

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031430.D
 Acq On : 23 Jan 2018 00:15
 Operator : SY/AP
 Sample : J1089-12
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Quant Time: Jan 23 06:21:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1196019	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2698795	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2666448	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.74	95	2182695	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.18	85	36219	0.21	ppbv	97
3) Chlorodifluoromethane	3.11	51	21591	0.14	ppbv	100
4) Chloromethane	3.27	50	4277	0.06	ppbv #	81
5) Vinyl Chloride	3.40	62	8324	0.12	ppbv	99
6) Bromomethane	3.63	94	3957	0.08	ppbv	84
7) Chloroethane	3.71	64	1884	0.06	ppbv	96
8) Dichlorotetrafluoroethane	3.33	85	26913	0.14	ppbv	98
9) Propene	3.14	41	3545	0.06	ppbv #	33
10) Heptane	8.40	43	7733	0.04	ppbv #	31
11) Trichlorofluoromethane	4.12	101	29851	0.13	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.68	101	20407	0.14	ppbv	99
13) Ethanol	3.78	45	3267	0.20	ppbv	94
14) Bromoethene	3.91	108	7715	0.13	ppbv	92
15) Acetone	4.04	43	30767	0.19	ppbv	99
16) 1,3-Butadiene	3.48	39	7149	0.11	ppbv	87
17) tert-Butyl alcohol	4.48	59	383	0.00	ppbv #	71
18) 1,1-Dichloroethene	4.48	96	4793	0.08	ppbv	88
19) Isopropyl Alcohol	4.17	45	12695	0.13	ppbv #	97
20) Methylene Chloride	4.54	84	11341	0.18	ppbv	85
21) Allyl Chloride	4.61	41	12719	0.13	ppbv	95
22) trans-1,2-Dichloroethene	5.10	96	9415	0.15	ppbv	87
23) Vinyl Acetate	5.30	43	19344	0.10	ppbv #	95
24) 1,1-Dichloroethane	5.23	63	11685	0.07	ppbv #	95
25) Ethyl Acetate	5.93	43	33377	0.12	ppbv	98
26) Hexane	5.92	57	15956	0.13	ppbv	94
27) Carbon Disulfide	4.76	76	19954	0.12	ppbv #	74
28) Methyl tert-Butyl Ether	5.28	73	15353	0.10	ppbv	98
29) Chloroform	5.99	83	28235	0.13	ppbv	87
30) Cyclohexane	7.40	84	4962	0.05	ppbv #	1
31) cis-1,2-Dichloroethene	5.78	61	6206	0.05	ppbv #	88
32) 1,1,1-Trichloroethane	6.77	97	27150	0.13	ppbv	97
34) 2-Butanone	5.50	43	21735	0.13	ppbv	97
35) Carbon Tetrachloride	7.30	117	9206	0.04	ppbv	84
36) Benzene	7.16	78	26104	0.11	ppbv	96
37) 1,2-Dichloroethane	6.56	62	24541	0.13	ppbv	99
38) Trichloroethene	8.12	130	6147	0.07	ppbv	97
39) 1,2-Dichloropropane	7.89	63	9197	0.10	ppbv #	89
40) 1,4-Dioxane	8.07	88	59	0.00	ppbv #	1
41) Tetrahydrofuran	6.33	42	8401	0.09	ppbv	97
42) Bromodichloromethane	8.07	83	14818	0.07	ppbv #	97
43) Methyl Methacrylate	8.29	69	1488	0.02	ppbv #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.14	57	19381	0.05	ppbv #	41
45) t-1,3-Dichloropropene	9.59	75	2567	0.02	ppbv	93
46) cis-1,3-Dichloropropene	8.99	75	6434	0.04	ppbv	94
47) 1,1,2-Trichloroethane	9.79	97	10334	0.10	ppbv #	76
48) Dibromochloromethane	10.61	129	14927	0.08	ppbv	58
49) Bromoform	13.37	173	4840	0.03	ppbv #	1
50) 4-Methyl-2-Pentanone	9.05	43	3322	0.01	ppbv #	41
51) 2-Hexanone	10.46	43	4013	0.02	ppbv #	1
52) Tetrachloroethene	11.54	164	5699	0.06	ppbv #	77
53) Toluene	10.11	91	23794	0.08	ppbv	99
54) 1,2-Dibromoethane	10.92	107	10213	0.06	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.44	131	2701	0.02	ppbv #	1
57) Chlorobenzene	12.47	112	30440	0.13	ppbv	94
58) Ethyl Benzene	13.03	91	24078	0.06	ppbv #	88
59) m/p-Xylene	13.32	91	24956	0.07	ppbv #	9
60) o-Xylene	14.02	91	28251	0.08	ppbv	98
61) Styrene	13.85	104	2762	0.04	ppbv #	18
62) Isopropylbenzene	15.00	105	9699	0.02	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	14.00	83	17858	0.08	ppbv #	47
64) n-propylbenzene	15.89	120	1588	0.02	ppbv #	1
65) tert-Butylbenzene	17.08	119	15286	0.04	ppbv #	1
66) Benzyl Chloride	17.32	91	879	0.02	ppbv #	70
67) sec-Butylbenzene	17.63	105	29894	0.06	ppbv #	77
69) p-Isopropyltoluene	17.98	119	3773	0.01	ppbv #	1
70) n-Butylbenzene	18.89	91	35293	0.08	ppbv	95
71) 2-Chlorotoluene	15.78	91	28924	0.09	ppbv	96
72) 4-Ethyltoluene	16.17	105	12089	0.04	ppbv #	42
73) 1,3,5-Trimethylbenzene	16.33	105	24992	0.08	ppbv	91
74) 1,2,4-Trimethylbenzene	17.10	105	29563	0.09	ppbv #	85
75) 1,3-Dichlorobenzene	17.33	146	10260	0.05	ppbv #	1
76) 1,4-Dichlorobenzene	17.48	146	12606	0.06	ppbv #	23
77) 1,2-Dichlorobenzene	18.16	146	18484	0.09	ppbv	82
78) Hexachloro-1,3-Butadiene	23.69	225	4318	0.06	ppbv #	18
79) Naphthalene	22.60	128	4034	0.02	ppbv #	89
80) Naphthalene,2-methyl-	25.26	142	3685	0.06	ppbv	88
81) 1,2,4-Trichlorobenzene	22.33	180	2656	0.02	ppbv #	12

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

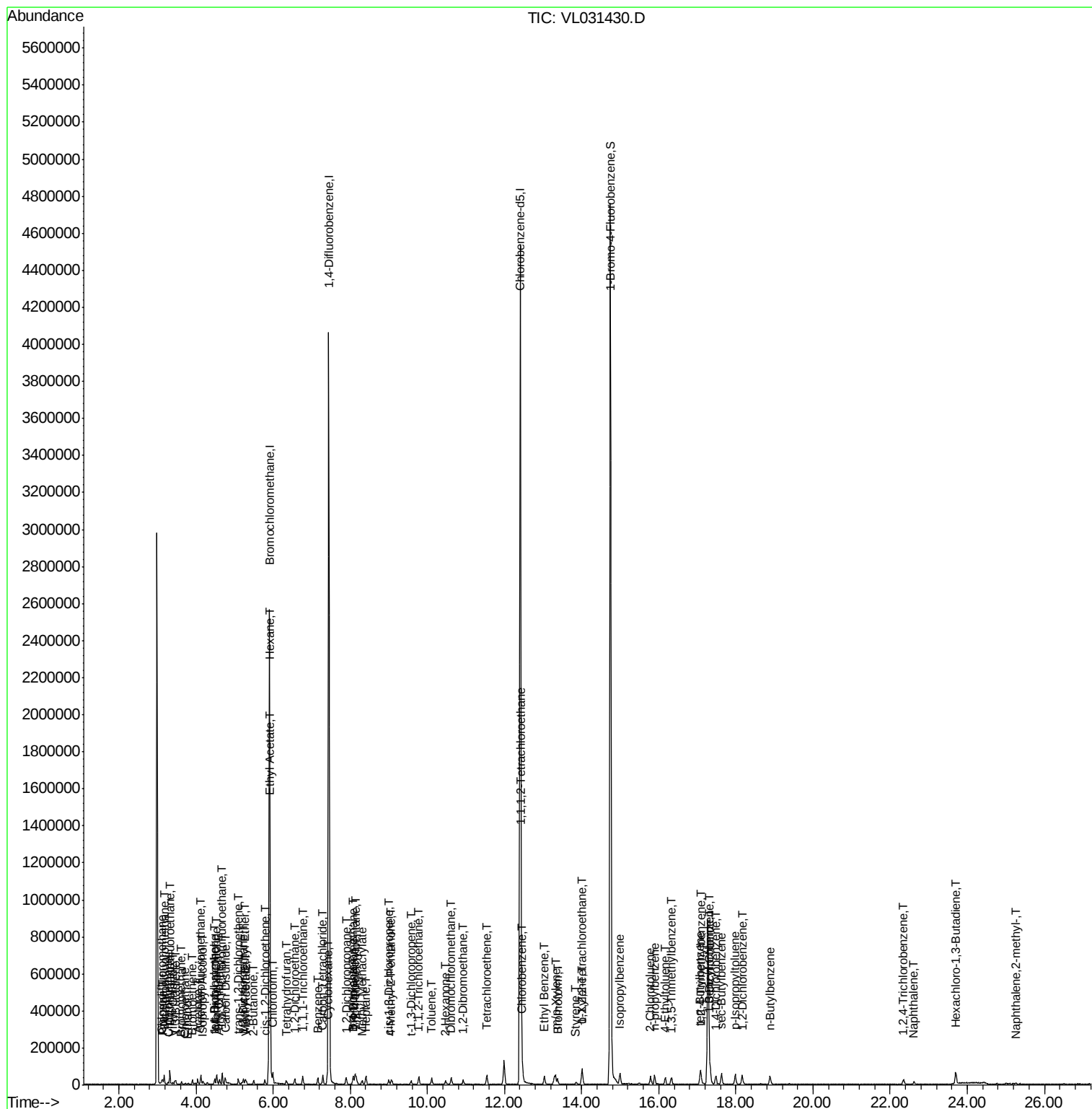
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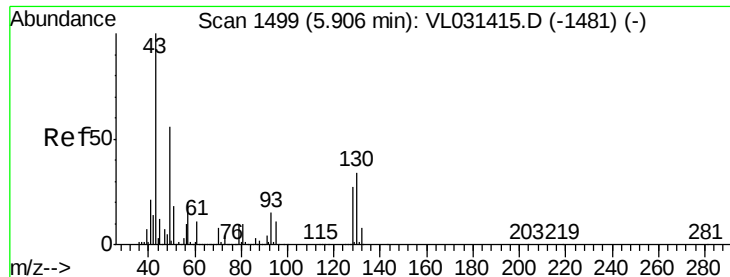
Data Path   : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
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ALS Vial    : 1      Sample Multiplier: 1

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Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

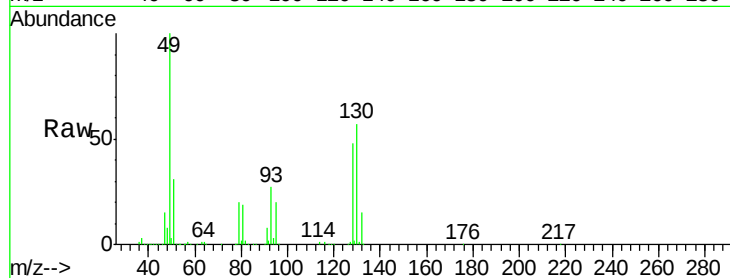
Tgt Ion: 49 Resp: 1196019

Ion Ratio Lower Upper

49 100

128 45.1 23.5 70.6

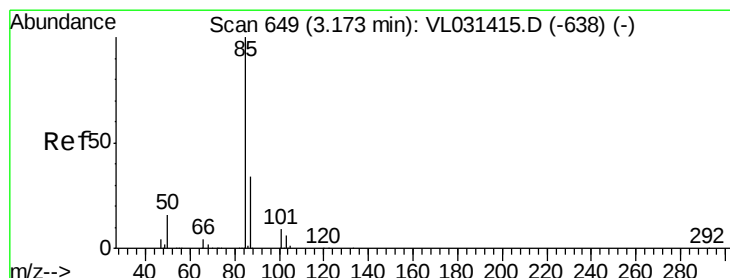
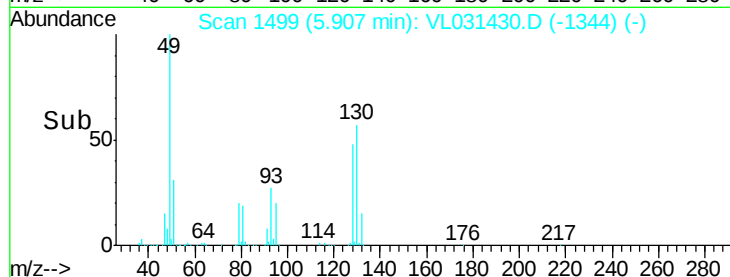
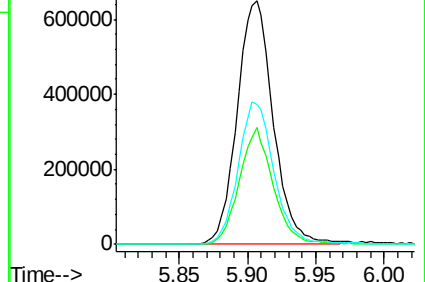
130 58.4 29.9 89.7



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: 0.21 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031430.D

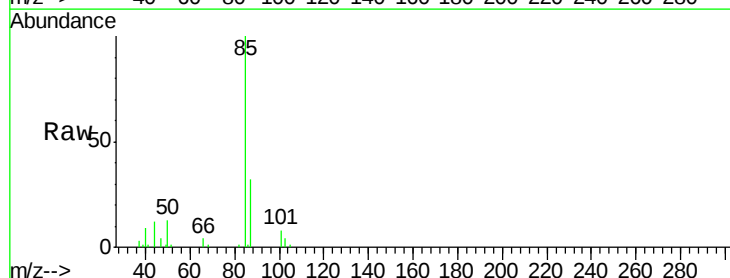
Acq: 23 Jan 2018 00:15

Tgt Ion: 85 Resp: 36219

Ion Ratio Lower Upper

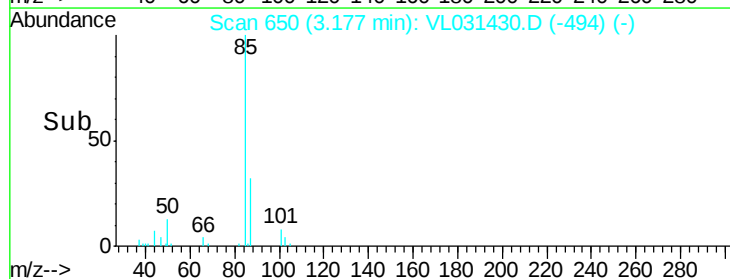
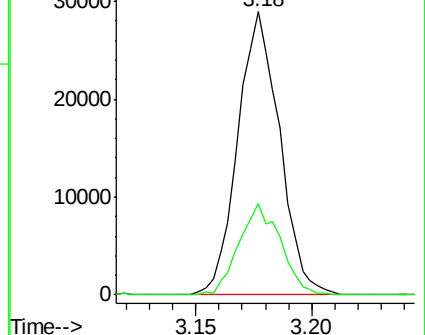
85 100

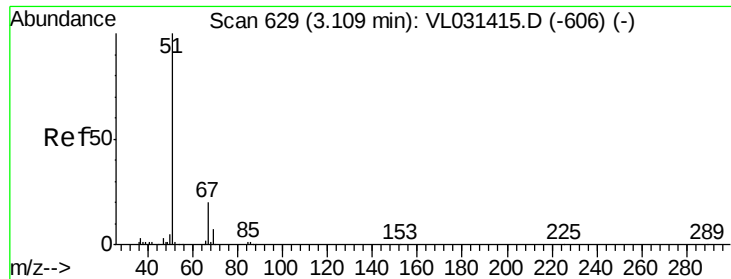
87 32.4 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.14 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

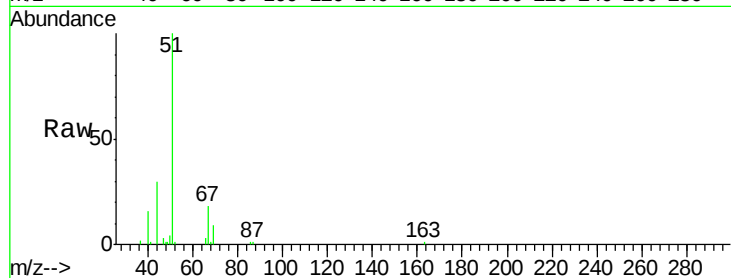
MDL-AIR-5

Tgt Ion: 51 Resp: 21591

Ion Ratio Lower Upper

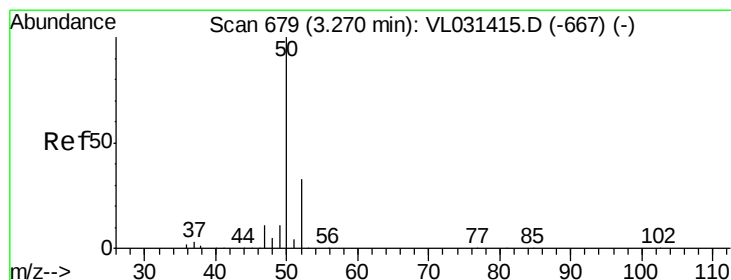
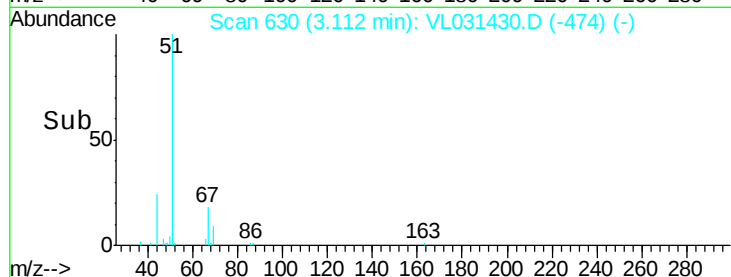
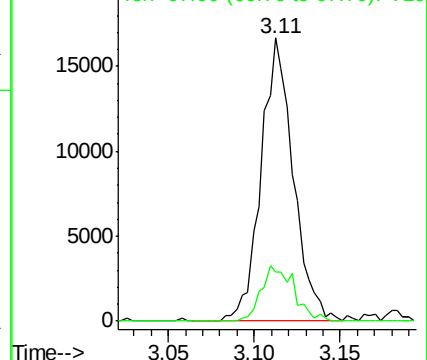
51 100

67 19.9 16.0 24.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.06 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL031430.D

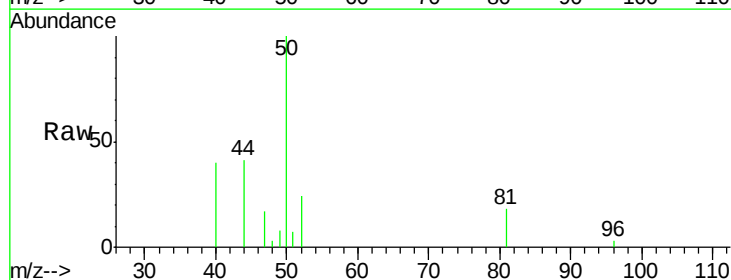
Acq: 23 Jan 2018 00:15

Tgt Ion: 50 Resp: 4277

Ion Ratio Lower Upper

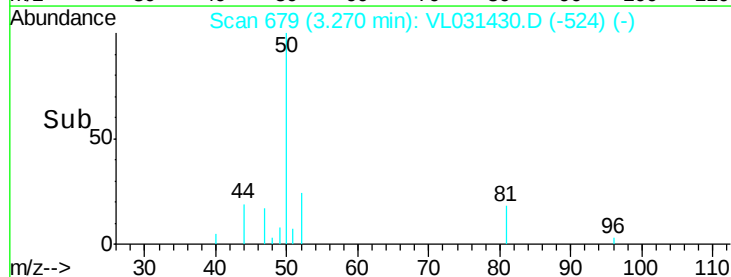
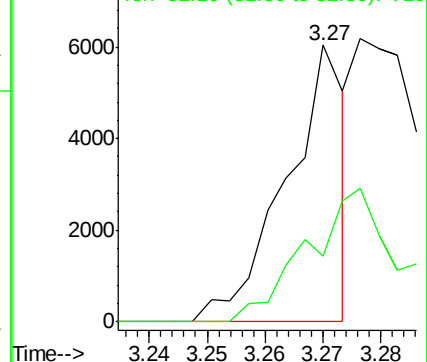
50 100

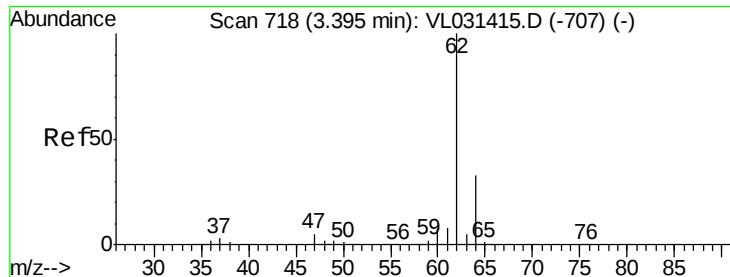
52 22.1 26.4 39.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.12 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

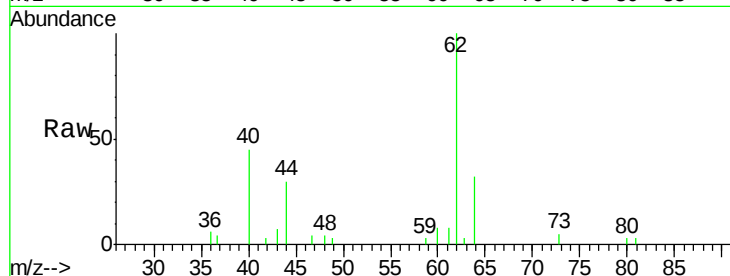
MDL-AIR-5

Tgt Ion: 62 Resp: 8324

Ion Ratio Lower Upper

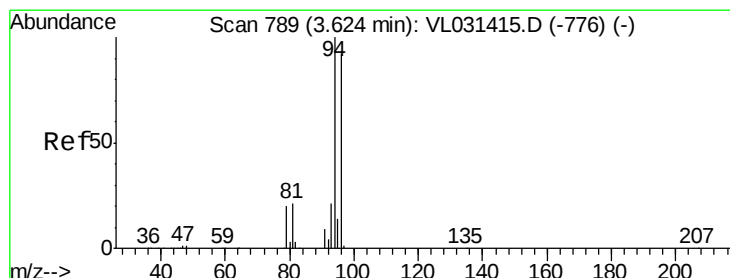
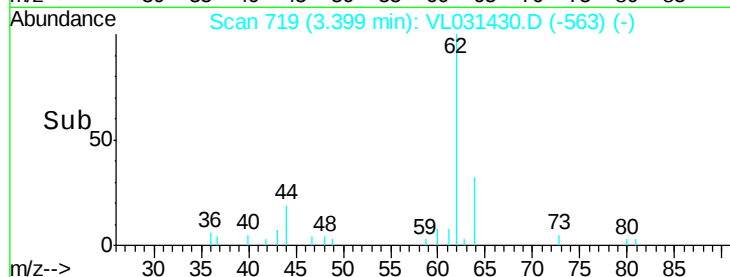
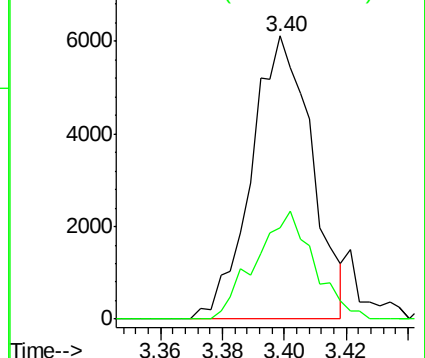
62 100

64 31.4 25.4 38.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.08 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031430.D

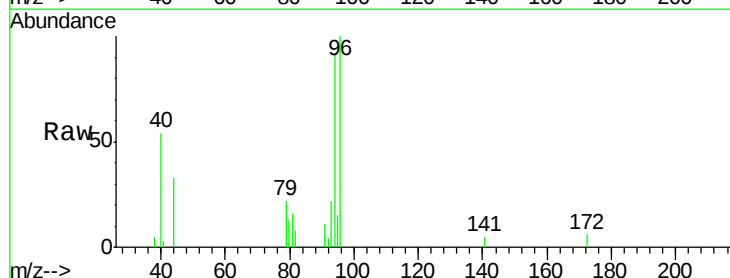
Acq: 23 Jan 2018 00:15

Tgt Ion: 94 Resp: 3957

Ion Ratio Lower Upper

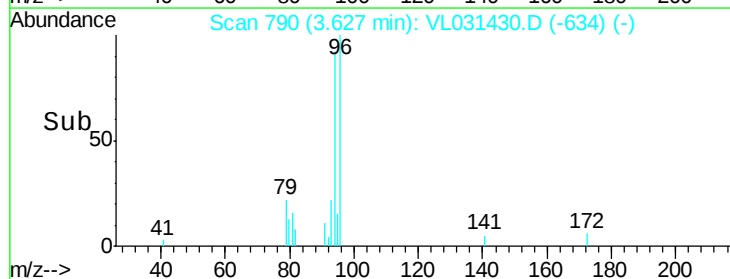
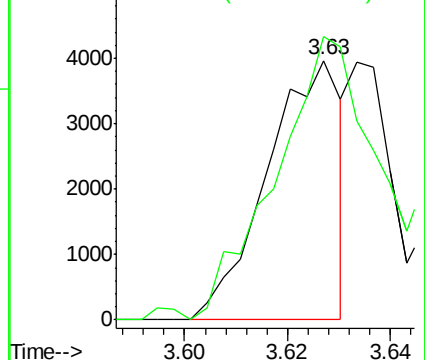
94 100

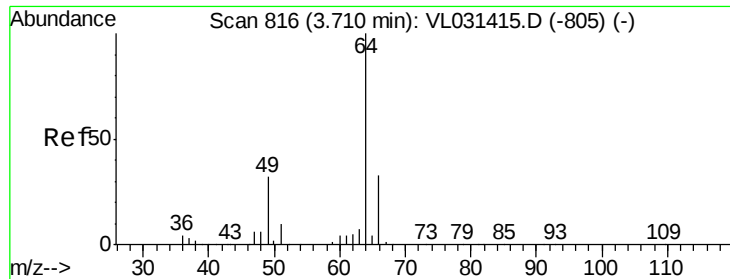
96 109.2 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.06 ppbv

RT: 3.71 min Scan# 816

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

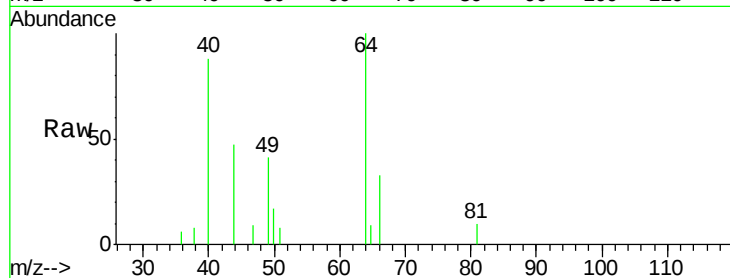
MDL-AIR-5

Tgt Ion: 64 Resp: 1884

Ion Ratio Lower Upper

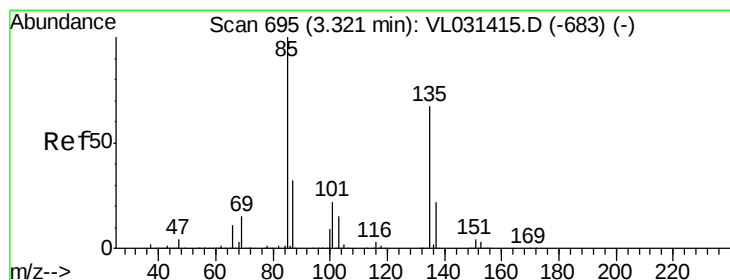
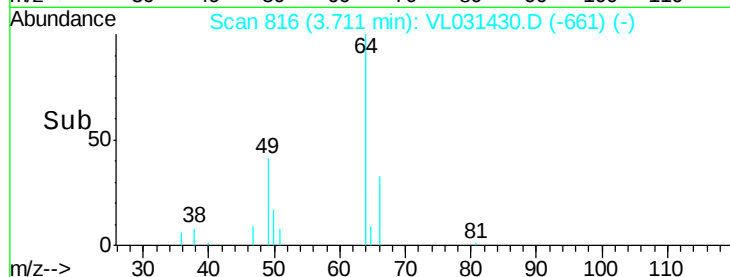
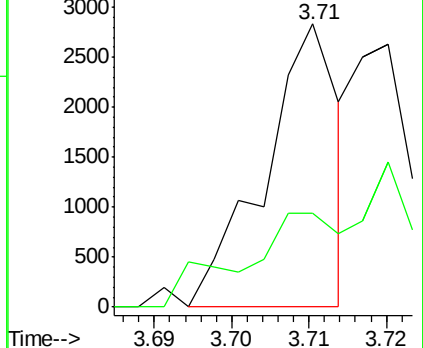
64 100

