

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
 Data File : VL031427.D
 Acq On : 22 Jan 2018 22:27
 Operator : SY/AP
 Sample : J1089-09
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Quant Time: Jan 23 06:20:27 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	1205423	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2730302	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2639952	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2203725	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.17	85	34840	0.20	ppbv	91
3) Chlorodifluoromethane	3.11	51	21035	0.13	ppbv	99
4) Chloromethane	3.27	50	10126	0.14	ppbv	94
5) Vinyl Chloride	3.40	62	9570	0.14	ppbv	90
6) Bromomethane	3.62	94	4655	0.09	ppbv	94
7) Chloroethane	3.72	64	4167	0.14	ppbv #	78
8) Dichlorotetrafluoroethane	3.32	85	27684	0.15	ppbv	97
9) Propene	3.14	41	5595	0.10	ppbv #	16
10) Heptane	8.40	43	15464	0.09	ppbv	98
11) Trichlorofluoromethane	4.13	101	32017	0.14	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.68	101	21004	0.15	ppbv	99
13) Ethanol	3.78	45	2664	0.16	ppbv #	46
14) Bromoethene	3.90	108	5090	0.09	ppbv #	47
15) Acetone	4.04	43	32716	0.20	ppbv	93
16) 1,3-Butadiene	3.47	39	8168	0.12	ppbv	97
17) tert-Butyl alcohol	4.47	59	301	0.00	ppbv #	71
18) 1,1-Dichloroethene	4.48	96	8646	0.14	ppbv	85
19) Isopropyl Alcohol	4.18	45	13096	0.13	ppbv #	96
20) Methylene Chloride	4.54	84	16663	0.27	ppbv	94
21) Allyl Chloride	4.61	41	12055	0.13	ppbv #	84
22) trans-1,2-Dichloroethene	5.09	96	4312	0.07	ppbv	90
23) Vinyl Acetate	5.30	43	19323	0.10	ppbv #	93
24) 1,1-Dichloroethane	5.22	63	21661	0.13	ppbv	98
25) Ethyl Acetate	5.93	43	16432	0.06	ppbv #	67
26) Hexane	5.92	57	10974	0.09	ppbv #	43
27) Carbon Disulfide	4.76	76	19510	0.12	ppbv #	77
28) Methyl tert-Butyl Ether	5.28	73	17103	0.11	ppbv	100
29) Chloroform	5.98	83	16695	0.08	ppbv	85
30) Cyclohexane	7.41	84	6231	0.06	ppbv #	4
31) cis-1,2-Dichloroethene	5.78	61	13662	0.11	ppbv #	77
32) 1,1,1-Trichloroethane	6.77	97	25324	0.12	ppbv	90
34) 2-Butanone	5.49	43	17458	0.10	ppbv	95
35) Carbon Tetrachloride	7.29	117	27959	0.13	ppbv	95
36) Benzene	7.16	78	27683	0.11	ppbv	98
37) 1,2-Dichloroethane	6.56	62	23374	0.12	ppbv #	97
38) Trichloroethene	8.12	130	8550	0.09	ppbv	86
39) 1,2-Dichloropropane	7.89	63	10287	0.11	ppbv #	81
40) 1,4-Dioxane	8.18	88	1452	0.04	ppbv #	1
41) Tetrahydrofuran	6.33	42	3554	0.04	ppbv #	38
42) Bromodichloromethane	8.07	83	12801	0.06	ppbv	91
43) Methyl Methacrylate	8.30	69	4969	0.06	ppbv #	25

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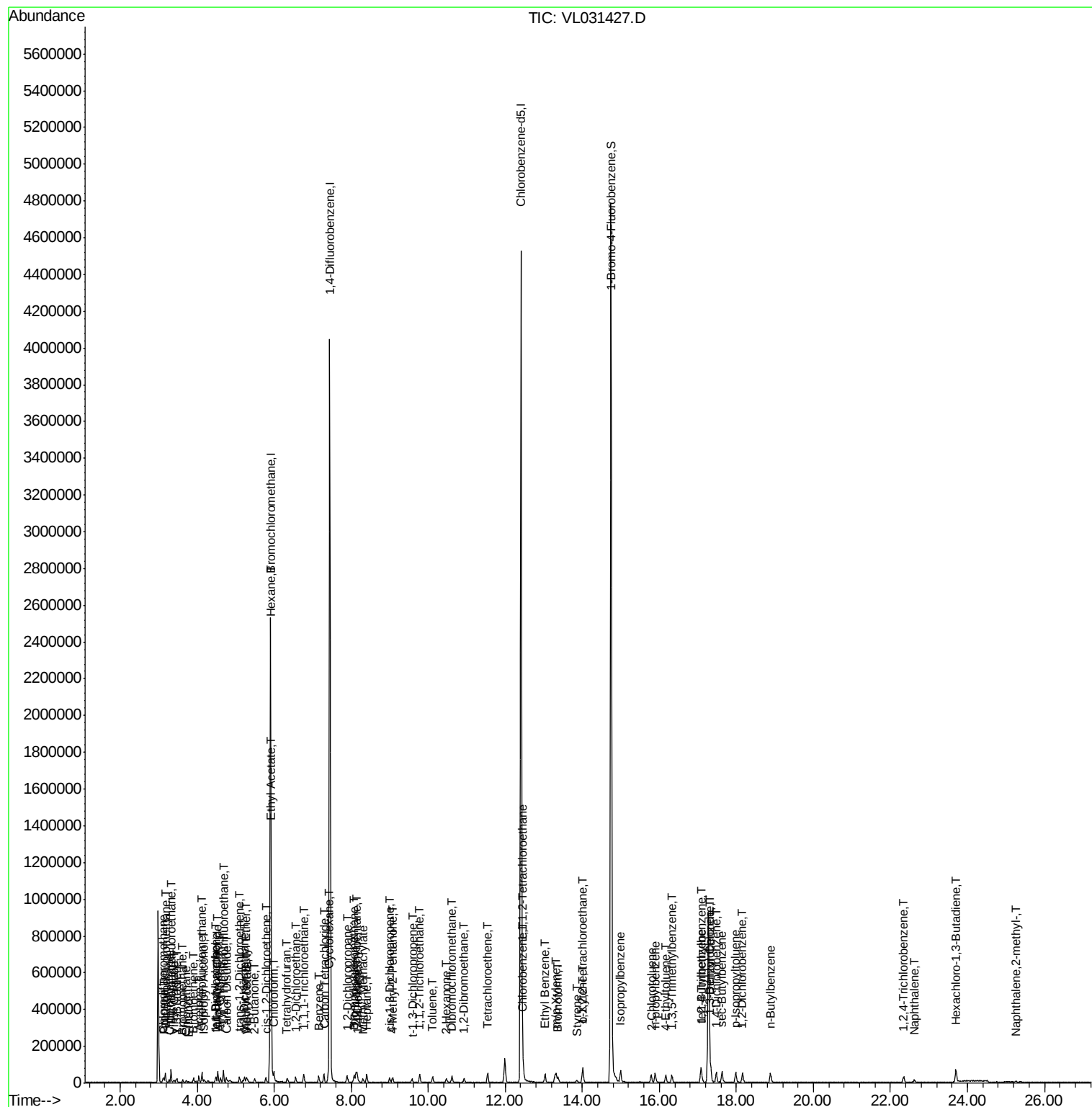
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	37939	0.09	ppbv #	82
45) t-1,3-Dichloropropene	9.61	75	731	0.01	ppbv	90
46) cis-1,3-Dichloropropene	9.00	75	4330	0.03	ppbv	96
47) 1,1,2-Trichloroethane	9.77	97	7182	0.07	ppbv	96
48) Dibromochloromethane	10.61	129	13144	0.07	ppbv #	10
49) Bromoform	13.37	173	2417	0.02	ppbv #	1
50) 4-Methyl-2-Pentanone	9.06	43	6478	0.03	ppbv #	41
51) 2-Hexanone	10.47	43	15223	0.07	ppbv #	99
52) Tetrachloroethene	11.54	164	11520	0.13	ppbv #	75
53) Toluene	10.11	91	22715	0.08	ppbv	96
54) 1,2-Dibromoethane	10.94	107	6465	0.04	ppbv	81
56) 1,1,1,2-Tetrachloroethane	12.45	131	2832	0.02	ppbv #	1
57) Chlorobenzene	12.47	112	31136	0.14	ppbv	91
58) Ethyl Benzene	13.03	91	35246	0.09	ppbv	90
59) m/p-Xylene	13.31	91	8456	0.03	ppbv #	1
60) o-Xylene	14.02	91	17472	0.05	ppbv	67
61) Styrene	13.85	104	1981	0.03	ppbv #	26
62) Isopropylbenzene	14.99	105	41431	0.10	ppbv	97
63) 1,1,2,2-Tetrachloroethane	14.00	83	16938	0.07	ppbv #	25
64) n-propylbenzene	15.89	120	2997	0.03	ppbv #	1
65) tert-Butylbenzene	17.08	119	16669	0.05	ppbv #	16
66) Benzyl Chloride	17.32	91	682	0.02	ppbv #	66
67) sec-Butylbenzene	17.63	105	46588	0.09	ppbv	96
69) p-Isopropyltoluene	17.98	119	17060	0.04	ppbv #	46
70) n-Butylbenzene	18.89	91	38238	0.09	ppbv	97
71) 2-Chlorotoluene	15.79	91	25882	0.08	ppbv	89
72) 4-Ethyltoluene	16.17	105	8133	0.02	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.32	105	14648	0.05	ppbv	97
74) 1,2,4-Trimethylbenzene	17.09	105	18132	0.05	ppbv #	64
75) 1,3-Dichlorobenzene	17.33	146	13018	0.06	ppbv #	1
76) 1,4-Dichlorobenzene	17.48	146	12904	0.06	ppbv #	23
77) 1,2-Dichlorobenzene	18.16	146	23871	0.12	ppbv	96
78) Hexachloro-1,3-Butadiene	23.70	225	7750	0.11	ppbv #	27
79) Naphthalene	22.62	128	8529	0.04	ppbv #	89
80) Naphthalene,2-methyl-	25.26	142	3925	0.07	ppbv	94
81) 1,2,4-Trichlorobenzene	22.33	180	3049	0.03	ppbv #	12

