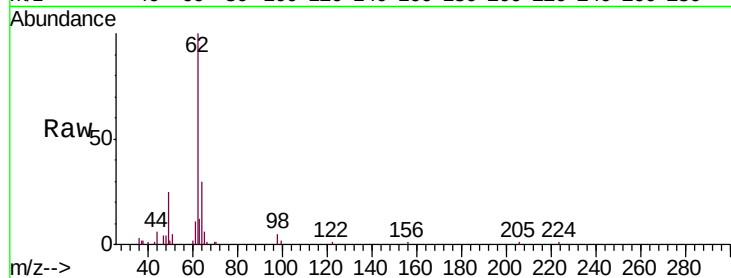
MDL-AIR-01-QT1-2020

Tgt Ion: 62 Resp: 45532

Ion Ratio Lower Upper

62 100

98 5.3 5.2 7.8



#38

Trichloroethene

Concen: 0.273 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Tgt Ion: 130 Resp: 17900

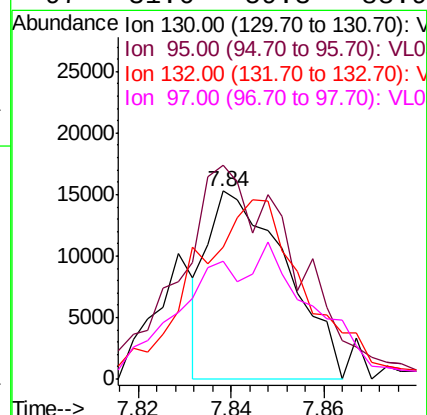
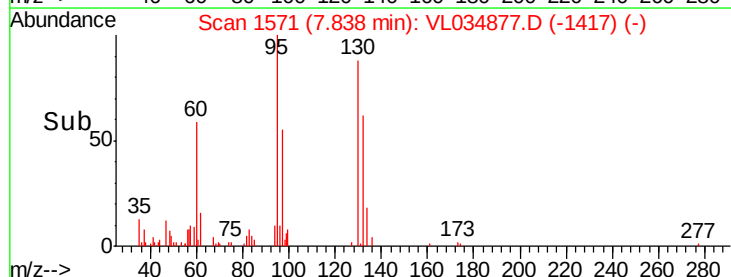
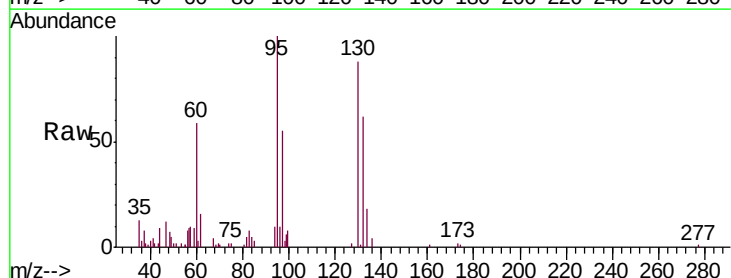
Ion Ratio Lower Upper

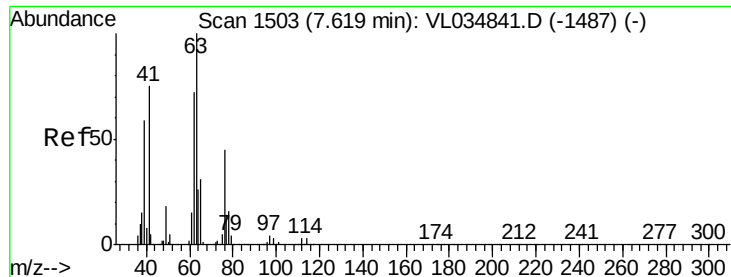
130 100

95 93.1 88.5 132.7

132 44.7 78.0 117.0#

97 31.6 59.3 88.9#





#39

1,2-Dichloropropane

Concen: 0.282 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

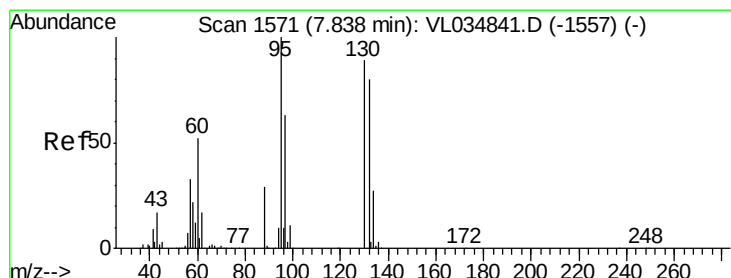
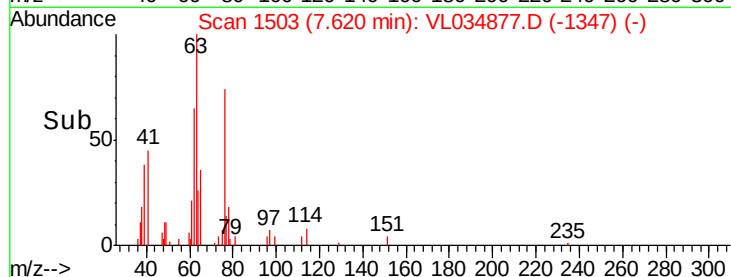
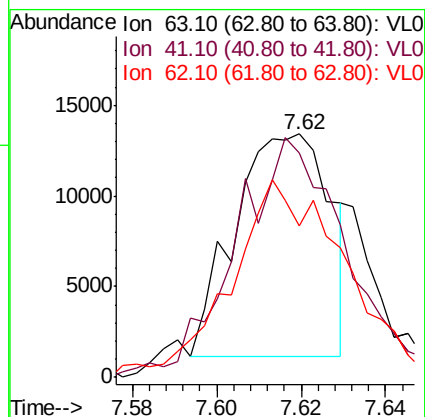
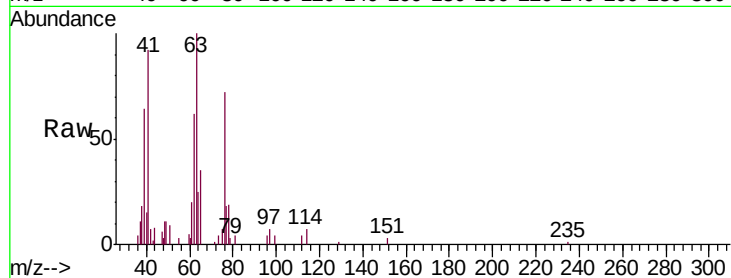
Tgt Ion: 63 Resp: 19276

Ion Ratio Lower Upper

63 100

41 73.8 59.8 89.8

62 51.2 57.6 86.4#



#40

1,4-Dioxane

Concen: 0.025 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Tgt Ion: 88 Resp: 644

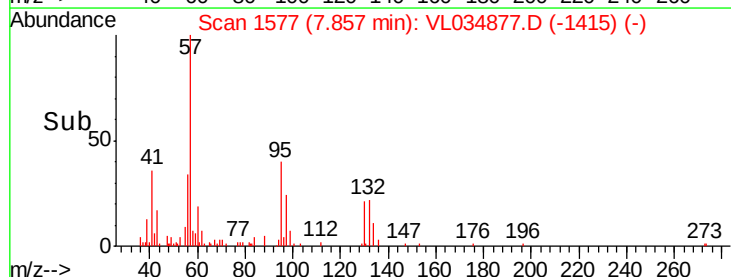
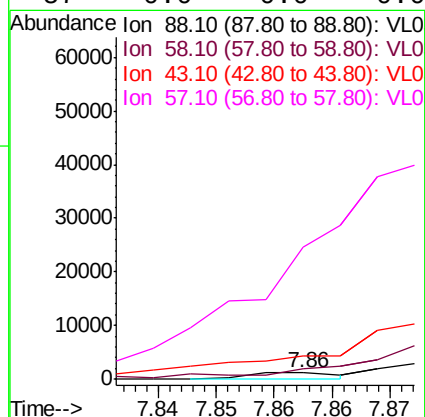
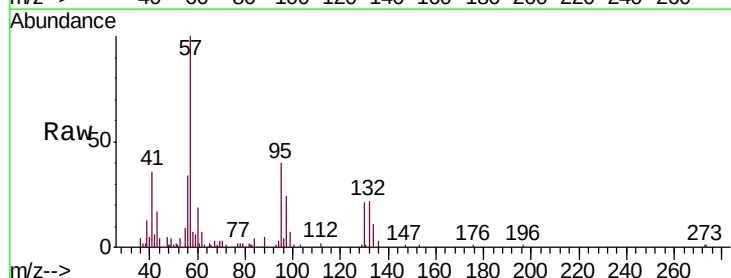
Ion Ratio Lower Upper

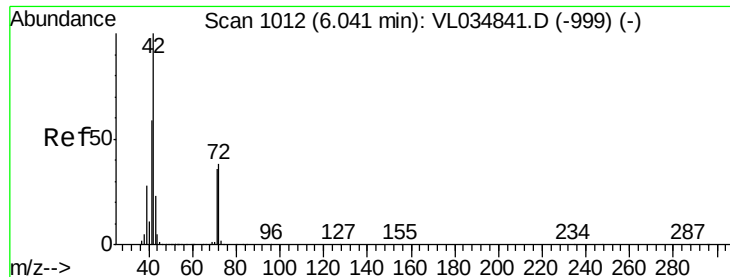
88 100

58 0.0 103.9 155.9#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.171 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.02 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

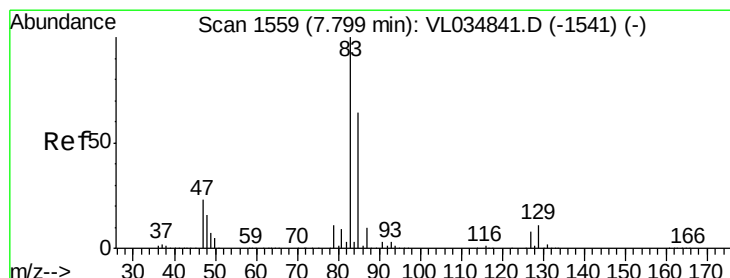
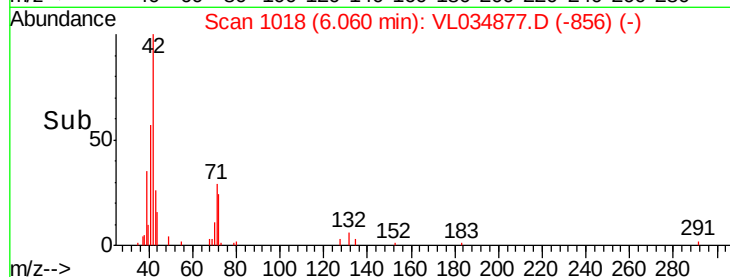
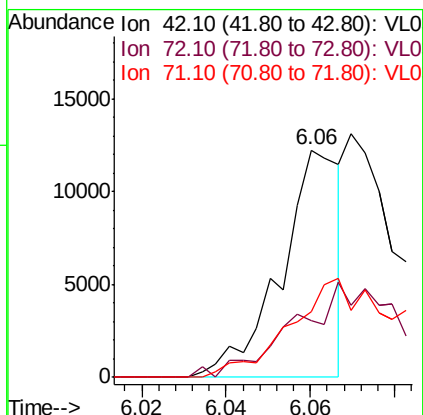
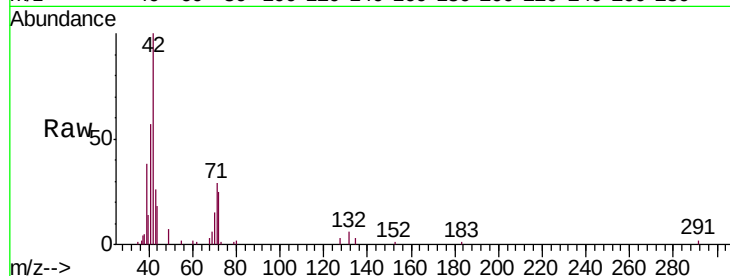
Tgt Ion: 42 Resp: 11883

Ion Ratio Lower Upper

42 100

72 0.0 30.8 46.2#

71 0.0 30.1 45.1#



#42

Bromodichloromethane

Concen: 0.175 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

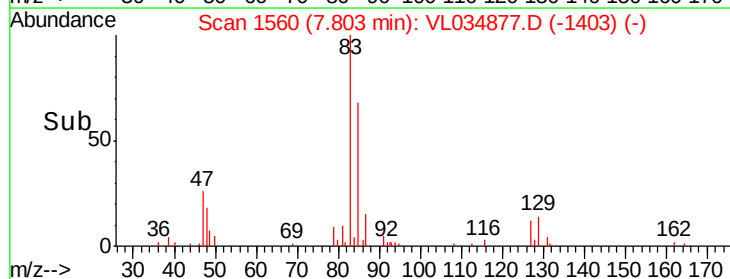
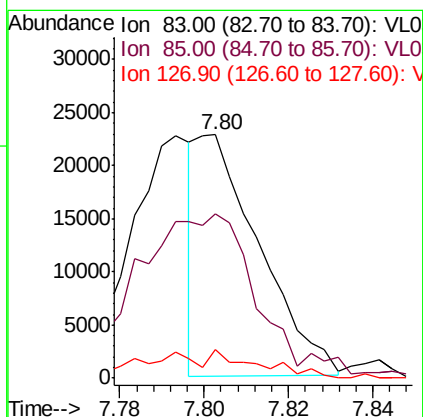
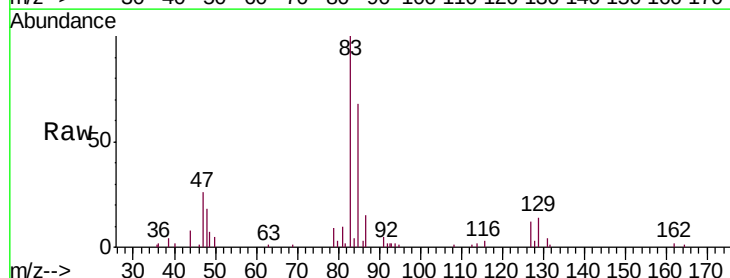
Tgt Ion: 83 Resp: 23282

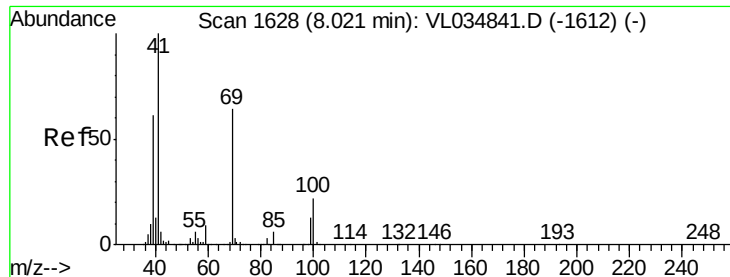
Ion Ratio Lower Upper

83 100

85 60.7 51.4 77.2

127 11.9 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.326 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