66 30.5 26.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.14 ppbv

RT: 3.33 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL031430.D

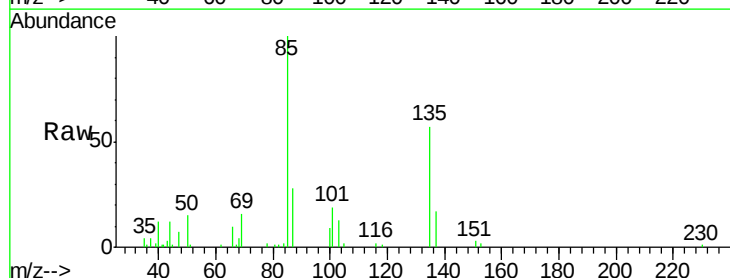
Acq: 23 Jan 2018 00:15

Tgt Ion: 85 Resp: 26913

Ion Ratio Lower Upper

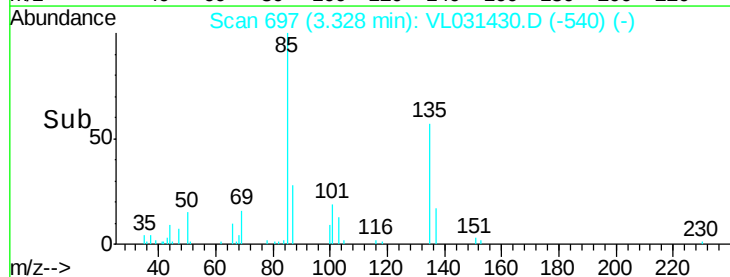
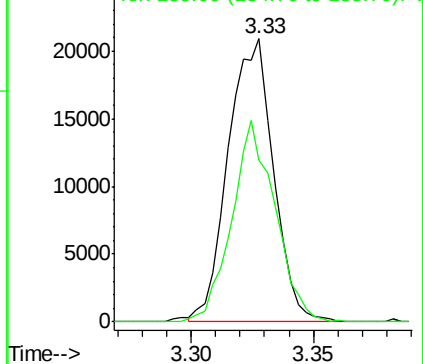
85 100

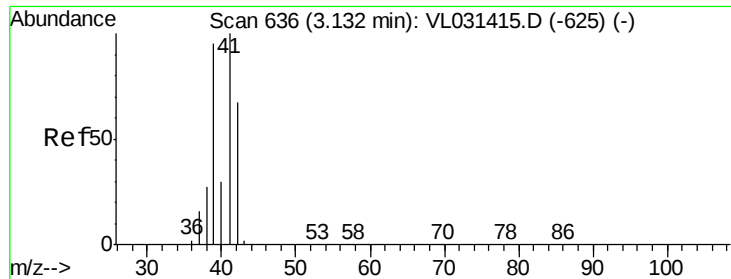
135 67.9 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.06 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

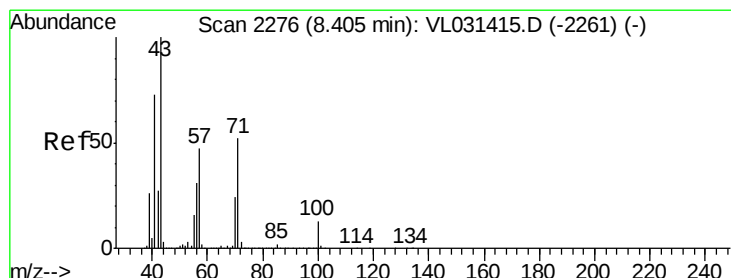
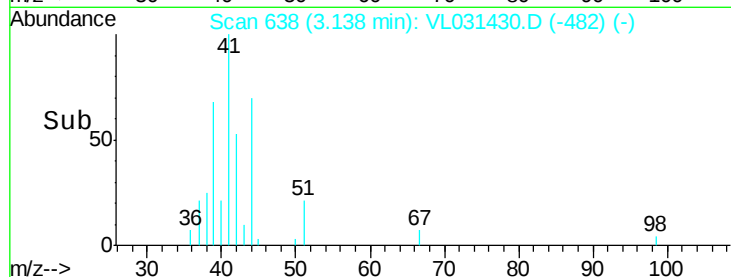
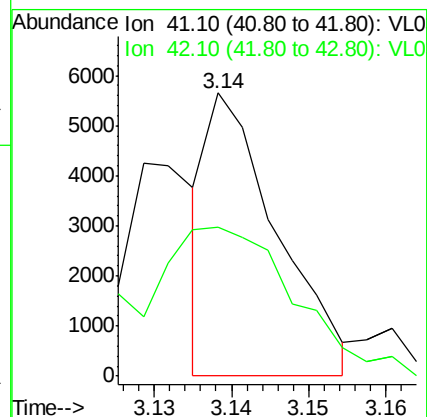
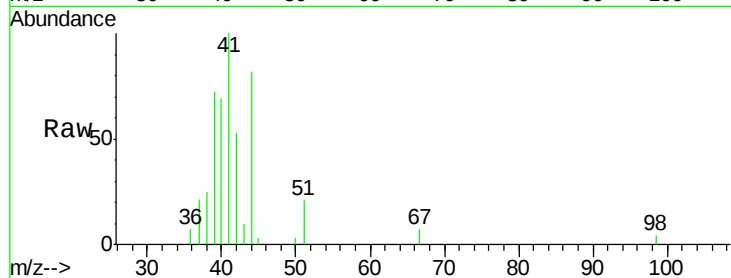
MDL-AIR-5

Tgt Ion: 41 Resp: 3545

Ion Ratio Lower Upper

41 100

42 122.4 54.6 82.0#



#10

Heptane

Concen: 0.04 ppbv

RT: 8.40 min Scan# 2276

Delta R.T. -0.00 min

Lab File: VL031430.D

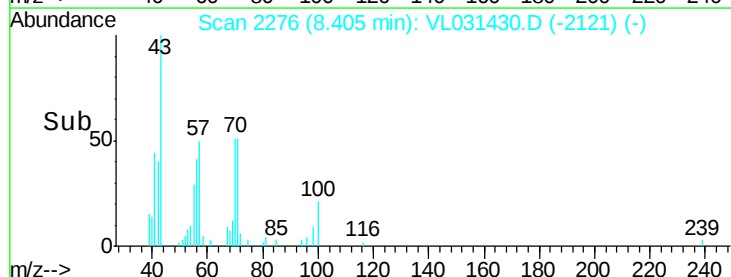
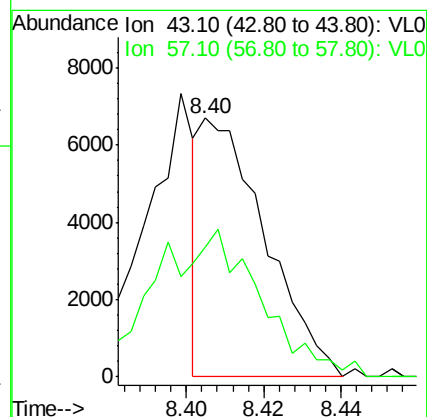
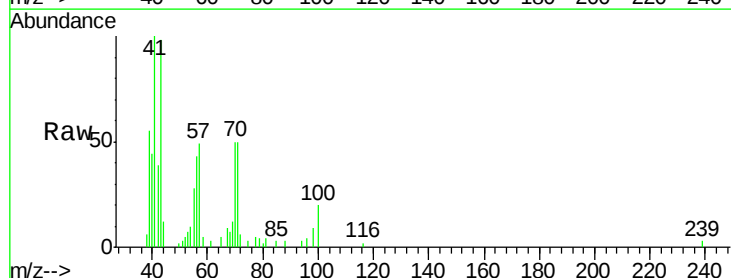
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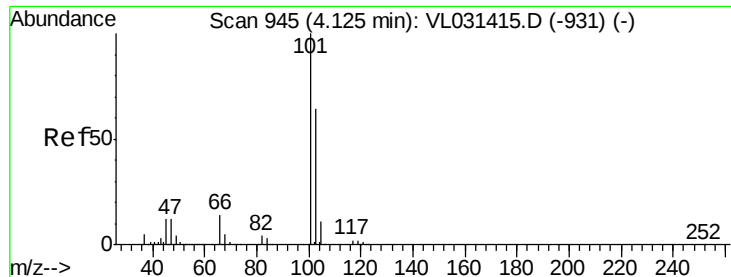
Tgt Ion: 43 Resp: 7733

Ion Ratio Lower Upper

43 100

57 96.9 39.7 59.5#

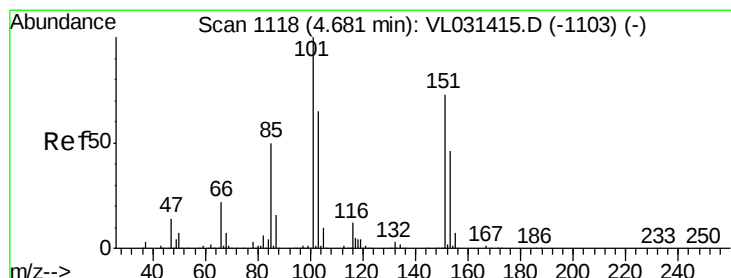
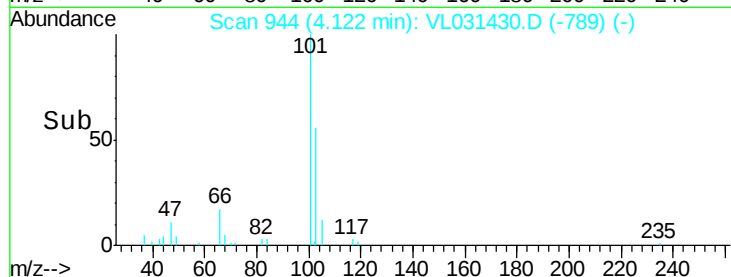
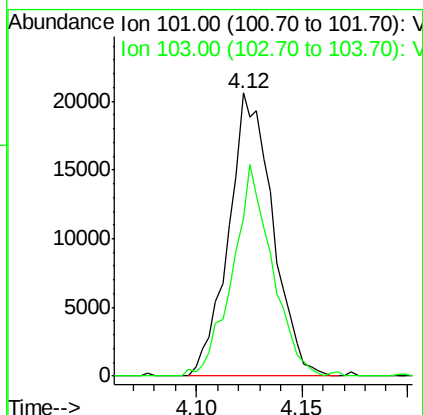
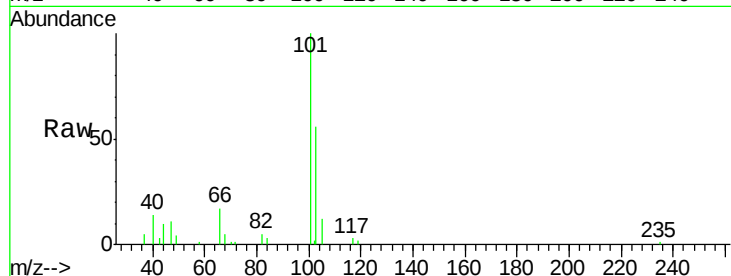




#11
 Trichlorofluoromethane
 Concen: 0.13 ppbv
 RT: 4.12 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

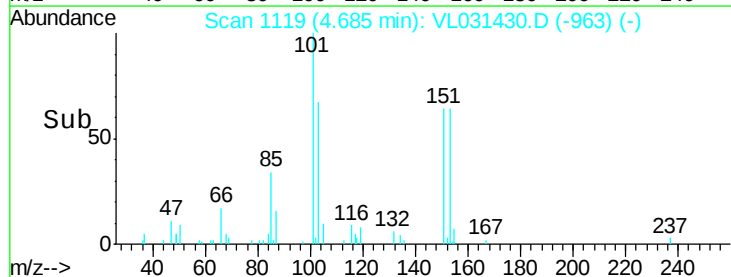
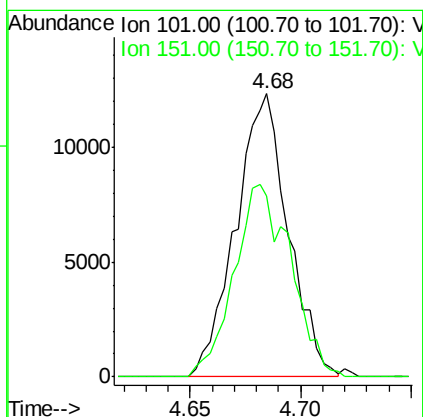
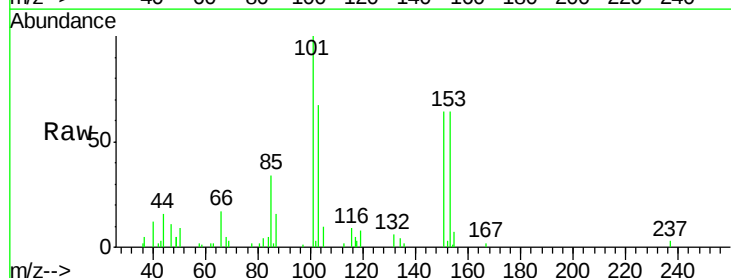
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

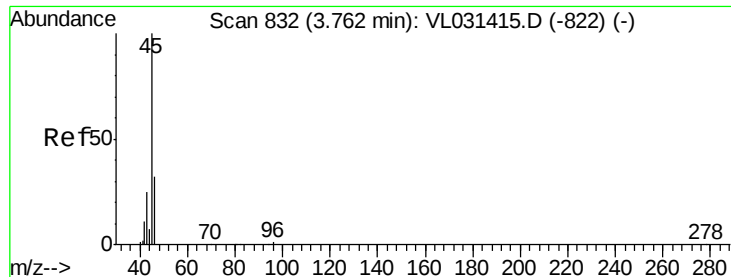
Tgt Ion:101 Resp: 29851
 Ion Ratio Lower Upper
 101 100
 103 54.6 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.14 ppbv
 RT: 4.68 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Tgt Ion:101 Resp: 20407
 Ion Ratio Lower Upper
 101 100
 151 73.0 58.1 87.1





#13

Ethanol

Concen: 0.20 ppbv

RT: 3.78 min Scan# 839

Delta R.T. 0.02 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

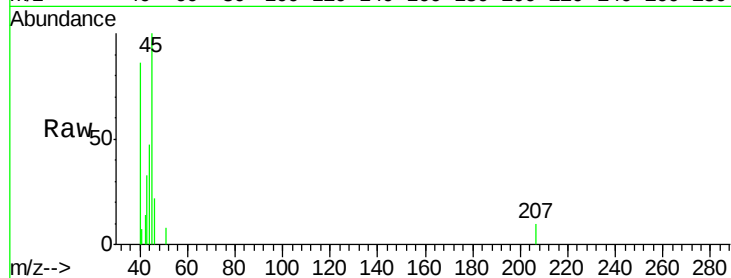
MDL-AIR-5

Tgt Ion: 45 Resp: 3267

Ion Ratio Lower Upper

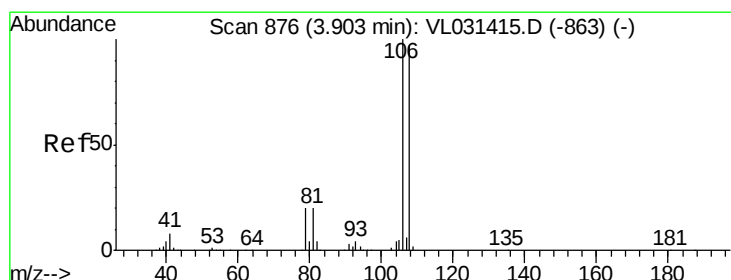
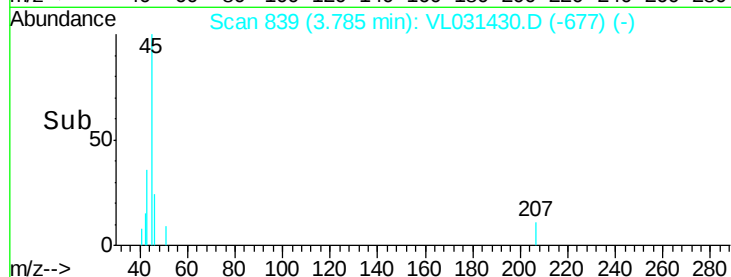
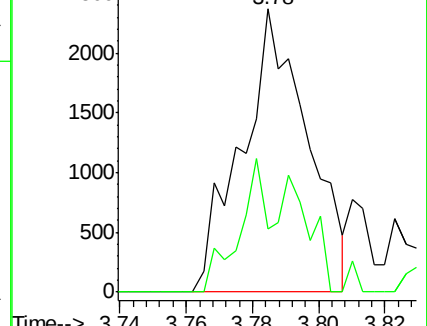
45 100

46 40.8 14.9 59.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.13 ppbv

RT: 3.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

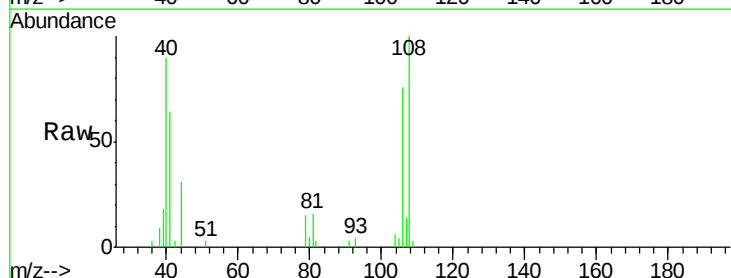
Tgt Ion: 108 Resp: 7715

Ion Ratio Lower Upper

108 100

106 114.5 85.3 127.9

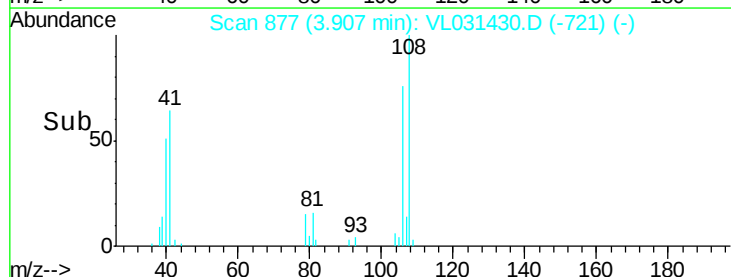
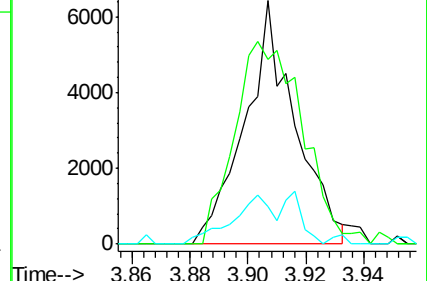
79 25.0 16.8 25.2

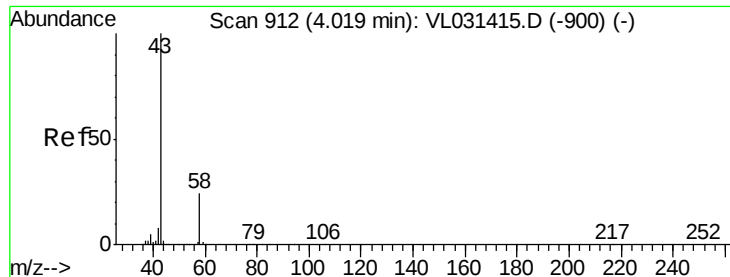


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.19 ppbv

RT: 4.04 min Scan# 919

Delta R.T. 0.02 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

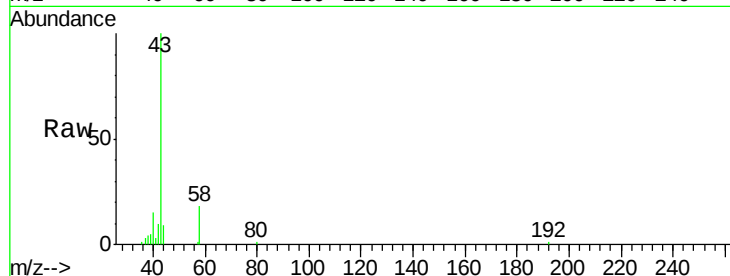
MDL-AIR-5

Tgt Ion: 43 Resp: 30767

Ion Ratio Lower Upper

43 100

58 24.0 19.4 29.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

20000

15000

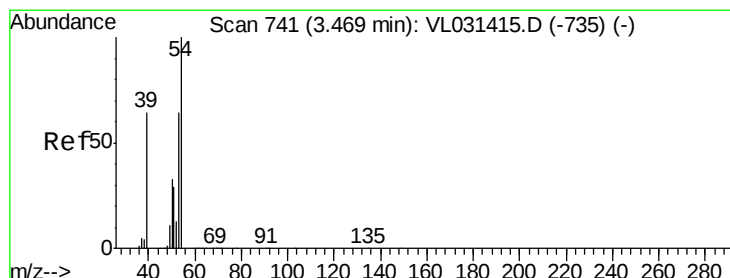
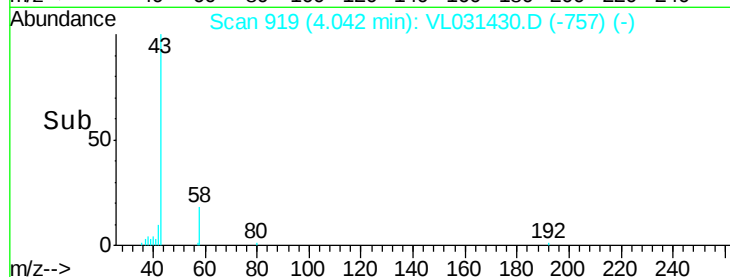
10000

5000

0

Time-->

4.00 4.05 4.10



#16

1,3-Butadiene

Concen: 0.11 ppbv

RT: 3.48 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL031430.D

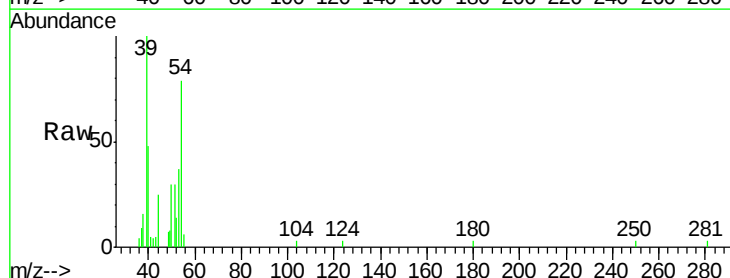
Acq: 23 Jan 2018 00:15

Tgt Ion: 39 Resp: 7149

Ion Ratio Lower Upper

39 100

54 95.8 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.48

6000

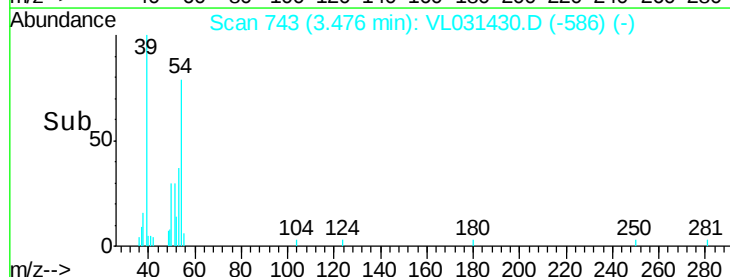
4000

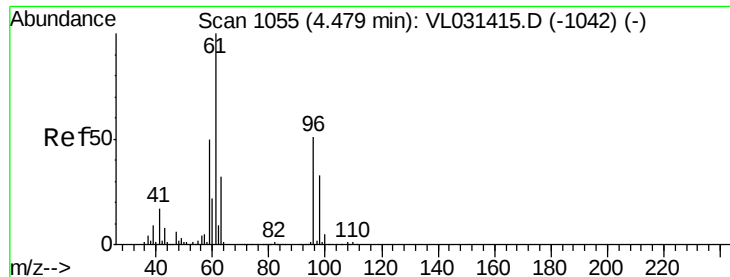
2000

0

Time-->

3.46 3.48 3.50





#17

tert-Butyl alcohol

Concen: 0.00 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

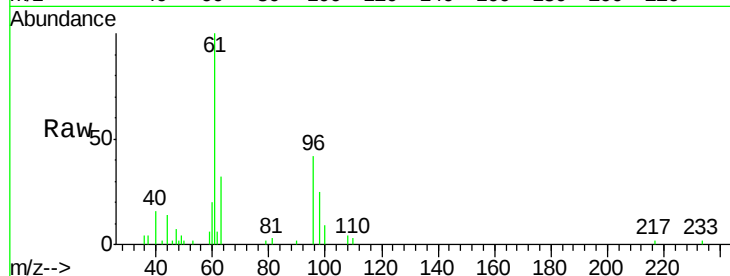
MDL-AIR-5

Tgt Ion: 59 Resp: 383

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.48

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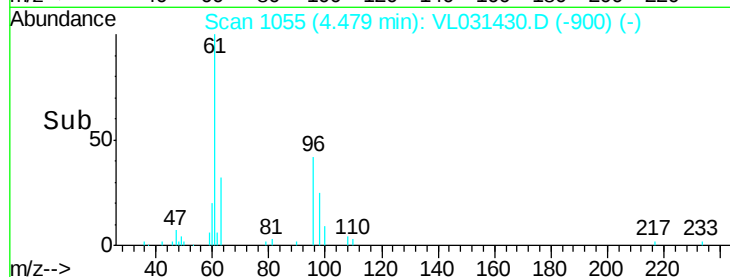
4.48

4.48

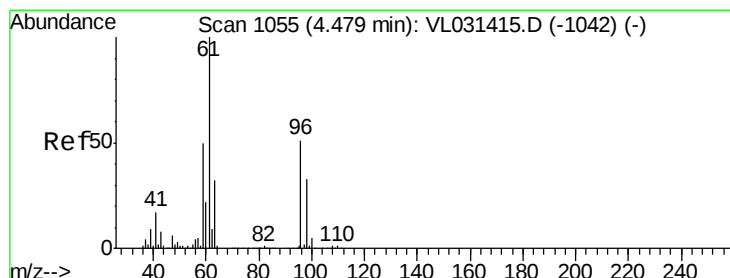
4.48

4.48

4.48



Time-->



#18

1,1-Dichloroethene

Concen: 0.08 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

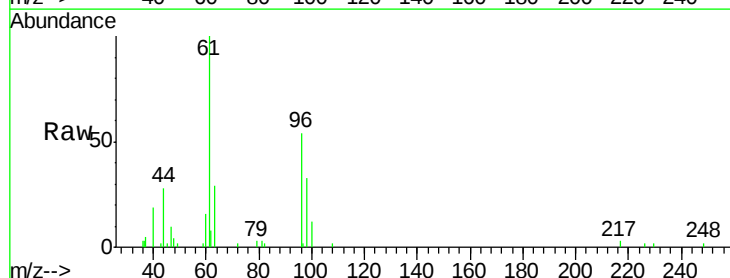
Tgt Ion: 96 Resp: 4793

Ion Ratio Lower Upper

96 100

61 181.5 161.6 242.4

98 57.7 49.6 74.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.48

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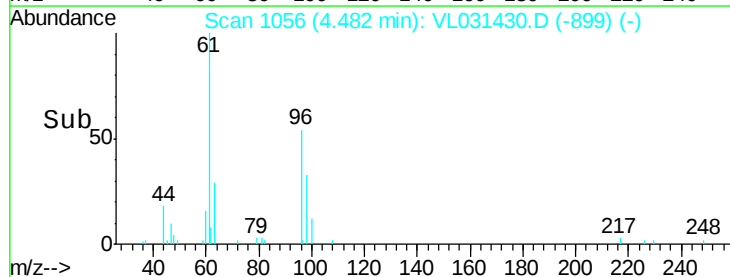
4.48