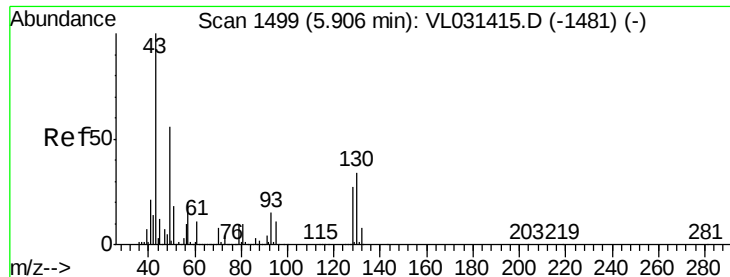
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

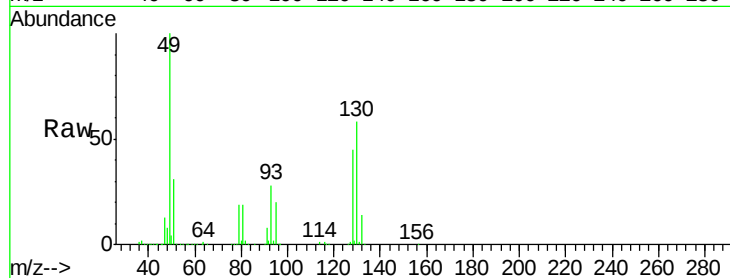
Tgt Ion: 49 Resp: 1205423

Ion Ratio Lower Upper

49 100

128 45.5 23.5 70.6

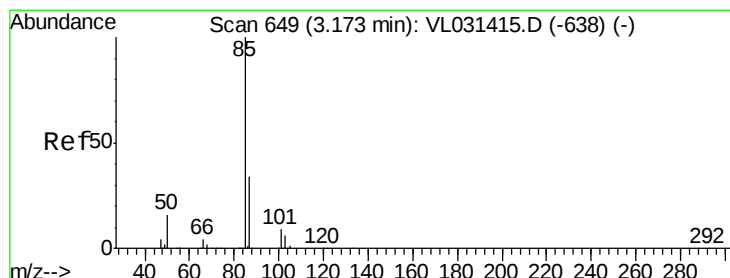
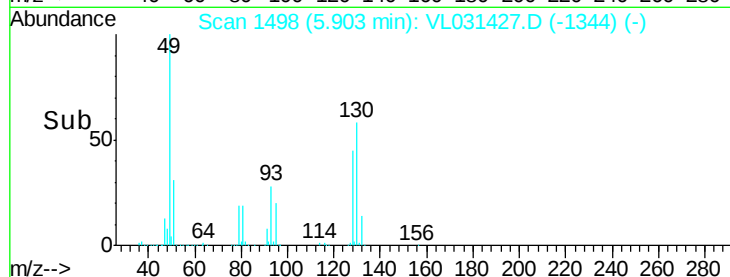
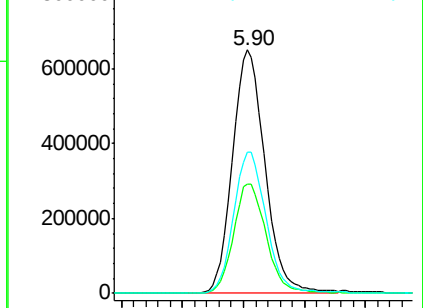
130 58.5 29.9 89.7



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: 0.20 ppbv

RT: 3.17 min Scan# 649

Delta R.T. -0.00 min

Lab File: VL031427.D

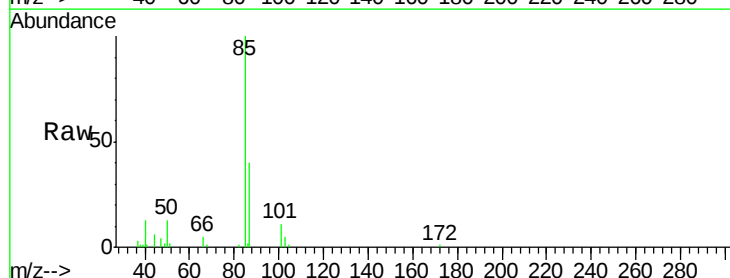
Acq: 22 Jan 2018 22:27

Tgt Ion: 85 Resp: 34840

Ion Ratio Lower Upper

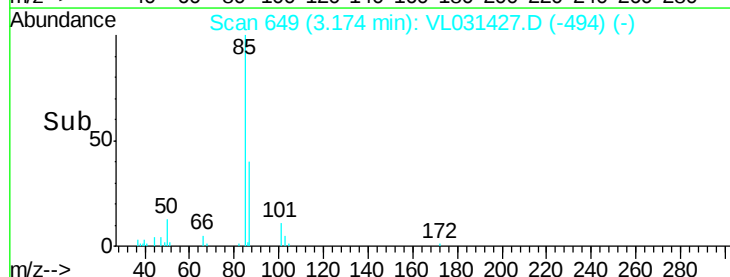
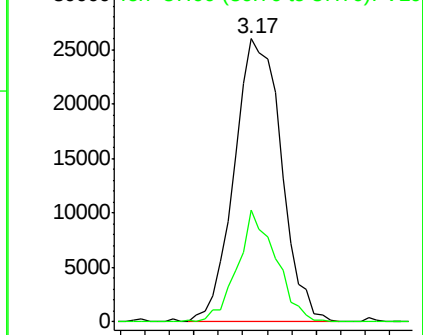
85 100

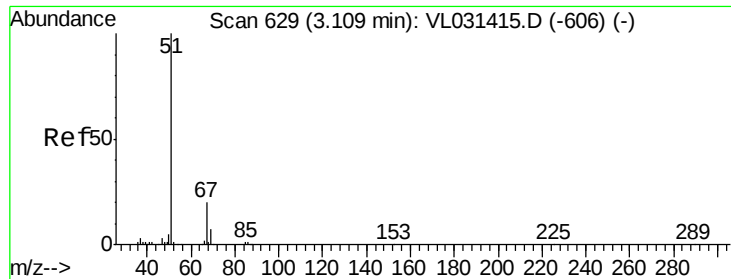
87 39.6 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.13 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

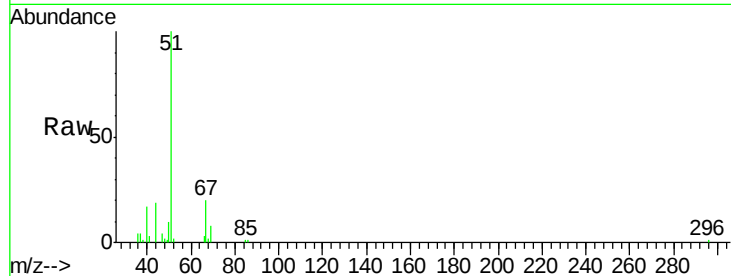
MDL-AIR-2

Tgt Ion: 51 Resp: 21035

Ion Ratio Lower Upper

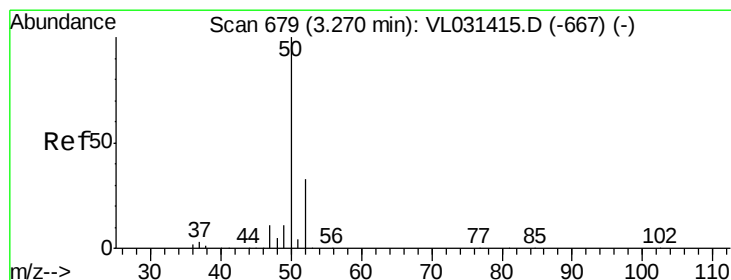
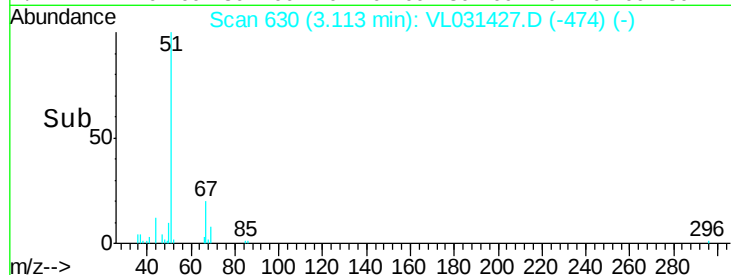
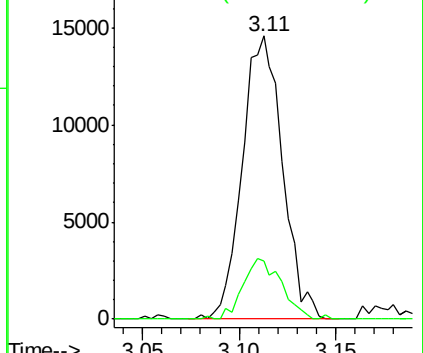
51 100