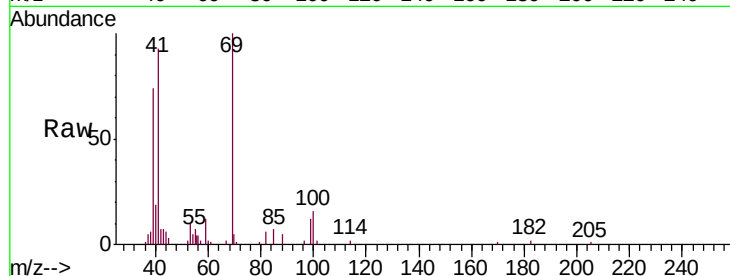
Tgt Ion: 69 Resp: 23704

Ion Ratio Lower Upper

69 100

41 160.1 123.2 184.8

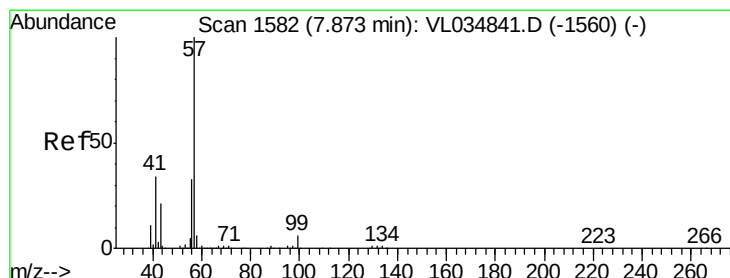
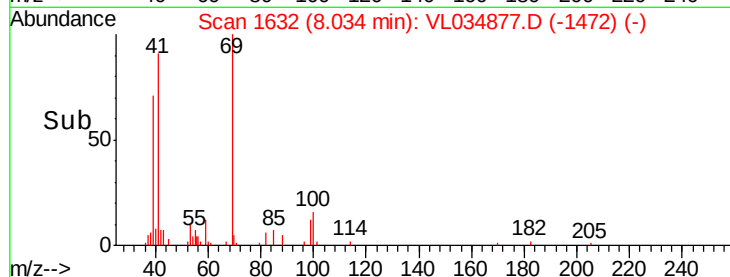
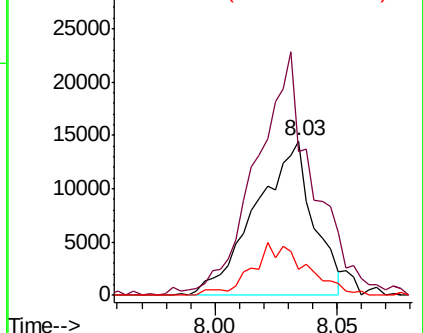
100 32.6 26.9 40.3



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: 0.381 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

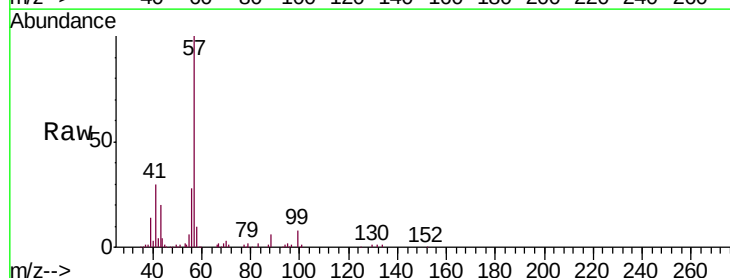
Tgt Ion: 57 Resp: 111307

Ion Ratio Lower Upper

57 100

41 37.4 26.2 39.4

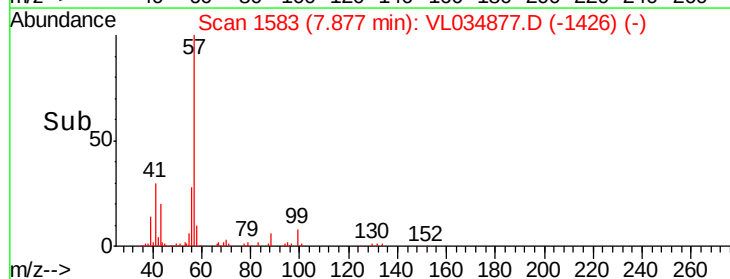
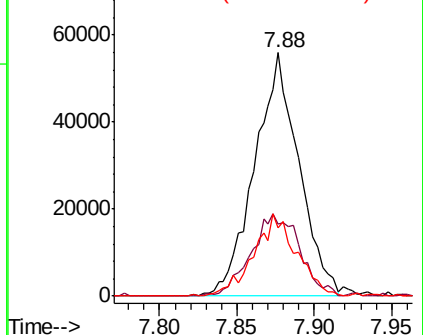
56 32.8 25.0 37.4

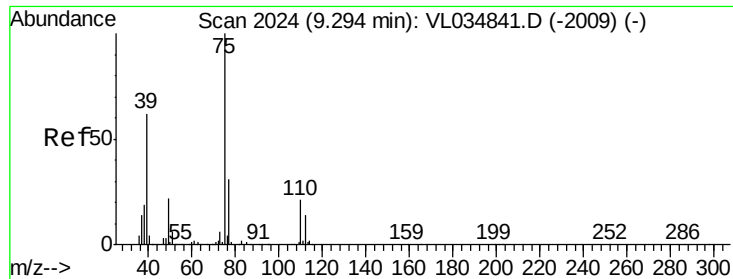


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

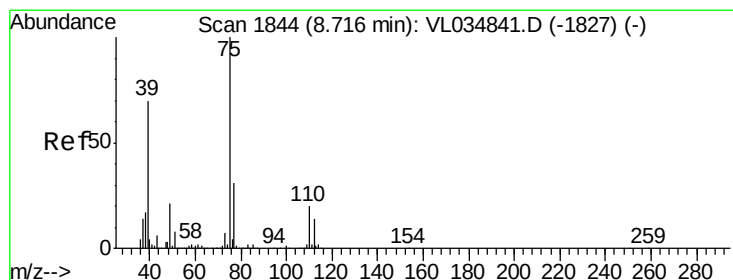
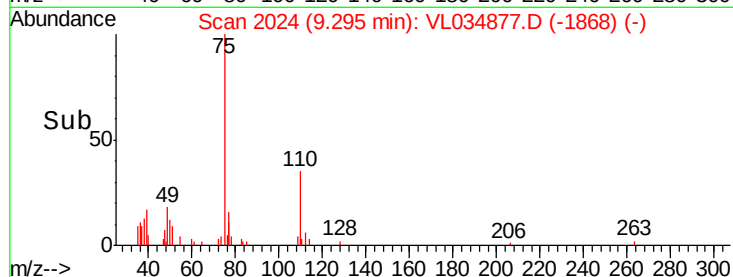
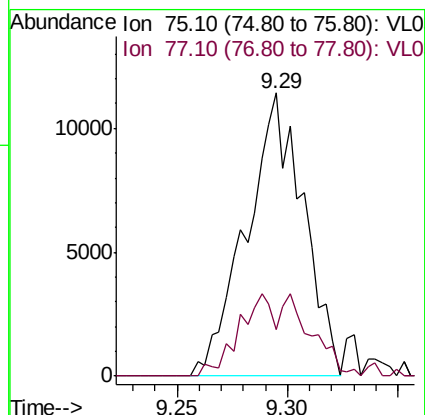
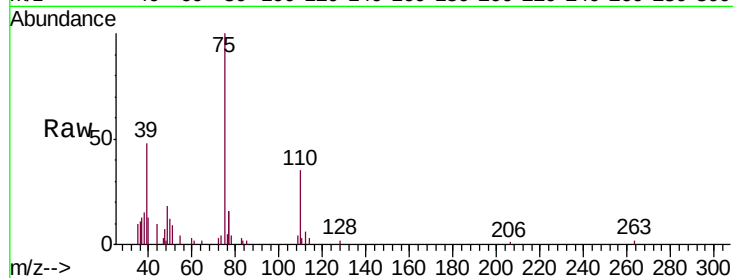




#45
 t-1,3-Dichloropropene
 Concen: 0.239 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

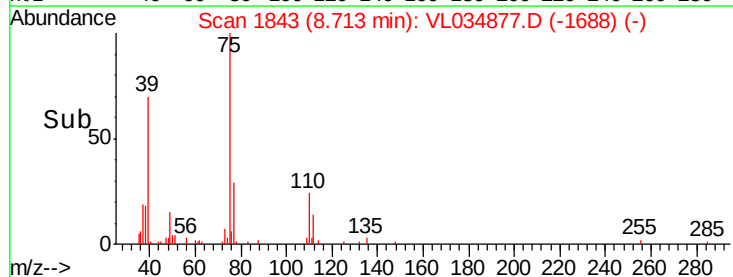
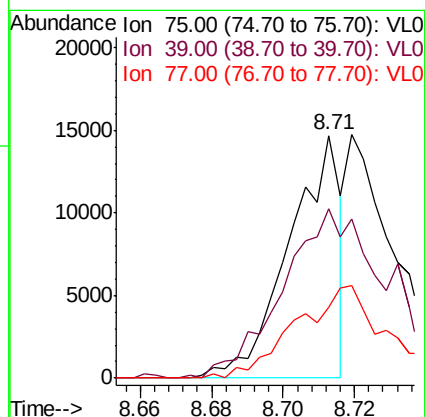
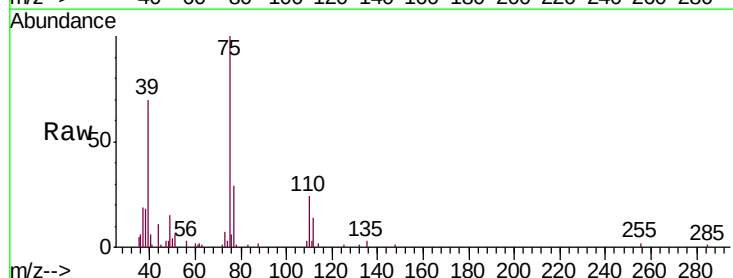
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

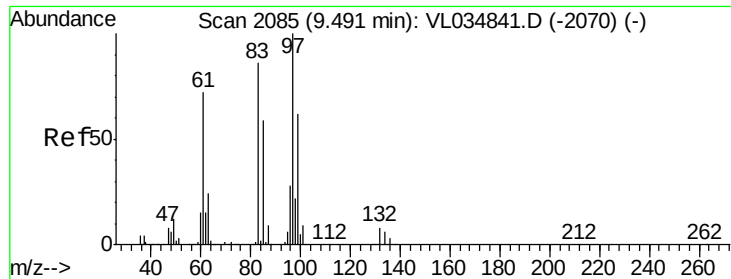
Tgt Ion: 75 Resp: 20460
 Ion Ratio Lower Upper
 75 100
 77 16.4 24.6 37.0#



#46
 cis-1,3-Dichloropropene
 Concen: 0.144 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion: 75 Resp: 14642
 Ion Ratio Lower Upper
 75 100
 39 66.9 55.7 83.5
 77 29.2 24.7 37.1

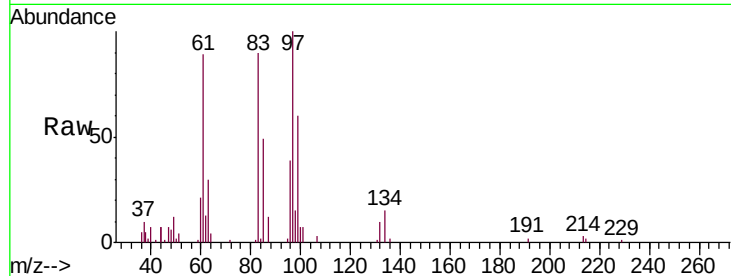




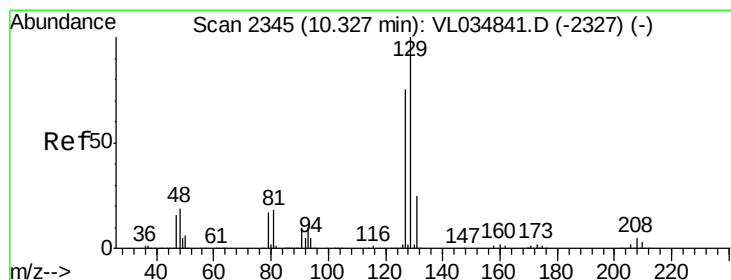
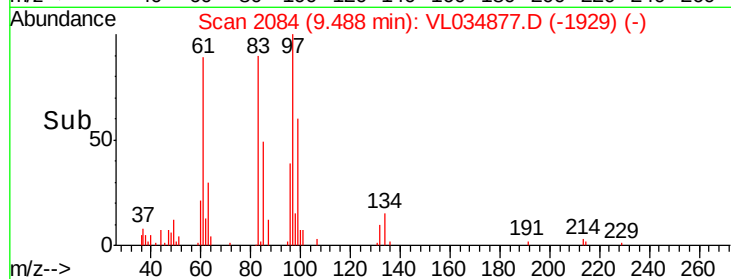
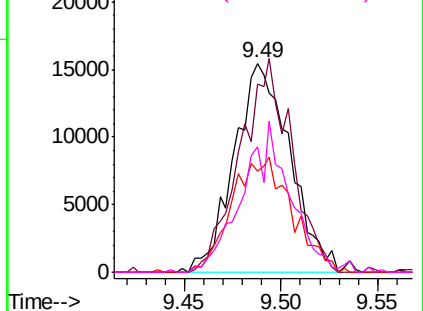
#47
 1,1,2-Trichloroethane
 Concen: 0.439 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

Tgt Ion:	97	Resp:	30862
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.6	102.8
85	48.6	46.9	70.3
99	60.0	49.9	74.9