4.48

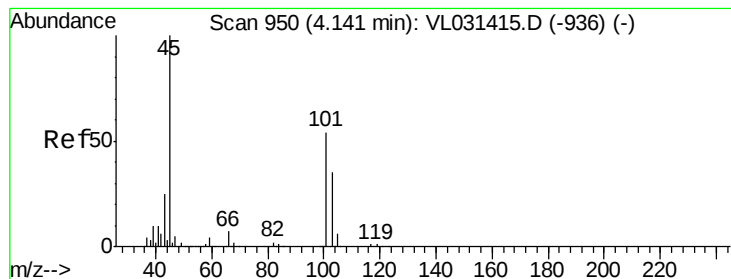
4.48

4.48

4.48



Time-->



#19

Isopropyl Alcohol

Concen: 0.13 ppbv

RT: 4.17 min Scan# 960

Delta R.T. 0.03 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

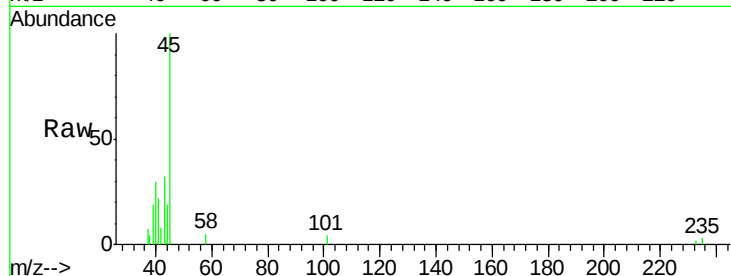
MDL-AIR-5

Tgt Ion: 45 Resp: 12695

Ion Ratio Lower Upper

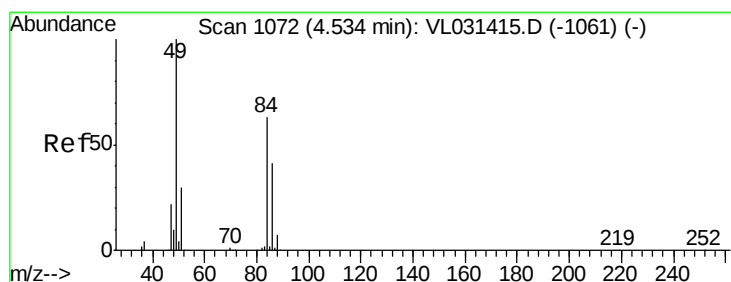
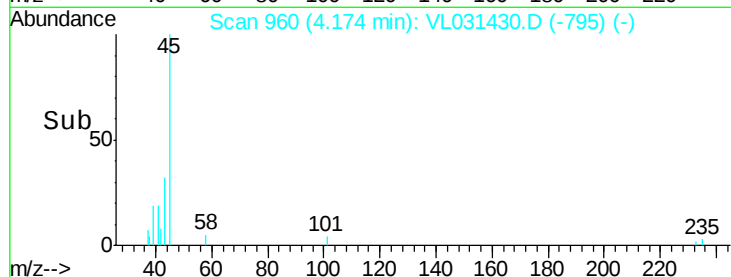
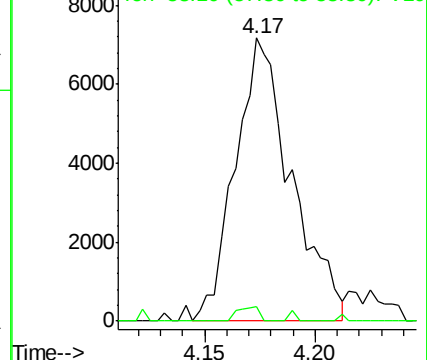
45 100

58 2.3 1.0 1.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.18 ppbv

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Tgt Ion: 84 Resp: 11341

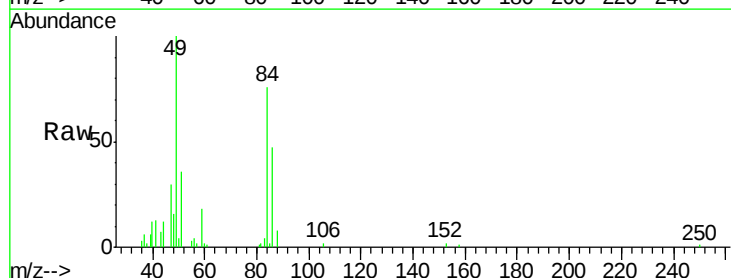
Ion Ratio Lower Upper

84 100

49 124.6 123.4 185.0

51 43.8 35.6 53.4

86 59.2 49.4 74.2

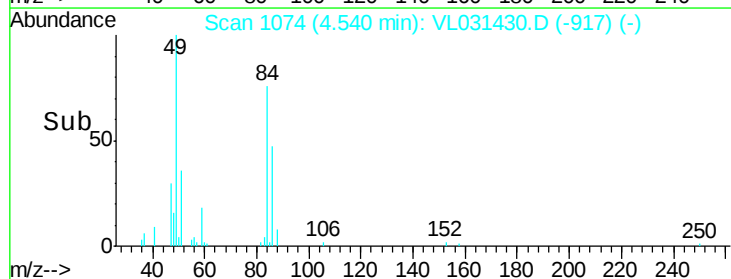
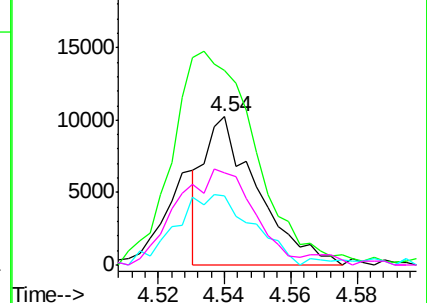


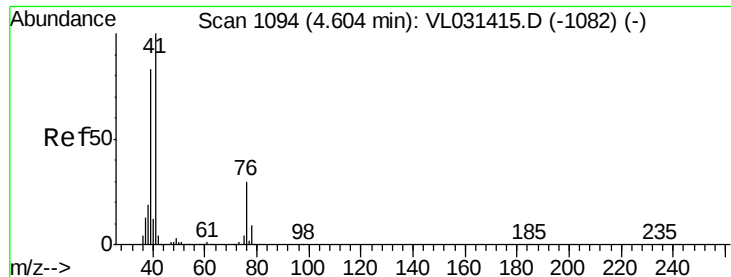
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

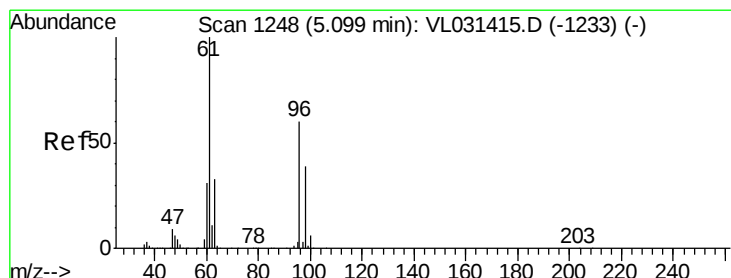
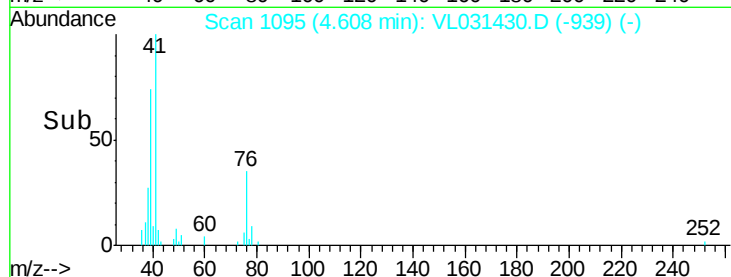
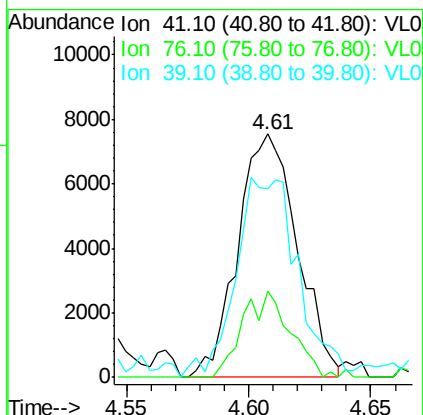
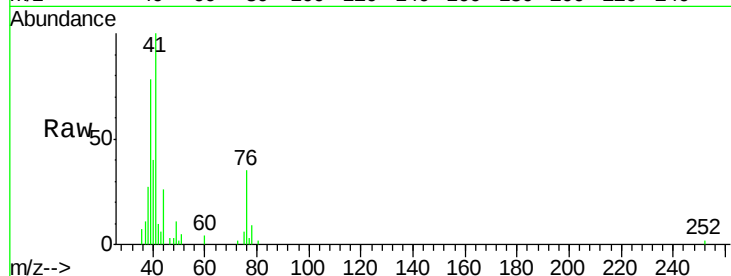




#21
 Allyl Chloride
 Concen: 0.13 ppbv
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

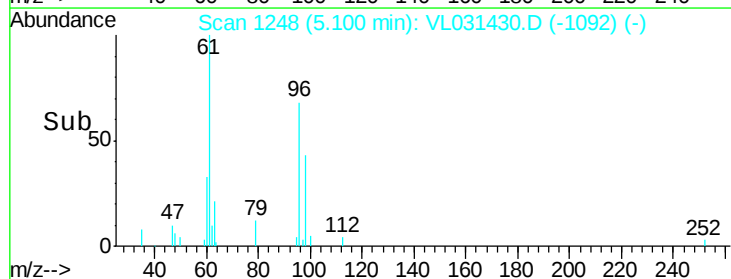
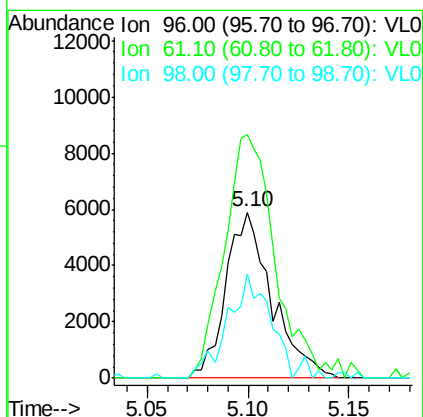
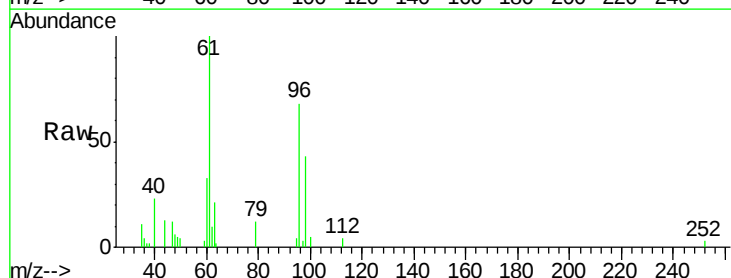
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

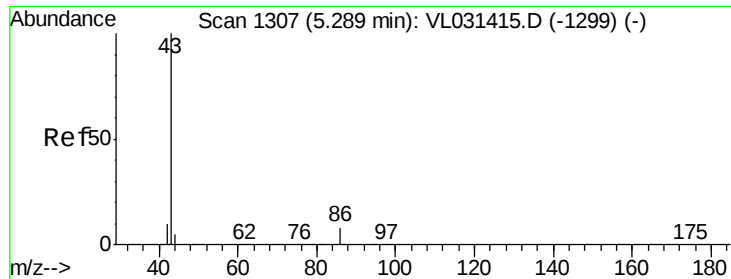
Tgt Ion: 41 Resp: 12719
 Ion Ratio Lower Upper
 41 100
 76 28.7 24.2 36.2
 39 92.3 69.8 104.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.15 ppbv
 RT: 5.10 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Tgt Ion: 96 Resp: 9415
 Ion Ratio Lower Upper
 96 100
 61 146.7 135.0 202.4
 98 62.6 52.2 78.2

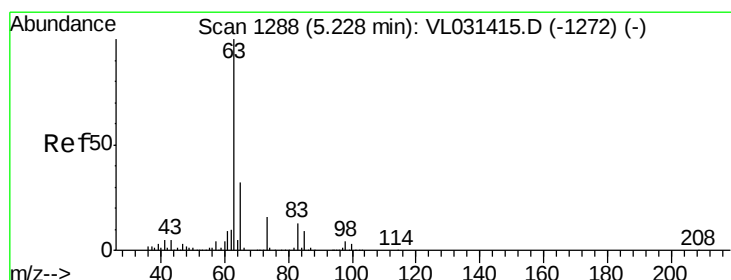
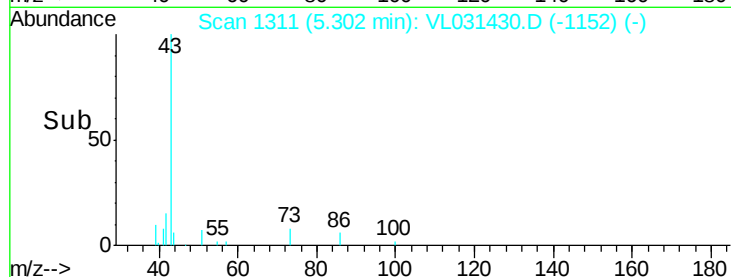
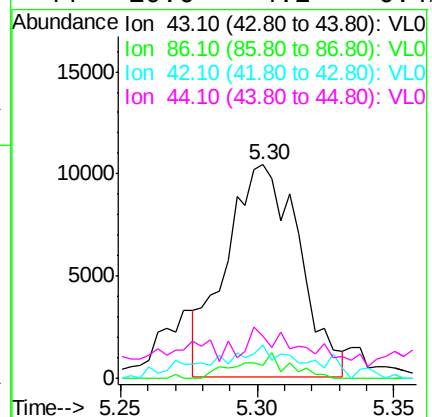
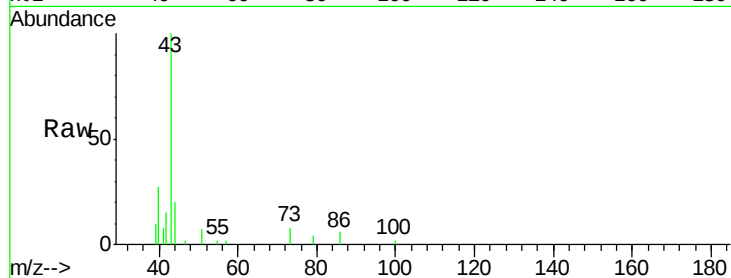




#23
 Vinyl Acetate
 Concen: 0.10 ppbv
 RT: 5.30 min Scan# 1311
 Delta R.T. 0.01 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

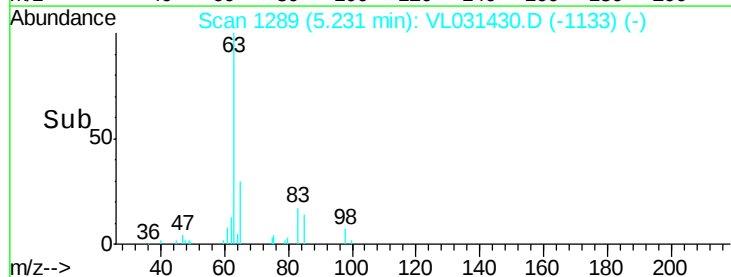
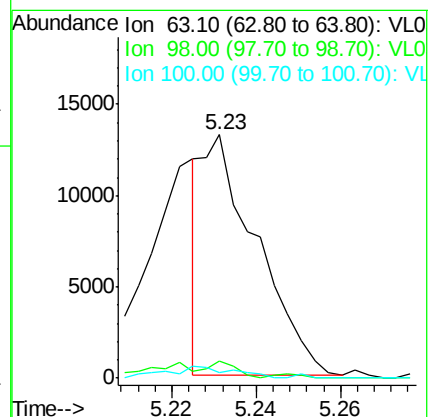
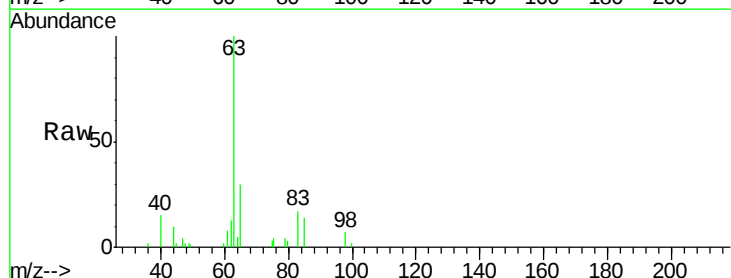
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

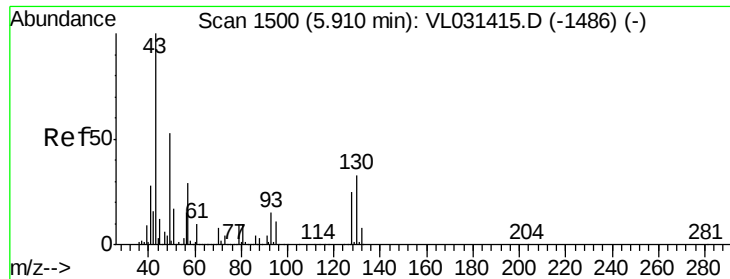
Tgt Ion: 43 Resp: 19344
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.6 8.4
 42 12.0 8.6 12.8
 44 10.6 4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 0.07 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Tgt Ion: 63 Resp: 11685
 Ion Ratio Lower Upper
 63 100
 98 7.2 2.4 7.1#
 100 2.3 1.3 3.9

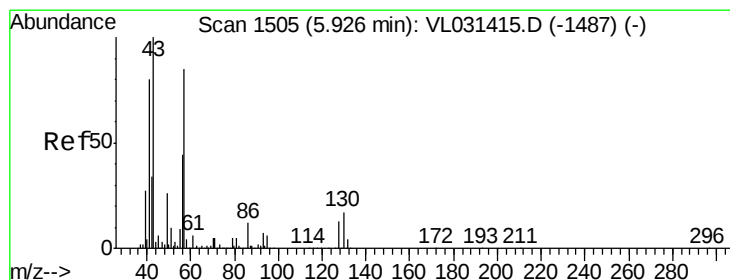
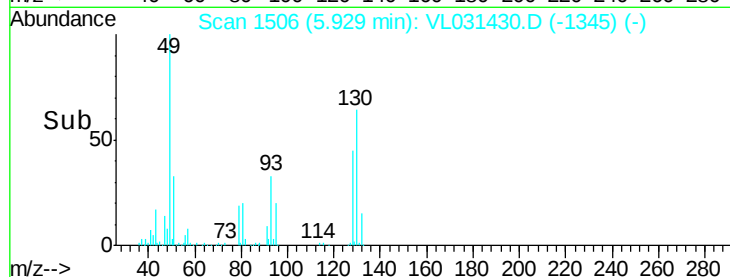
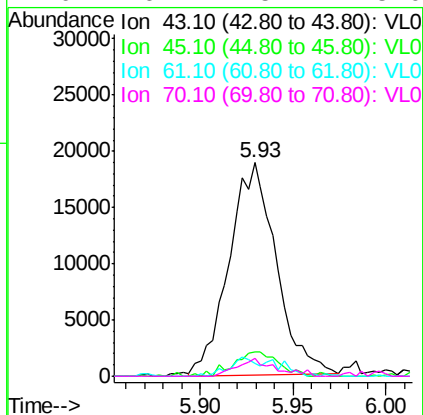
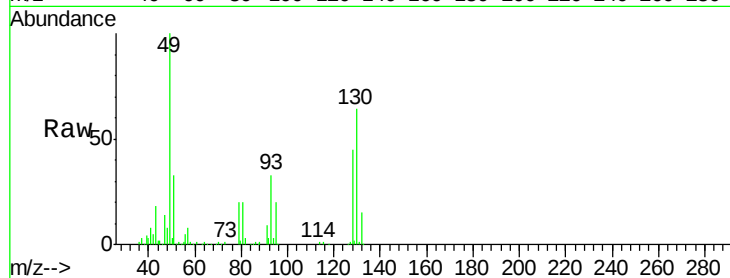




#25
Ethyl Acetate
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

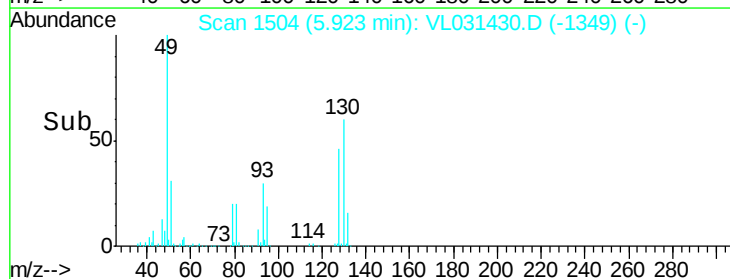
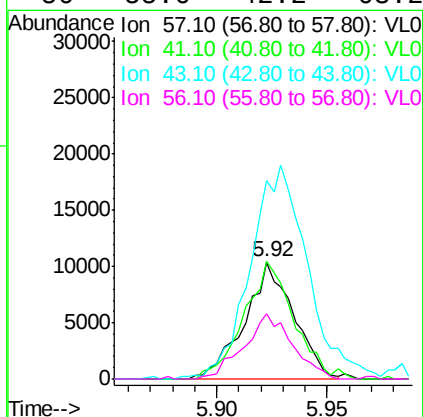
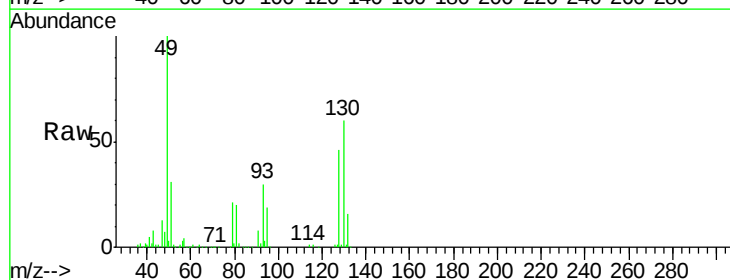
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

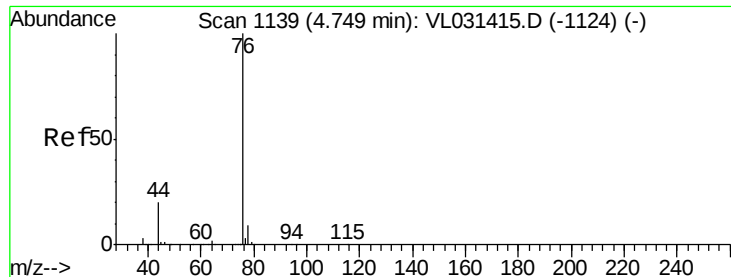
Tgt Ion:	43	Resp:	33377
Ion	Ratio	Lower	Upper
43	100		
45	11.4	7.8	11.6
61	8.9	7.0	10.6
70	6.7	5.4	8.0



#26
Hexane
Concen: 0.13 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

Tgt Ion:	57	Resp:	15956
Ion	Ratio	Lower	Upper
57	100		
41	102.6	77.1	115.7
43	214.7	180.7	271.1
56	55.6	42.2	63.2





#27

Carbon Disulfide

Concen: 0.12 ppbv

RT: 4.76 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

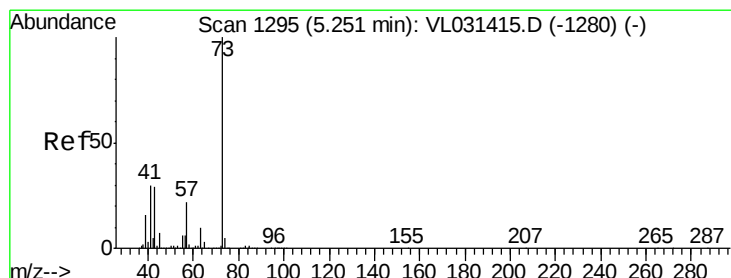
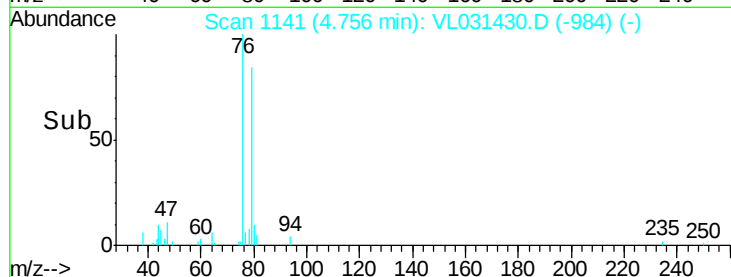
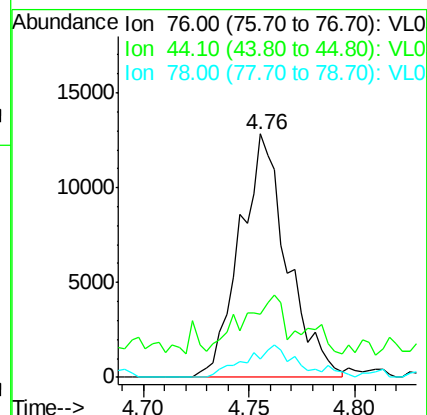
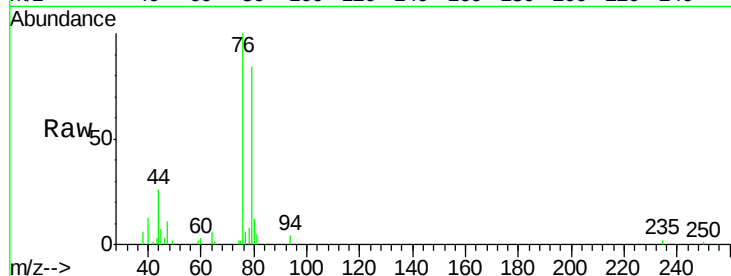
Tgt Ion: 76 Resp: 19954

Ion Ratio Lower Upper

76 100

44 35.5 16.7 25.1#

78 14.7 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.10 ppbv

RT: 5.28 min Scan# 1303

Delta R.T. 0.03 min

Lab File: VL031430.D

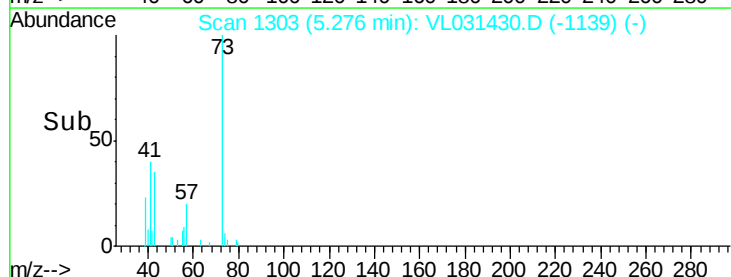
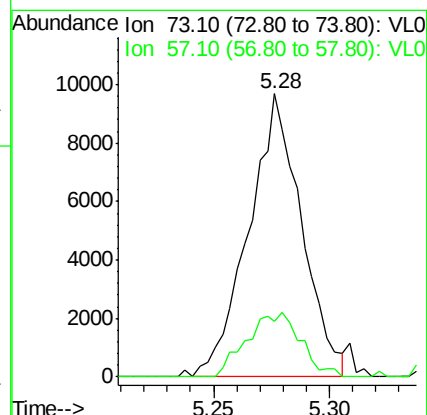
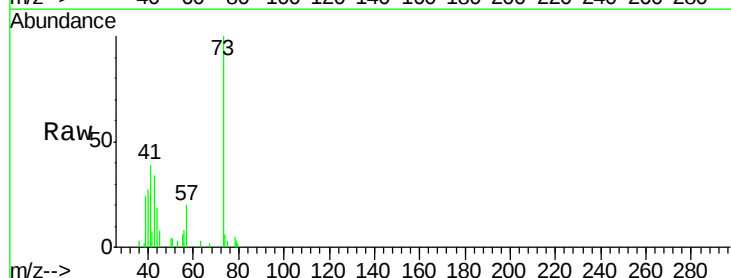
Acq: 23 Jan 2018 00:15

