

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031426.D
 Acq On : 22 Jan 2018 21:51
 Operator : SY/AP
 Sample : J1089-08 0.1 PPBV MDL
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Quant Time: Jan 23 06:20:00 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	5.90	49	1169477	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2832875	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2723667	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2222080	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.18	85	36762	0.22	ppbv	96
3) Chlorodifluoromethane	3.11	51	21140	0.14	ppbv	96
4) Chloromethane	3.28	50	10051	0.15	ppbv	99
5) Vinyl Chloride	3.40	62	9544	0.14	ppbv	99
6) Bromomethane	3.63	94	6587	0.14	ppbv #	70
7) Chloroethane	3.71	64	4468	0.16	ppbv #	85
8) Dichlorotetrafluoroethane	3.32	85	27204	0.15	ppbv	99
9) Propene	3.51	41	370	0.01	ppbv	87
10) Heptane	8.40	43	16145	0.10	ppbv	96
11) Trichlorofluoromethane	4.13	101	32070	0.14	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	19733	0.14	ppbv	99
13) Ethanol	3.77	45	522	0.03	ppbv #	1
14) Bromoethene	3.90	108	5323	0.10	ppbv #	59
15) Acetone	4.04	43	32046	0.21	ppbv	99
16) 1,3-Butadiene	3.47	39	6219	0.10	ppbv #	75
17) tert-Butyl alcohol	4.48	59	228	0.00	ppbv #	71
18) 1,1-Dichloroethene	4.48	96	8194	0.14	ppbv	89
19) Isopropyl Alcohol	4.17	45	6550	0.07	ppbv #	97
20) Methylene Chloride	4.53	84	15325	0.25	ppbv	86
21) Allyl Chloride	4.61	41	10959	0.12	ppbv #	84
22) trans-1,2-Dichloroethene	5.10	96	7424	0.12	ppbv	85
23) Vinyl Acetate	5.28	43	5299	0.03	ppbv #	87
24) 1,1-Dichloroethane	5.23	63	22597	0.14	ppbv #	96
25) Ethyl Acetate	5.93	43	35366	0.13	ppbv	98
26) Hexane	5.93	57	14941	0.12	ppbv #	86
27) Carbon Disulfide	4.75	76	18369	0.11	ppbv #	65
28) Methyl tert-Butyl Ether	5.27	73	16143	0.11	ppbv	93
29) Chloroform	5.99	83	27376	0.13	ppbv	98
30) Cyclohexane	7.39	84	2932	0.03	ppbv #	1
31) cis-1,2-Dichloroethene	5.78	61	14275	0.12	ppbv #	78
32) 1,1,1-Trichloroethane	6.77	97	26116	0.13	ppbv	93
34) 2-Butanone	5.49	43	23140	0.13	ppbv	94
35) Carbon Tetrachloride	7.29	117	15473	0.07	ppbv	95
36) Benzene	7.16	78	28095	0.11	ppbv #	89
37) 1,2-Dichloroethane	6.57	62	25039	0.13	ppbv	98
38) Trichloroethene	8.13	130	2844	0.03	ppbv	86
39) 1,2-Dichloropropane	7.89	63	11888	0.13	ppbv	93
40) 1,4-Dioxane	8.10	88	79	0.00	ppbv #	1
41) Tetrahydrofuran	6.33	42	4930	0.05	ppbv #	46
42) Bromodichloromethane	8.07	83	29204	0.12	ppbv #	85
43) Methyl Methacrylate	8.30	69	7690	0.08	ppbv #	79

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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
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

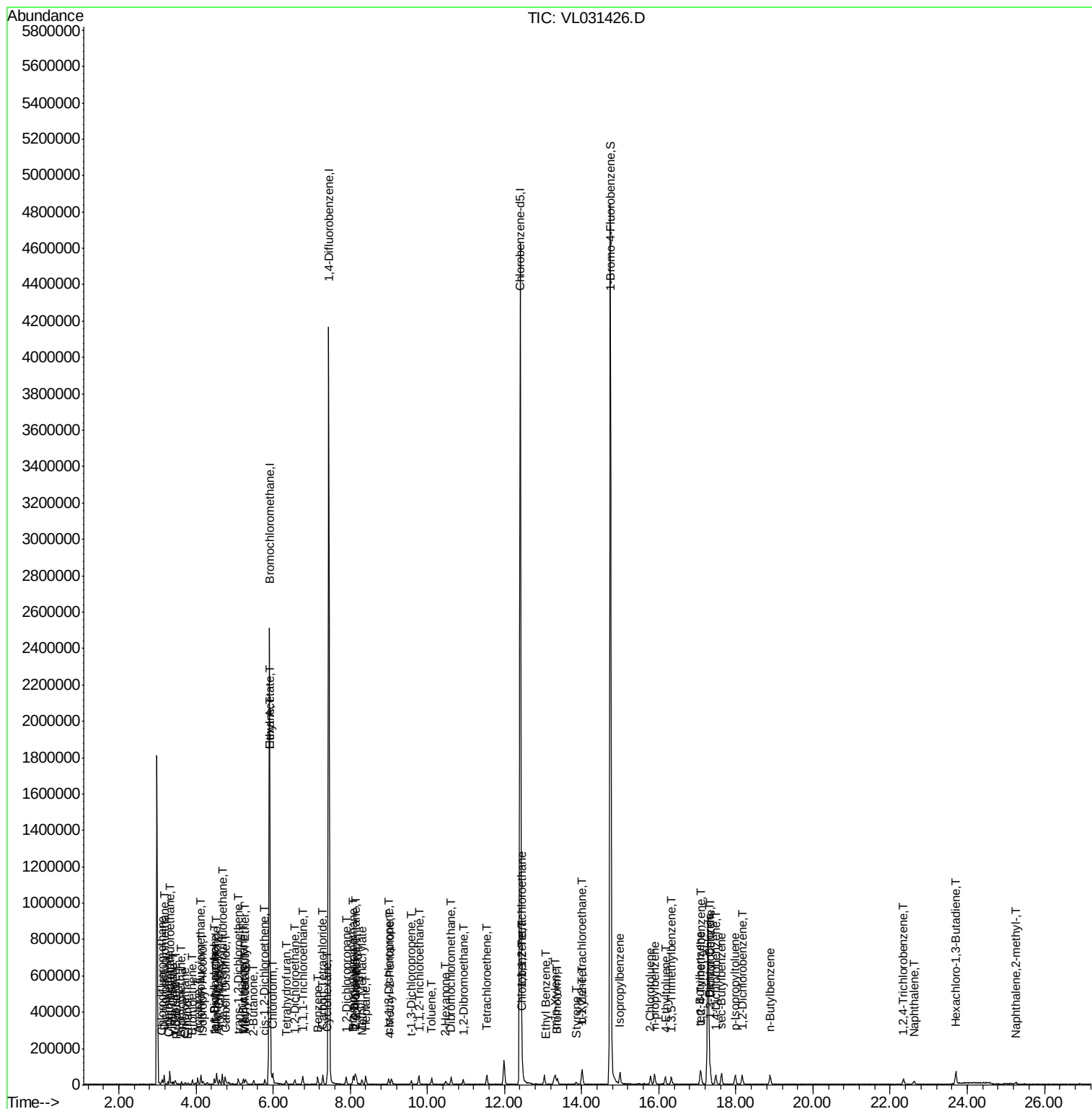
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	38784	0.09	ppbv #	84
45) t-1,3-Dichloropropene	9.57	75	4724	0.04	ppbv	94
46) cis-1,3-Dichloropropene	8.99	75	13302	0.08	ppbv	92
47) 1,1,2-Trichloroethane	9.78	97	13919	0.13	ppbv #	80
48) Dibromochloromethane	10.62	129	13412	0.07	ppbv #	43
49) Bromoform	13.38	173	14953	0.10	ppbv	97
50) 4-Methyl-2-Pentanone	9.03	43	232	0.00	ppbv #	41
51) 2-Hexanone	10.47	43	7774	0.03	ppbv #	31
52) Tetrachloroethene	11.54	164	11268	0.12	ppbv #	70
53) Toluene	10.11	91	13722	0.05	ppbv #	37
54) 1,2-Dibromoethane	10.92	107	10910	0.06	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.46	131	5409	0.04	ppbv #	9
57) Chlorobenzene	12.47	112	31573	0.13	ppbv	97
58) Ethyl Benzene	13.07	91	433	0.00	ppbv	95
59) m/p-Xylene	13.32	91	27211	0.08	ppbv #	10
60) o-Xylene	14.02	91	14717	0.04	ppbv #	25
61) Styrene	13.85	104	3352	0.05	ppbv #	39
62) Isopropylbenzene	14.99	105	43578	0.10	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.00	83	12538	0.05	ppbv #	1
64) n-propylbenzene	15.88	120	5720	0.05	ppbv #	1
65) tert-Butylbenzene	17.07	119	12528	0.03	ppbv #	16
66) Benzyl Chloride	17.32	91	705	0.02	ppbv #	66
67) sec-Butylbenzene	17.63	105	45739	0.09	ppbv	96
69) p-Isopropyltoluene	17.98	119	16393	0.04	ppbv #	46
70) n-Butylbenzene	18.87	91	7976	0.02	ppbv #	34
71) 2-Chlorotoluene	15.78	91	16486	0.05	ppbv #	45
72) 4-Ethyltoluene	16.16	105	10690	0.03	ppbv #	46
73) 1,3,5-Trimethylbenzene	16.33	105	22820	0.07	ppbv	88
74) 1,2,4-Trimethylbenzene	17.09	105	30730	0.09	ppbv	90
75) 1,3-Dichlorobenzene	17.34	146	17662	0.08	ppbv #	36
76) 1,4-Dichlorobenzene	17.48	146	13819	0.07	ppbv #	25
77) 1,2-Dichlorobenzene	18.16	146	13651	0.07	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.70	225	6577	0.09	ppbv #	7
79) Naphthalene	22.63	128	4388	0.02	ppbv	98
80) Naphthalene,2-methyl-	25.25	142	4738	0.08	ppbv	93
81) 1,2,4-Trichlorobenzene	22.32	180	1742	0.02	ppbv #	12

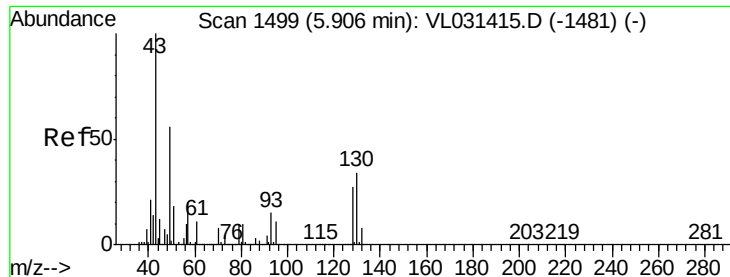
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.90 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

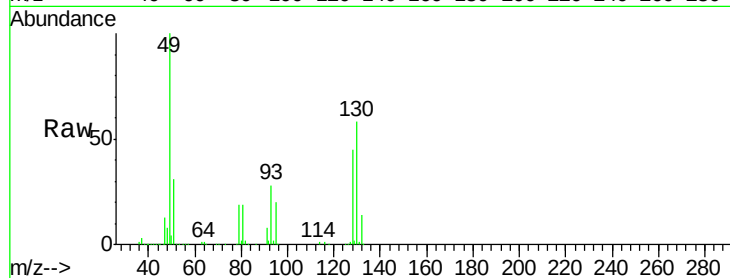
Tgt Ion: 49 Resp: 1169477

Ion Ratio Lower Upper

49 100

128 46.2 23.5 70.6

130 59.6 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

5.90

800000

600000

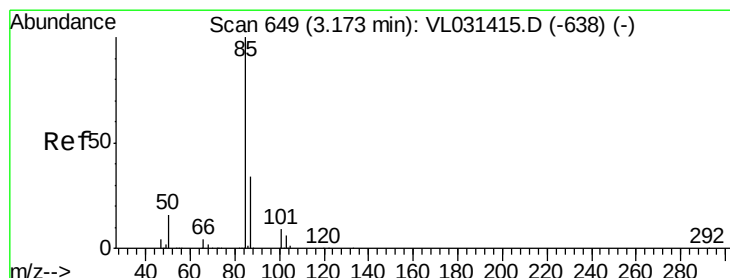
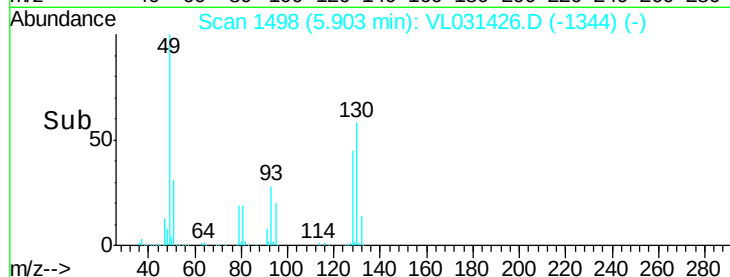
400000

200000

0

5.85 5.90 5.95

Time-->



#2

Dichlorodifluoromethane

Concen: 0.22 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031426.D

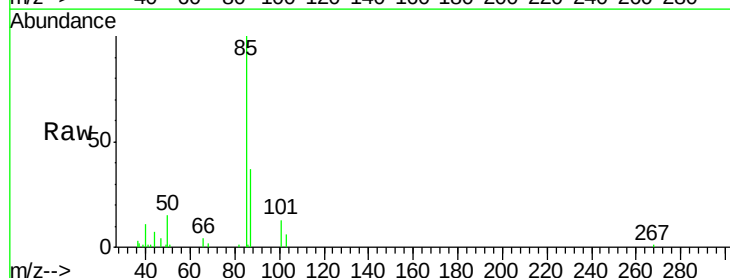
Acq: 22 Jan 2018 21:51

Tgt Ion: 85 Resp: 36762

Ion Ratio Lower Upper

85 100

87 36.7 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.18

30000

25000

20000

15000

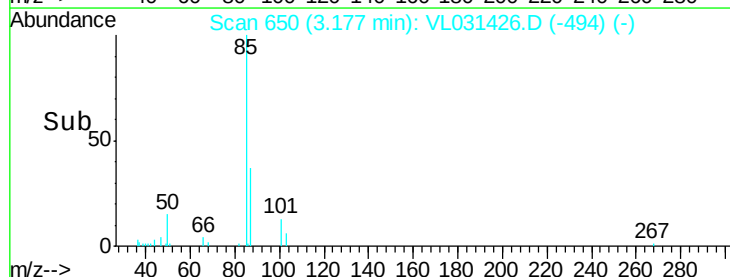
10000

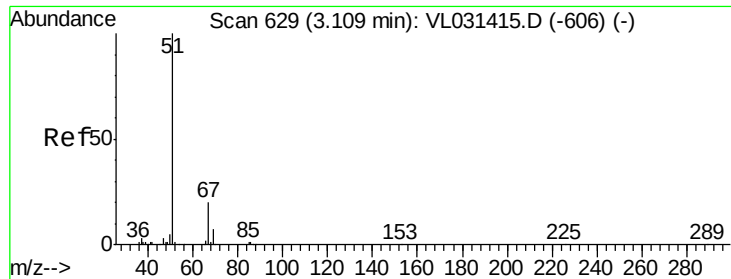
5000

0

3.15 3.20

Time-->





#3

Chlorodifluoromethane

Concen: 0.14 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

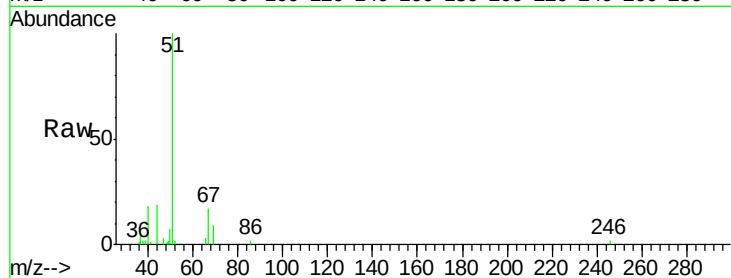
MDL-AIR-1DL

Tgt Ion: 51 Resp: 21140

Ion Ratio Lower Upper

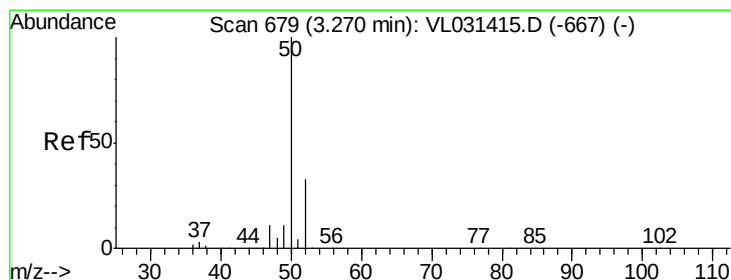
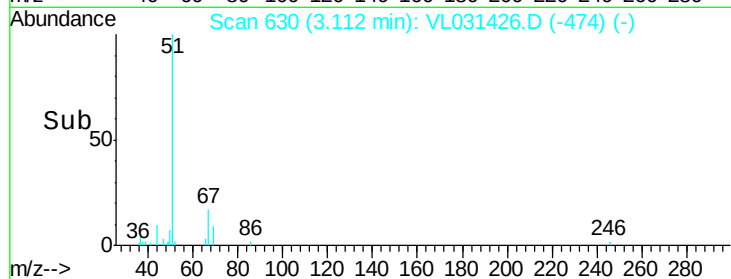
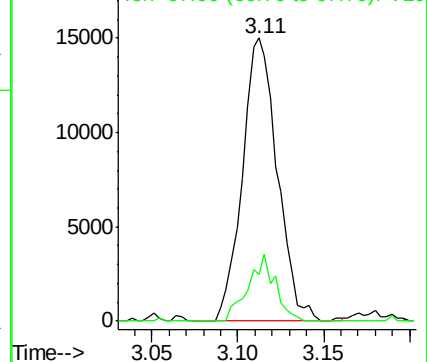
51 100

67 18.0 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: 0.15 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031426.D

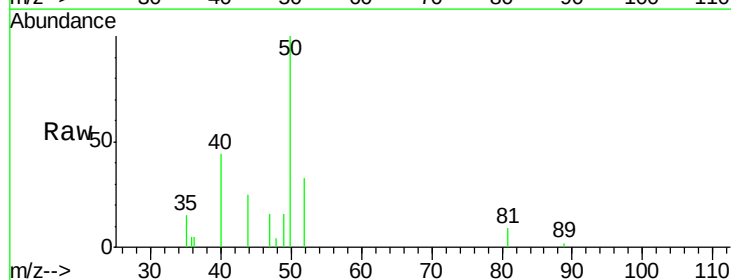
Acq: 22 Jan 2018 21:51

Tgt Ion: 50 Resp: 10051

Ion Ratio Lower Upper

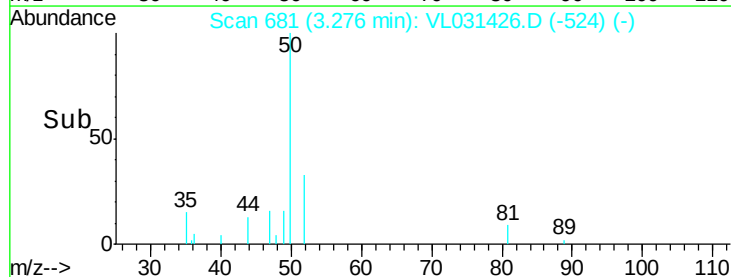
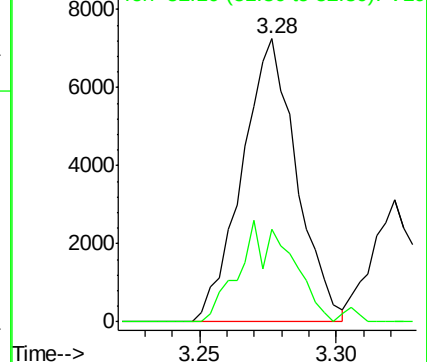
50 100

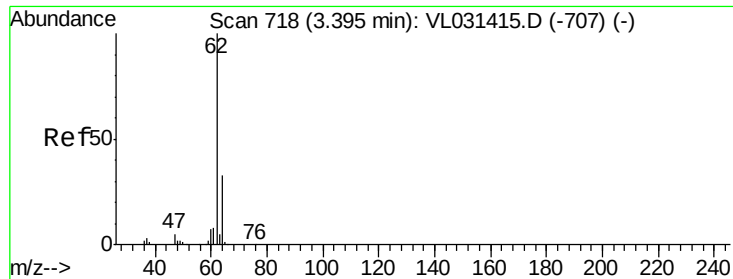
52 32.5 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.14 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

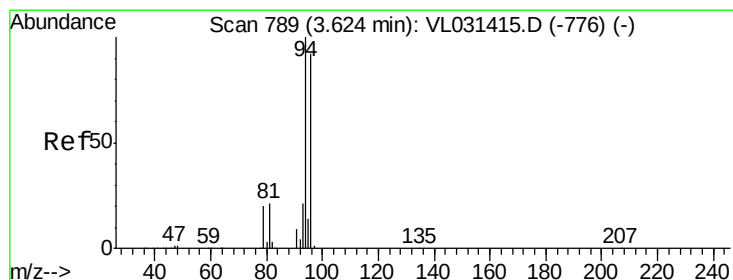
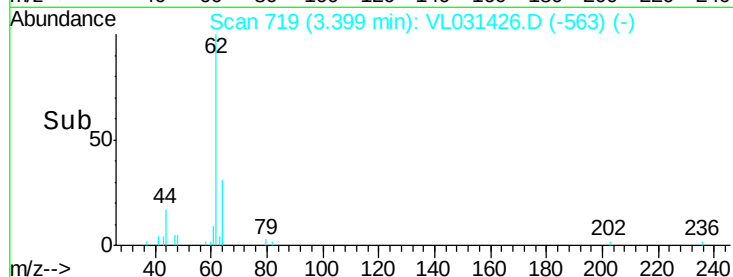
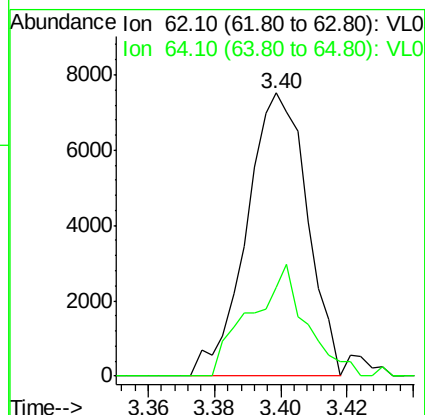
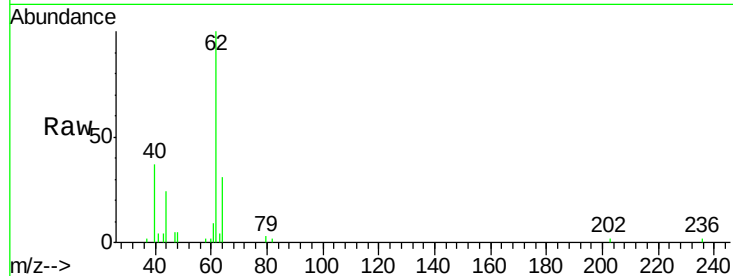
MDL-AIR-1DL

Tgt Ion: 62 Resp: 9544

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0



#6

Bromomethane

Concen: 0.14 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031426.D

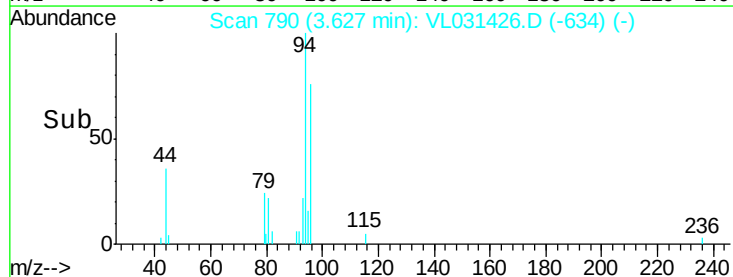
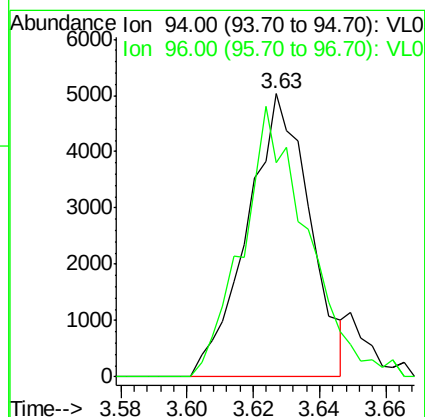
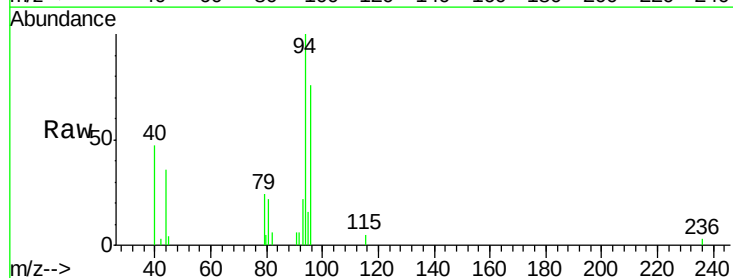
Acq: 22 Jan 2018 21:51

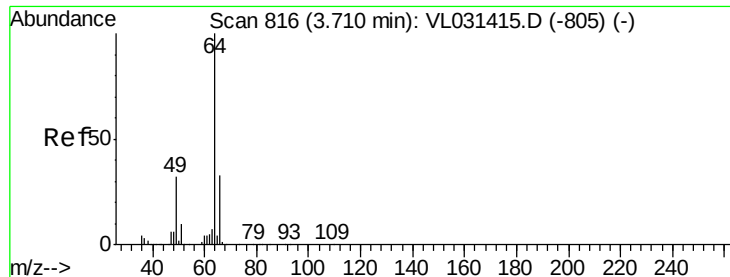
Tgt Ion: 94 Resp: 6587

Ion Ratio Lower Upper

94 100

96 65.0 75.1 112.7#





#7

Chloroethane

Concen: 0.16 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

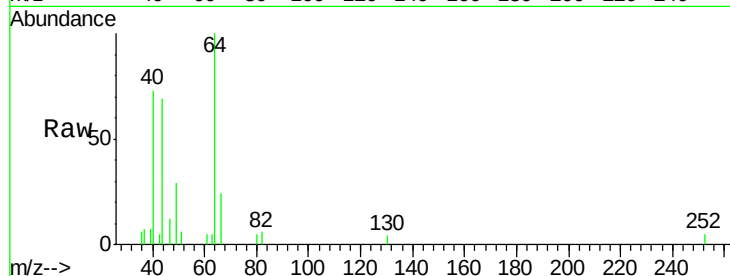
MDL-AIR-1DL

Tgt Ion: 64 Resp: 4468

Ion Ratio Lower Upper

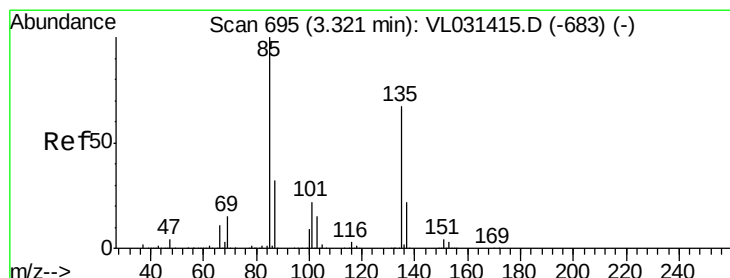
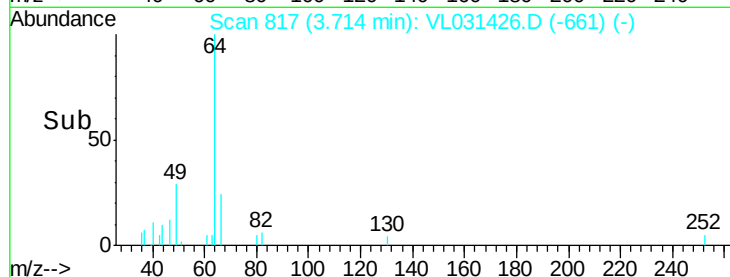
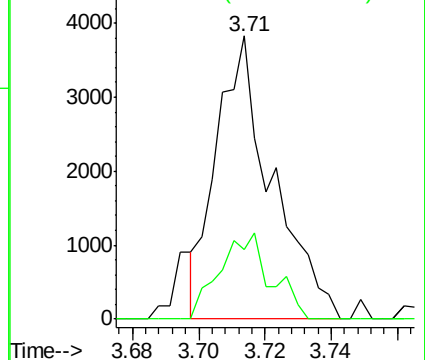
64 100

66 24.5 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: 0.15 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031426.D

