

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031435.D
 Acq On : 23 Jan 2018 3:16
 Operator : SY/AP
 Sample : J1089-10
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

Quant Time: Jan 23 06:24:17 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	1206973	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2669530	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2610236	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2132378	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.18	85	9422	0.06	ppbv	96
3) Chlorodifluoromethane	3.12	51	5481	0.03	ppbv #	90
4) Chloromethane	3.28	50	1524	0.02	ppbv	99
5) Vinyl Chloride	3.40	62	2237	0.03	ppbv #	83
6) Bromomethane	3.63	94	997	0.02	ppbv #	50
7) Chloroethane	3.71	64	1014	0.03	ppbv	100
8) Dichlorotetrafluoroethane	3.32	85	6829	0.04	ppbv	98
9) Propene	3.14	41	840	0.02	ppbv #	1
10) Heptane	8.40	43	1050	0.01	ppbv #	28
11) Trichlorofluoromethane	4.13	101	5222	0.02	ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1824	0.01	ppbv #	1
13) Ethanol	3.75	45	127	0.01	ppbv #	38
14) Bromoethene	3.90	108	694	0.01	ppbv #	1
15) Acetone	4.05	43	4991	0.03	ppbv #	43
16) 1,3-Butadiene	3.48	39	1700	0.03	ppbv #	69
17) tert-Butyl alcohol	4.52	59	332	0.00	ppbv #	71
18) 1,1-Dichloroethene	4.48	96	1493	0.02	ppbv #	44
19) Isopropyl Alcohol	4.14	45	82	0.00	ppbv #	97
20) Methylene Chloride	4.53	84	1964	0.03	ppbv #	84
21) Allyl Chloride	4.60	41	1330	0.01	ppbv #	1
22) trans-1,2-Dichloroethene	5.10	96	2762	0.04	ppbv #	53
23) Vinyl Acetate	5.29	43	692	0.00	ppbv #	77
24) 1,1-Dichloroethane	5.23	63	5675	0.03	ppbv #	88
25) Ethyl Acetate	5.90	43	63	0.00	ppbv #	1
26) Hexane	5.92	57	3659	0.03	ppbv #	85
27) Carbon Disulfide	4.75	76	2081	0.01	ppbv #	61
28) Methyl tert-Butyl Ether	5.25	73	30	0.00	ppbv #	54
29) Chloroform	5.99	83	6049	0.03	ppbv #	77
30) Cyclohexane	7.40	84	1036	0.01	ppbv #	1
31) cis-1,2-Dichloroethene	5.79	61	1632	0.01	ppbv #	28
32) 1,1,1-Trichloroethane	6.77	97	2762	0.01	ppbv #	1
34) 2-Butanone	5.47	43	212	0.00	ppbv #	55
35) Carbon Tetrachloride	7.29	117	1995	0.01	ppbv #	69
36) Benzene	7.16	78	3282	0.01	ppbv #	75
37) 1,2-Dichloroethane	6.57	62	2700	0.01	ppbv #	76
38) Trichloroethene	8.12	130	2666	0.03	ppbv #	38
39) 1,2-Dichloropropane	7.44	63	752009	8.44	ppbv #	23
40) 1,4-Dioxane	8.21	88	69	0.00	ppbv #	1
41) Tetrahydrofuran	6.32	42	76	0.00	ppbv #	25
42) Bromodichloromethane	8.08	83	5779	0.03	ppbv #	72
43) Methyl Methacrylate	8.29	69	276	0.00	ppbv #	1

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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

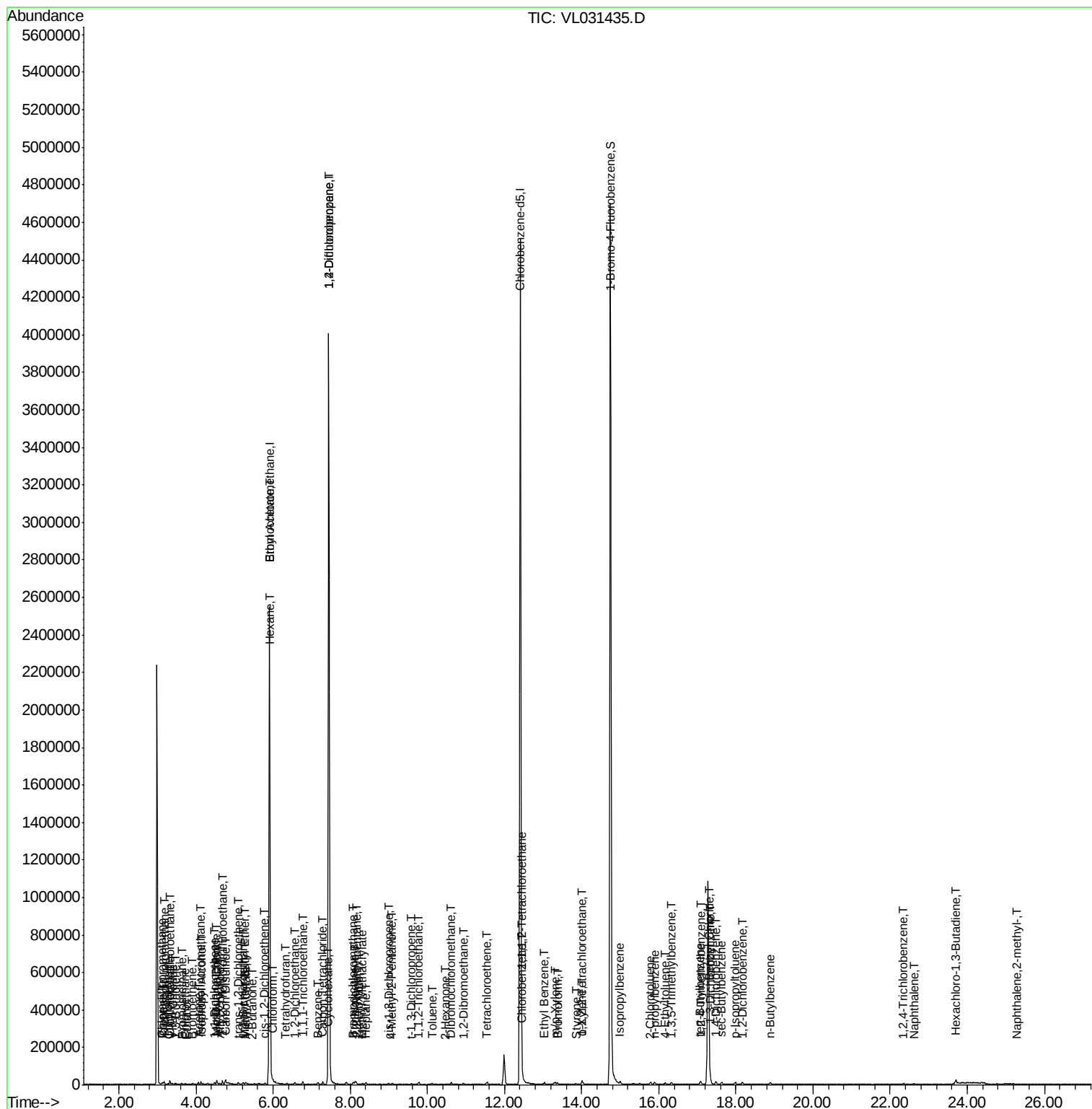
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	1373	0.00	ppbv #	1
45) t-1,3-Dichloropropene	9.58	75	502	0.00	ppbv	99
46) cis-1,3-Dichloropropene	9.00	75	1354	0.01	ppbv #	80
47) 1,1,2-Trichloroethane	9.79	97	915	0.01	ppbv #	41
48) Dibromochloromethane	10.62	129	2666	0.01	ppbv #	5
49) Bromoform	13.36	173	1370	0.01	ppbv #	1
50) 4-Methyl-2-Pentanone	9.07	43	741	0.00	ppbv #	41
51) 2-Hexanone	10.45	43	93	0.00	ppbv #	31
52) Tetrachloroethene	11.54	164	968	0.01	ppbv #	37
53) Toluene	10.12	91	1000	0.00	ppbv #	21
54) 1,2-Dibromoethane	10.93	107	3311	0.02	ppbv #	71
56) 1,1,1,2-Tetrachloroethane	12.45	131	1497	0.01	ppbv #	1
57) Chlorobenzene	12.47	112	3031	0.01	ppbv #	75
58) Ethyl Benzene	13.04	91	2892	0.01	ppbv	97
59) m/p-Xylene	13.31	91	1202	0.00	ppbv #	32
60) o-Xylene	14.02	91	1720	0.01	ppbv #	1
61) Styrene	13.85	104	750	0.01	ppbv #	43
62) Isopropylbenzene	14.99	105	1969	0.00	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	14.01	83	2287	0.01	ppbv #	24
64) n-propylbenzene	15.89	120	384	0.00	ppbv #	1
65) tert-Butylbenzene	17.08	119	1581	0.00	ppbv #	16
66) Benzyl Chloride	17.32	91	228	0.01	ppbv #	66
67) sec-Butylbenzene	17.63	105	5232	0.01	ppbv #	59
69) p-Isopropyltoluene	17.99	119	1609	0.00	ppbv #	1
70) n-Butylbenzene	18.88	91	2573	0.01	ppbv #	21
71) 2-Chlorotoluene	15.76	91	239	0.00	ppbv	89
72) 4-Ethyltoluene	16.17	105	3089	0.01	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.33	105	705	0.00	ppbv #	67
74) 1,2,4-Trimethylbenzene	17.10	105	3525	0.01	ppbv #	74
75) 1,3-Dichlorobenzene	17.34	146	3127	0.02	ppbv #	29
76) 1,4-Dichlorobenzene	17.48	146	2647	0.01	ppbv #	9
77) 1,2-Dichlorobenzene	18.17	146	1279	0.01	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.71	225	1058	0.01	ppbv #	1
79) Naphthalene	22.61	128	708	0.00	ppbv #	86
80) Naphthalene,2-methyl-	25.29	142	213	0.00	ppbv	86
81) 1,2,4-Trichlorobenzene	22.34	180	364	0.00	ppbv #	12

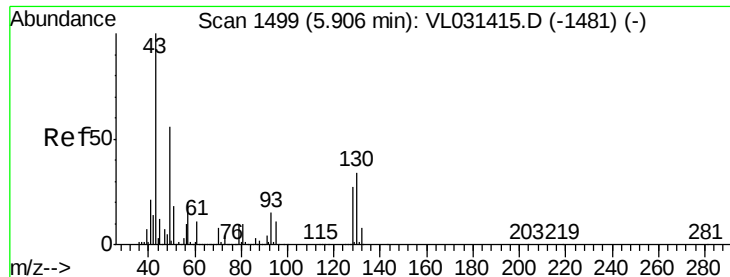
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample    : J1089-10  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
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Instrument :
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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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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

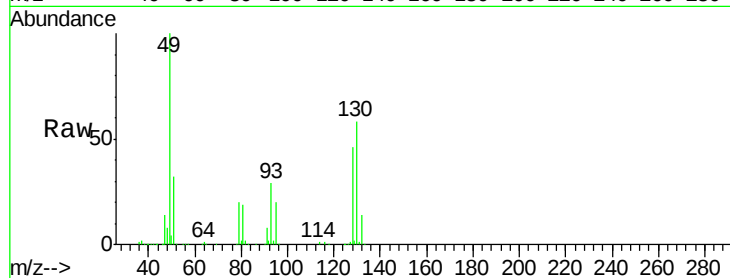
Tgt Ion: 49 Resp: 1206973

Ion Ratio Lower Upper

49 100

128 45.1 23.5 70.6

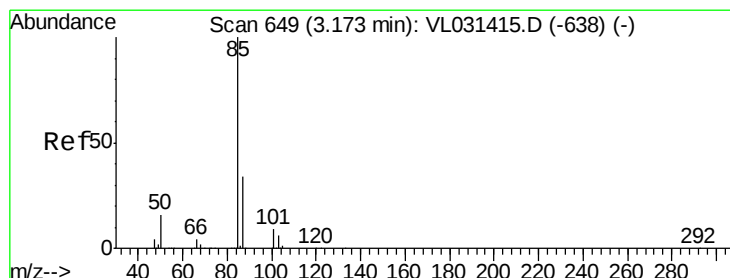
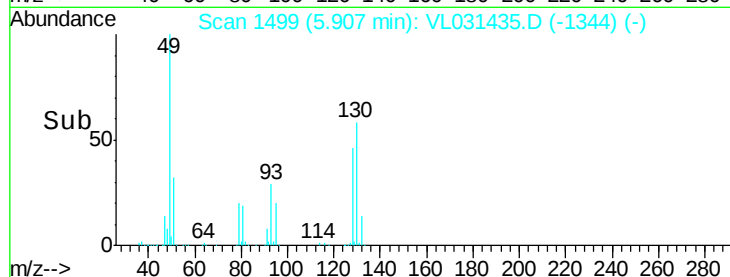
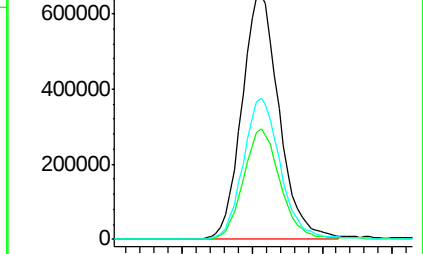
130 58.7 29.9 89.7



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: 0.06 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031435.D

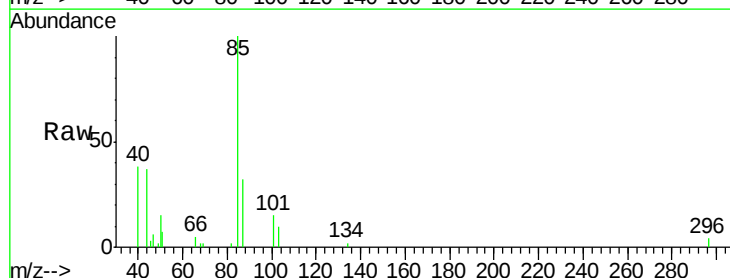
Acq: 23 Jan 2018 3:16

Tgt Ion: 85 Resp: 9422

Ion Ratio Lower Upper

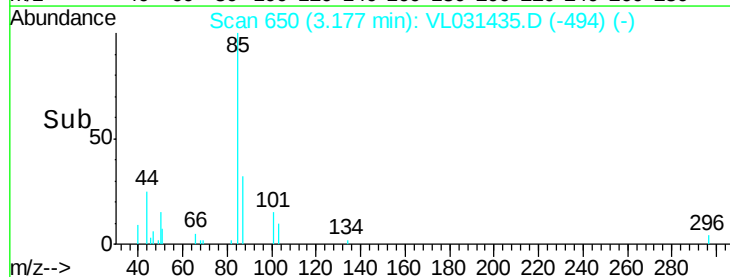
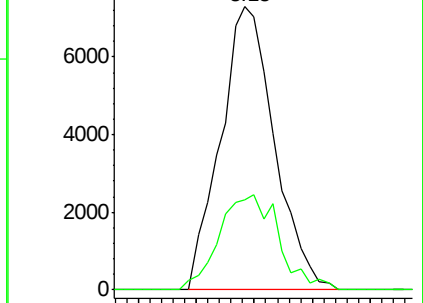
85 100

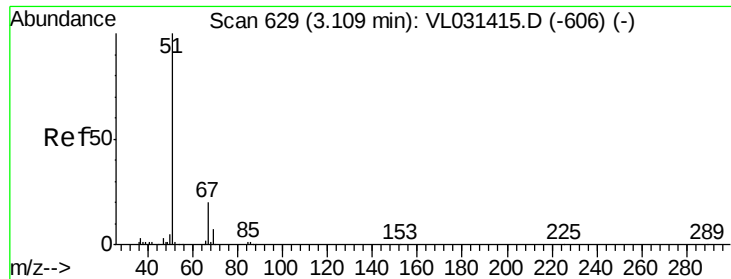
87 32.0 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

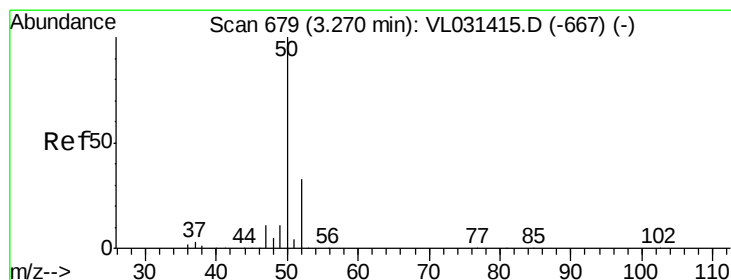
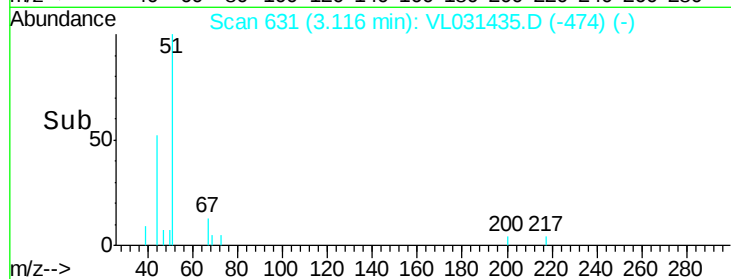
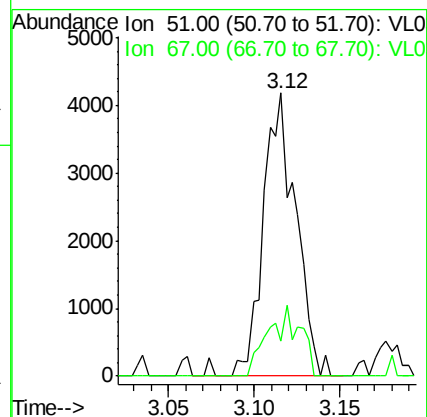
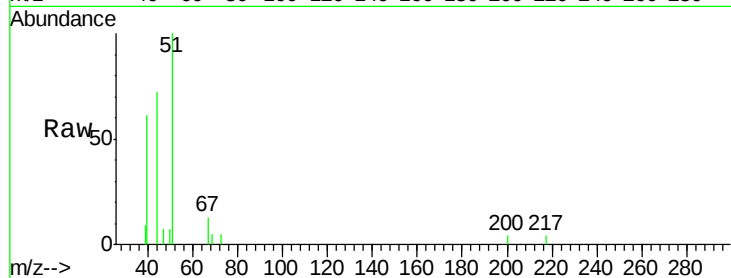
MDL-AIR-3

Tgt Ion: 51 Resp: 5481

Ion Ratio Lower Upper

51 100

67 24.5 16.0 24.0#



#4

Chloromethane

Concen: 0.02 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031435.D

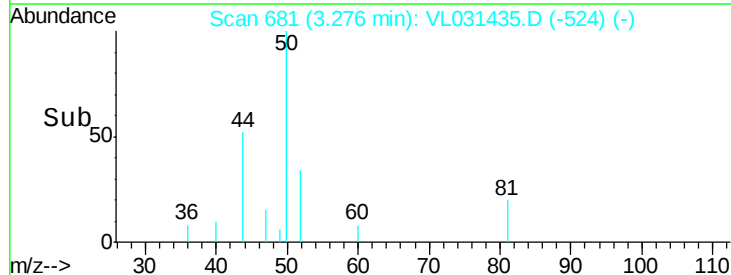
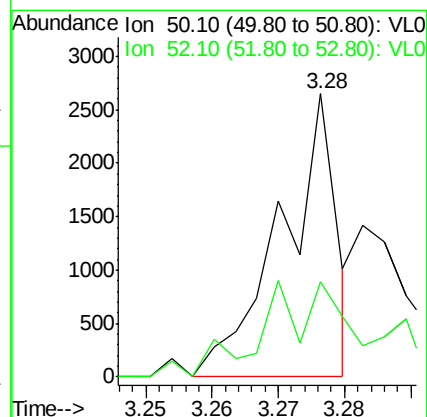
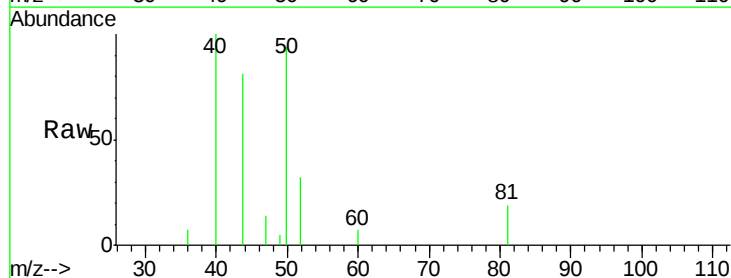
Acq: 23 Jan 2018 3:16

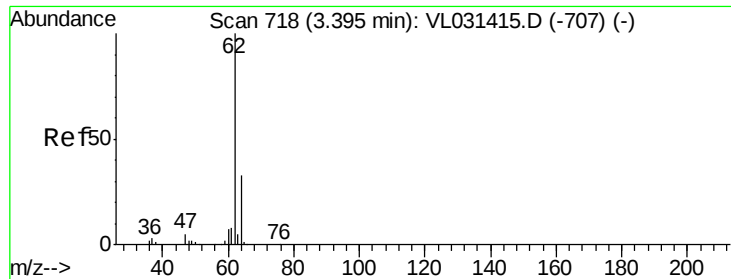
Tgt Ion: 50 Resp: 1524

Ion Ratio Lower Upper

50 100

52 33.7 26.4 39.6





#5

Vinyl Chloride

Concen: 0.03 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

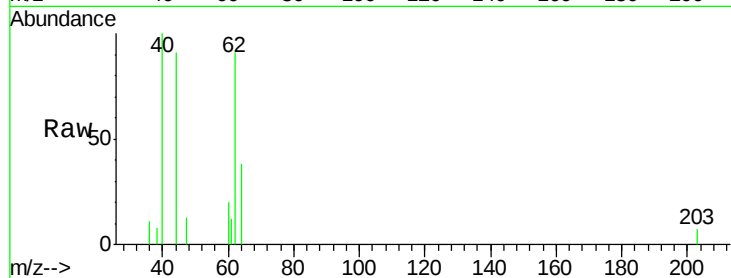
MDL-AIR-3

Tgt Ion: 62 Resp: 2237

Ion Ratio Lower Upper

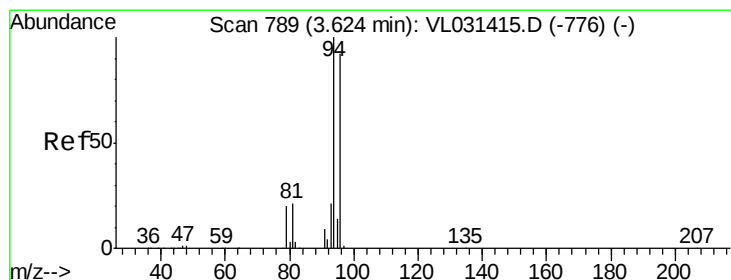
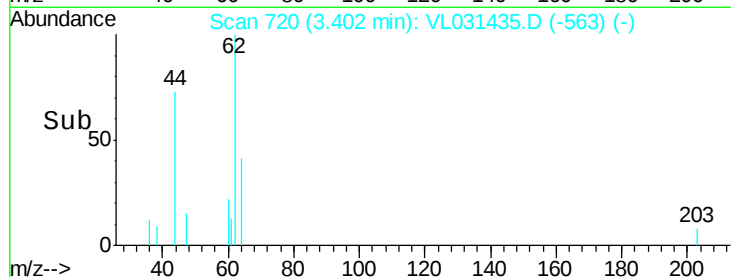
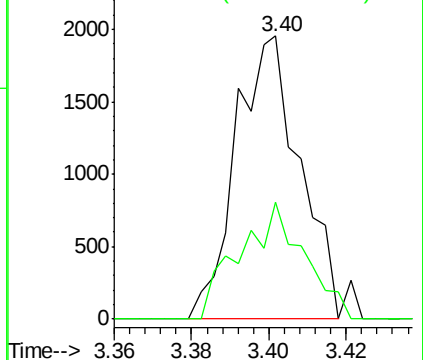
62 100

64 41.3 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: 0.02 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031435.D

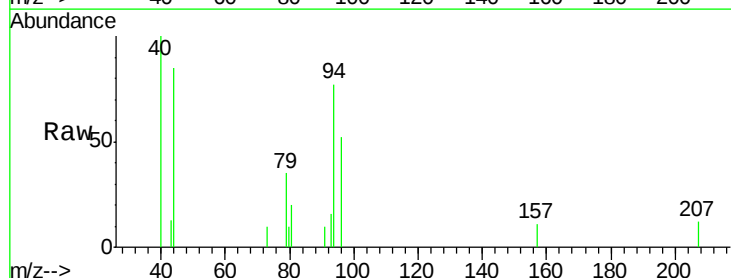
Acq: 23 Jan 2018 3:16

Tgt Ion: 94 Resp: 997

Ion Ratio Lower Upper

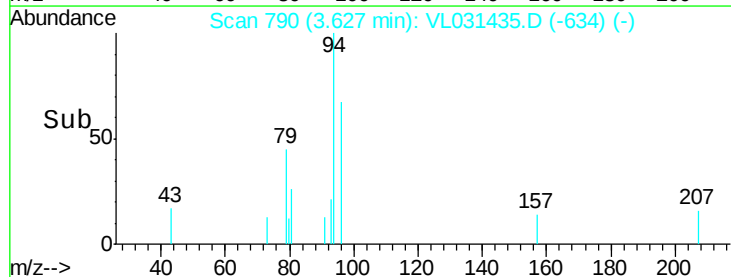
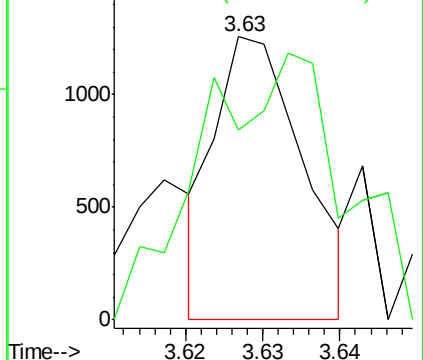
94 100

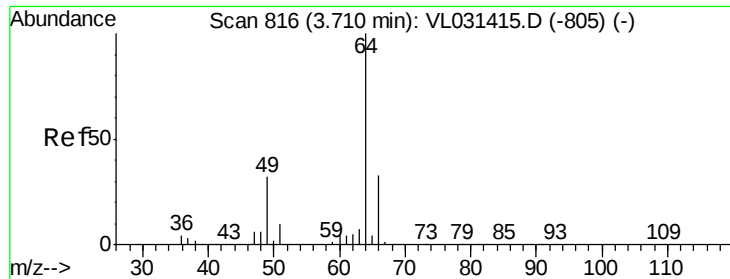
96 45.7 75.1 112.7#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.03 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

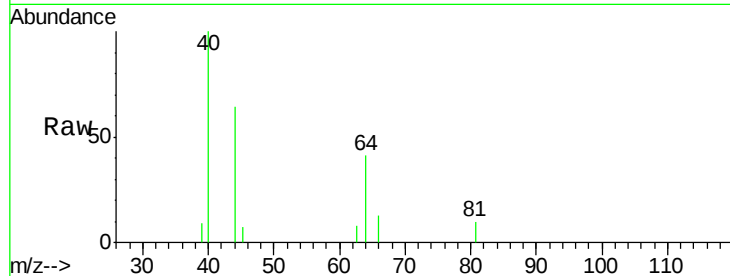
MDL-AIR-3

Tgt Ion: 64 Resp: 1014

Ion Ratio Lower Upper

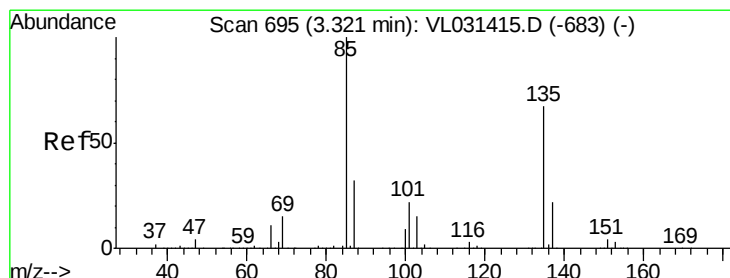
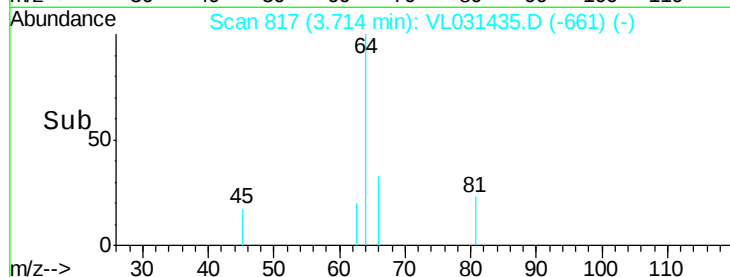
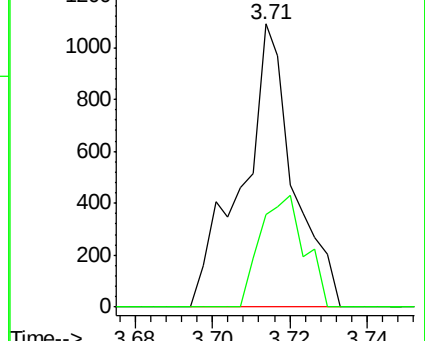
64 100