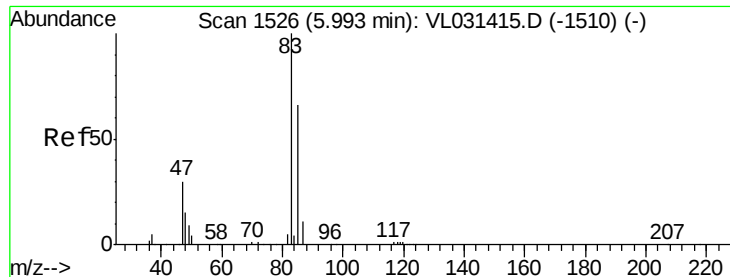
Tgt Ion: 73 Resp: 15353

Ion Ratio Lower Upper

73 100

57 23.1 17.5 26.3





#29

Chloroform

Concen: 0.13 ppbv

RT: 5.99 min Scan# 1526

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

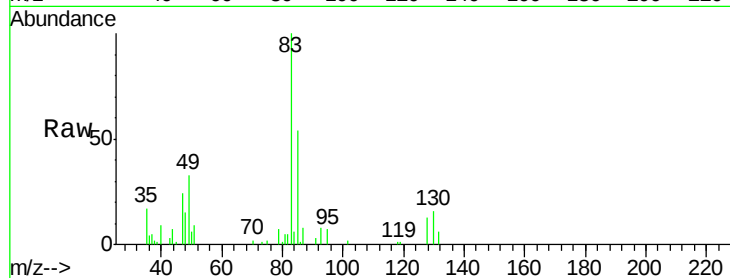
MDL-AIR-5

Tgt Ion: 83 Resp: 28235

Ion Ratio Lower Upper

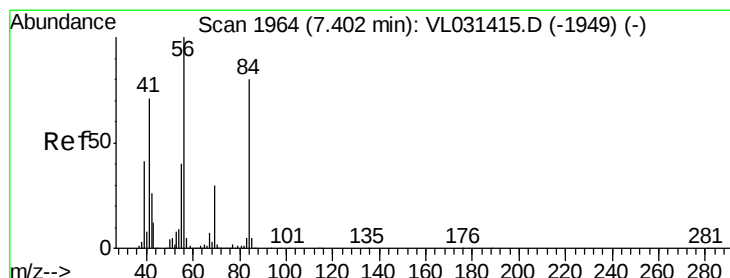
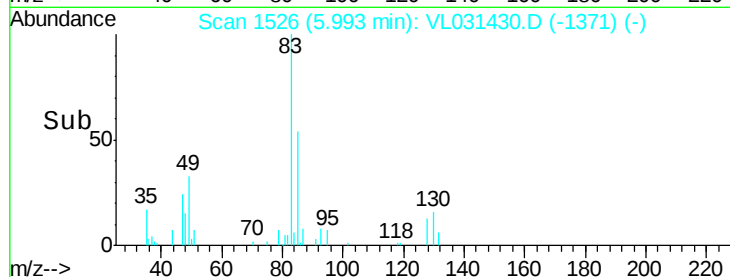
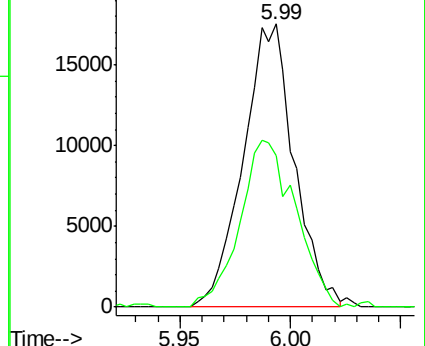
83 100

85 53.7 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.05 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

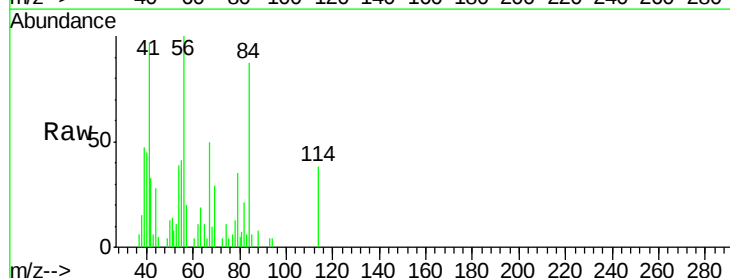
Tgt Ion: 84 Resp: 4962

Ion Ratio Lower Upper

84 100

56 0.0 109.0 163.4#

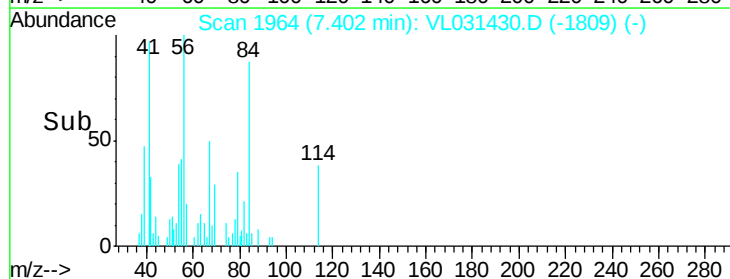
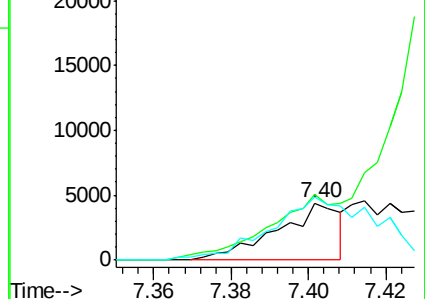
41 195.1 73.3 109.9#

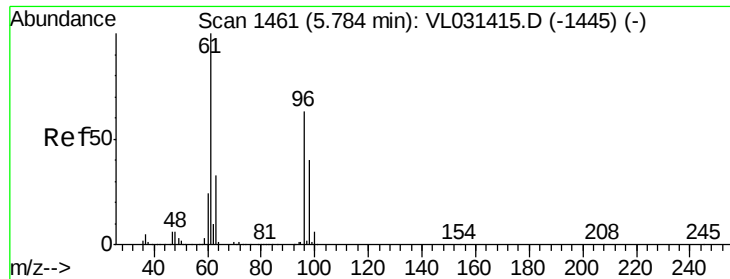


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.05 ppbv

RT: 5.78 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

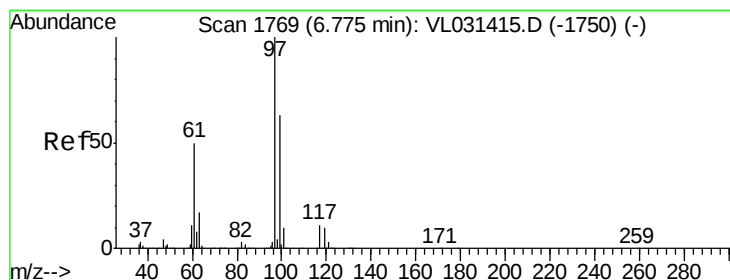
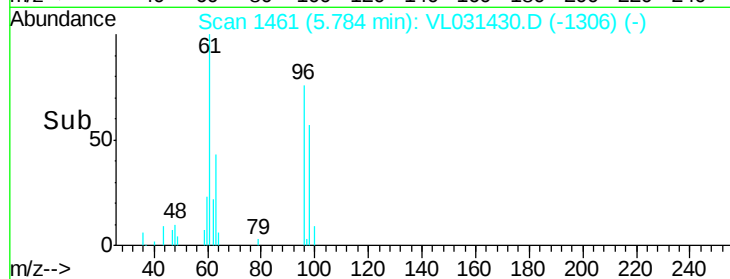
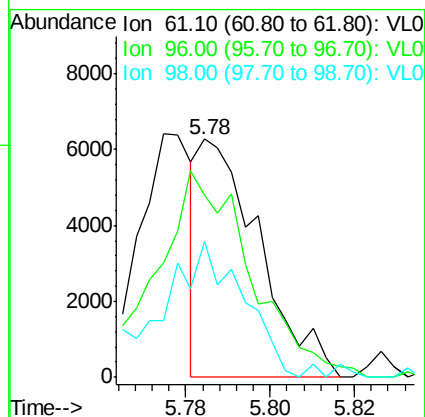
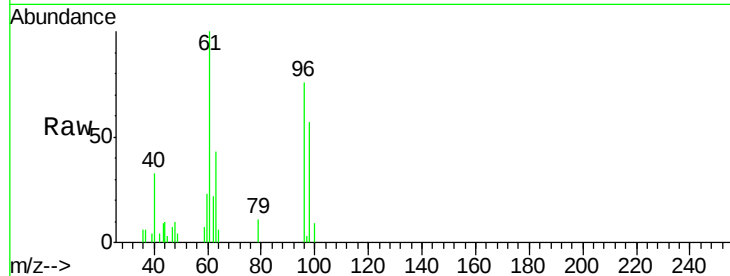
Tgt Ion: 61 Resp: 6206

Ion Ratio Lower Upper

61 100

96 71.9 51.3 76.9

98 51.3 33.6 50.4#



#32

1,1,1-Trichloroethane

Concen: 0.13 ppbv

RT: 6.77 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

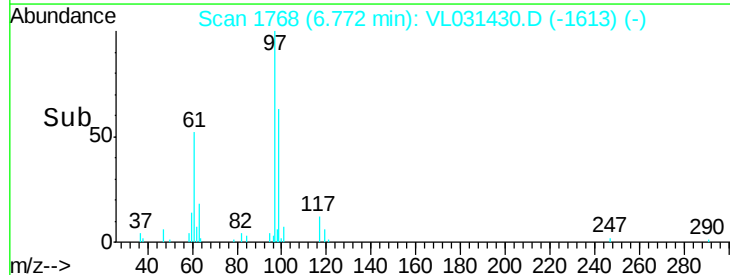
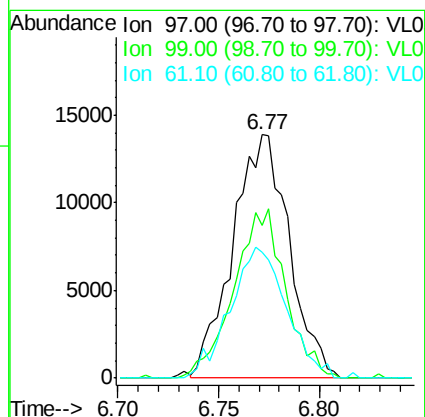
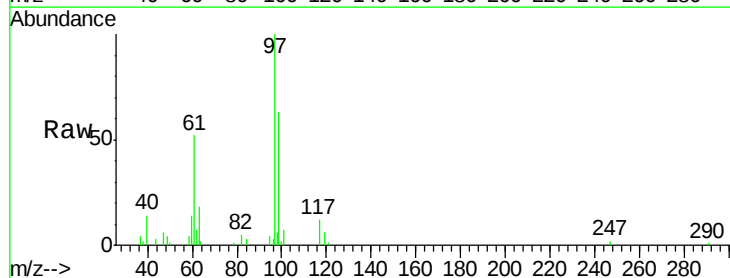
Tgt Ion: 97 Resp: 27150

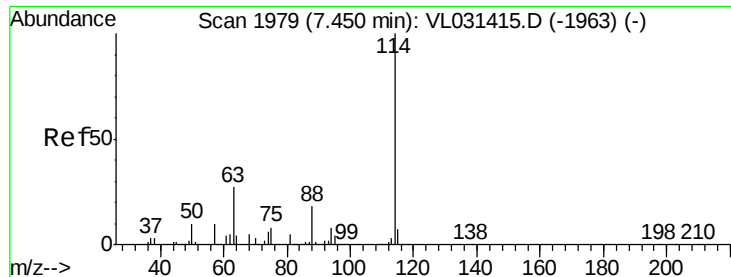
Ion Ratio Lower Upper

97 100

99 63.6 51.9 77.9

61 53.8 40.6 61.0

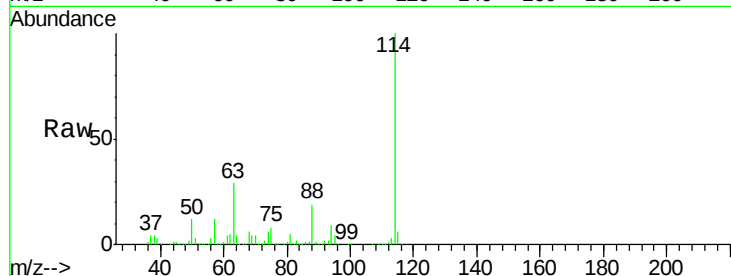




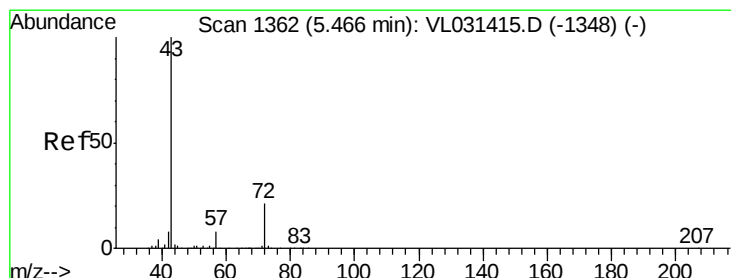
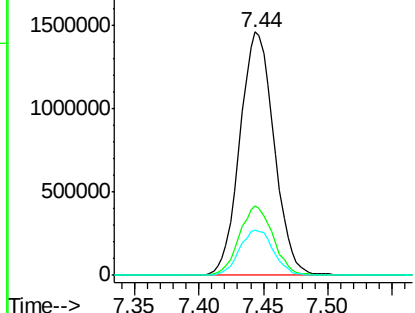
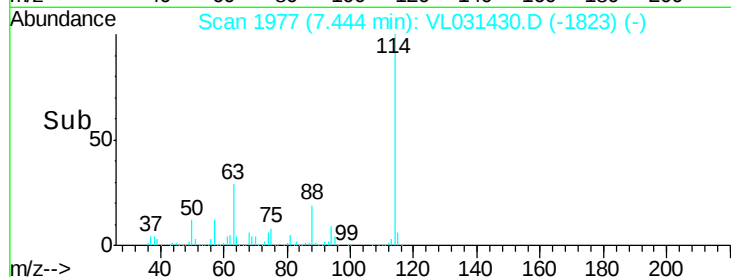
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tgt Ion:114 Resp: 2698795
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.5 33.7
 88 18.7 14.6 22.0

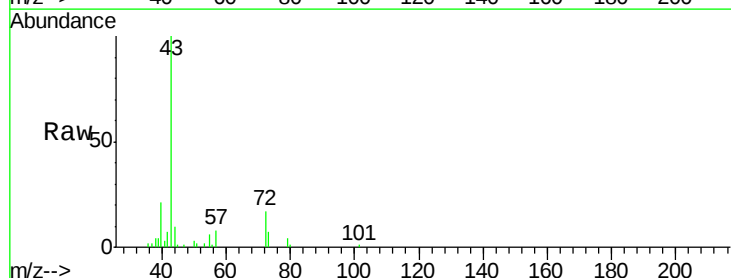


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

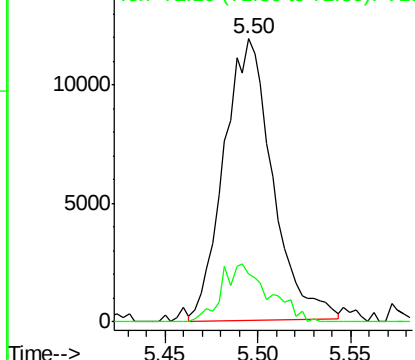
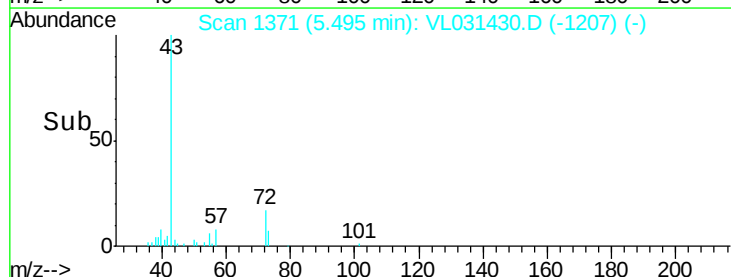


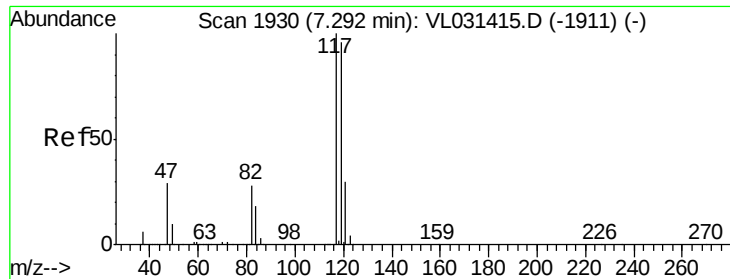
#34
 2-Butanone
 Concen: 0.13 ppbv
 RT: 5.50 min Scan# 1371
 Delta R.T. 0.03 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Tgt Ion: 43 Resp: 21735
 Ion Ratio Lower Upper
 43 100
 72 19.8 16.8 25.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

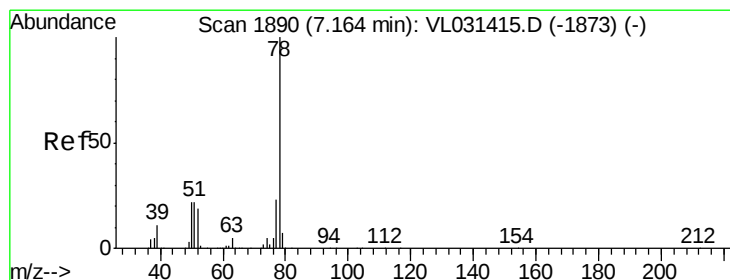
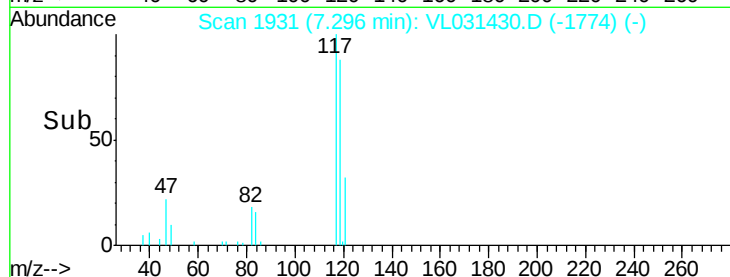
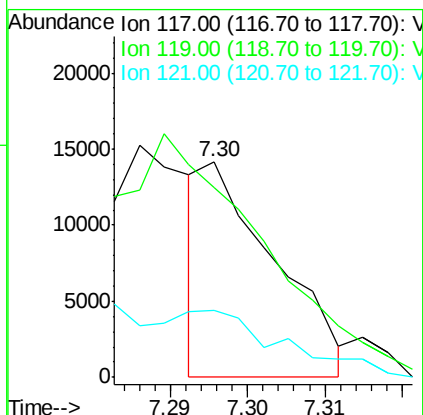
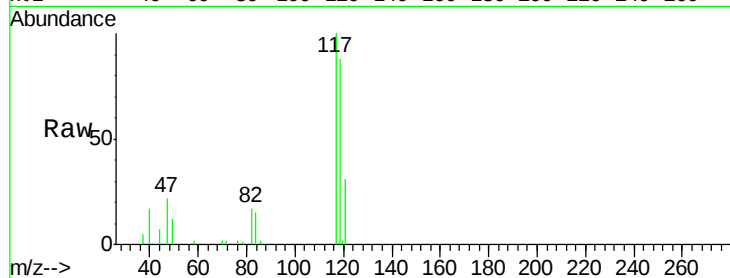




#35
Carbon Tetrachloride
Concen: 0.04 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

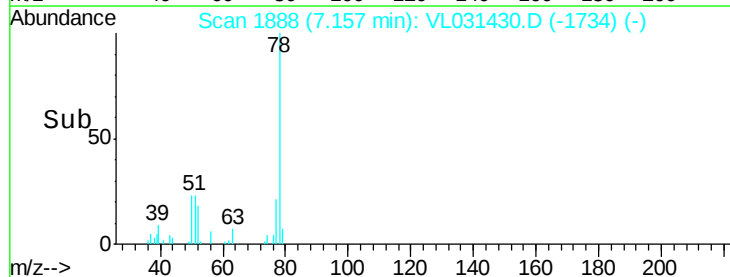
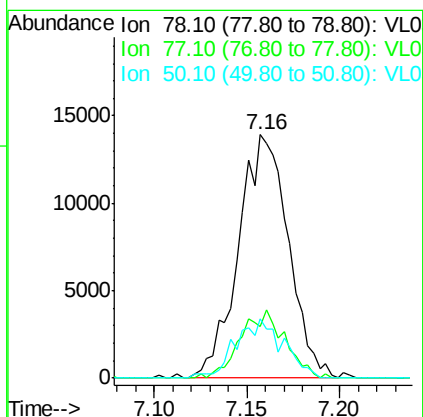
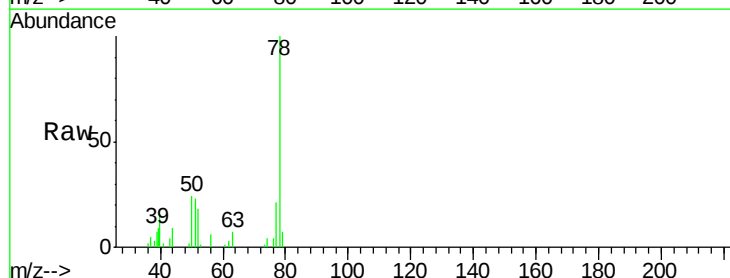
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

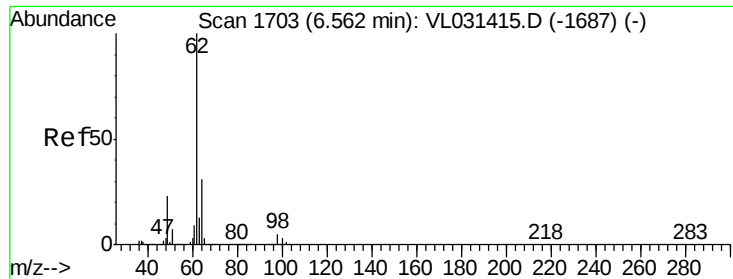
Tgt Ion: 117 Resp: 9206
Ion Ratio Lower Upper
117 100
119 75.0 74.2 111.4
121 26.9 24.2 36.4



#36
Benzene
Concen: 0.11 ppbv
RT: 7.16 min Scan# 1888
Delta R.T. -0.01 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

Tgt Ion: 78 Resp: 26104
Ion Ratio Lower Upper
78 100
77 21.2 18.7 28.1
50 24.4 18.4 27.6

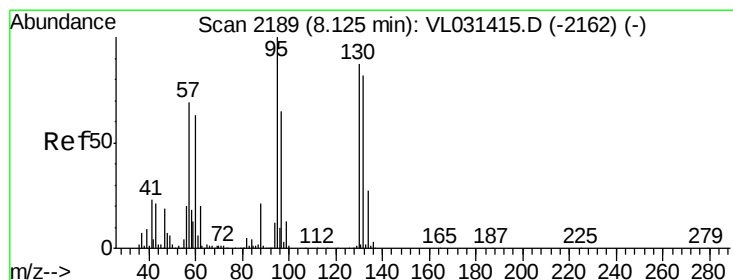
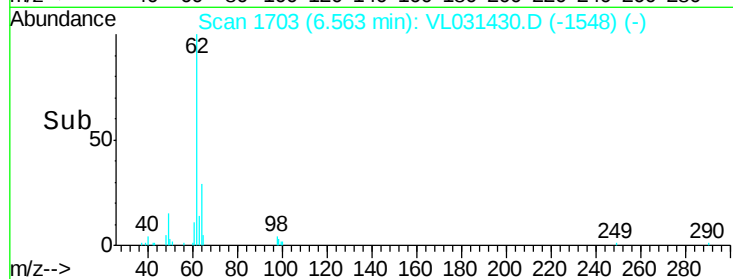
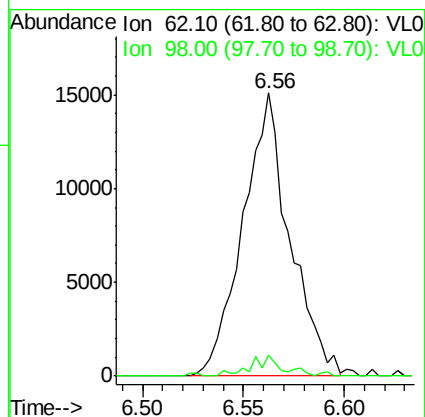
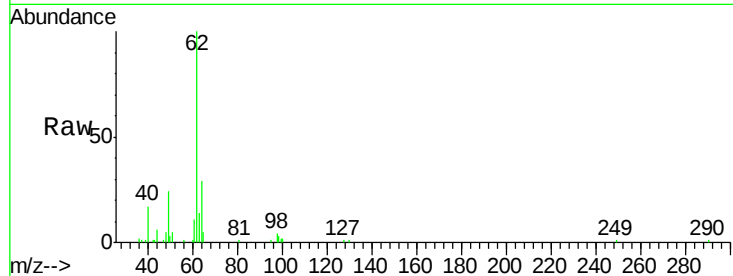




#37
 1,2-Dichloroethane
 Concen: 0.13 ppbv
 RT: 6.56 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

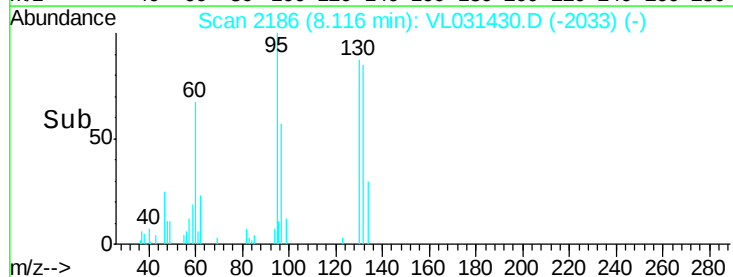
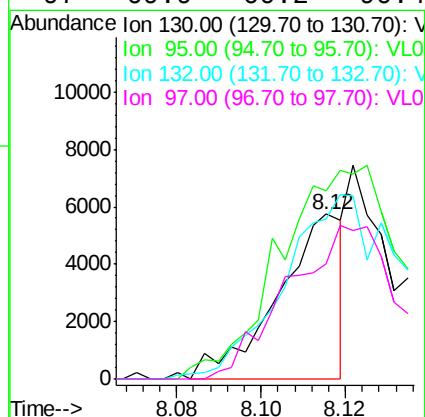
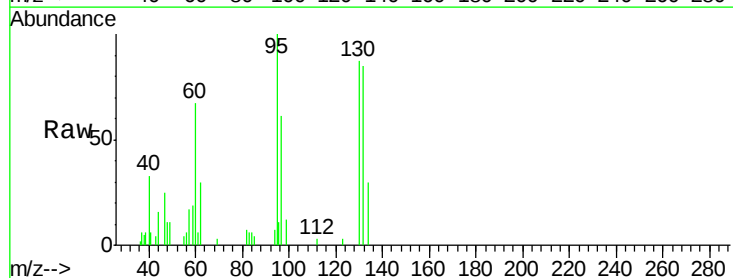
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

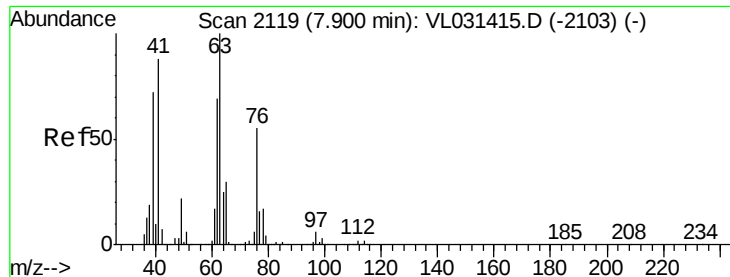
Tgt Ion: 62 Resp: 24541
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.1 6.1



#38
 Trichloroethene
 Concen: 0.07 ppbv
 RT: 8.12 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Tgt Ion: 130 Resp: 6147
 Ion Ratio Lower Upper
 130 100
 95 119.6 92.9 139.3
 132 93.7 74.9 112.3
 97 69.9 60.2 90.4





#39

1,2-Dichloropropane

Concen: 0.10 ppbv

RT: 7.89 min Scan# 2116

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

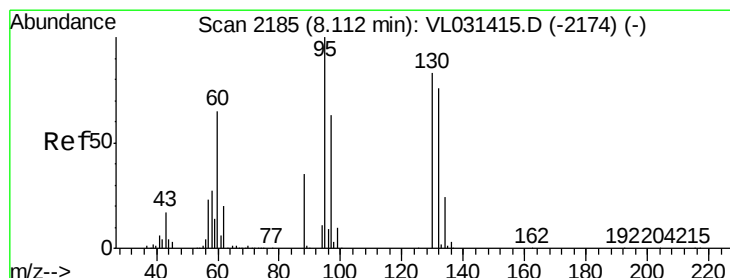
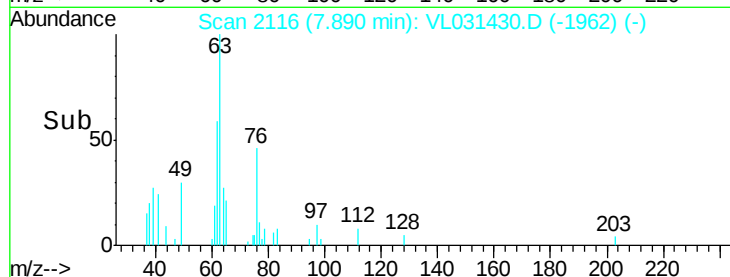
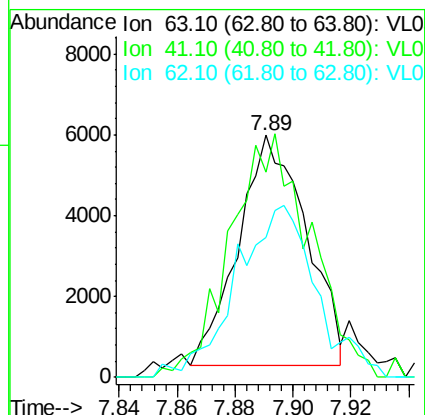
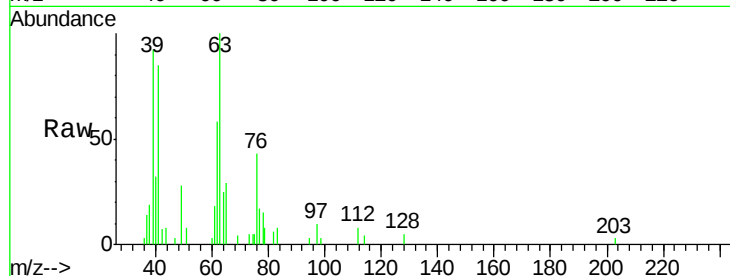
Tgt Ion: 63 Resp: 9197