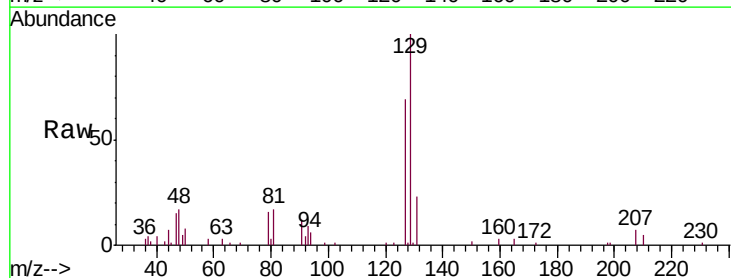


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

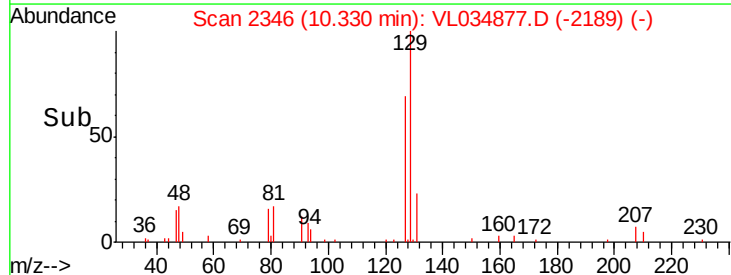
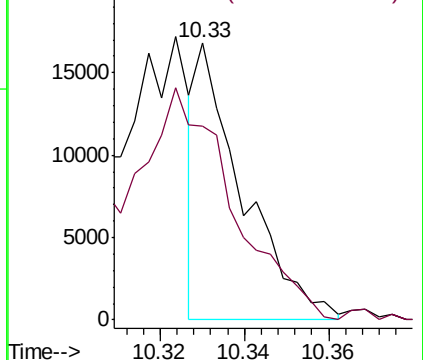


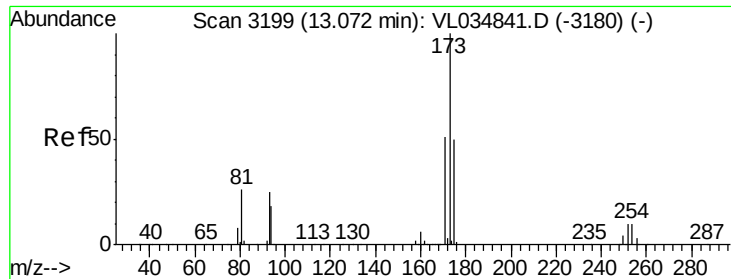
#48
 Dibromochloromethane
 Concen: 0.112 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion:	129	Resp:	12725
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.6	118.7#



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





#49

Bromoform

Concen: 0.051 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. 0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

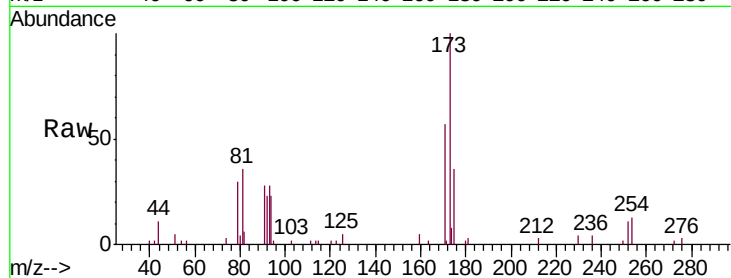
Tgt Ion:173 Resp: 5159

Ion Ratio Lower Upper

173 100

175 0.0 39.6 59.4#

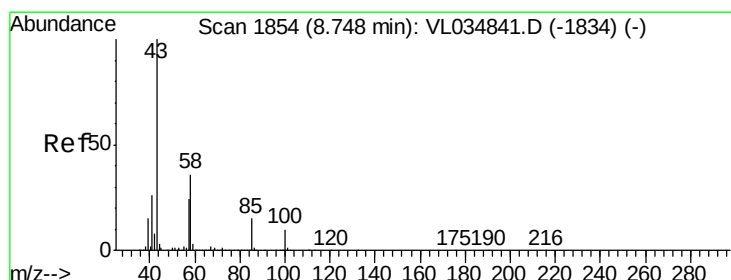
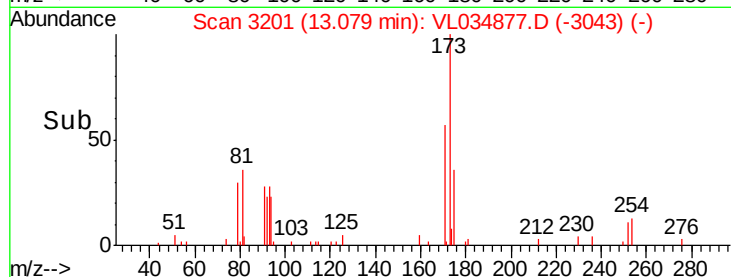
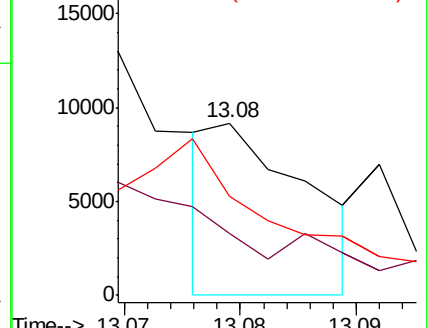
171 267.6 41.0 61.6#



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: 0.209 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.02 min

Lab File: VL034877.D

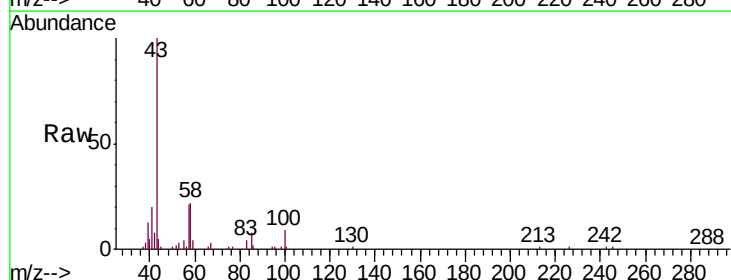
Acq: 10 Mar 2020 22:12

Tgt Ion: 43 Resp: 38704

Ion Ratio Lower Upper

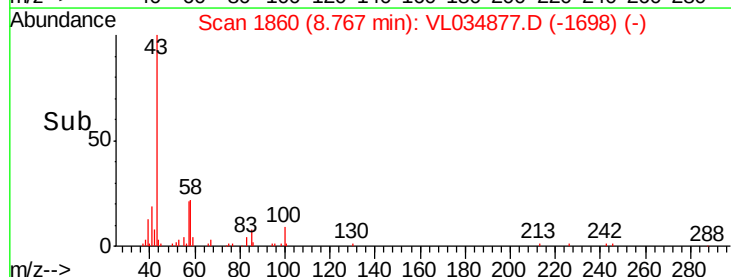
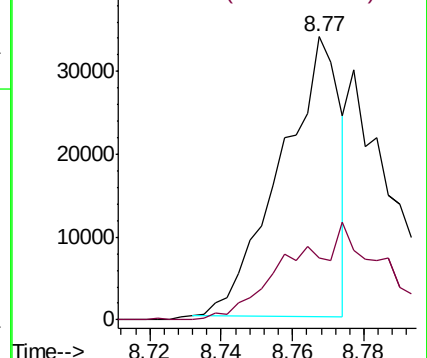
43 100

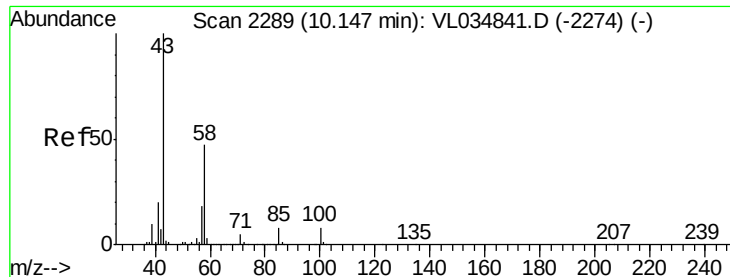
58 0.0 28.6 42.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.158 ppbv

RT: 10.17 min Scan# 2297

Delta R.T. 0.03 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

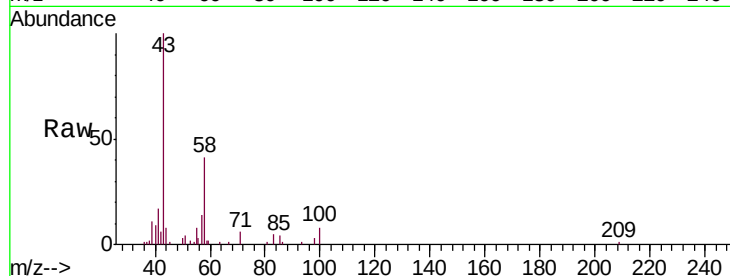
Tgt Ion: 43 Resp: 23732

Ion Ratio Lower Upper

43 100

58 0.0 38.6 58.0#

98 1.9 0.1 0.1#

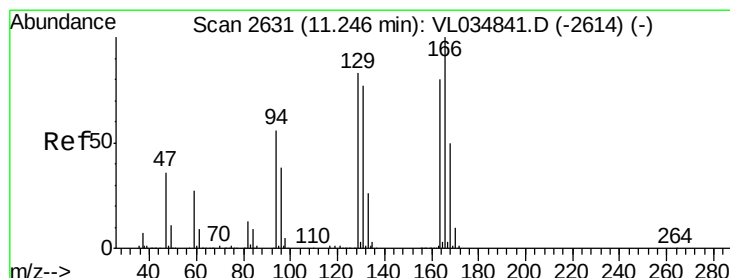
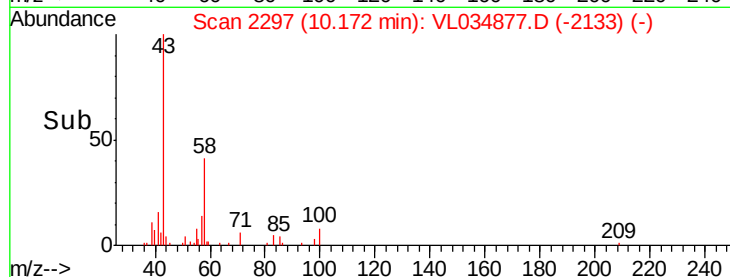
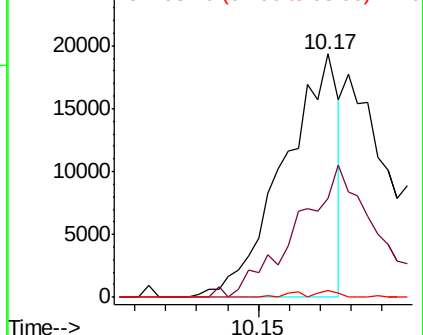


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.241 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Tgt Ion: 164 Resp: 16467

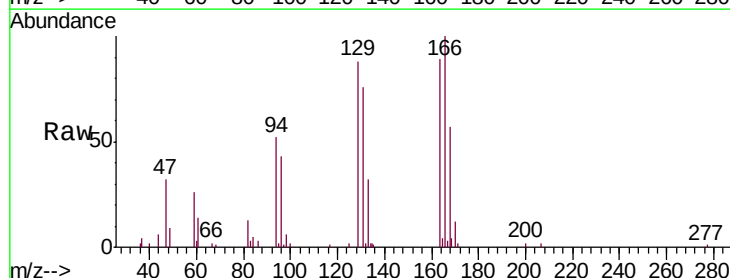
Ion Ratio Lower Upper

164 100

166 103.2 100.0 150.0

129 89.2 83.1 124.7

131 78.8 77.2 115.8



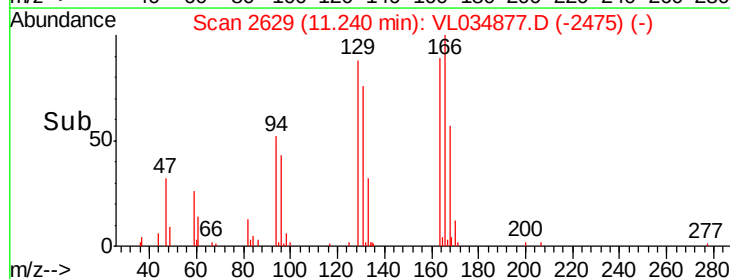
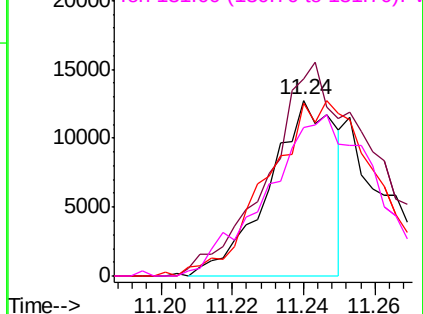
Abundance

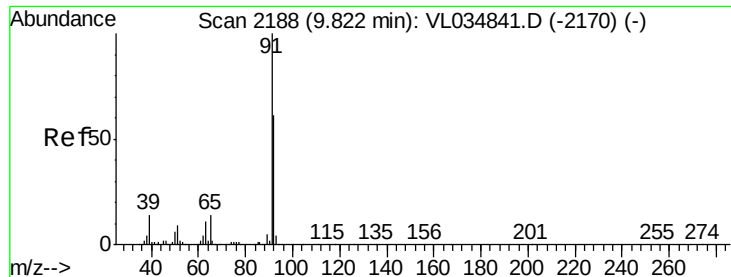
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.319 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

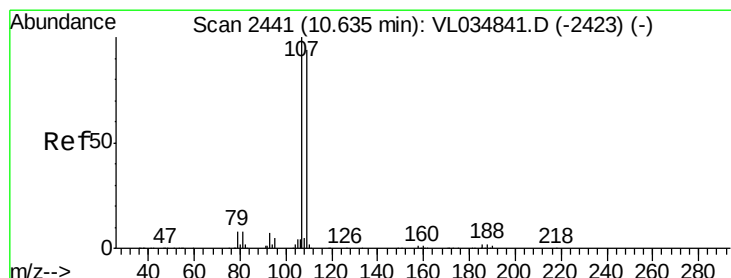
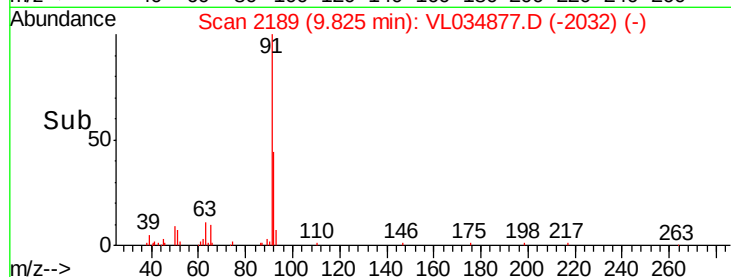
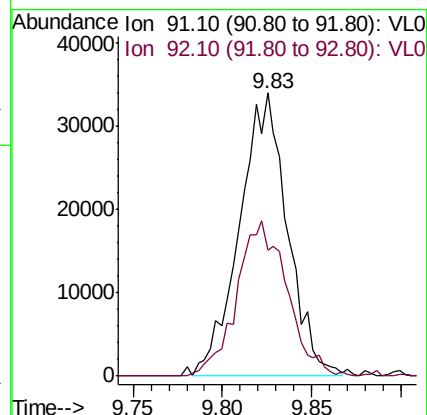
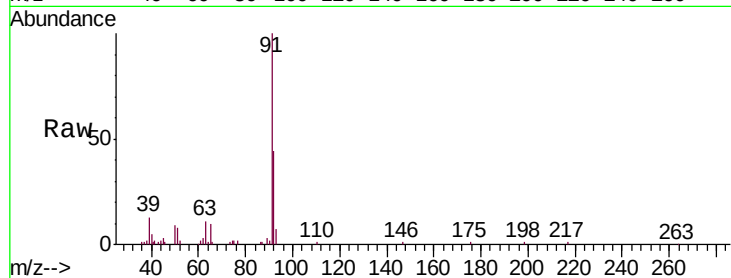
MDL-AIR-01-QT1-2020