66 32.8 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: 0.04 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031435.D

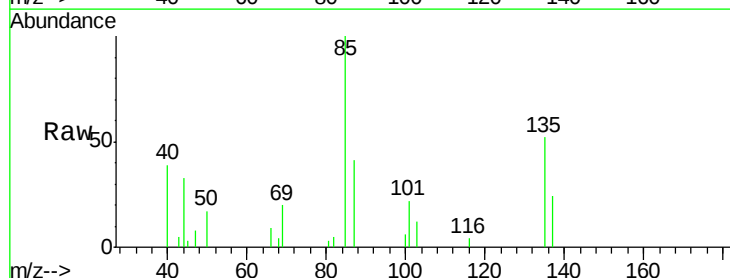
Acq: 23 Jan 2018 3:16

Tgt Ion: 85 Resp: 6829

Ion Ratio Lower Upper

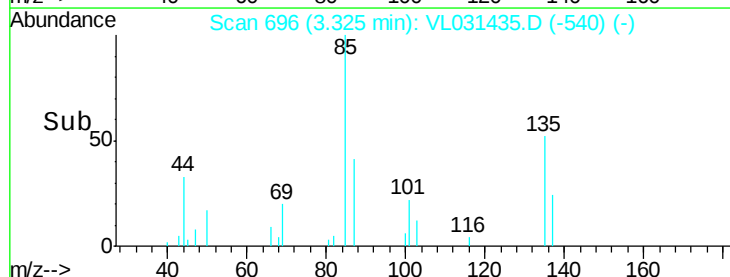
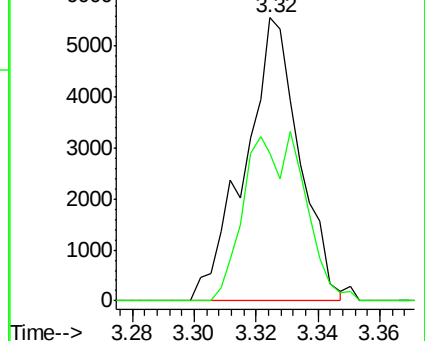
85 100

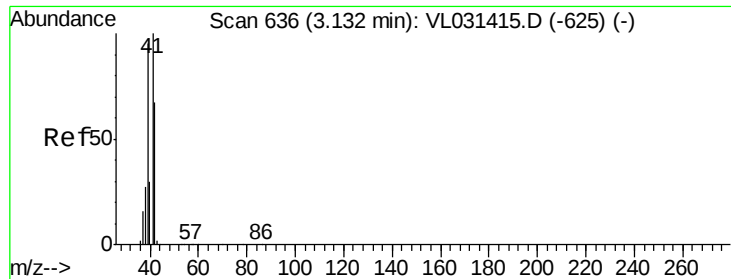
135 65.2 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.02 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

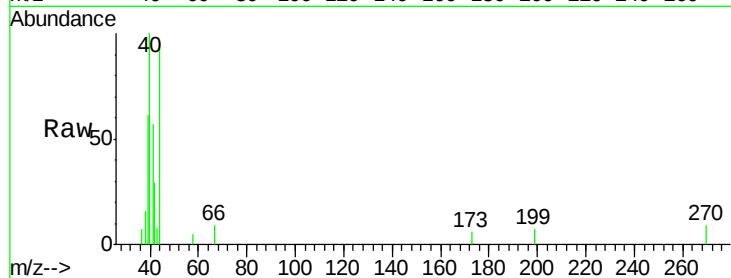
MDL-AIR-3

Tgt Ion: 41 Resp: 840

Ion Ratio Lower Upper

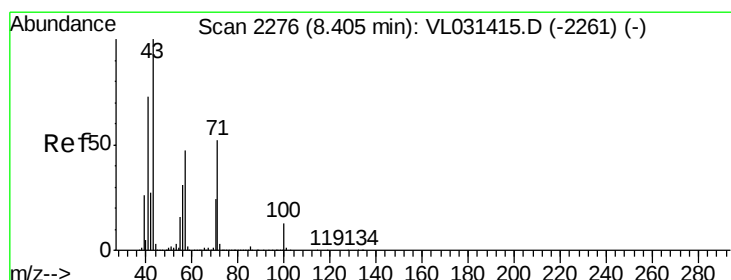
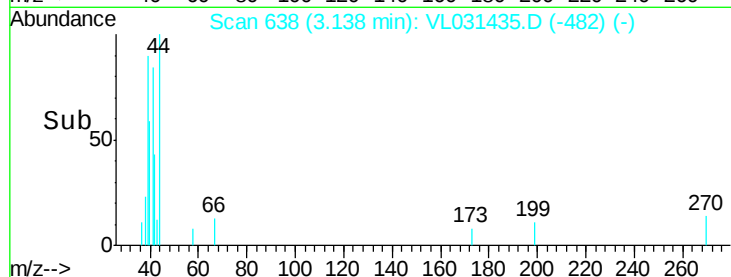
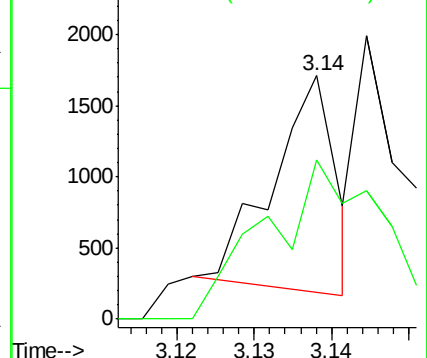
41 100

42 167.4 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: 0.01 ppbv

RT: 8.40 min Scan# 2274

Delta R.T. -0.01 min

Lab File: VL031435.D

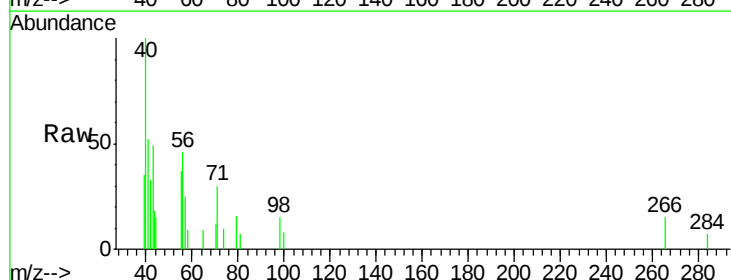
Acq: 23 Jan 2018 3:16

Tgt Ion: 43 Resp: 1050

Ion Ratio Lower Upper

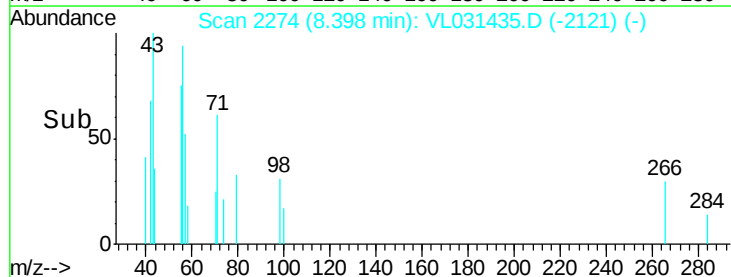
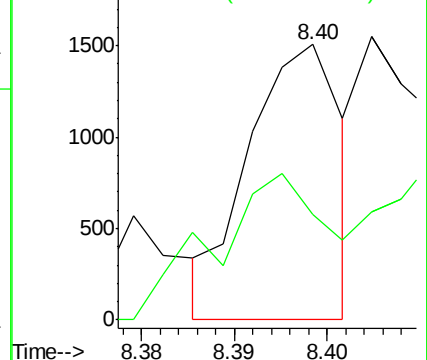
43 100

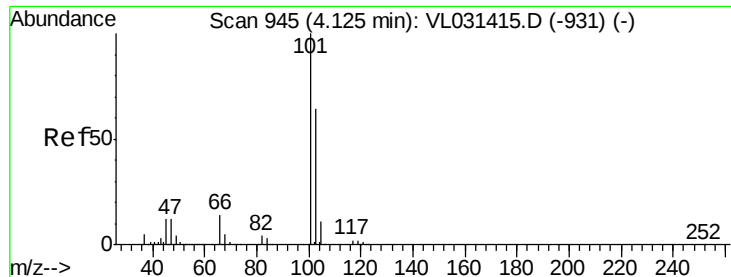
57 0.0 39.7 59.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.02 ppbv

RT: 4.13 min Scan# 946

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

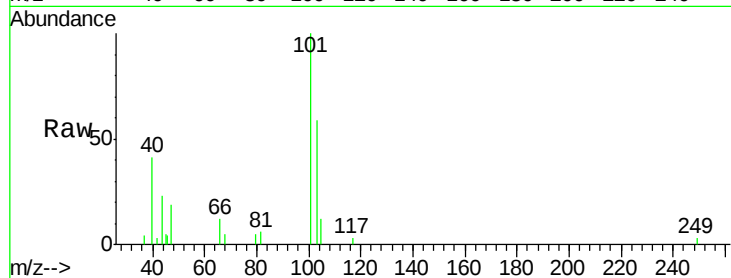
MDL-AIR-3

Tgt Ion:101 Resp: 5222

Ion Ratio Lower Upper

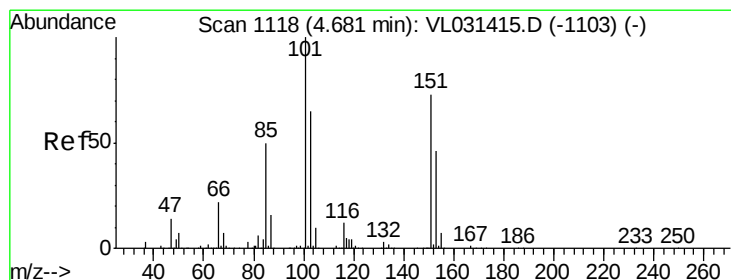
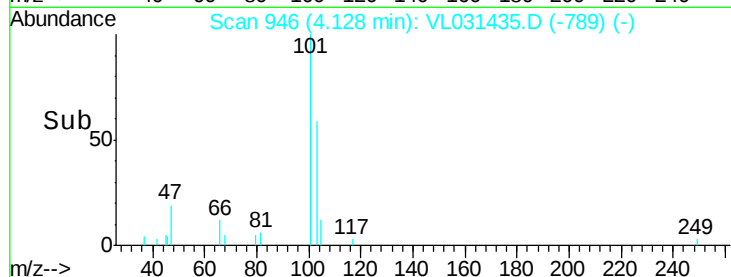
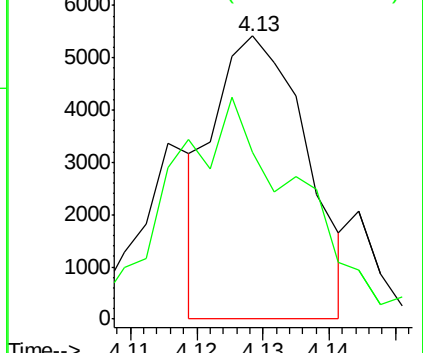
101 100

103 55.8 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.01 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL031435.D

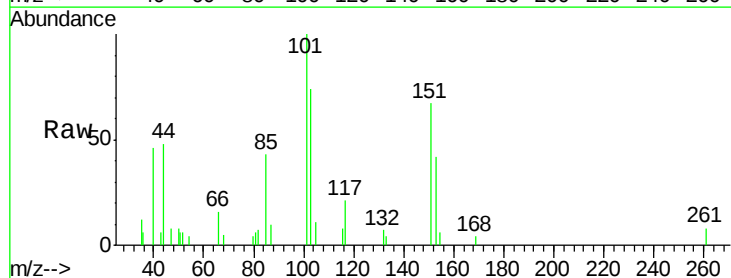
Acq: 23 Jan 2018 3:16

Tgt Ion:101 Resp: 1824

Ion Ratio Lower Upper

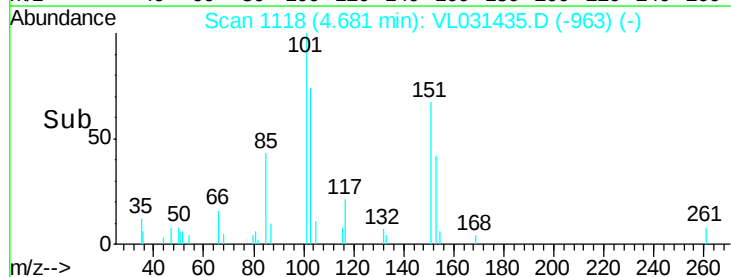
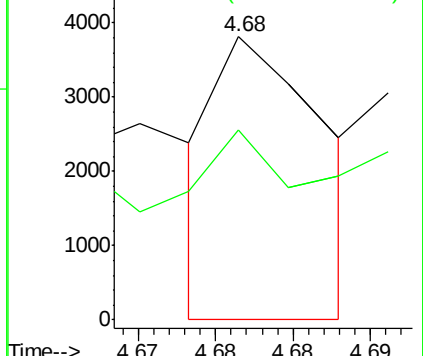
101 100

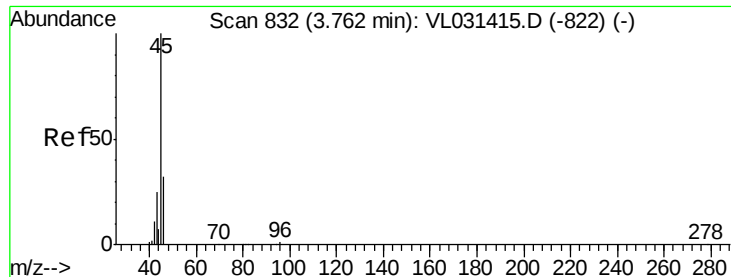
151 234.1 58.1 87.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.01 ppbv

RT: 3.75 min Scan# 829

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

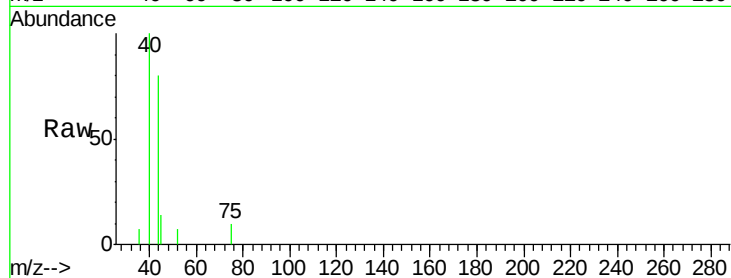
MDL-AIR-3

Tgt Ion: 45 Resp: 127

Ion Ratio Lower Upper

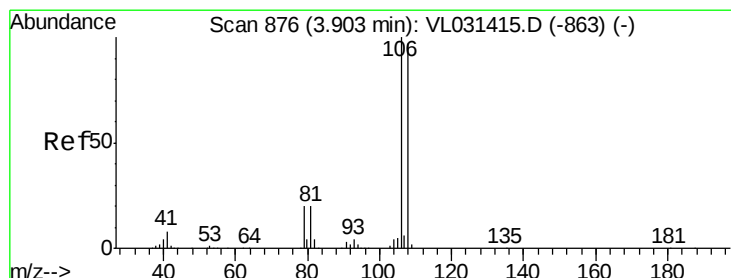
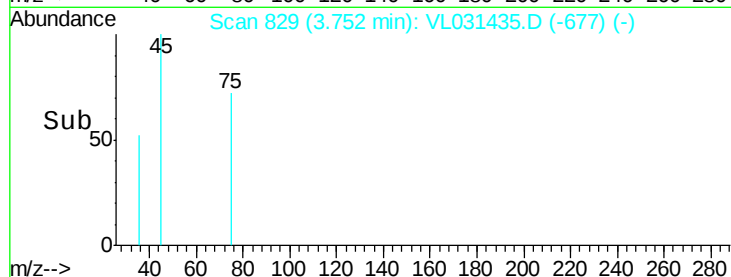
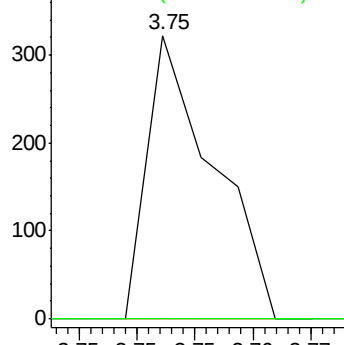
45 100

46 0.0 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: 0.01 ppbv

RT: 3.90 min Scan# 876

Delta R.T. -0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

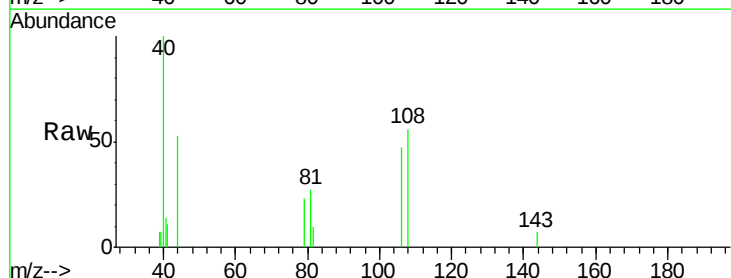
Tgt Ion: 108 Resp: 694

Ion Ratio Lower Upper

108 100

106 0.0 85.3 127.9#

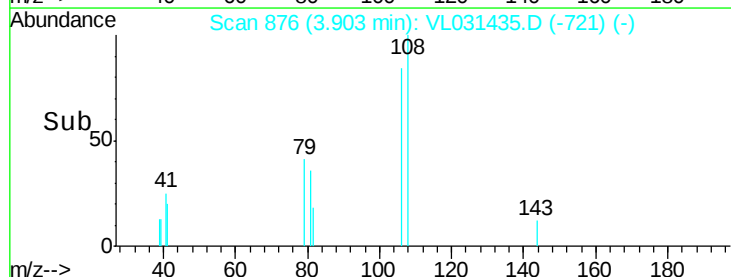
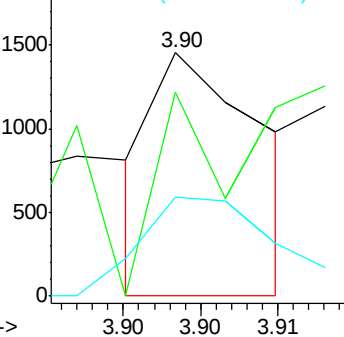
79 73.6 16.8 25.2#

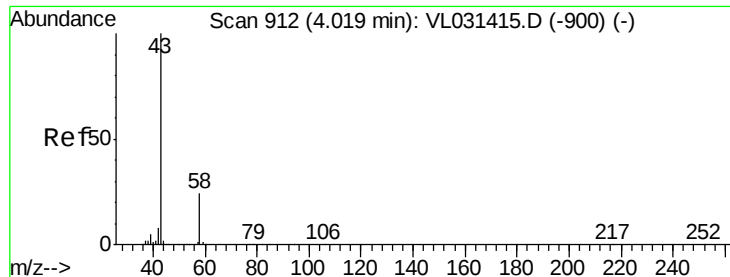


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.03 ppbv

RT: 4.05 min Scan# 922

Delta R.T. 0.03 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

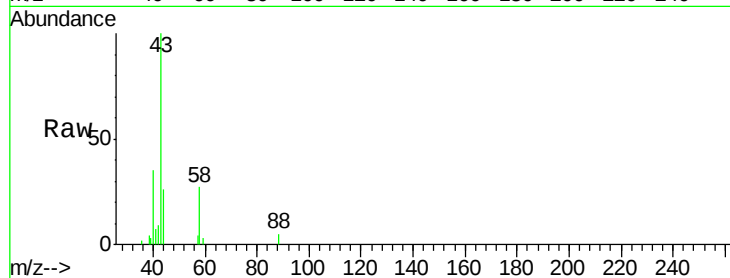
MDL-AIR-3

Tgt Ion: 43 Resp: 4991

Ion Ratio Lower Upper

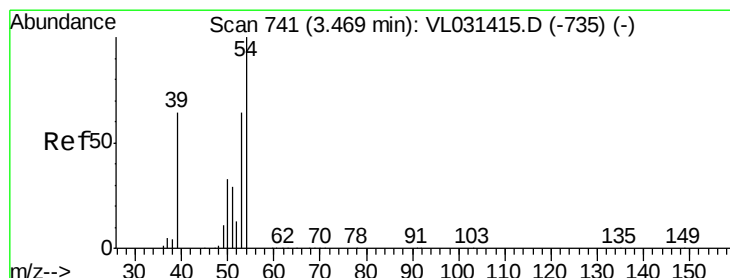
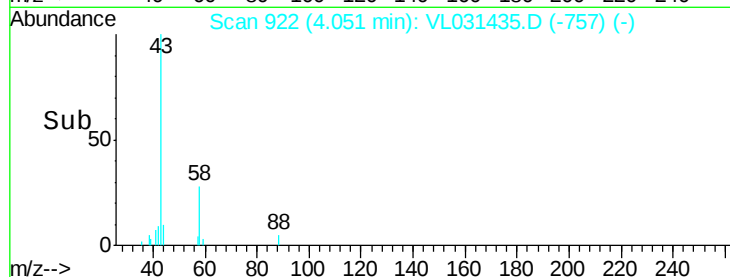
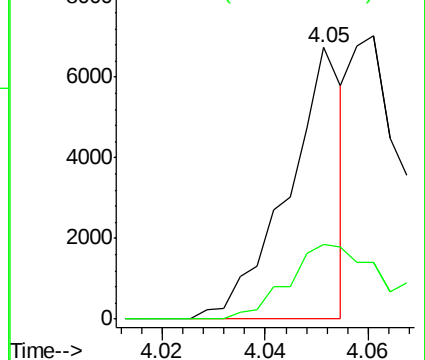
43 100

58 52.7 19.4 29.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.03 ppbv

RT: 3.48 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL031435.D

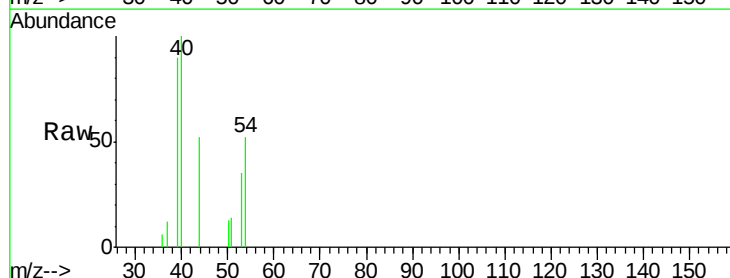
Acq: 23 Jan 2018 3:16

Tgt Ion: 39 Resp: 1700

Ion Ratio Lower Upper

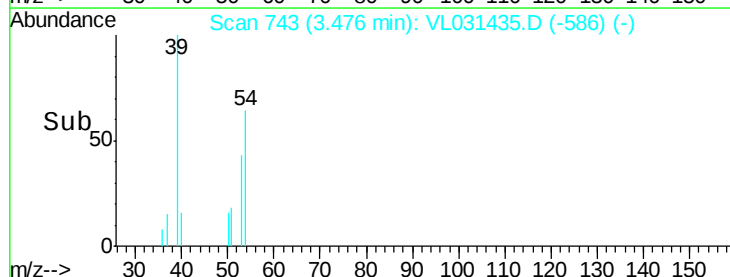
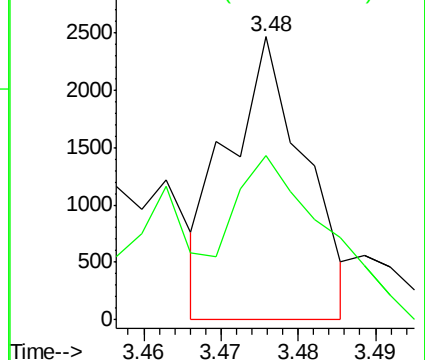
39 100

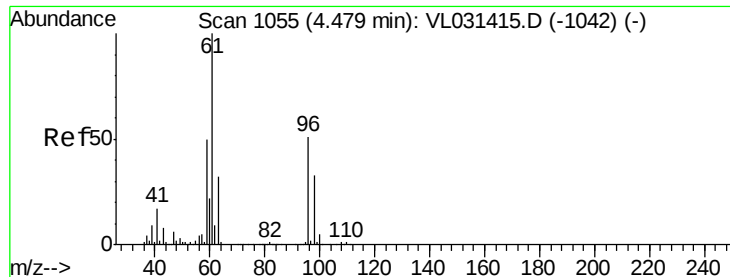
54 112.2 67.0 100.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

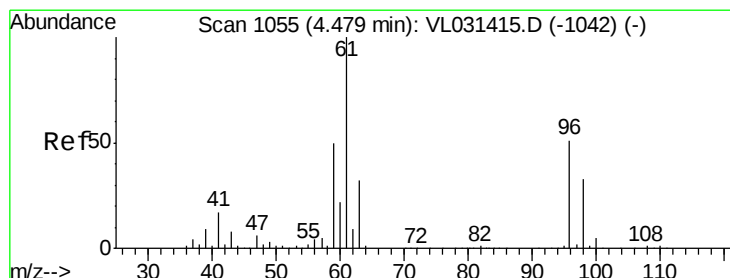
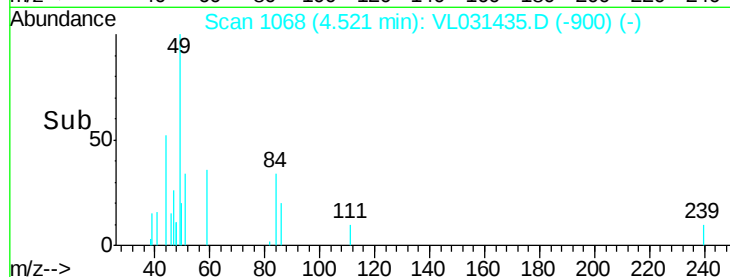
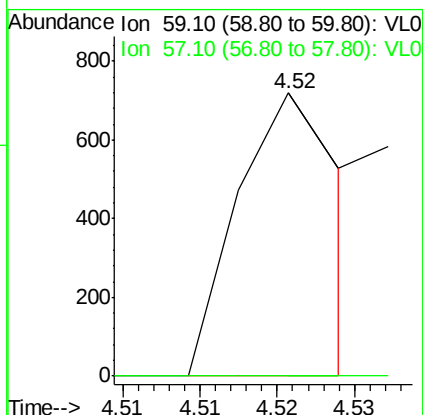
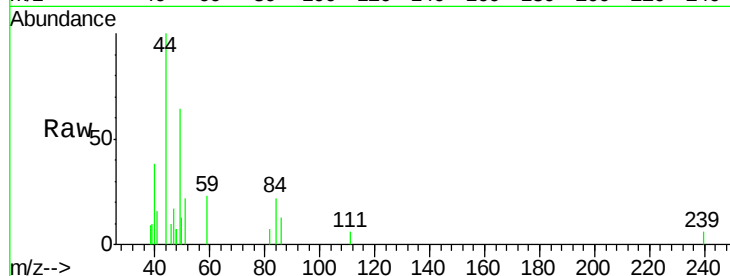




#17
 tert-Butyl alcohol
 Concen: 0.00 ppbv
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.04 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

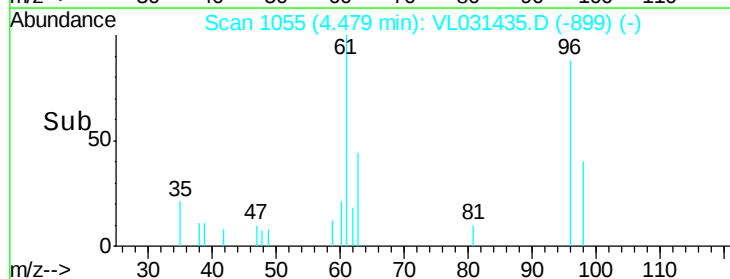
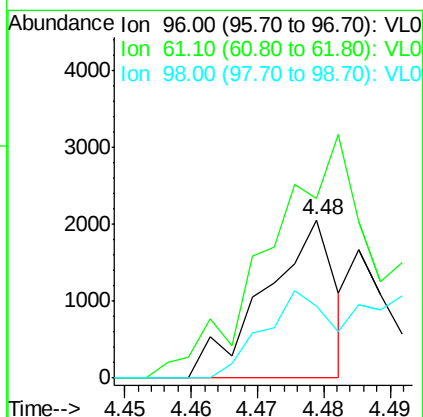
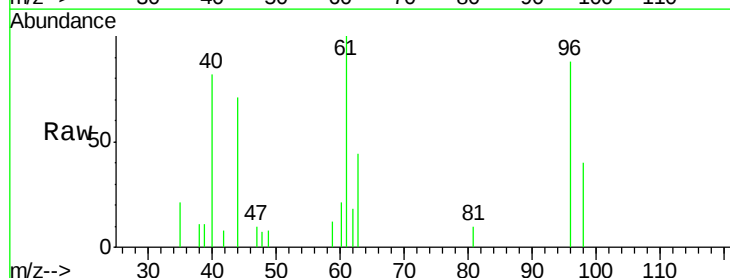
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