67 20.5 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: 0.14 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL031427.D

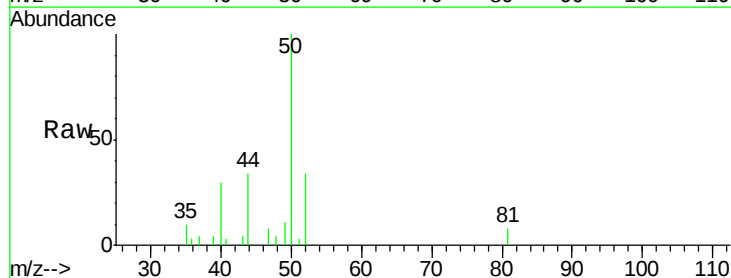
Acq: 22 Jan 2018 22:27

Tgt Ion: 50 Resp: 10126

Ion Ratio Lower Upper

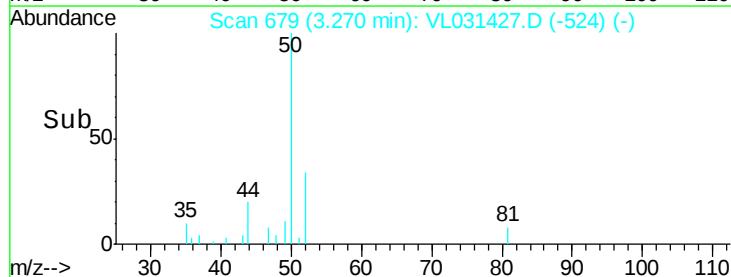
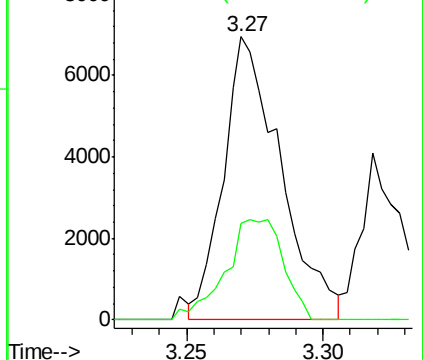
50 100

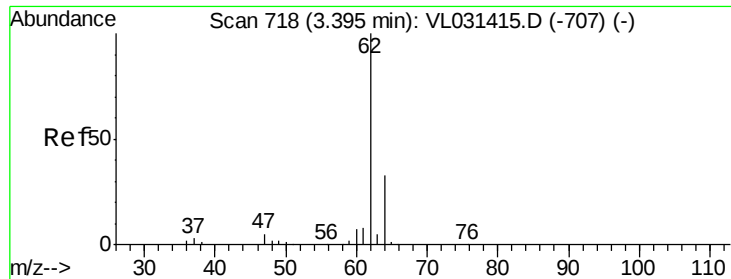
52 36.3 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

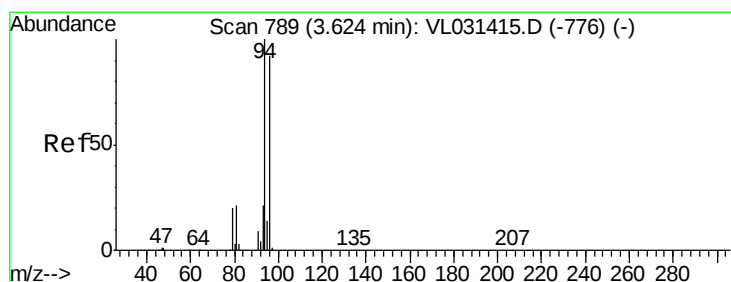
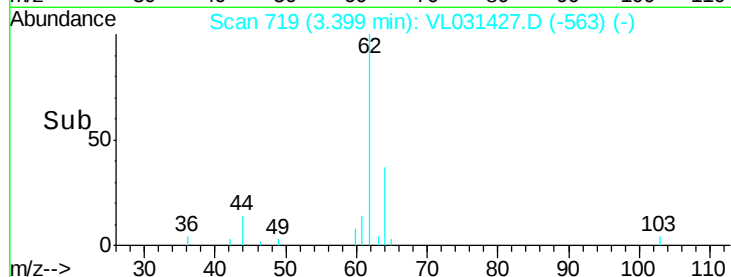
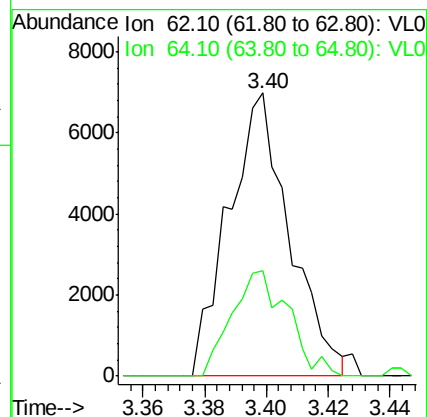
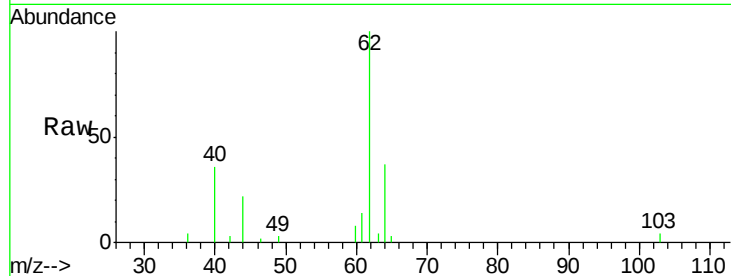




#5
 Vinyl Chloride
 Concen: 0.14 ppbv
 RT: 3.40 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

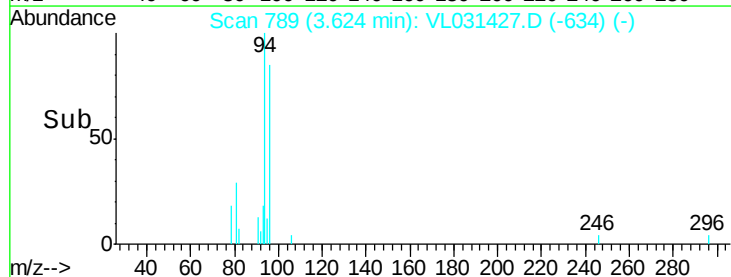
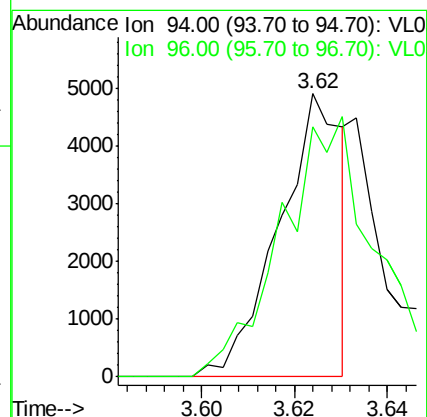
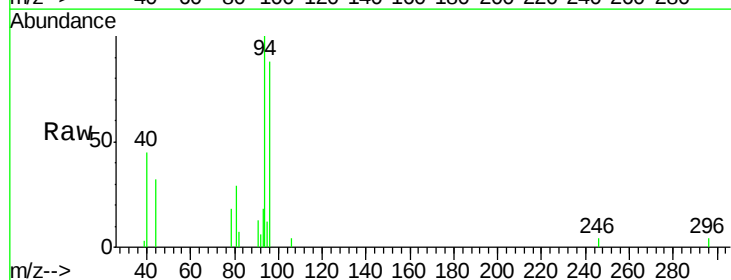
Instrument :
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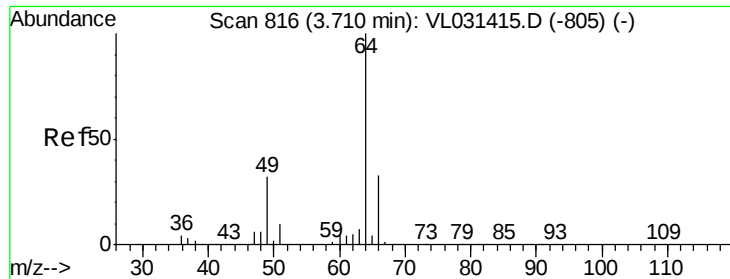
Tgt Ion: 62 Resp: 9570
 Ion Ratio Lower Upper
 62 100
 64 37.1 25.4 38.0



#6
 Bromomethane
 Concen: 0.09 ppbv
 RT: 3.62 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 94 Resp: 4655
 Ion Ratio Lower Upper
 94 100
 96 88.2 75.1 112.7