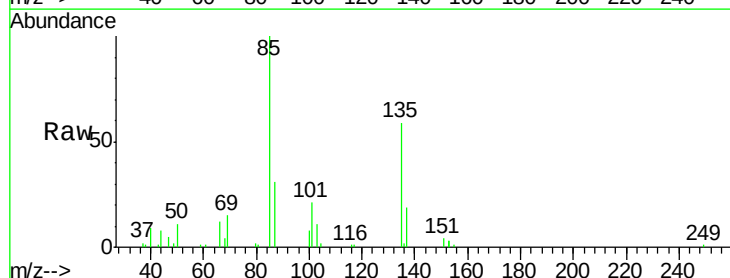
Acq: 22 Jan 2018 21:51

Tgt Ion: 85 Resp: 27204

Ion Ratio Lower Upper

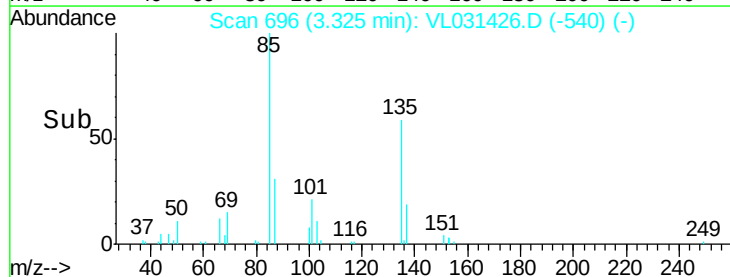
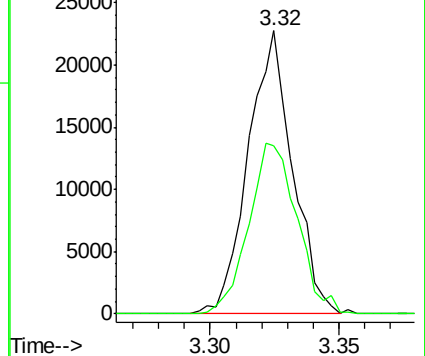
85 100

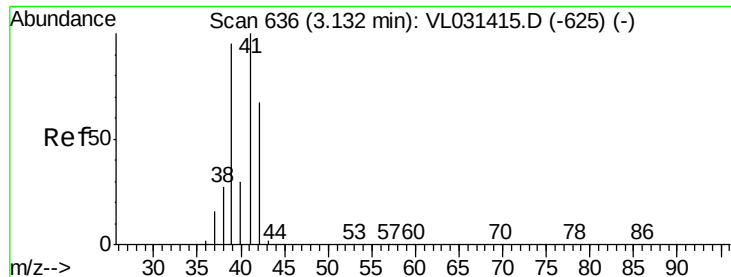
135 65.9 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.01 ppbv

RT: 3.51 min Scan# 753

Delta R.T. 0.37 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

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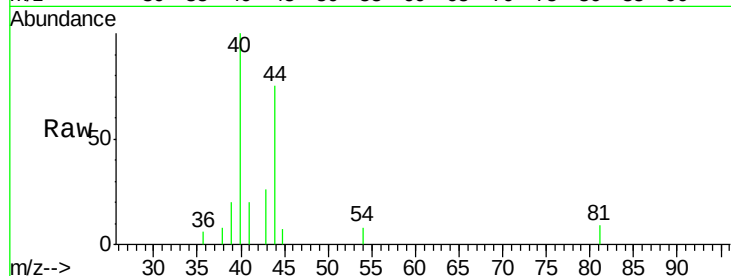
MDL-AIR-1DL

Tgt Ion: 41 Resp: 370

Ion Ratio Lower Upper

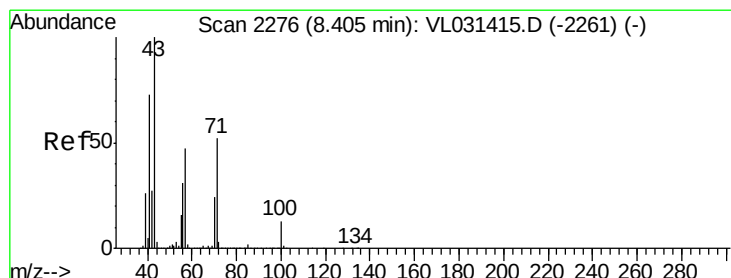
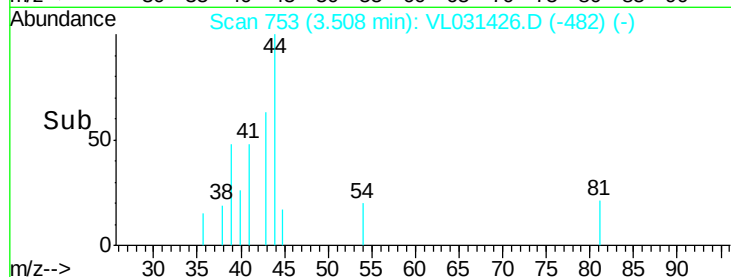
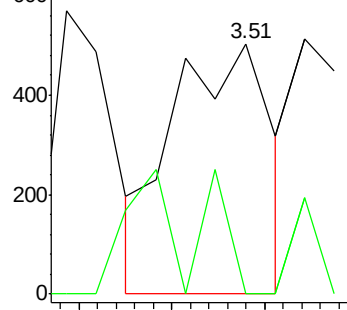
41 100

42 58.1 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.10 ppbv

RT: 8.40 min Scan# 2274

Delta R.T. -0.01 min

Lab File: VL031426.D

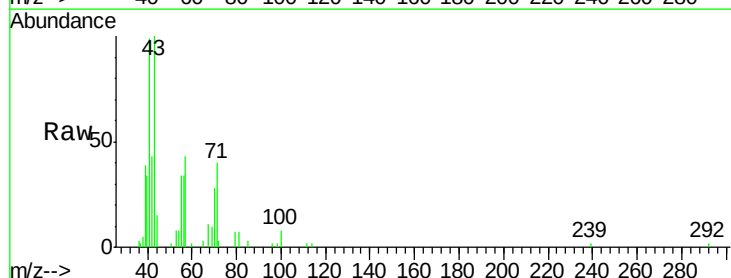
Acq: 22 Jan 2018 21:51

Tgt Ion: 43 Resp: 16145

Ion Ratio Lower Upper

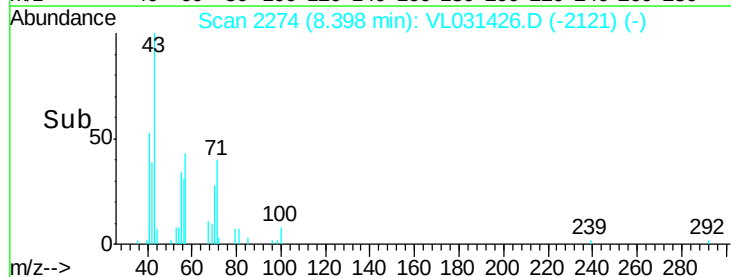
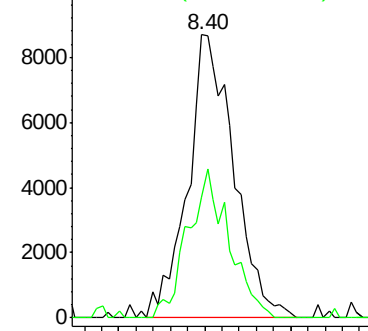
43 100

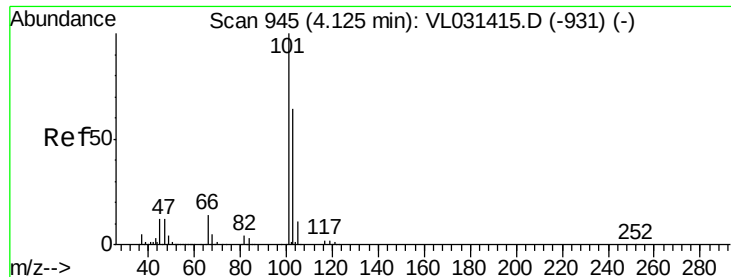
57 47.0 39.7 59.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

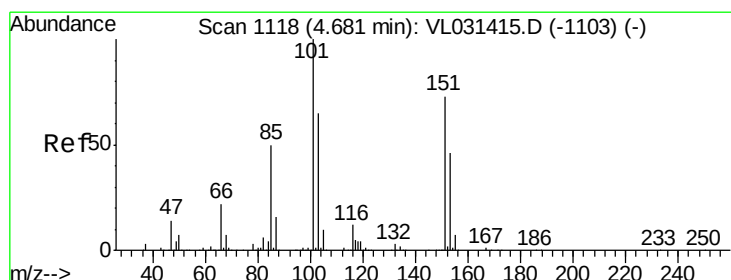
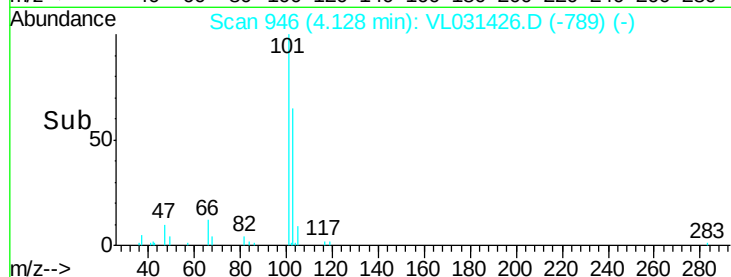
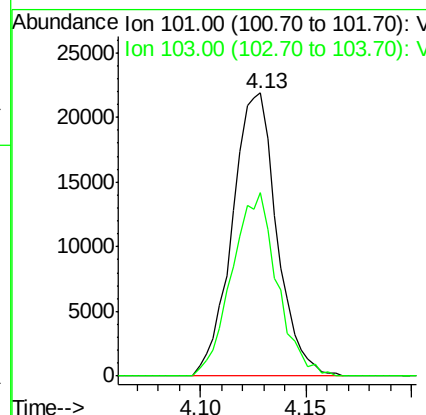
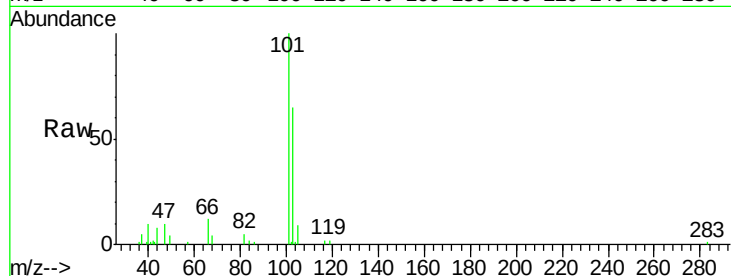




#11
 Trichlorofluoromethane
 Concen: 0.14 ppbv
 RT: 4.13 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

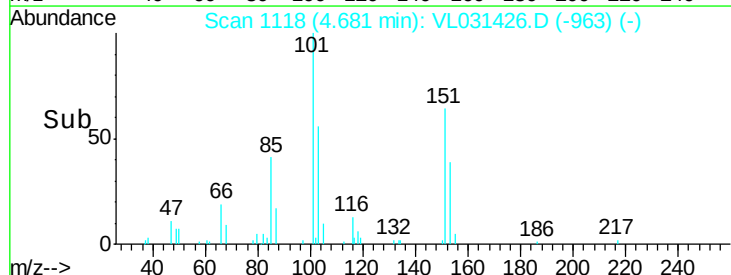
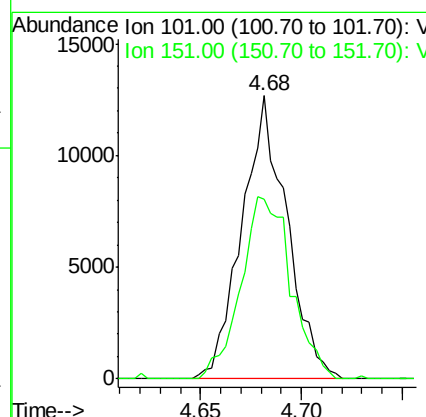
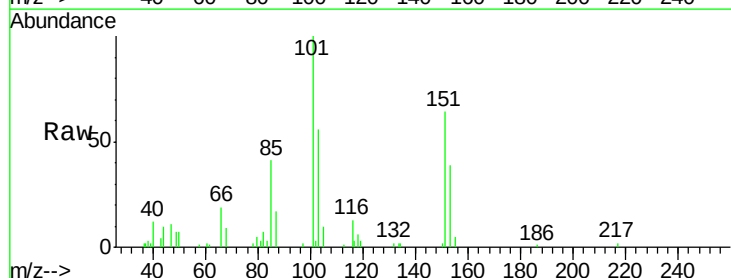
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

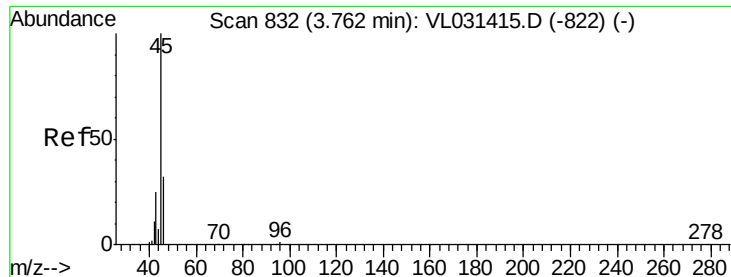
Tgt Ion:101 Resp: 32070
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.14 ppbv
 RT: 4.68 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Tgt Ion:101 Resp: 19733
 Ion Ratio Lower Upper
 101 100
 151 71.9 58.1 87.1

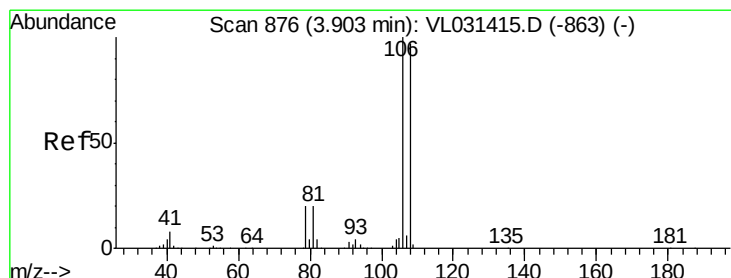
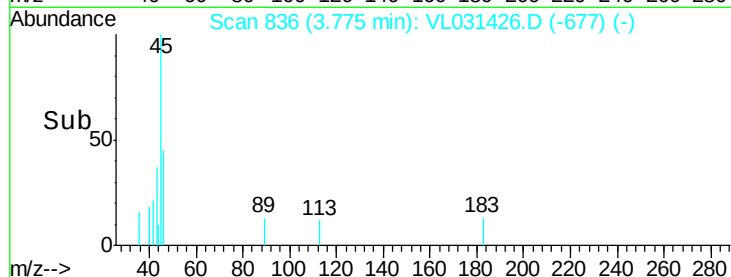
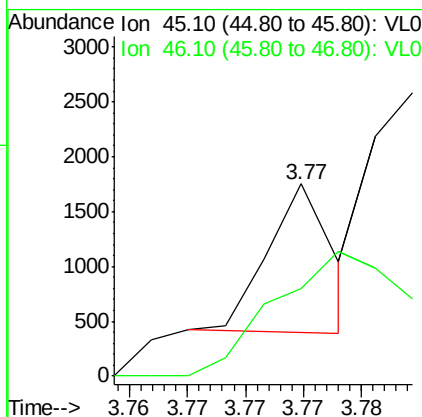
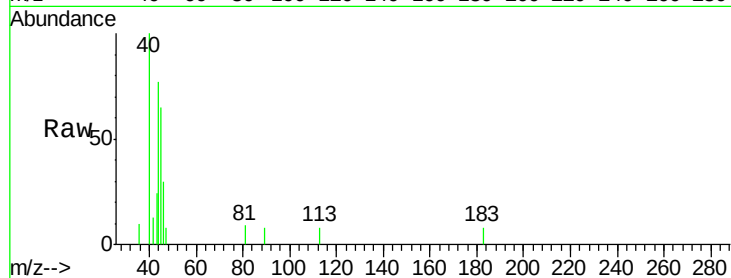




#13
Ethanol
Concen: 0.03 ppbv
RT: 3.77 min Scan# 836
Delta R.T. 0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

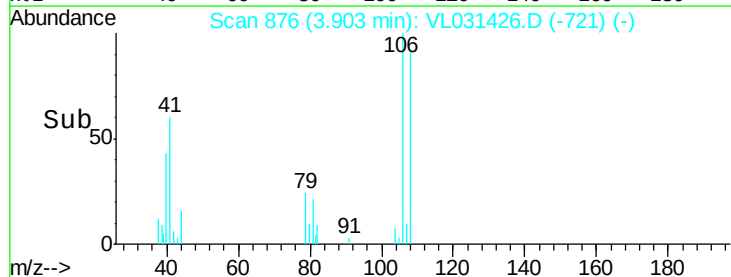
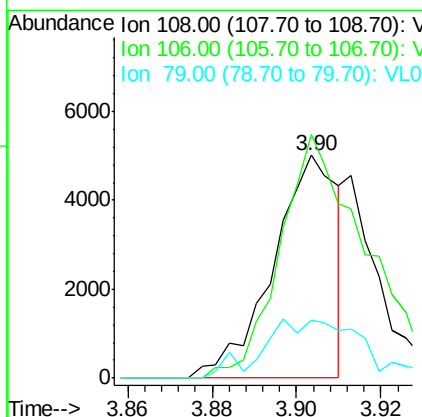
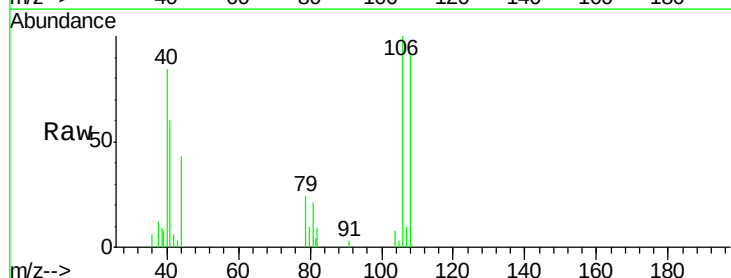
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

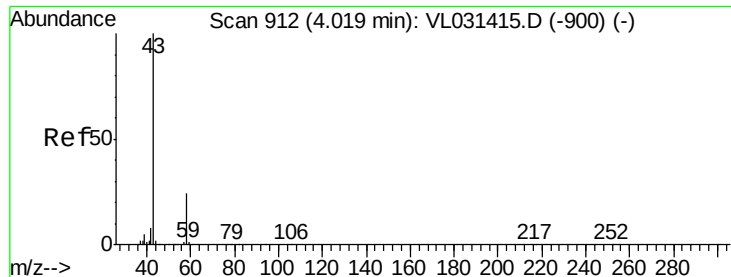
Tgt Ion: 45 Resp: 522
Ion Ratio Lower Upper
45 100
46 298.9 14.9 59.5#



#14
Bromoethene
Concen: 0.10 ppbv
RT: 3.90 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 108 Resp: 5323
Ion Ratio Lower Upper
108 100
106 147.5 85.3 127.9#
79 43.9 16.8 25.2#





#15

Acetone

Concen: 0.21 ppbv

RT: 4.04 min Scan# 920

Delta R.T. 0.02 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

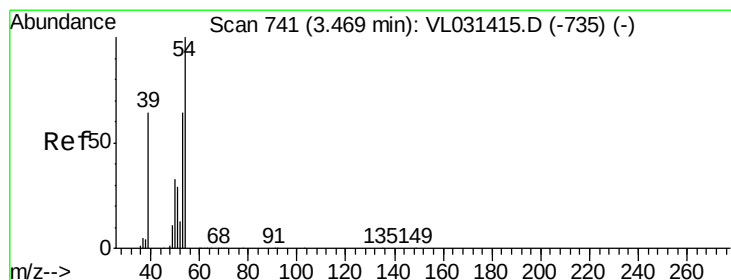
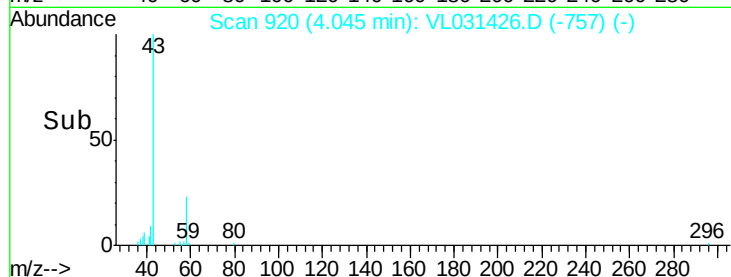
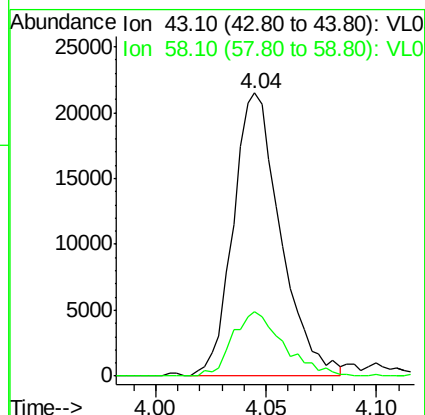
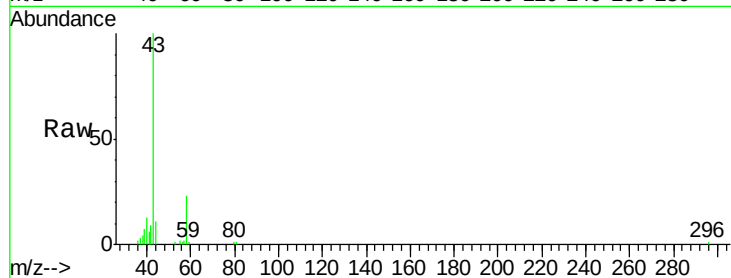
MDL-AIR-1DL

Tgt Ion: 43 Resp: 32046

Ion Ratio Lower Upper

43 100

58 24.6 19.4 29.2



#16

1,3-Butadiene

Concen: 0.10 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031426.D

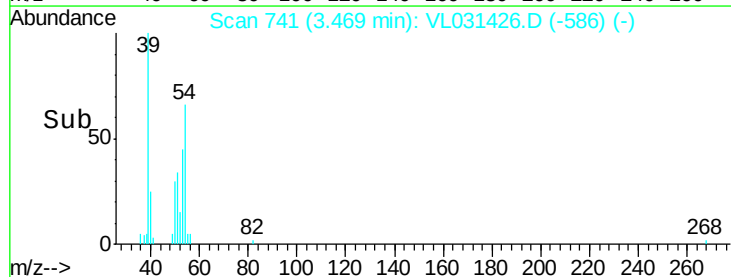
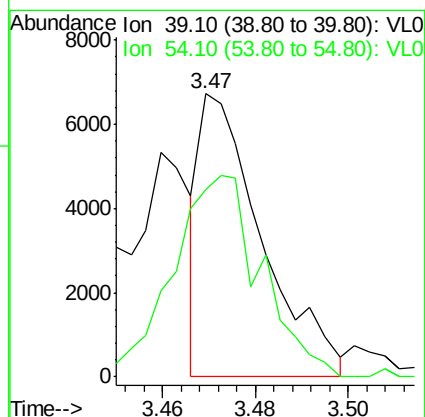
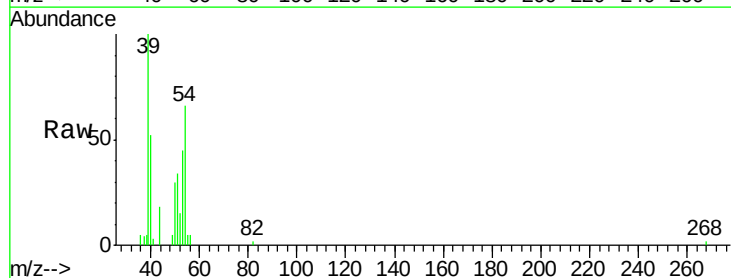
Acq: 22 Jan 2018 21:51

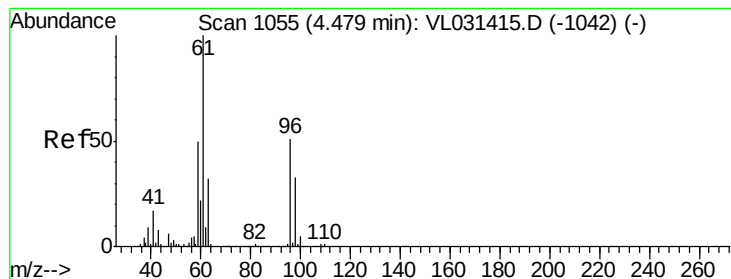
Tgt Ion: 39 Resp: 6219

Ion Ratio Lower Upper

39 100

54 106.2 67.0 100.6#





#17

tert-Butyl alcohol

Concen: 0.00 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

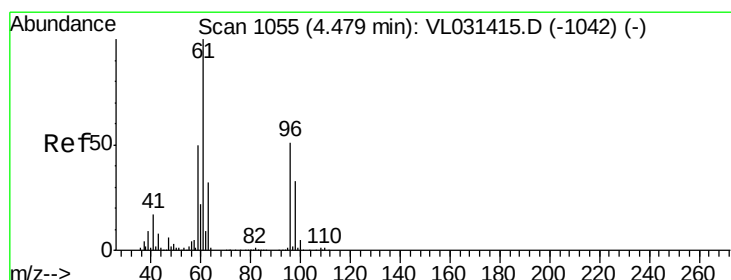
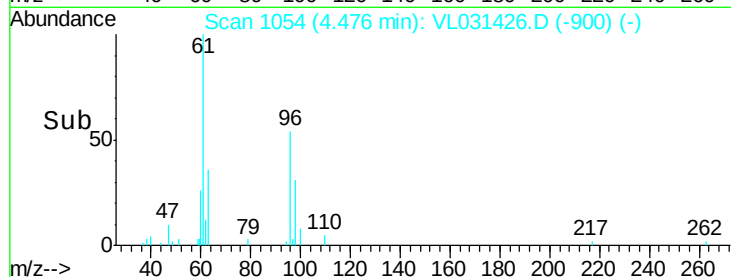
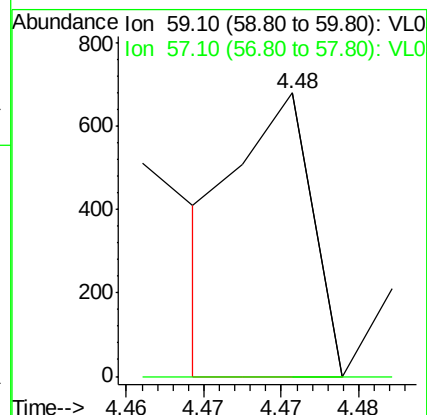
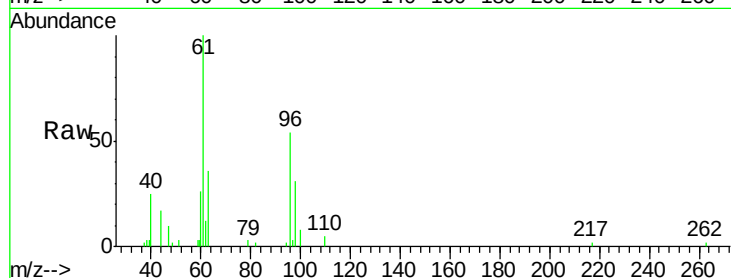
MDL-AIR-1DL

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 0.14 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

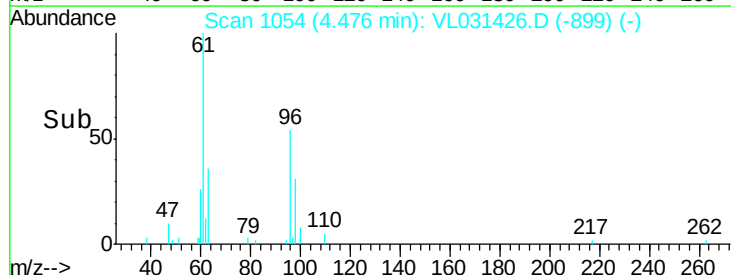
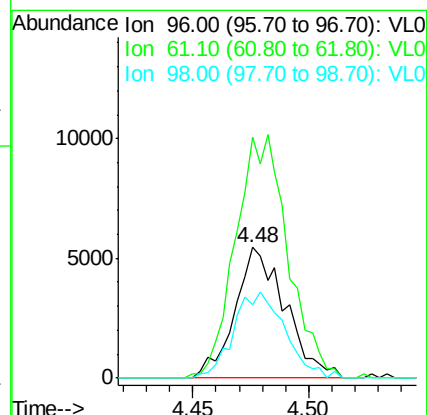
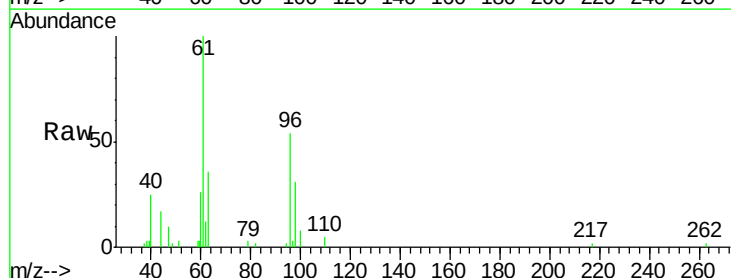
Tgt Ion: 96 Resp: 8194