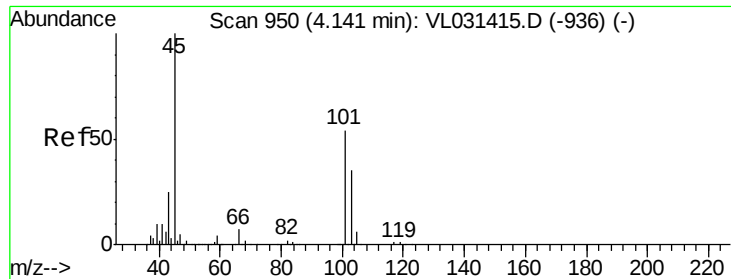
Tgt Ion: 59 Resp: 332
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#



#18
 1,1-Dichloroethene
 Concen: 0.02 ppbv
 RT: 4.48 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 96 Resp: 1493
 Ion Ratio Lower Upper
 96 100
 61 99.8 161.6 242.4#
 98 45.4 49.6 74.4#





#19

Isopropyl Alcohol

Concen: 0.00 ppbv

RT: 4.14 min Scan# 949

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampled :

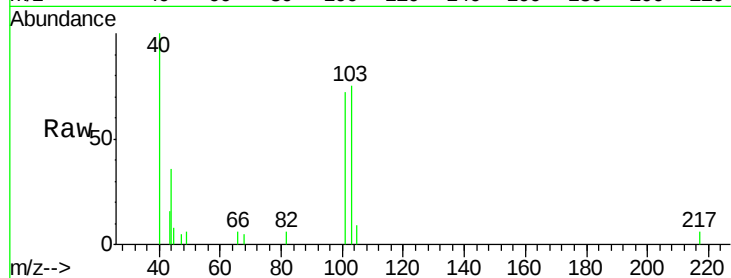
MDL-AIR-3

Tgt Ion: 45 Resp: 82

Ion Ratio Lower Upper

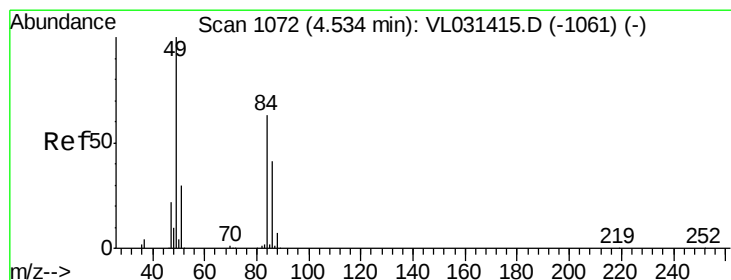
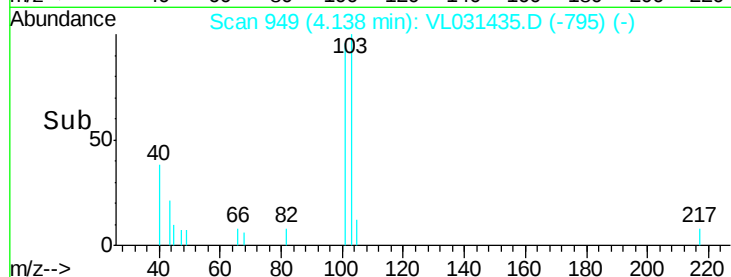
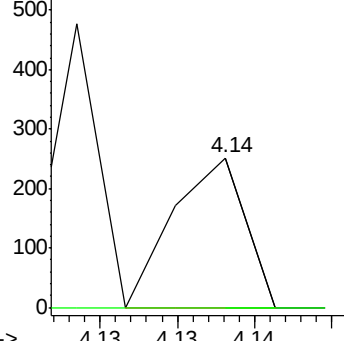
45 100

58 0.0 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: 0.03 ppbv

RT: 4.53 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Tgt Ion: 84 Resp: 1964

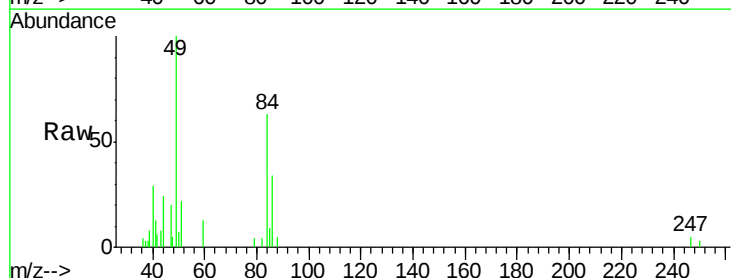
Ion Ratio Lower Upper

84 100

49 175.9 123.4 185.0

51 28.9 35.6 53.4#

86 55.3 49.4 74.2

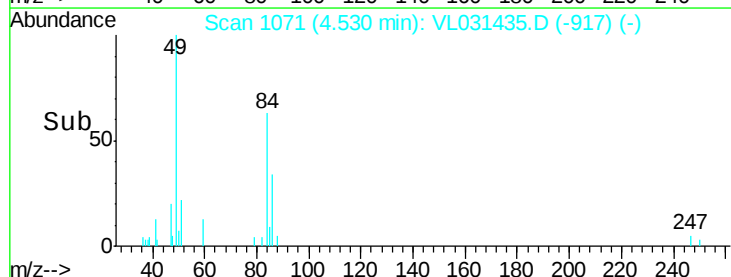
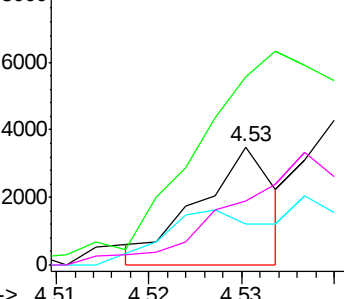


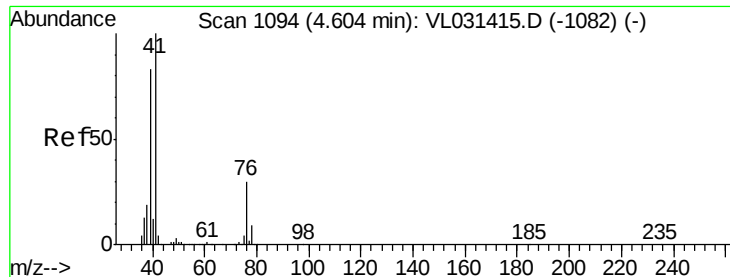
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

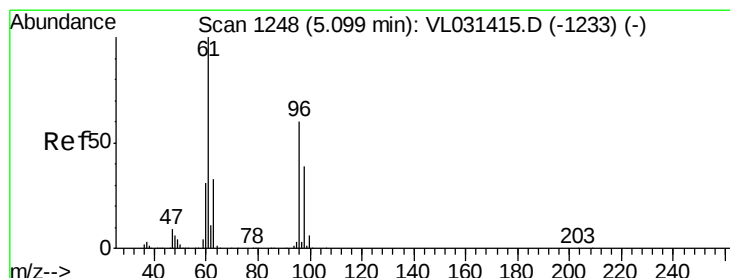
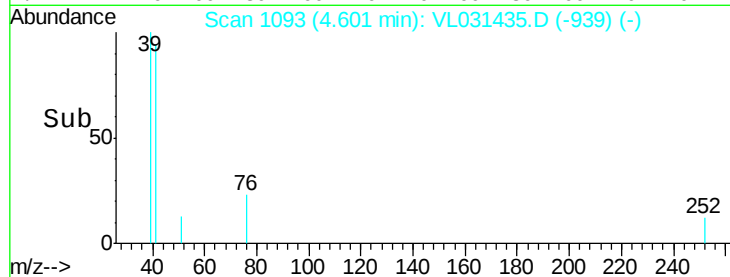
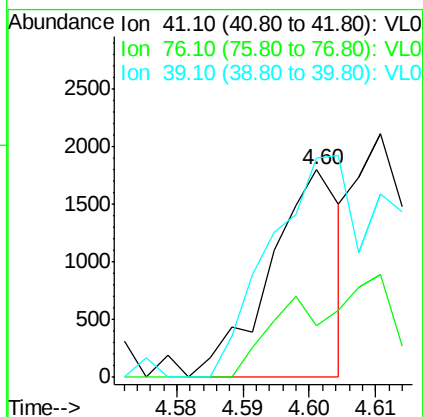
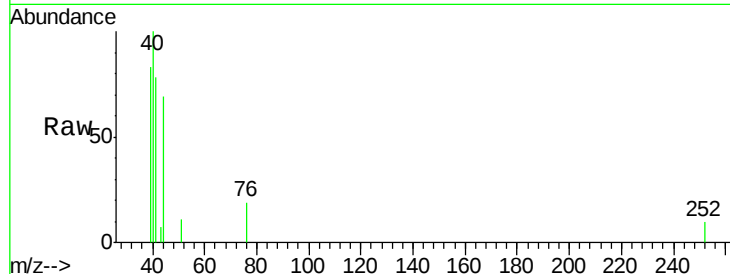




#21
 Allyl Chloride
 Concen: 0.01 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

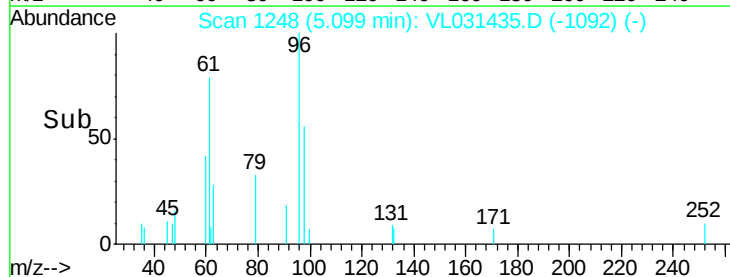
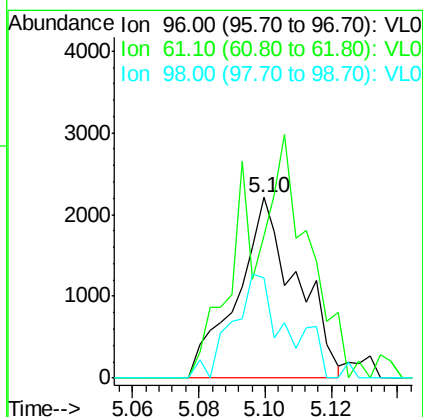
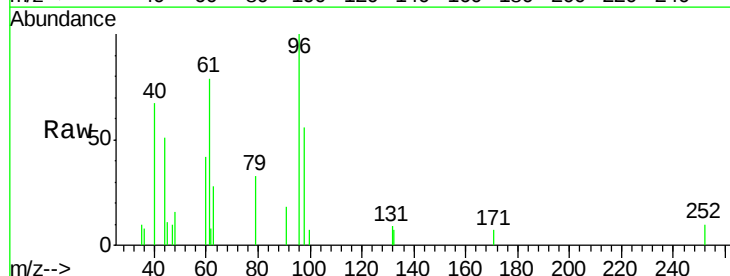
Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-3

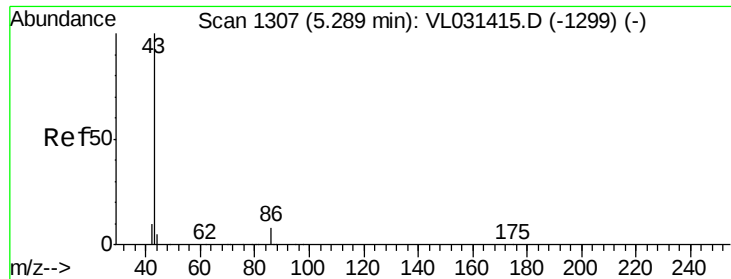
Tgt Ion: 41 Resp: 1330
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.2 36.2#
 39 260.8 69.8 104.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.04 ppbv
 RT: 5.10 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 96 Resp: 2762
 Ion Ratio Lower Upper
 96 100
 61 86.2 135.0 202.4#
 98 55.7 52.2 78.2

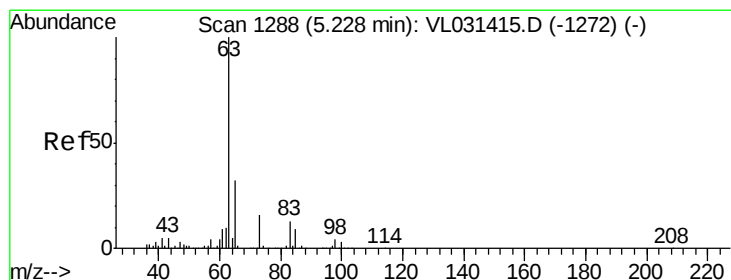
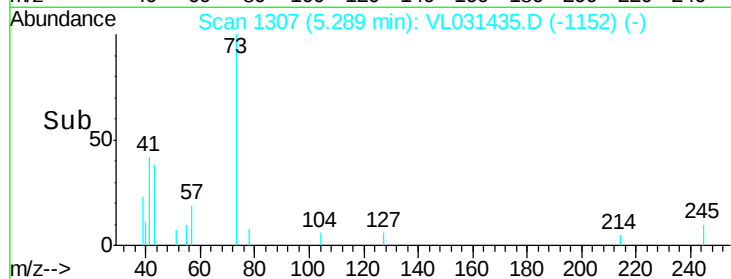
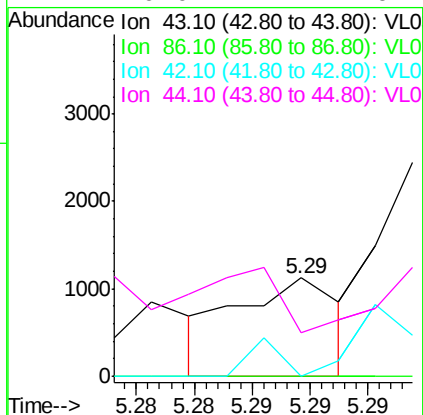
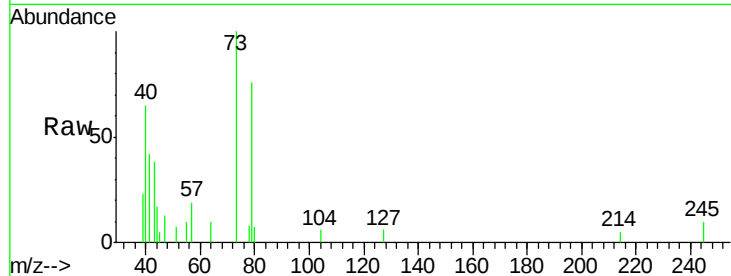




#23
 Vinyl Acetate
 Concen: 0.00 ppbv
 RT: 5.29 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

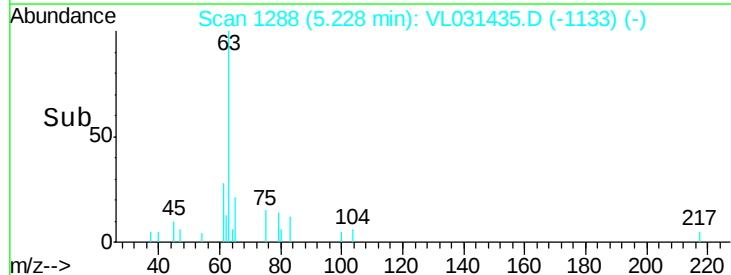
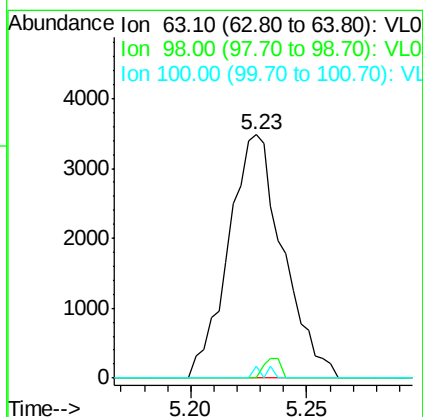
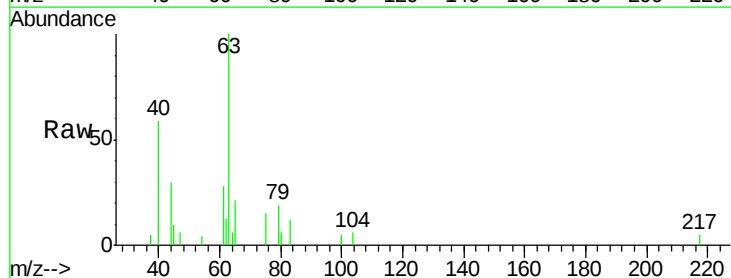
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

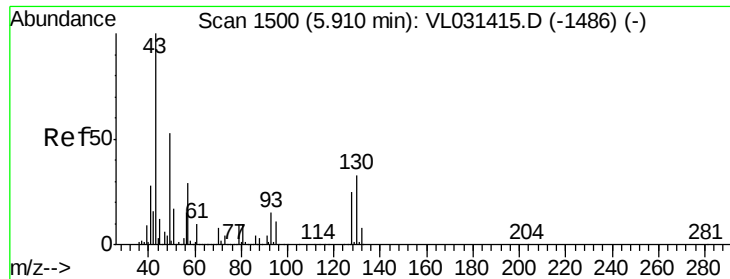
Tgt Ion:	43	Resp:	692
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	0.0	8.6	12.8#
44	0.0	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.03 ppbv
 RT: 5.23 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion:	63	Resp:	5675
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.1#
100	5.1	1.3	3.9#

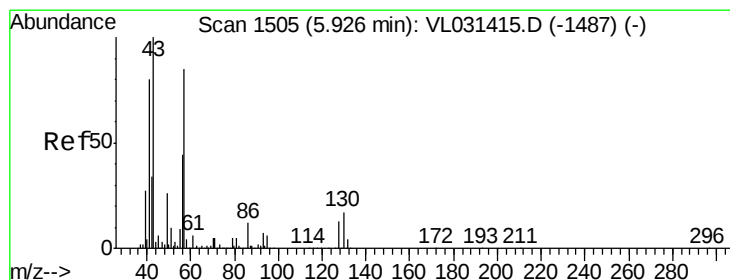
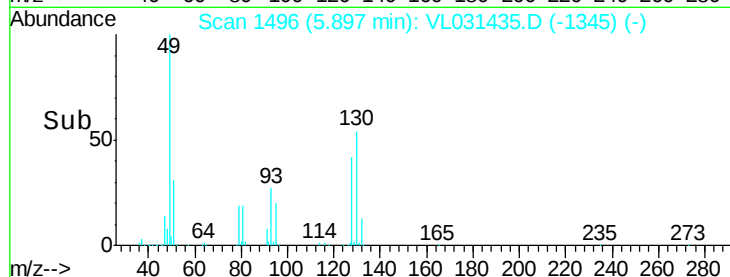
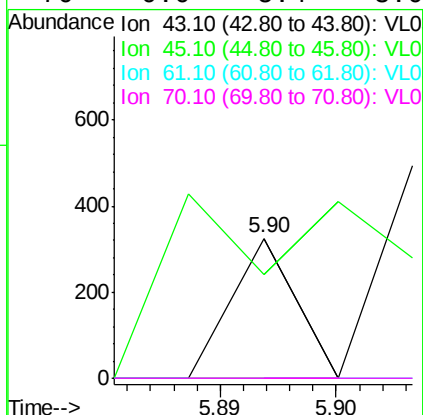
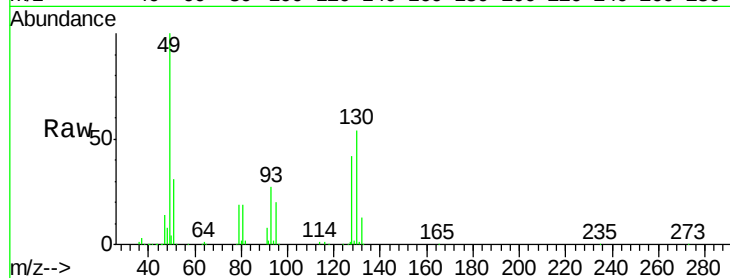




#25
Ethyl Acetate
Concen: 0.00 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.02 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

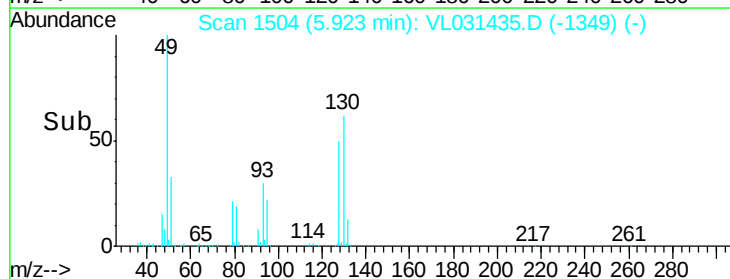
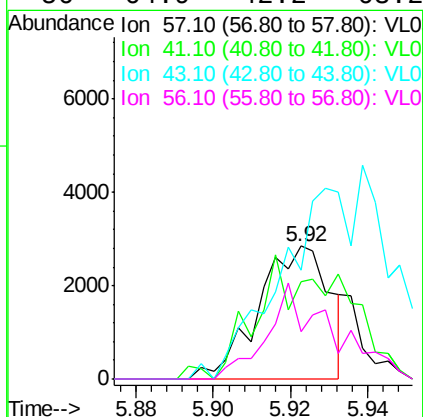
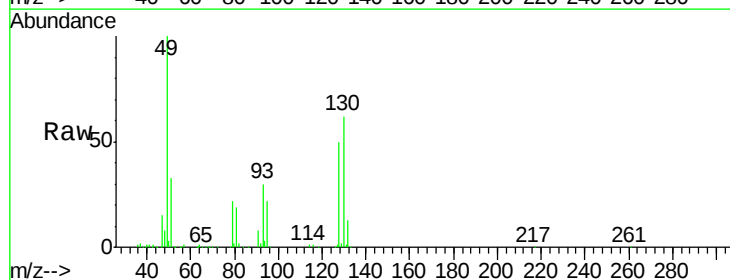
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-3

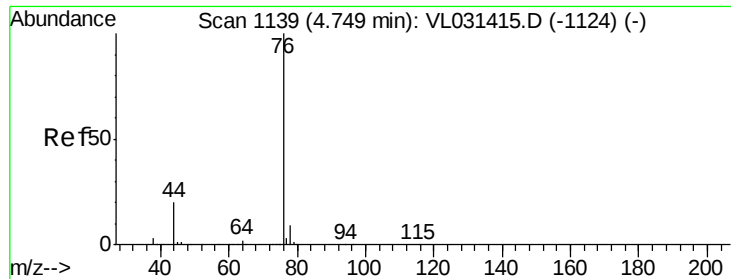
Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
45	696.8	7.8	11.6#
61	0.0	7.0	10.6#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.03 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion:	57	Resp:	3659
Ion	Ratio	Lower	Upper
57	100		
41	114.0	77.1	115.7
43	247.9	180.7	271.1
56	64.9	42.2	63.2#

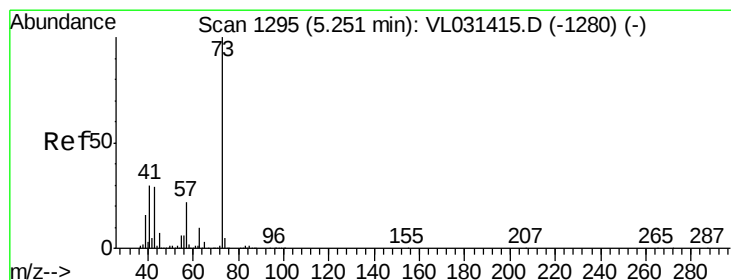
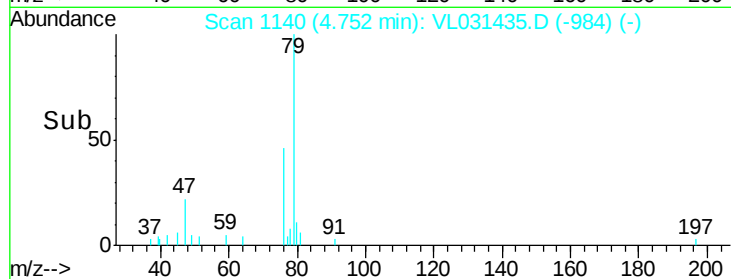
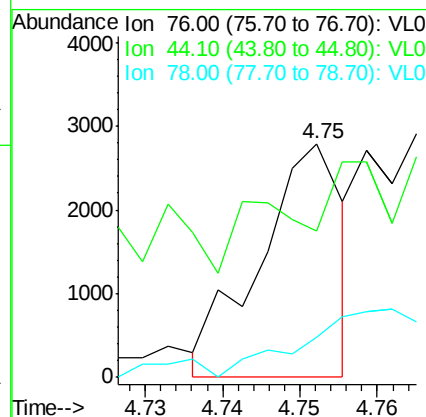
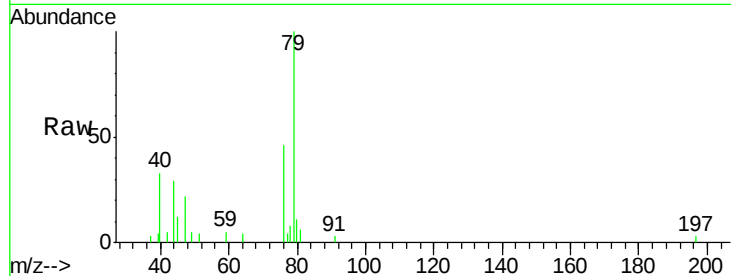




#27
Carbon Disulfide
Concen: 0.01 ppbv
RT: 4.75 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

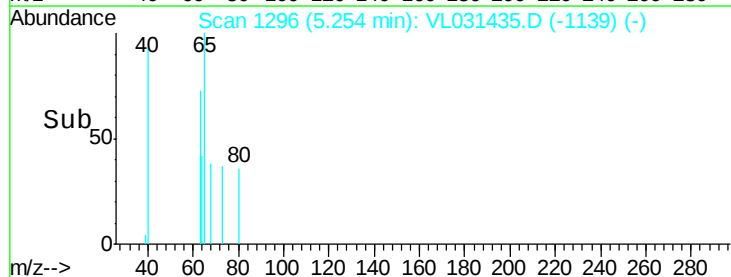
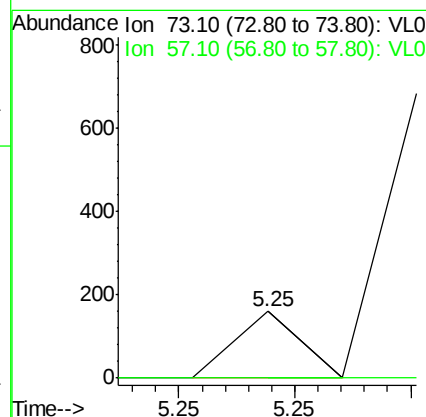
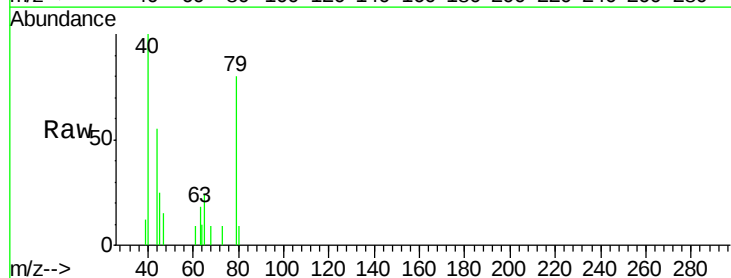
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-3

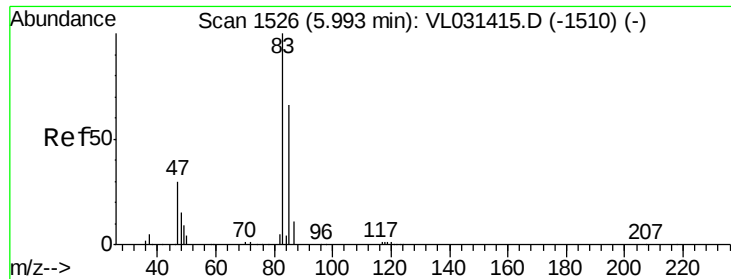
Tgt Ion: 76 Resp: 2081
Ion Ratio Lower Upper
76 100
44 0.0 16.7 25.1#
78 0.0 7.5 11.3#



#28
Methyl tert-Butyl Ether
Concen: 0.00 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion: 73 Resp: 30
Ion Ratio Lower Upper
73 100
57 0.0 17.5 26.3#