Ion Ratio Lower Upper

63 100

41 79.2 67.6 101.4

62 51.0 51.8 77.6#



#40

1,4-Dioxane

Concen: 0.00 ppbv

RT: 8.07 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Tgt Ion: 88 Resp: 59

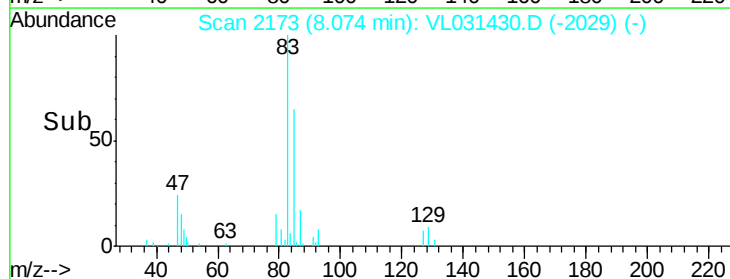
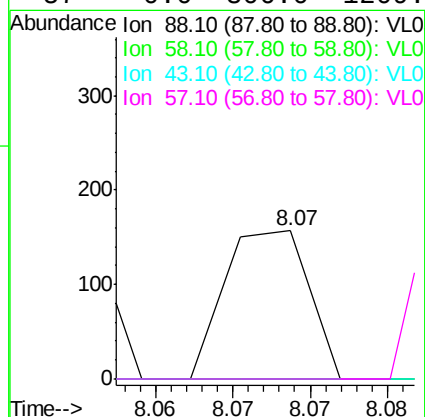
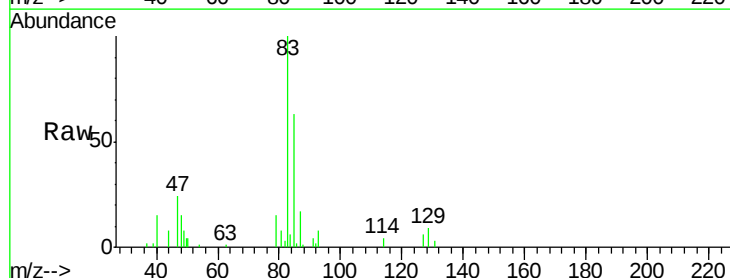
Ion Ratio Lower Upper

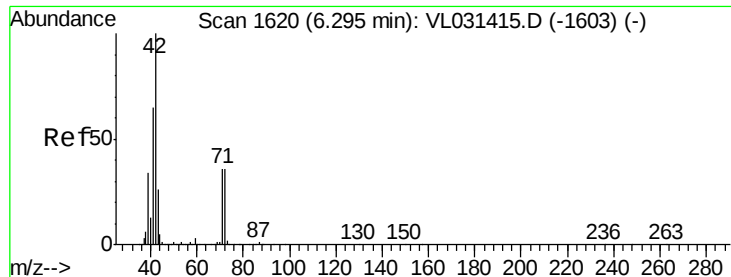
88 100

58 0.0 98.2 147.2#

43 0.0 197.3 295.9#

57 0.0 806.0 1209.0#





#41

Tetrahydrofuran

Concen: 0.09 ppbv

RT: 6.33 min Scan# 1632

Delta R.T. 0.04 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

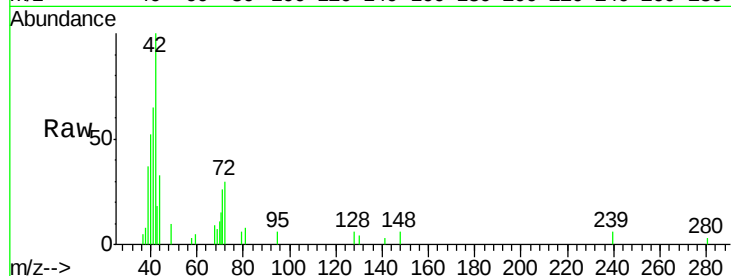
Tgt Ion: 42 Resp: 8401

Ion Ratio Lower Upper

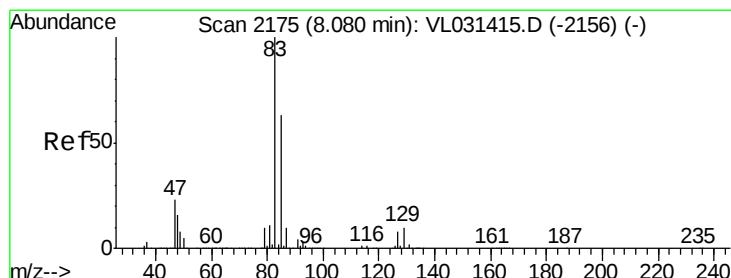
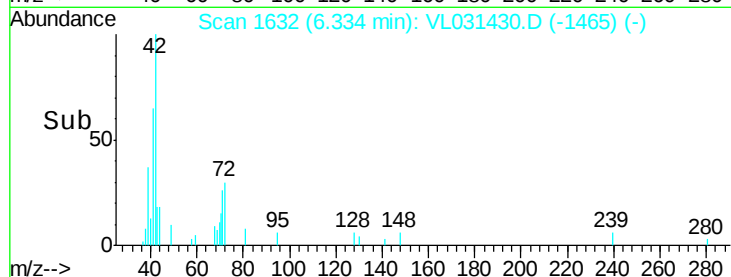
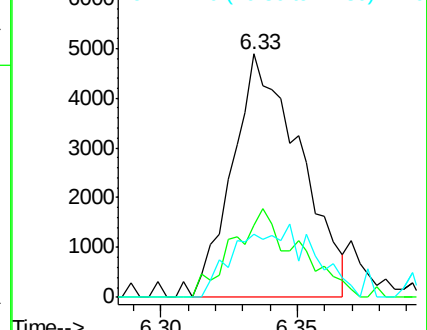
42 100

72 36.0 30.4 45.6

71 35.4 29.2 43.8



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.07 ppbv

RT: 8.07 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

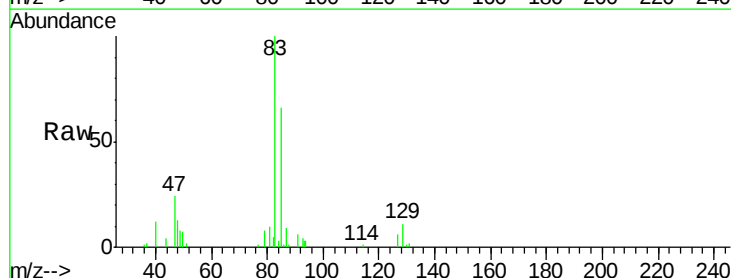
Tgt Ion: 83 Resp: 14818

Ion Ratio Lower Upper

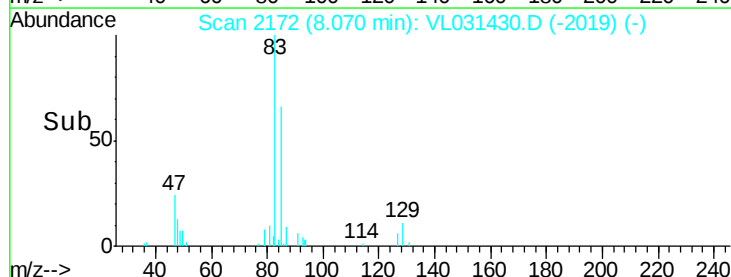
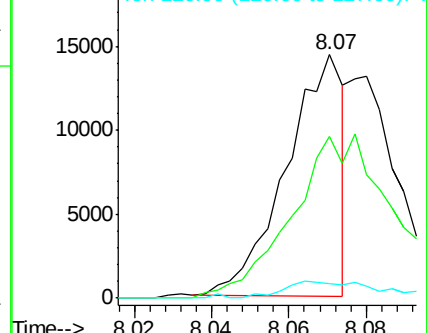
83 100

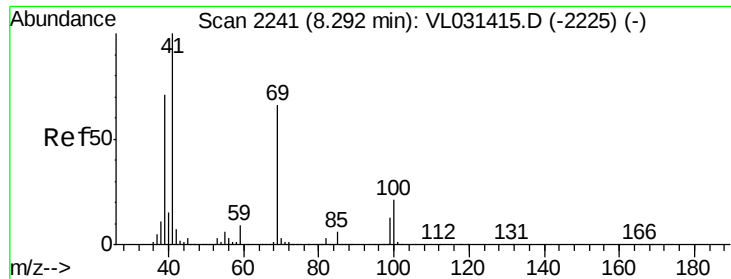
85 67.0 52.1 78.1

127 6.3 6.6 10.0#



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): V

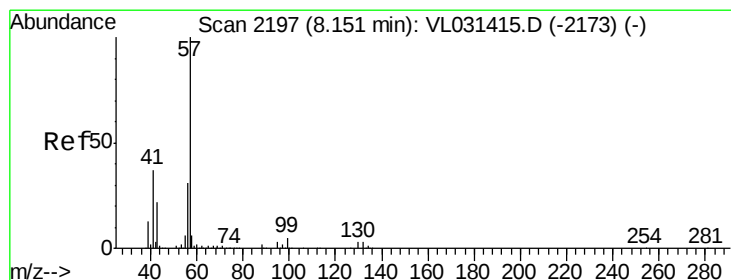
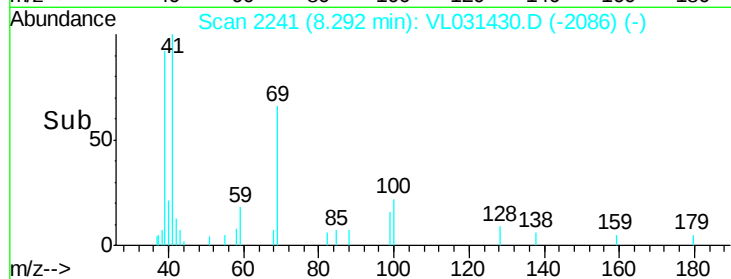
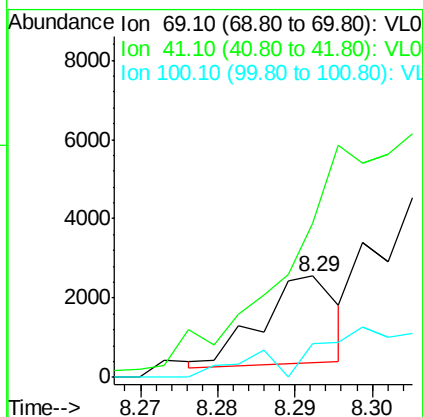
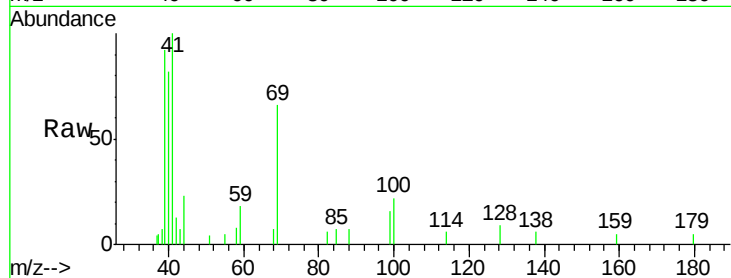




#43
Methyl Methacrylate
Concen: 0.02 ppbv
RT: 8.29 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

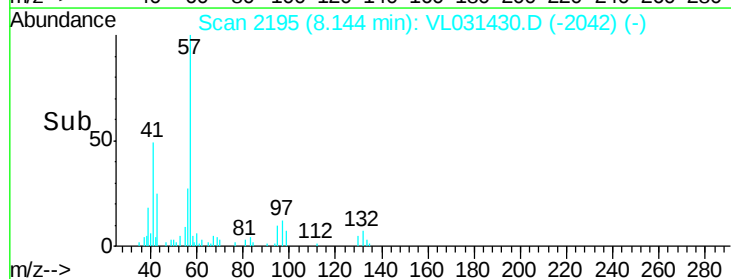
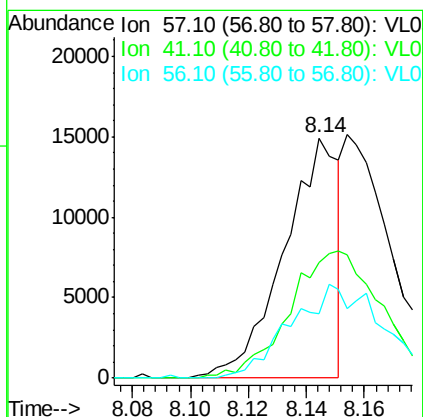
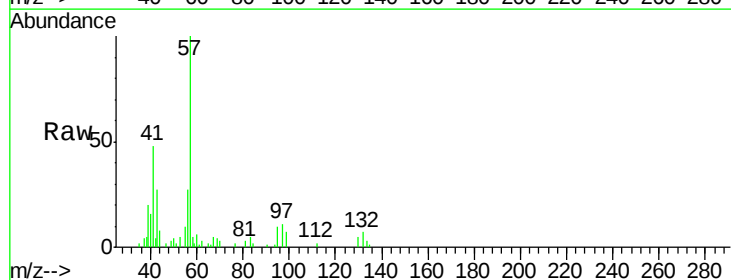
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

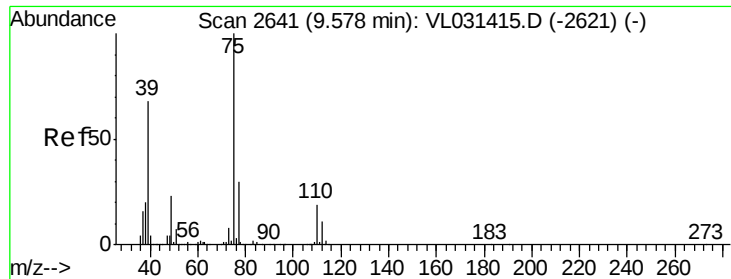
Tgt Ion: 69 Resp: 1488
Ion Ratio Lower Upper
69 100
41 0.0 127.0 190.6#
100 0.0 24.6 37.0#



#44
2,2,4-Trimethylpentane
Concen: 0.05 ppbv
RT: 8.14 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

Tgt Ion: 57 Resp: 19381
Ion Ratio Lower Upper
57 100
41 0.0 28.8 43.2#
56 0.0 24.6 37.0#





#45

t-1,3-Dichloropropene

Concen: 0.02 ppbv

RT: 9.59 min Scan# 2644

Delta R.T. 0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

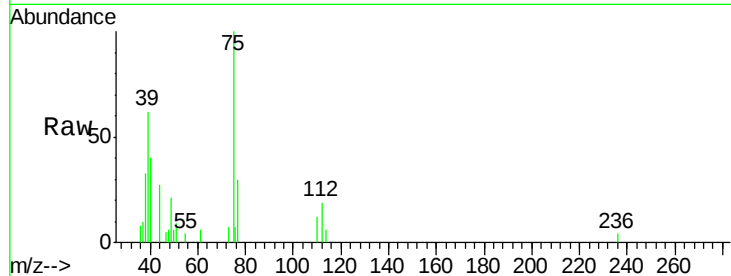
MDL-AIR-5

Tgt Ion: 75 Resp: 2567

Ion Ratio Lower Upper

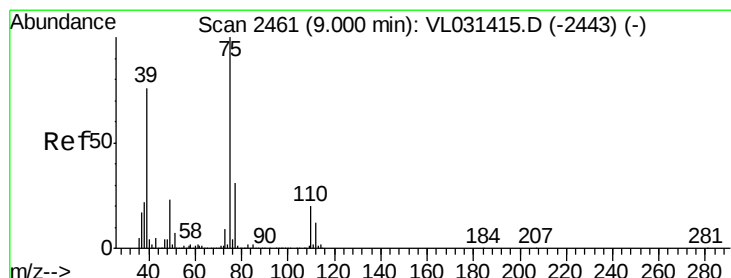
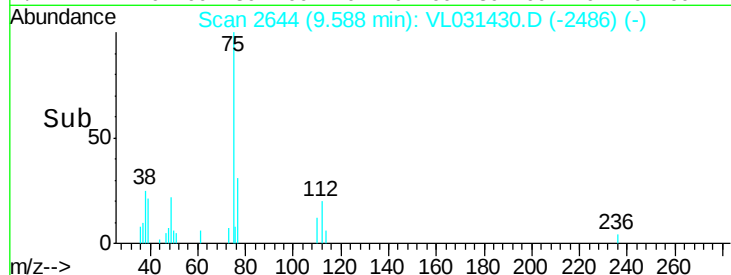
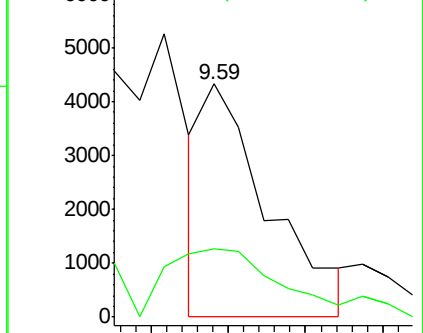
75 100

77 27.5 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.04 ppbv

RT: 8.99 min Scan# 2459

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

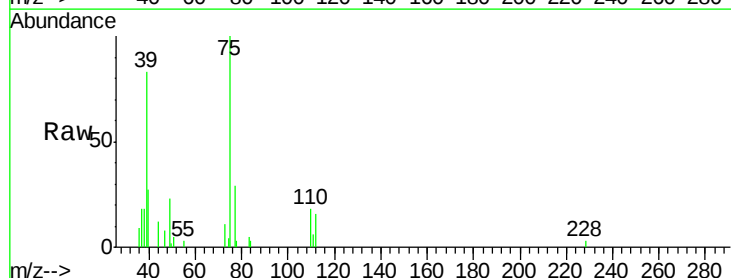
Tgt Ion: 75 Resp: 6434

Ion Ratio Lower Upper

75 100

39 81.5 59.4 89.0

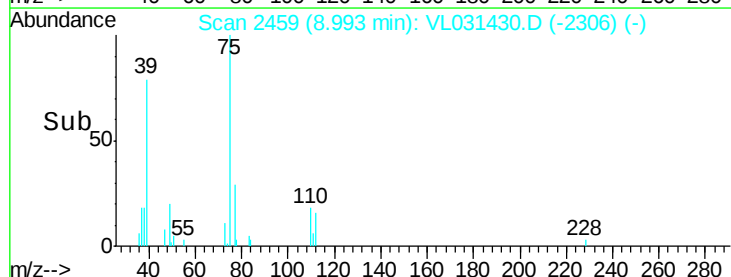
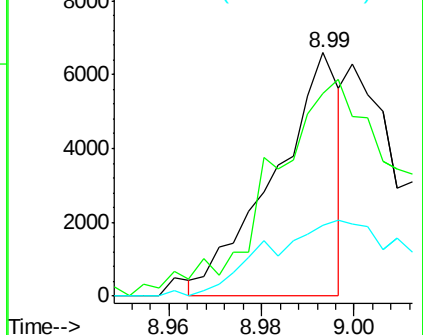
77 31.1 25.0 37.4

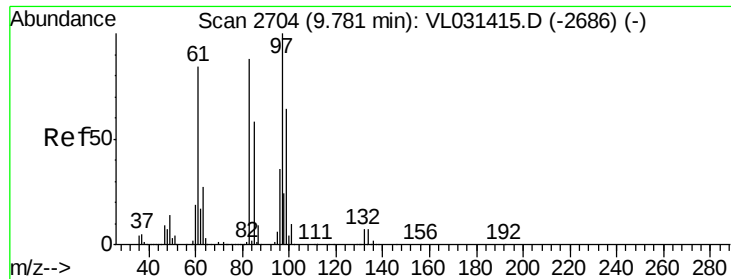


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.10 ppbv

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

Tgt Ion: 97 Resp: 10334

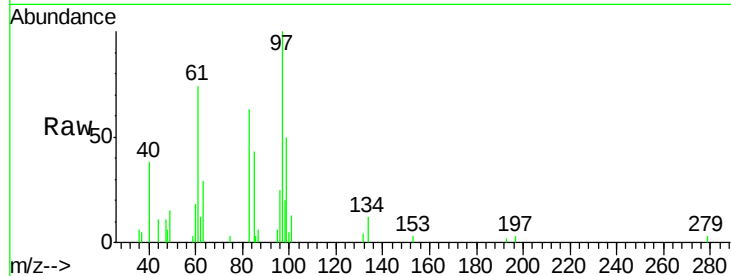
Ion Ratio Lower Upper

97 100

83 62.9 71.4 107.2#

85 42.5 46.2 69.2#

99 47.3 52.2 78.2#

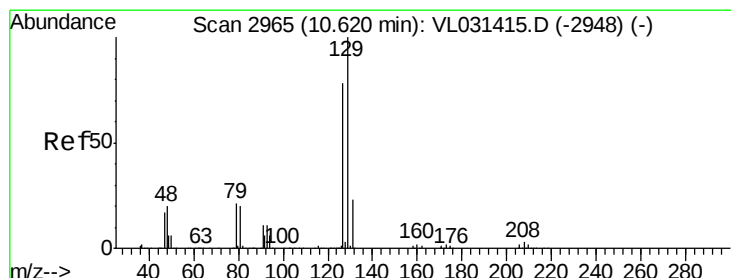
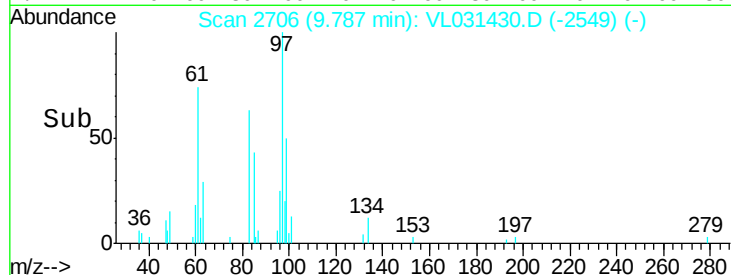
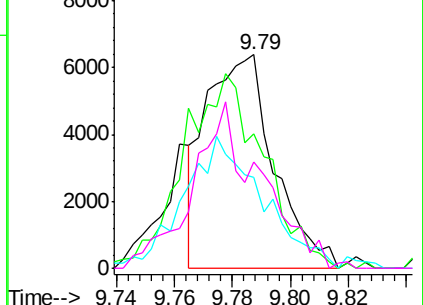


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.08 ppbv

RT: 10.61 min Scan# 2962

Delta R.T. -0.01 min

Lab File: VL031430.D

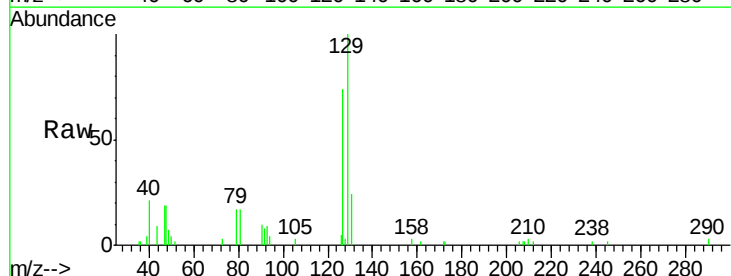
Acq: 23 Jan 2018 00:15

Tgt Ion: 129 Resp: 14927

Ion Ratio Lower Upper

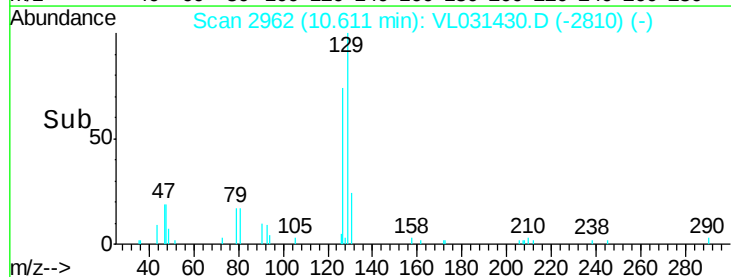
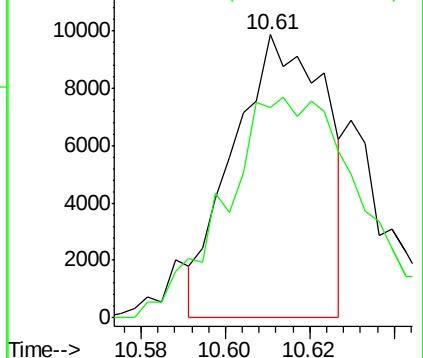
129 100

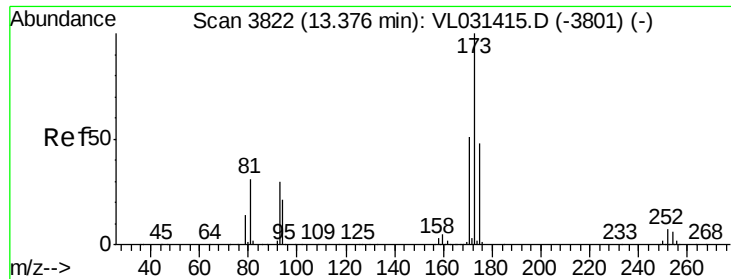
127 115.2 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.03 ppbv

RT: 13.37 min Scan# 3821

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

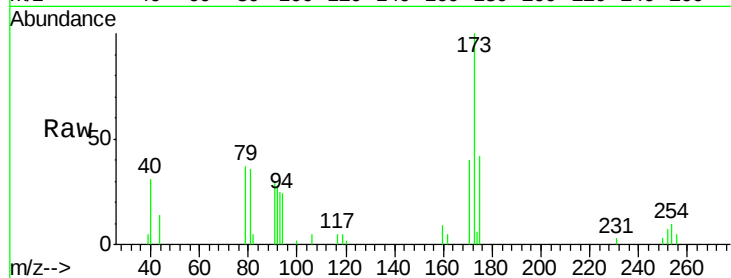
Tgt Ion:173 Resp: 4840

Ion Ratio Lower Upper

173 100

175 159.2 39.0 58.4#

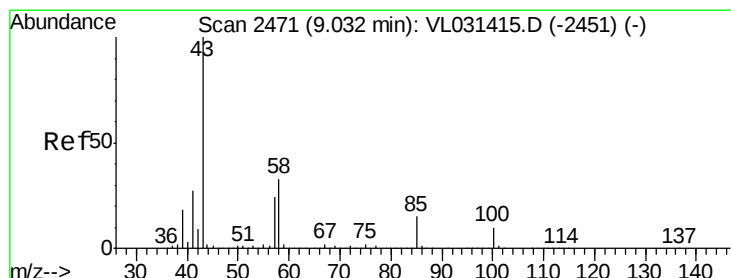
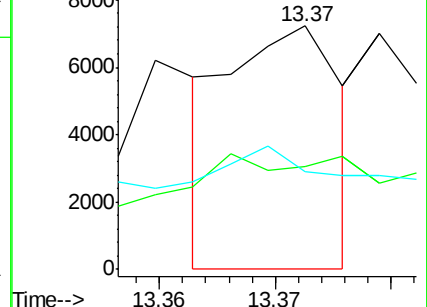
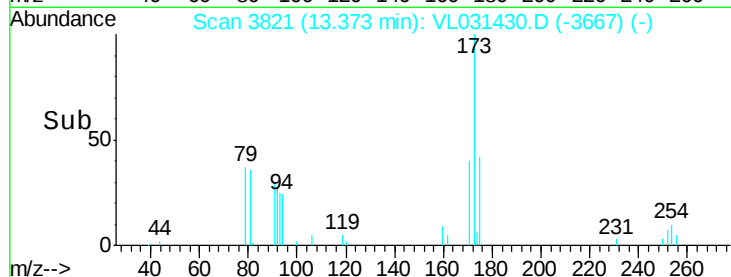
171 163.1 42.0 63.0#