Tgt Ion: 91 Resp: 63590

Ion Ratio Lower Upper

91 100

92 57.4 48.6 72.8



#54

1,2-Dibromoethane

Concen: 0.208 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034877.D

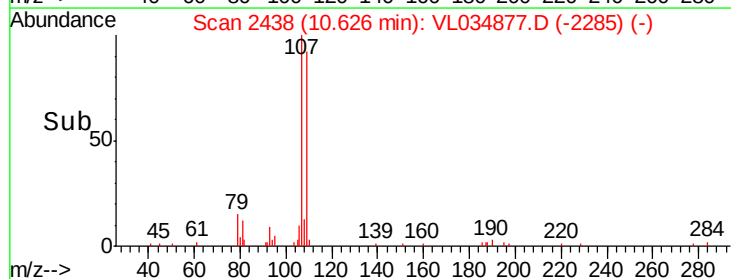
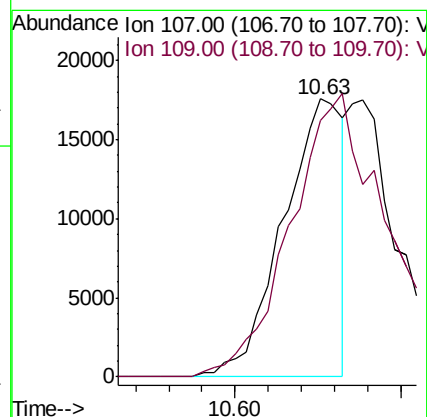
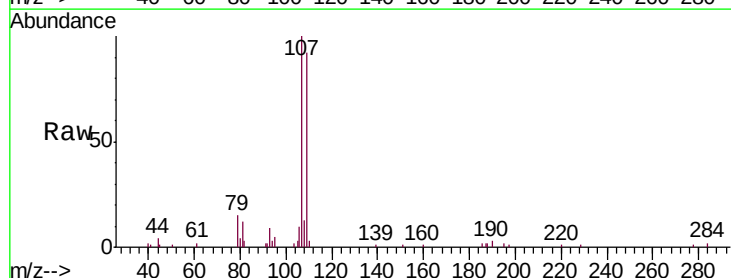
Acq: 10 Mar 2020 22:12

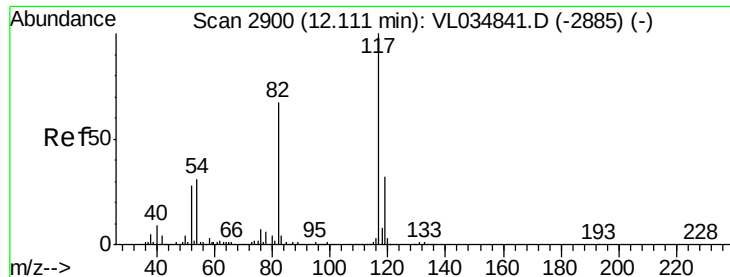
Tgt Ion: 107 Resp: 22012

Ion Ratio Lower Upper

107 100

109 92.2 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

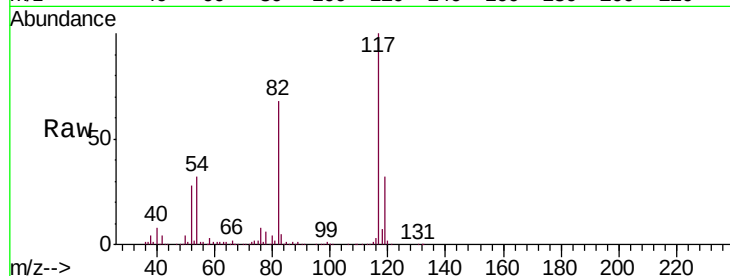
Tgt Ion:117 Resp: 1893219

Ion Ratio Lower Upper

117 100

82 68.5 51.1 76.7

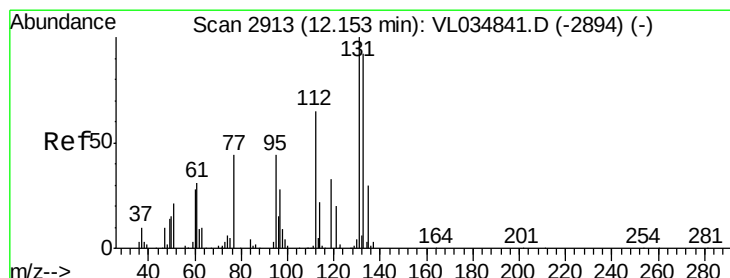
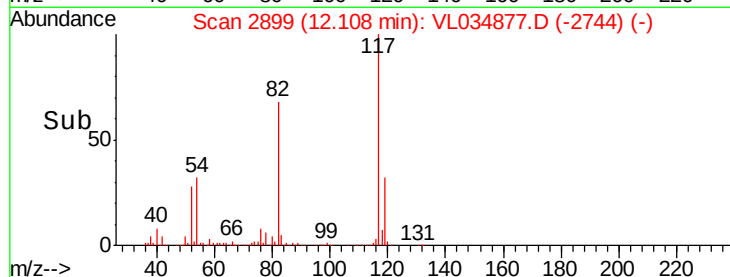
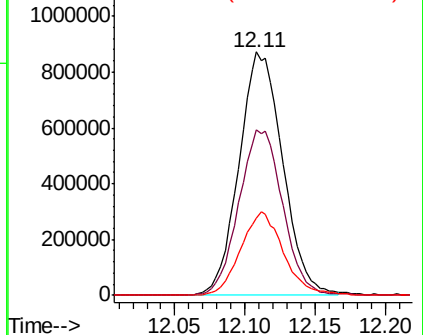
119 33.9 27.3 40.9



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.280 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

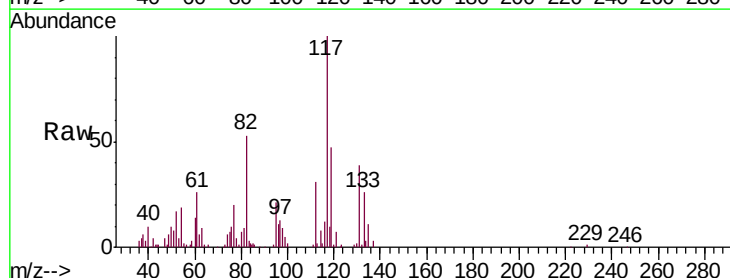
Tgt Ion:131 Resp: 23777

Ion Ratio Lower Upper

131 100

133 129.3 76.0 114.0#

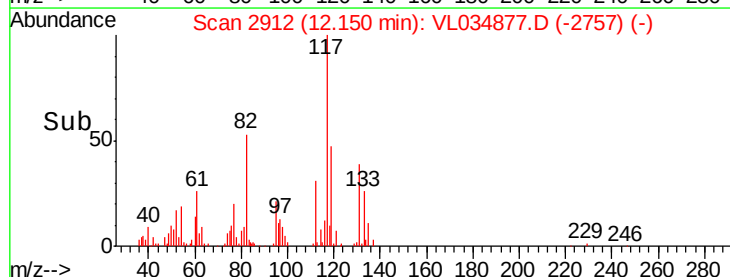
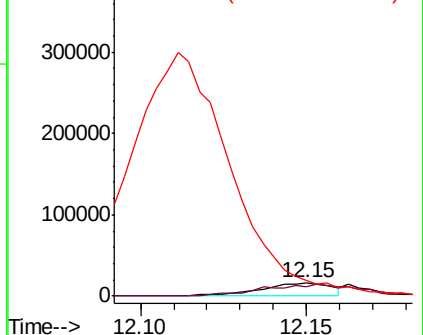
119 2700.2 47.8 71.8#

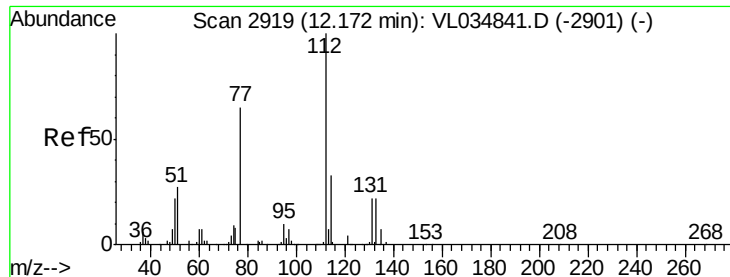


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

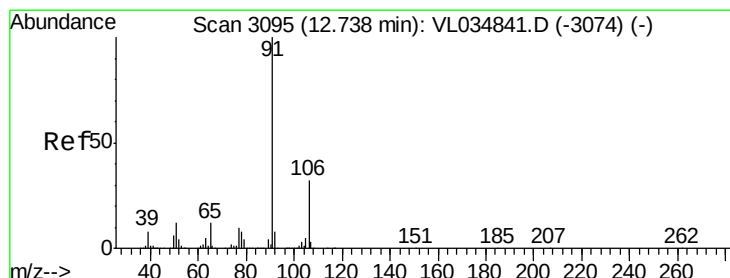
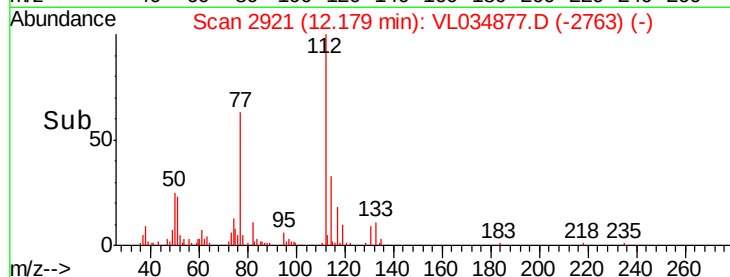
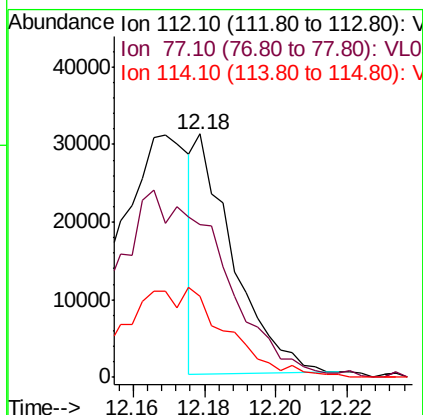
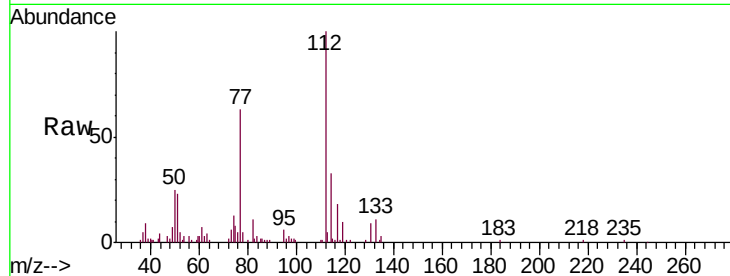




#57
Chlorobenzene
Concen: 0.155 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

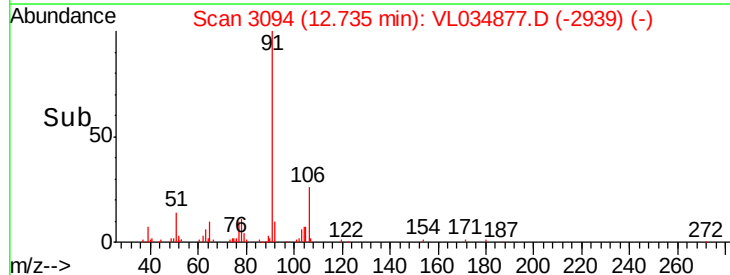
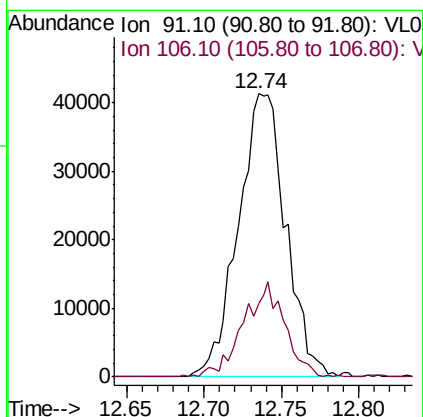
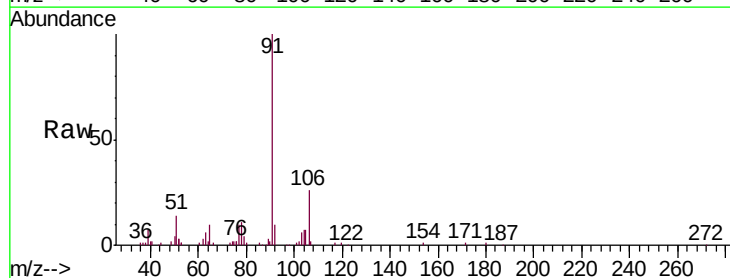
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2020

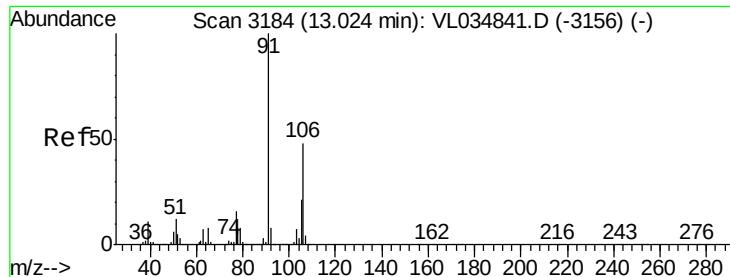
Tgt Ion: 112 Resp: 22999
Ion Ratio Lower Upper
112 100
77 61.9 53.0 79.6
114 34.6 29.5 36.1



#58
Ethyl Benzene
Concen: 0.344 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