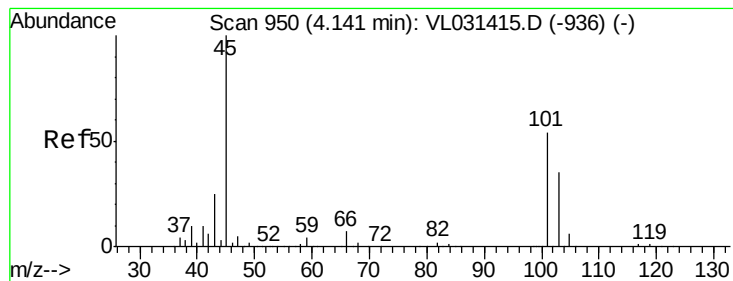
Ion Ratio Lower Upper

96 100

61 184.1 161.6 242.4

98 56.2 49.6 74.4





#19

Isopropyl Alcohol

Concen: 0.07 ppbv

RT: 4.17 min Scan# 959

Delta R.T. 0.03 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

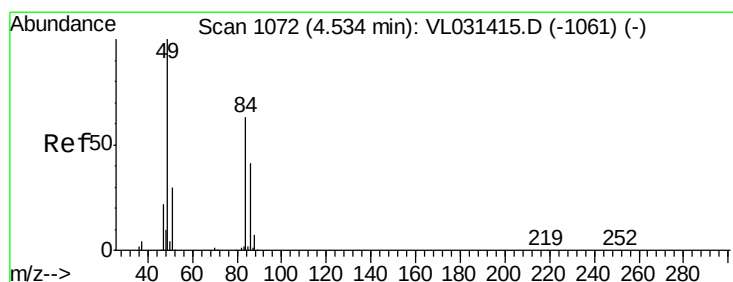
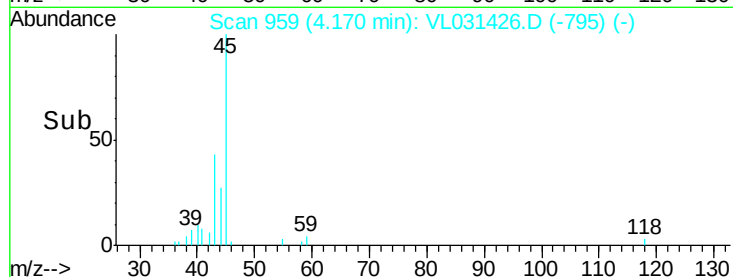
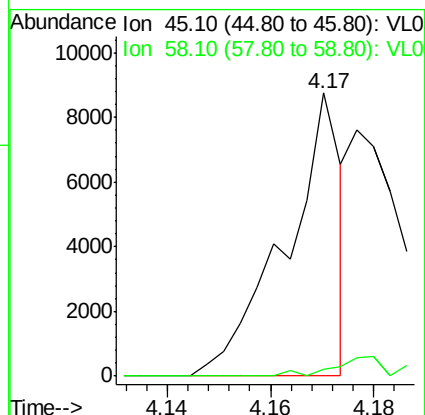
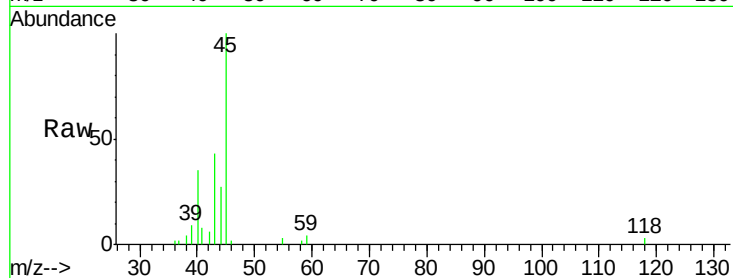
MDL-AIR-1DL

Tgt Ion: 45 Resp: 6550

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.4#



#20

Methylene Chloride

Concen: 0.25 ppbv

RT: 4.53 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Tgt Ion: 84 Resp: 15325

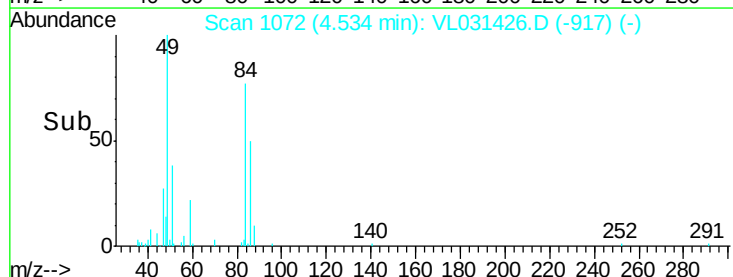
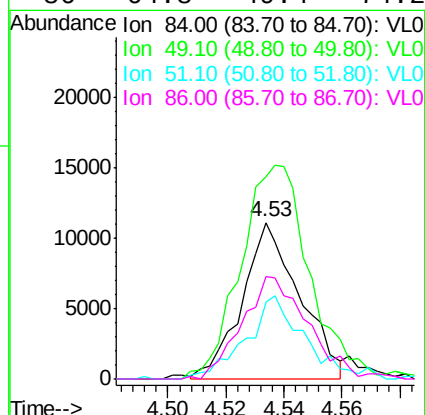
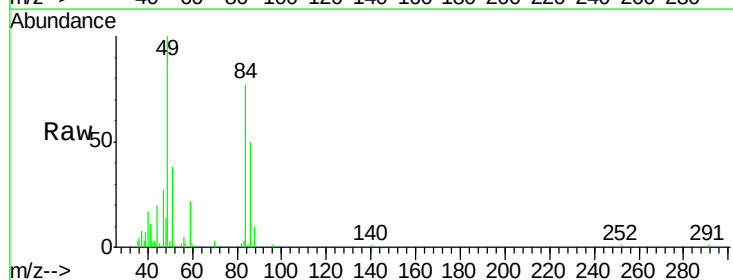
Ion Ratio Lower Upper

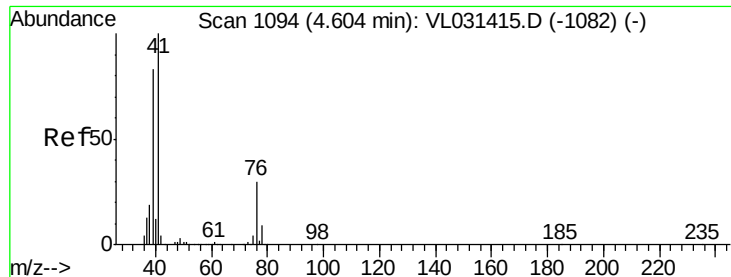
84 100

49 127.1 123.4 185.0

51 48.8 35.6 53.4

86 64.8 49.4 74.2

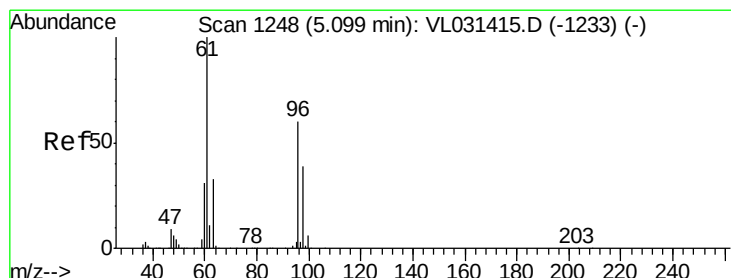
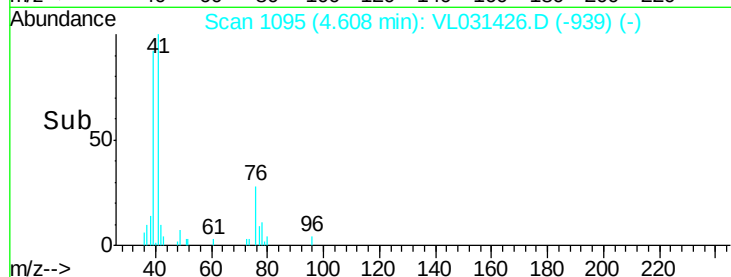
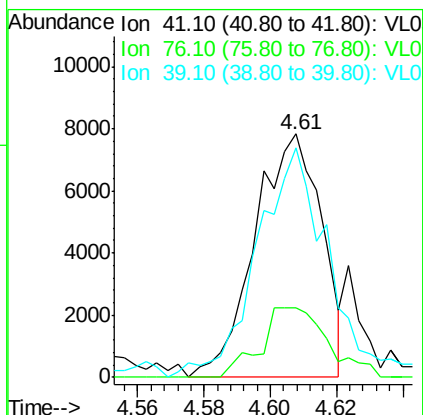
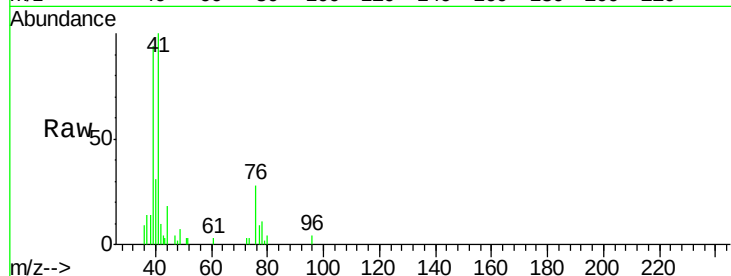




#21
 Allyl Chloride
 Concen: 0.12 ppbv
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

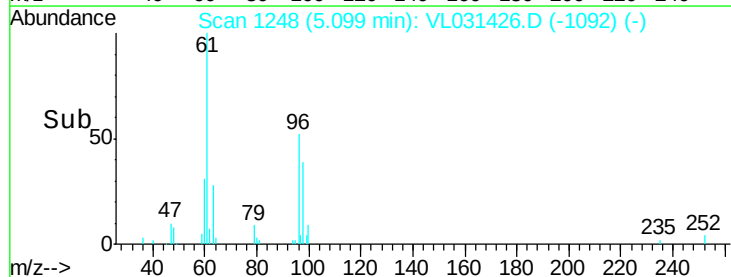
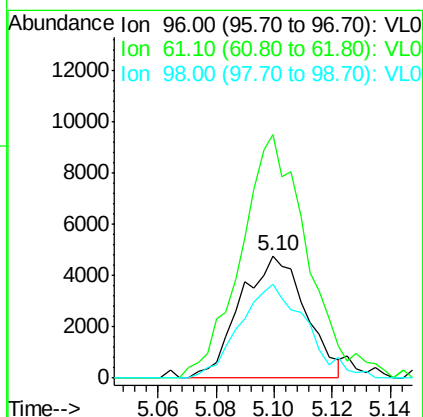
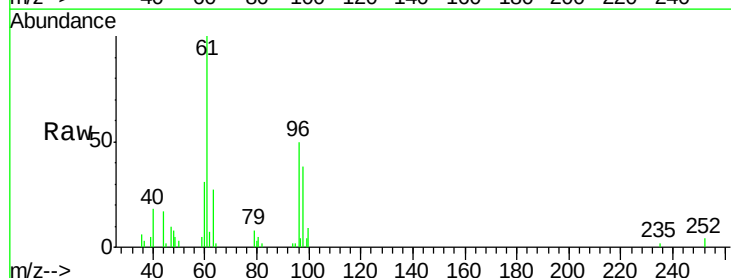
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

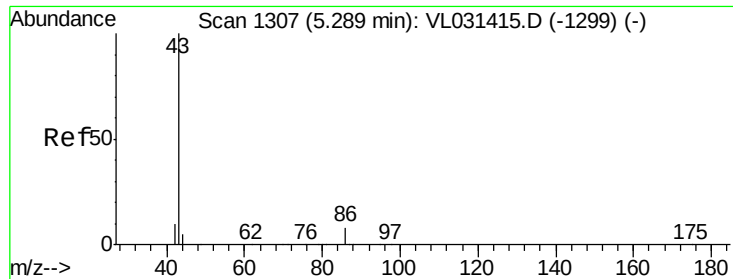
Tgt Ion: 41 Resp: 10959
 Ion Ratio Lower Upper
 41 100
 76 29.0 24.2 36.2
 39 106.3 69.8 104.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.12 ppbv
 RT: 5.10 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Tgt Ion: 96 Resp: 7424
 Ion Ratio Lower Upper
 96 100
 61 189.6 135.0 202.4
 98 76.3 52.2 78.2





#23

Vinyl Acetate

Concen: 0.03 ppbv

RT: 5.28 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

Tgt Ion: 43 Resp: 5299

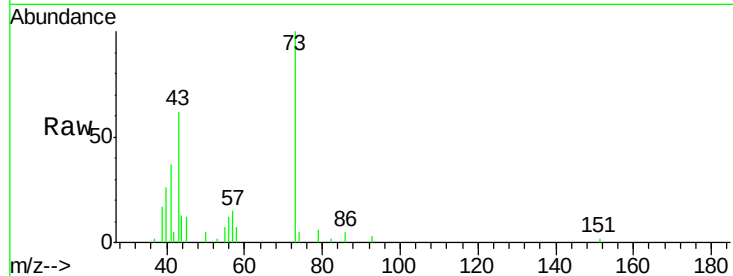
Ion Ratio Lower Upper

43 100

86 10.7 5.6 8.4#

42 6.0 8.6 12.8#

44 0.0 4.2 6.4#

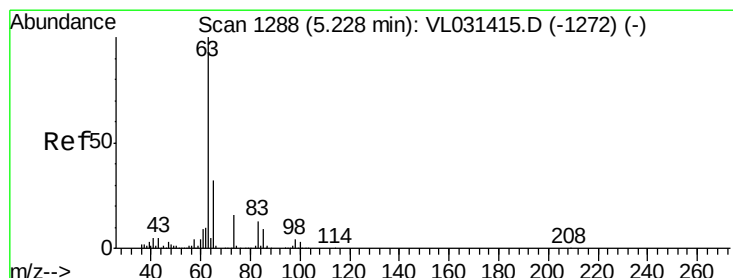
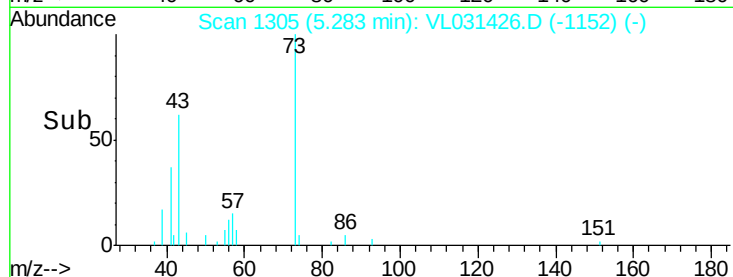
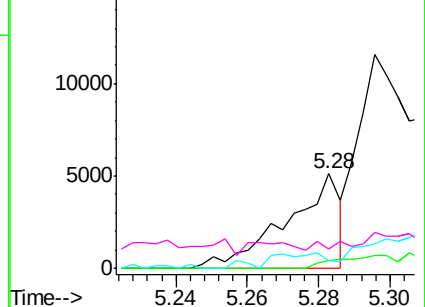


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.14 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

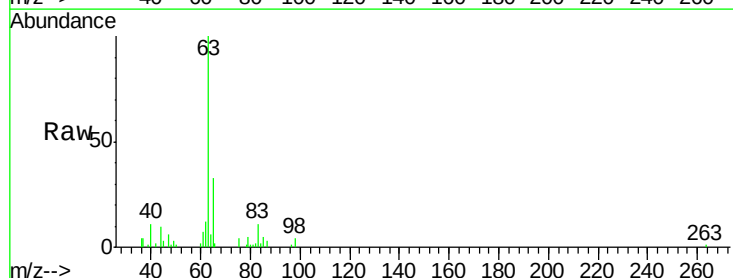
Tgt Ion: 63 Resp: 22597

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

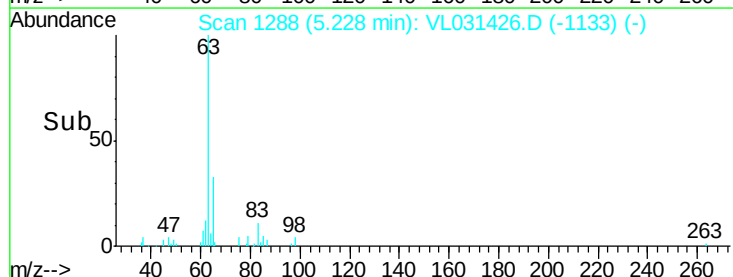
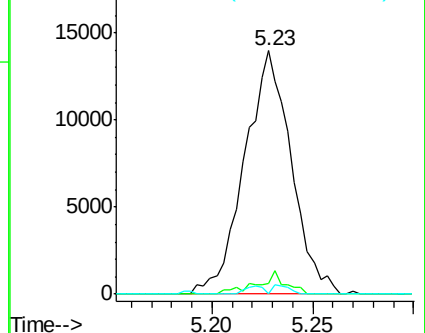
100 0.0 1.3 3.9#

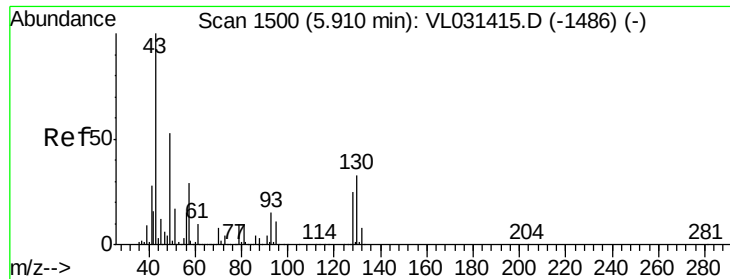


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

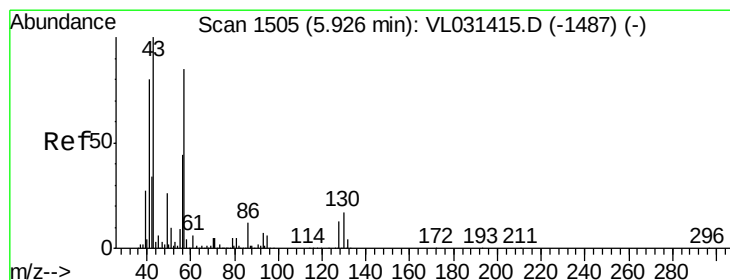
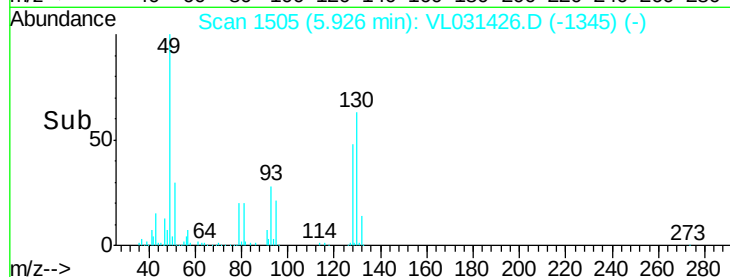
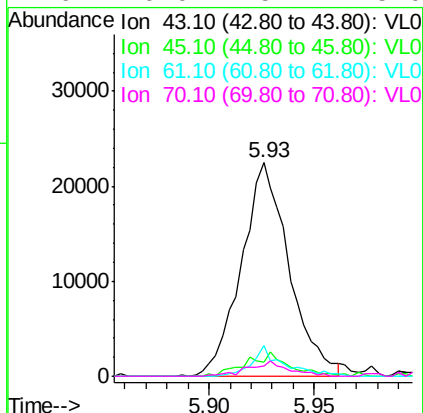
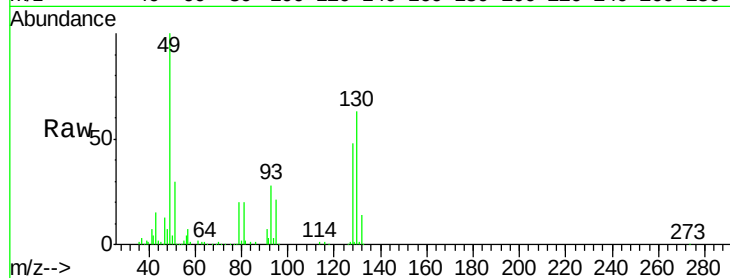




#25
Ethyl Acetate
Concen: 0.13 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

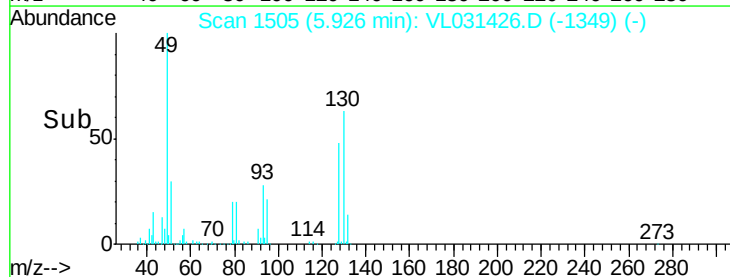
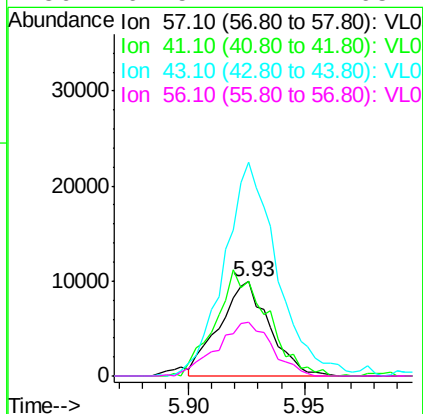
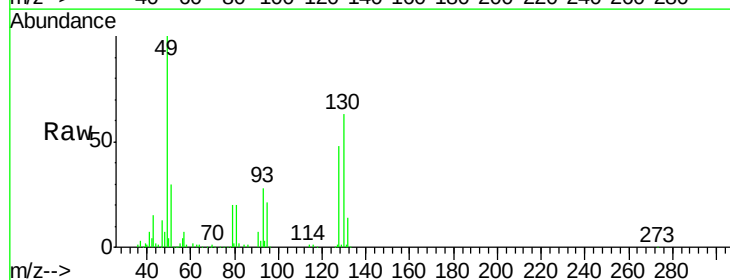
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

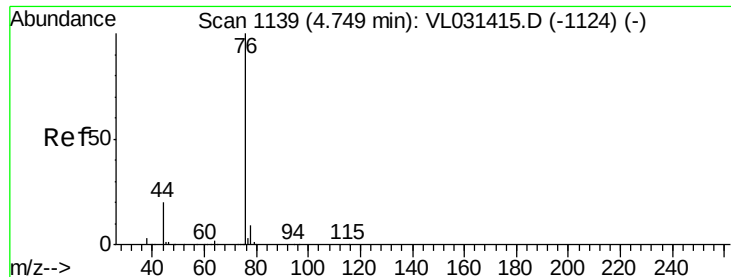
Tgt Ion:	43	Resp:	35366
Ion	Ratio	Lower	Upper
43	100		
45	10.6	7.8	11.6
61	9.4	7.0	10.6
70	6.0	5.4	8.0



#26
Hexane
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion:	57	Resp:	14941
Ion	Ratio	Lower	Upper
57	100		
41	116.2	77.1	115.7#
43	245.2	180.7	271.1
56	62.5	42.2	63.2





#27

Carbon Disulfide

Concen: 0.11 ppbv

RT: 4.75 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

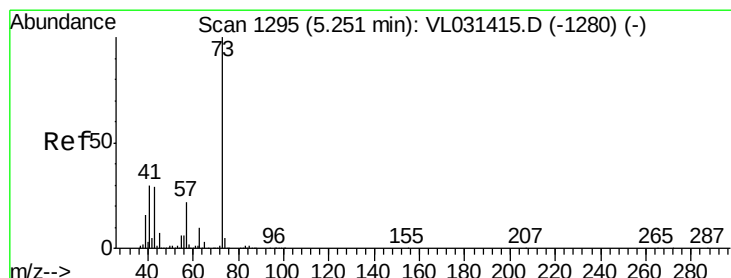
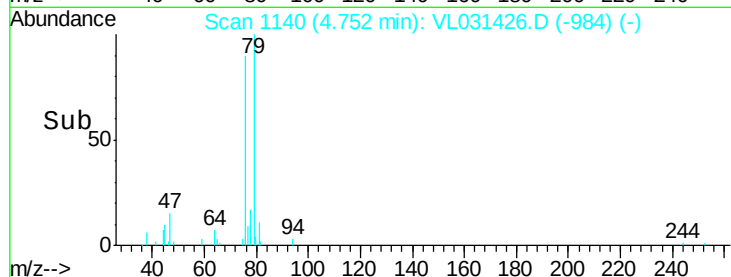
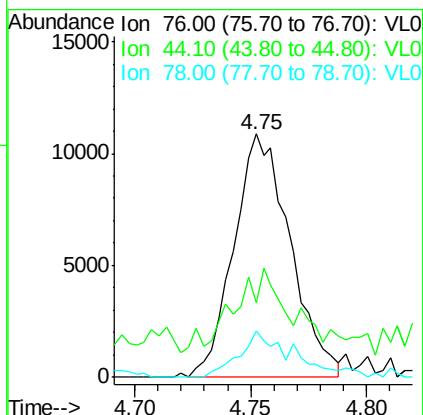
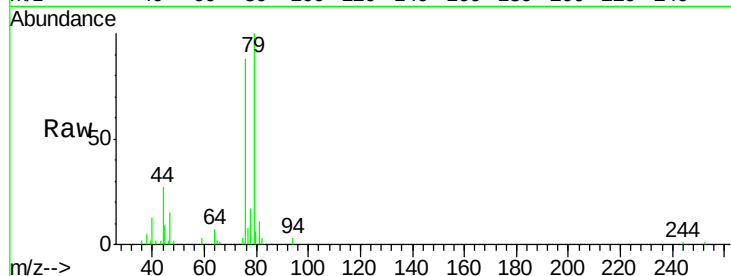
Tgt Ion: 76 Resp: 18369

Ion Ratio Lower Upper

76 100

44 39.0 16.7 25.1#

78 19.3 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.11 ppbv

RT: 5.27 min Scan# 1302

Delta R.T. 0.02 min

Lab File: VL031426.D

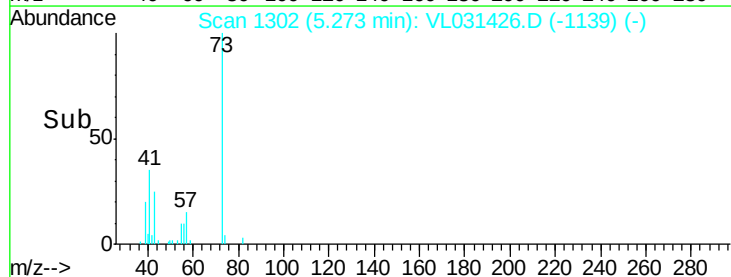
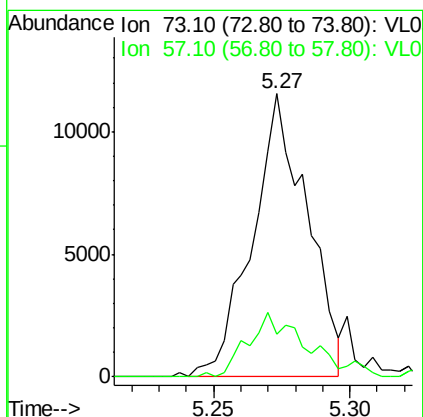
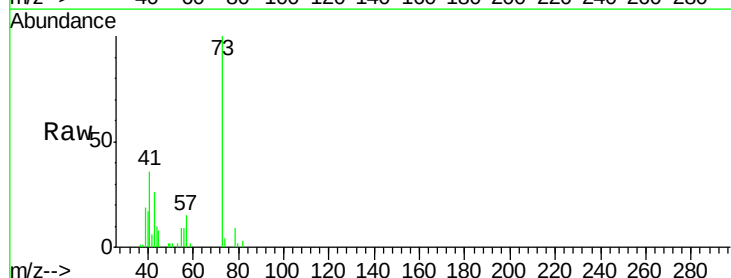
Acq: 22 Jan 2018 21:51