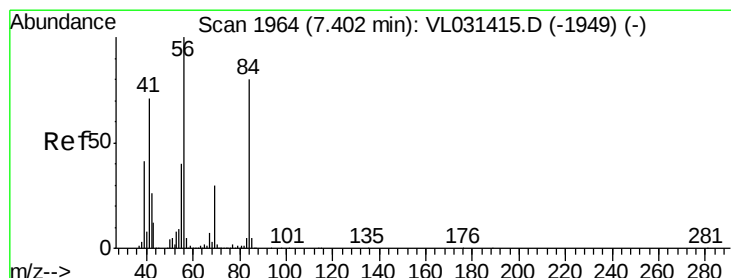
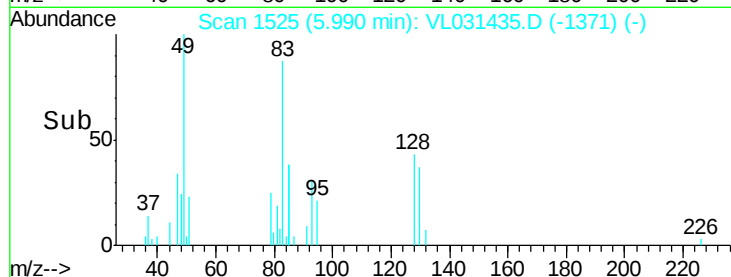
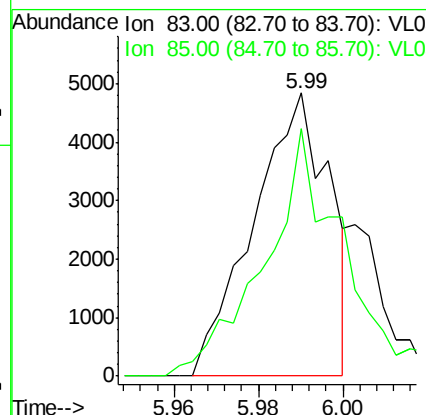
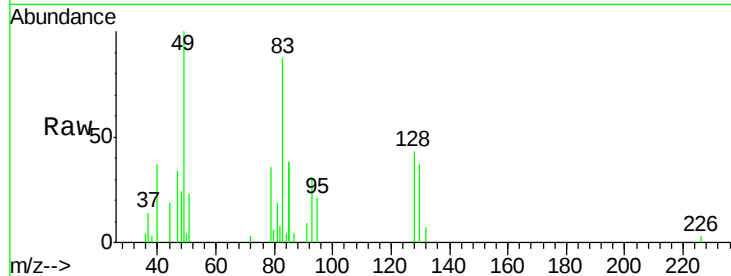




#29
Chloroform
Concen: 0.03 ppbv
RT: 5.99 min Scan# 1525
Delta R.T. -0.01 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

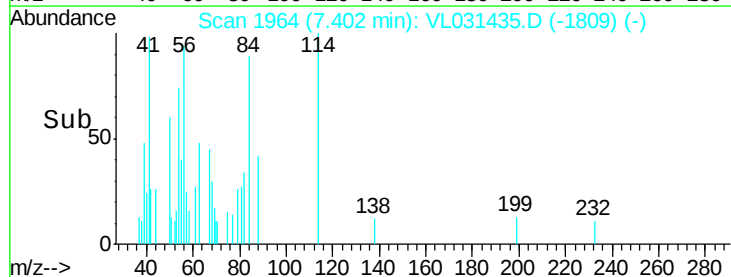
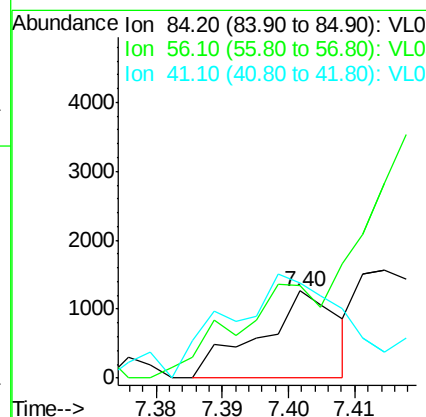
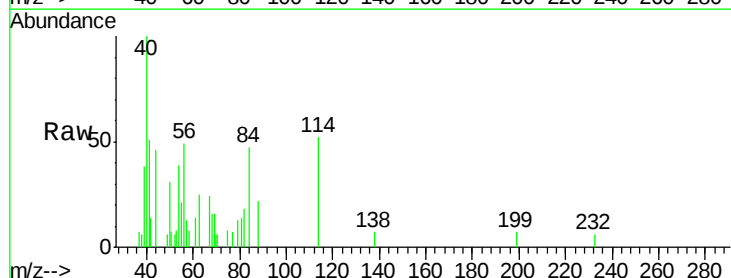
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-3

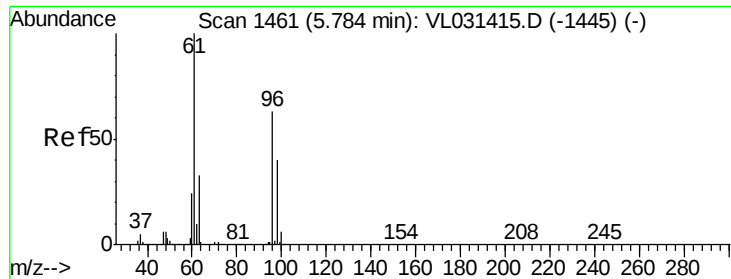
Tgt Ion: 83 Resp: 6049
Ion Ratio Lower Upper
83 100
85 82.3 51.3 76.9#



#30
Cyclohexane
Concen: 0.01 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.00 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion: 84 Resp: 1036
Ion Ratio Lower Upper
84 100
56 0.0 109.0 163.4#
41 298.9 73.3 109.9#

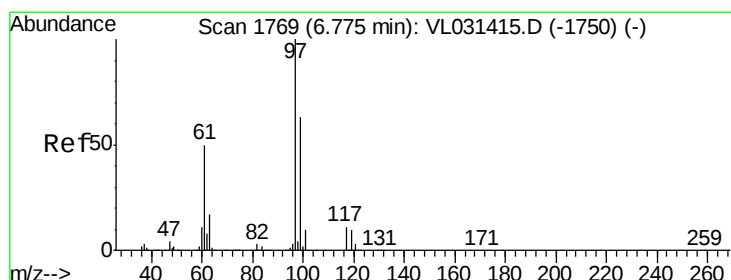
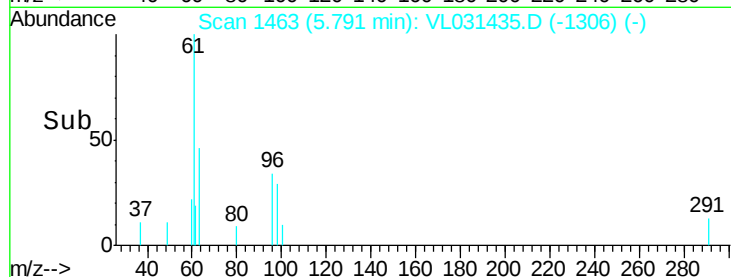
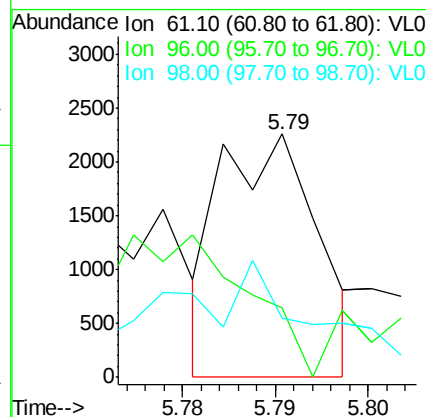
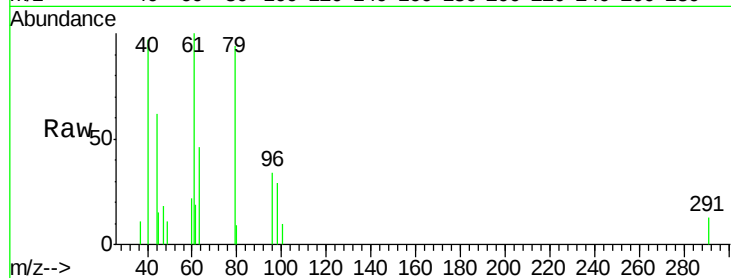




#31
 cis-1,2-Dichloroethene
 Concen: 0.01 ppbv
 RT: 5.79 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

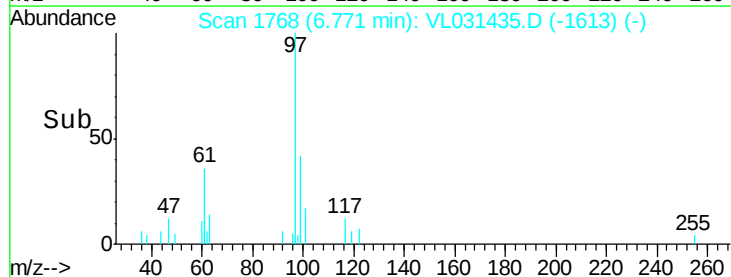
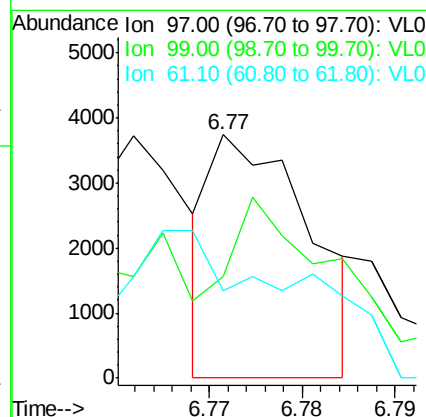
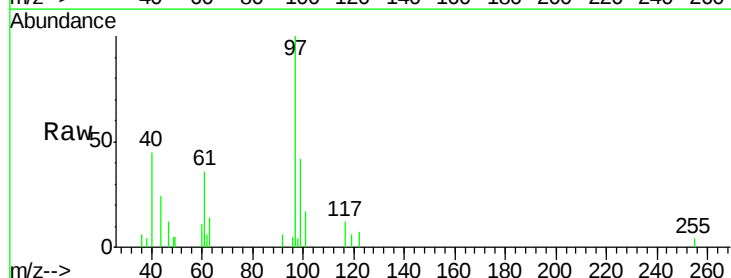
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

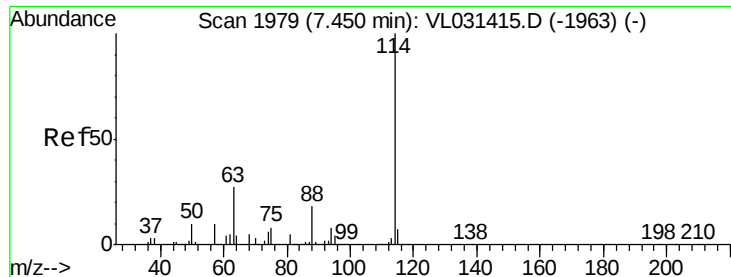
Tgt Ion: 61 Resp: 1632
 Ion Ratio Lower Upper
 61 100
 96 2.1 51.3 76.9#
 98 3.4 33.6 50.4#



#32
 1,1,1-Trichloroethane
 Concen: 0.01 ppbv
 RT: 6.77 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 97 Resp: 2762
 Ion Ratio Lower Upper
 97 100
 99 159.3 51.9 77.9#
 61 0.0 40.6 61.0#

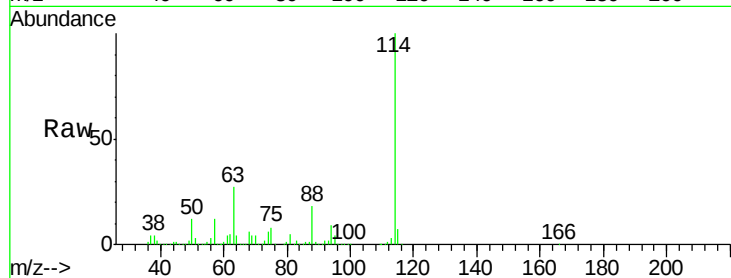




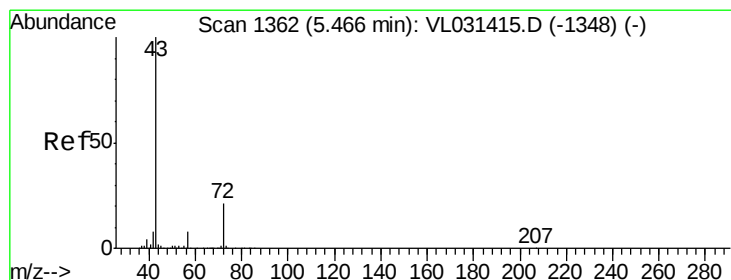
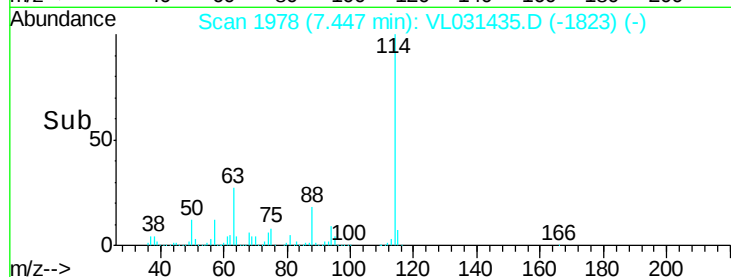
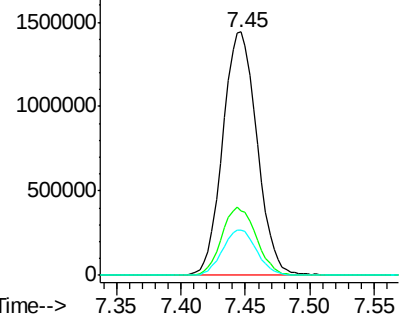
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

Tgt Ion: 114 Resp: 2669530
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.5 33.7
 88 18.6 14.6 22.0

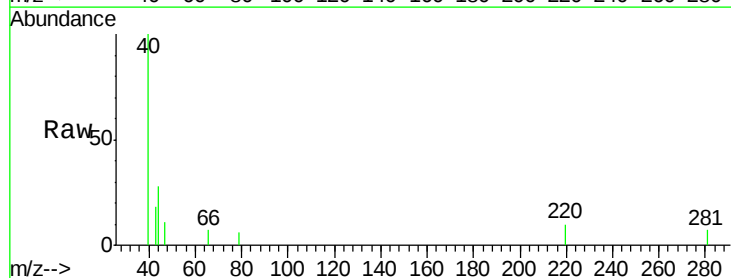


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

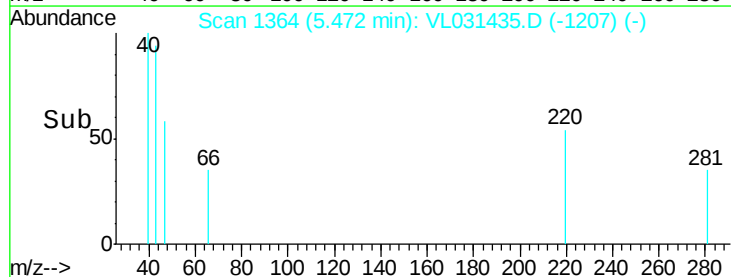
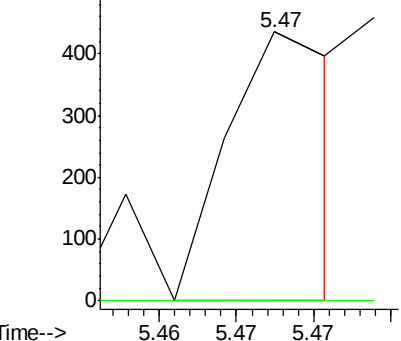


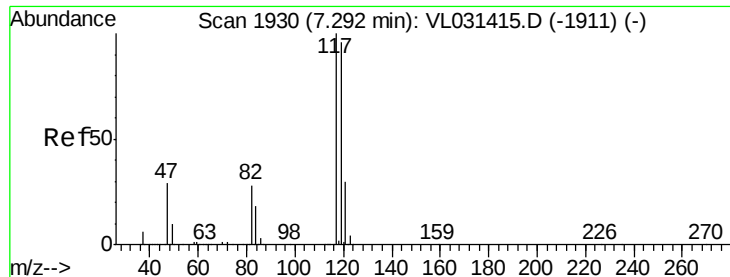
#34
 2-Butanone
 Concen: 0.00 ppbv
 RT: 5.47 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 43 Resp: 212
 Ion Ratio Lower Upper
 43 100
 72 0.0 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: 0.01 ppbv

RT: 7.29 min Scan# 1928

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

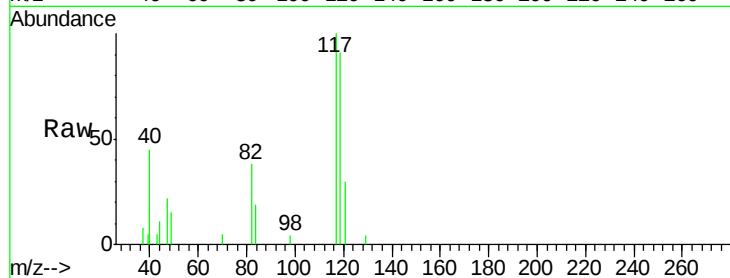
Tgt Ion:117 Resp: 1995

Ion Ratio Lower Upper

117 100

119 54.4 74.2 111.4#

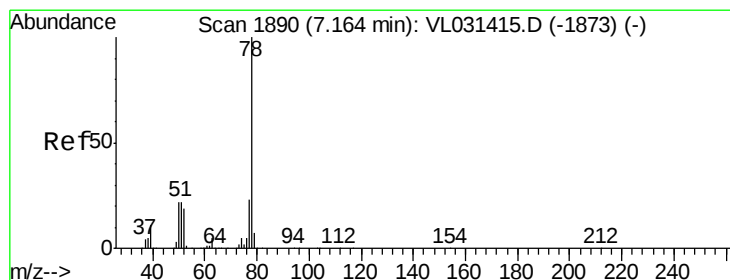
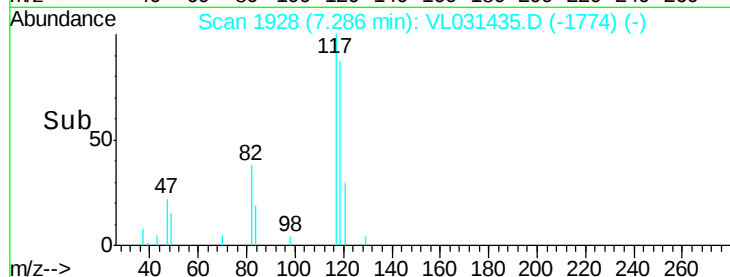
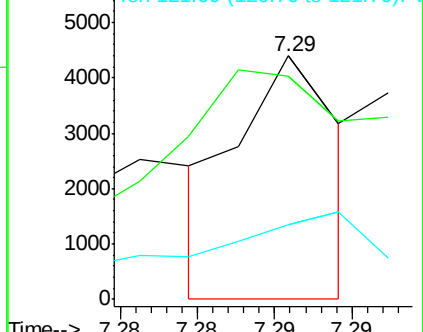
121 28.3 24.2 36.4



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: 0.01 ppbv

RT: 7.16 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

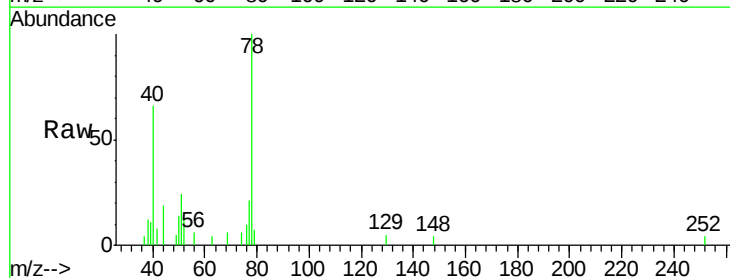
Tgt Ion: 78 Resp: 3282

Ion Ratio Lower Upper

78 100

77 8.1 18.7 28.1#

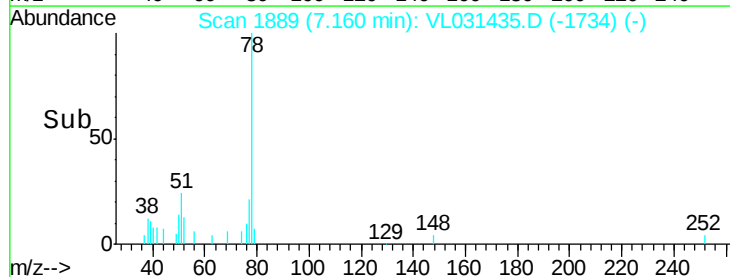
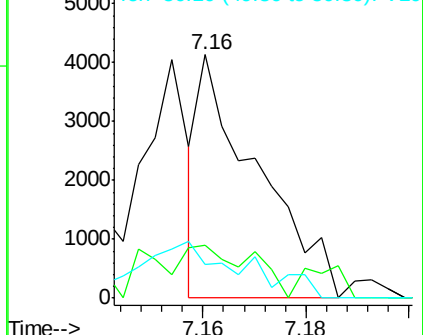
50 13.7 18.4 27.6#

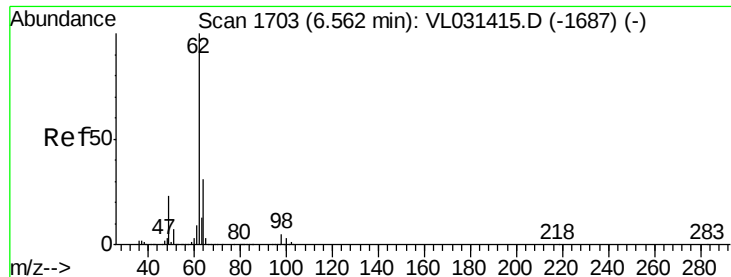


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.01 ppbv

RT: 6.57 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

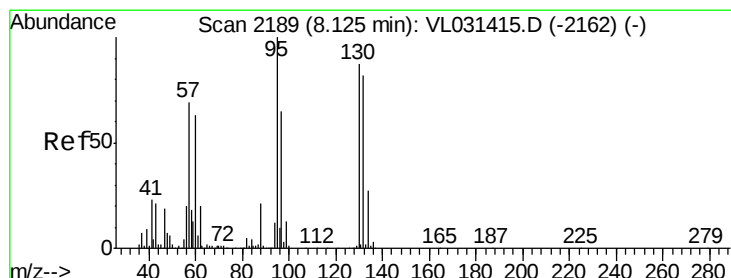
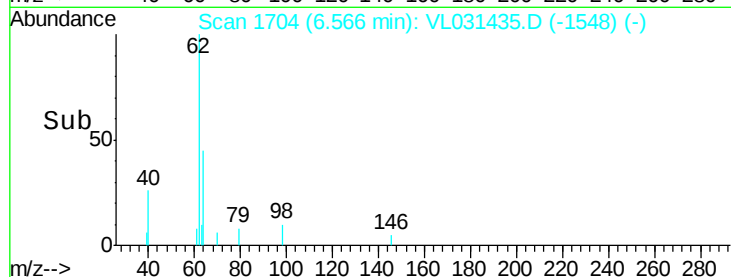
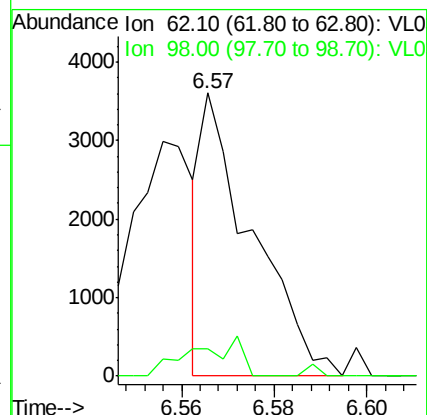
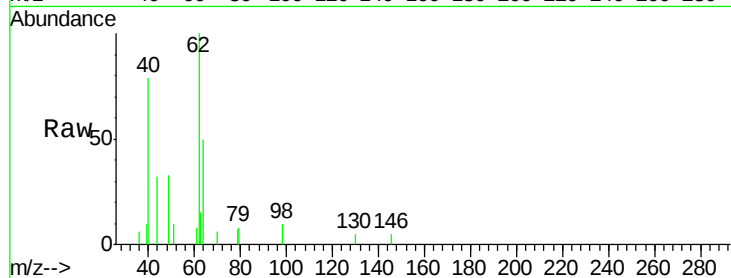
MDL-AIR-3

Tgt Ion: 62 Resp: 2700

Ion Ratio Lower Upper

62 100

98 13.2 4.1 6.1#



#38

Trichloroethene

Concen: 0.03 ppbv

RT: 8.12 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Tgt Ion: 130 Resp: 2666

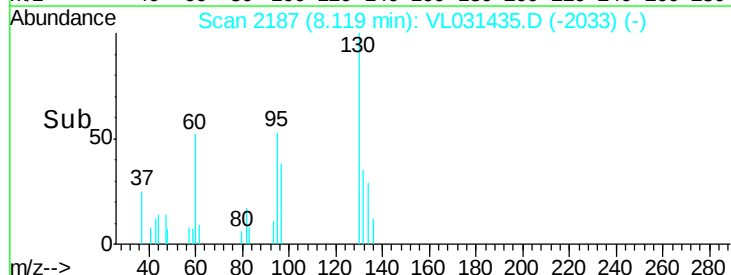
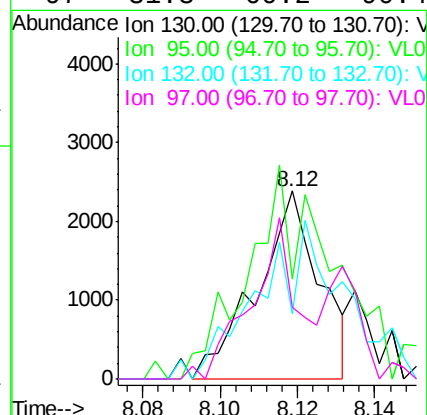
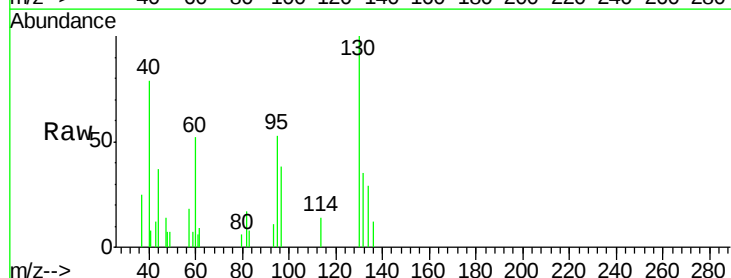
Ion Ratio Lower Upper

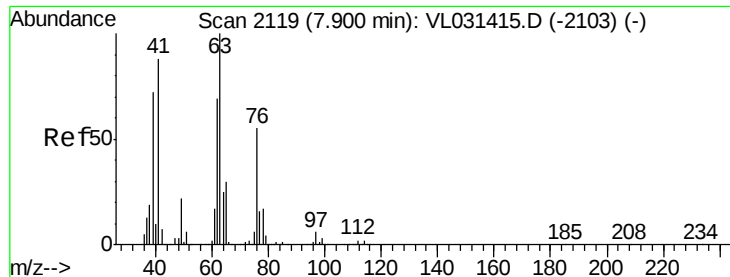
130 100

95 39.5 92.9 139.3#

132 34.8 74.9 112.3#

97 31.3 60.2 90.4#

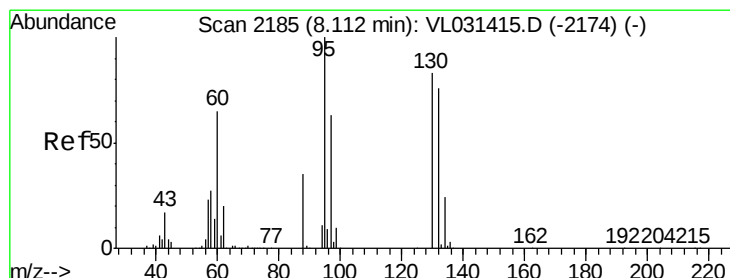
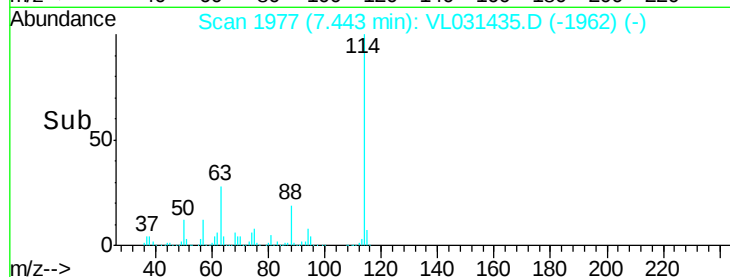
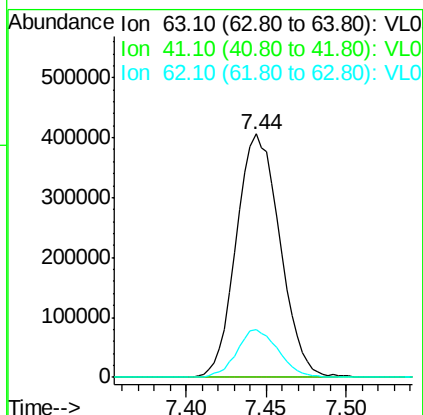
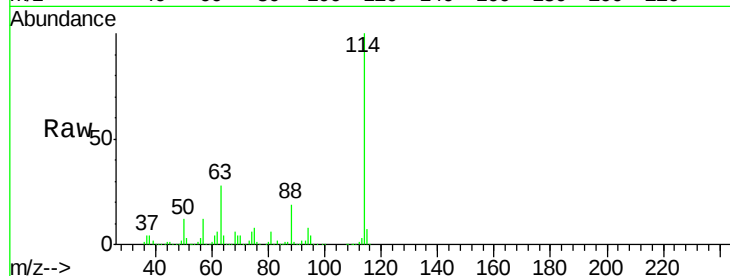