Tgt Ion: 91 Resp: 88248
Ion Ratio Lower Upper
91 100
106 26.1 25.8 38.6

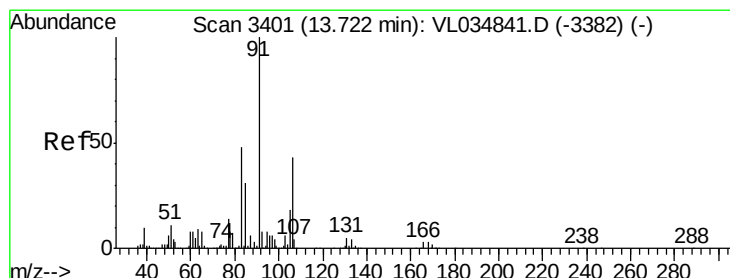
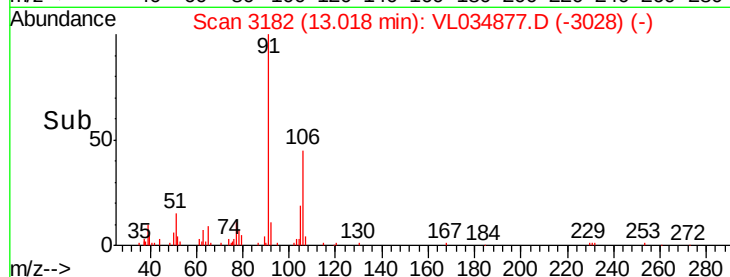
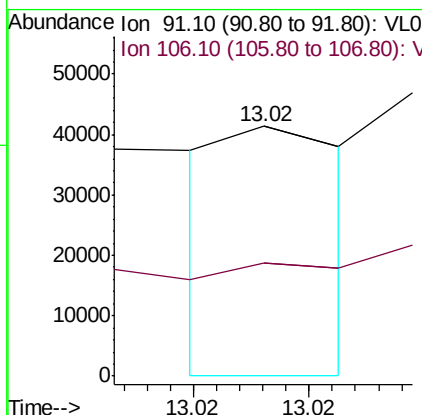
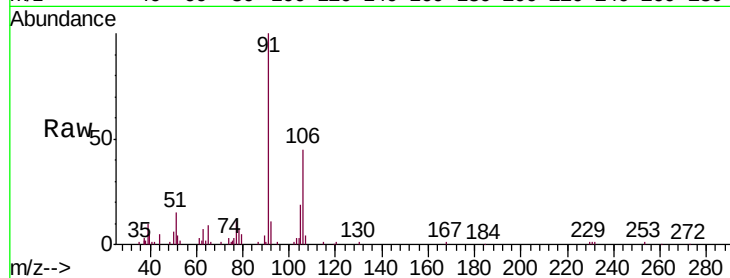




#59
m/p-Xylene
Concen: 0.071 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

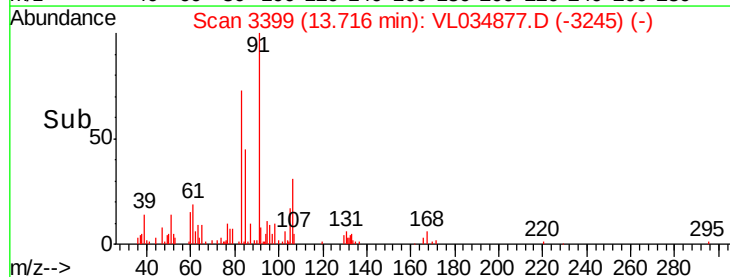
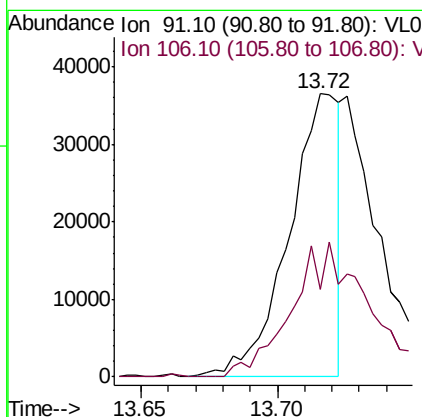
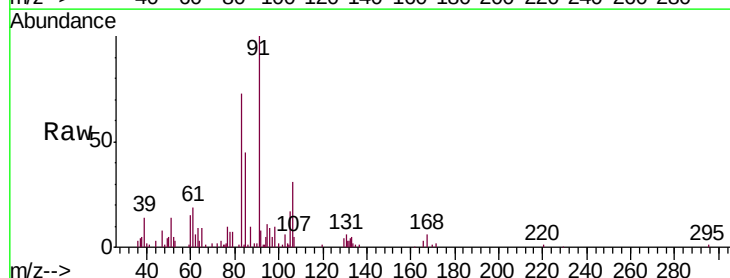
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT1-2020

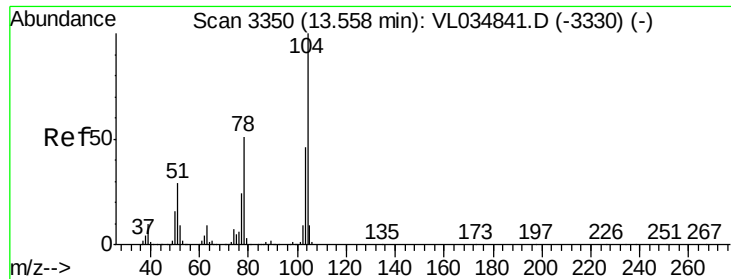
Tgt Ion: 91 Resp: 15326
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 0.223 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL034877.D
Acq: 10 Mar 2020 22:12

Tgt Ion: 91 Resp: 46870
Ion Ratio Lower Upper
91 100
106 71.0 22.5 67.5#





#61

Styrene

Concen: 0.080 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

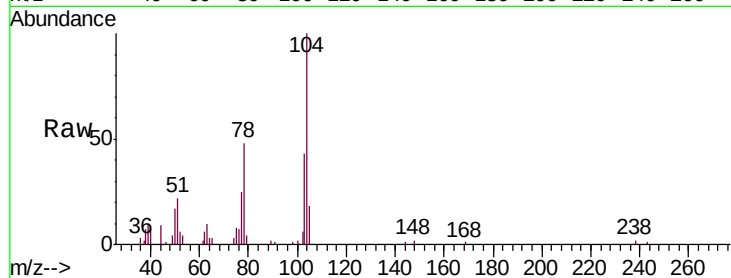
Tgt Ion:104 Resp: 11746

Ion Ratio Lower Upper

104 100

78 0.0 41.8 62.6#

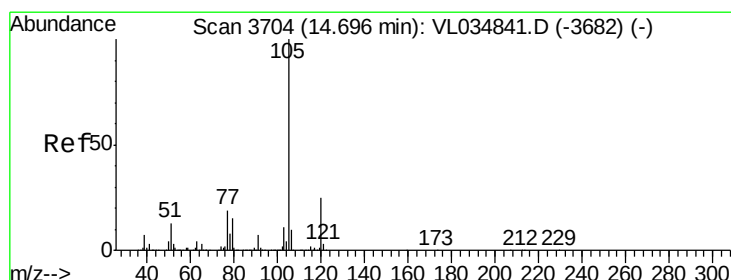
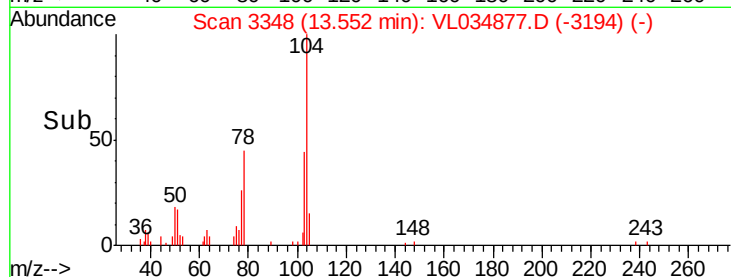
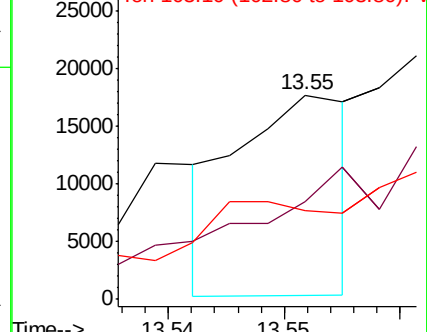
103 0.0 37.8 56.6#



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: 0.261 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL034877.D

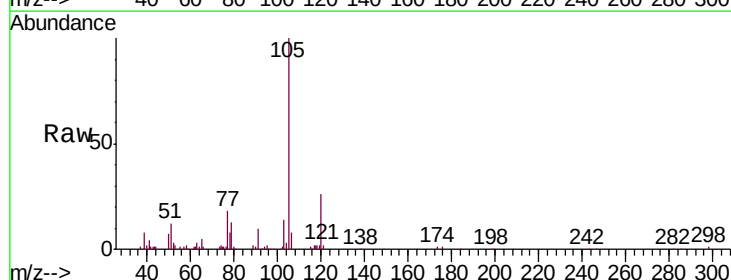
Acq: 10 Mar 2020 22:12

Tgt Ion:105 Resp: 82903

Ion Ratio Lower Upper

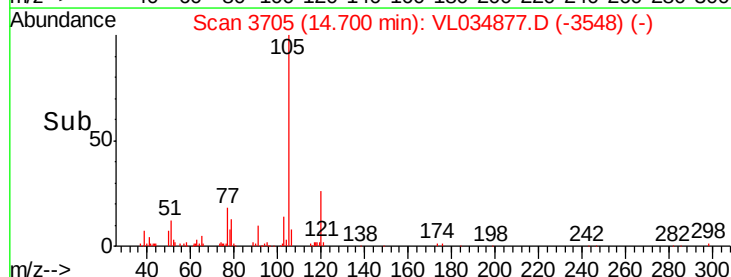
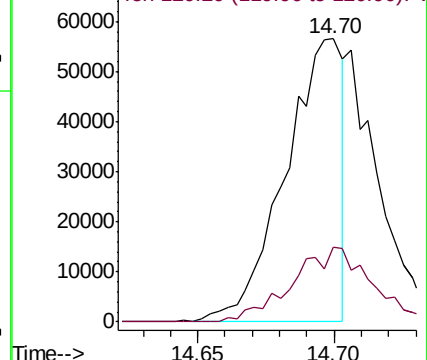
105 100

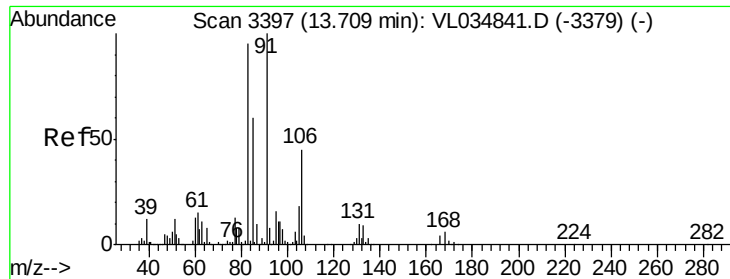
120 36.4 21.0 31.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

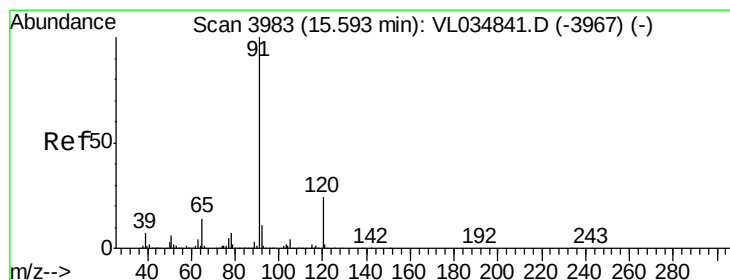
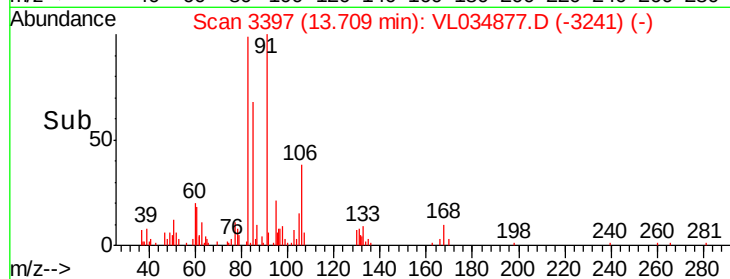
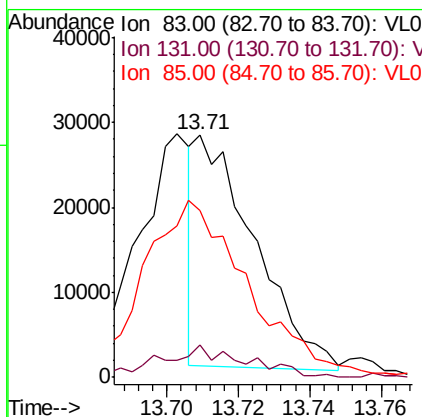
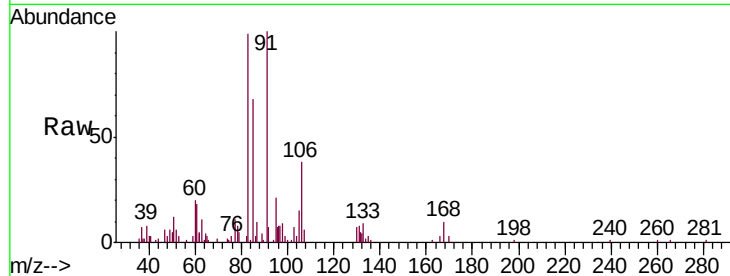




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.219 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

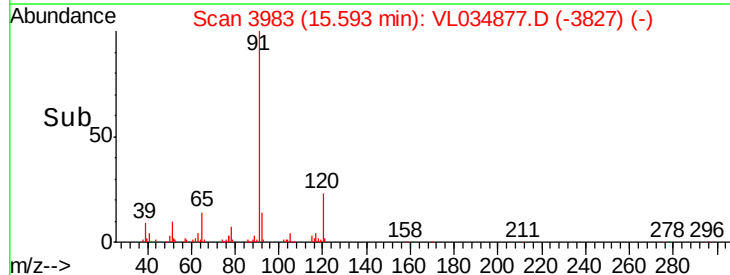
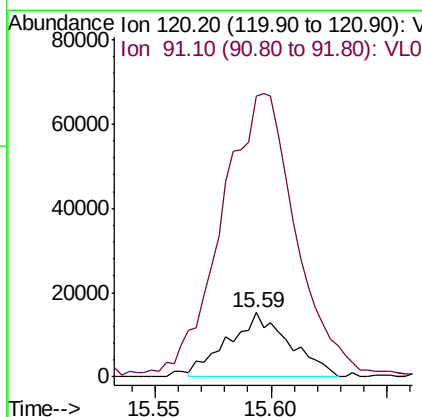
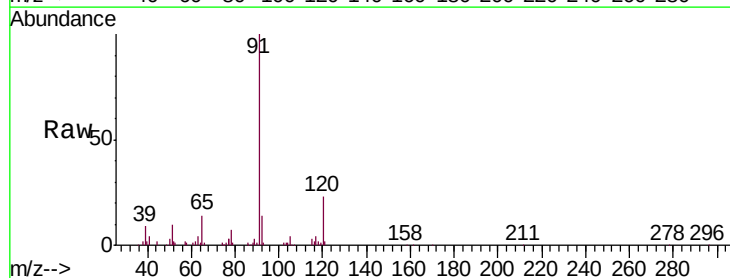
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