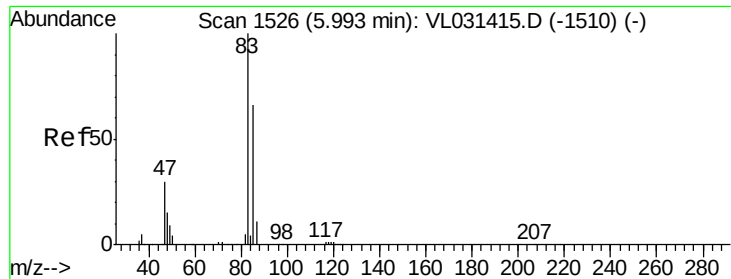
Tgt Ion: 73 Resp: 16143

Ion Ratio Lower Upper

73 100

57 25.4 17.5 26.3

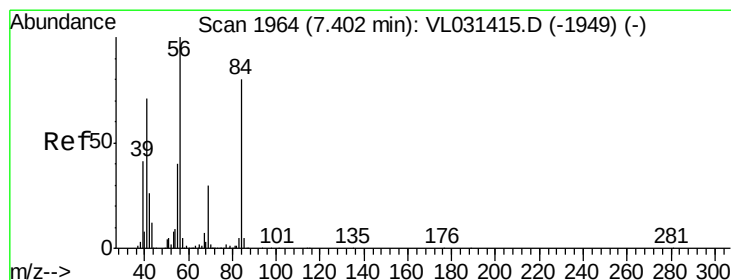
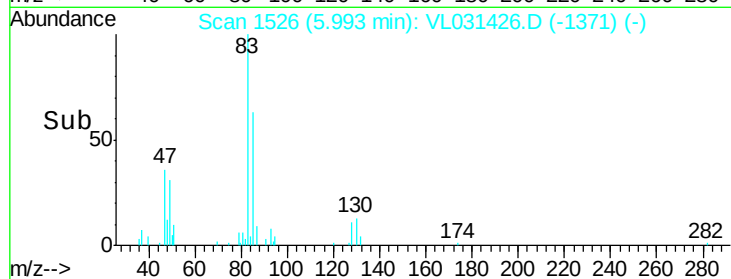
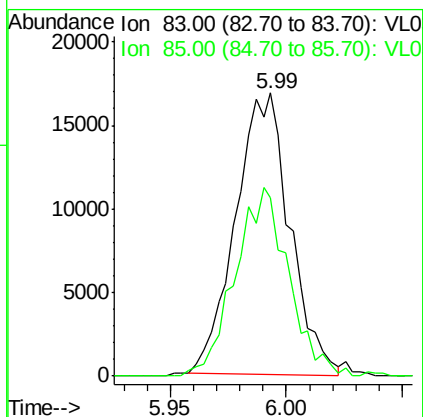
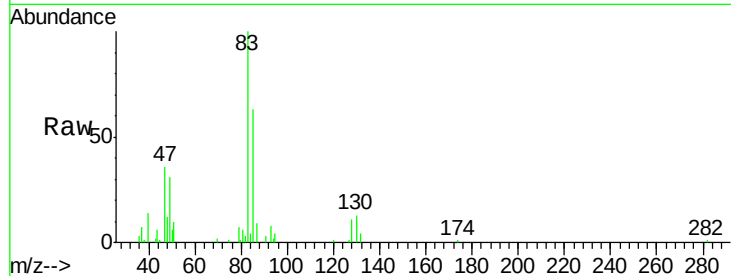




#29
Chloroform
Concen: 0.13 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

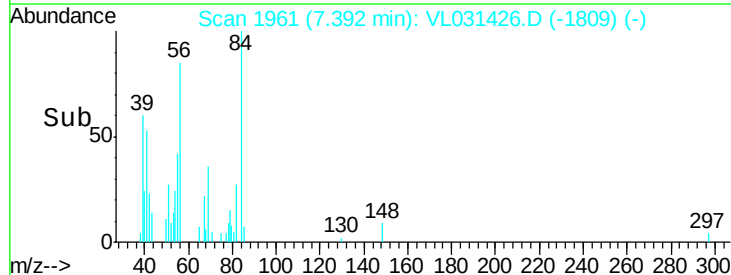
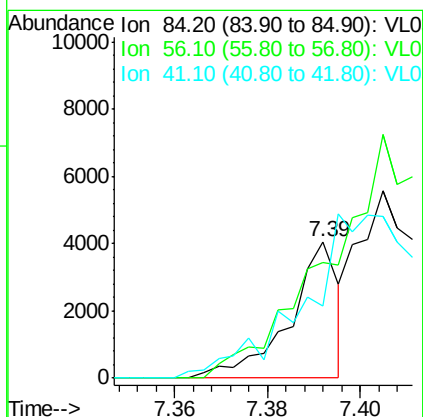
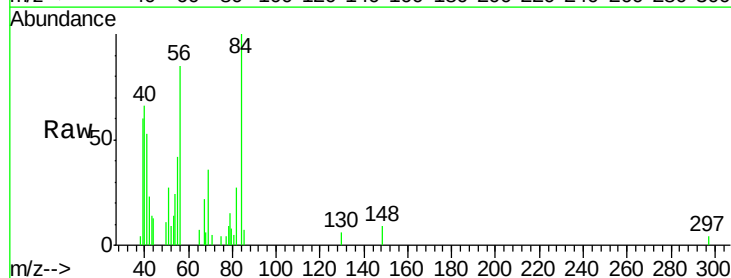
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

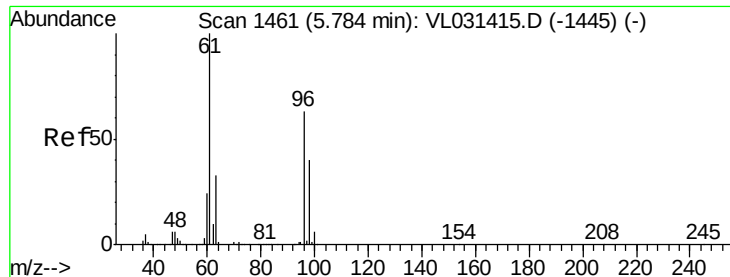
Tgt Ion: 83 Resp: 27376
Ion Ratio Lower Upper
83 100
85 62.5 51.3 76.9



#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.39 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 84 Resp: 2932
Ion Ratio Lower Upper
84 100
56 0.0 109.0 163.4#
41 348.0 73.3 109.9#





#31

cis-1,2-Dichloroethene

Concen: 0.12 ppbv

RT: 5.78 min Scan# 1460

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

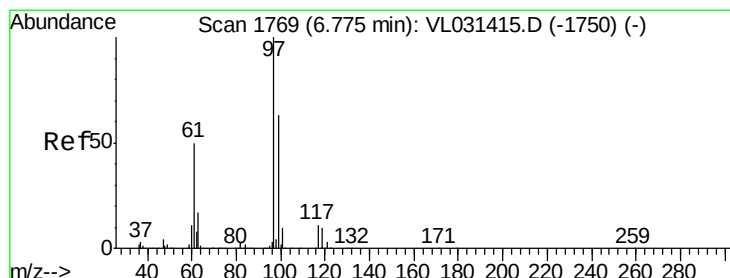
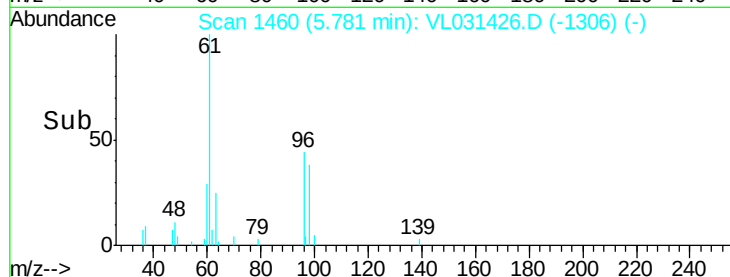
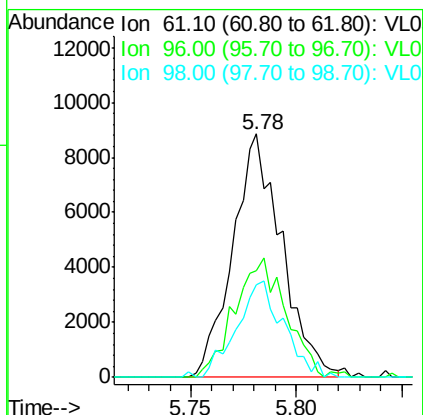
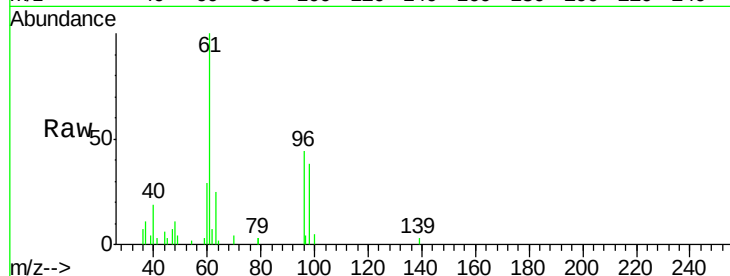
Tgt Ion: 61 Resp: 14275

Ion Ratio Lower Upper

61 100

96 40.7 51.3 76.9#

98 35.5 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: VL031426.D

Acq: 22 Jan 2018 21:51

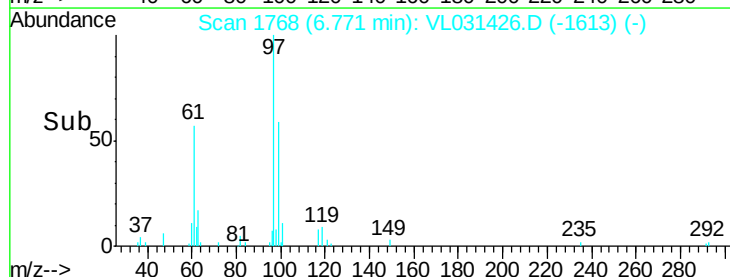
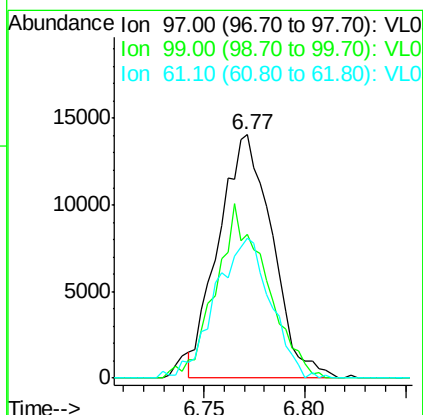
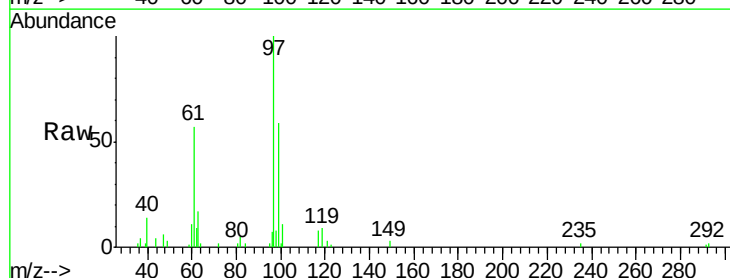
Tgt Ion: 97 Resp: 26116

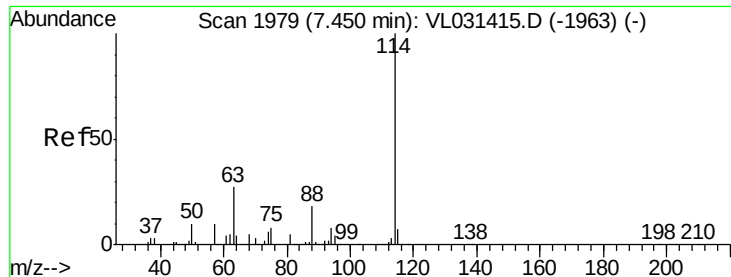
Ion Ratio Lower Upper

97 100

99 67.4 51.9 77.9

61 59.2 40.6 61.0

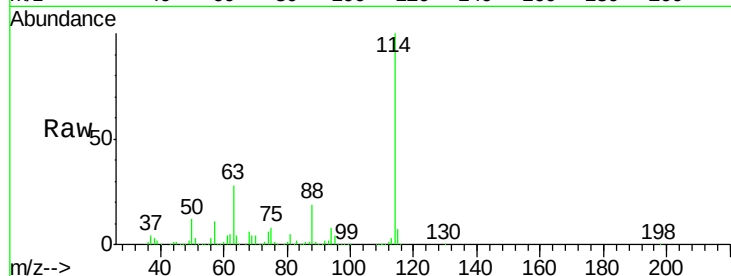




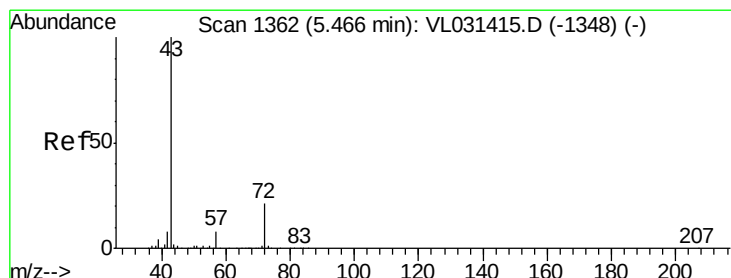
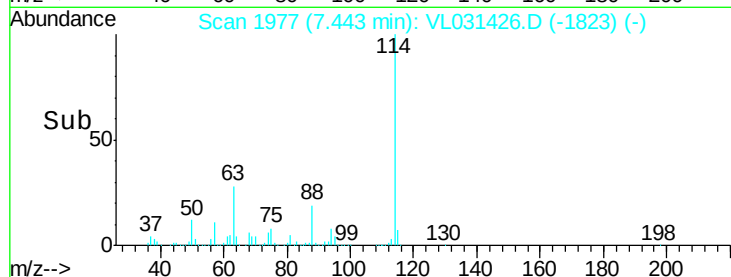
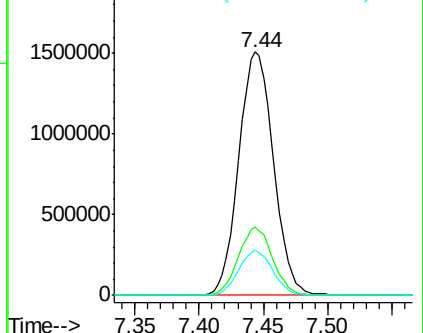
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Tgt Ion:114 Resp: 2832875
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.5 33.7
 88 18.3 14.6 22.0

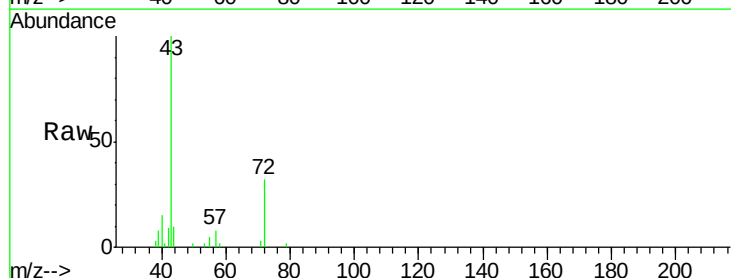


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

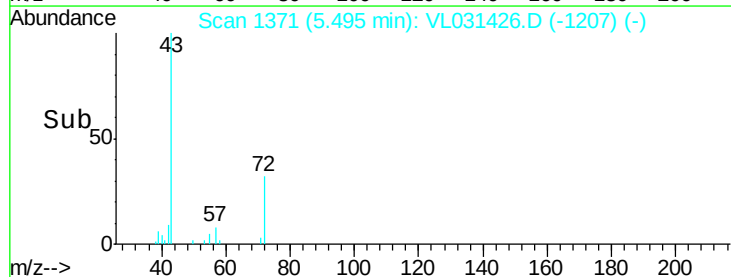
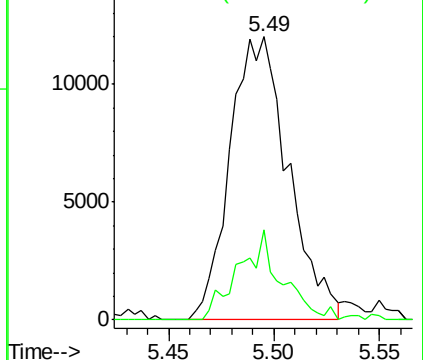


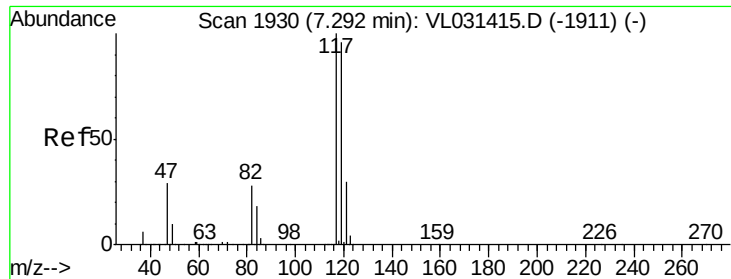
#34
 2-Butanone
 Concen: 0.13 ppbv
 RT: 5.49 min Scan# 1371
 Delta R.T. 0.03 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Tgt Ion: 43 Resp: 23140
 Ion Ratio Lower Upper
 43 100
 72 23.8 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: 0.07 ppbv

RT: 7.29 min Scan# 1928

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

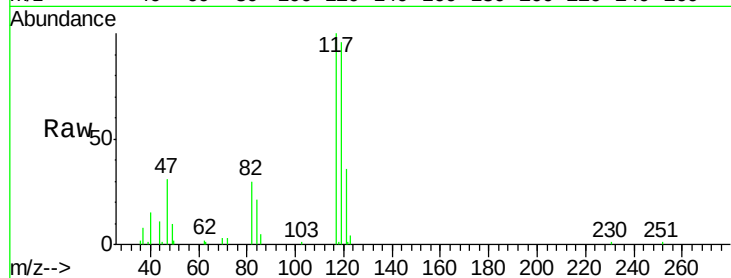
Tgt Ion: 117 Resp: 15473

Ion Ratio Lower Upper

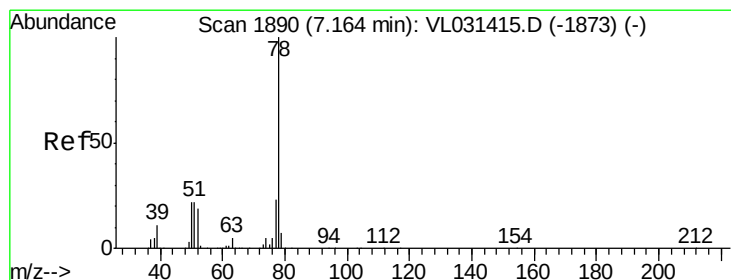
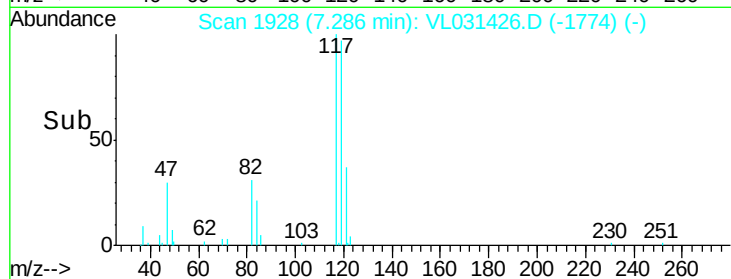
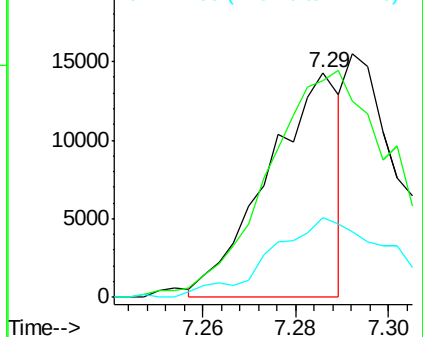
117 100

119 96.3 74.2 111.4

121 34.5 24.2 36.4



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: 0.11 ppbv

RT: 7.16 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

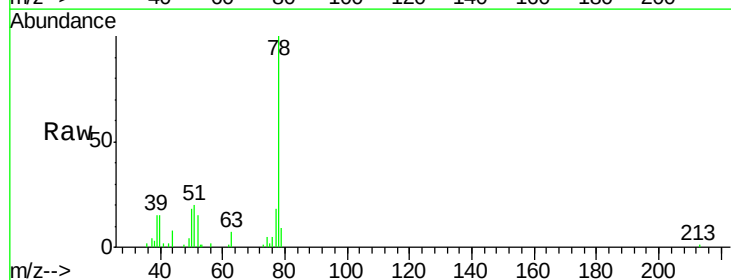
Tgt Ion: 78 Resp: 28095

Ion Ratio Lower Upper

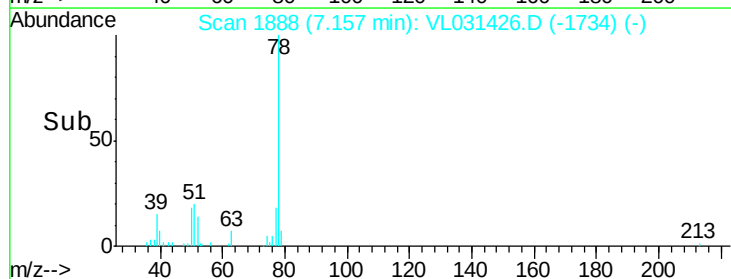
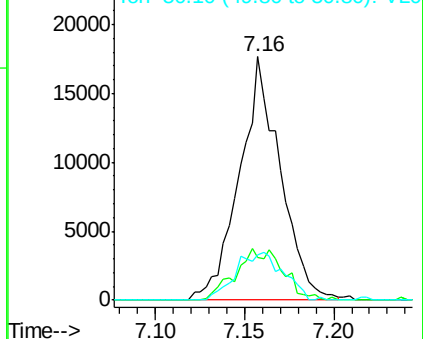
78 100

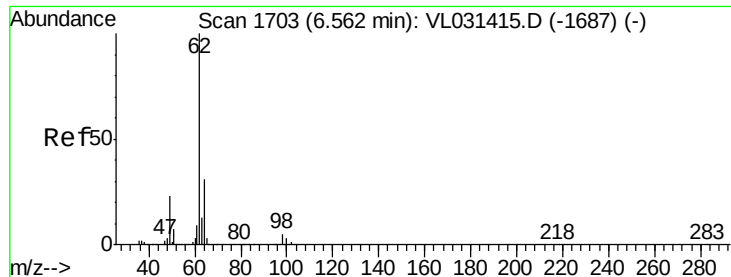
77 17.6 18.7 28.1#

50 18.4 18.4 27.6#



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

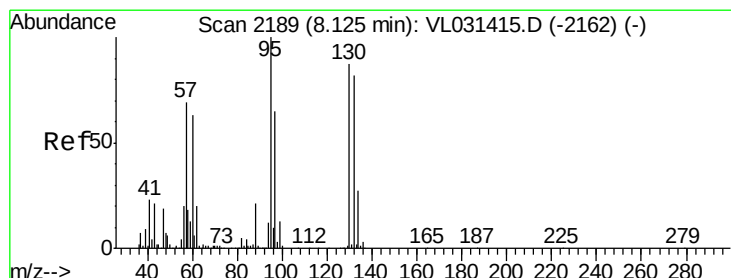
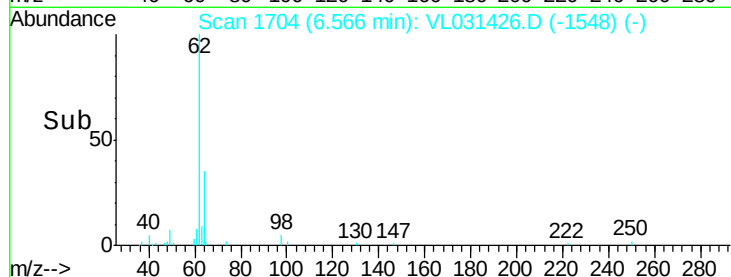
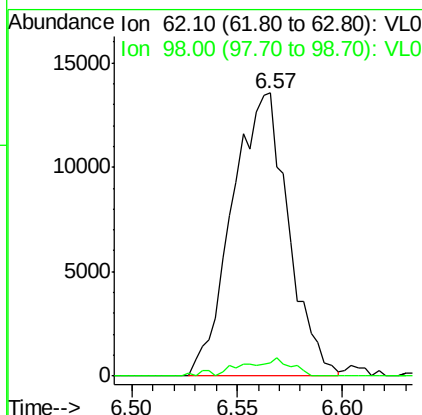
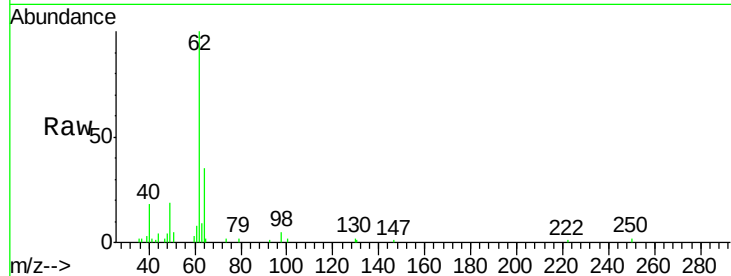




#37
1,2-Dichloroethane
Concen: 0.13 ppbv
RT: 6.57 min Scan# 1704
Delta R.T. 0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

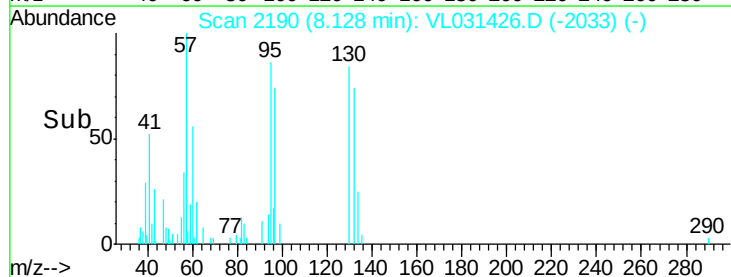
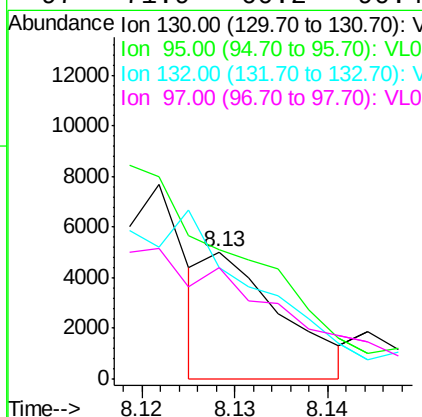
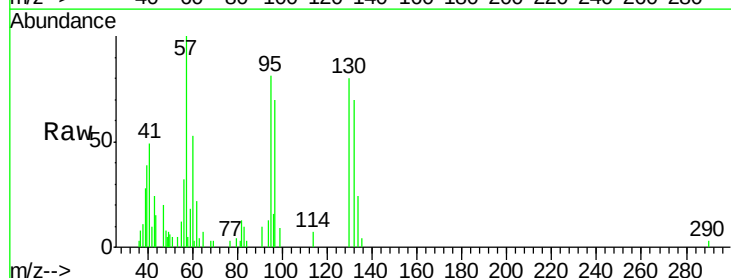
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

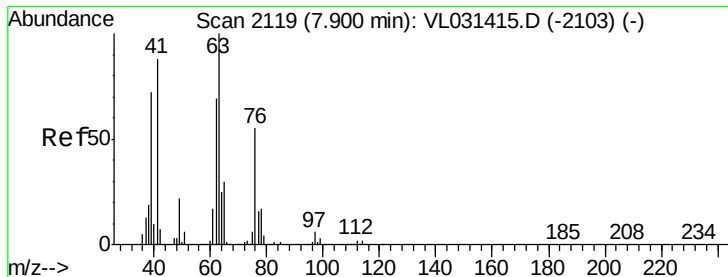
Tgt Ion: 62 Resp: 25039
Ion Ratio Lower Upper
62 100
98 5.6 4.1 6.1



#38
Trichloroethene
Concen: 0.03 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 130 Resp: 2844
Ion Ratio Lower Upper
130 100
95 93.9 92.9 139.3
132 80.0 74.9 112.3
97 71.9 60.2 90.4

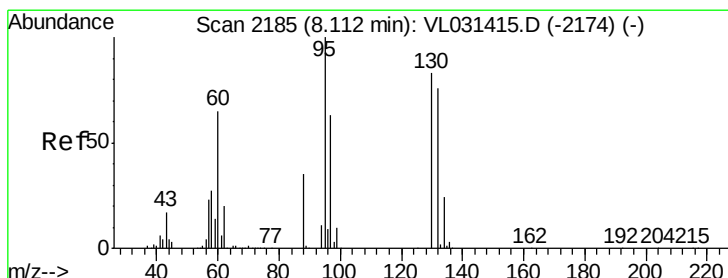
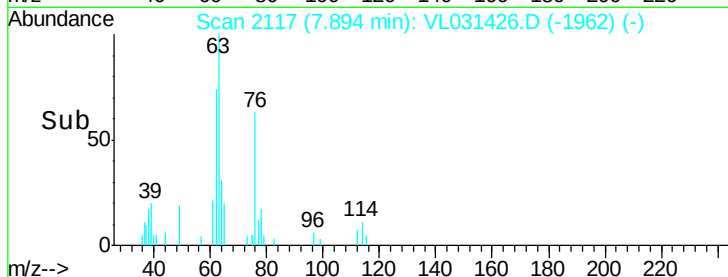
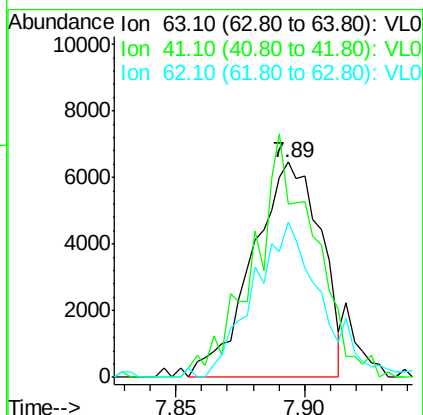
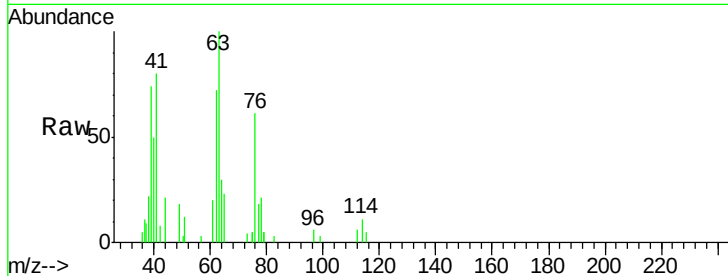