#7

Chloroethane

Concen: 0.14 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

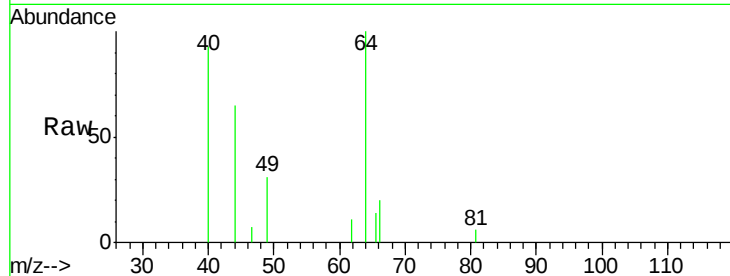
MDL-AIR-2

Tgt Ion: 64 Resp: 4167

Ion Ratio Lower Upper

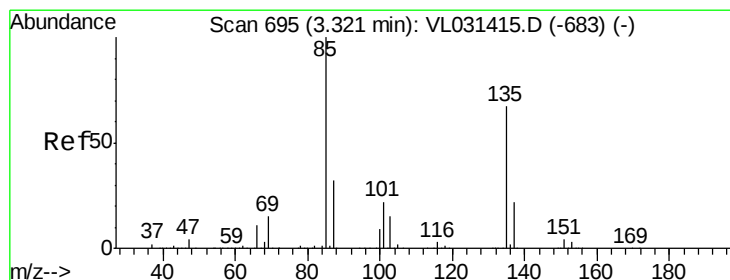
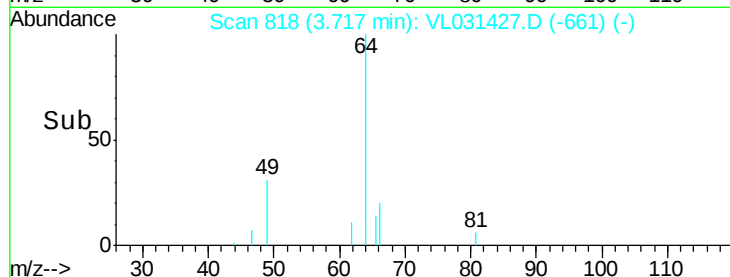
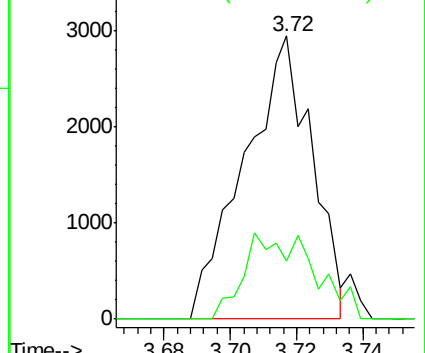
64 100

66 20.5 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# 695

Delta R.T. -0.00 min

Lab File: VL031427.D

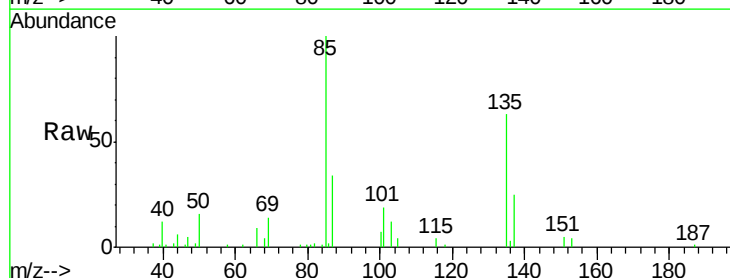
Acq: 22 Jan 2018 22:27

Tgt Ion: 85 Resp: 27684

Ion Ratio Lower Upper

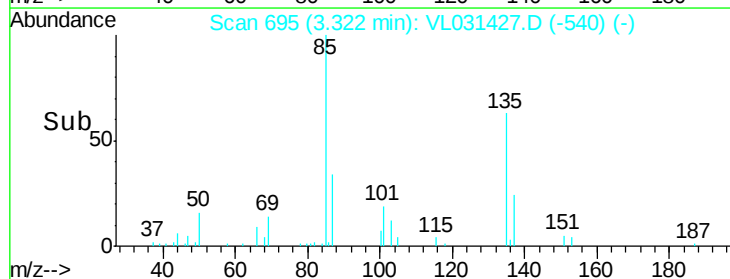
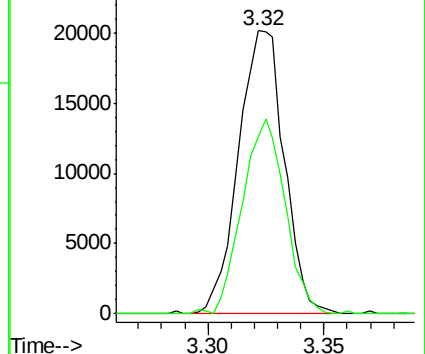
85 100

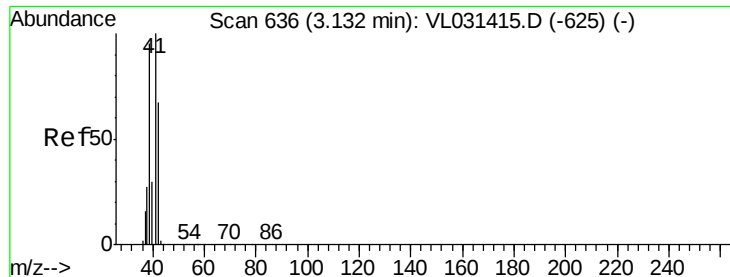
135 64.5 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.10 ppbv

RT: 3.14 min Scan# 637

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

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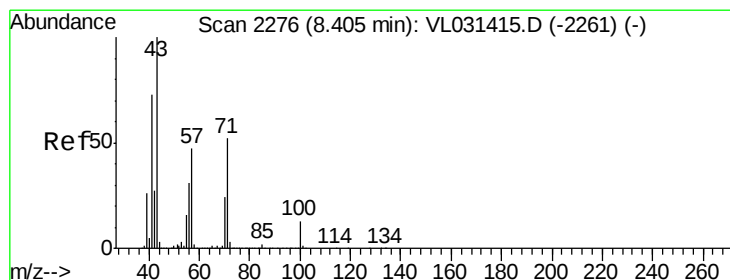
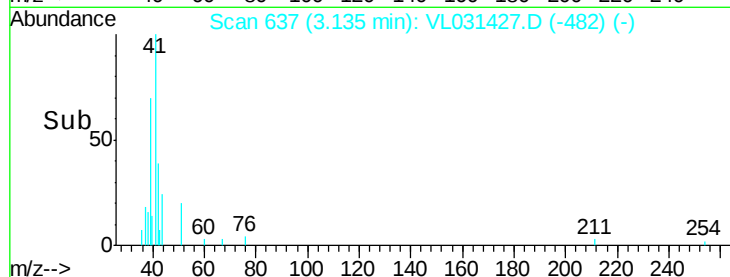
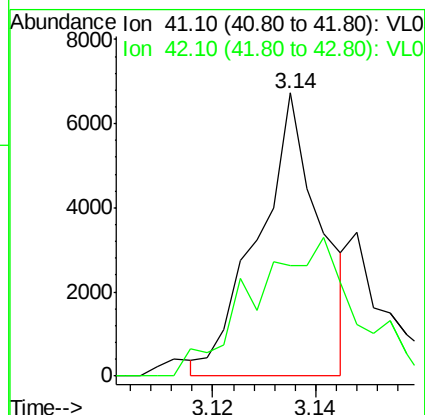
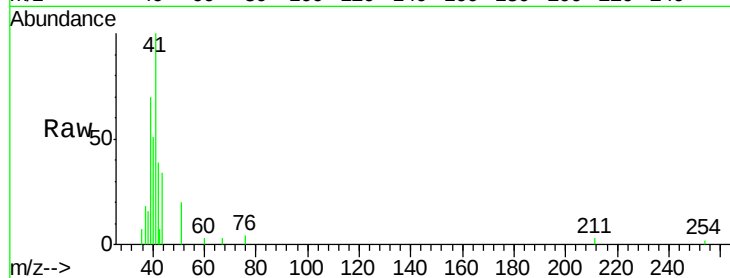
MDL-AIR-2

Tgt Ion: 41 Resp: 5595

Ion Ratio Lower Upper

41 100

42 0.0 54.6 82.0#



#10

Heptane

Concen: 0.09 ppbv

RT: 8.40 min Scan# 2274

Delta R.T. -0.01 min

Lab File: VL031427.D

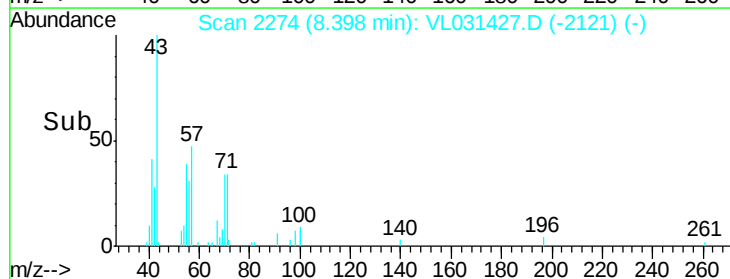
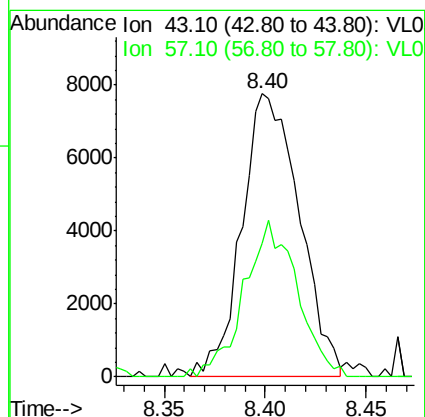
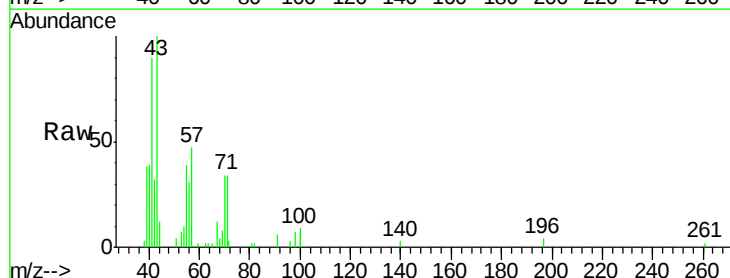
Acq: 22 Jan 2018 22:27