#39
 1,2-Dichloropropane
 Concen: 8.44 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.45 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

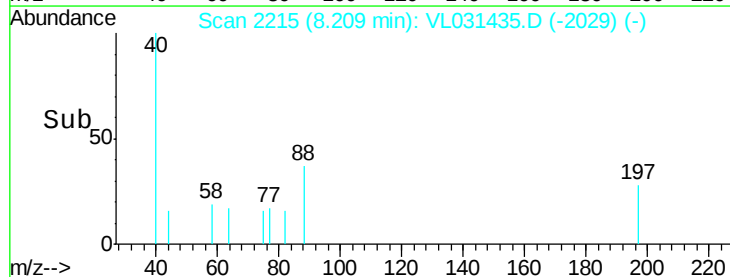
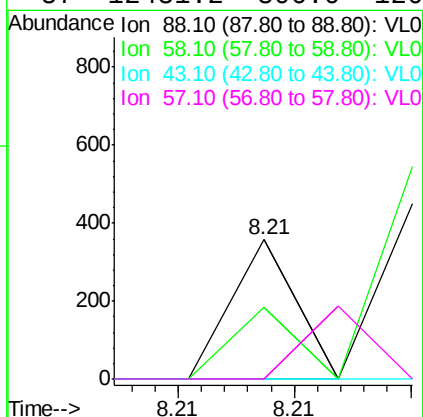
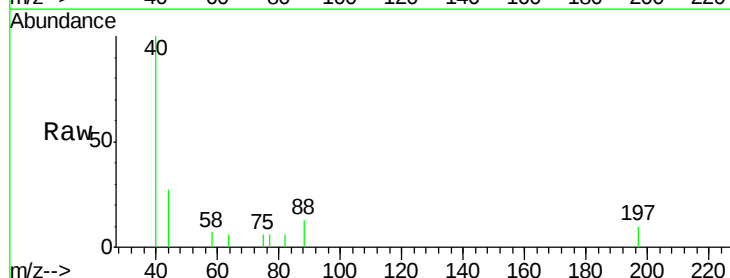
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

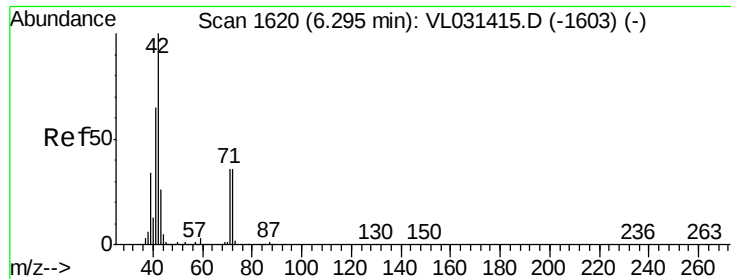
Tgt Ion: 63 Resp: 752009
 Ion Ratio Lower Upper
 63 100
 41 0.1 67.6 101.4#
 62 19.6 51.8 77.6#



#40
 1,4-Dioxane
 Concen: 0.00 ppbv
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.10 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 88 Resp: 69
 Ion Ratio Lower Upper
 88 100
 58 204.3 98.2 147.2#
 43 3042.0 197.3 295.9#
 57 12481.2 806.0 1209.0#

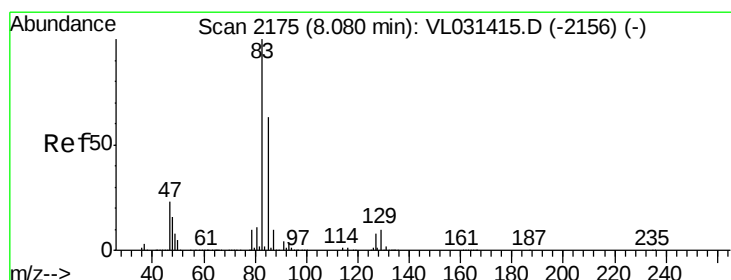
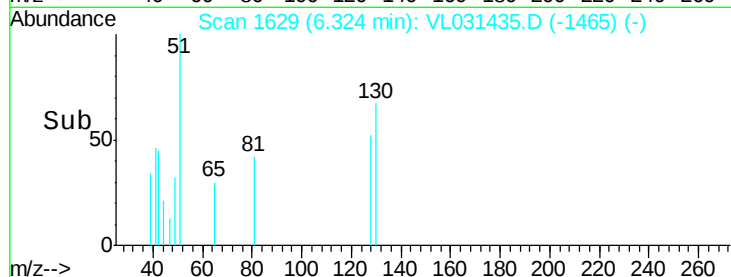
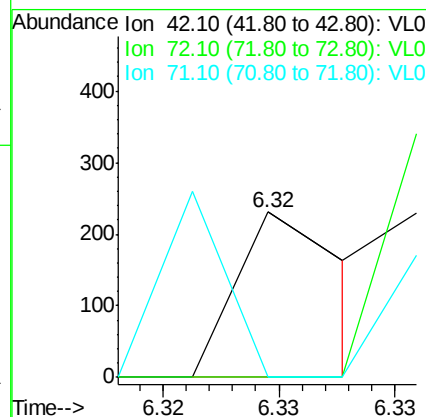
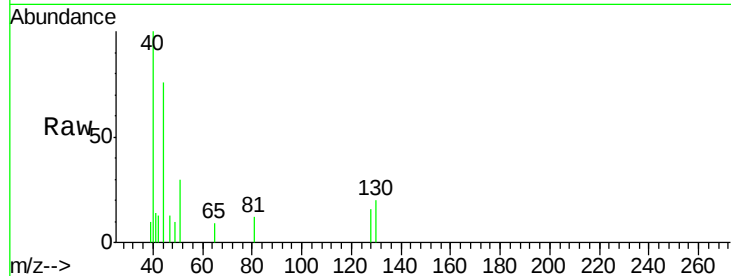




#41
Tetrahydrofuran
Concen: 0.00 ppbv
RT: 6.32 min Scan# 1629
Delta R.T. 0.03 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

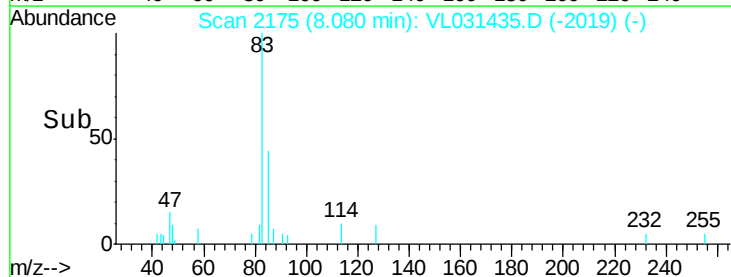
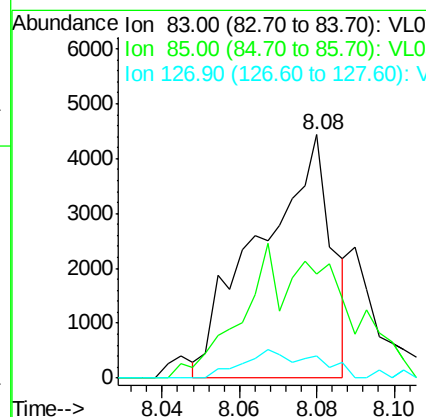
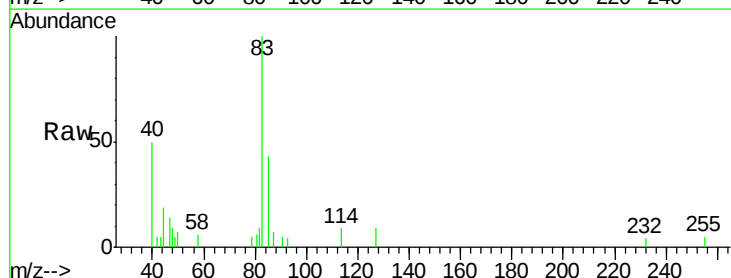
Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-3

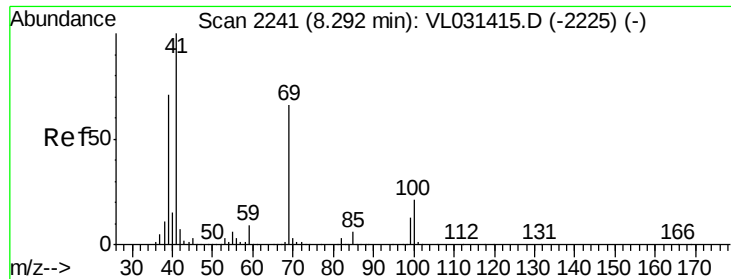
Tgt Ion: 42 Resp: 76
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 88.2 29.2 43.8#



#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion: 83 Resp: 5779
Ion Ratio Lower Upper
83 100
85 40.9 52.1 78.1#
127 9.5 6.6 10.0

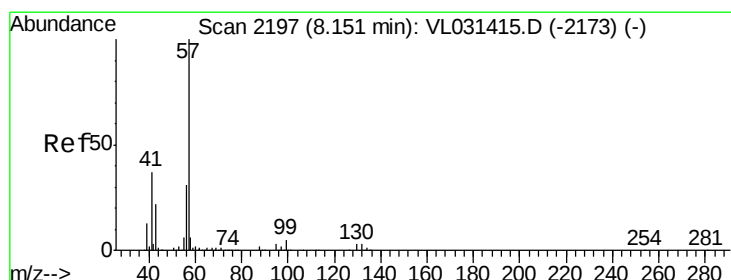
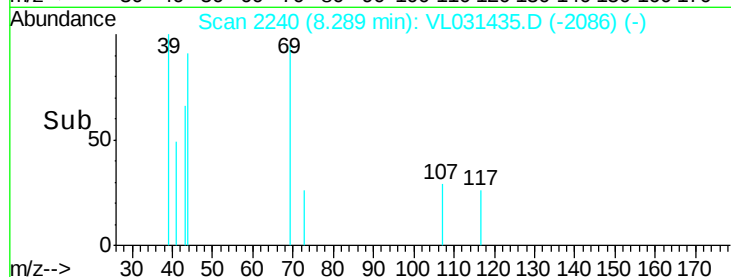
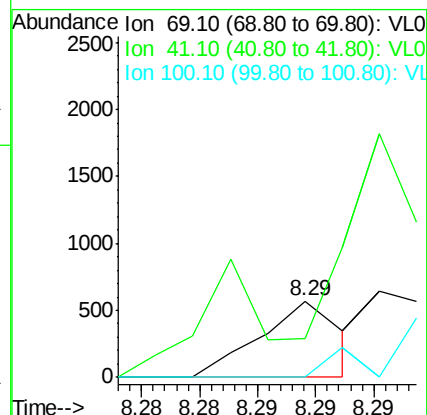
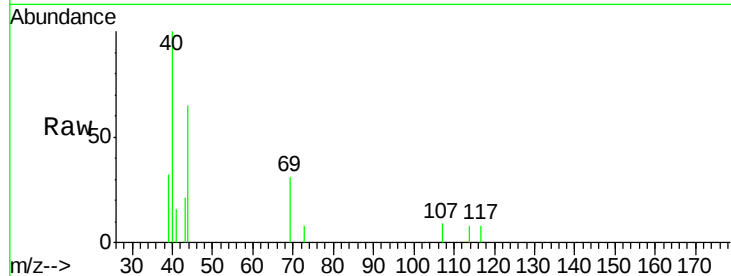




#43
Methyl Methacrylate
Concen: 0.00 ppbv
RT: 8.29 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

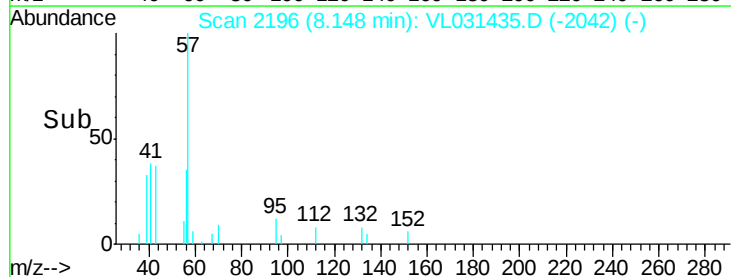
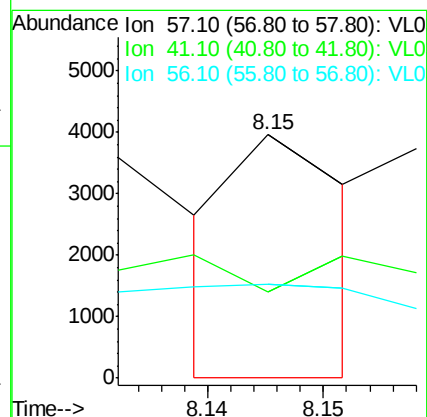
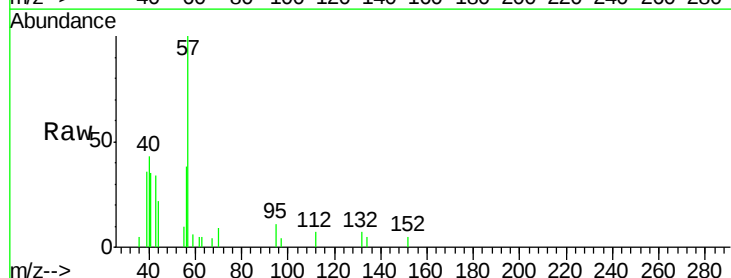
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-3

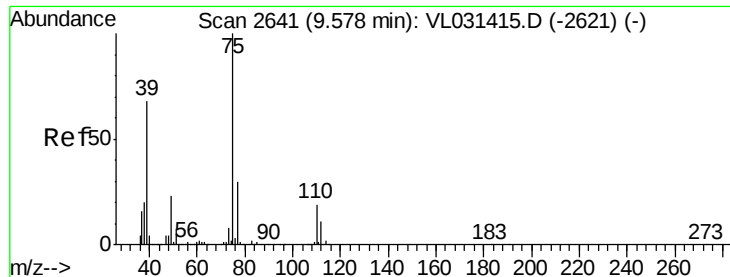
Tgt Ion: 69 Resp: 276
Ion Ratio Lower Upper
69 100
41 1213.0 127.0 190.6#
100 0.0 24.6 37.0#



#44
2,2,4-Trimethylpentane
Concen: 0.00 ppbv
RT: 8.15 min Scan# 2196
Delta R.T. -0.01 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion: 57 Resp: 1373
Ion Ratio Lower Upper
57 100
41 338.8 28.8 43.2#
56 251.3 24.6 37.0#

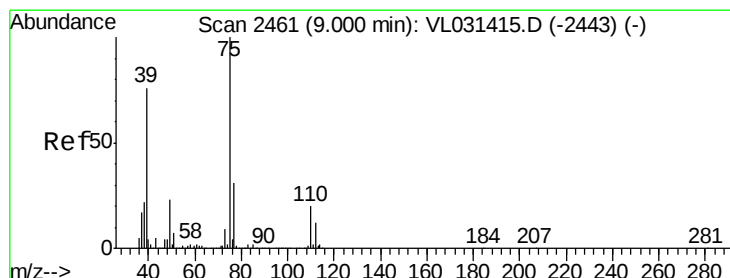
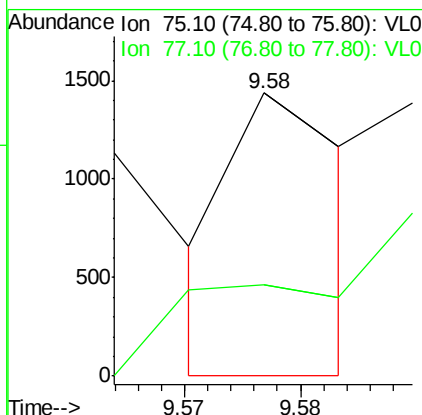
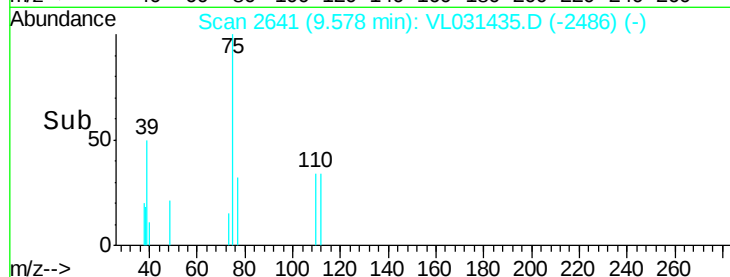
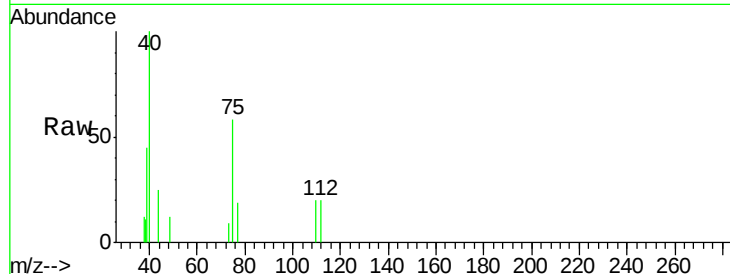




#45
t-1,3-Dichloropropene
Concen: 0.00 ppbv
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

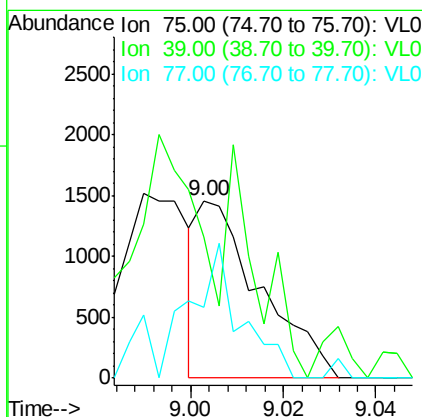
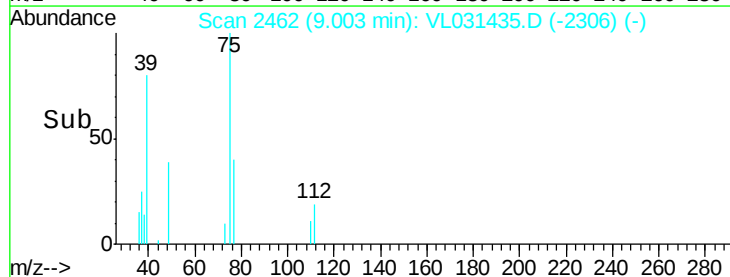
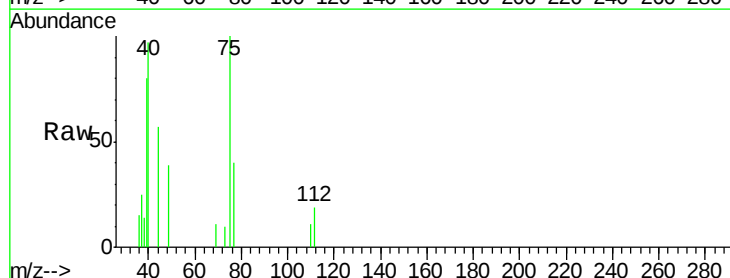
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-3

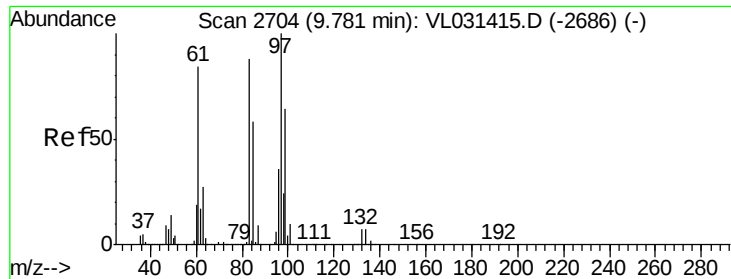
Tgt Ion: 75 Resp: 502
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 9.00 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion: 75 Resp: 1354
Ion Ratio Lower Upper
75 100
39 51.0 59.4 89.0#
77 29.4 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 0.01 ppbv

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

Tgt Ion: 97 Resp: 915

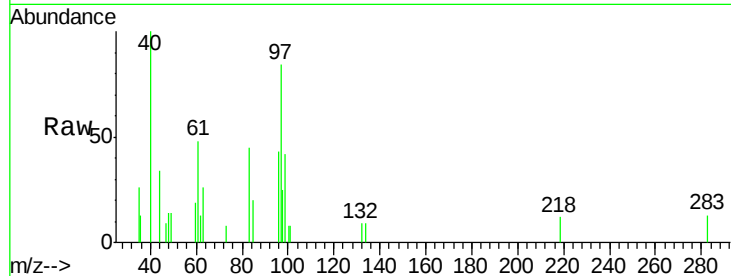
Ion Ratio Lower Upper

97 100

83 23.9 71.4 107.2#

85 2.3 46.2 69.2#

99 41.7 52.2 78.2#

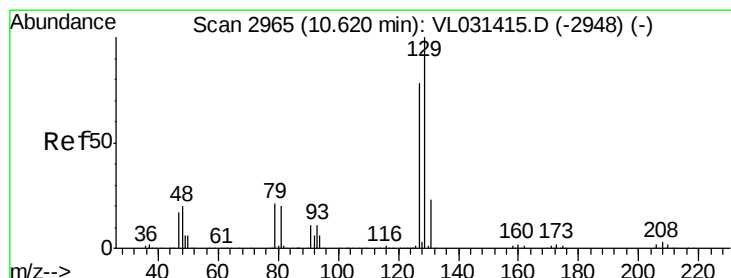
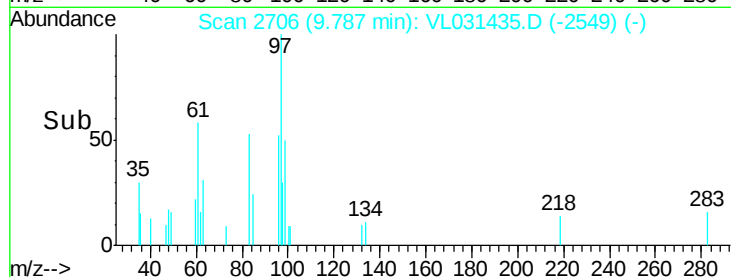
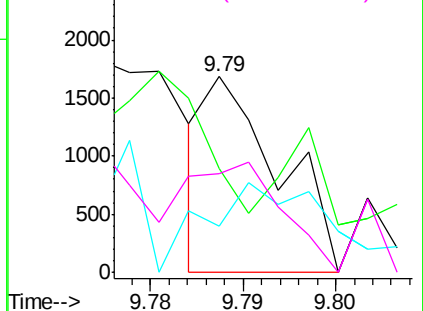


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.01 ppbv

RT: 10.62 min Scan# 2966

Delta R.T. 0.00 min

Lab File: VL031435.D

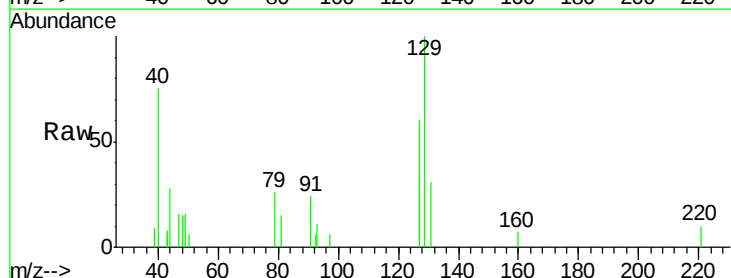
Acq: 23 Jan 2018 3:16

Tgt Ion: 129 Resp: 2666

Ion Ratio Lower Upper

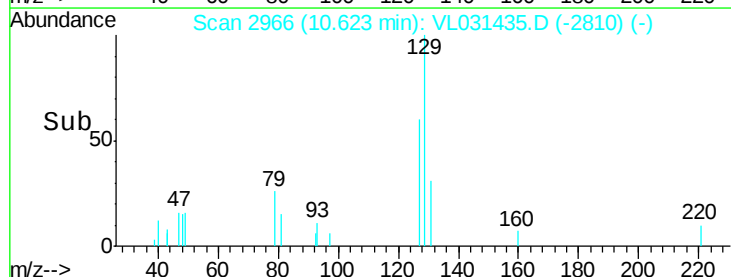
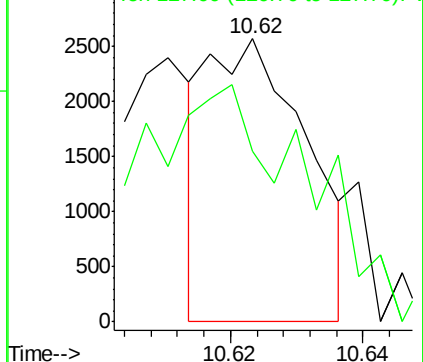
129 100

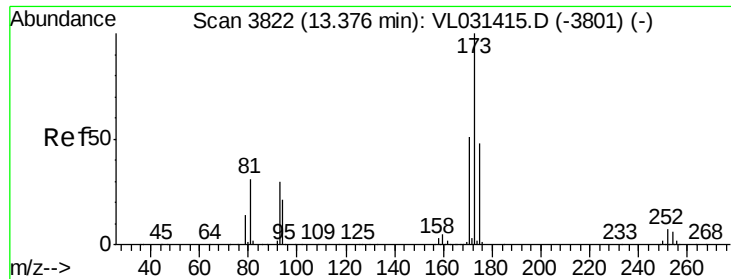
127 161.7 39.4 118.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.01 ppbv

RT: 13.36 min Scan# 3818

Delta R.T. -0.02 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

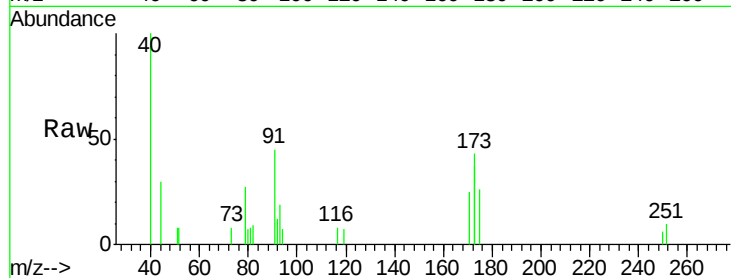
Tgt Ion:173 Resp: 1370

Ion Ratio Lower Upper

173 100

175 127.6 39.0 58.4#

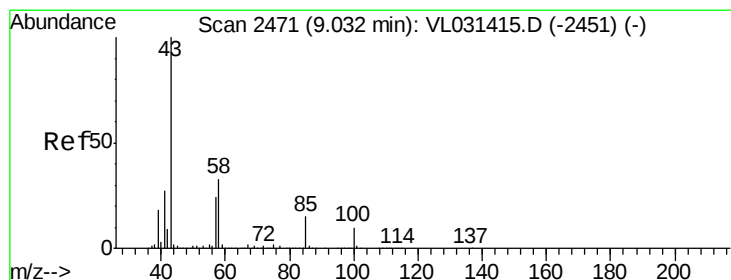
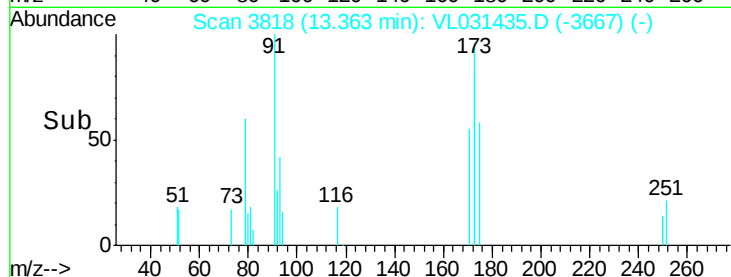
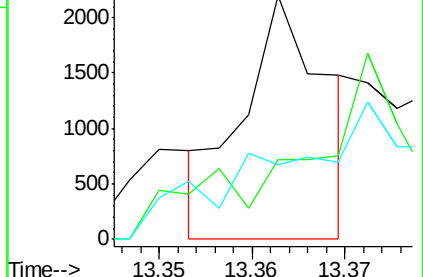
171 129.3 42.0 63.0#