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: 0.01 ppbv

RT: 9.05 min Scan# 2477

Delta R.T. 0.02 min

Lab File: VL031430.D

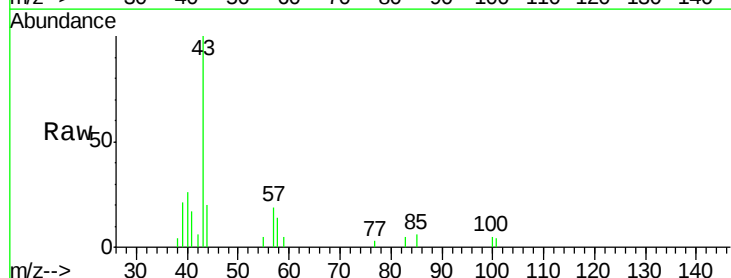
Acq: 23 Jan 2018 00:15

Tgt Ion: 43 Resp: 3322

Ion Ratio Lower Upper

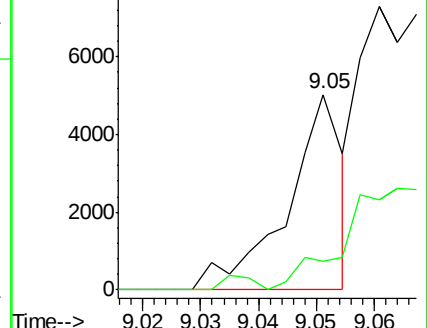
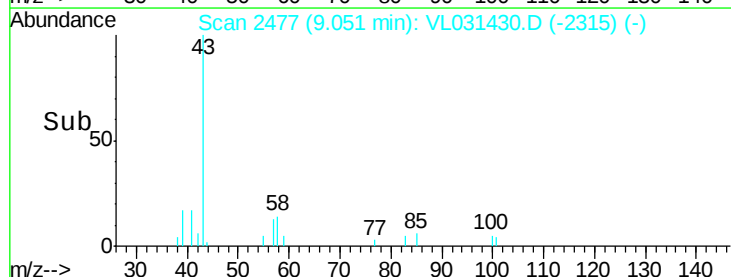
43 100

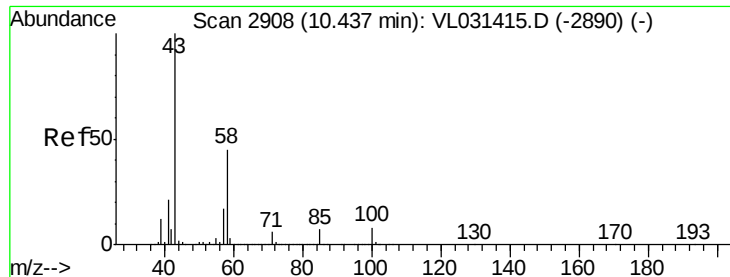
58 0.0 27.1 40.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.02 ppbv

RT: 10.46 min Scan# 2915

Delta R.T. 0.02 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

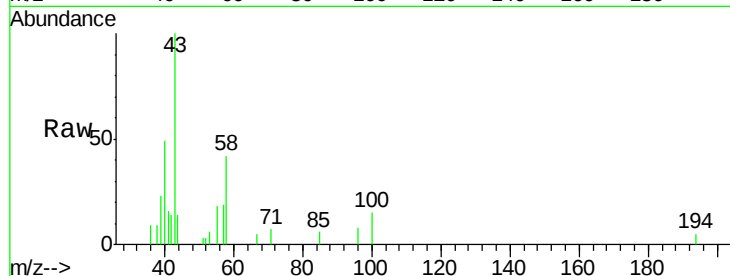
Tgt Ion: 43 Resp: 4013

Ion Ratio Lower Upper

43 100

58 167.5 36.2 54.4#

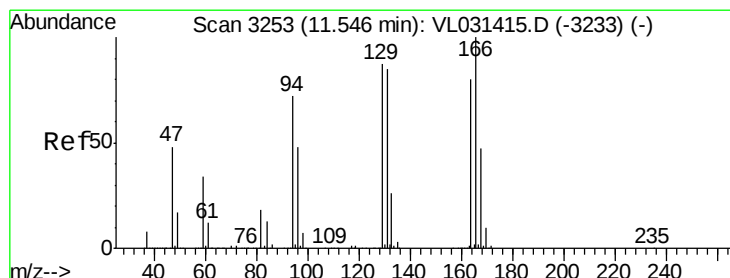
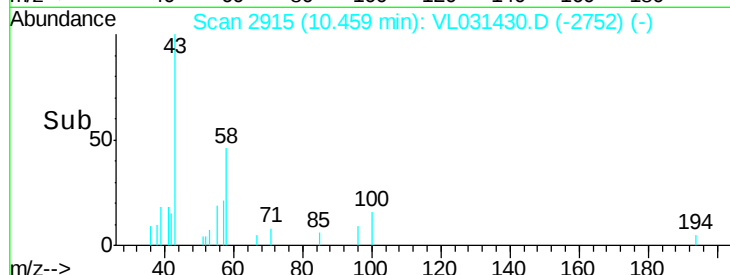
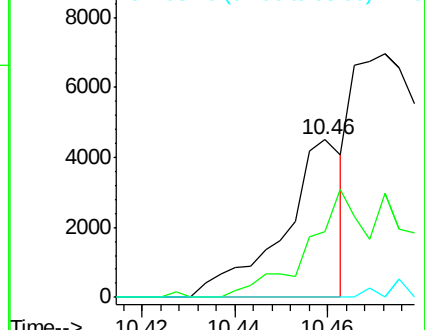
98 0.0 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.06 ppbv

RT: 11.54 min Scan# 3251

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Tgt Ion: 164 Resp: 5699

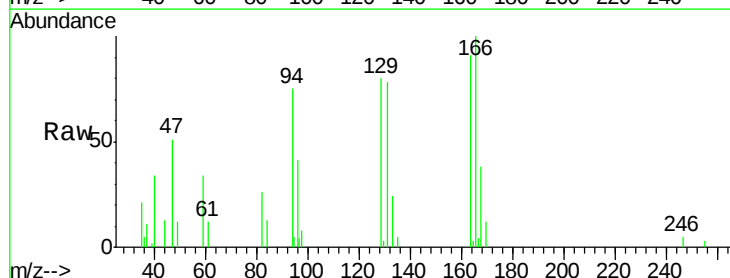
Ion Ratio Lower Upper

164 100

166 109.4 100.2 150.2

129 86.7 91.4 137.0#

131 77.6 87.4 131.0#

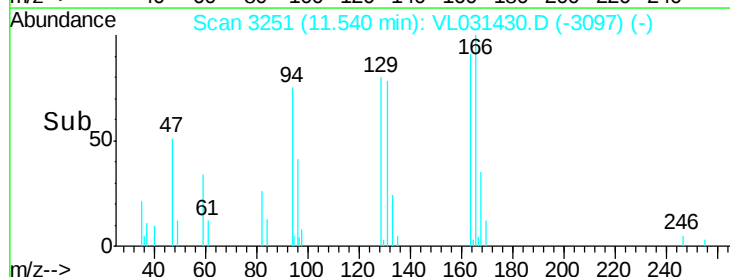
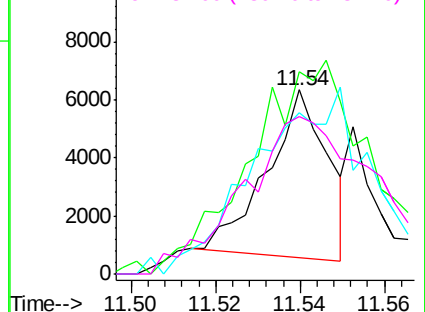


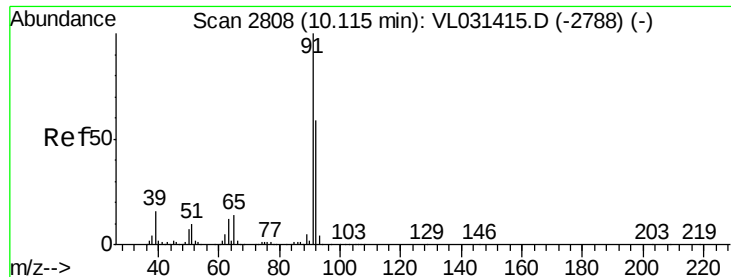
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.08 ppbv

RT: 10.11 min Scan# 2806

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

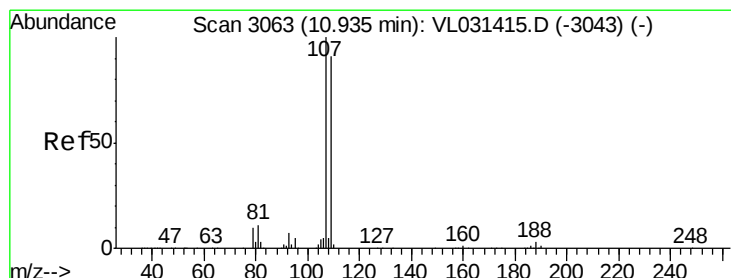
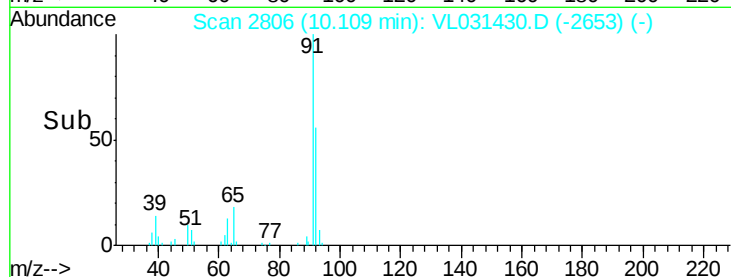
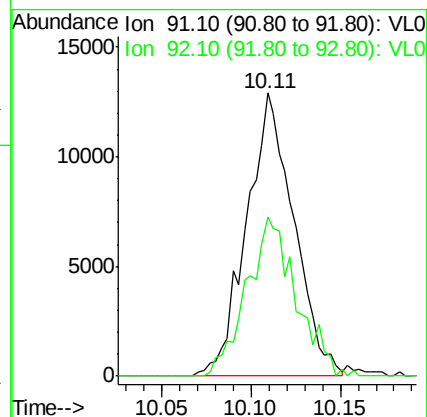
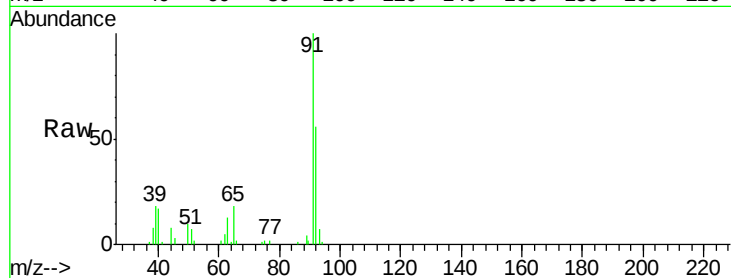
MDL-AIR-5

Tgt Ion: 91 Resp: 23794

Ion Ratio Lower Upper

91 100

92 58.9 47.8 71.6



#54

1,2-Dibromoethane

Concen: 0.06 ppbv

RT: 10.92 min Scan# 3059

Delta R.T. -0.01 min

Lab File: VL031430.D

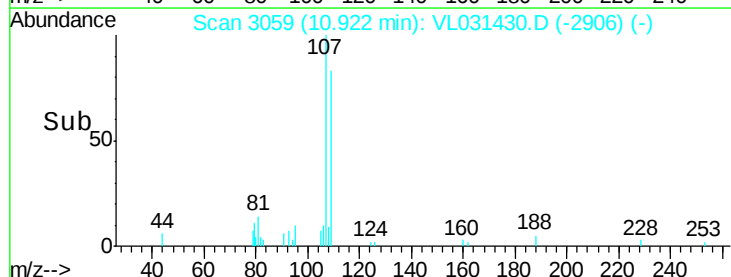
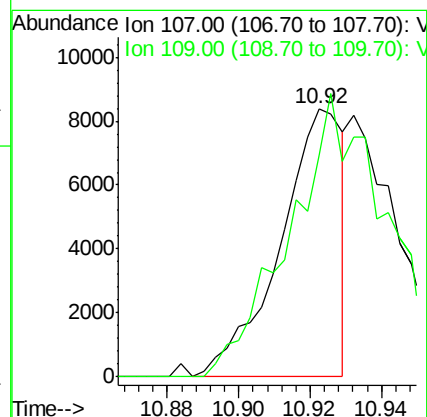
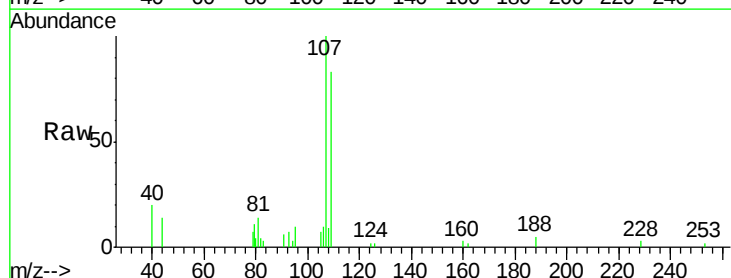
Acq: 23 Jan 2018 00:15

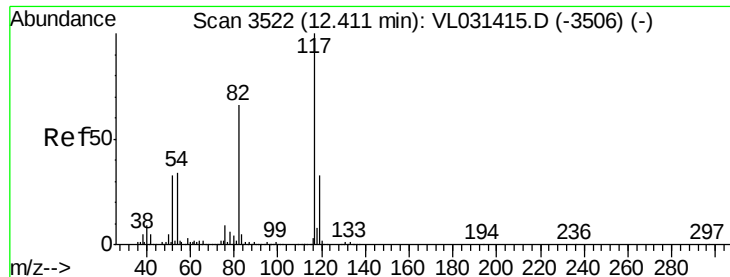
Tgt Ion: 107 Resp: 10213

Ion Ratio Lower Upper

107 100

109 82.6 75.5 113.3

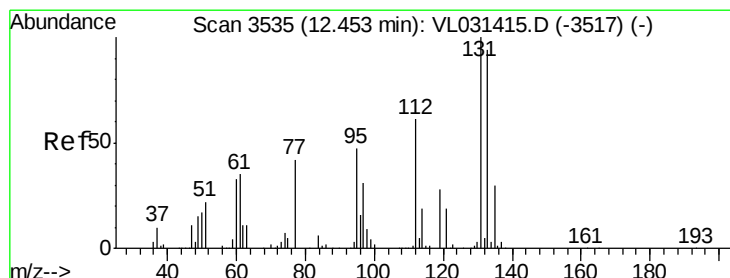
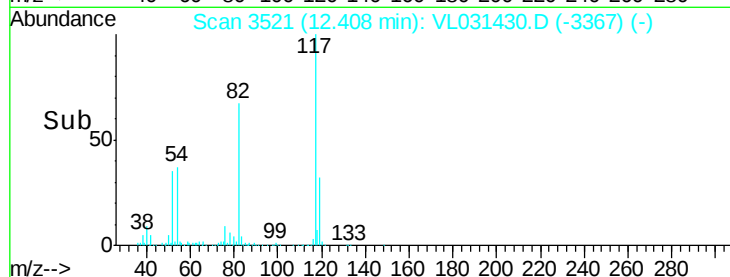
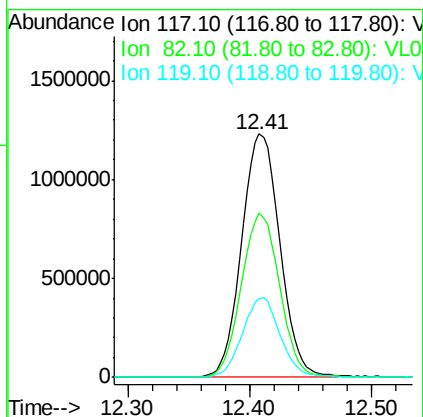
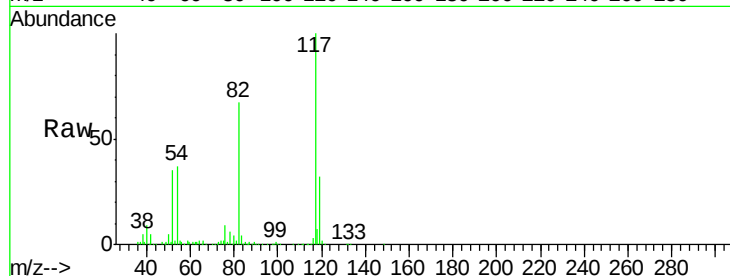




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

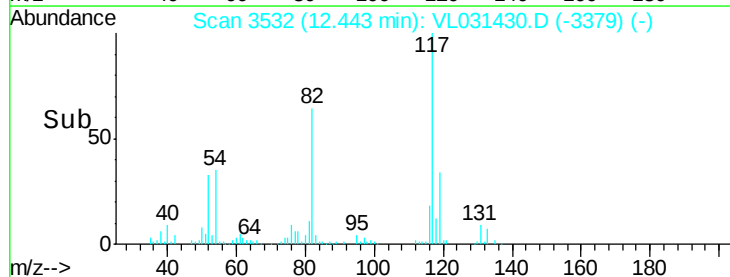
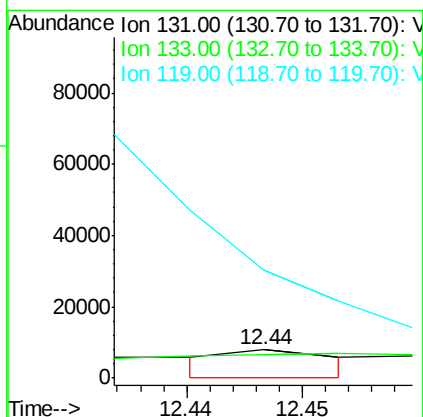
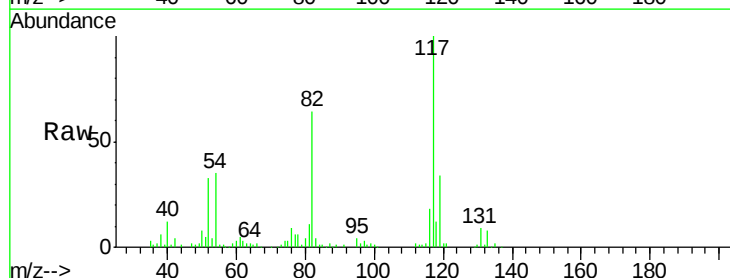
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

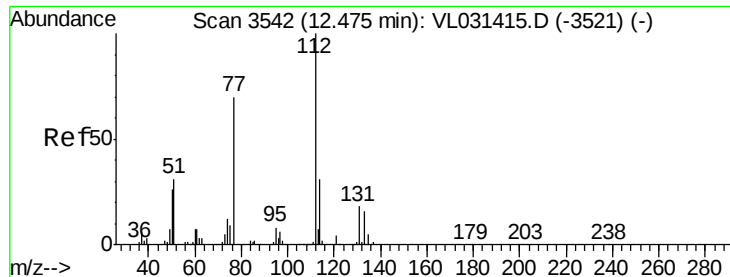
Tgt Ion:117 Resp: 2666448
Ion Ratio Lower Upper
117 100
82 68.0 51.8 77.6
119 32.5 24.2 36.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.02 ppbv
RT: 12.44 min Scan# 3532
Delta R.T. -0.01 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

Tgt Ion:131 Resp: 2701
Ion Ratio Lower Upper
131 100
133 594.6 76.9 115.3#
119 0.0 47.7 71.5#





#57

Chlorobenzene

Concen: 0.13 ppbv

RT: 12.47 min Scan# 3540

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

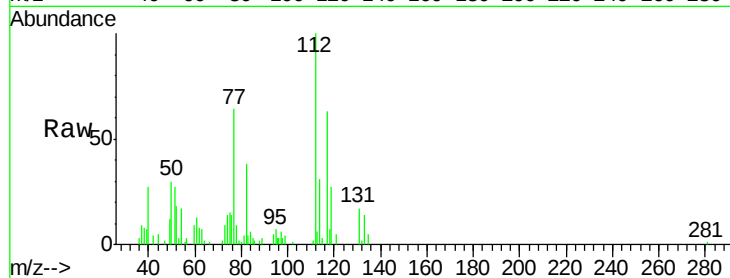
Tgt Ion: 112 Resp: 30440

Ion Ratio Lower Upper

112 100

77 63.8 56.0 84.0

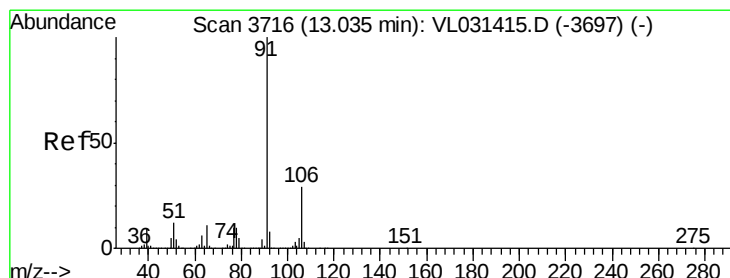
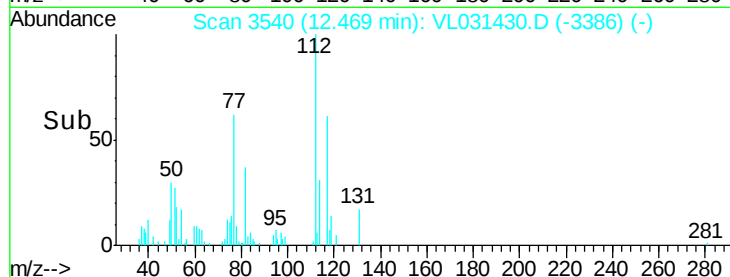
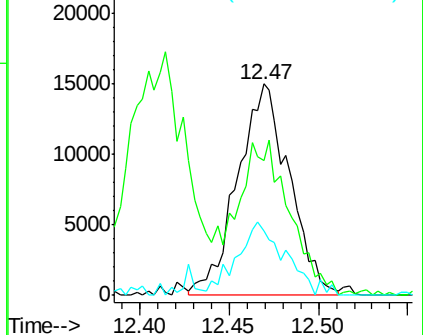
114 31.4 29.1 35.5



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: 0.06 ppbv

RT: 13.03 min Scan# 3715

Delta R.T. -0.01 min

Lab File: VL031430.D

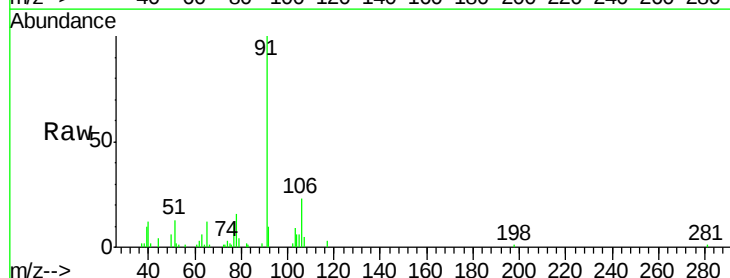
Acq: 23 Jan 2018 00:15

Tgt Ion: 91 Resp: 24078

Ion Ratio Lower Upper

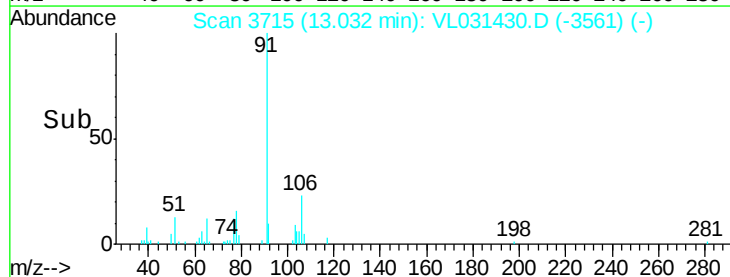
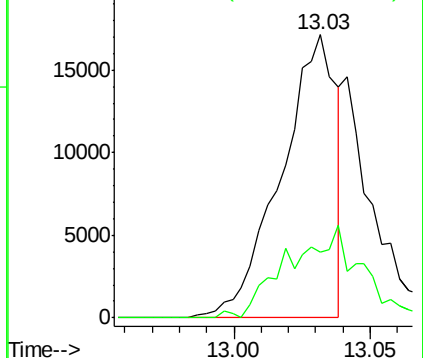
91 100

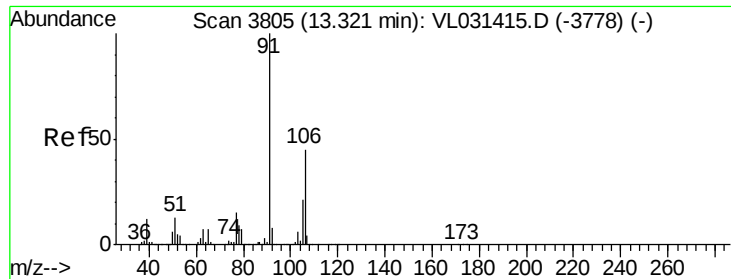
106 23.4 23.8 35.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

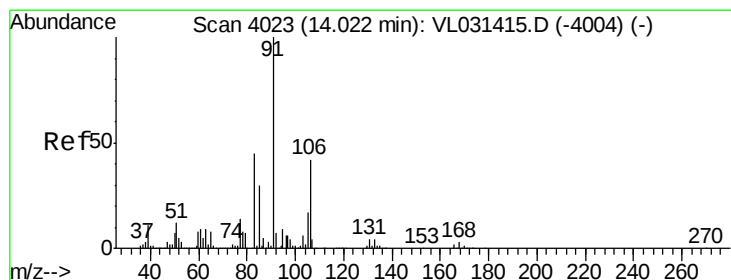
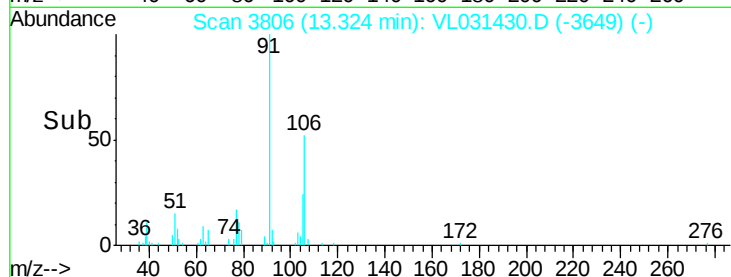
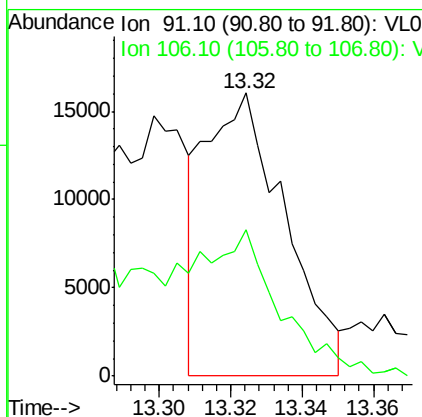
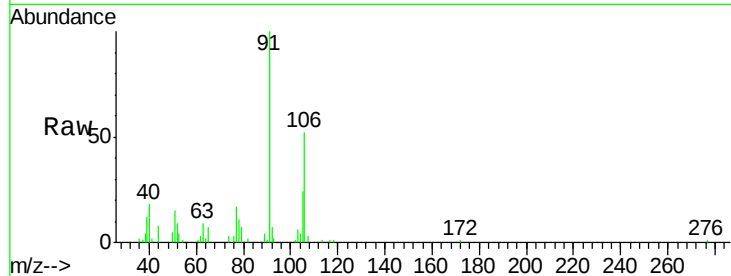




#59
m/p-Xylene
Concen: 0.07 ppbv
RT: 13.32 min Scan# 3806
Delta R.T. 0.00 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