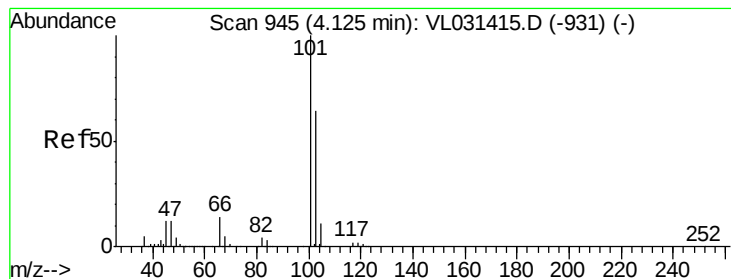
Tgt Ion: 43 Resp: 15464

Ion Ratio Lower Upper

43 100

57 50.9 39.7 59.5





#11

Trichlorofluoromethane

Concen: 0.14 ppbv

RT: 4.13 min Scan# 945

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

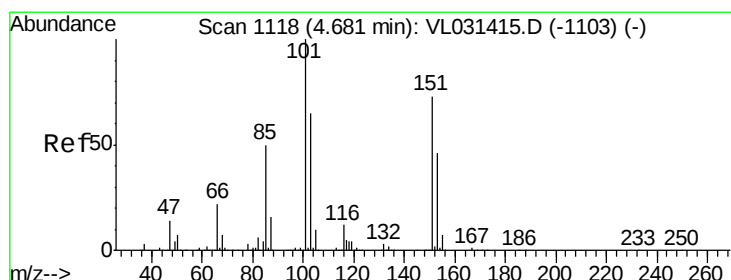
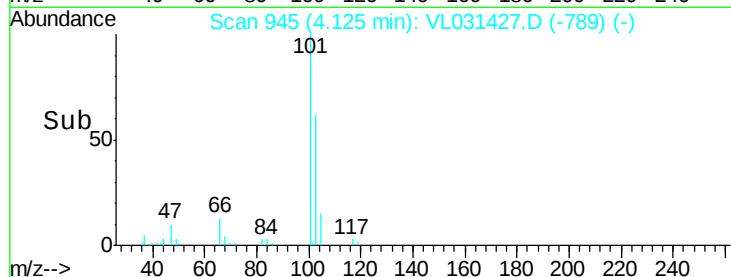
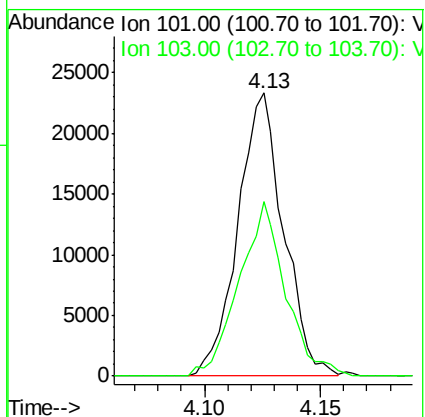
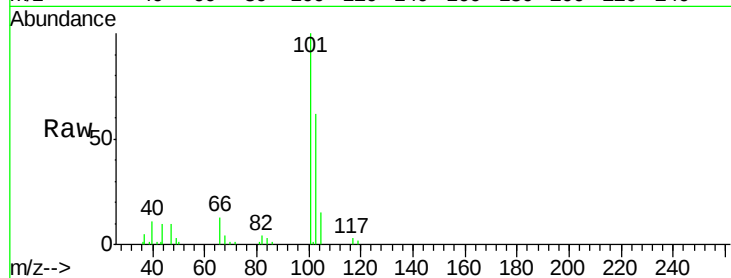
MDL-AIR-2

Tgt Ion:101 Resp: 32017

Ion Ratio Lower Upper

101 100

103 61.7 53.1 79.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.15 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL031427.D

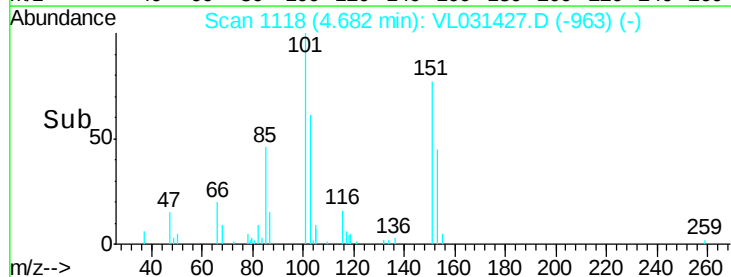
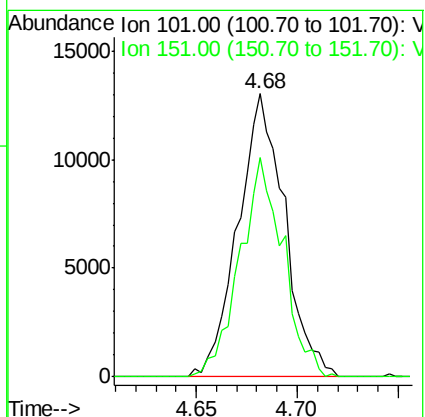
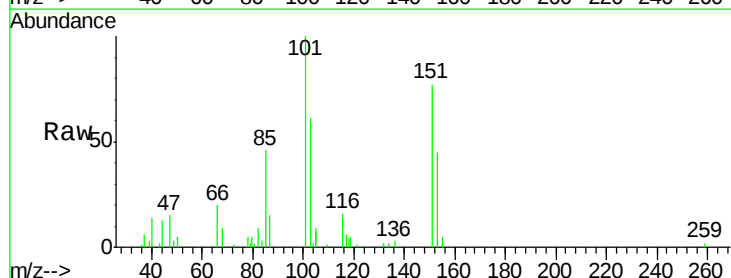
Acq: 22 Jan 2018 22:27

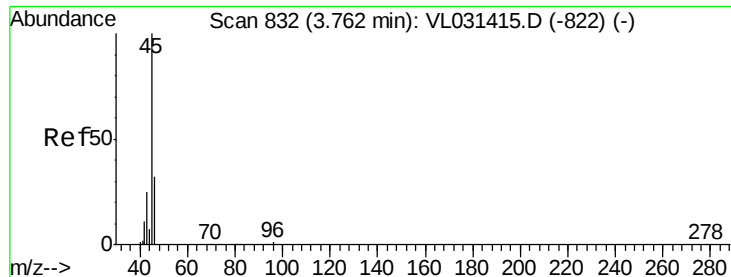
Tgt Ion:101 Resp: 21004

Ion Ratio Lower Upper

101 100

151 72.1 58.1 87.1

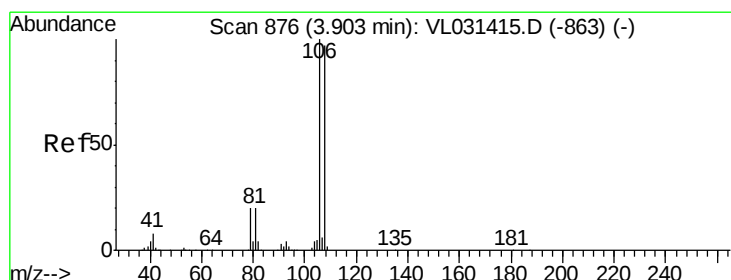
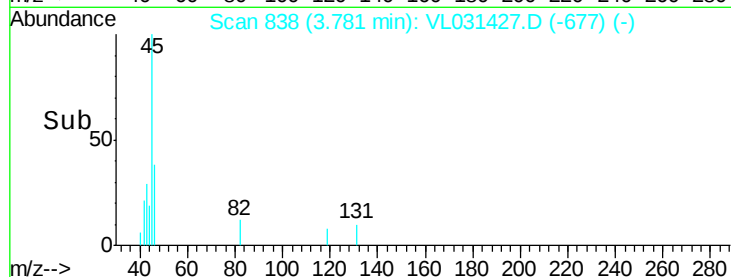
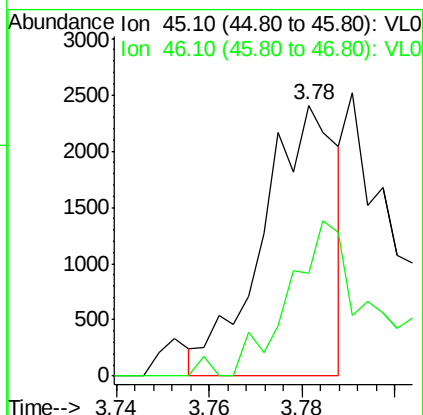
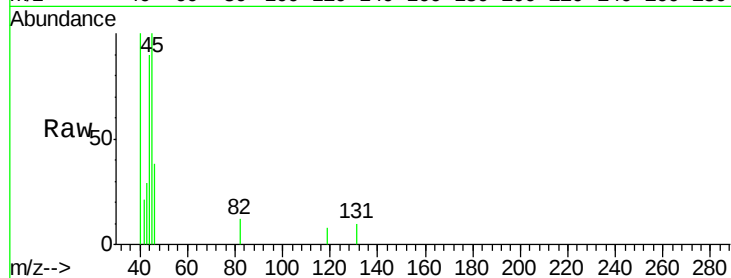