#39
 1,2-Dichloropropane
 Concen: 0.13 ppbv
 RT: 7.89 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

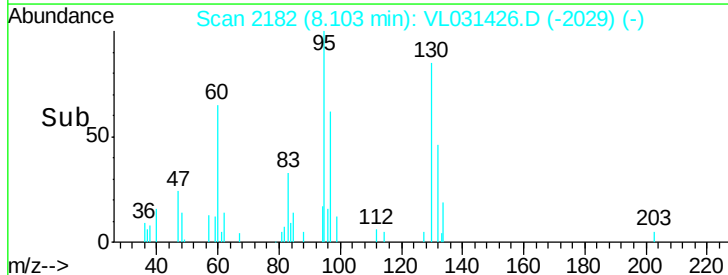
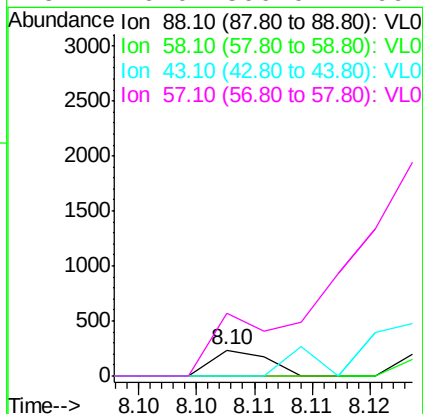
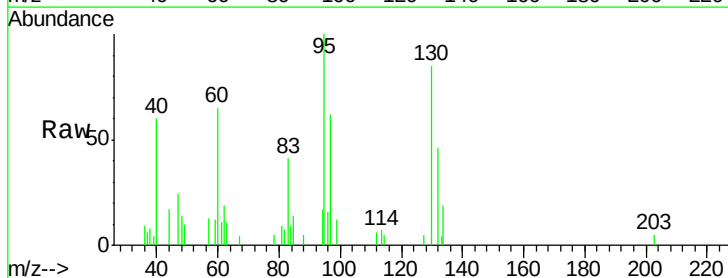
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

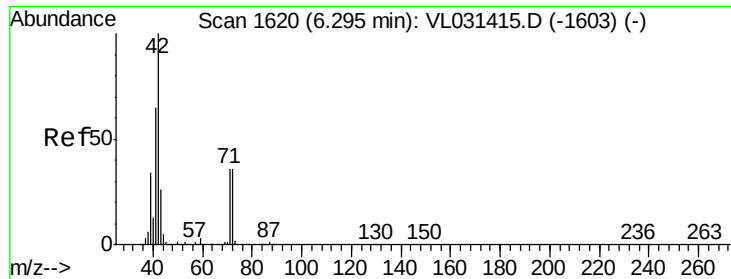
Tgt Ion: 63 Resp: 11888
 Ion Ratio Lower Upper
 63 100
 41 75.8 67.6 101.4
 62 67.5 51.8 77.6



#40
 1,4-Dioxane
 Concen: 0.00 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Tgt Ion: 88 Resp: 79
 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#

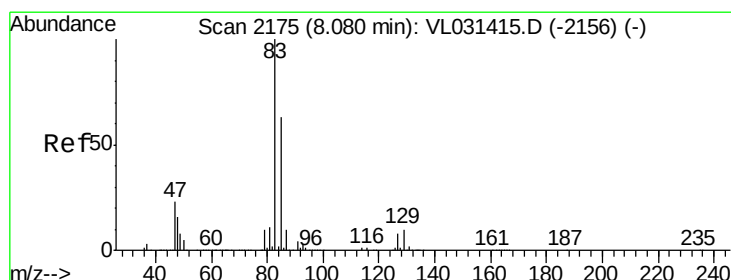
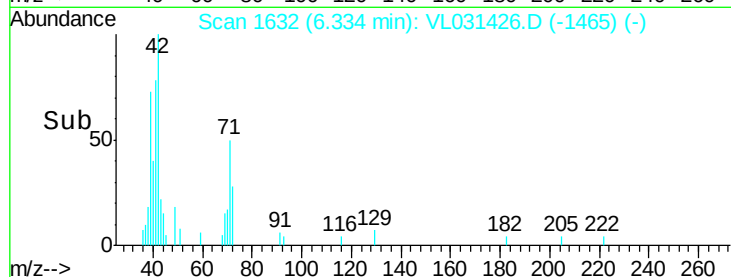
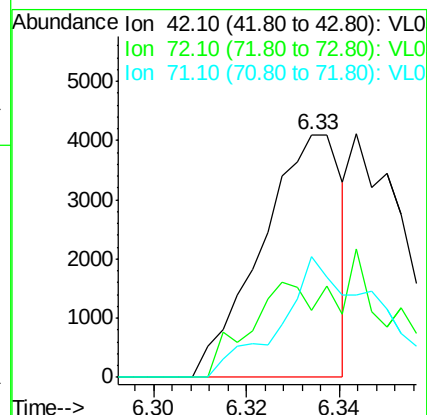
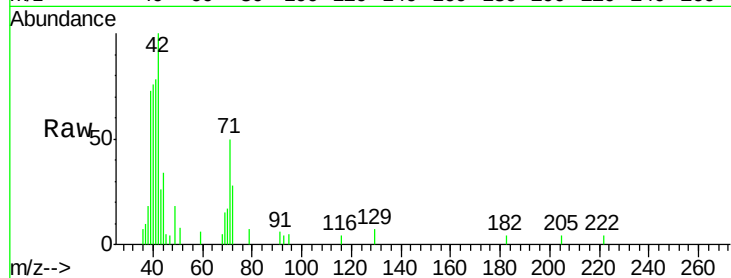




#41
Tetrahydrofuran
Concen: 0.05 ppbv
RT: 6.33 min Scan# 1632
Delta R.T. 0.04 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

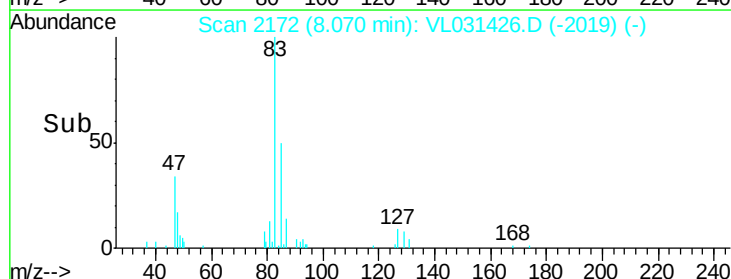
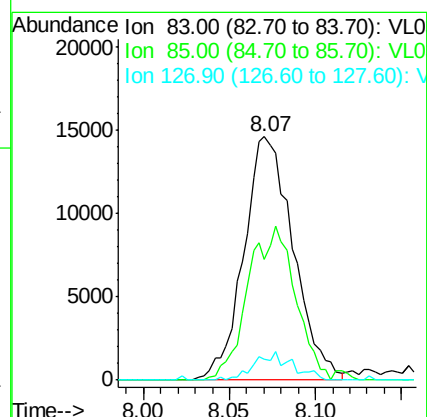
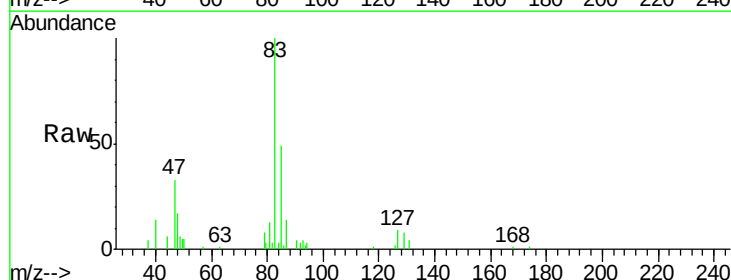
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

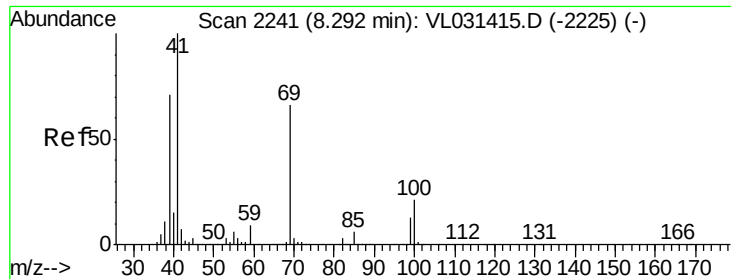
Tgt Ion: 42 Resp: 4930
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 63.2 29.2 43.8#



#42
Bromodichloromethane
Concen: 0.12 ppbv
RT: 8.07 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 83 Resp: 29204
Ion Ratio Lower Upper
83 100
85 51.4 52.1 78.1#
127 8.5 6.6 10.0





#43

Methyl Methacrylate

Concen: 0.08 ppbv

RT: 8.30 min Scan# 2244

Delta R.T. 0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

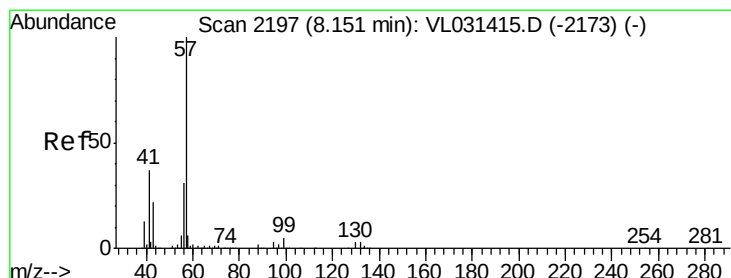
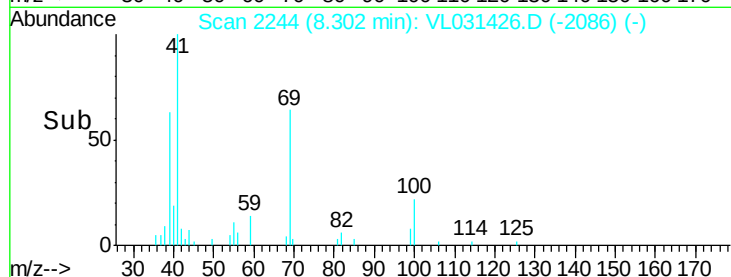
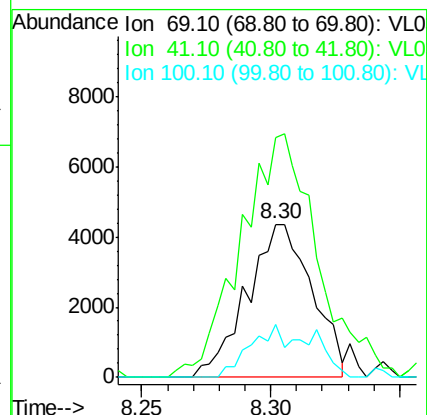
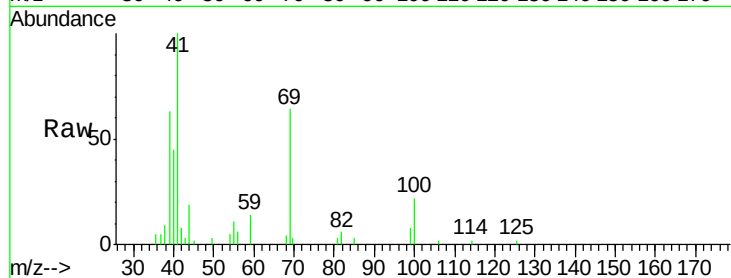
Tgt Ion: 69 Resp: 7690

Ion Ratio Lower Upper

69 100

41 190.7 127.0 190.6#

100 33.0 24.6 37.0



#44

2,2,4-Trimethylpentane

Concen: 0.09 ppbv

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

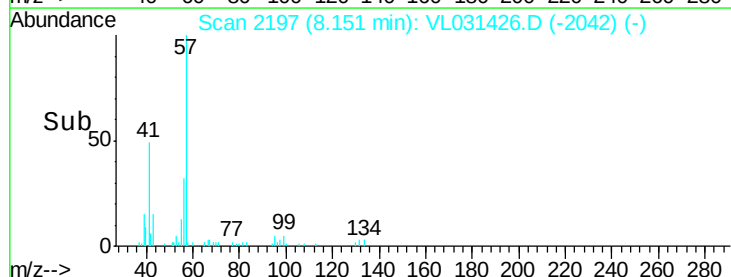
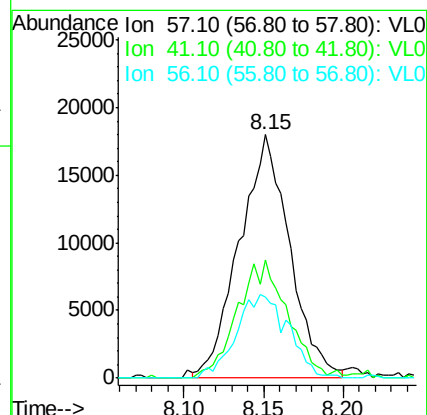
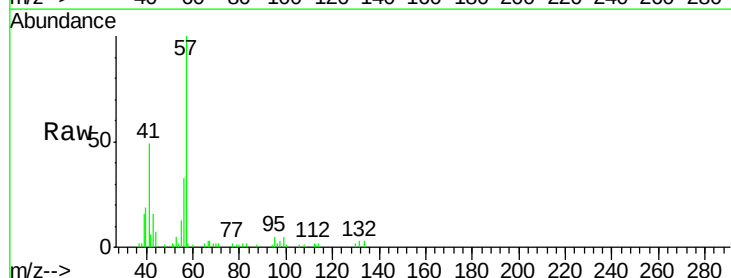
Tgt Ion: 57 Resp: 38784

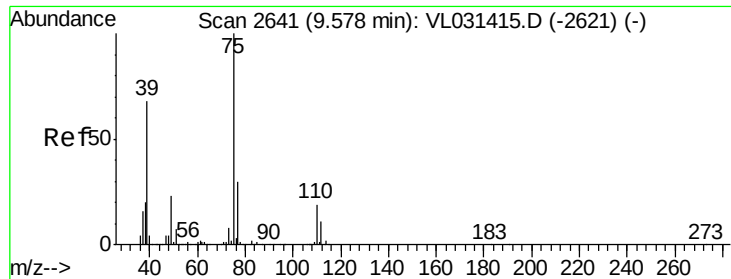
Ion Ratio Lower Upper

57 100

41 49.6 28.8 43.2#

56 35.6 24.6 37.0

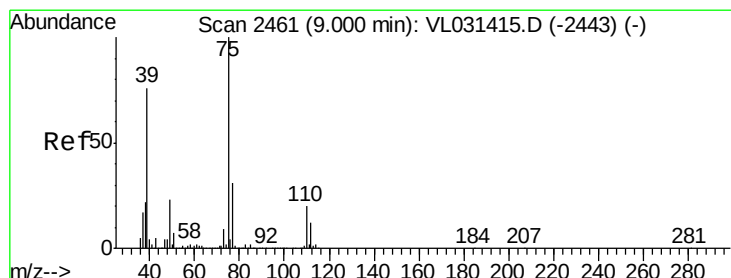
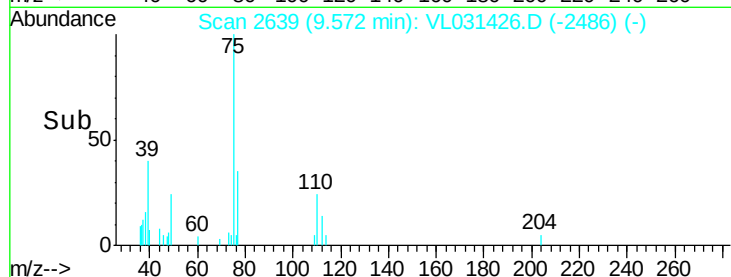
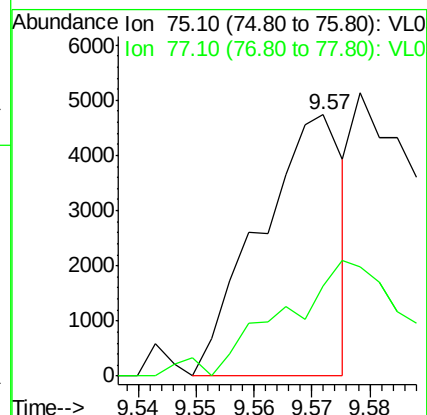
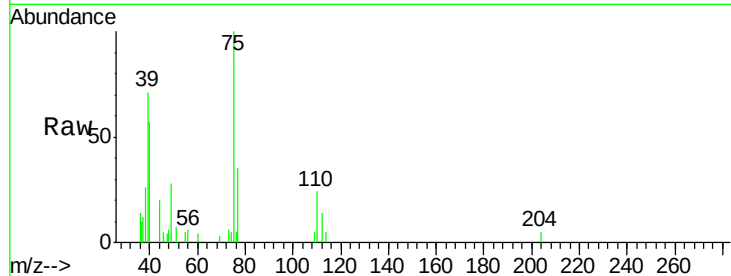




#45
 t-1,3-Dichloropropene
 Concen: 0.04 ppbv
 RT: 9.57 min Scan# 2639
 Delta R.T. -0.01 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

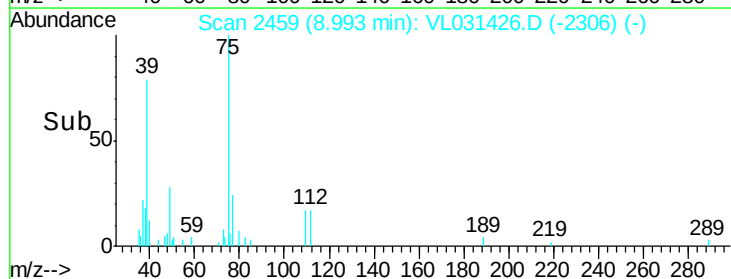
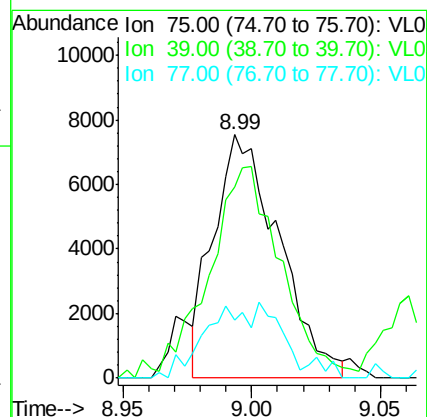
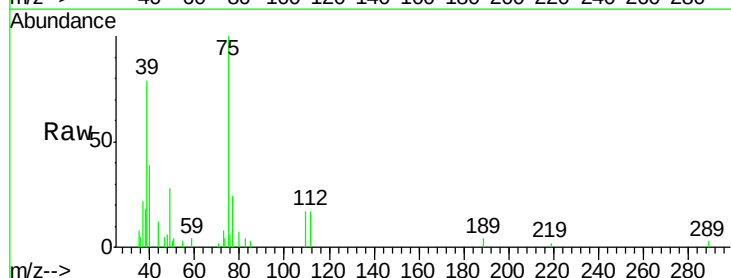
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

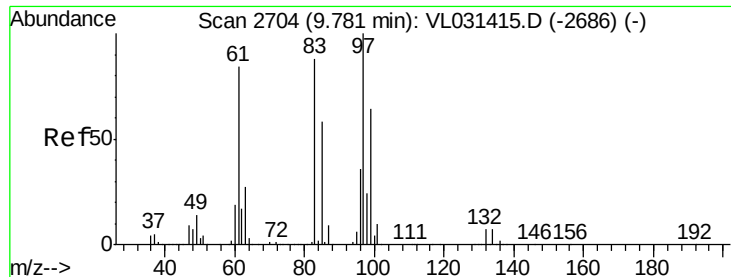
Tgt Ion: 75 Resp: 4724
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 0.08 ppbv
 RT: 8.99 min Scan# 2459
 Delta R.T. -0.01 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Tgt Ion: 75 Resp: 13302
 Ion Ratio Lower Upper
 75 100
 39 80.0 59.4 89.0
 77 25.4 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 0.13 ppbv

RT: 9.78 min Scan# 2703

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

Tgt Ion: 97 Resp: 13919

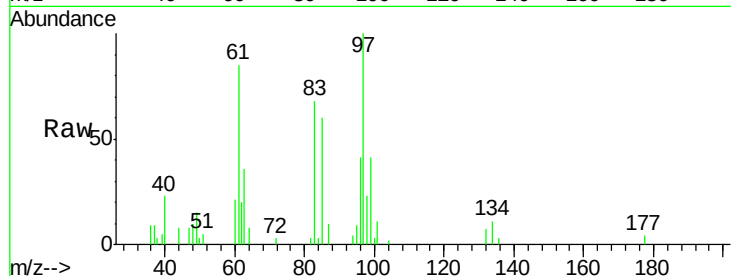
Ion Ratio Lower Upper

97 100

83 68.4 71.4 107.2#

85 60.3 46.2 69.2

99 40.6 52.2 78.2#

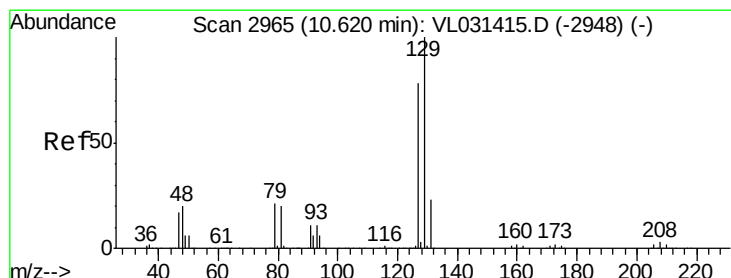
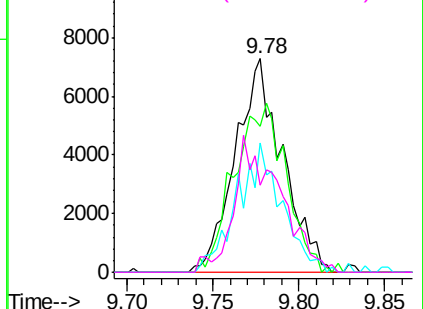
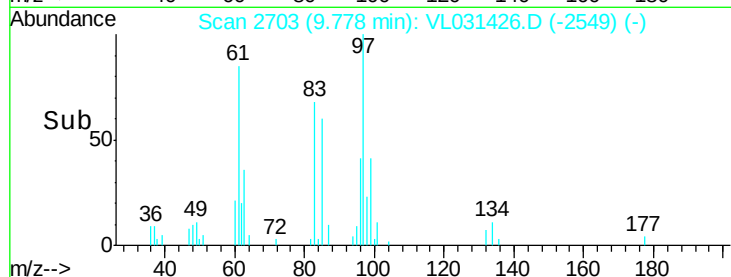


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.07 ppbv

RT: 10.62 min Scan# 2964

Delta R.T. -0.01 min

Lab File: VL031426.D

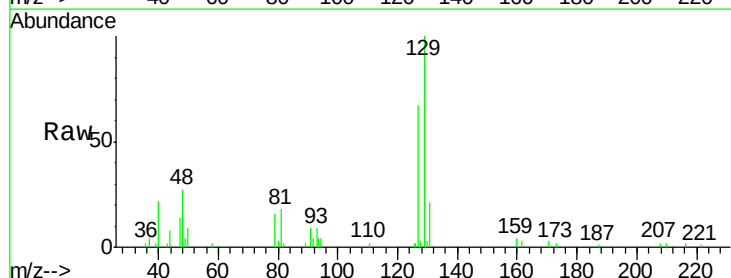
Acq: 22 Jan 2018 21:51

Tgt Ion: 129 Resp: 13412

Ion Ratio Lower Upper

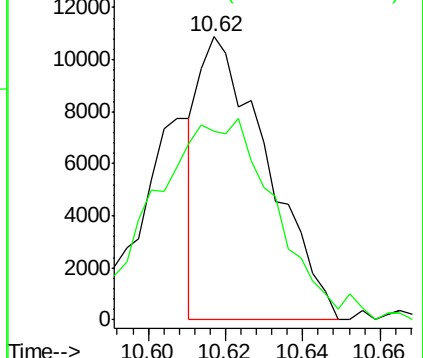
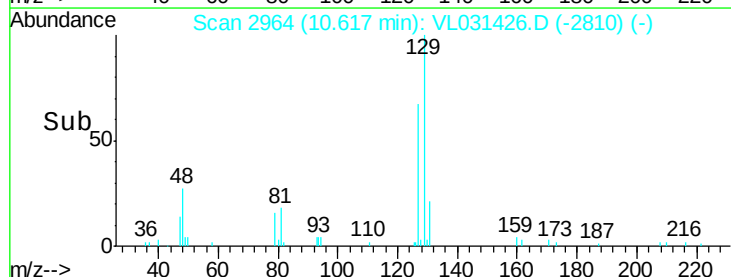
129 100

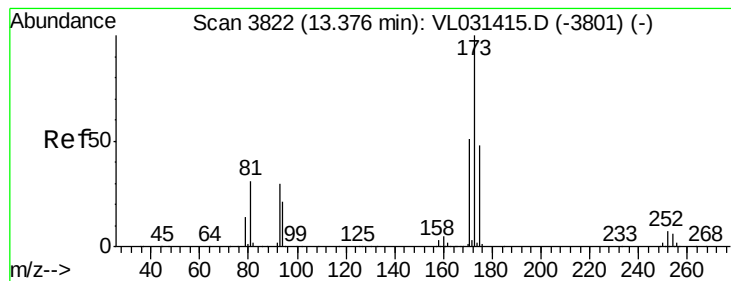
127 128.9 39.4 118.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.10 ppbv

RT: 13.38 min Scan# 3822

Delta R.T. -0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

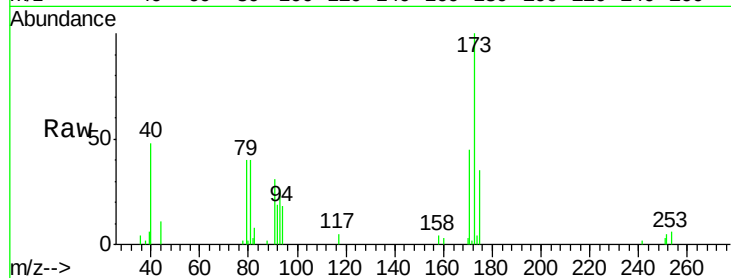
Tgt Ion:173 Resp: 14953

Ion Ratio Lower Upper

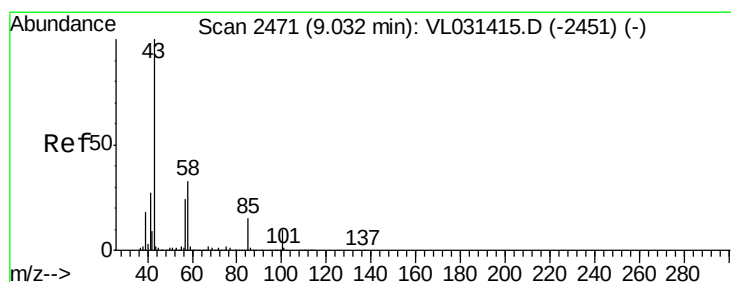
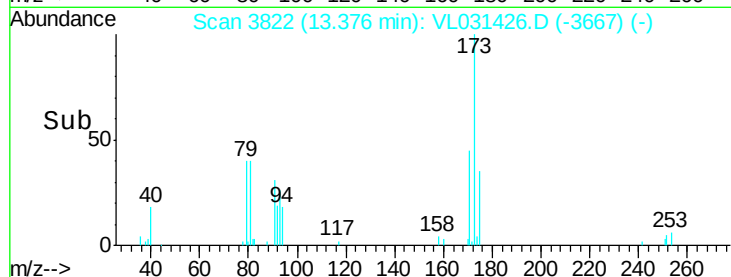
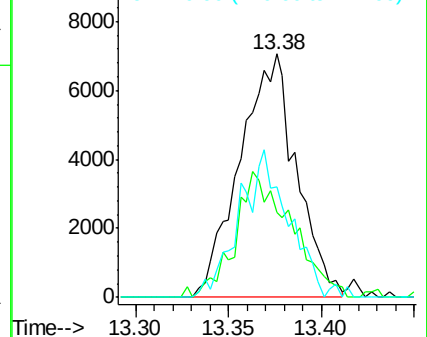
173 100