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: 9.07 min Scan# 2482

Delta R.T. 0.04 min

Lab File: VL031435.D

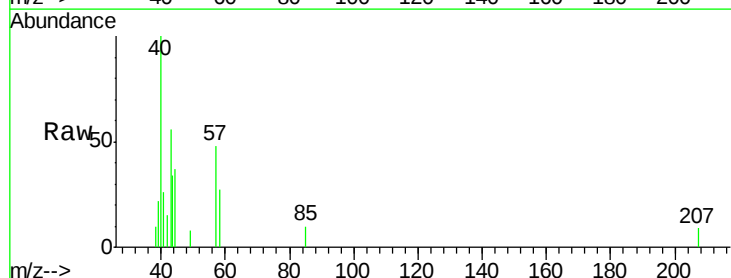
Acq: 23 Jan 2018 3:16

Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

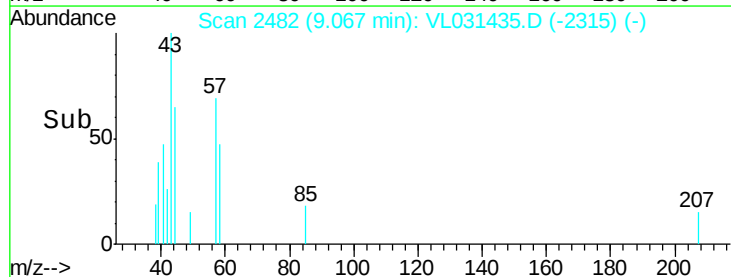
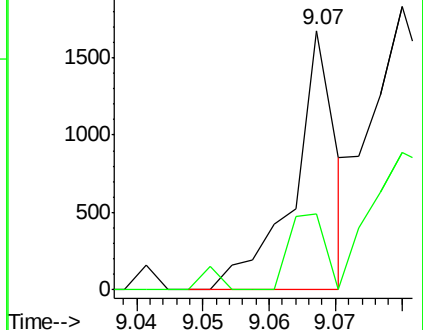
43 100

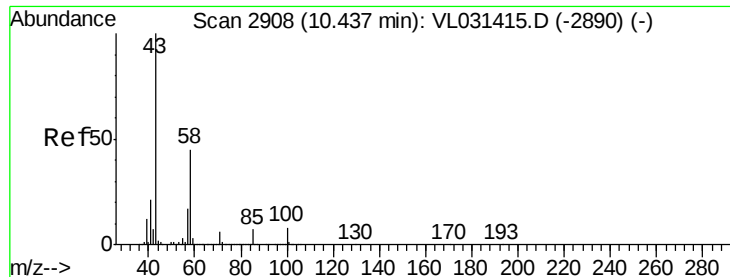
58 0.0 27.1 40.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.00 ppbv

RT: 10.45 min Scan# 2913

Delta R.T. 0.02 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

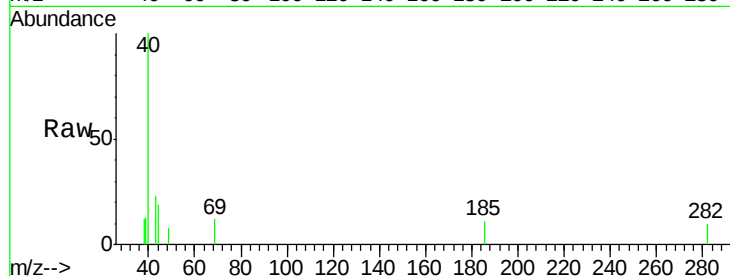
Tgt Ion: 43 Resp: 93

Ion Ratio Lower Upper

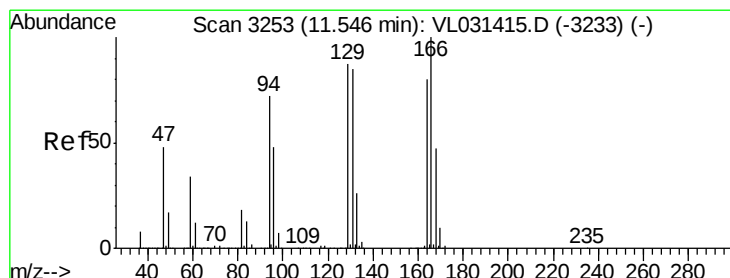
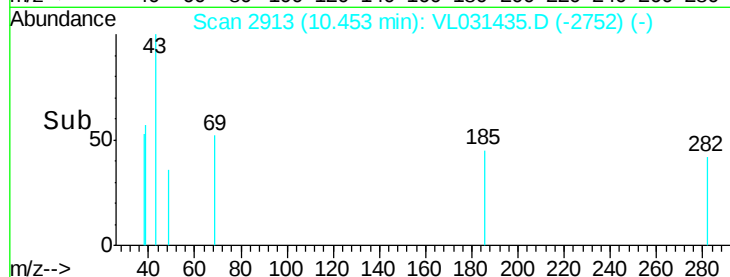
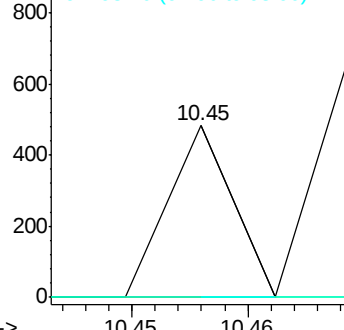
43 100

58 0.0 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: 0.01 ppbv

RT: 11.54 min Scan# 3250

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Tgt Ion: 164 Resp: 968

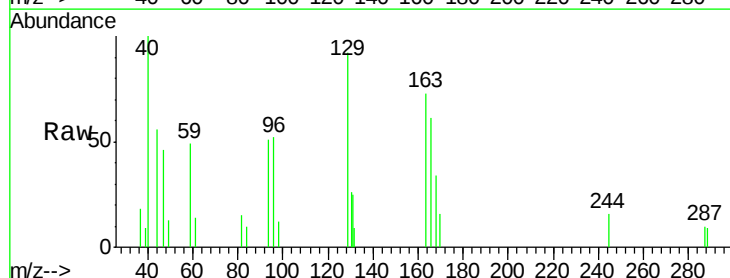
Ion Ratio Lower Upper

164 100

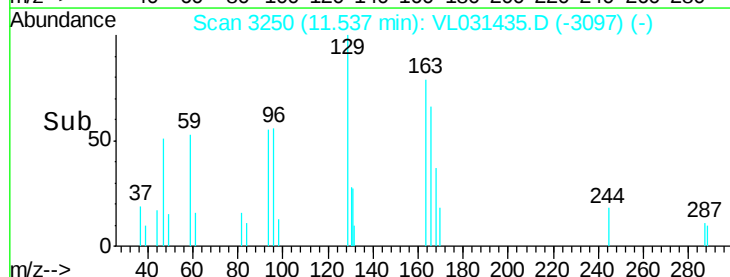
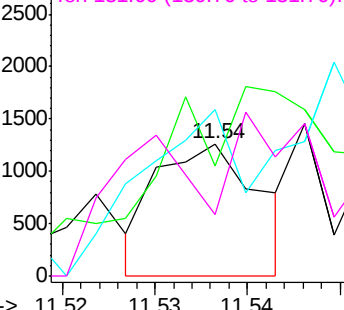
166 59.0 100.2 150.2#

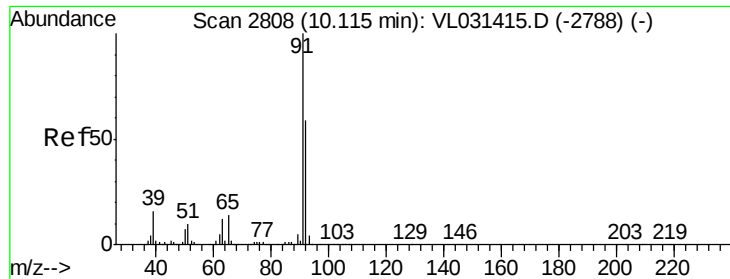
129 82.8 91.4 137.0#

131 0.0 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: 0.00 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

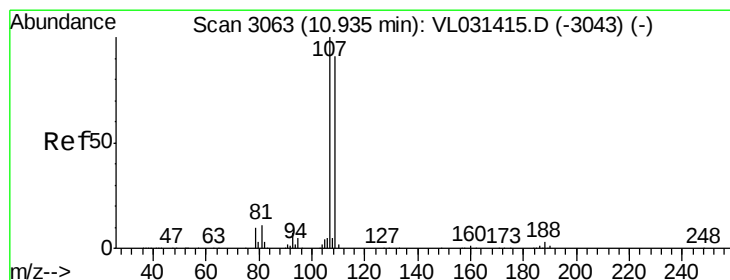
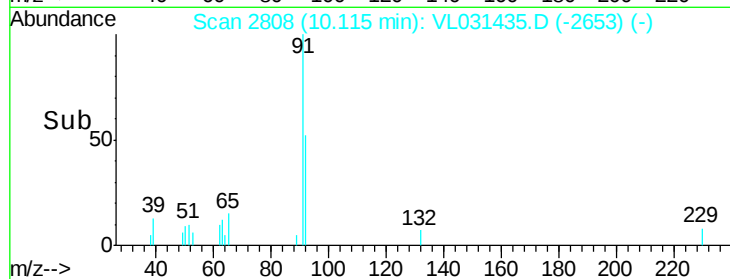
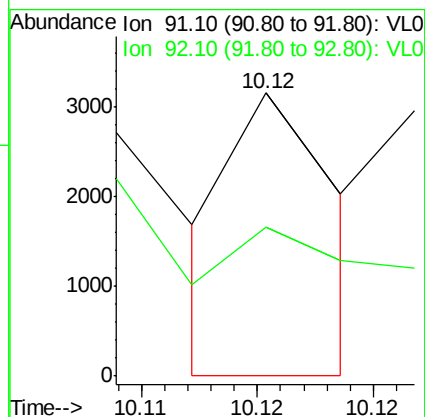
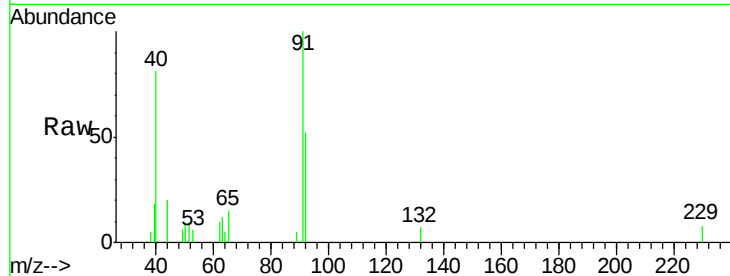
MDL-AIR-3

Tgt Ion: 91 Resp: 1000

Ion Ratio Lower Upper

91 100

92 0.0 47.8 71.6#



#54

1,2-Dibromoethane

Concen: 0.02 ppbv

RT: 10.93 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VL031435.D

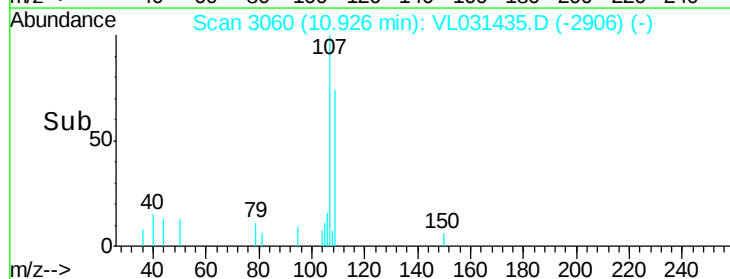
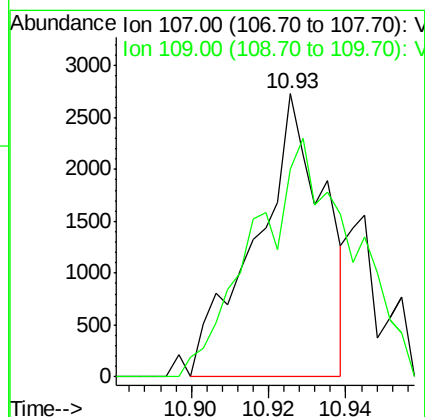
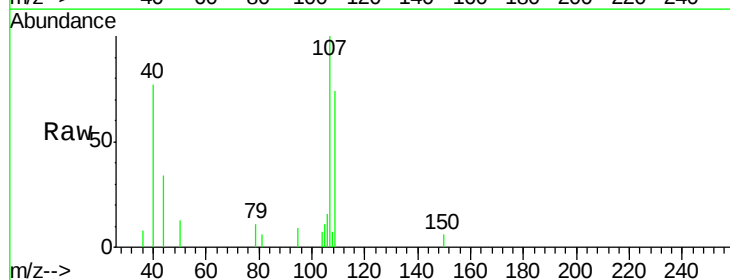
Acq: 23 Jan 2018 3:16

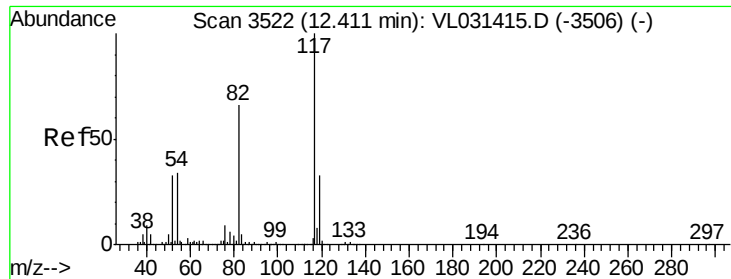
Tgt Ion: 107 Resp: 3311

Ion Ratio Lower Upper

107 100

109 66.5 75.5 113.3#

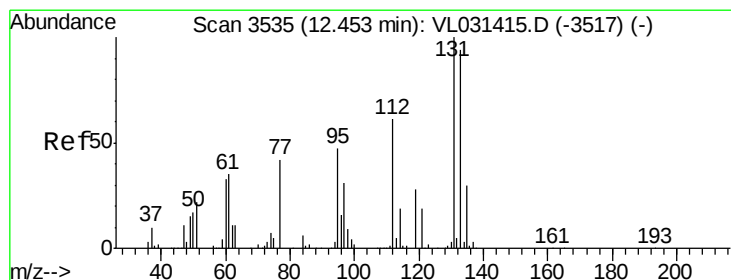
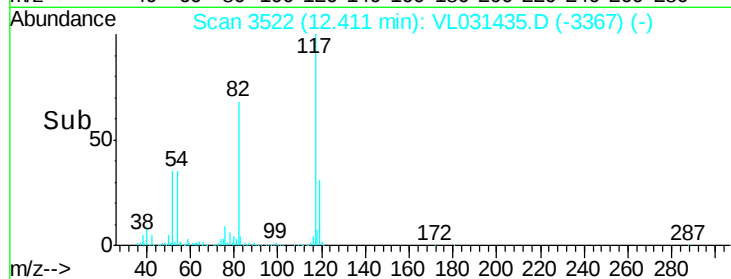
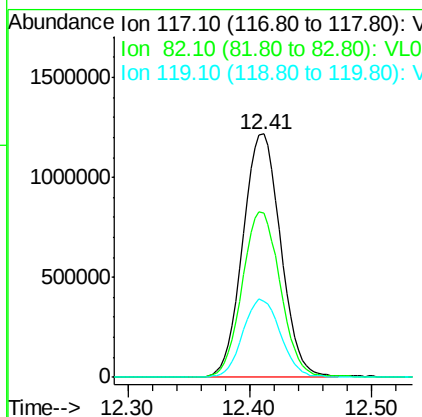
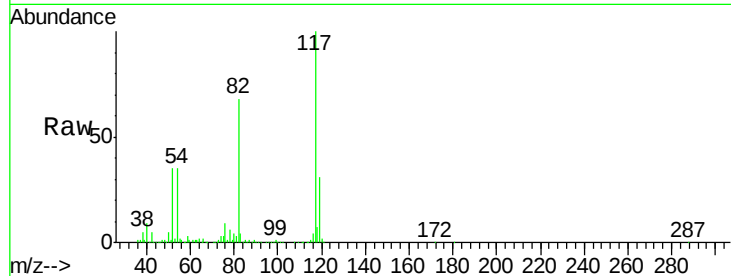




#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.41 min Scan# 3522
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

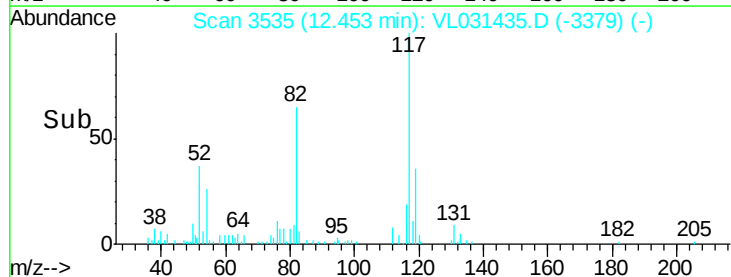
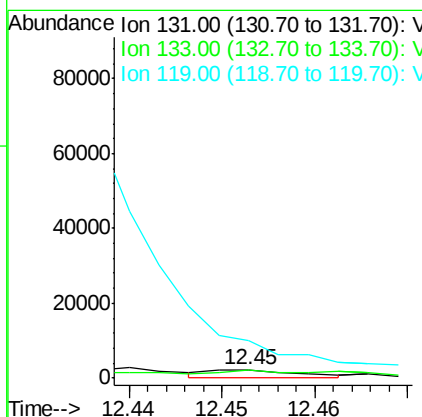
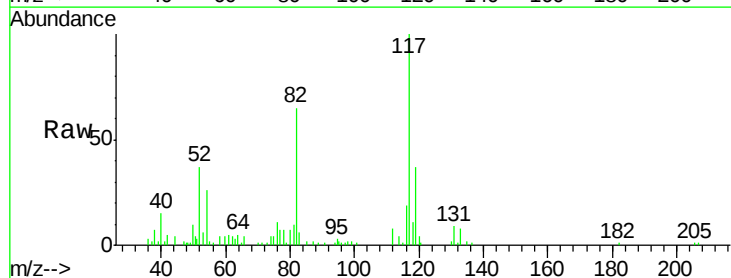
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

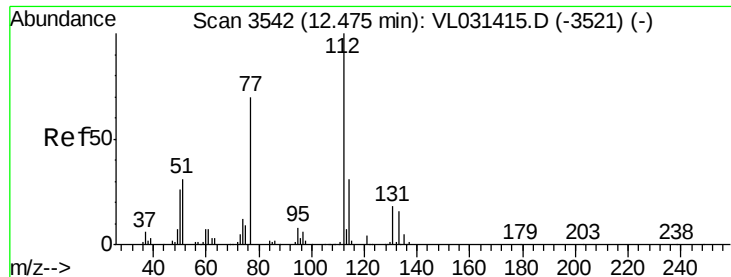
Tgt Ion:117 Resp: 2610236
 Ion Ratio Lower Upper
 117 100
 82 69.1 51.8 77.6
 119 32.3 24.2 36.2



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.01 ppbv
 RT: 12.45 min Scan# 3535
 Delta R.T. 0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion:131 Resp: 1497
 Ion Ratio Lower Upper
 131 100
 133 285.4 76.9 115.3#
 119 0.0 47.7 71.5#





#57

Chlorobenzene

Concen: 0.01 ppbv

RT: 12.47 min Scan# 3540

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

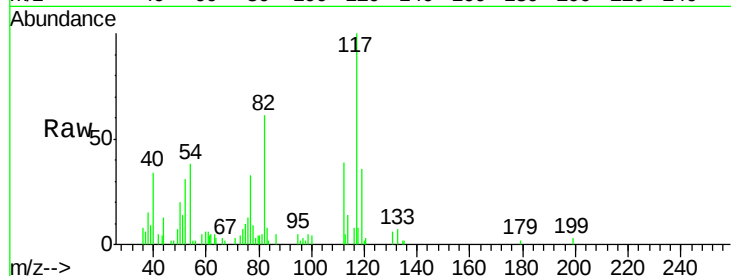
Tgt Ion: 112 Resp: 3031

Ion Ratio Lower Upper

112 100

77 98.9 56.0 84.0#

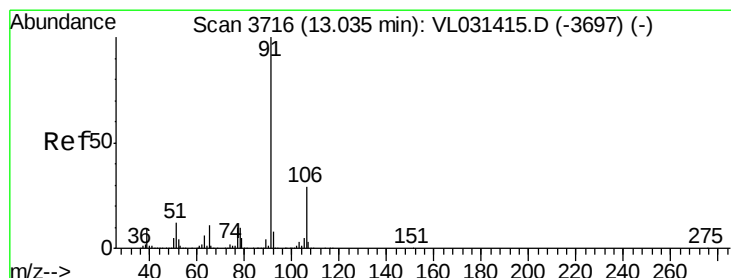
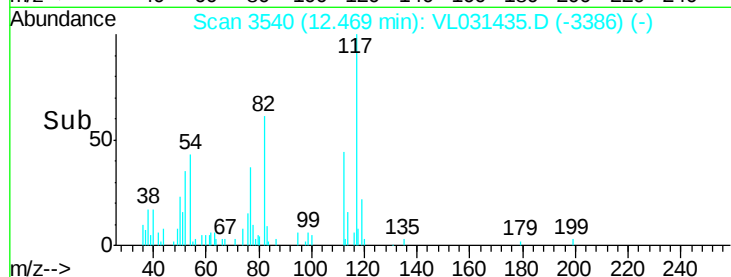
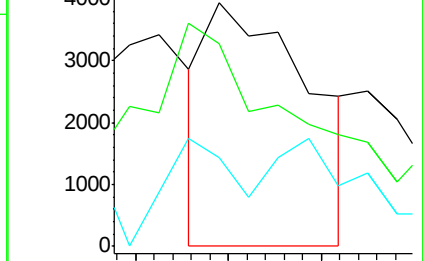
114 30.6 29.1 35.5



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: 0.01 ppbv

RT: 13.04 min Scan# 3717

Delta R.T. 0.00 min

Lab File: VL031435.D

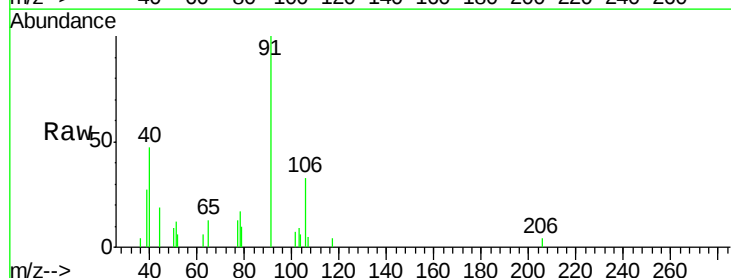
Acq: 23 Jan 2018 3:16

Tgt Ion: 91 Resp: 2892

Ion Ratio Lower Upper

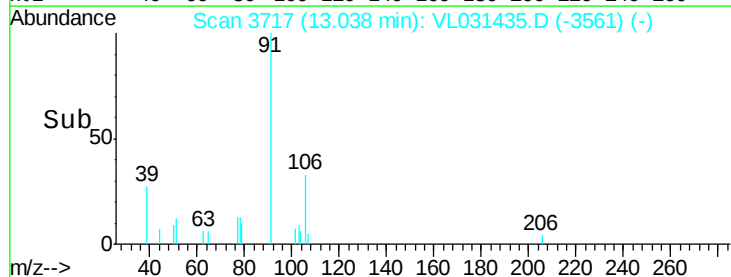
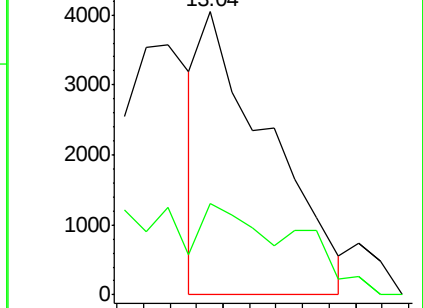
91 100

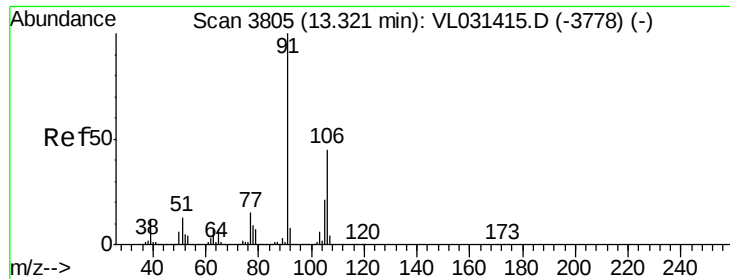
106 31.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

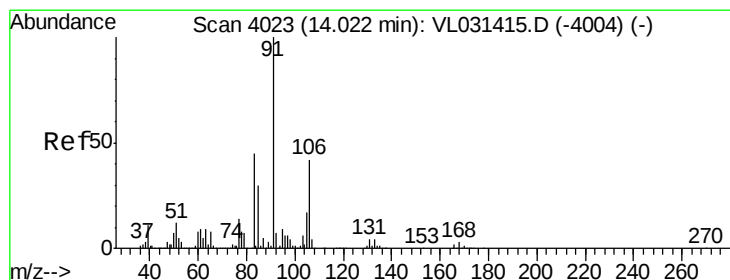
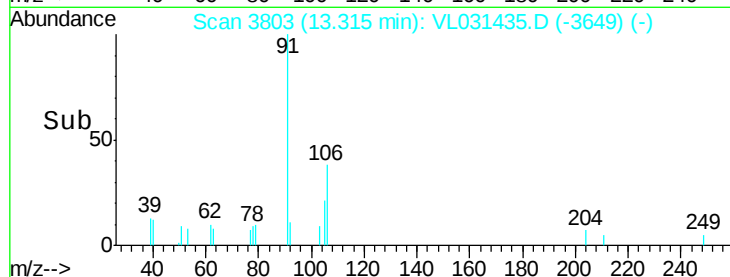
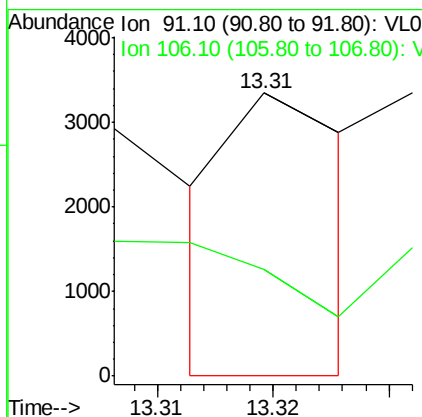
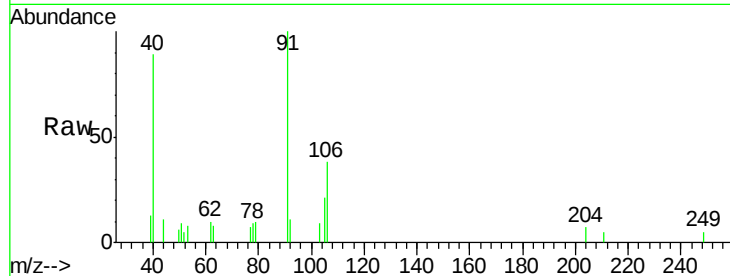




#59
m/p-Xylene
Concen: 0.00 ppbv
RT: 13.31 min Scan# 3803
Delta R.T. -0.01 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

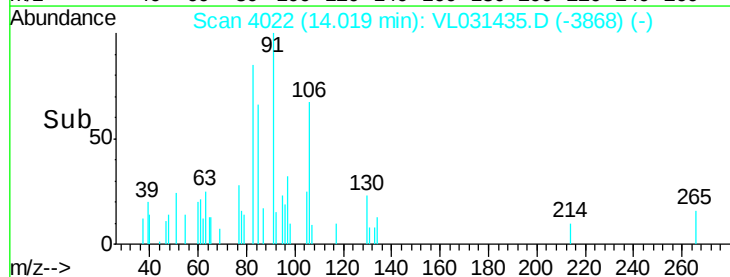
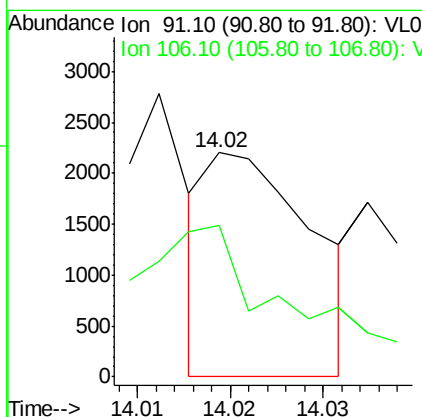
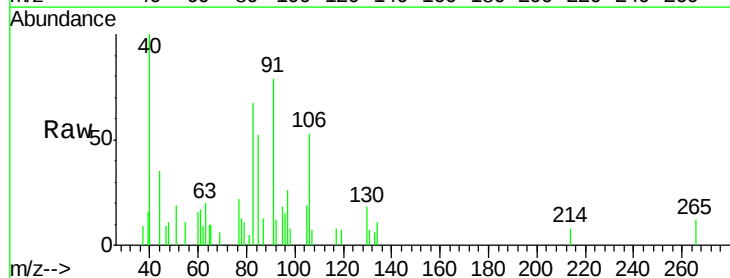
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-3