#13
Ethanol
Concen: 0.16 ppbv
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

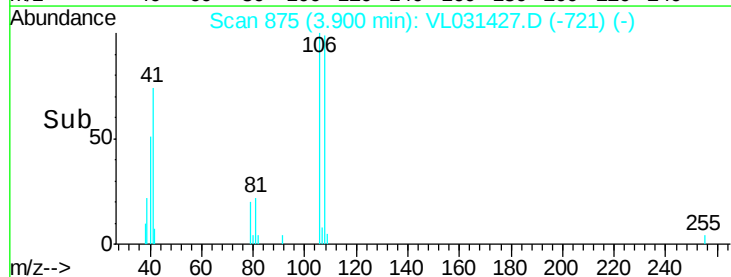
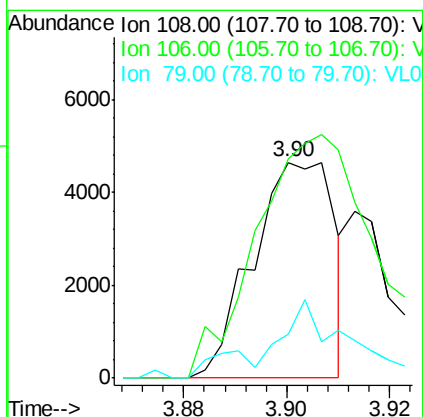
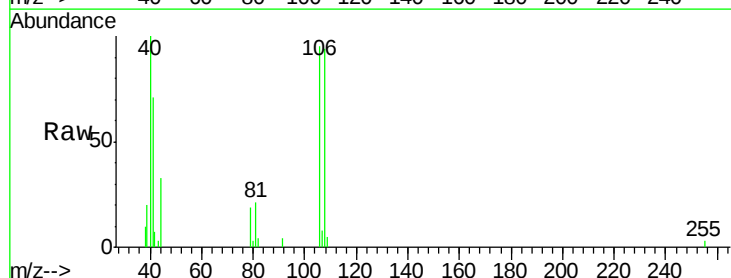
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

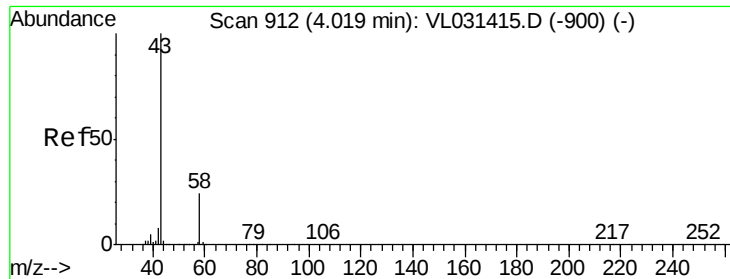
Tgt Ion: 45 Resp: 2664
Ion Ratio Lower Upper
45 100
46 69.5 14.9 59.5#



#14
Bromoethene
Concen: 0.09 ppbv
RT: 3.90 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 108 Resp: 5090
Ion Ratio Lower Upper
108 100
106 165.6 85.3 127.9#
79 37.7 16.8 25.2#





#15

Acetone

Concen: 0.20 ppbv

RT: 4.04 min Scan# 920

Delta R.T. 0.02 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

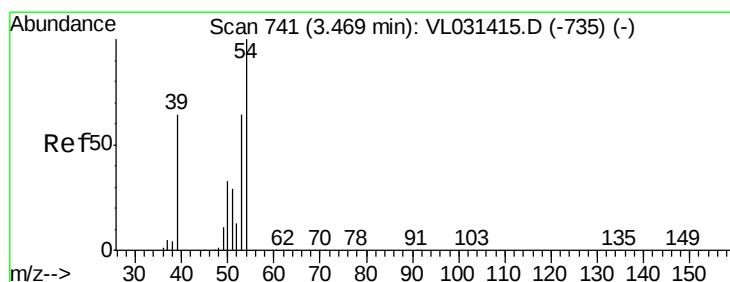
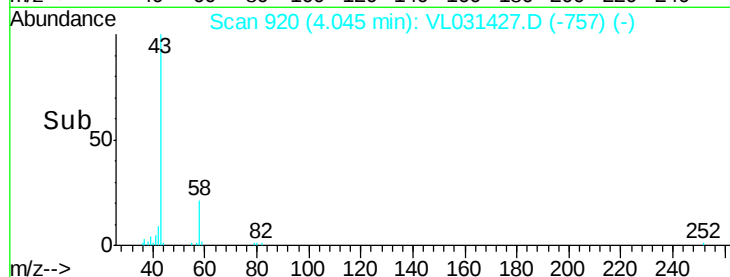
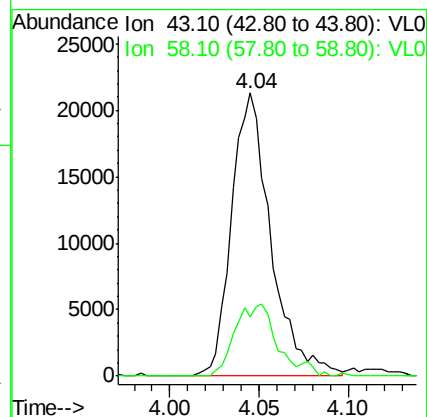
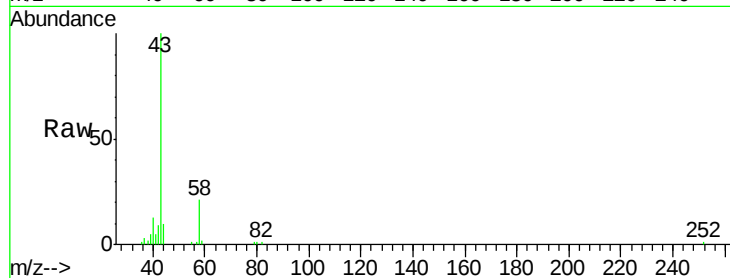
MDL-AIR-2

Tgt Ion: 43 Resp: 32716

Ion Ratio Lower Upper

43 100

58 27.8 19.4 29.2



#16

1,3-Butadiene

Concen: 0.12 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031427.D

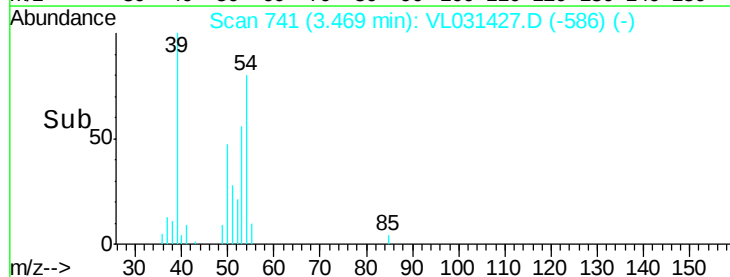
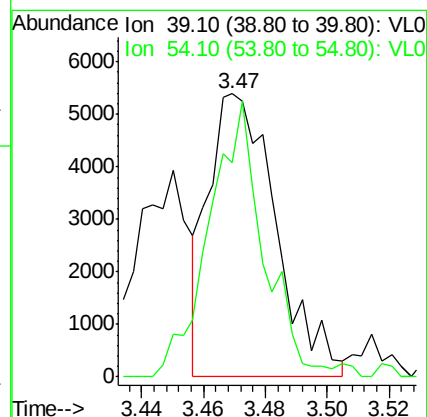
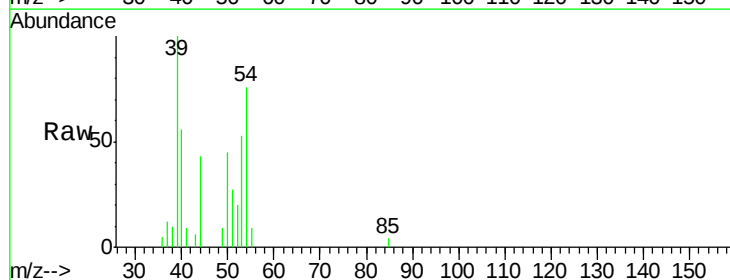
Acq: 22 Jan 2018 22:27