175 52.2 39.0 58.4

171 53.3 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: 0.00 ppbv

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VL031426.D

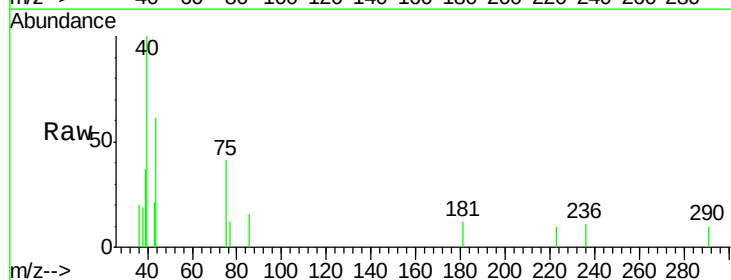
Acq: 22 Jan 2018 21:51

Tgt Ion: 43 Resp: 232

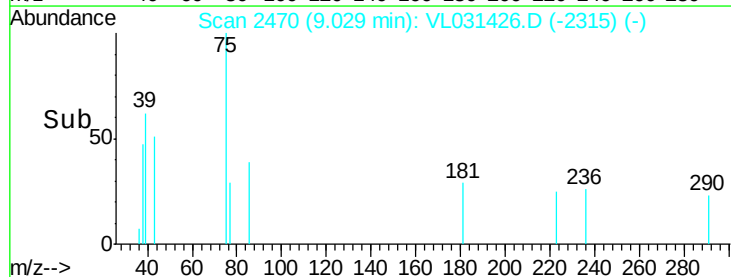
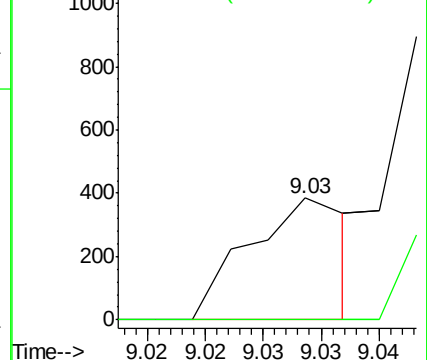
Ion Ratio Lower Upper

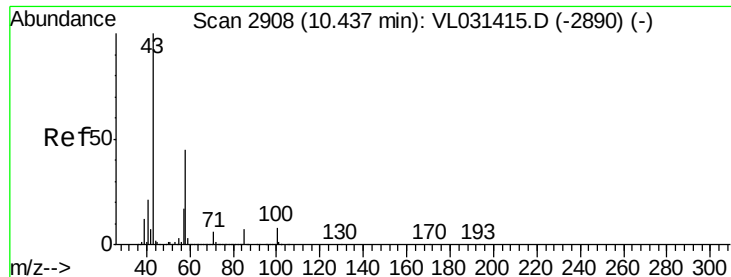
43 100

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

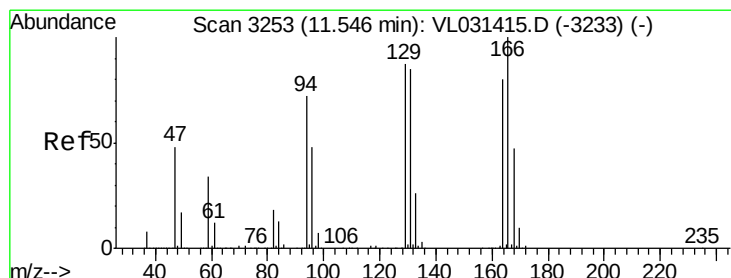
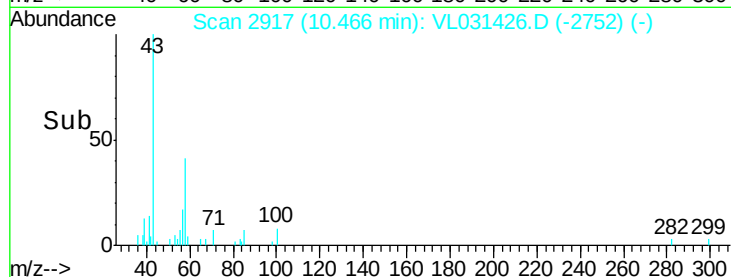
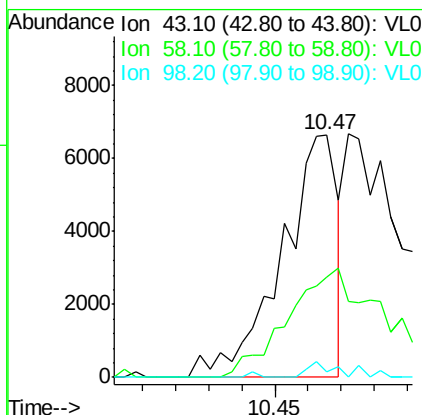
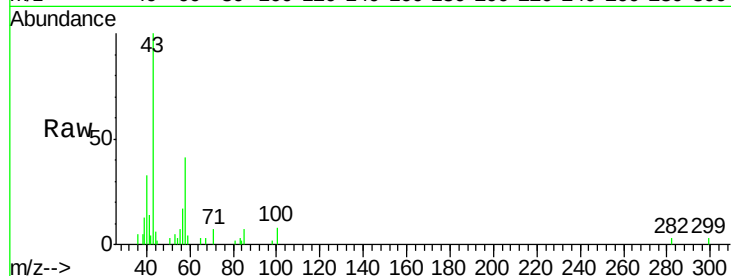




#51
2-Hexanone
Concen: 0.03 ppbv
RT: 10.47 min Scan# 2917
Delta R.T. 0.03 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

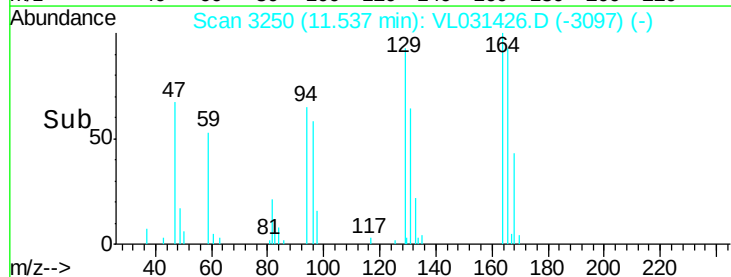
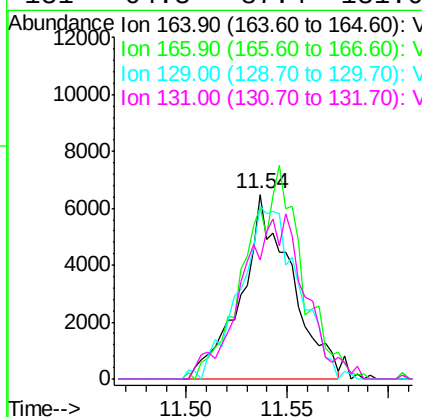
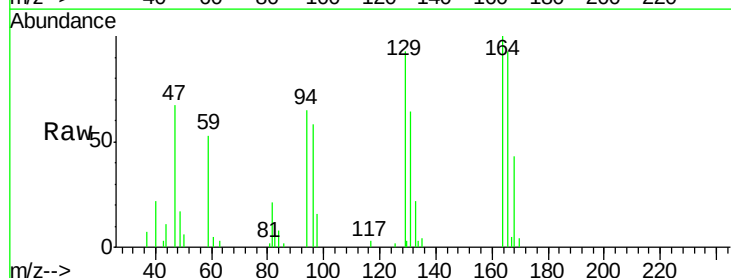
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

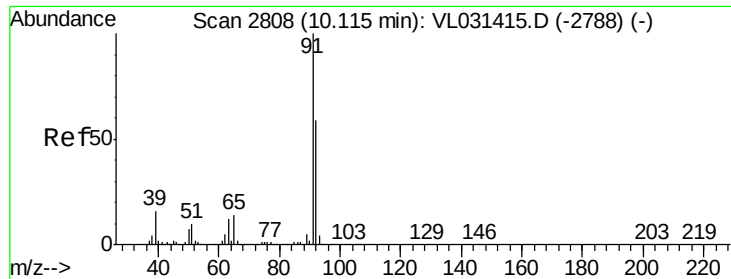
Tgt Ion: 43 Resp: 7774
Ion Ratio Lower Upper
43 100
58 0.0 36.2 54.4#
98 4.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.12 ppbv
RT: 11.54 min Scan# 3250
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 164 Resp: 11268
Ion Ratio Lower Upper
164 100
166 89.2 100.2 150.2#
129 96.6 91.4 137.0#
131 64.3 87.4 131.0#





#53

Toluene

Concen: 0.05 ppbv

RT: 10.11 min Scan# 2806

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

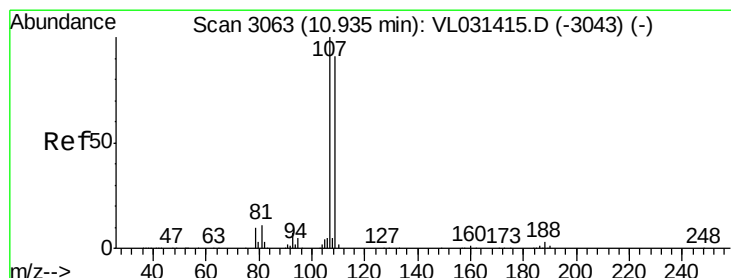
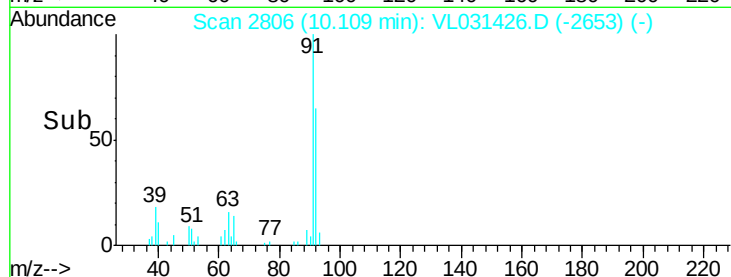
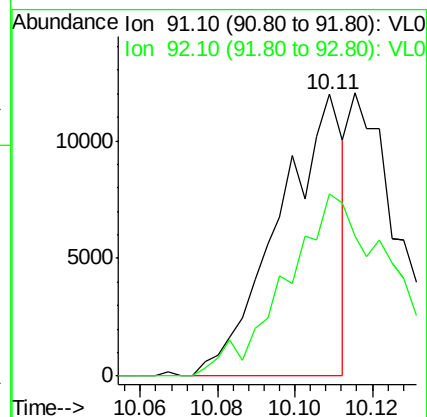
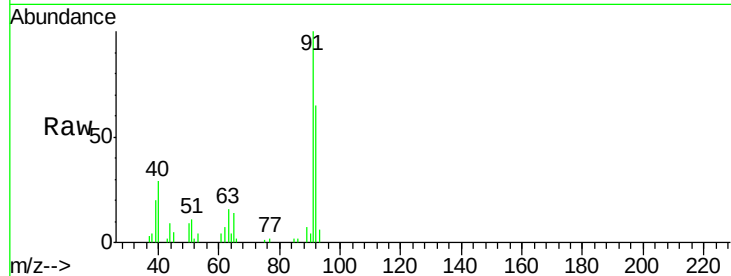
MDL-AIR-1DL

Tgt Ion: 91 Resp: 13722

Ion Ratio Lower Upper

91 100

92 107.6 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: VL031426.D

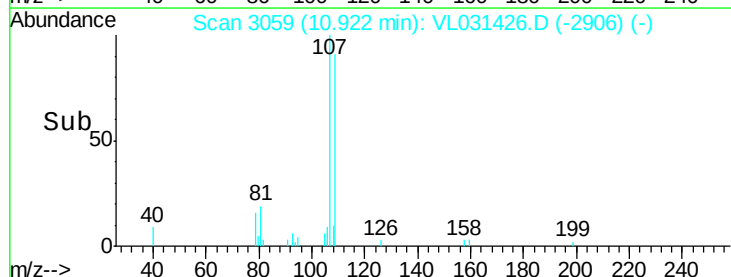
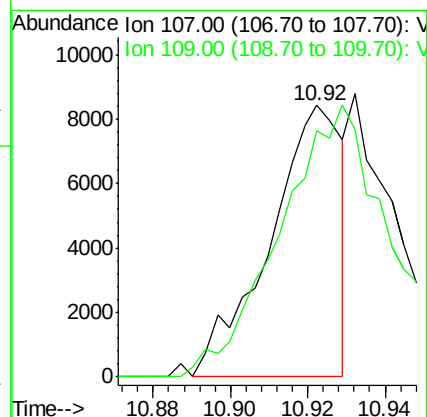
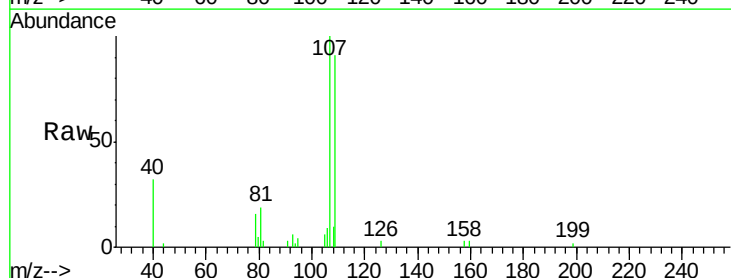
Acq: 22 Jan 2018 21:51

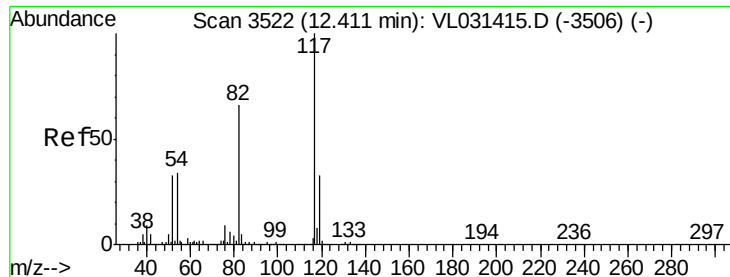
Tgt Ion: 107 Resp: 10910

Ion Ratio Lower Upper

107 100

109 87.5 75.5 113.3

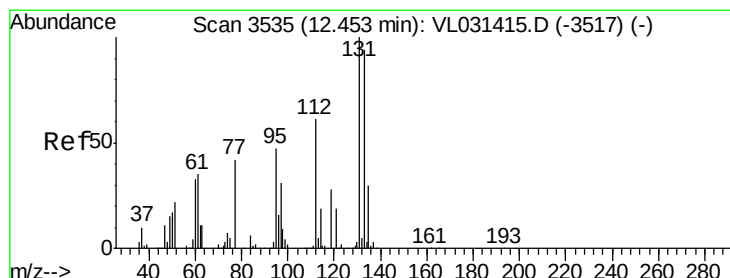
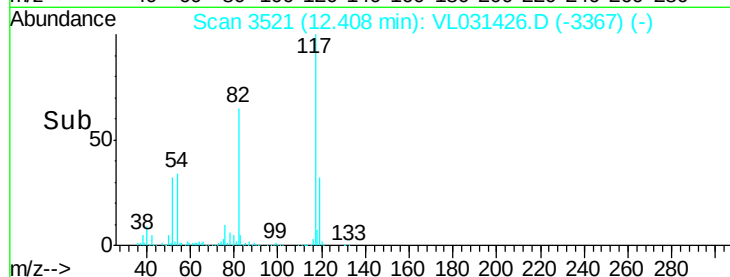
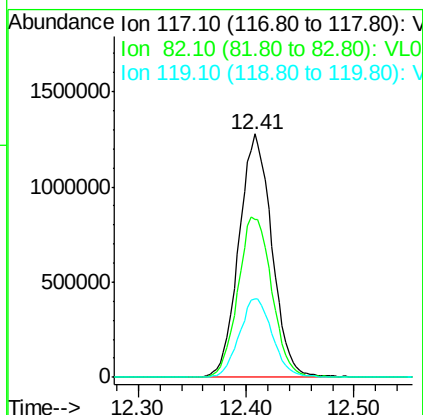
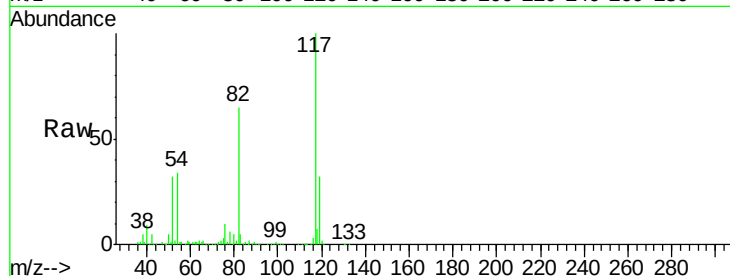




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

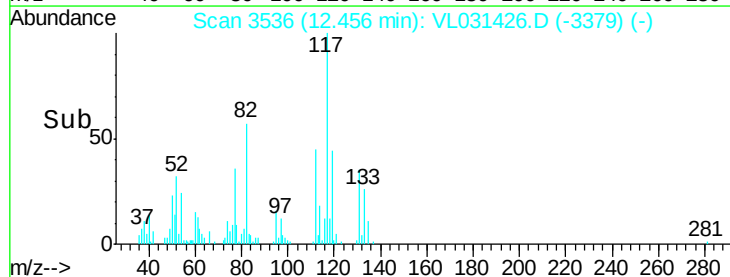
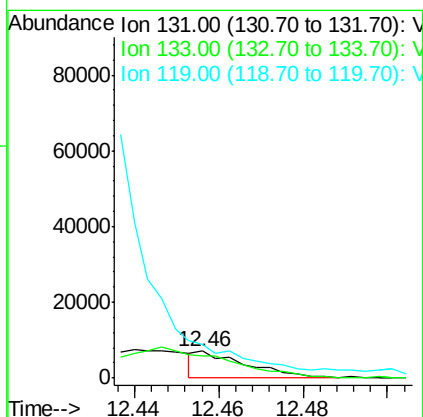
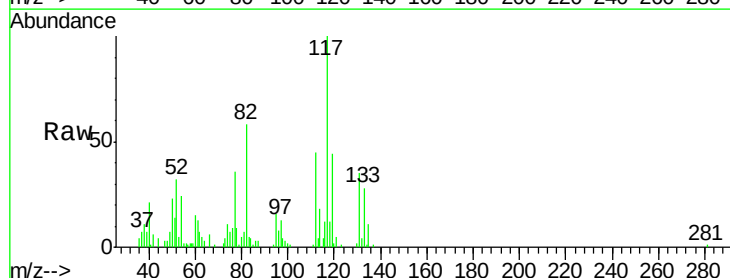
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

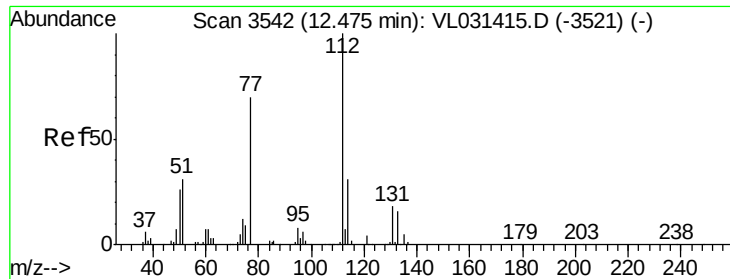
Tgt Ion:117 Resp: 2723667
Ion Ratio Lower Upper
117 100
82 68.1 51.8 77.6
119 32.8 24.2 36.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.04 ppbv
RT: 12.46 min Scan# 3536
Delta R.T. 0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion:131 Resp: 5409
Ion Ratio Lower Upper
131 100
133 0.0 76.9 115.3#
119 0.0 47.7 71.5#

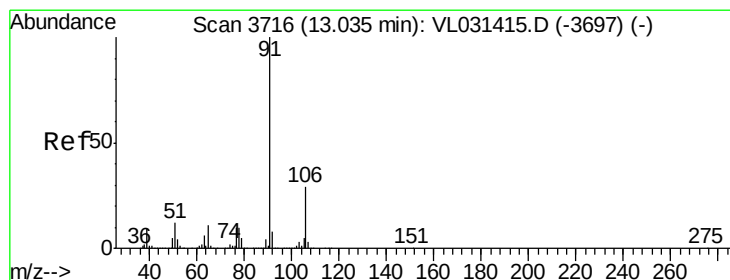
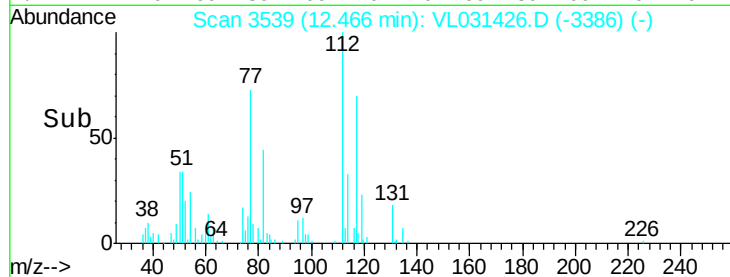
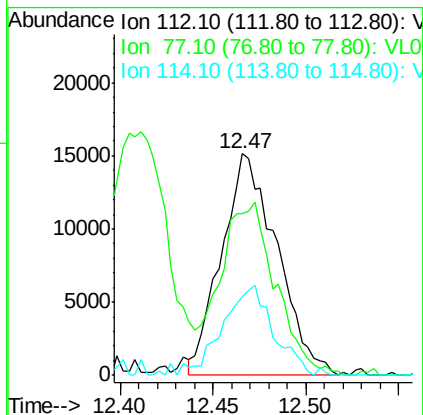
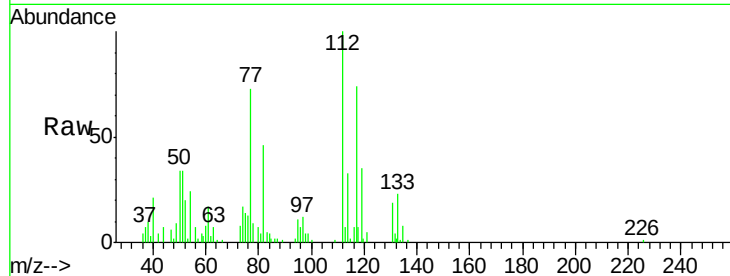




#57
Chlorobenzene
Concen: 0.13 ppbv
RT: 12.47 min Scan# 3539
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

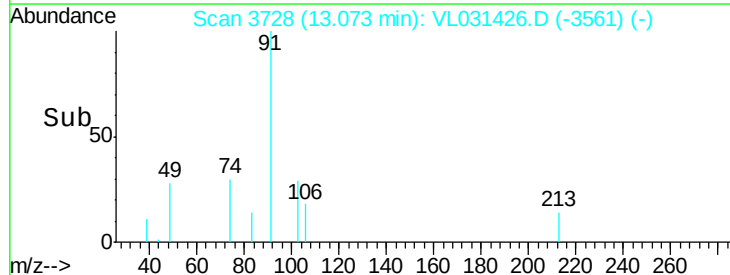
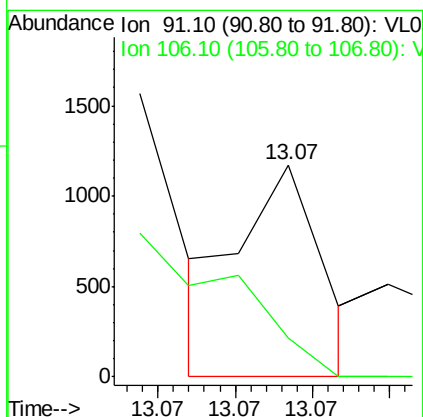
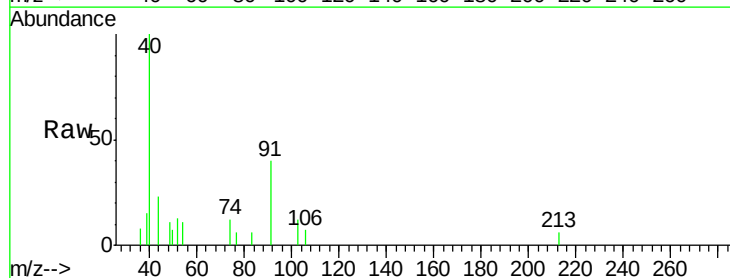
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

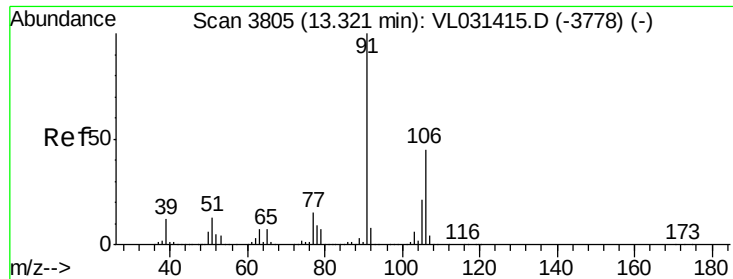
Tgt Ion: 112 Resp: 31573
Ion Ratio Lower Upper
112 100
77 71.1 56.0 84.0
114 35.4 29.1 35.5



#58
Ethyl Benzene
Concen: 0.00 ppbv
RT: 13.07 min Scan# 3728
Delta R.T. 0.04 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 91 Resp: 433
Ion Ratio Lower Upper
91 100
106 27.0 23.8 35.6

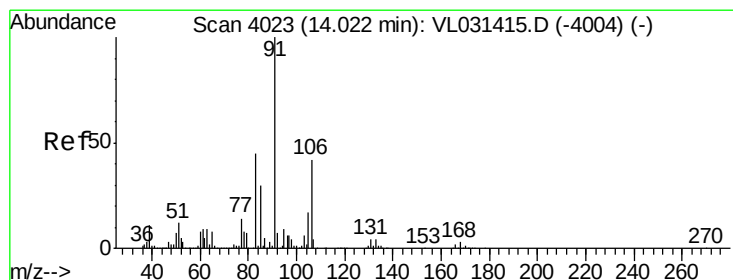
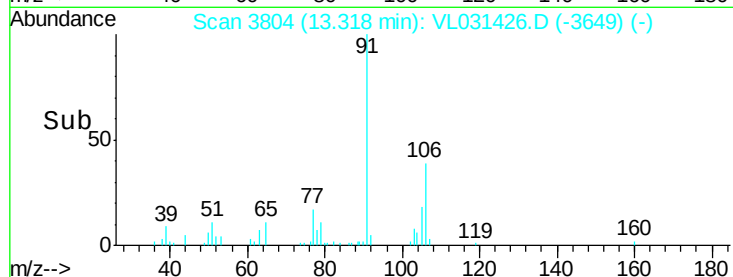
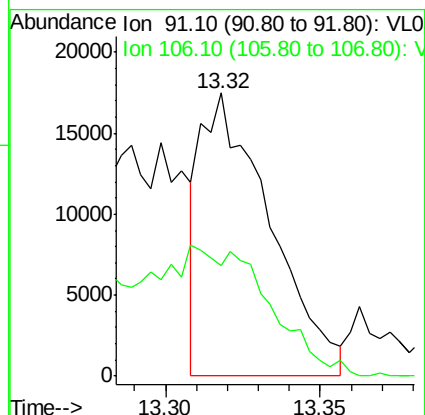
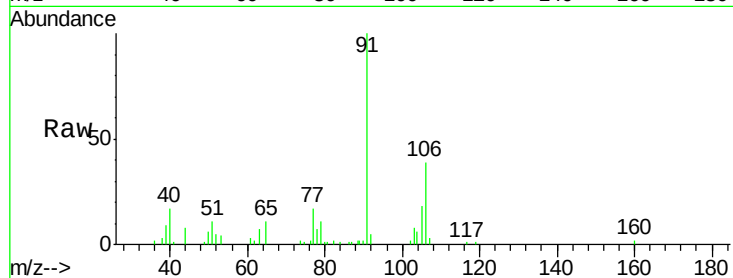




#59
m/p-Xylene
Concen: 0.08 ppbv
RT: 13.32 min Scan# 3804
Delta R.T. -0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

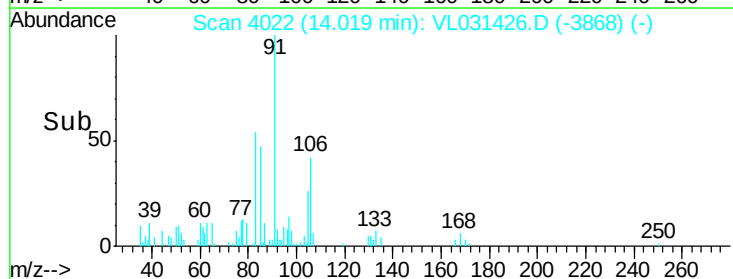
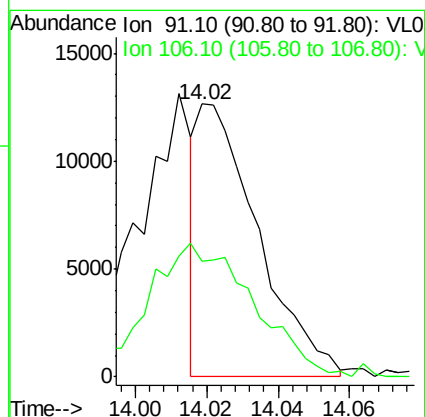
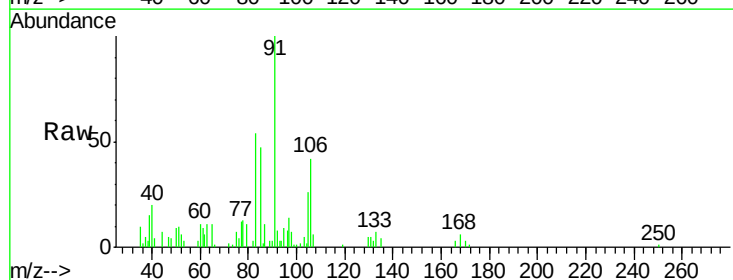
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