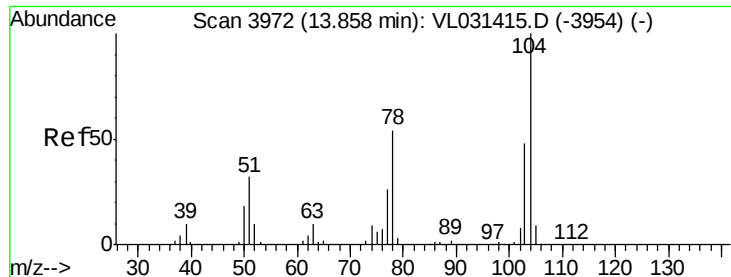
Tgt Ion: 91 Resp: 1202
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#



#60
o-Xylene
Concen: 0.01 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion: 91 Resp: 1720
Ion Ratio Lower Upper
91 100
106 155.5 21.3 64.0#

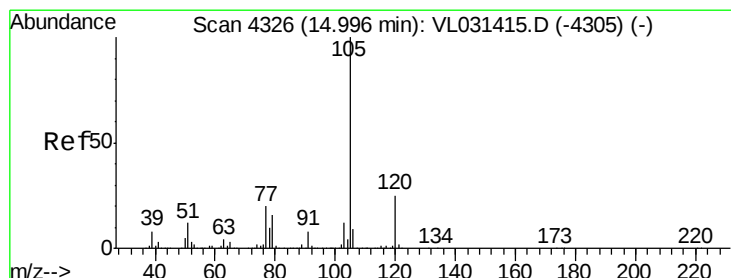
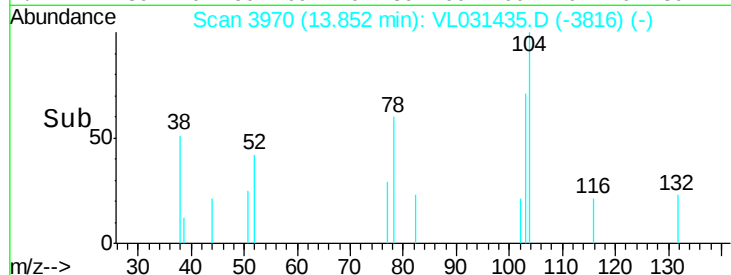
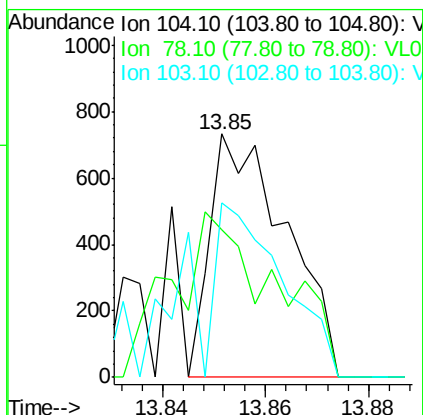
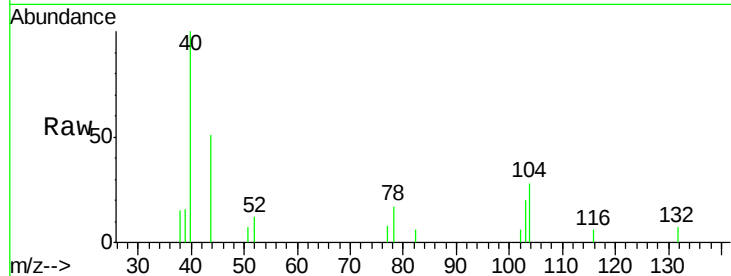




#61
Styrene
Concen: 0.01 ppbv
RT: 13.85 min Scan# 3970
Delta R.T. -0.01 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

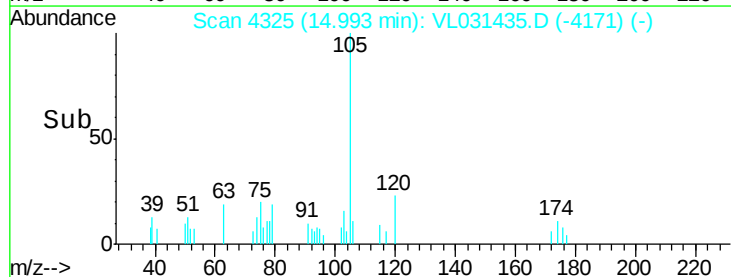
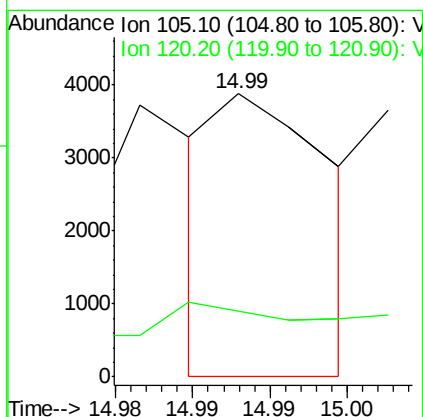
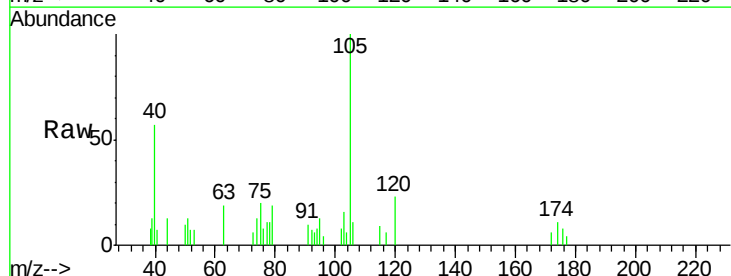
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-3

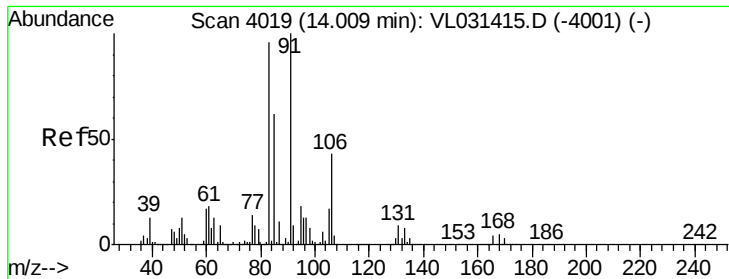
Tgt Ion:104 Resp: 750
Ion Ratio Lower Upper
104 100
78 92.0 45.4 68.0#
103 94.1 38.6 57.8#



#62
Isopropylbenzene
Concen: 0.00 ppbv
RT: 14.99 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL031435.D
Acq: 23 Jan 2018 3:16

Tgt Ion:105 Resp: 1969
Ion Ratio Lower Upper
105 100
120 0.0 19.9 29.9#

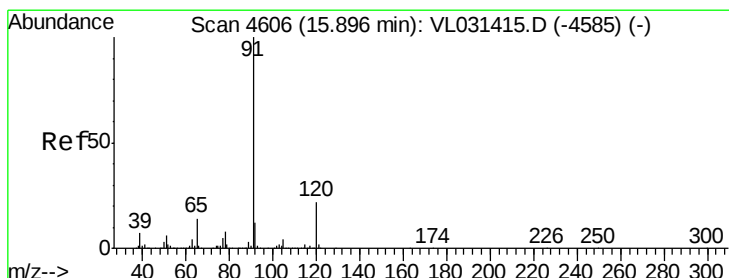
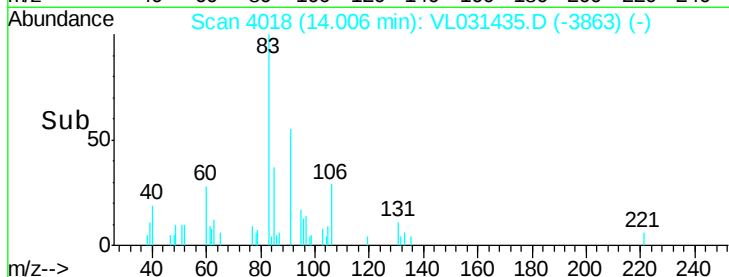
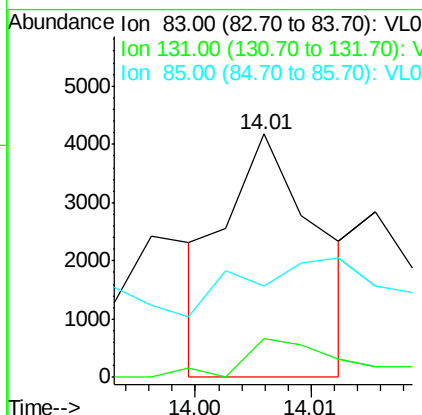
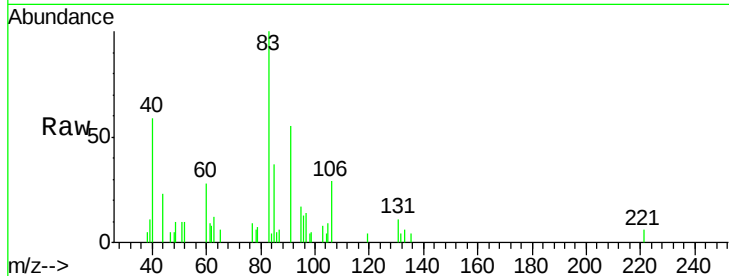




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.01 ppbv
 RT: 14.01 min Scan# 4018
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

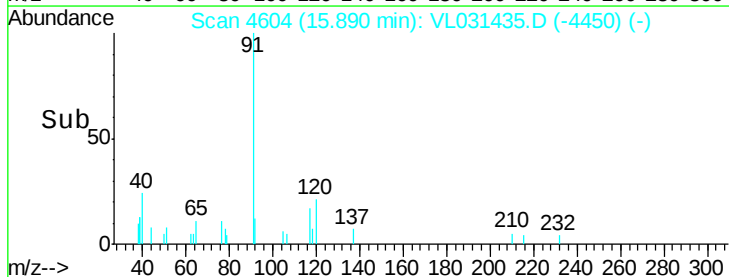
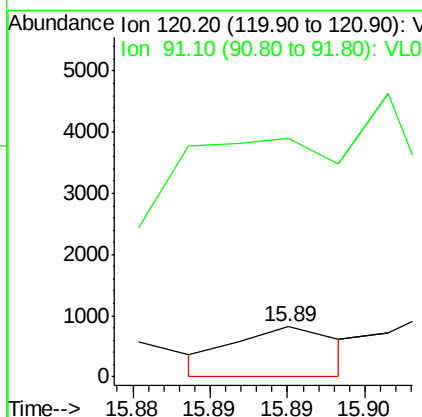
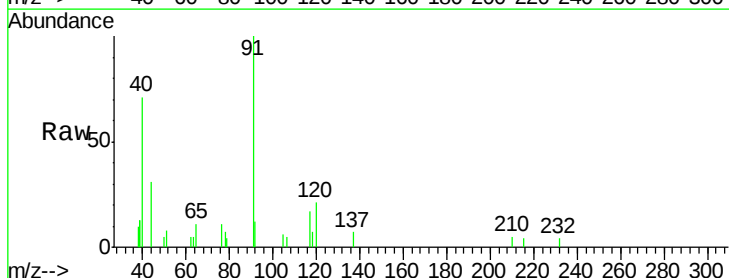
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

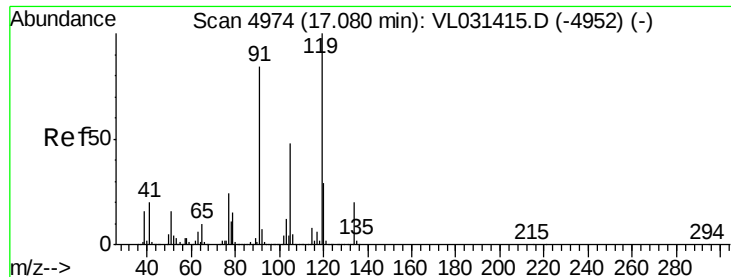
Tgt Ion: 83 Resp: 2287
 Ion Ratio Lower Upper
 83 100
 131 23.0 4.8 14.3#
 85 0.0 32.4 97.0#



#64
 n-propylbenzene
 Concen: 0.00 ppbv
 RT: 15.89 min Scan# 4604
 Delta R.T. -0.01 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 120 Resp: 384
 Ion Ratio Lower Upper
 120 100
 91 0.0 389.8 584.6#

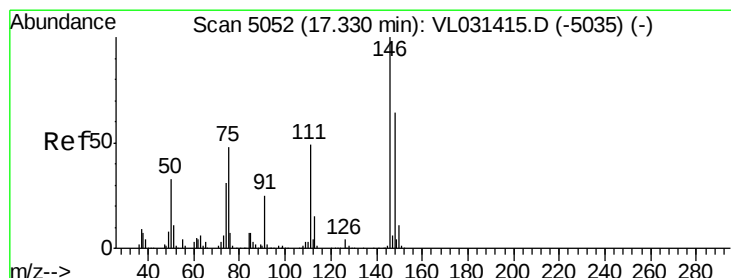
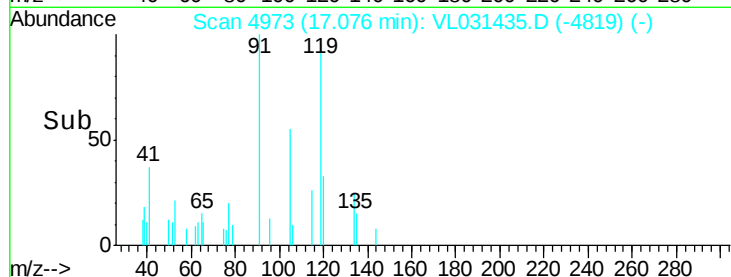
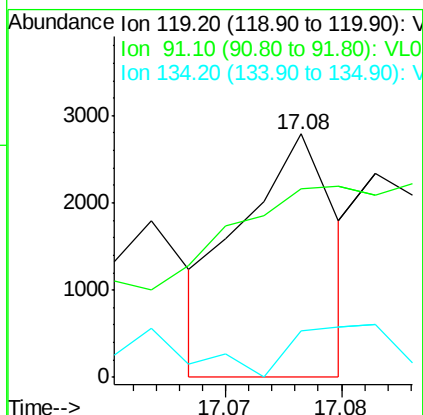
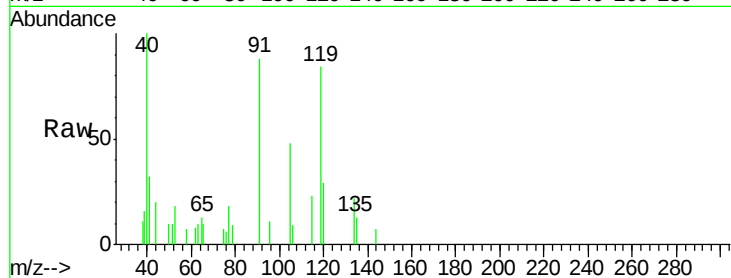




#65
 tert-Butylbenzene
 Concen: 0.00 ppbv
 RT: 17.08 min Scan# 4973
 Delta R.T. -0.01 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

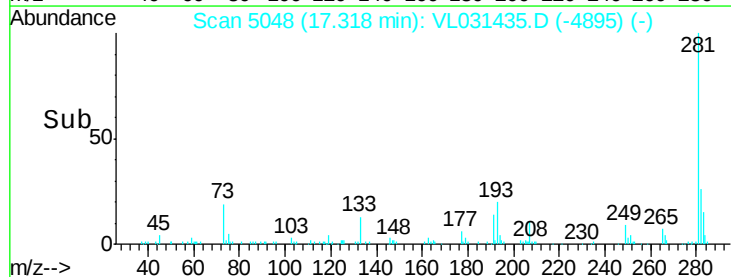
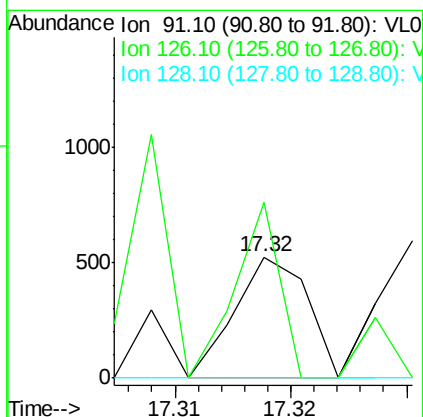
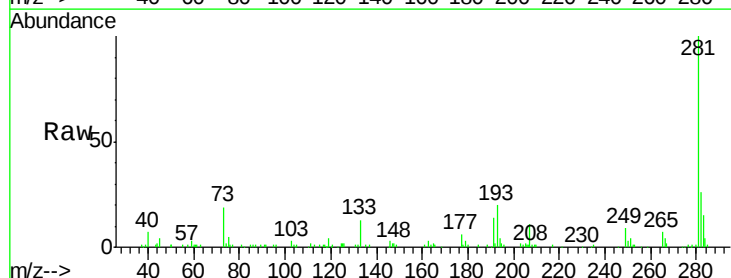
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

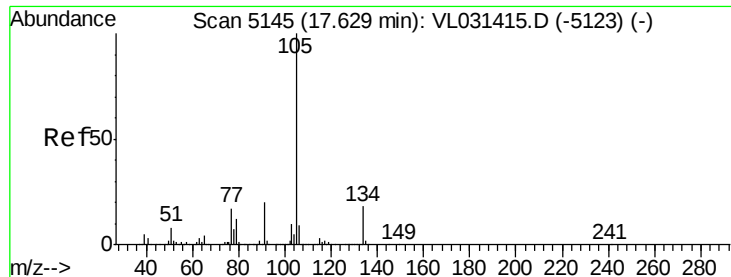
Tgt Ion: 119 Resp: 1581
 Ion Ratio Lower Upper
 119 100
 91 0.0 69.0 103.6#
 134 0.0 15.7 23.5#



#66
 Benzyl Chloride
 Concen: 0.01 ppbv
 RT: 17.32 min Scan# 5048
 Delta R.T. -0.01 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 91 Resp: 228
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.8 20.8#
 128 0.0 4.6 6.8#

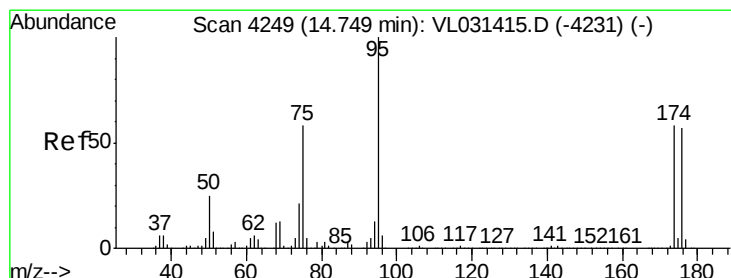
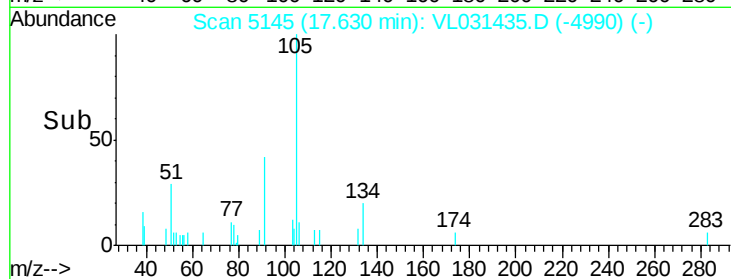
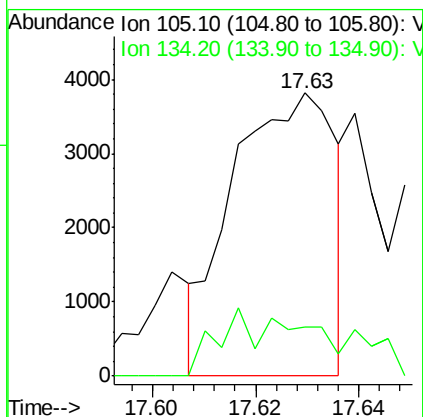
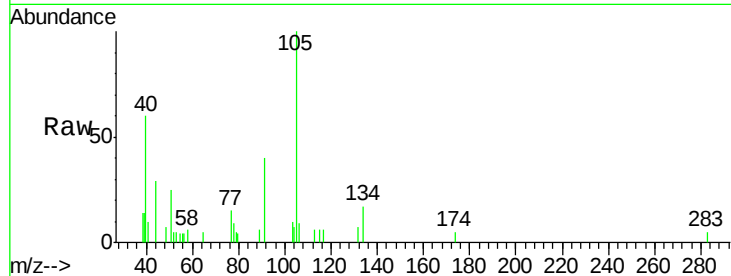




#67
 sec-Butylbenzene
 Concen: 0.01 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

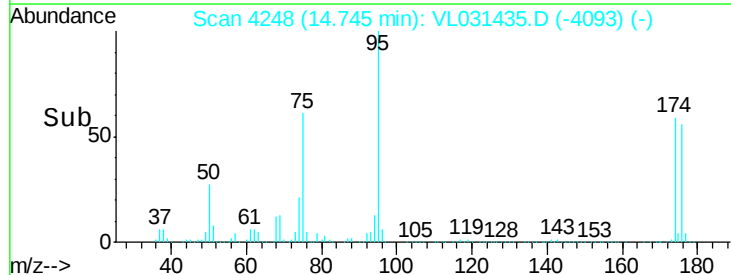
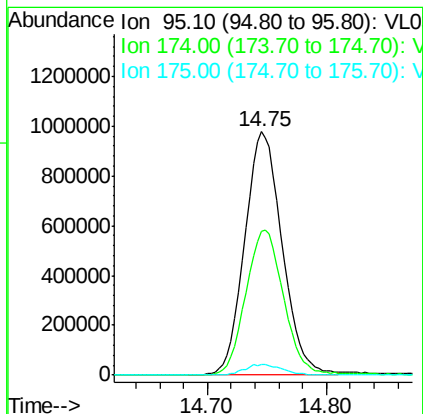
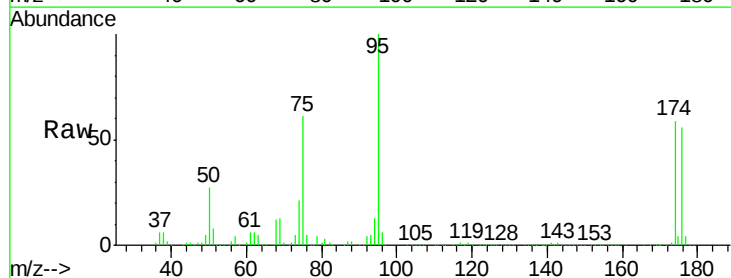
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-3

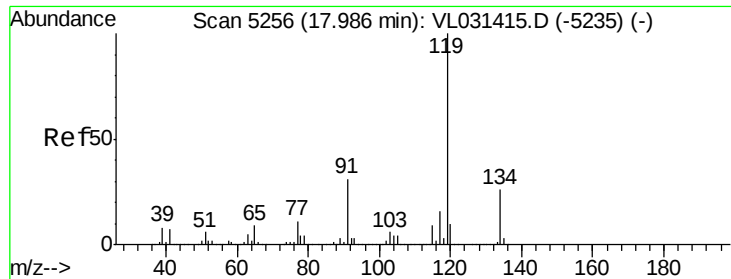
Tgt Ion: 105 Resp: 5232
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.5 21.7#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.20 ppbv
 RT: 14.75 min Scan# 4248
 Delta R.T. -0.00 min
 Lab File: VL031435.D
 Acq: 23 Jan 2018 3:16

Tgt Ion: 95 Resp: 2132378
 Ion Ratio Lower Upper
 95 100
 174 61.0 48.2 72.4
 175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.00 ppbv

RT: 17.99 min Scan# 5256

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

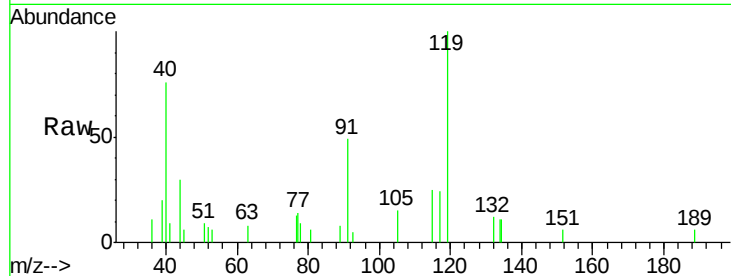
Tgt Ion: 119 Resp: 1609

Ion Ratio Lower Upper

119 100

134 0.0 20.2 30.4#

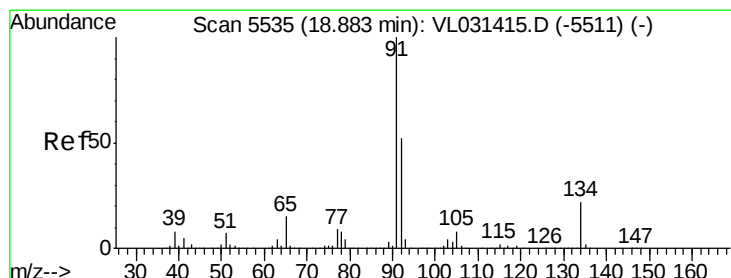
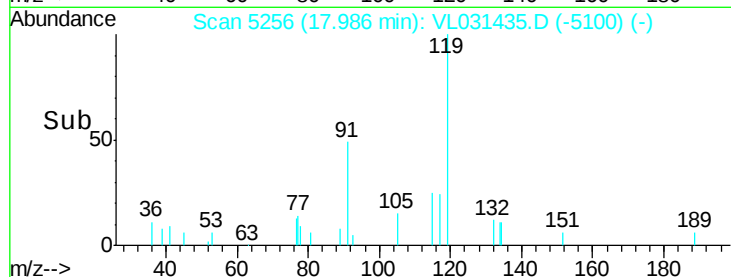
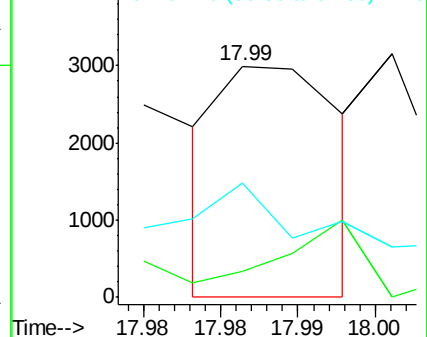
91 153.1 25.0 37.4#



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: 0.01 ppbv

RT: 18.88 min Scan# 5535

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

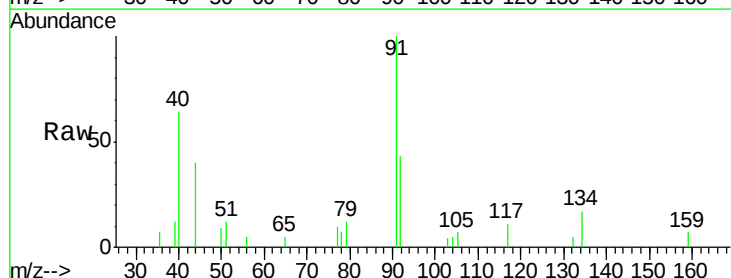
Tgt Ion: 91 Resp: 2573

Ion Ratio Lower Upper

91 100

92 118.7 42.2 63.4#

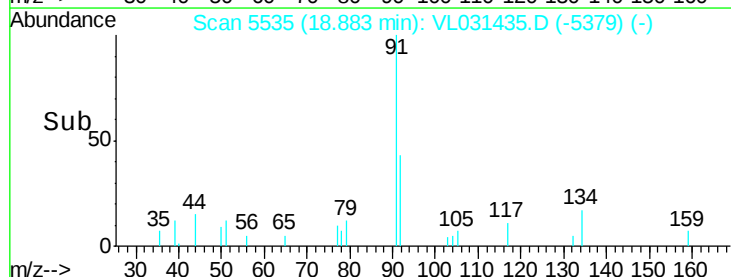
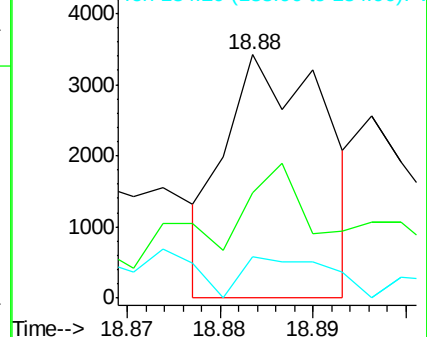
134 0.0 17.4 26.2#