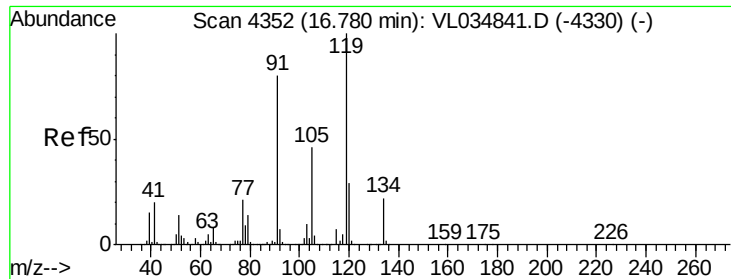
Tgt Ion: 83 Resp: 31198
 Ion Ratio Lower Upper
 83 100
 131 21.1 5.0 14.9#
 85 142.8 32.4 97.2#



#64
 n-propylbenzene
 Concen: 0.341 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion: 120 Resp: 28106
 Ion Ratio Lower Upper
 120 100
 91 544.8 360.9 541.3#

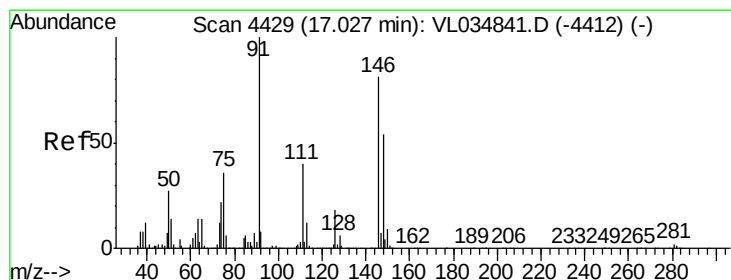
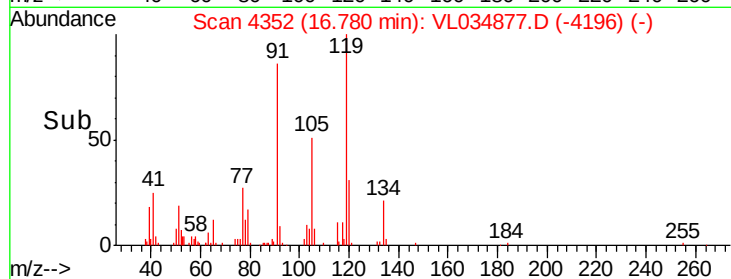
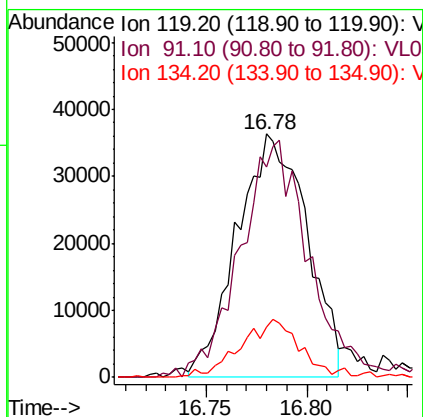
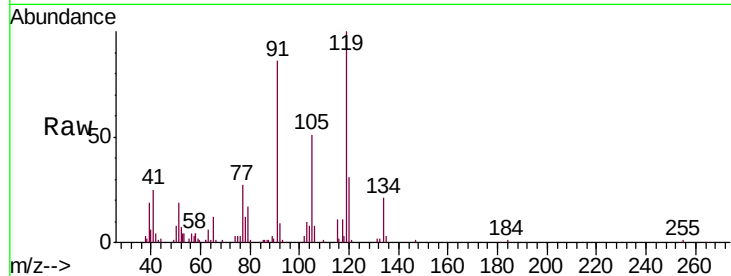




#65
 tert-Butylbenzene
 Concen: 0.315 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

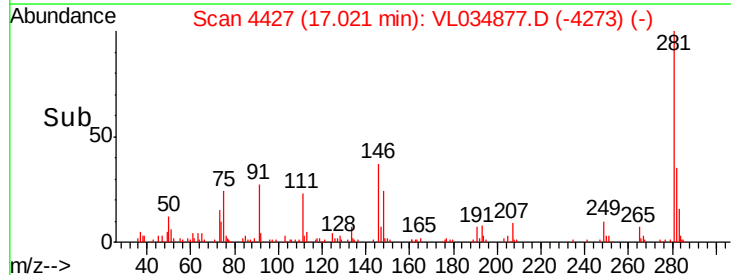
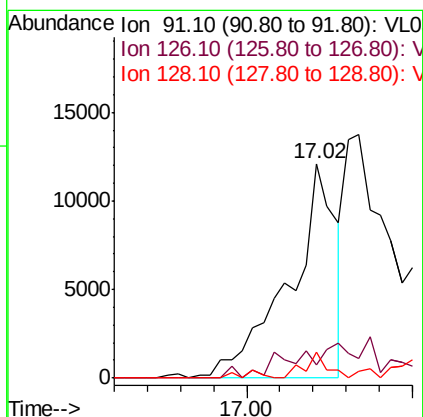
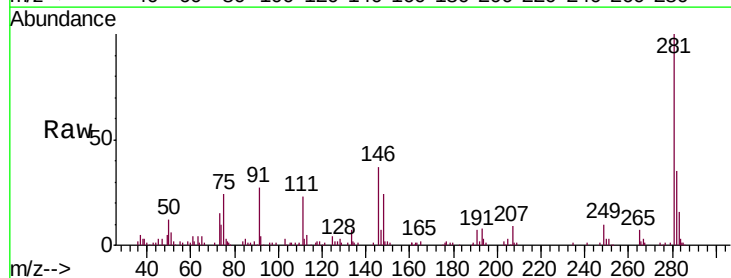
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

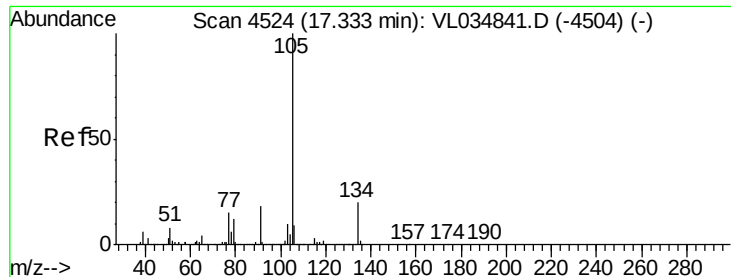
Tgt Ion: 119 Resp: 87289
 Ion Ratio Lower Upper
 119 100
 91 99.1 64.9 97.3#
 134 21.1 15.9 23.9



#66
 Benzyl Chloride
 Concen: 0.103 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.01 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion: 91 Resp: 11926
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.7 22.1#
 128 13.5 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.338 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

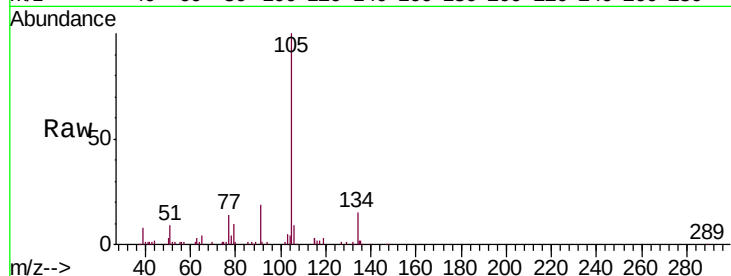
MDL-AIR-01-QT1-2020

Tgt Ion:105 Resp: 129747

Ion Ratio Lower Upper

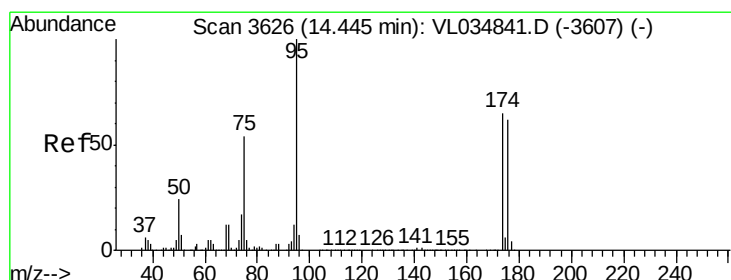
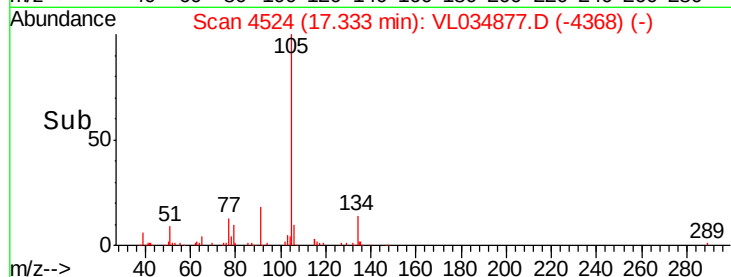
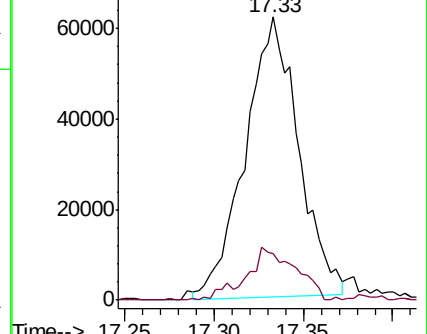
105 100

134 18.4 15.0 22.6



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: 10.600 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

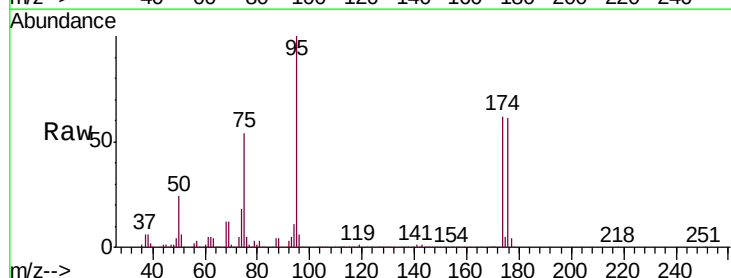
Tgt Ion: 95 Resp: 1564996

Ion Ratio Lower Upper

95 100

174 65.4 55.2 82.8

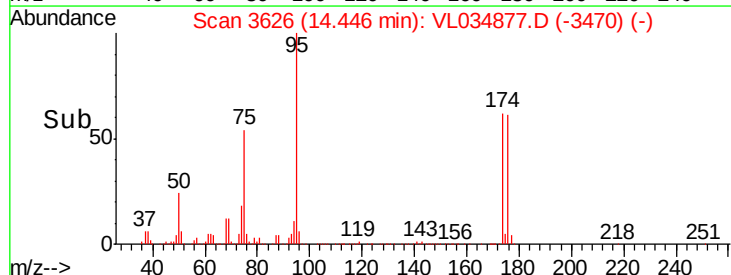
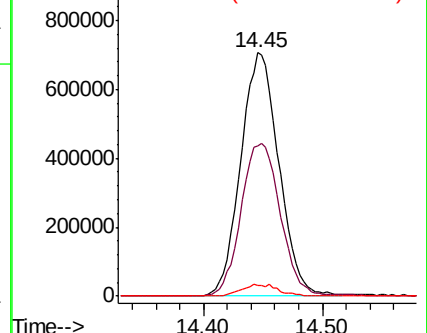
175 4.8 4.3 6.5

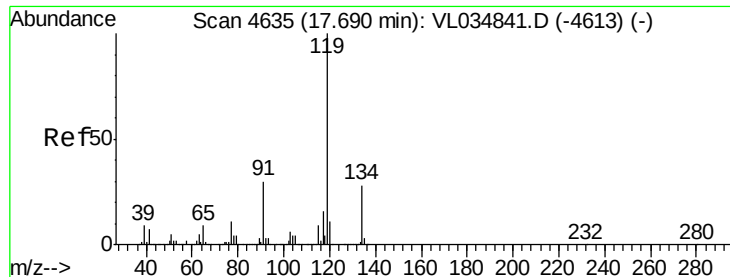


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

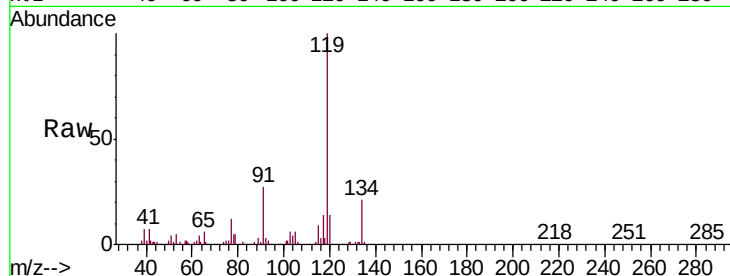




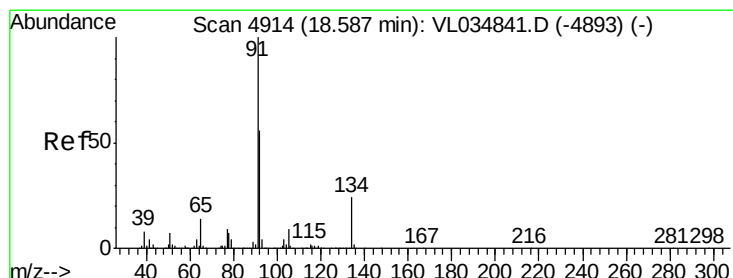
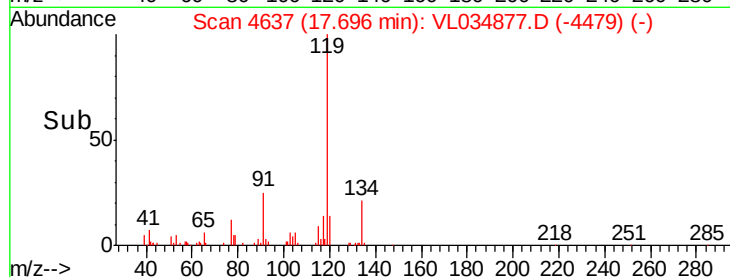
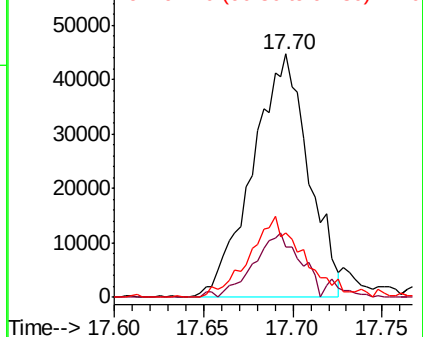
#69
 p-Isopropyltoluene
 Concen: 0.303 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	20.6	30.8
91	33.4	23.4	35.2