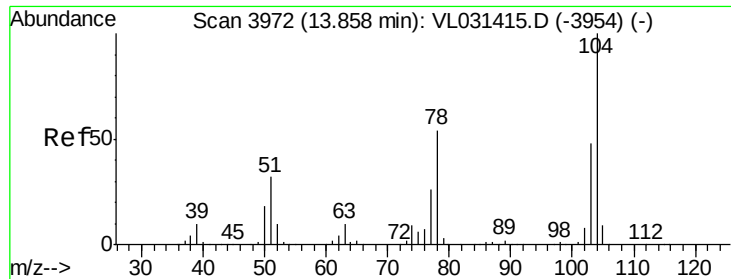
Tgt Ion: 91 Resp: 27211
Ion Ratio Lower Upper
91 100
106 102.9 35.6 53.4#



#60
o-Xylene
Concen: 0.04 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 91 Resp: 14717
Ion Ratio Lower Upper
91 100
106 90.4 21.3 64.0#

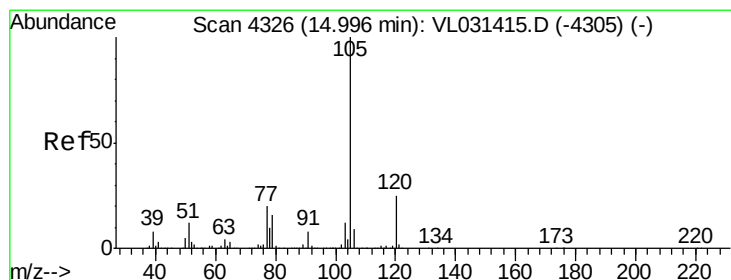
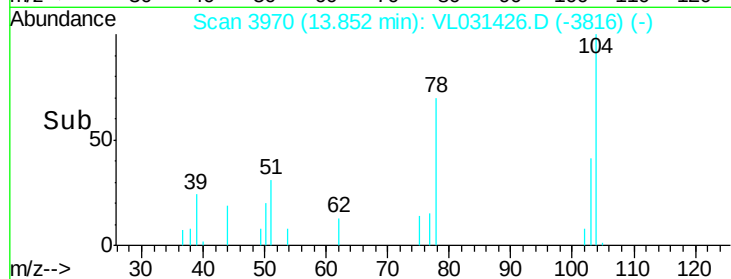
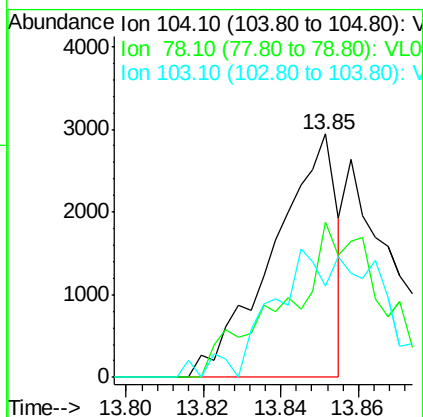
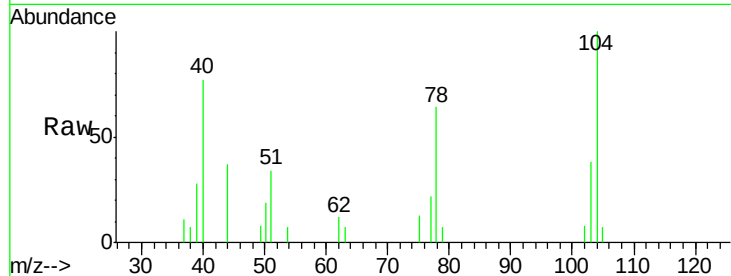




#61
Styrene
Concen: 0.05 ppbv
RT: 13.85 min Scan# 3970
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

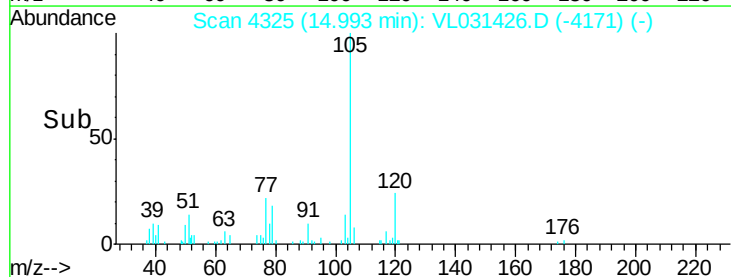
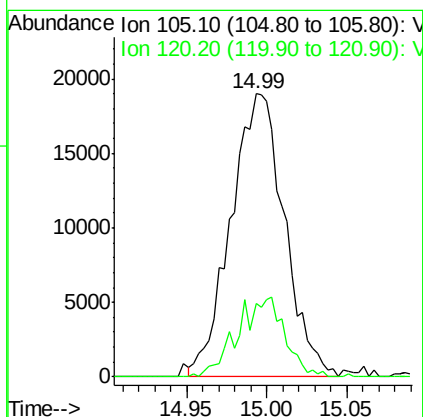
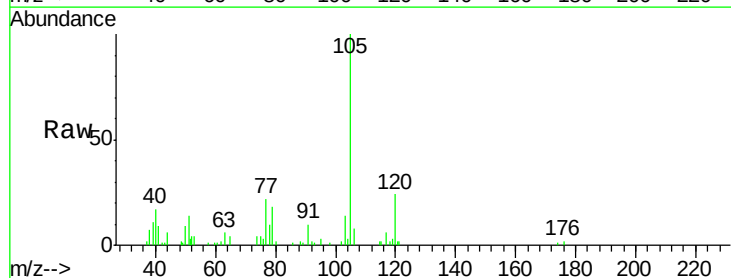
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

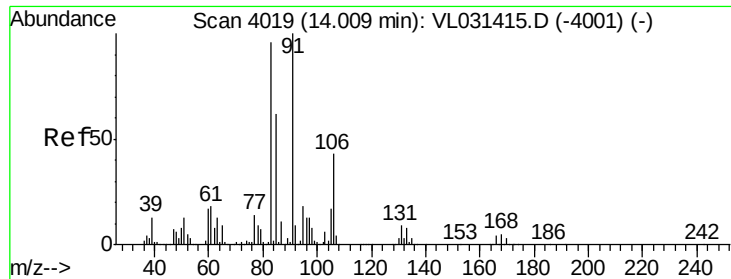
Tgt Ion:104 Resp: 3352
Ion Ratio Lower Upper
104 100
78 99.0 45.4 68.0#
103 92.6 38.6 57.8#



#62
Isopropylbenzene
Concen: 0.10 ppbv
RT: 14.99 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion:105 Resp: 43578
Ion Ratio Lower Upper
105 100
120 24.9 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 0.05 ppbv

RT: 14.00 min Scan# 4016

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

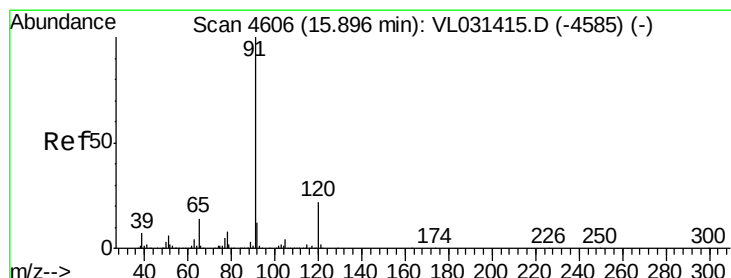
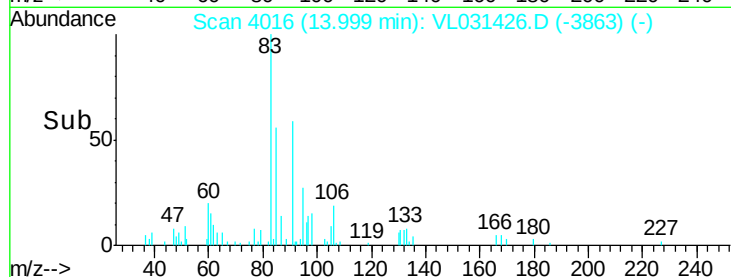
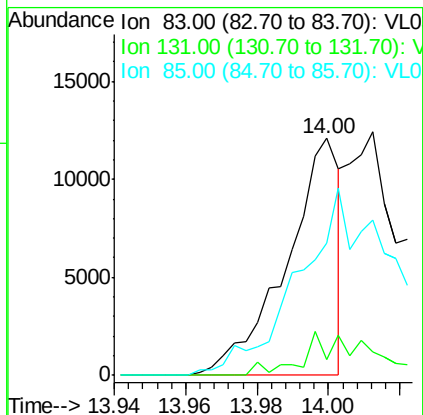
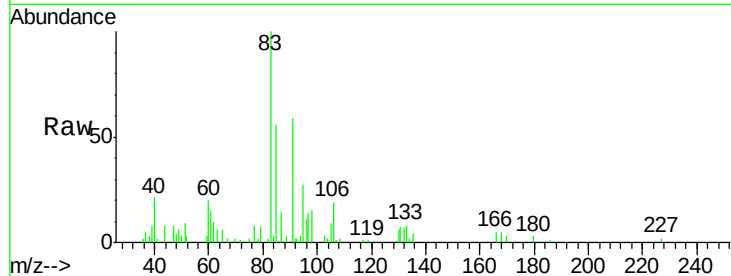
Tgt Ion: 83 Resp: 12538

Ion Ratio Lower Upper

83 100

131 25.8 4.8 14.3#

85 148.9 32.4 97.0#



#64

n-propylbenzene

Concen: 0.05 ppbv

RT: 15.88 min Scan# 4602

Delta R.T. -0.01 min

Lab File: VL031426.D

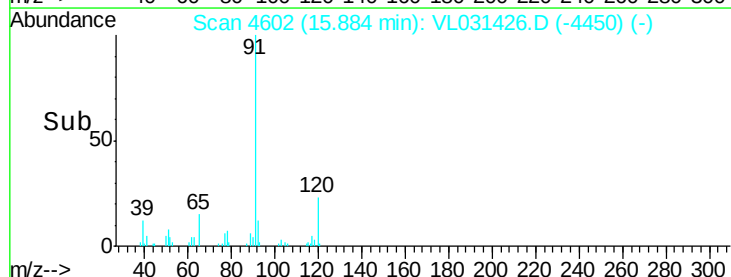
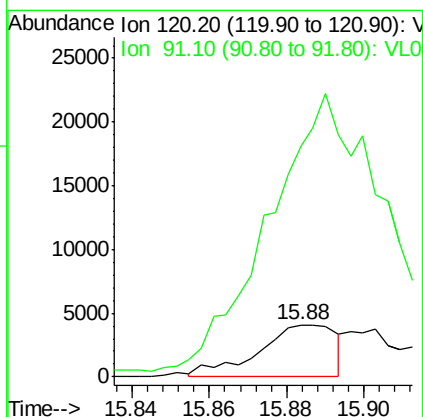
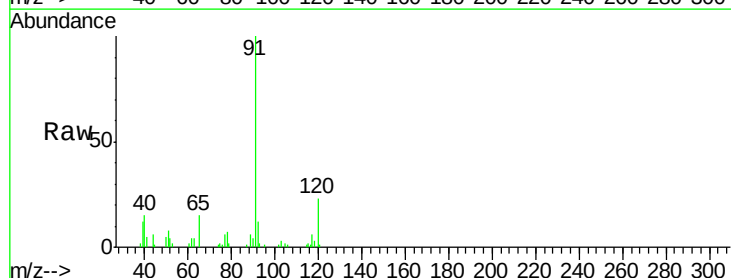
Acq: 22 Jan 2018 21:51

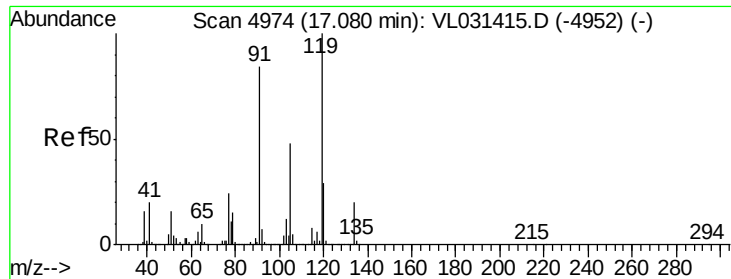
Tgt Ion:120 Resp: 5720

Ion Ratio Lower Upper

120 100

91 873.2 389.8 584.6#





#65

tert-Butylbenzene

Concen: 0.03 ppbv

RT: 17.07 min Scan# 4971

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

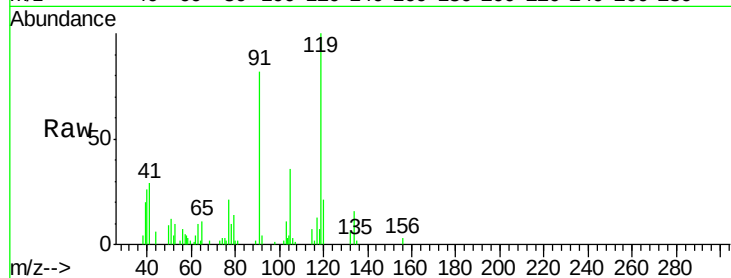
Tgt Ion: 119 Resp: 12528

Ion Ratio Lower Upper

119 100

91 0.0 69.0 103.6#

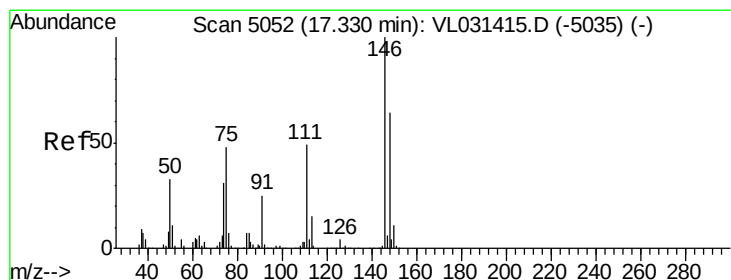
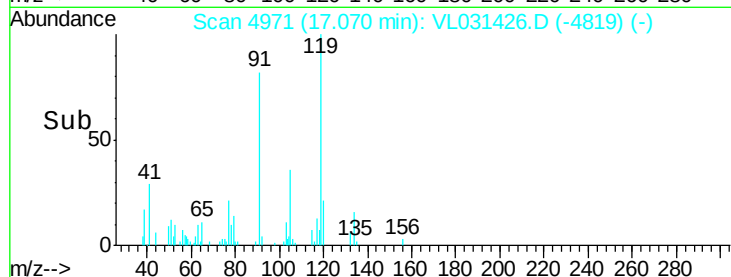
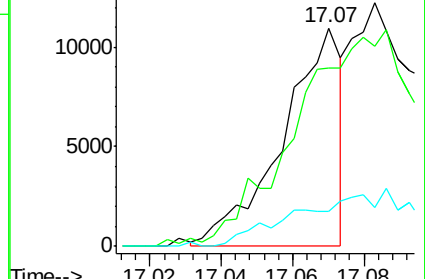
134 0.0 15.7 23.5#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.02 ppbv

RT: 17.32 min Scan# 5048

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

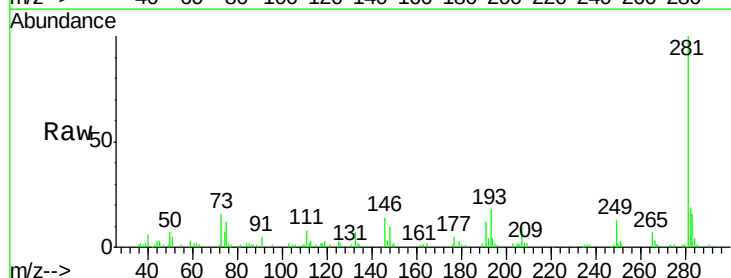
Tgt Ion: 91 Resp: 705

Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

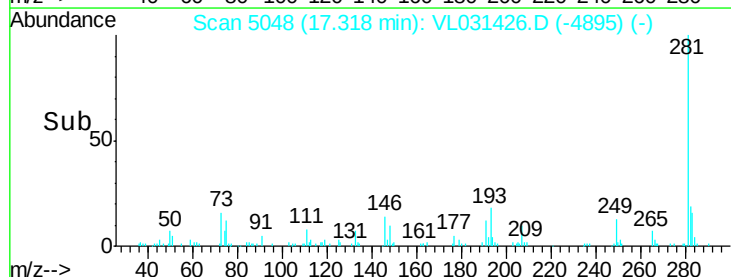
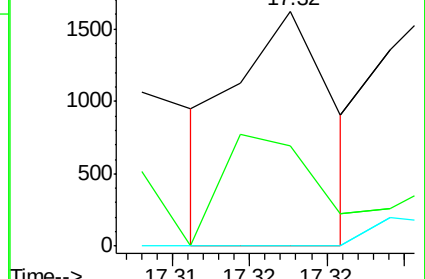
128 0.0 4.6 6.8#

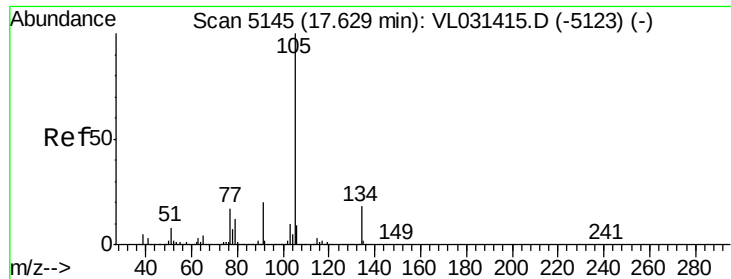


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.09 ppbv

RT: 17.63 min Scan# 5144

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

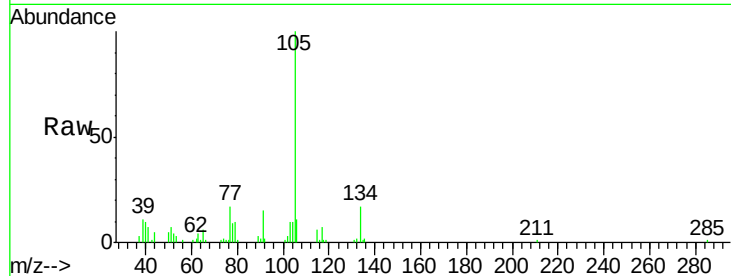
MDL-AIR-1DL

Tgt Ion: 105 Resp: 45739

Ion Ratio Lower Upper

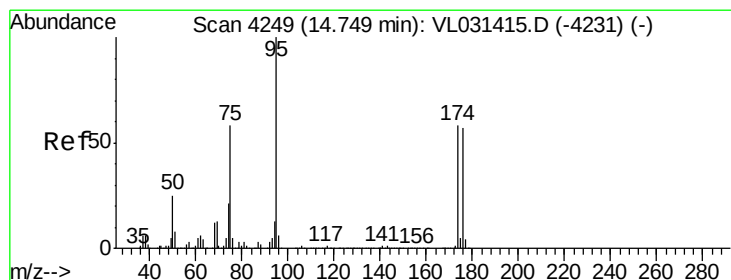
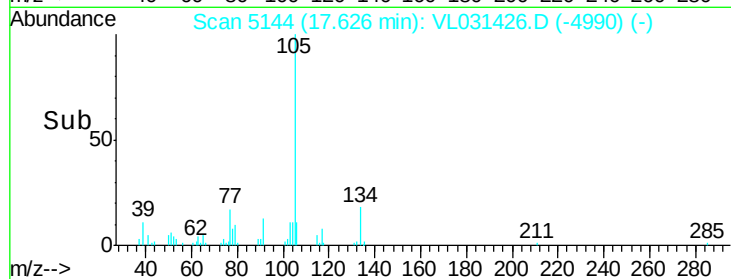
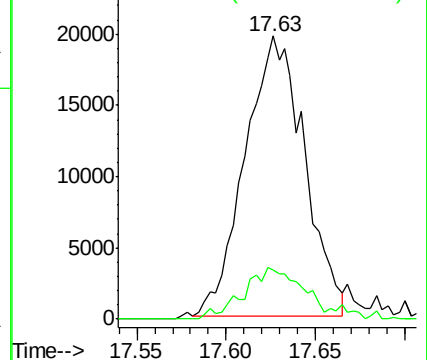
105 100

134 20.0 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: 10.19 ppbv

RT: 14.75 min Scan# 4248

Delta R.T. -0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

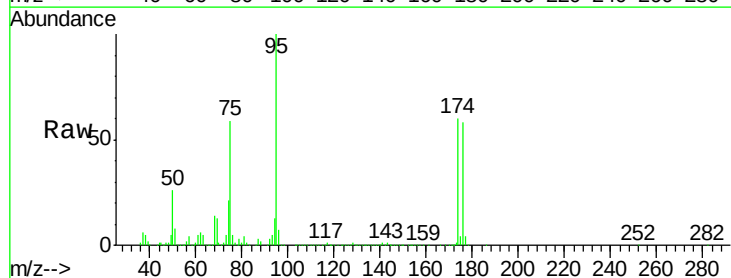
Tgt Ion: 95 Resp: 2222080

Ion Ratio Lower Upper

95 100

174 61.2 48.2 72.4

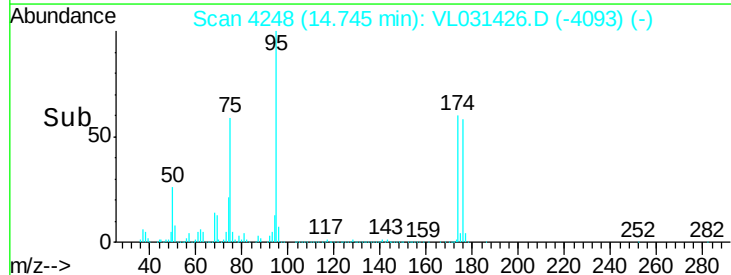
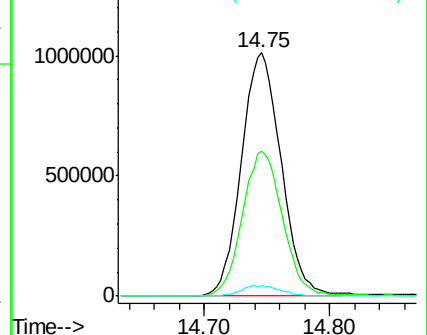
175 4.4 3.6 5.4

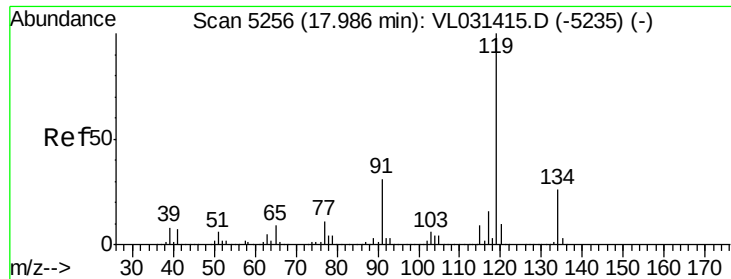


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

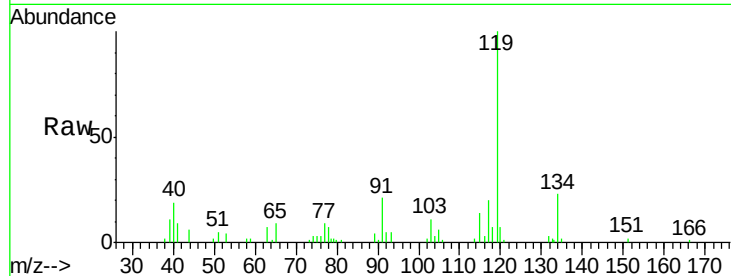




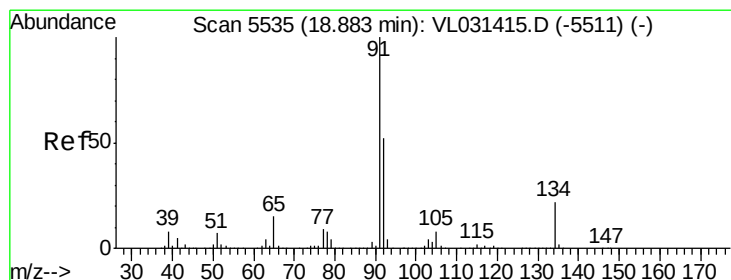
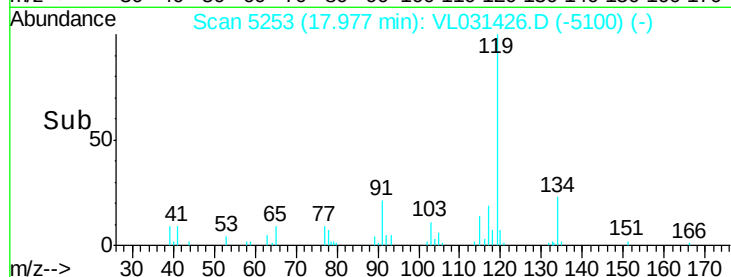
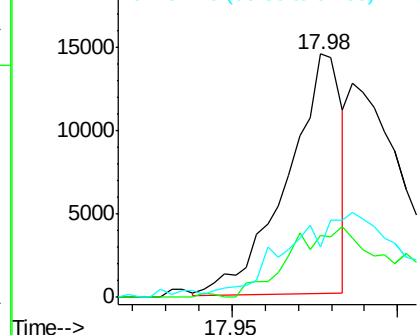
#69
p-Isopropyltoluene
Concen: 0.04 ppbv
RT: 17.98 min Scan# 5253
Delta R.T. -0.01 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

Tgt Ion: 119 Resp: 16393
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.4#
91 0.0 25.0 37.4#

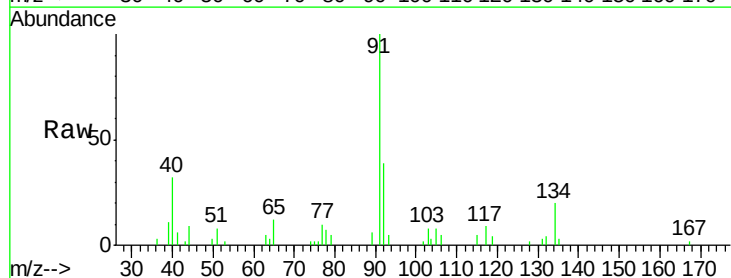


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

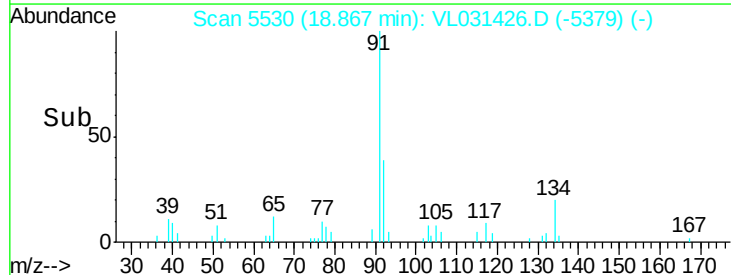
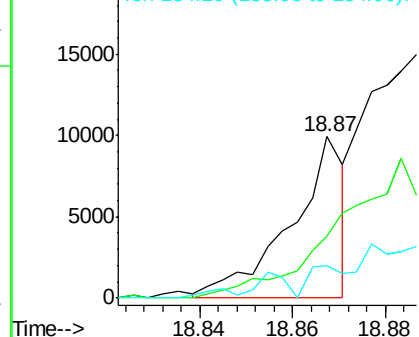


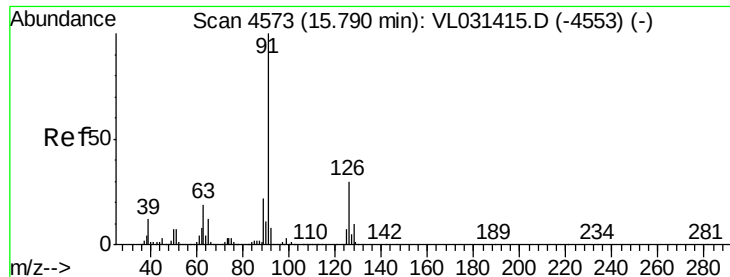
#70
n-Butylbenzene
Concen: 0.02 ppbv
RT: 18.87 min Scan# 5530
Delta R.T. -0.02 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion: 91 Resp: 7976
Ion Ratio Lower Upper
91 100
92 0.0 42.2 63.4#
134 0.0 17.4 26.2#