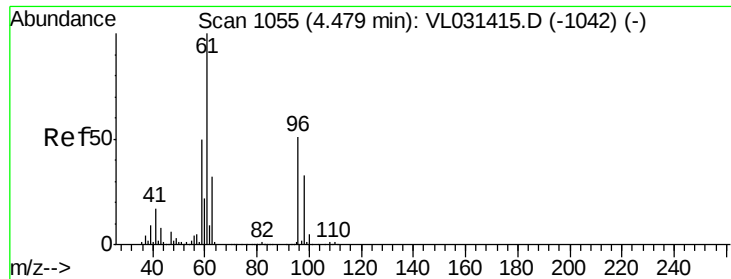
Tgt Ion: 39 Resp: 8168

Ion Ratio Lower Upper

39 100

54 80.6 67.0 100.6

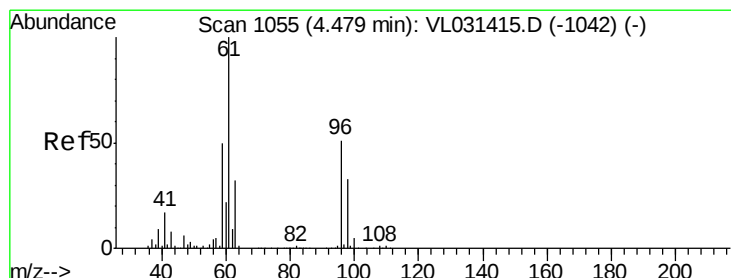
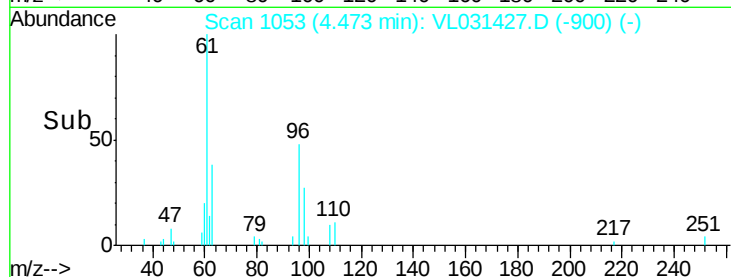
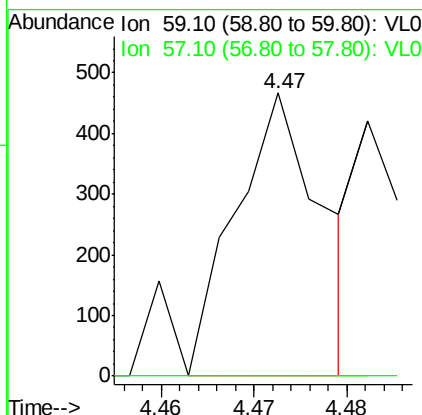
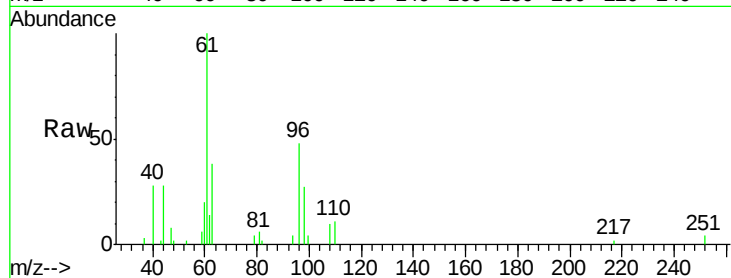




#17
 tert-Butyl alcohol
 Concen: 0.00 ppbv
 RT: 4.47 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

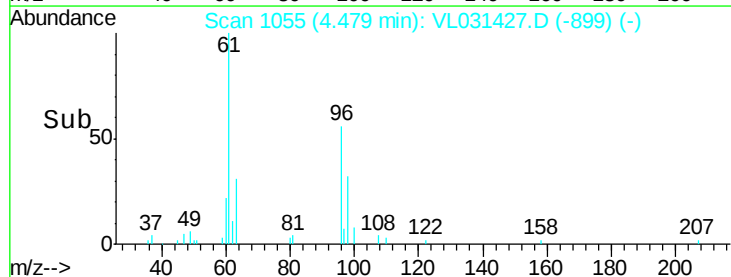
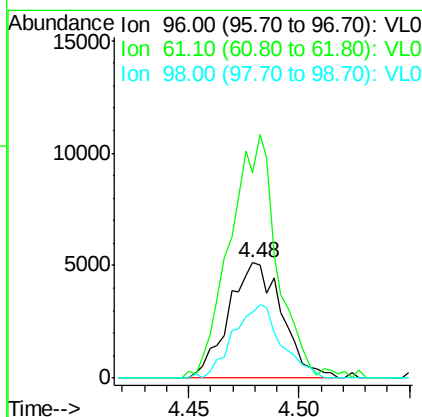
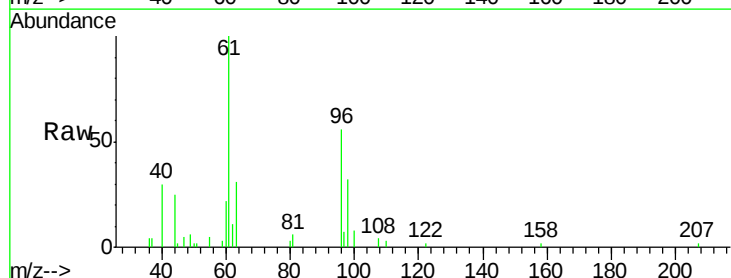
Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-2

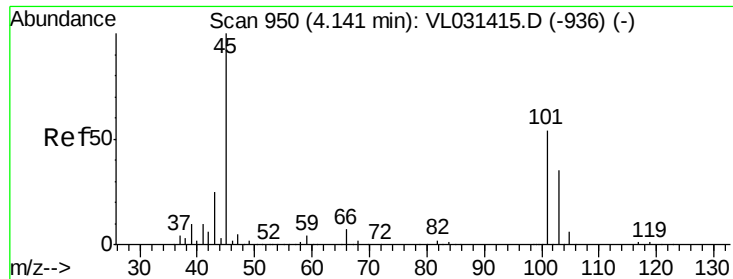
Tgt Ion: 59 Resp: 301
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#



#18
 1,1-Dichloroethene
 Concen: 0.14 ppbv
 RT: 4.48 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 96 Resp: 8646
 Ion Ratio Lower Upper
 96 100
 61 175.0 161.6 242.4
 98 56.6 49.6 74.4





#19

Isopropyl Alcohol

Concen: 0.13 ppbv

RT: 4.18 min Scan# 961

Delta R.T. 0.03 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

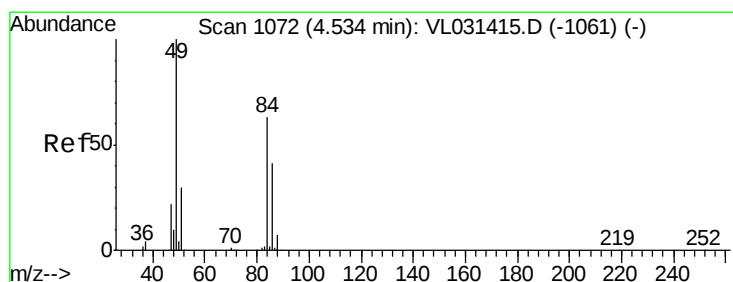
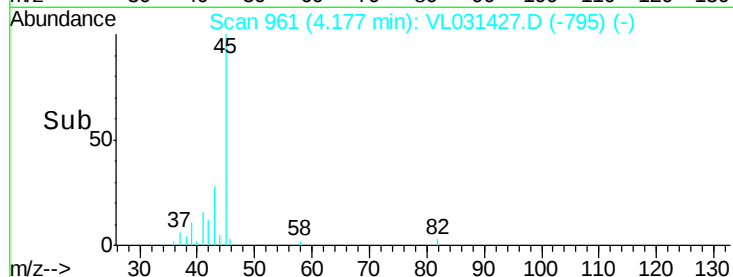
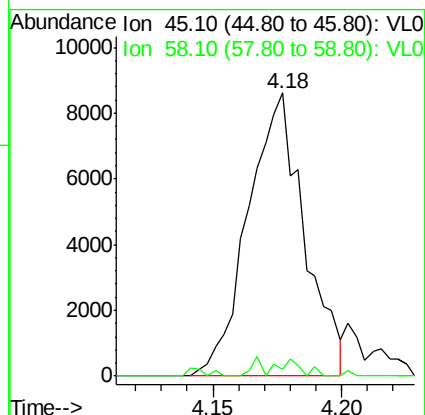
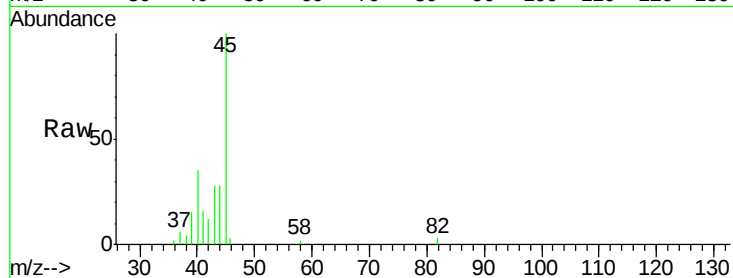
MDL-AIR-2

Tgt Ion: 45 Resp: 13096

Ion Ratio Lower Upper

45 100

58 2.7 1.0 1.4#



#20

Methylene Chloride

Concen: 0.27 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion: 84 Resp: 16663