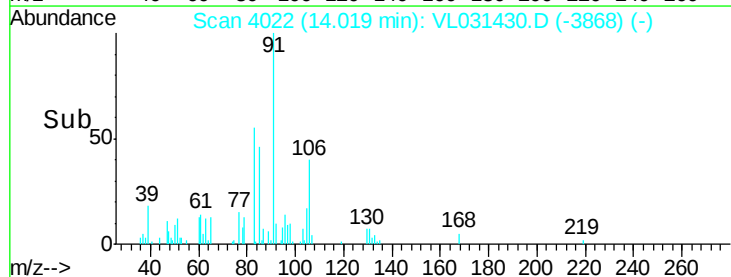
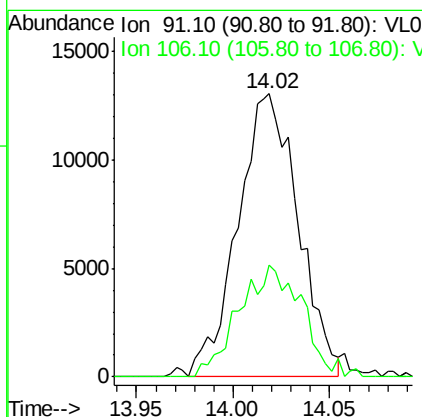
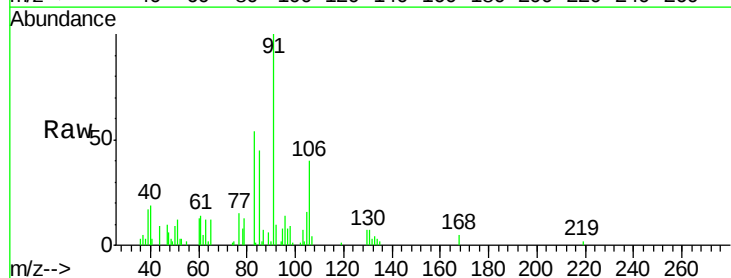
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

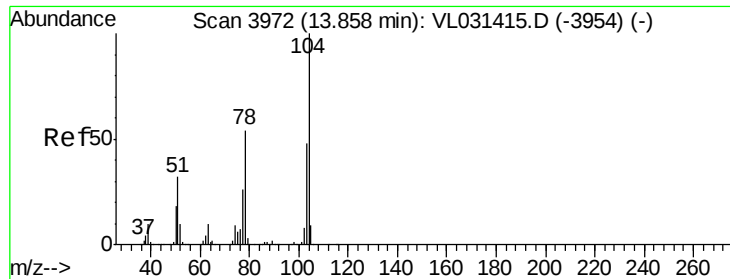
Tgt Ion: 91 Resp: 24956
Ion Ratio Lower Upper
91 100
106 103.8 35.6 53.4#



#60
o-Xylene
Concen: 0.08 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

Tgt Ion: 91 Resp: 28251
Ion Ratio Lower Upper
91 100
106 41.2 21.3 64.0





#61

Styrene

Concen: 0.04 ppbv

RT: 13.85 min Scan# 3969

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

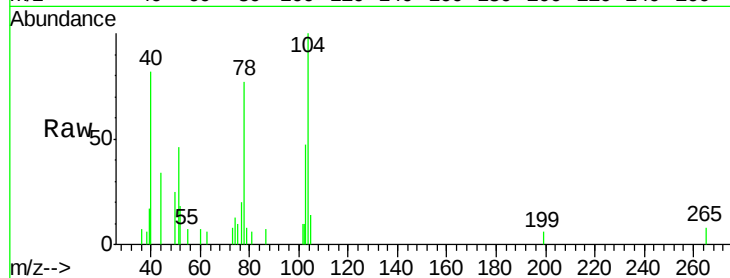
Tgt Ion:104 Resp: 2762

Ion Ratio Lower Upper

104 100

78 123.0 45.4 68.0#

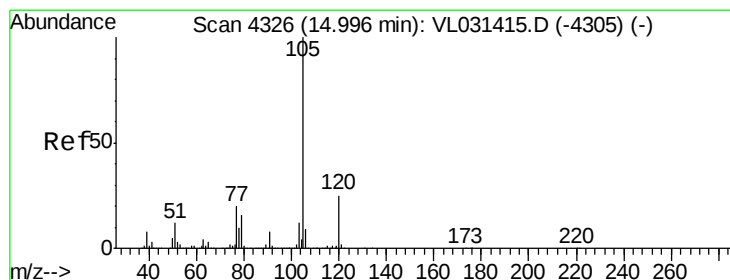
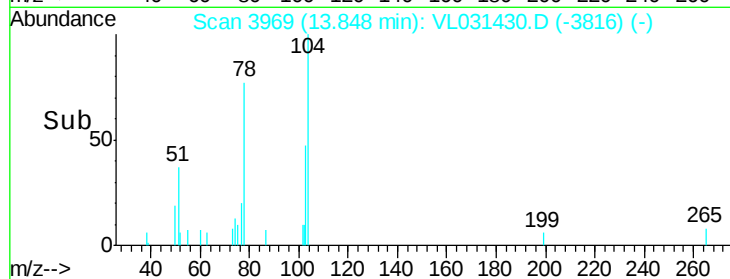
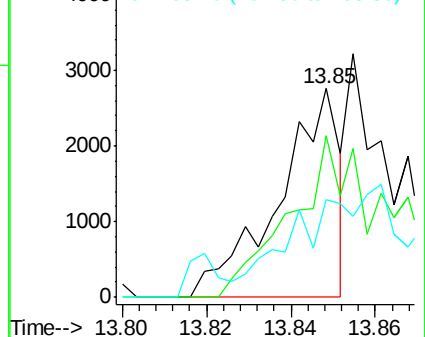
103 0.0 38.6 57.8#



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: 0.02 ppbv

RT: 15.00 min Scan# 4326

Delta R.T. -0.00 min

Lab File: VL031430.D

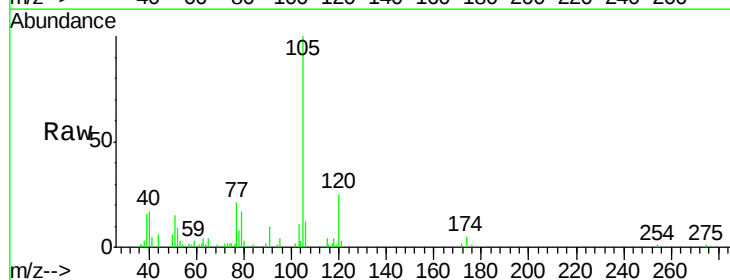
Acq: 23 Jan 2018 00:15

Tgt Ion:105 Resp: 9699

Ion Ratio Lower Upper

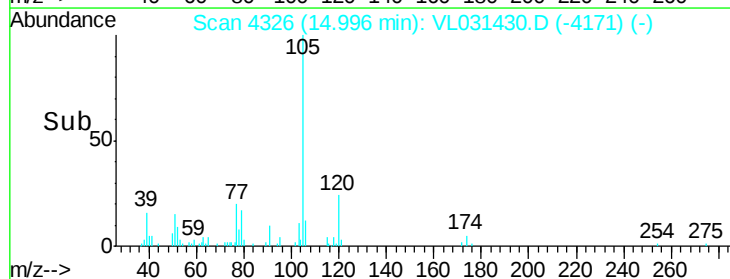
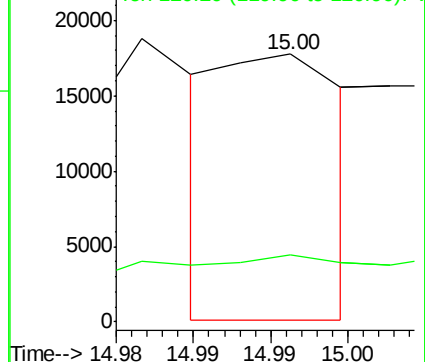
105 100

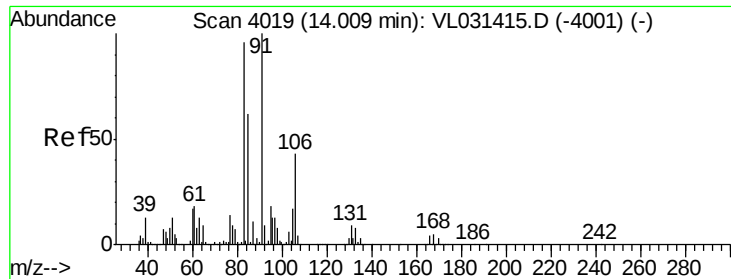
120 105.2 19.9 29.9#



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: 0.08 ppbv

RT: 14.00 min Scan# 4017

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

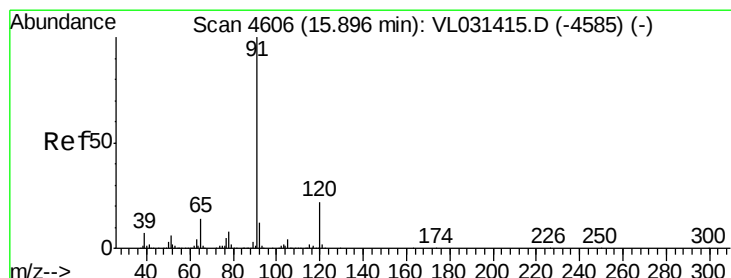
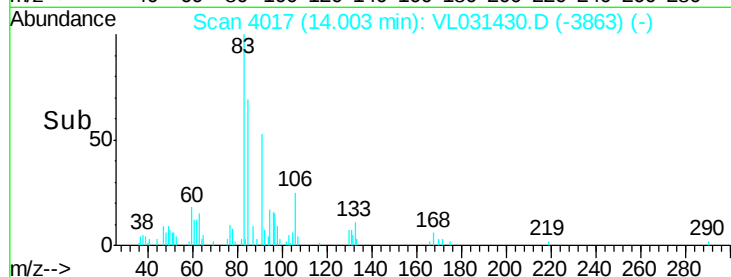
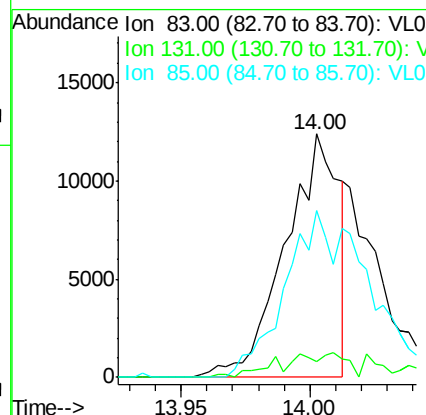
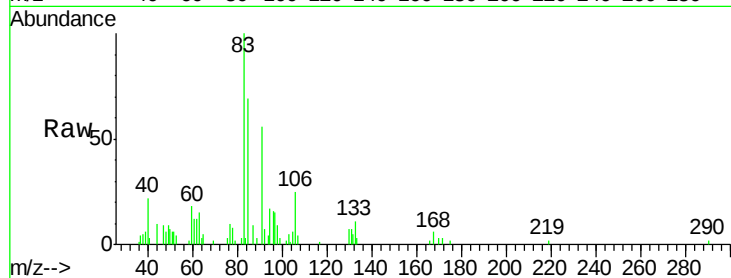
Tgt Ion: 83 Resp: 17858

Ion Ratio Lower Upper

83 100

131 17.8 4.8 14.3#

85 110.2 32.4 97.0#



#64

n-propylbenzene

Concen: 0.02 ppbv

RT: 15.89 min Scan# 4605

Delta R.T. -0.00 min

Lab File: VL031430.D

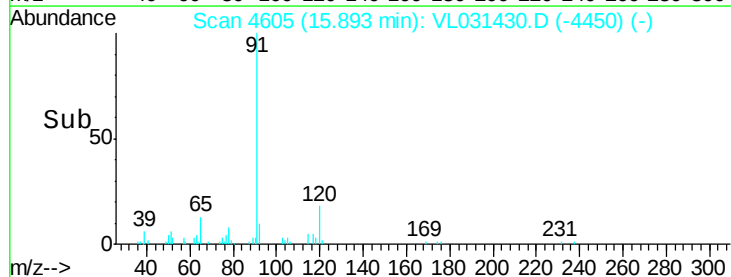
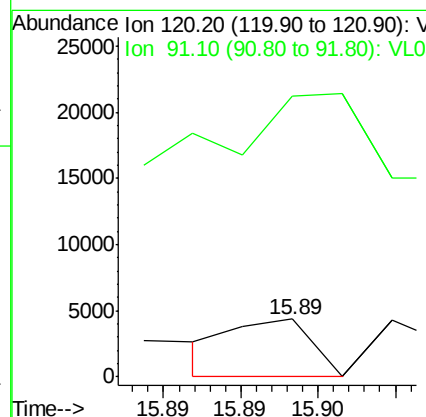
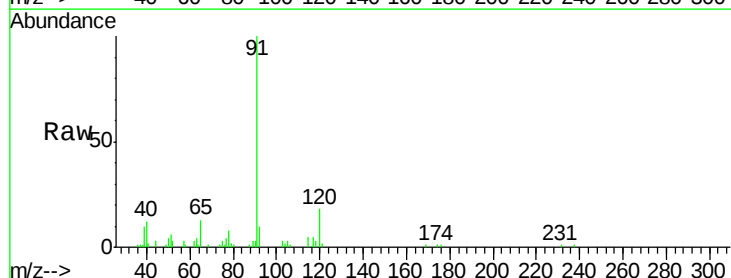
Acq: 23 Jan 2018 00:15

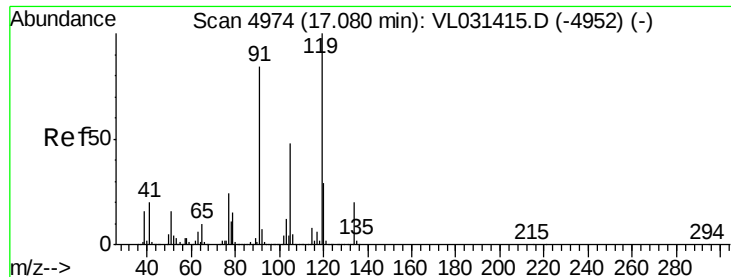
Tgt Ion: 120 Resp: 1588

Ion Ratio Lower Upper

120 100

91 0.0 389.8 584.6#





#65

tert-Butylbenzene

Concen: 0.04 ppbv

RT: 17.08 min Scan# 4973

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

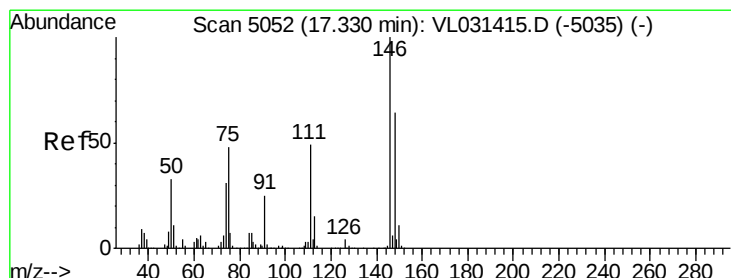
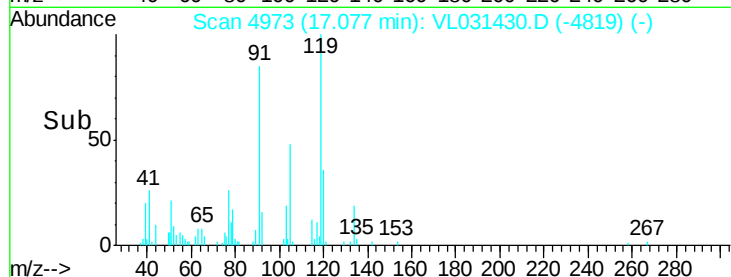
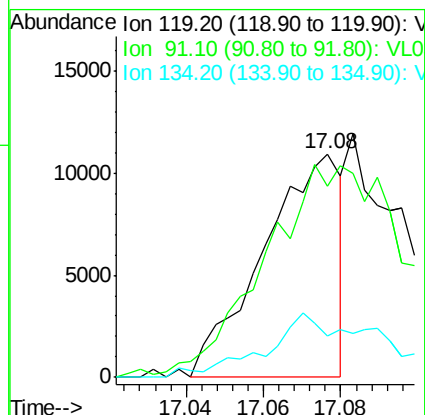
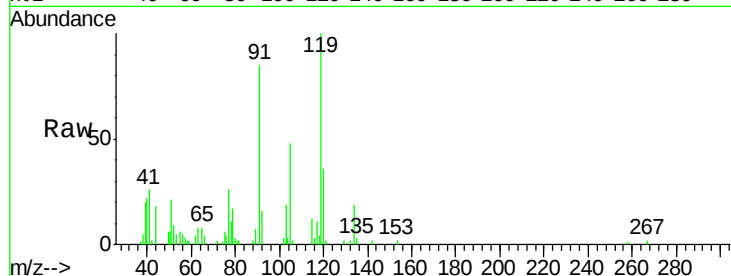
Tgt Ion: 119 Resp: 15286

Ion Ratio Lower Upper

119 100

91 188.9 69.0 103.6#

134 42.7 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.02 ppbv

RT: 17.32 min Scan# 5049

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

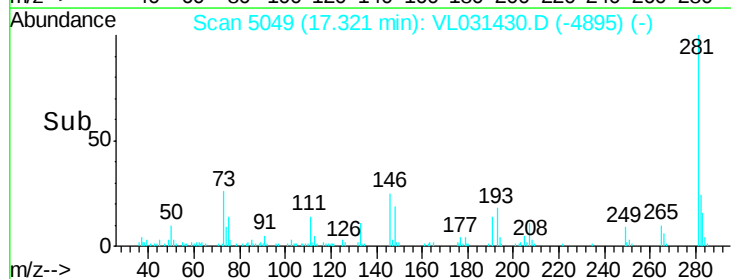
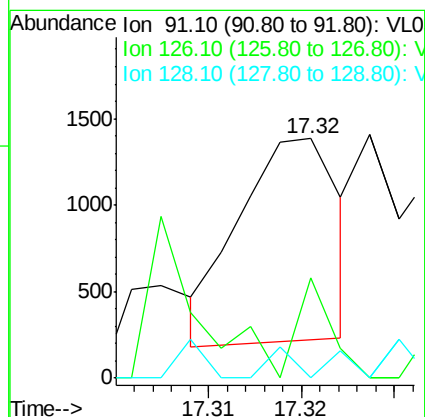
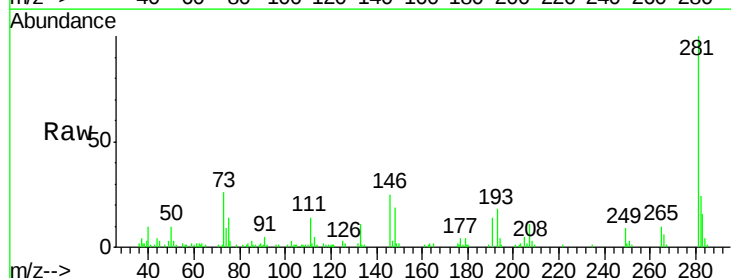
Tgt Ion: 91 Resp: 879

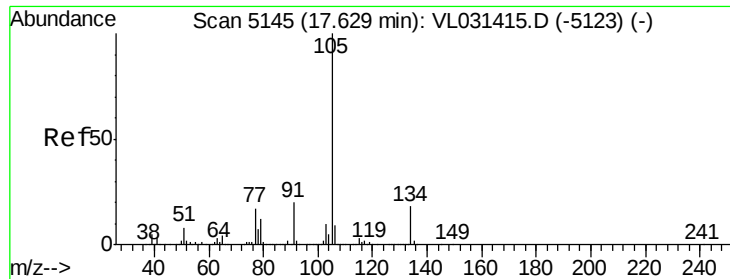
Ion Ratio Lower Upper

91 100

126 32.4 13.8 20.8#

128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.06 ppbv

RT: 17.63 min Scan# 5145

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

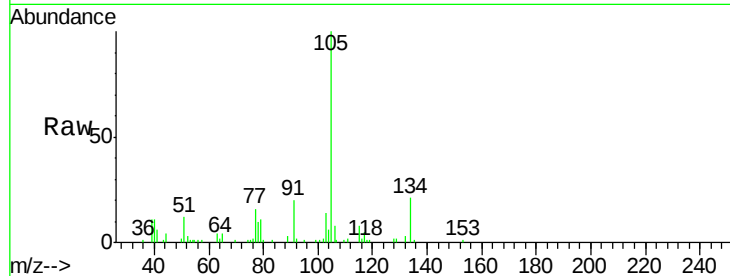
MDL-AIR-5

Tgt Ion:105 Resp: 29894

Ion Ratio Lower Upper

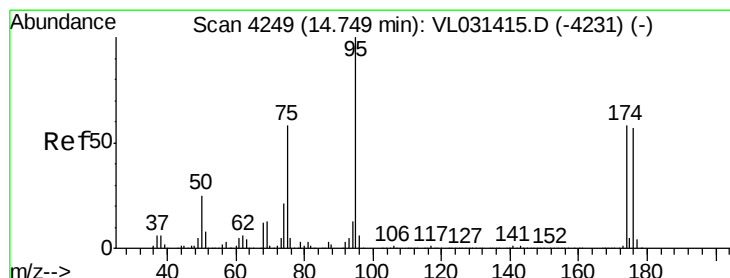
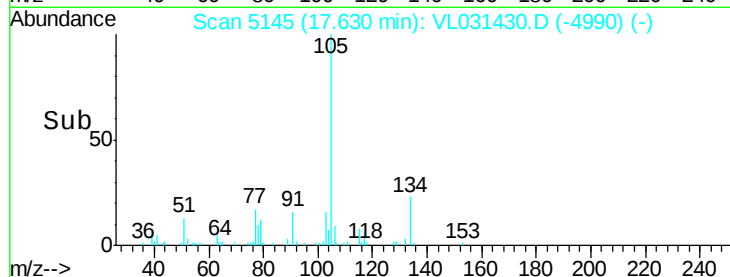
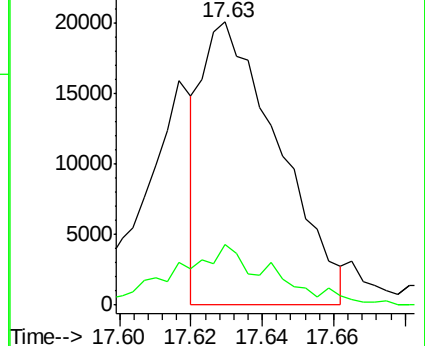
105 100

134 28.3 14.5 21.7#



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: 10.22 ppbv

RT: 14.74 min Scan# 4247

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

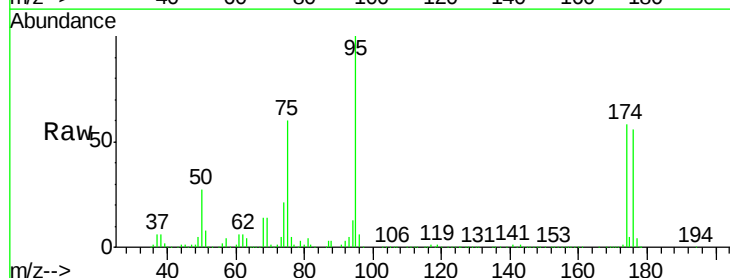
Tgt Ion: 95 Resp: 2182695

Ion Ratio Lower Upper

95 100

174 60.0 48.2 72.4

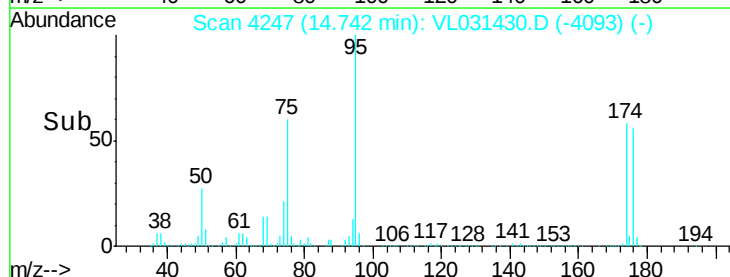
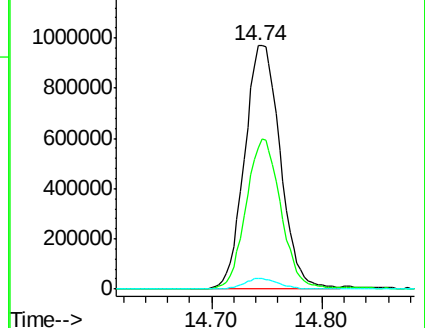
175 4.4 3.6 5.4

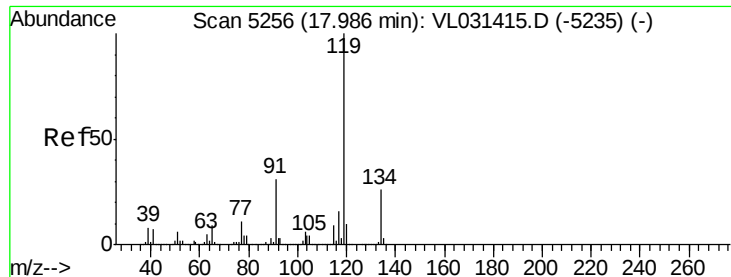


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.01 ppbv

RT: 17.98 min Scan# 5255

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

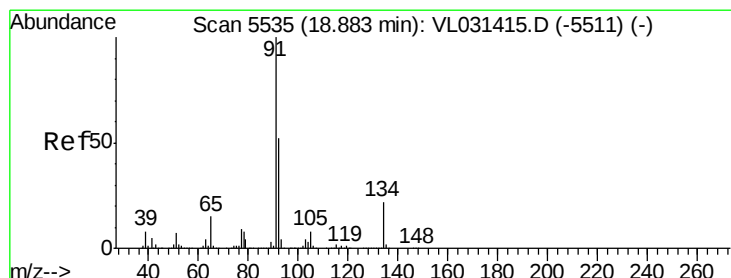
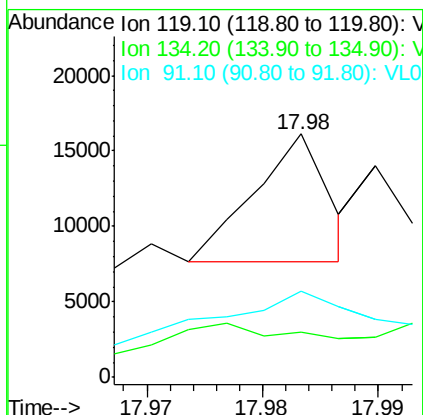
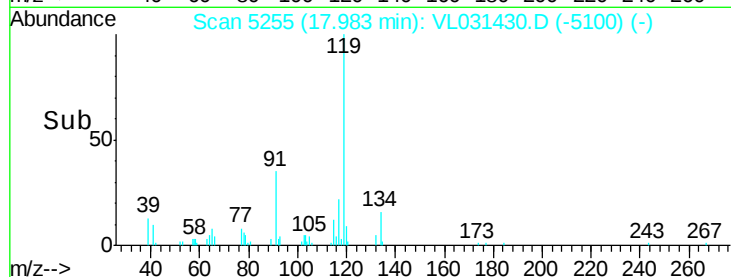
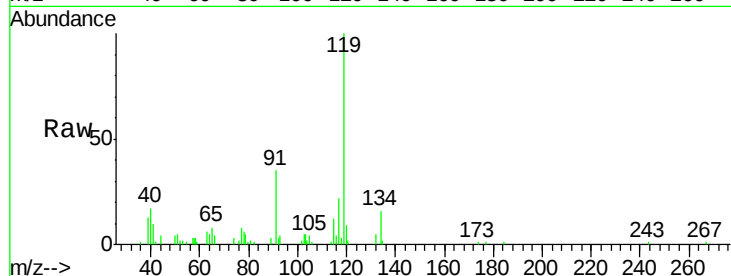
Tgt Ion: 119 Resp: 3773

Ion Ratio Lower Upper

119 100

134 219.2 20.2 30.4#

91 321.7 25.0 37.4#



#70

n-Butylbenzene

Concen: 0.08 ppbv

RT: 18.89 min Scan# 5536

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

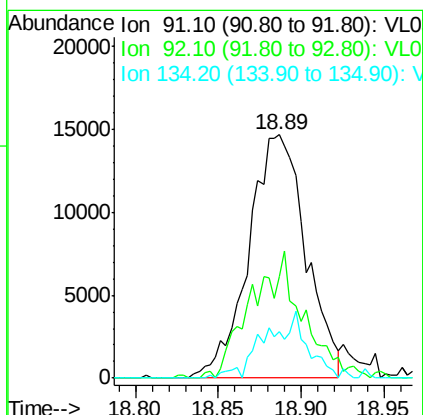
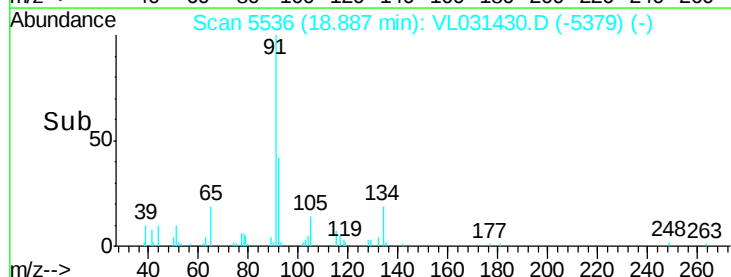
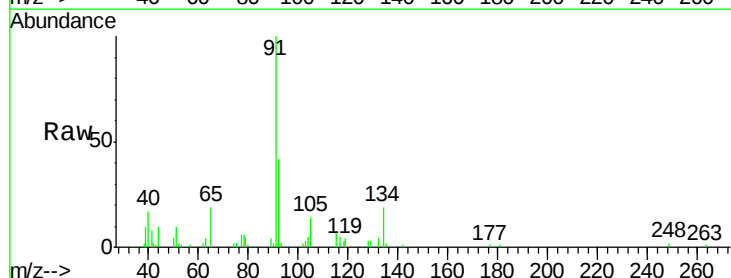
Tgt Ion: 91 Resp: 35293