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





#71

2-Chlorotoluene

Concen: 0.05 ppbv

RT: 15.78 min Scan# 4571

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

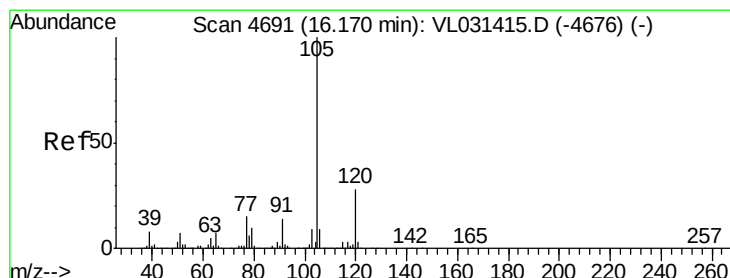
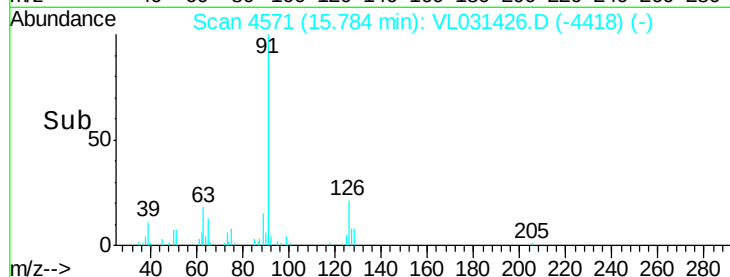
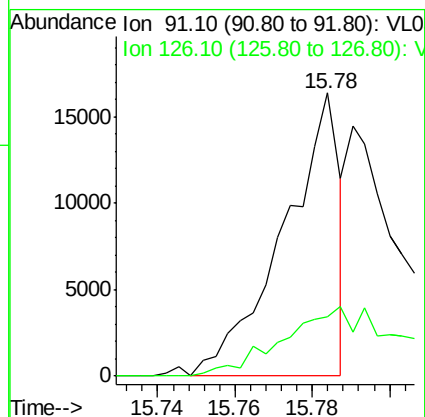
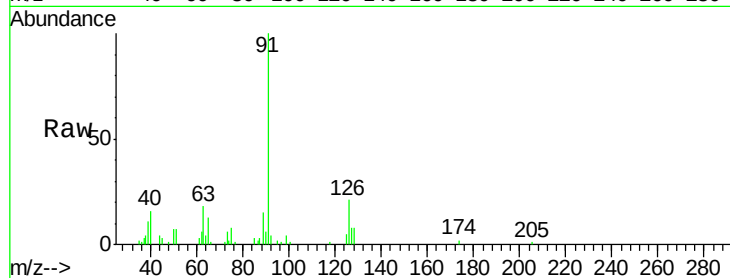
MDL-AIR-1DL

Tgt Ion: 91 Resp: 16486

Ion Ratio Lower Upper

91 100

126 0.0 11.7 46.9#



#72

4-Ethyltoluene

Concen: 0.03 ppbv

RT: 16.16 min Scan# 4689

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Tgt Ion: 105 Resp: 10690

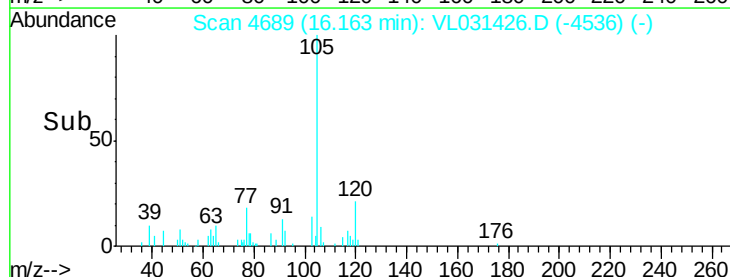
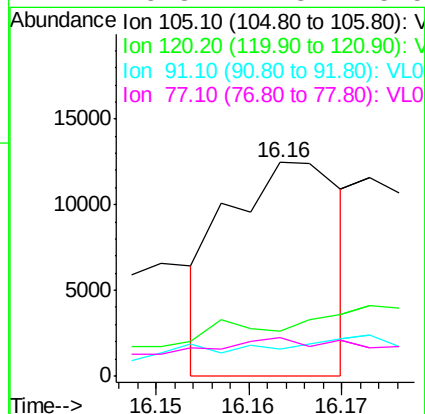
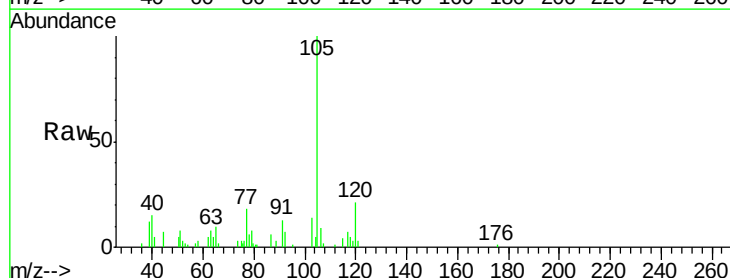
Ion Ratio Lower Upper

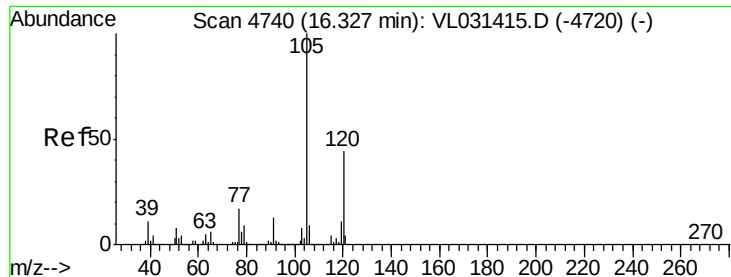
105 100

120 0.0 23.0 34.6#

91 0.0 11.0 16.4#

77 45.8 12.3 18.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.07 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. 0.00 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Instrument :

MSVOA_L

ClientSampleId :

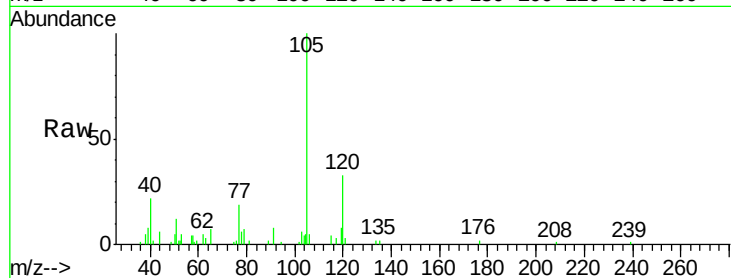
MDL-AIR-1DL

Tgt Ion:105 Resp: 22820

Ion Ratio Lower Upper

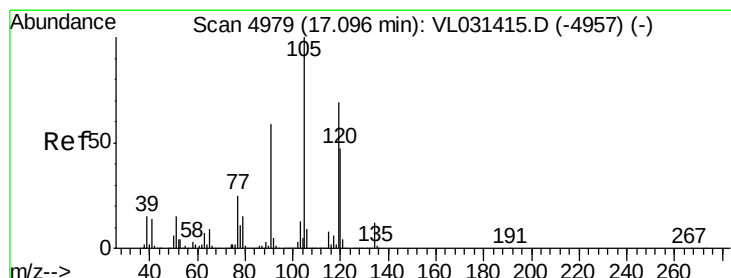
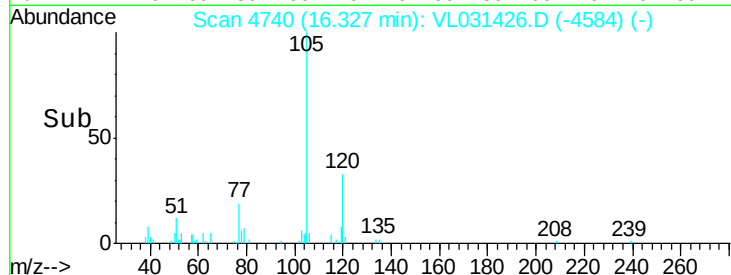
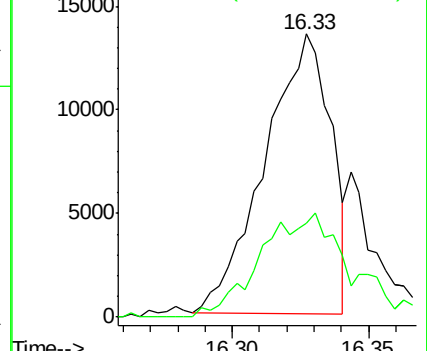
105 100

120 36.9 35.8 53.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.09 ppbv

RT: 17.09 min Scan# 4978

Delta R.T. -0.01 min

Lab File: VL031426.D

Acq: 22 Jan 2018 21:51

Tgt Ion:105 Resp: 30730

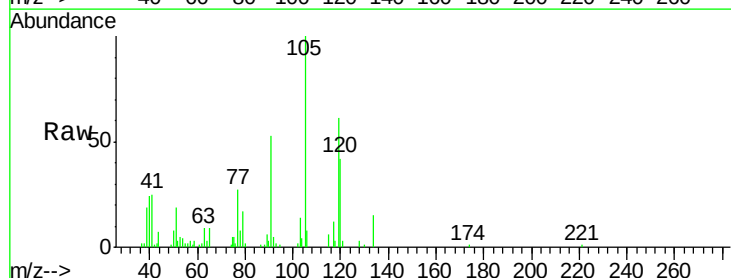
Ion Ratio Lower Upper

105 100

120 38.6 37.0 55.6

91 50.5 35.1 52.7

77 25.0 17.9 26.9

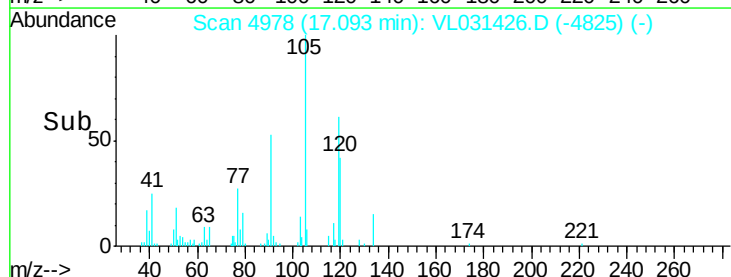
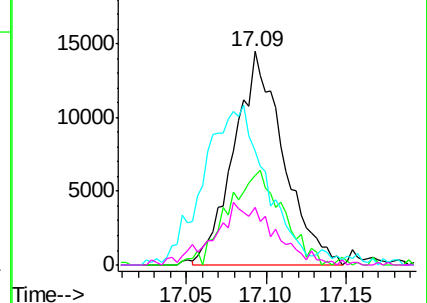


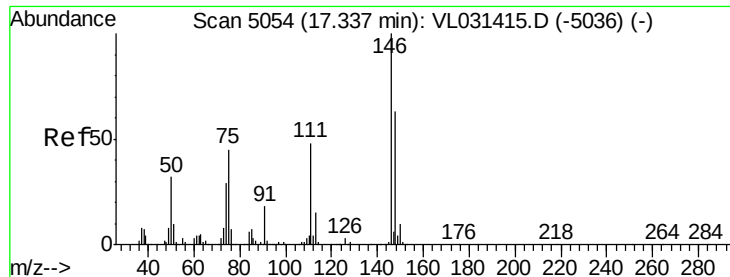
Abundance Ion 105.10 (104.80 to 105.80): V

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

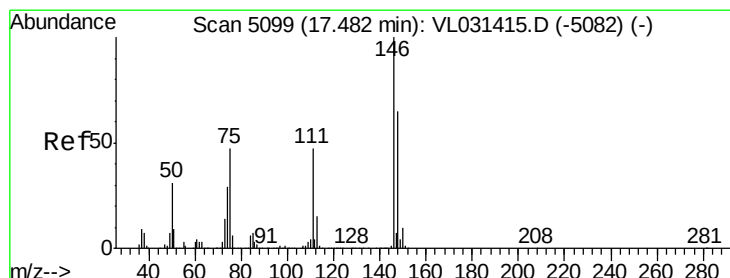
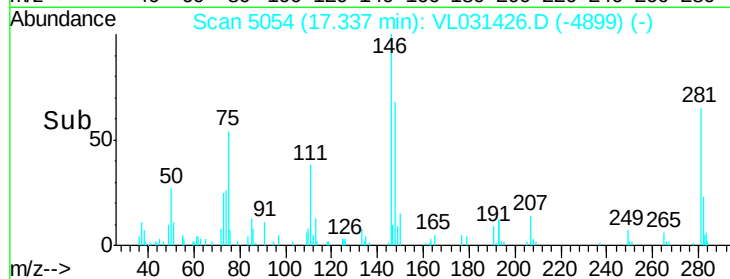
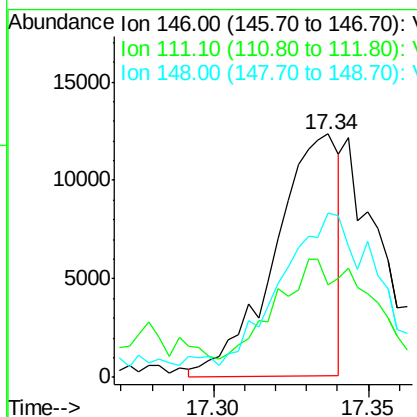
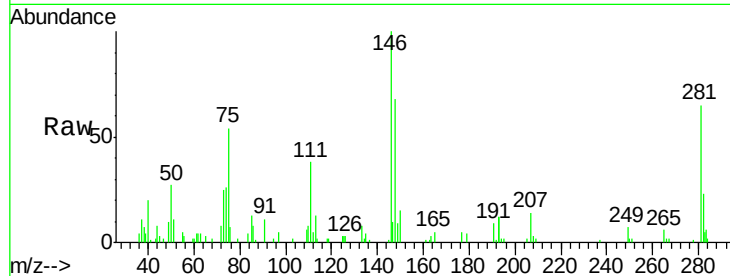




#75
 1,3-Dichlorobenzene
 Concen: 0.08 ppbv
 RT: 17.34 min Scan# 5054
 Delta R.T. -0.00 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

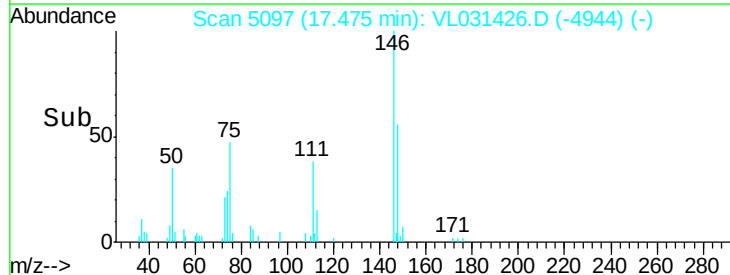
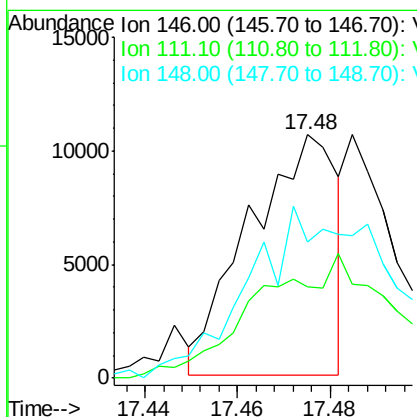
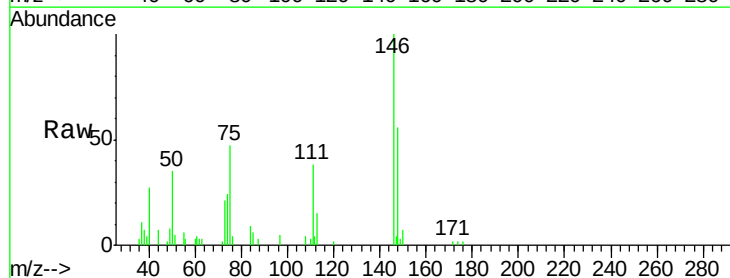
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

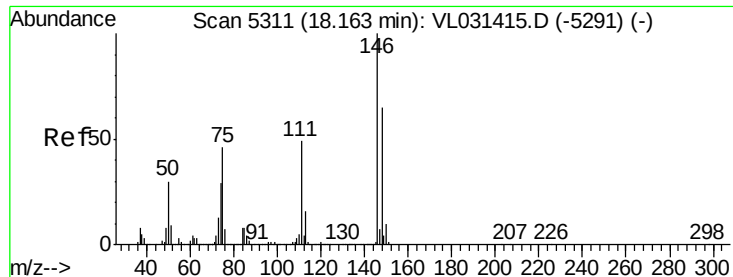
Tgt Ion:146 Resp: 17662
 Ion Ratio Lower Upper
 146 100
 111 89.0 24.2 72.6#
 148 116.3 32.1 96.3#



#76
 1,4-Dichlorobenzene
 Concen: 0.07 ppbv
 RT: 17.48 min Scan# 5097
 Delta R.T. -0.01 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Tgt Ion:146 Resp: 13819
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.3 69.9#
 148 126.3 32.4 97.2#

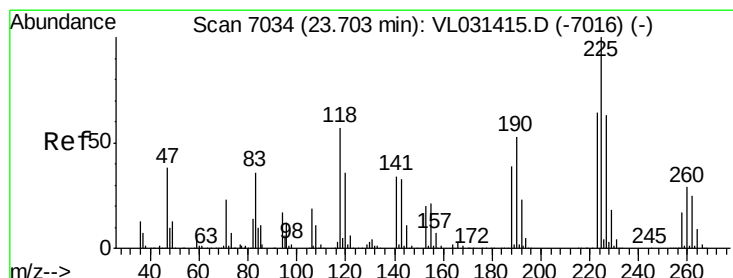
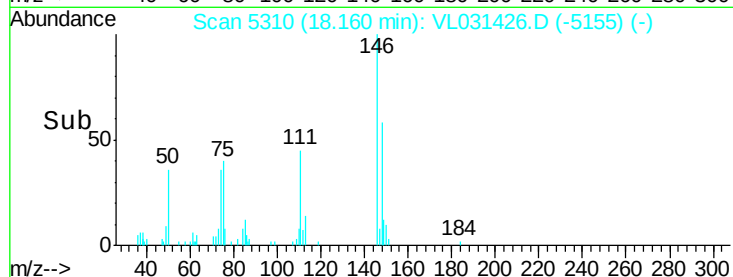
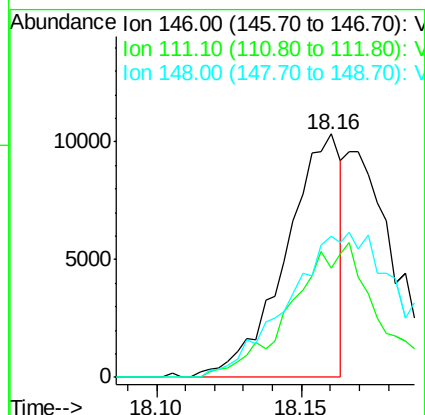
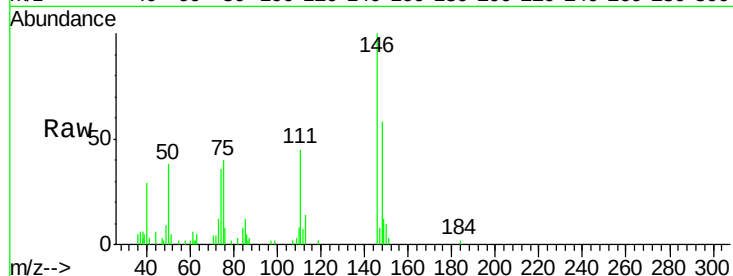




#77
 1,2-Dichlorobenzene
 Concen: 0.07 ppbv
 RT: 18.16 min Scan# 5310
 Delta R.T. -0.00 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

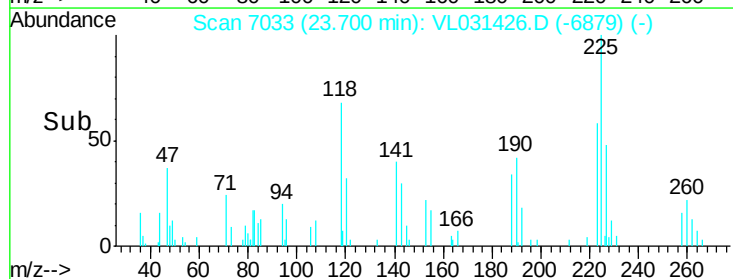
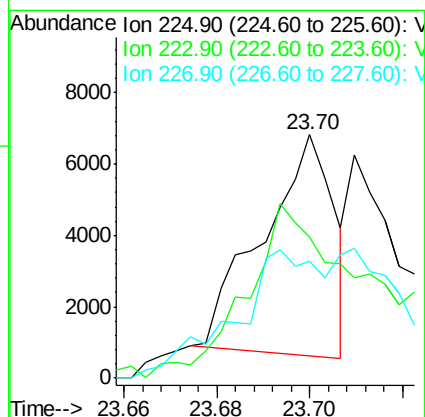
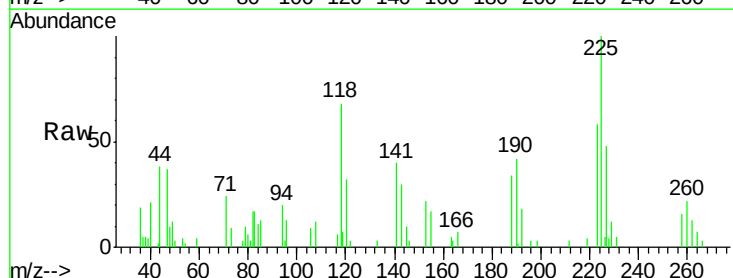
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

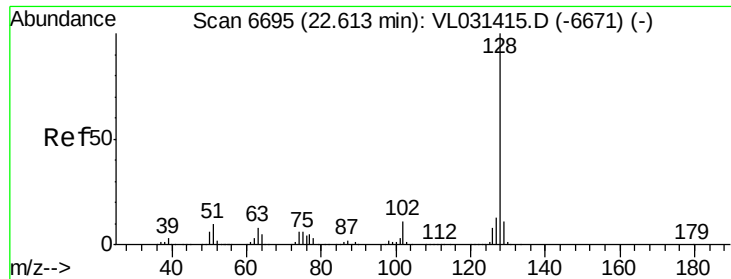
Tgt Ion:146 Resp: 13651
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.6 74.0#
 148 0.0 32.3 96.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.09 ppbv
 RT: 23.70 min Scan# 7033
 Delta R.T. -0.01 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Tgt Ion:225 Resp: 6577
 Ion Ratio Lower Upper
 225 100
 223 145.4 51.3 76.9#
 227 0.0 50.7 76.1#

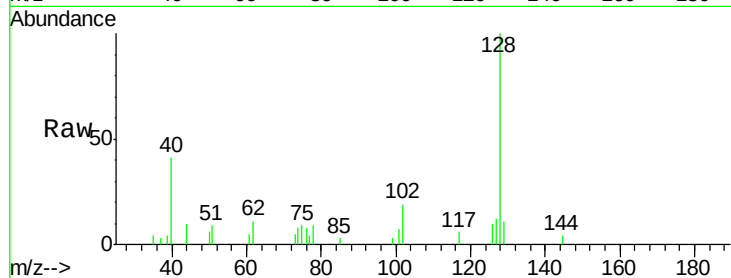




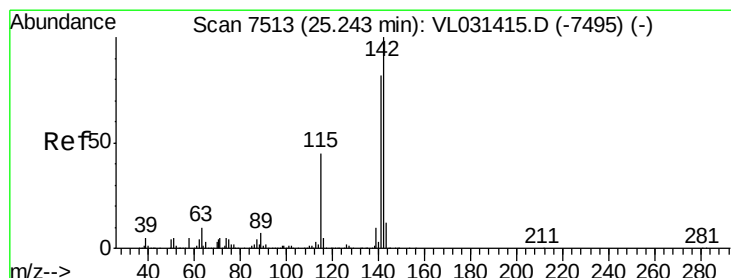
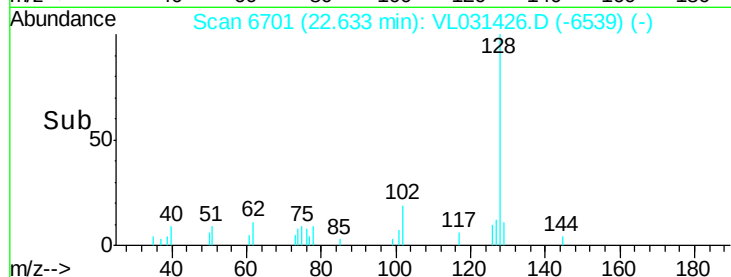
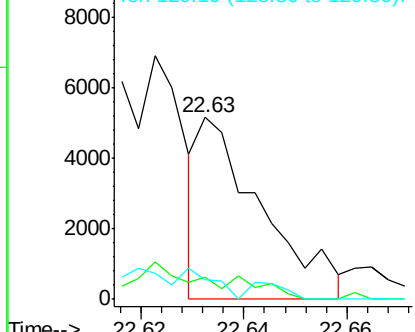
#79
Naphthalene
Concen: 0.02 ppbv
RT: 22.63 min Scan# 6701
Delta R.T. 0.02 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

Tgt Ion:128 Resp: 4388
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 12.7 9.2 13.8

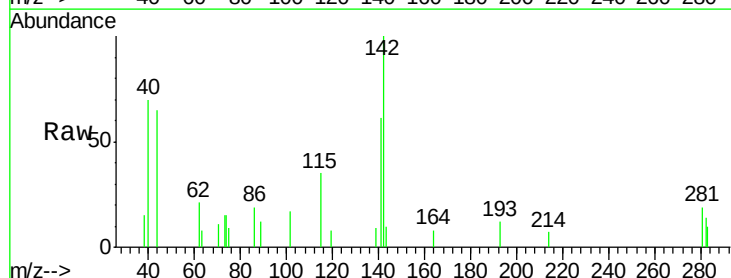


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

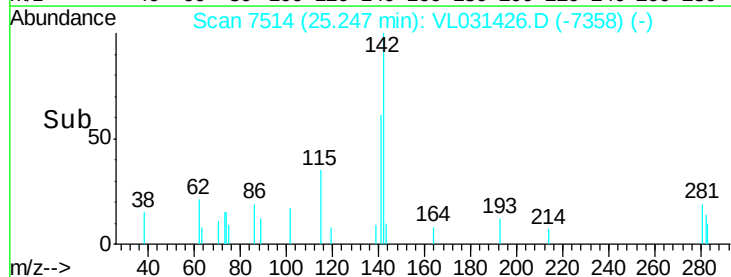
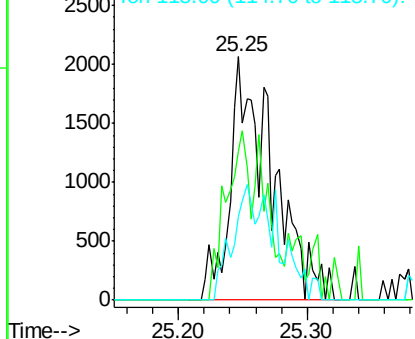


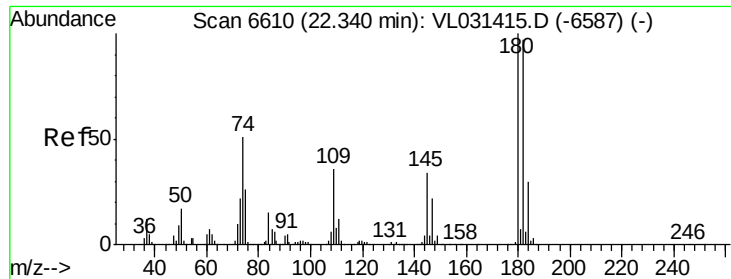
#80
Naphthalene, 2-methyl-
Concen: 0.08 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031426.D
Acq: 22 Jan 2018 21:51

Tgt Ion:142 Resp: 4738
Ion Ratio Lower Upper
142 100
141 79.1 68.7 103.1
115 49.6 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

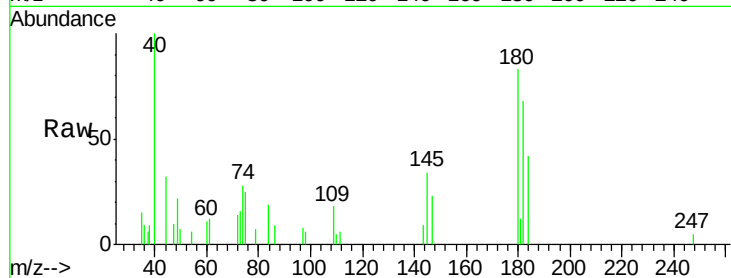




#81
 1,2,4-Trichlorobenzene
 Concen: 0.02 ppbv
 RT: 22.32 min Scan# 6605
 Delta R.T. -0.02 min
 Lab File: VL031426.D
 Acq: 22 Jan 2018 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Tgt Ion:180 Resp: 1742
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.4#
 184 0.0 24.2 36.4#



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