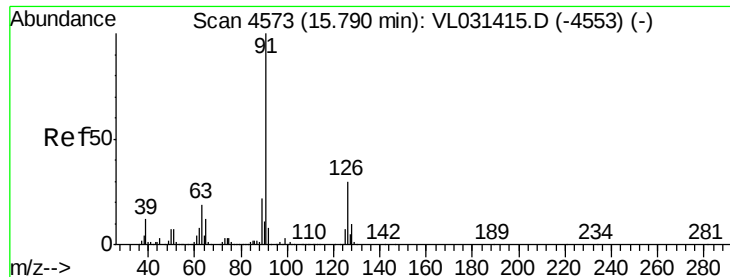


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.00 ppbv

RT: 15.76 min Scan# 4563

Delta R.T. -0.04 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampled :

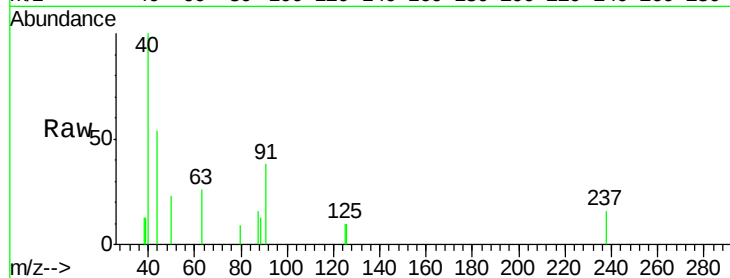
MDL-AIR-3

Tgt Ion: 91 Resp: 239

Ion Ratio Lower Upper

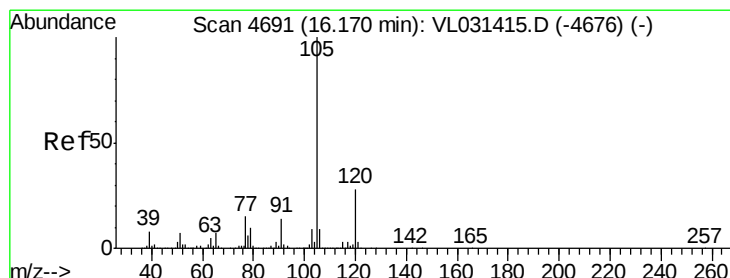
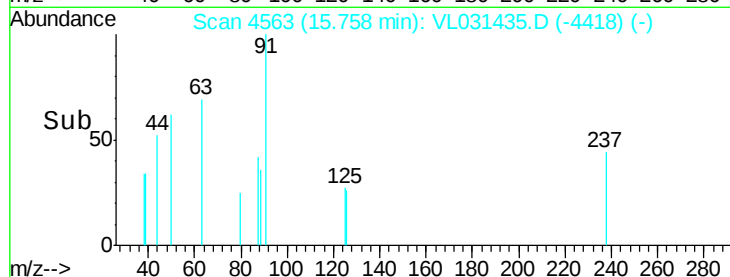
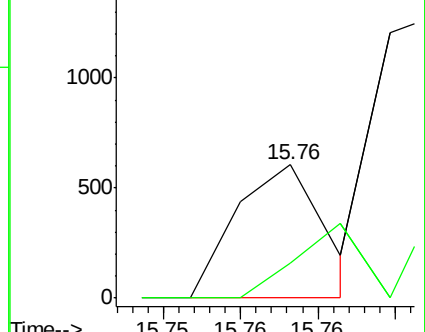
91 100

126 35.1 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.01 ppbv

RT: 16.17 min Scan# 4691

Delta R.T. -0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Tgt Ion: 105 Resp: 3089

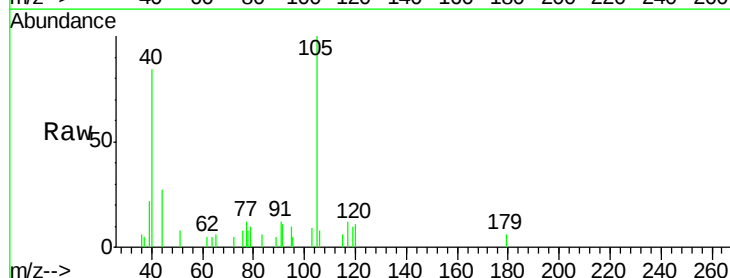
Ion Ratio Lower Upper

105 100

120 0.0 23.0 34.6#

91 28.6 11.0 16.4#

77 0.0 12.3 18.5#

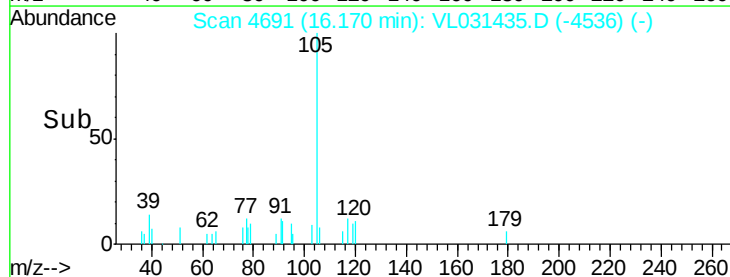
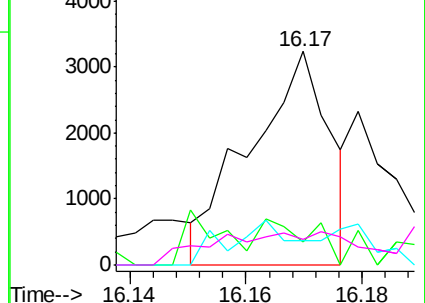


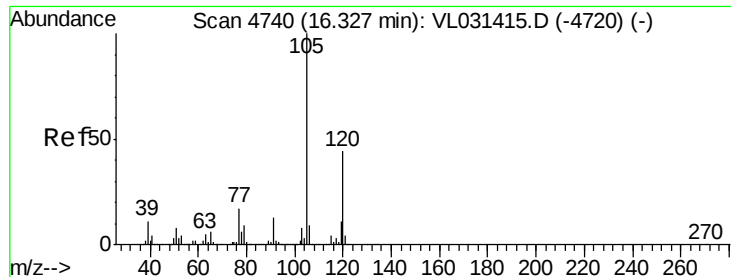
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 0.00 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

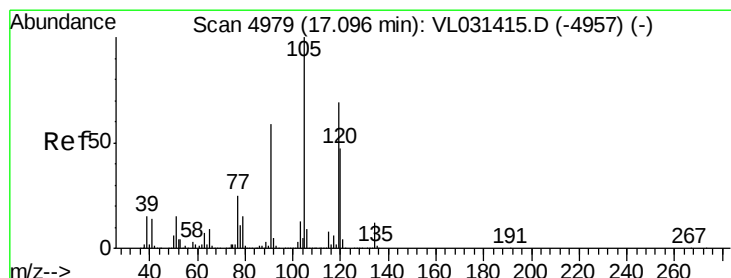
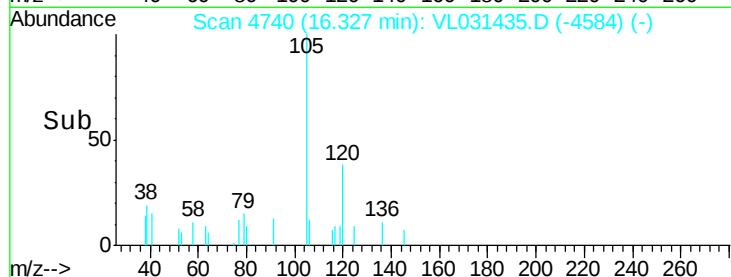
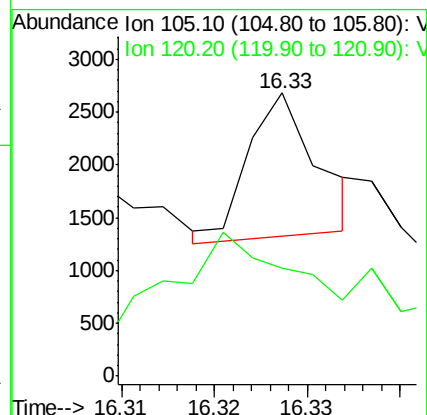
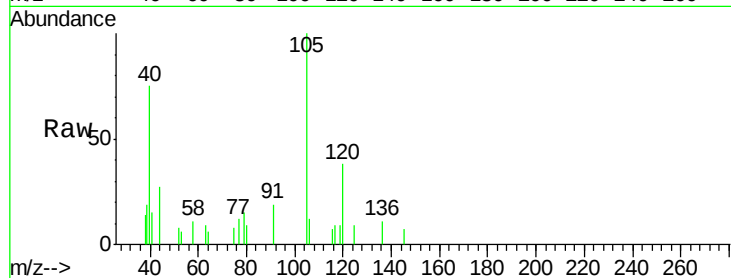
MDL-AIR-3

Tgt Ion:105 Resp: 705

Ion Ratio Lower Upper

105 100

120 23.4 35.8 53.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.01 ppbv

RT: 17.10 min Scan# 4979

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Tgt Ion:105 Resp: 3525

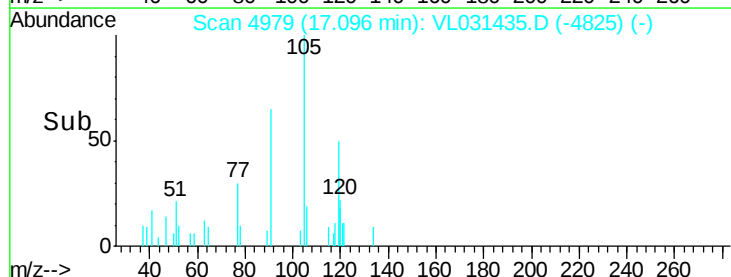
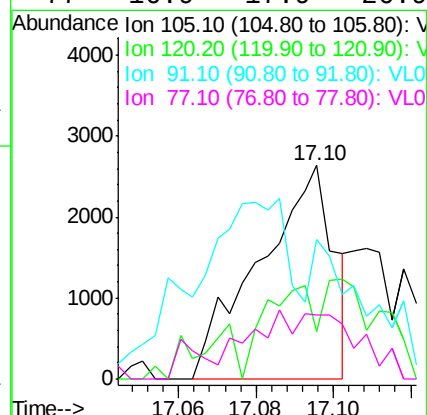
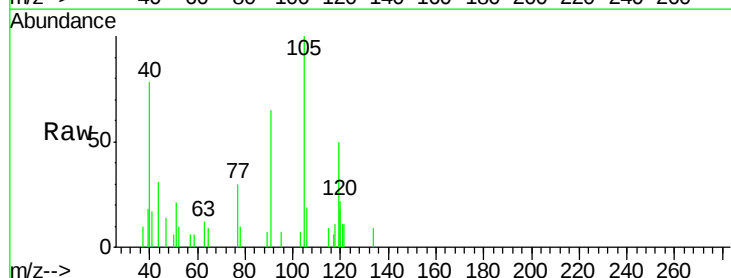
Ion Ratio Lower Upper

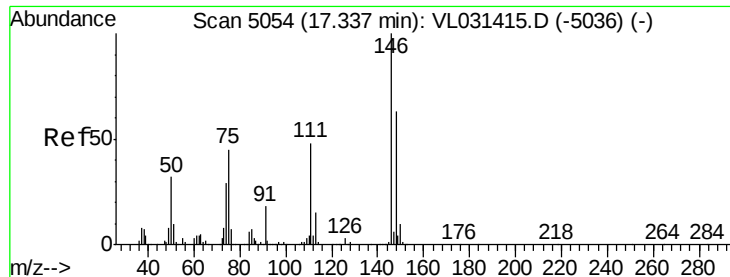
105 100

120 23.8 37.0 55.6#

91 26.9 35.1 52.7#

77 16.9 17.9 26.9#





#75

1,3-Dichlorobenzene

Concen: 0.02 ppbv

RT: 17.34 min Scan# 5054

Delta R.T. -0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

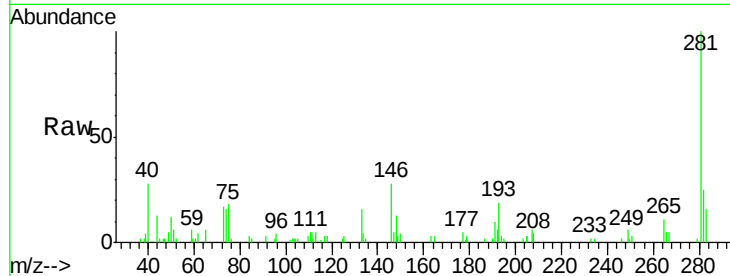
Tgt Ion:146 Resp: 3127

Ion Ratio Lower Upper

146 100

111 86.5 24.2 72.6#

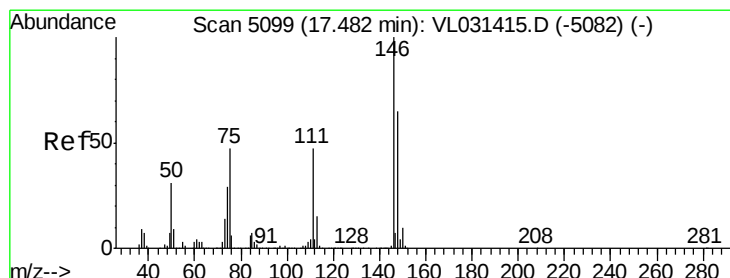
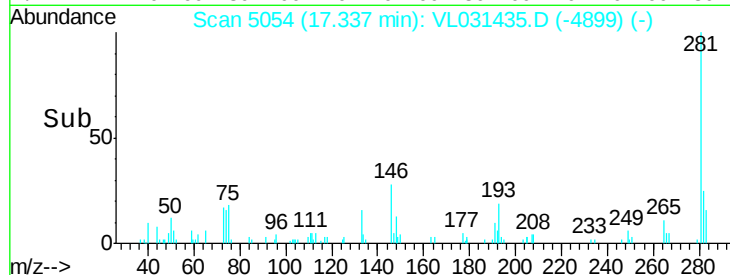
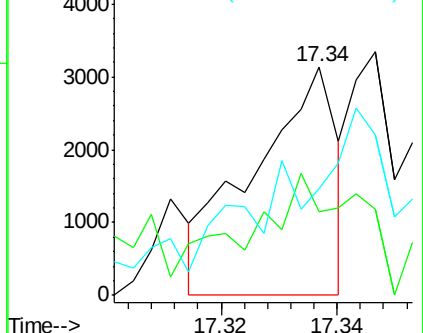
148 0.0 32.1 96.3#



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: 0.01 ppbv

RT: 17.48 min Scan# 5098

Delta R.T. -0.01 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

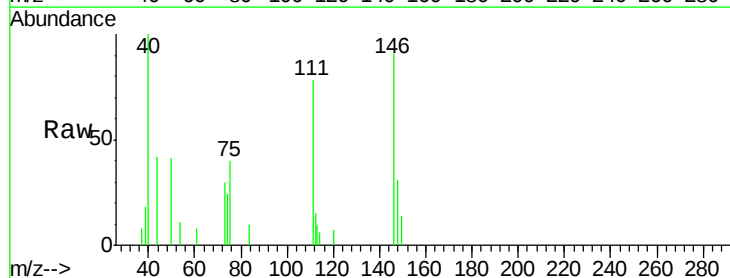
Tgt Ion:146 Resp: 2647

Ion Ratio Lower Upper

146 100

111 115.4 23.3 69.9#

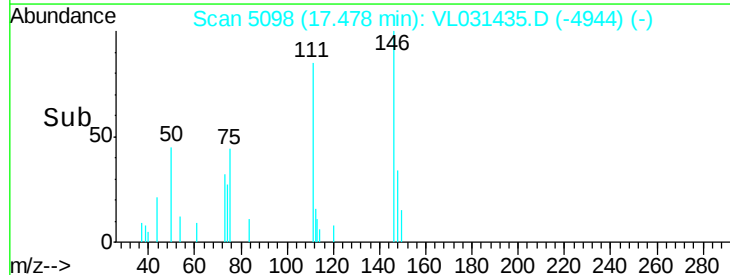
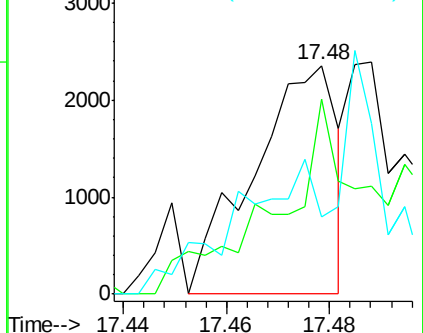
148 0.0 32.4 97.2#

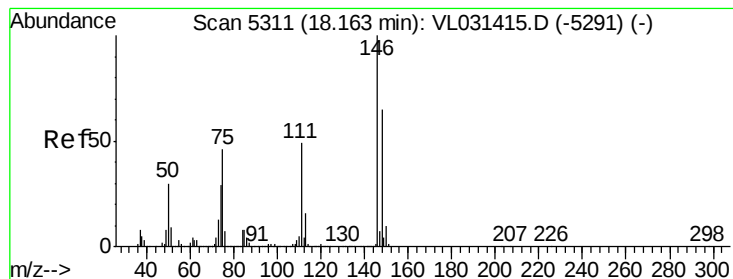


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.01 ppbv

RT: 18.17 min Scan# 5312

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

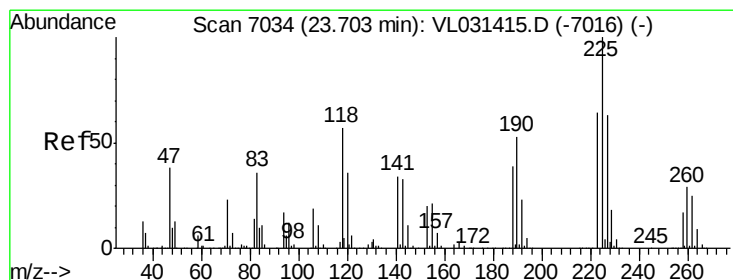
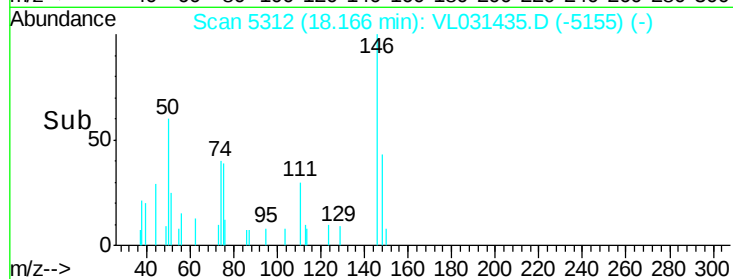
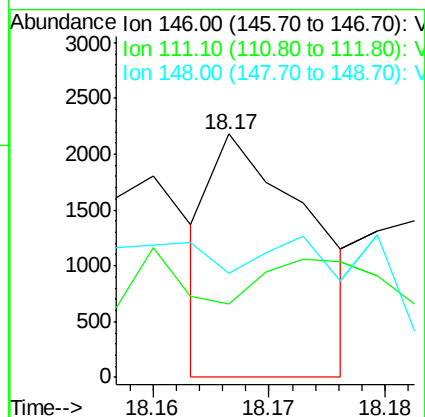
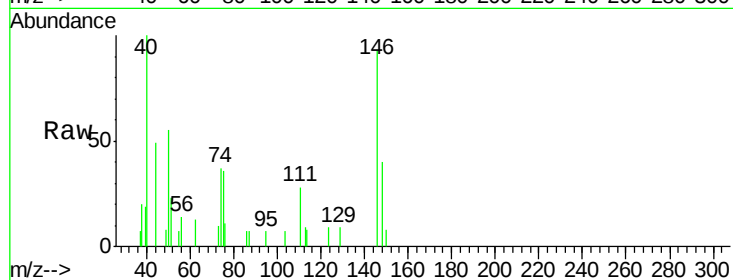
Tgt Ion:146 Resp: 1279

Ion Ratio Lower Upper

146 100

111 197.1 24.6 74.0#

148 0.0 32.3 96.8#



#78

Hexachloro-1,3-Butadiene

Concen: 0.01 ppbv

RT: 23.71 min Scan# 7035

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

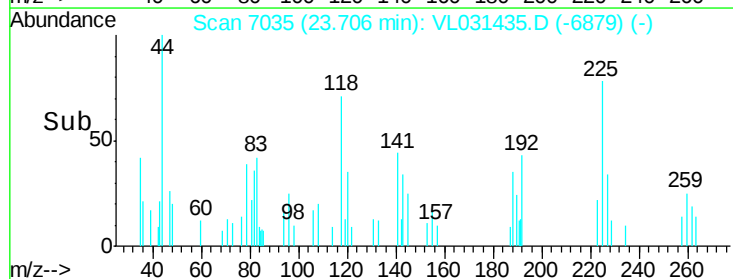
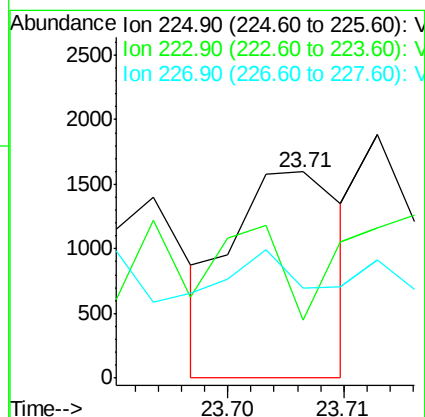
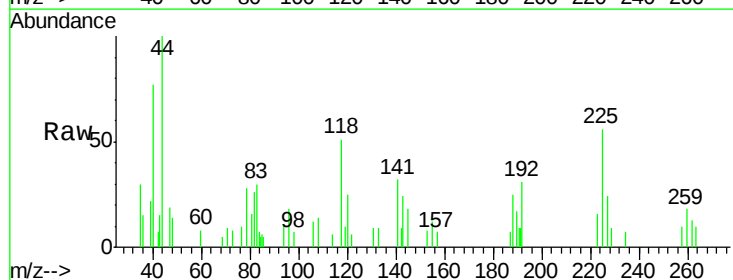
Tgt Ion:225 Resp: 1058

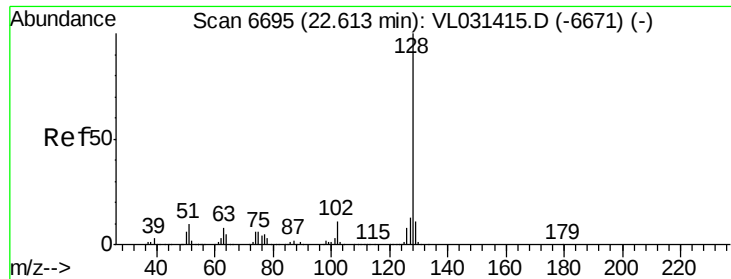
Ion Ratio Lower Upper

225 100

223 0.0 51.3 76.9#

227 188.6 50.7 76.1#





#79

Naphthalene

Concen: 0.00 ppbv

RT: 22.61 min Scan# 6695

Delta R.T. 0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-3

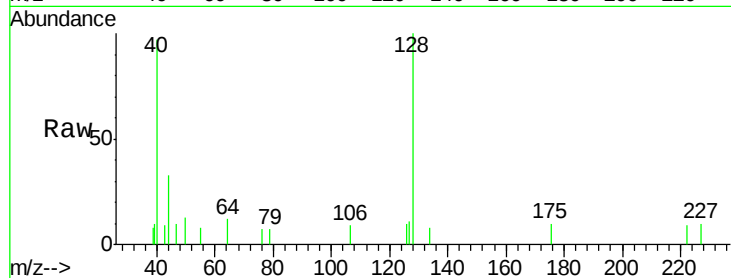
Tgt Ion:128 Resp: 708

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

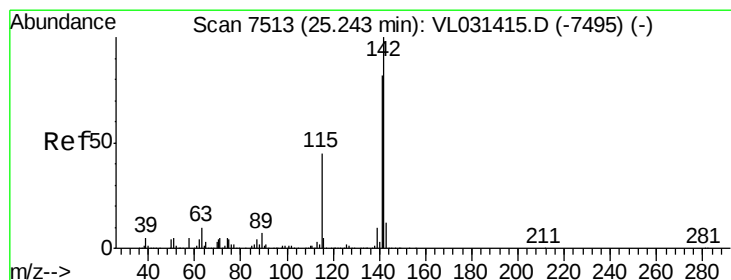
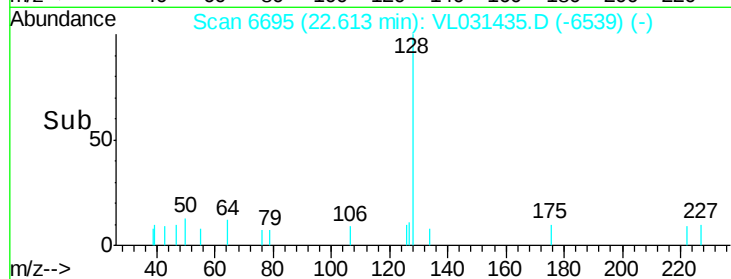
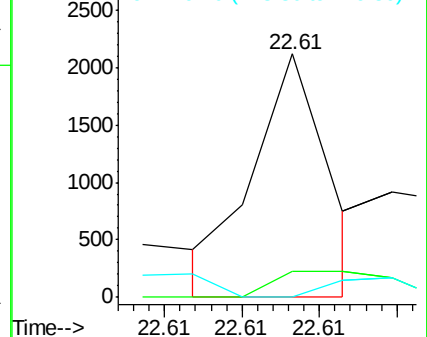
129 0.0 9.2 13.8#



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: 0.00 ppbv

RT: 25.29 min Scan# 7527

Delta R.T. 0.04 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

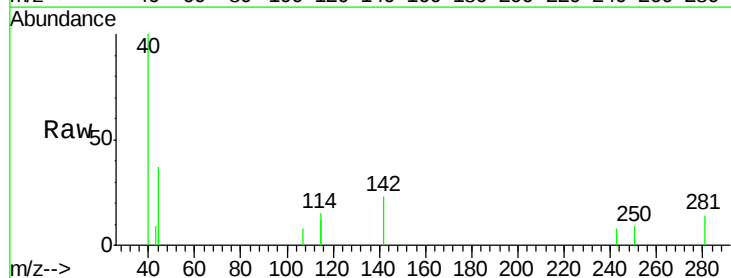
Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

141 72.3 68.7 103.1

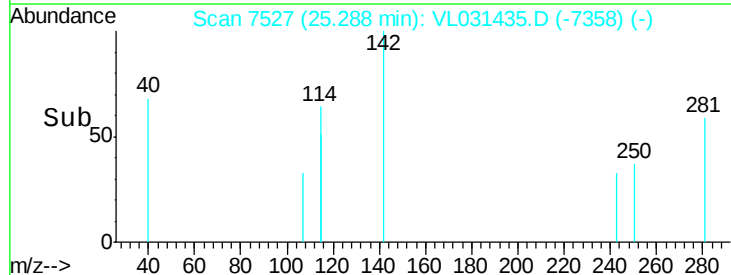
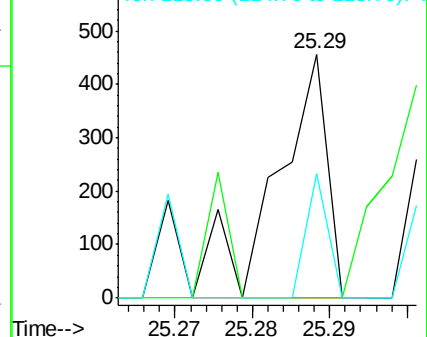
115 37.1 36.3 54.5

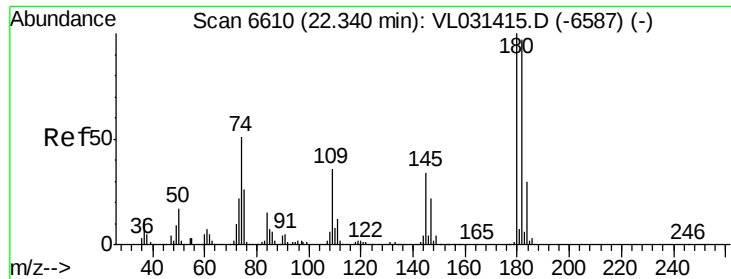


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.00 ppbv

RT: 22.34 min Scan# 6609

Delta R.T. -0.00 min

Lab File: VL031435.D

Acq: 23 Jan 2018 3:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-3

Tgt Ion:180 Resp: 364

Ion Ratio Lower Upper

180 100

182 0.0 76.2 114.4#

184 0.0 24.2 36.4#