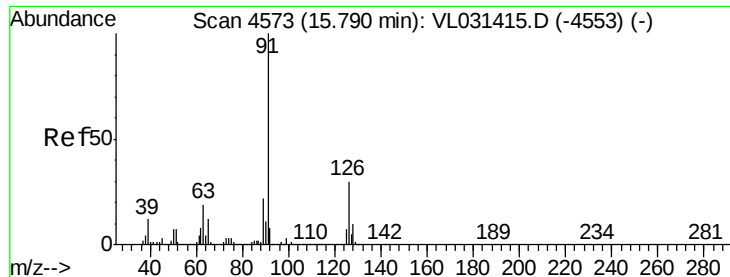
Ion Ratio Lower Upper

91 100

92 48.4 42.2 63.4

134 20.7 17.4 26.2

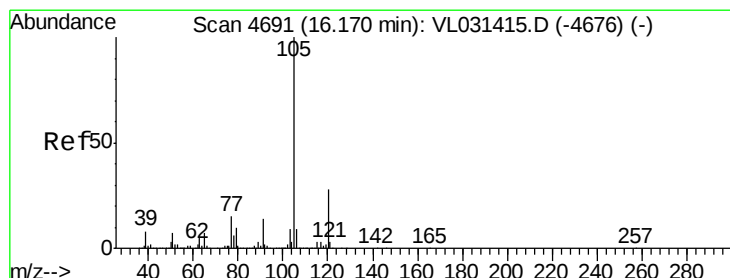
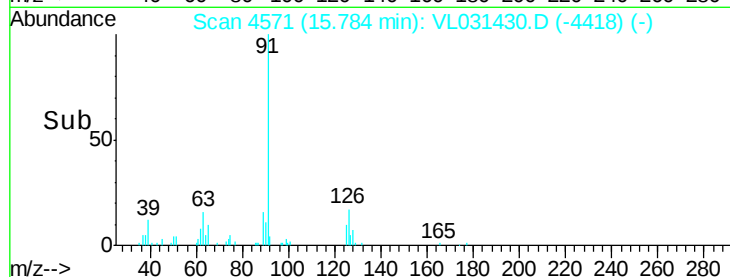
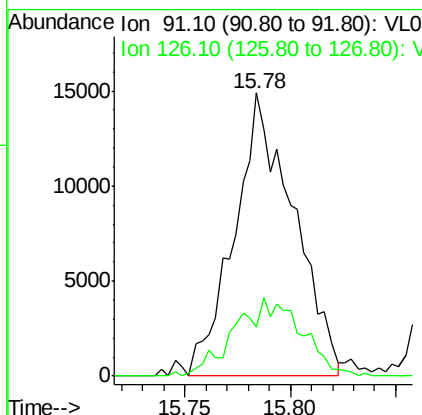
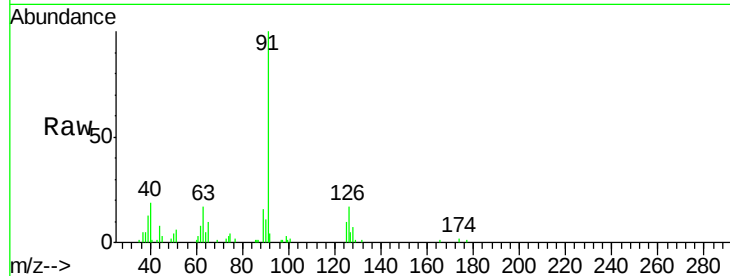




#71
 2-Chlorotoluene
 Concen: 0.09 ppbv
 RT: 15.78 min Scan# 4571
 Delta R.T. -0.01 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

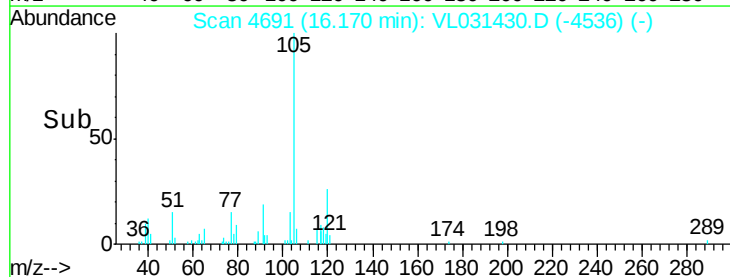
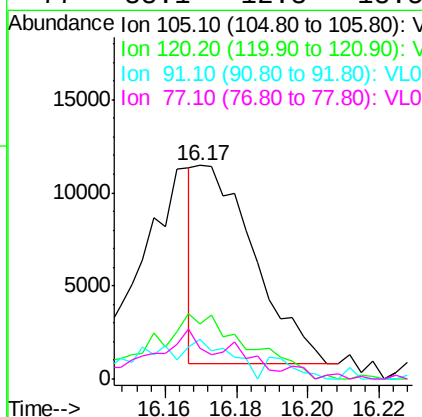
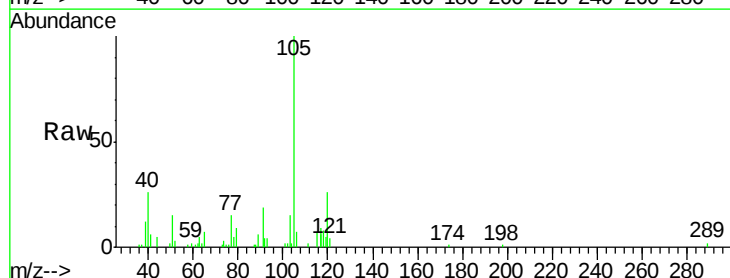
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

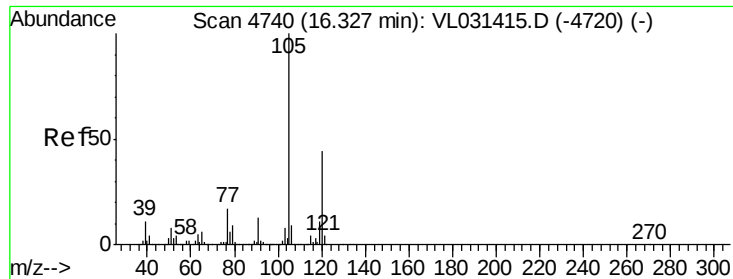
Tgt Ion: 91 Resp: 28924
 Ion Ratio Lower Upper
 91 100
 126 31.4 11.7 46.9



#72
 4-Ethyltoluene
 Concen: 0.04 ppbv
 RT: 16.17 min Scan# 4691
 Delta R.T. -0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Tgt Ion: 105 Resp: 12089
 Ion Ratio Lower Upper
 105 100
 120 59.3 23.0 34.6#
 91 38.9 11.0 16.4#
 77 38.1 12.3 18.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.08 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. 0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

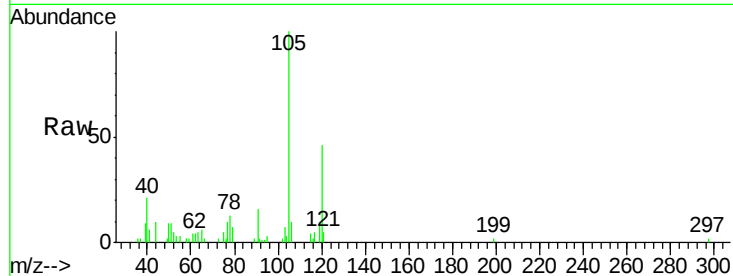
MDL-AIR-5

Tgt Ion:105 Resp: 24992

Ion Ratio Lower Upper

105 100

120 50.5 35.8 53.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.33

12000

10000

8000

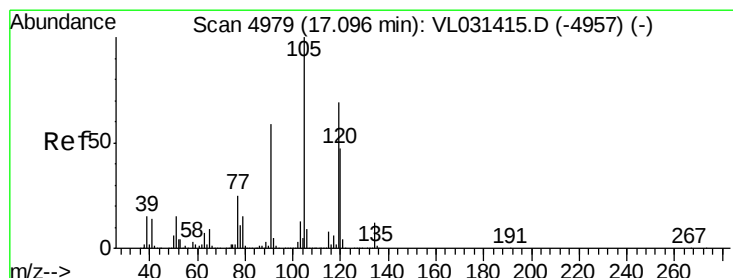
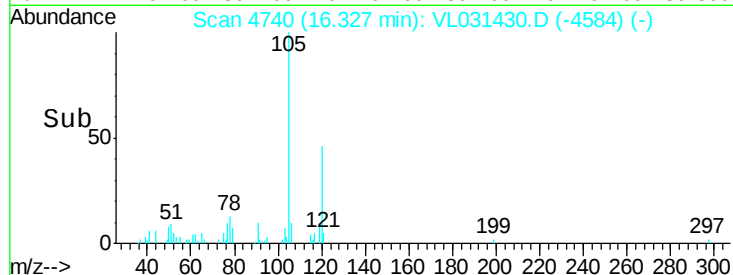
6000

4000

2000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.09 ppbv

RT: 17.10 min Scan# 4980

Delta R.T. -0.00 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Tgt Ion:105 Resp: 29563

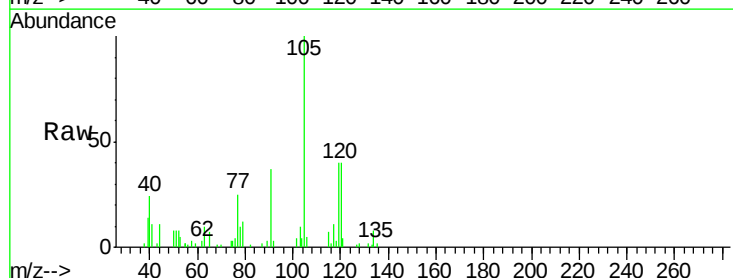
Ion Ratio Lower Upper

105 100

120 39.3 37.0 55.6

91 28.2 35.1 52.7#

77 25.4 17.9 26.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

20000

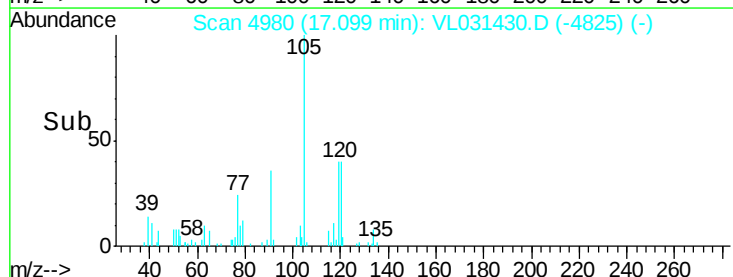
15000

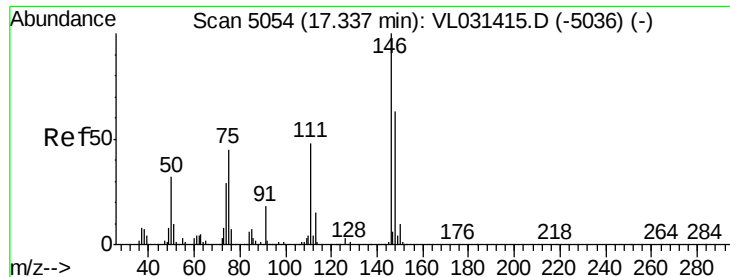
10000

5000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 0.05 ppbv

RT: 17.33 min Scan# 5051

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

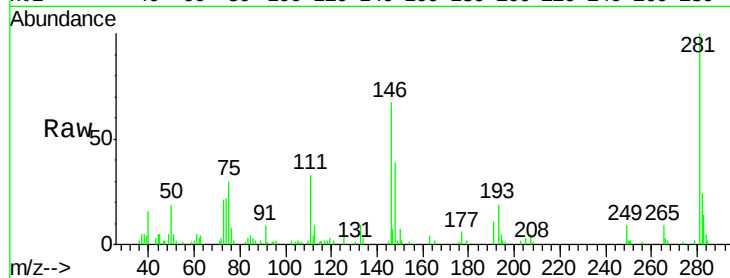
Tgt Ion:146 Resp: 10260

Ion Ratio Lower Upper

146 100

111 0.0 24.2 72.6#

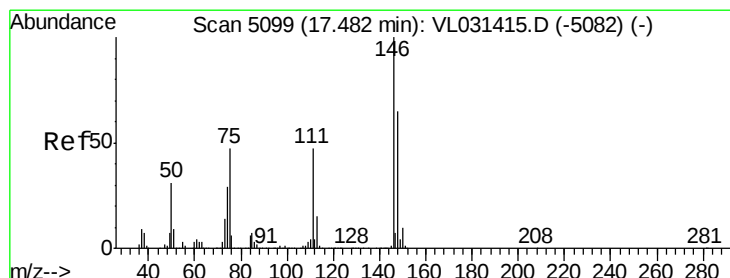
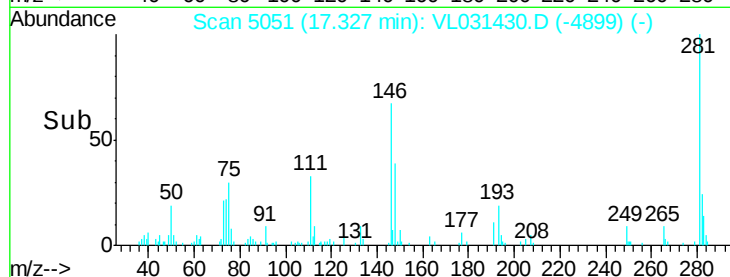
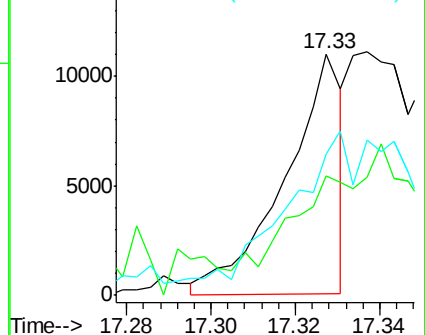
148 204.4 32.1 96.3#



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: 0.06 ppbv

RT: 17.48 min Scan# 5097

Delta R.T. -0.01 min

Lab File: VL031430.D

Acq: 23 Jan 2018 00:15

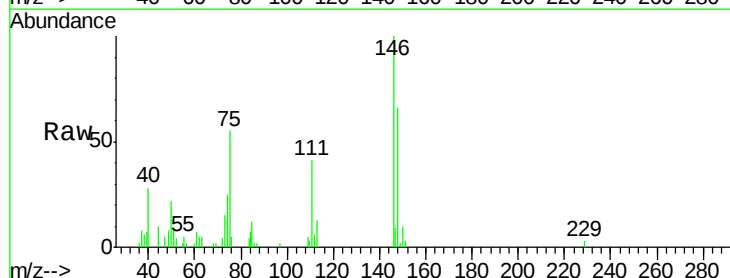
Tgt Ion:146 Resp: 12606

Ion Ratio Lower Upper

146 100

111 0.0 23.3 69.9#

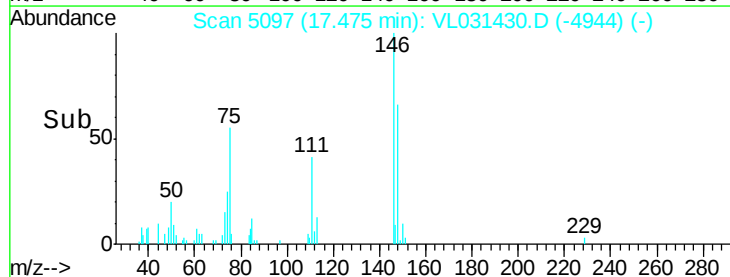
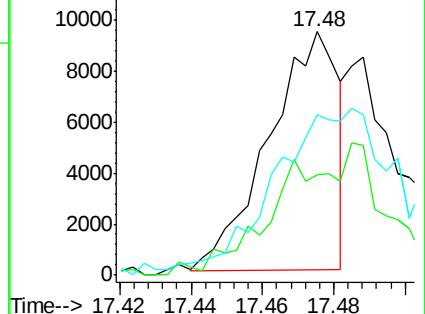
148 0.0 32.4 97.2#

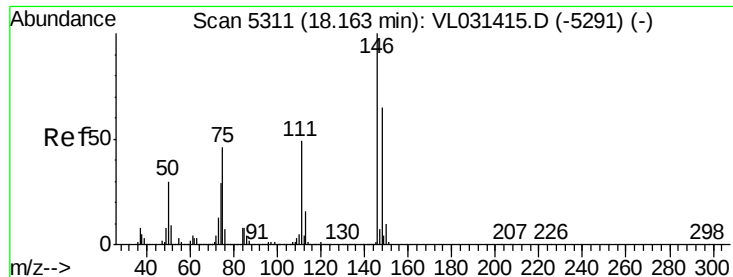


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

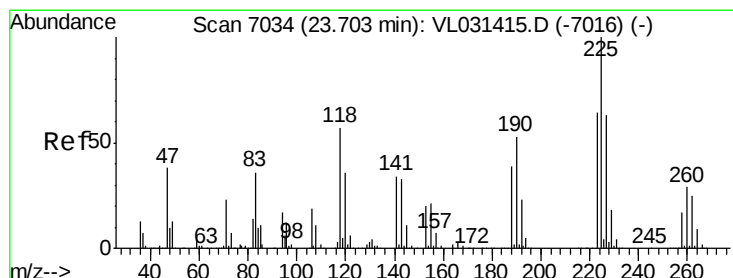
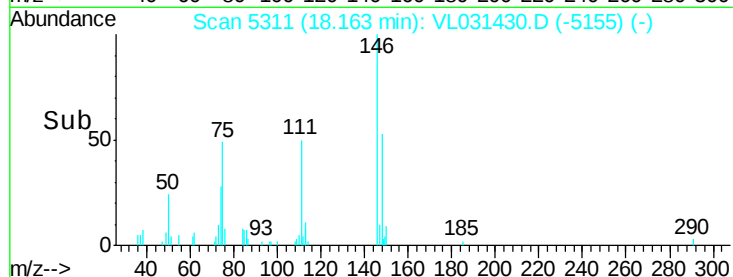
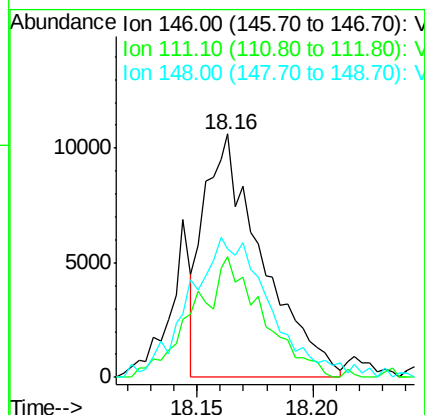
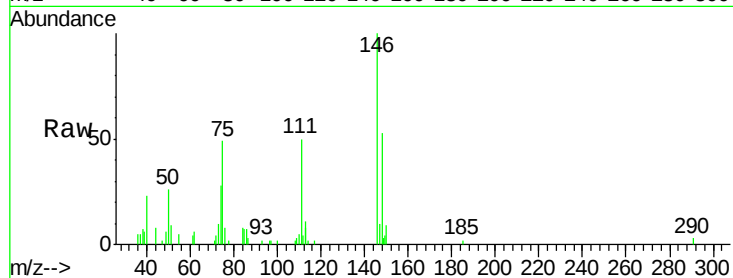




#77
 1,2-Dichlorobenzene
 Concen: 0.09 ppbv
 RT: 18.16 min Scan# 5311
 Delta R.T. 0.00 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

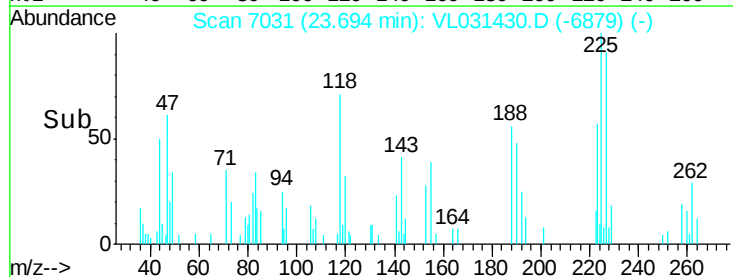
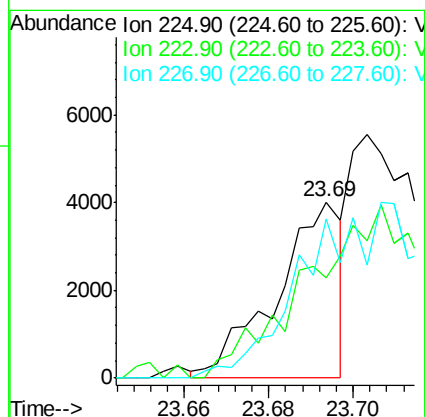
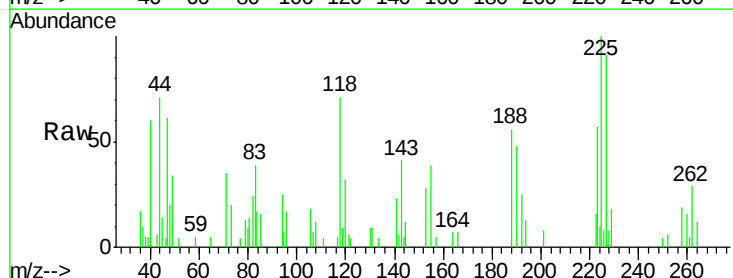
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

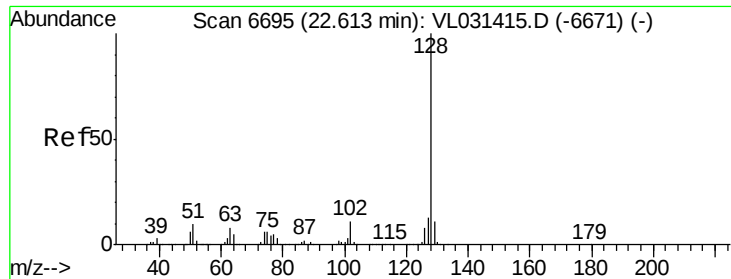
Tgt Ion:146 Resp: 18484
 Ion Ratio Lower Upper
 146 100
 111 59.6 24.6 74.0
 148 81.1 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.06 ppbv
 RT: 23.69 min Scan# 7031
 Delta R.T. -0.01 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Tgt Ion:225 Resp: 4318
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.3 76.9#
 227 0.0 50.7 76.1#

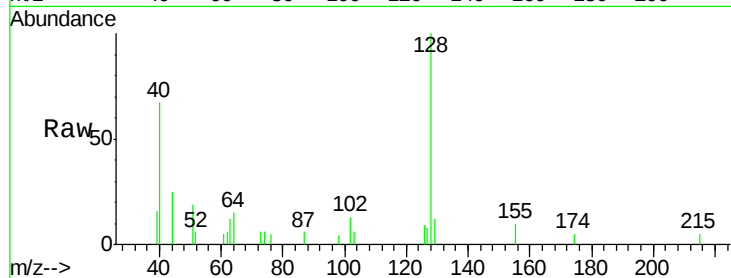




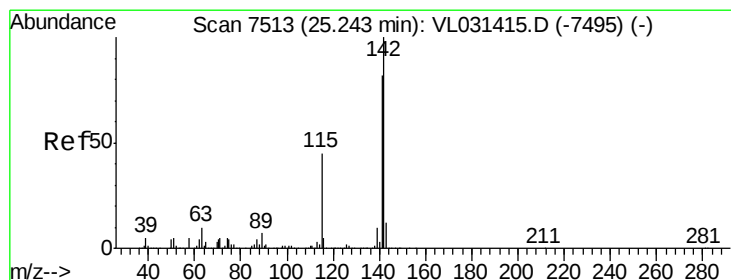
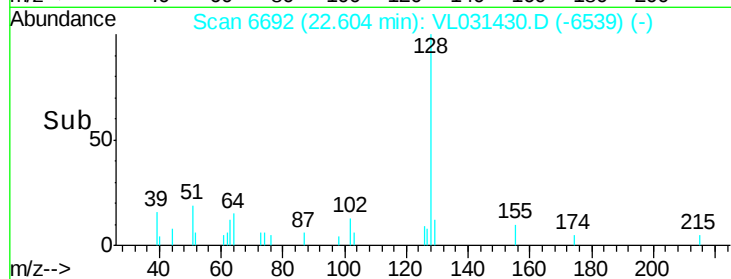
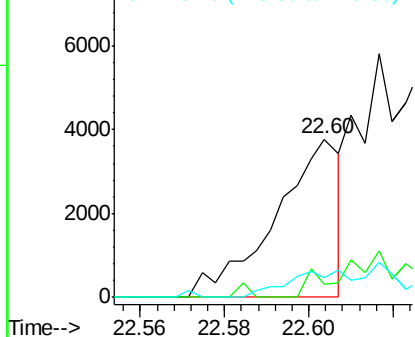
#79
Naphthalene
Concen: 0.02 ppbv
RT: 22.60 min Scan# 6692
Delta R.T. -0.01 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tgt Ion:128 Resp: 4034
Ion Ratio Lower Upper
128 100
127 8.4 10.6 16.0#
129 8.0 9.2 13.8#

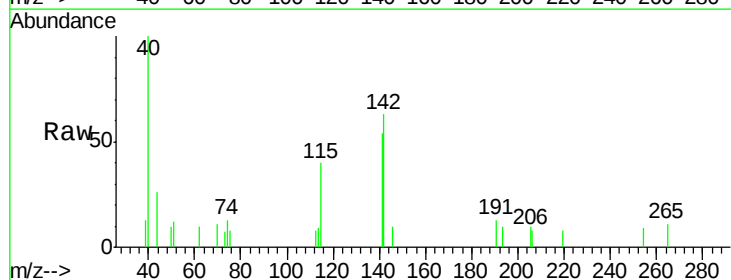


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

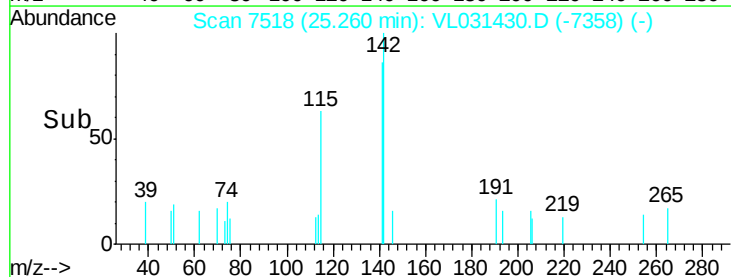
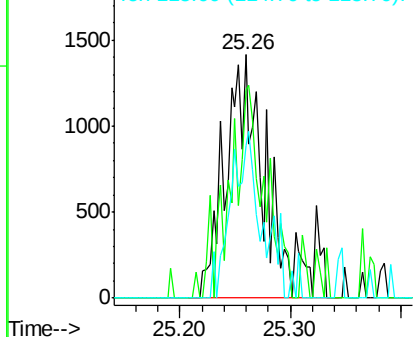


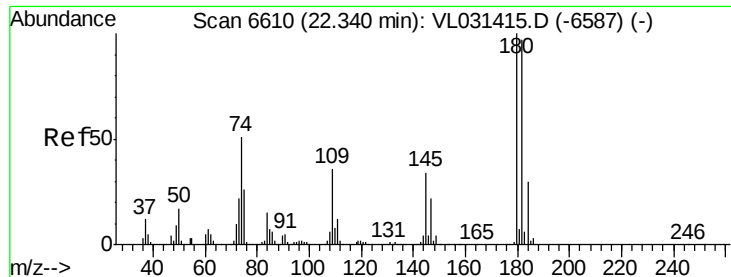
#80
Naphthalene, 2-methyl-
Concen: 0.06 ppbv
RT: 25.26 min Scan# 7518
Delta R.T. 0.01 min
Lab File: VL031430.D
Acq: 23 Jan 2018 00:15

Tgt Ion:142 Resp: 3685
Ion Ratio Lower Upper
142 100
141 74.2 68.7 103.1
115 51.8 36.3 54.5



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.02 ppbv
 RT: 22.33 min Scan# 6606
 Delta R.T. -0.01 min
 Lab File: VL031430.D
 Acq: 23 Jan 2018 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tgt Ion:180 Resp: 2656
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.4#
 184 0.0 24.2 36.4#