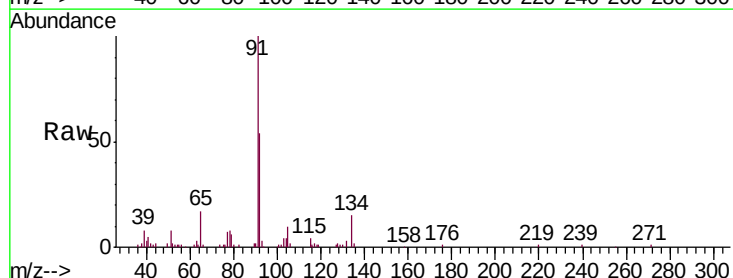


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

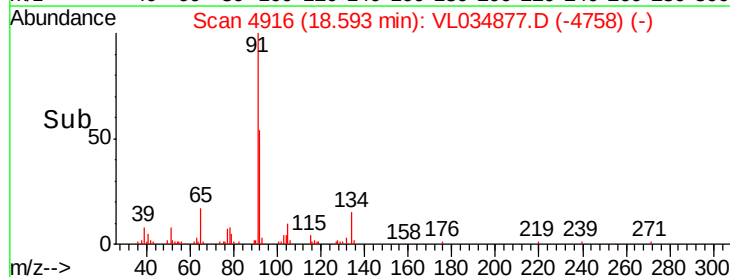
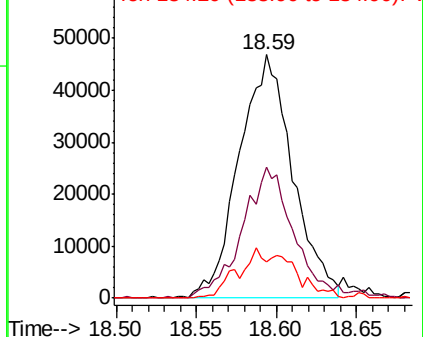


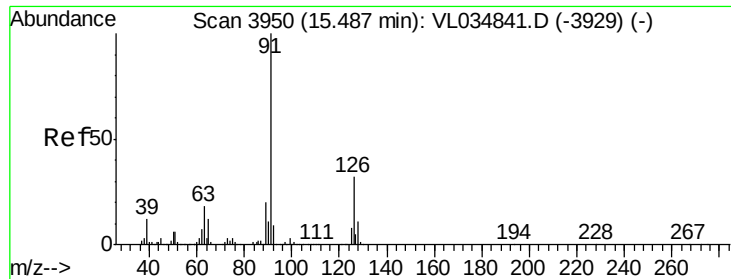
#70
 n-Butylbenzene
 Concen: 0.327 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	43.8	65.6
134	21.2	19.0	28.4



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

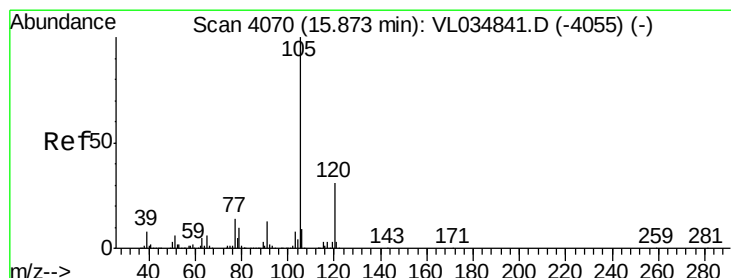
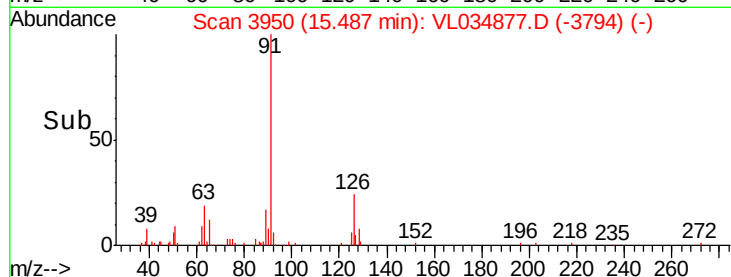
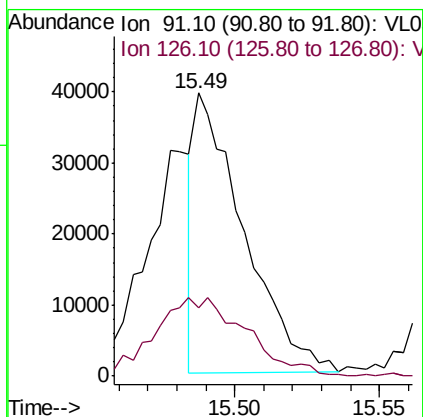
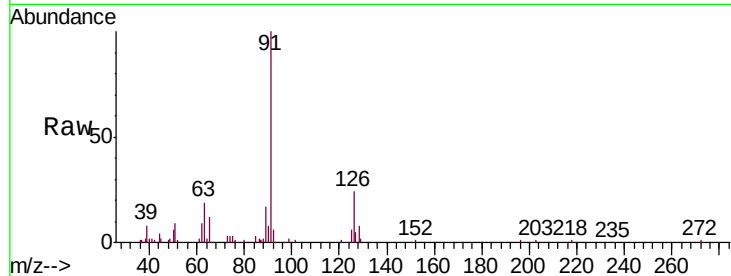




#71
 2-Chlorotoluene
 Concen: 0.193 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

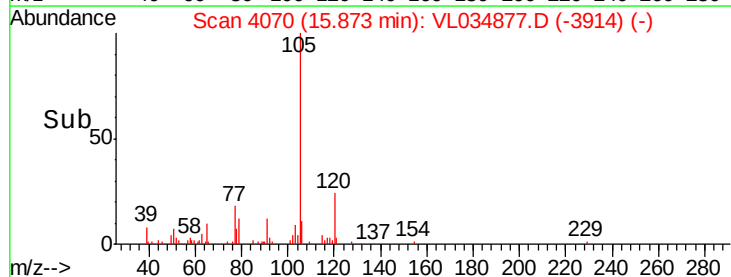
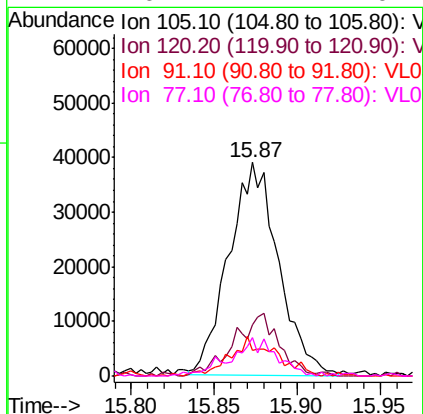
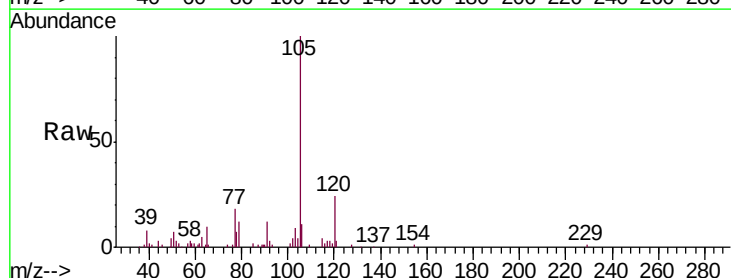
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

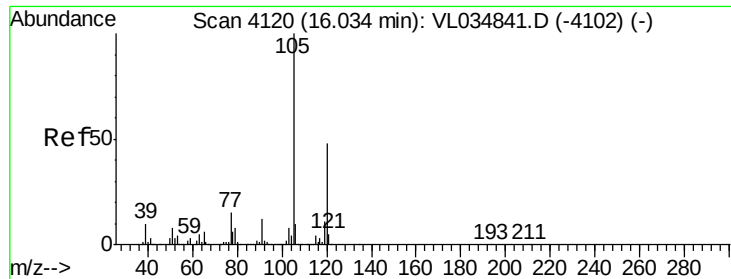
Tgt Ion: 91 Resp: 46296
 Ion Ratio Lower Upper
 91 100
 126 53.0 12.3 49.1#



#72
 4-Ethyltoluene
 Concen: 0.327 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion: 105 Resp: 81026
 Ion Ratio Lower Upper
 105 100
 120 27.9 23.7 35.5
 91 17.1 10.5 15.7#
 77 16.7 11.1 16.7

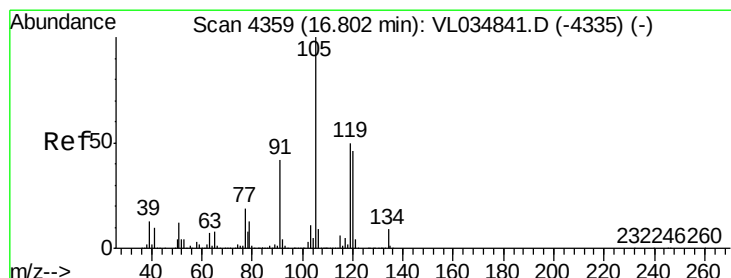
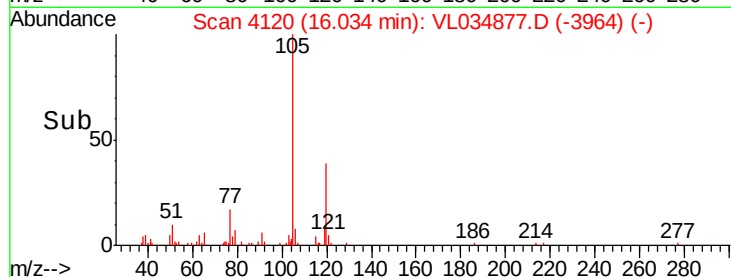
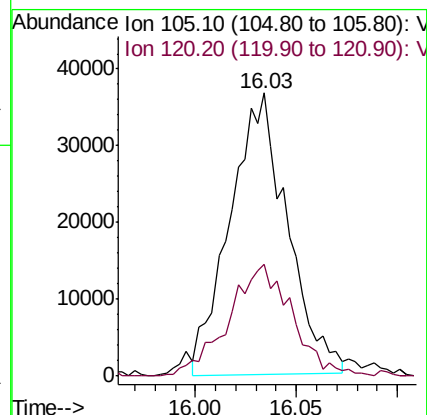
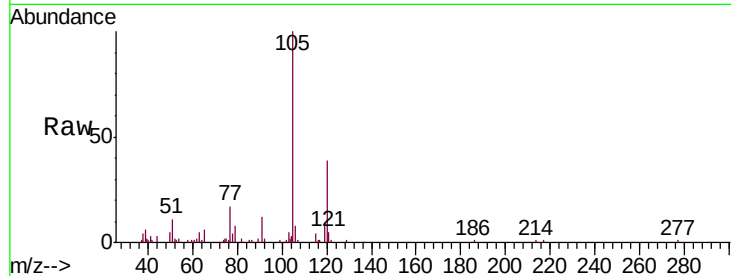




#73
 1,3,5-Trimethylbenzene
 Concen: 0.316 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

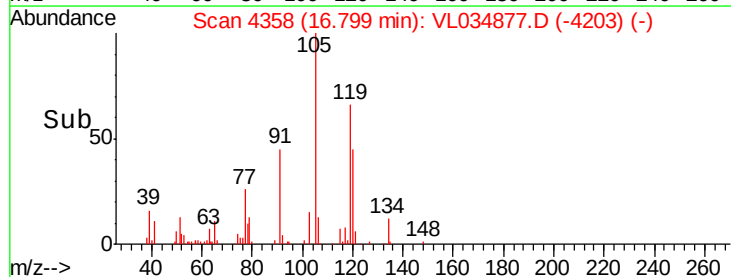
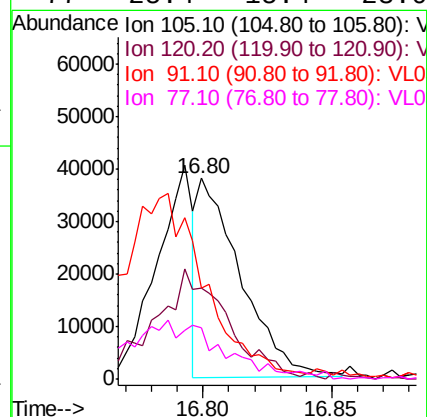
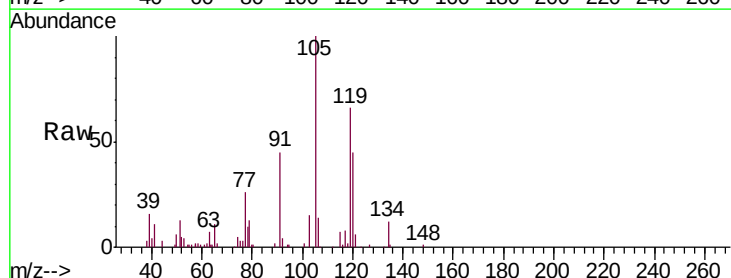
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

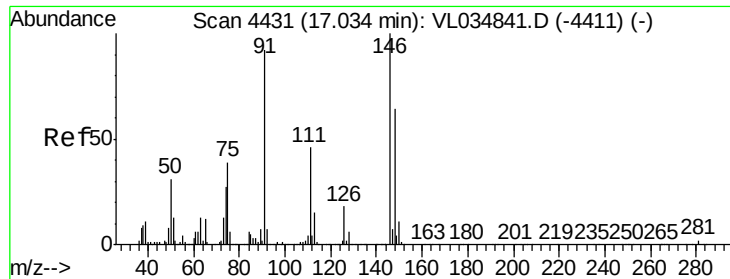
Tgt Ion:105 Resp: 73153
 Ion Ratio Lower Upper
 105 100
 120 39.3 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.184 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion:105 Resp: 44054
 Ion Ratio Lower Upper
 105 100
 120 44.5 37.0 55.4
 91 41.5 33.8 50.6
 77 25.4 15.4 23.0#

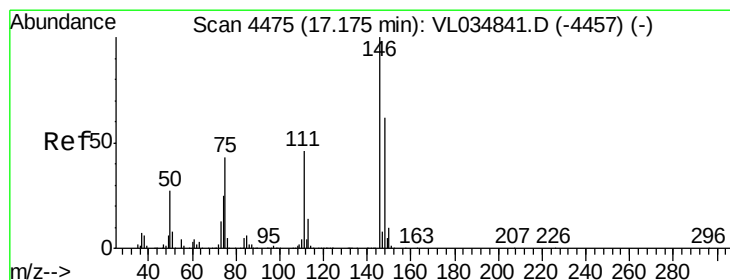
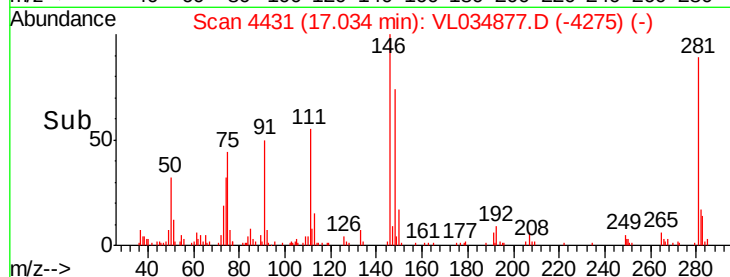
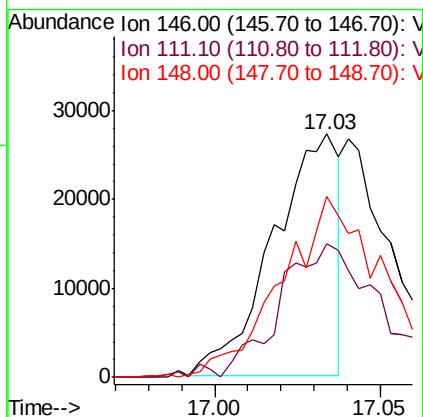
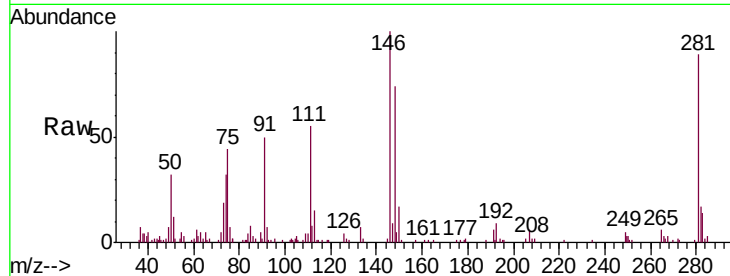




#75
 1,3-Dichlorobenzene
 Concen: 0.260 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

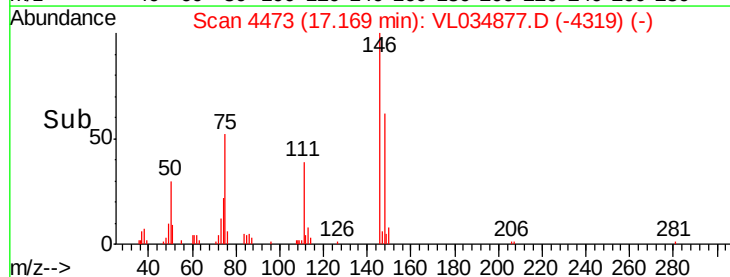
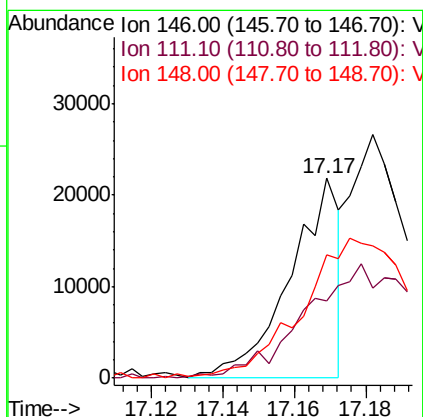
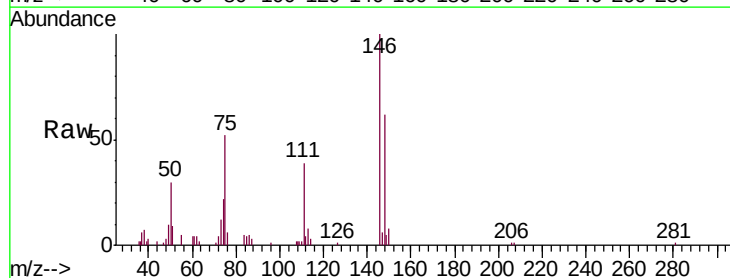
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

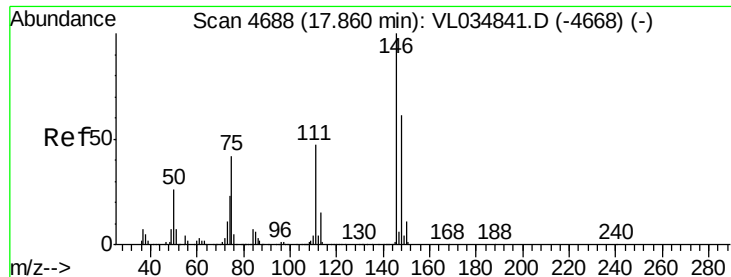
Tgt Ion:146 Resp: 37489
 Ion Ratio Lower Upper
 146 100
 111 89.4 23.9 71.7#
 148 120.1 32.5 97.5#



#76
 1,4-Dichlorobenzene
 Concen: 0.147 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.01 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion:146 Resp: 21121
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.4 70.2#
 148 0.0 32.3 96.9#

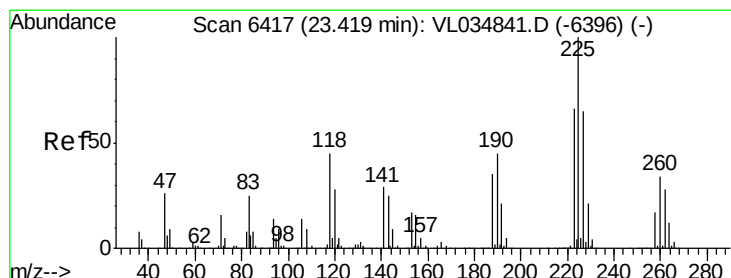
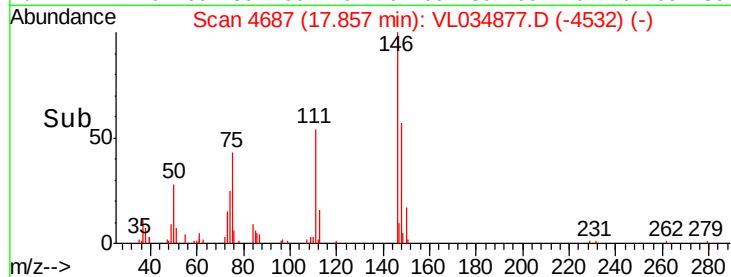
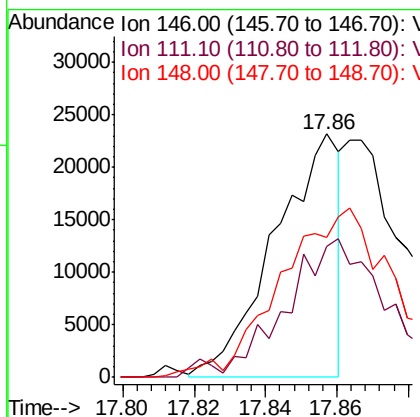
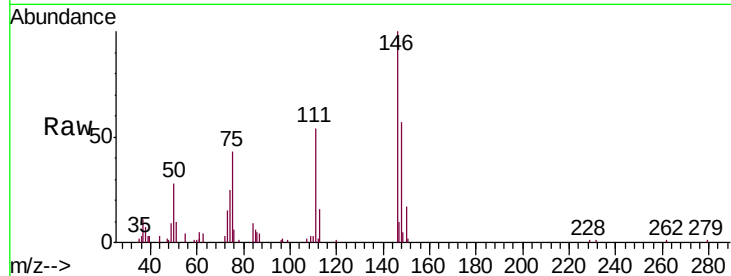




#77
 1,2-Dichlorobenzene
 Concen: 0.210 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

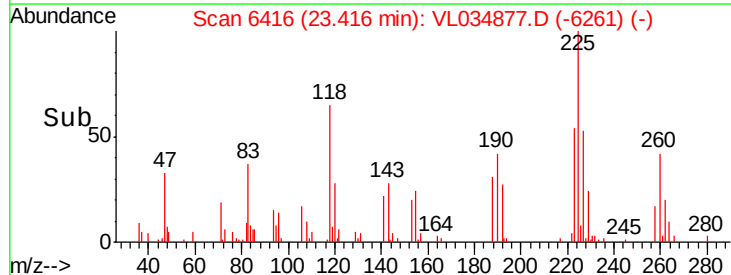
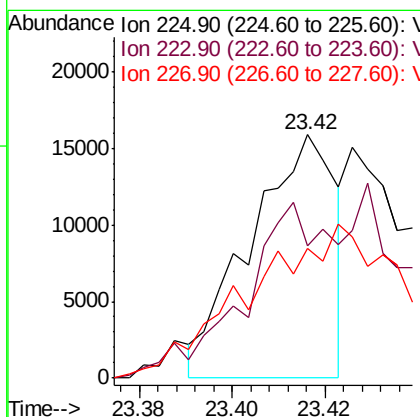
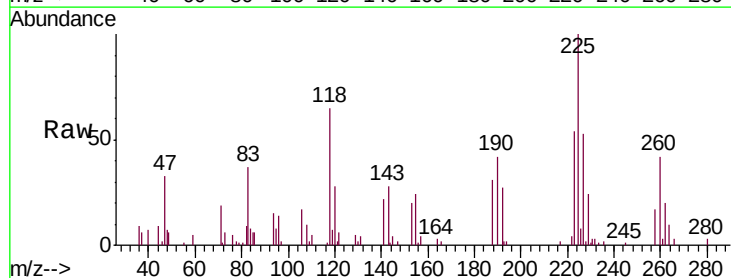
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT1-2020

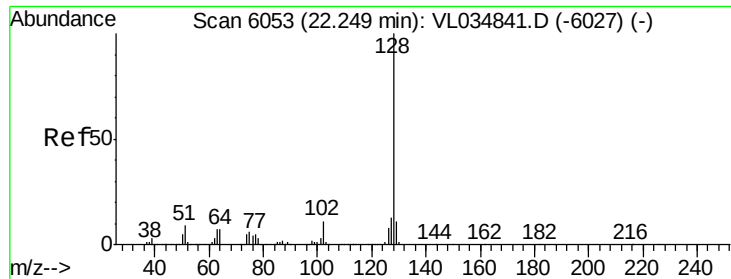
Tgt Ion:146 Resp: 29250
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.4#
 148 0.0 31.6 94.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.174 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034877.D
 Acq: 10 Mar 2020 22:12

Tgt Ion:225 Resp: 20252
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.1 76.7#
 227 0.0 51.8 77.6#





#79

Naphthalene

Concen: 0.027 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. -0.01 min

Lab File: VL034877.D

Acq: 10 Mar 2020 22:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT1-2020

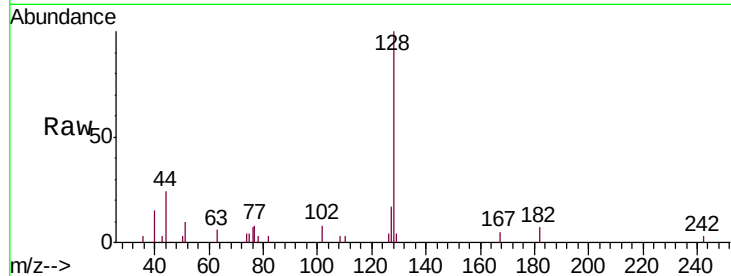
Tgt Ion:128 Resp: 5009

Ion Ratio Lower Upper

128 100

127 17.1 10.2 15.2#

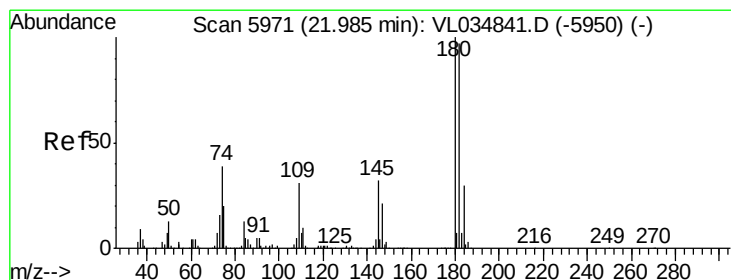
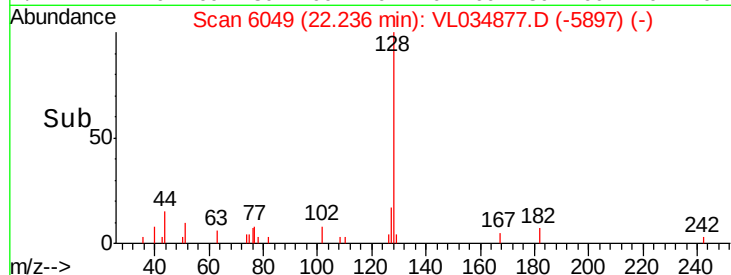
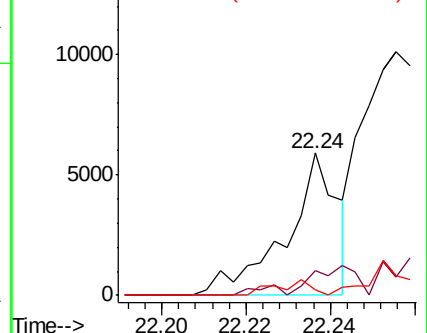
129 3.6 8.6 13.0#



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: 0.043 ppbv

RT: 21.98 min Scan# 5970

Delta R.T. -0.00 min

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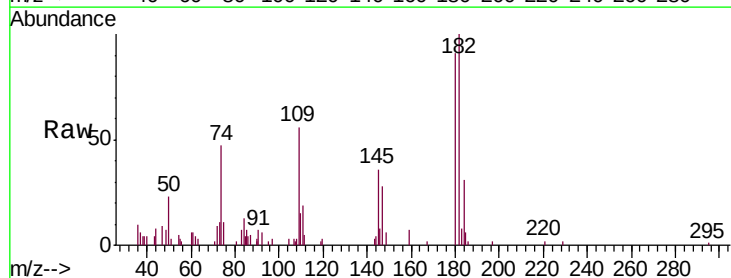
Tgt Ion:180 Resp: 5033

Ion Ratio Lower Upper

180 100

182 0.0 76.6 115.0#

184 0.0 25.0 37.4#



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