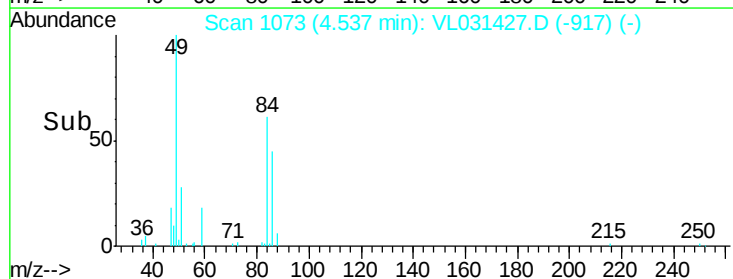
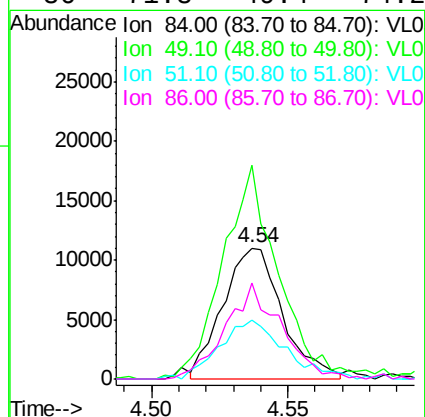
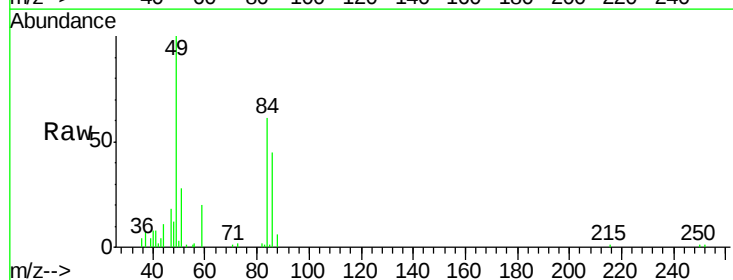
Ion Ratio Lower Upper

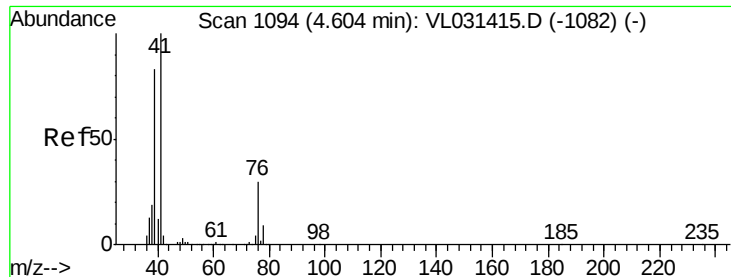
84 100

49 159.6 123.4 185.0

51 41.9 35.6 53.4

86 71.8 49.4 74.2

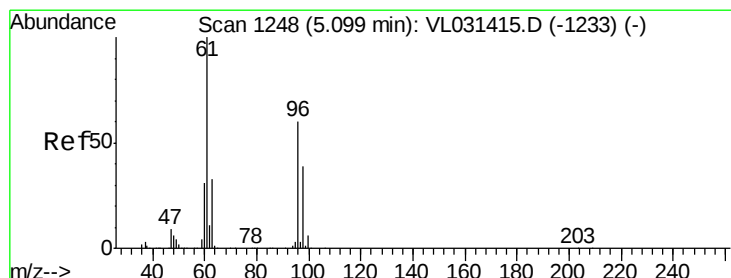
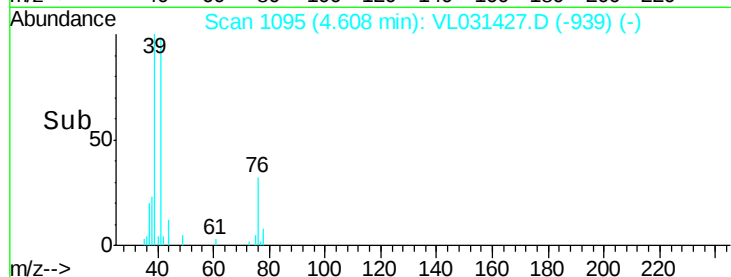
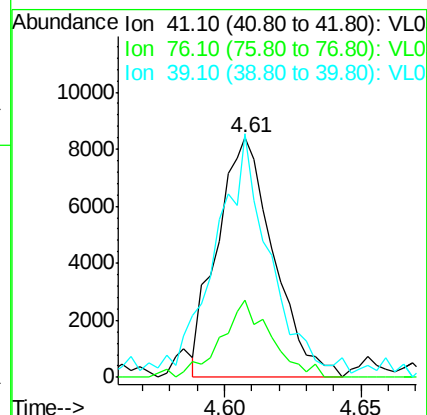
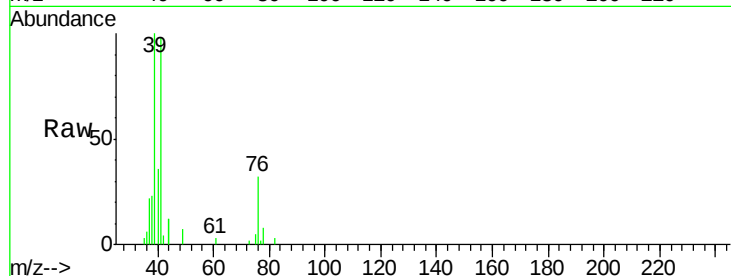




#21
 Allyl Chloride
 Concen: 0.13 ppbv
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

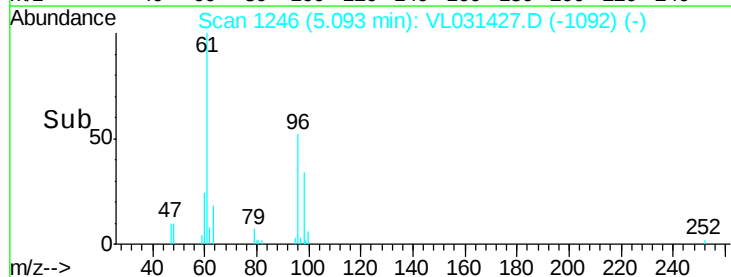
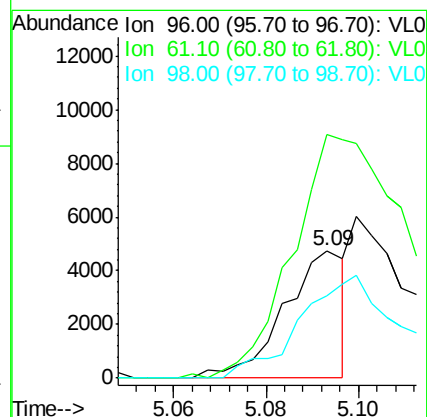
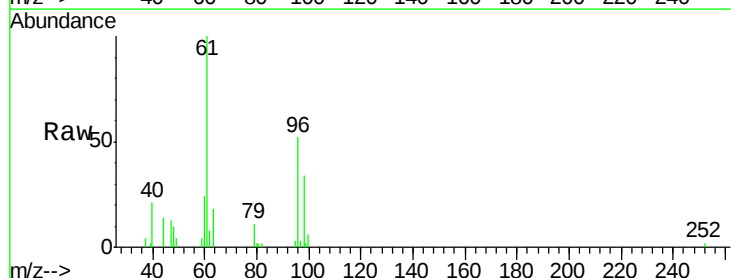
Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-2

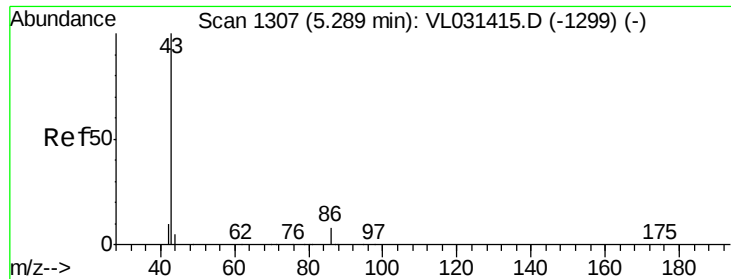
Tgt Ion: 41 Resp: 12055
 Ion Ratio Lower Upper
 41 100
 76 29.1 24.2 36.2
 39 107.2 69.8 104.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.07 ppbv
 RT: 5.09 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 96 Resp: 4312
 Ion Ratio Lower Upper
 96 100
 61 187.1 135.0 202.4
 98 64.6 52.2 78.2

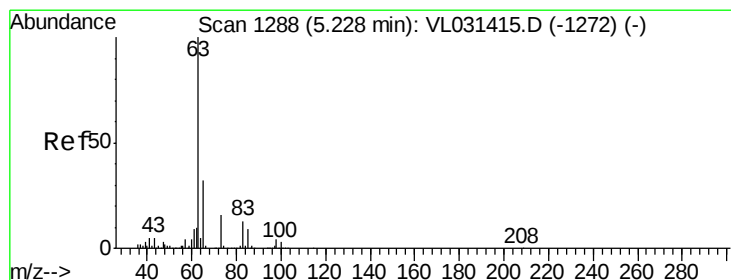
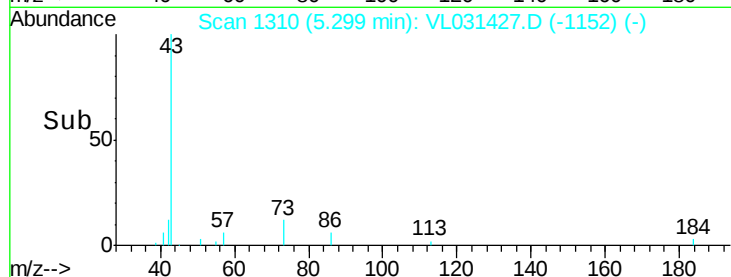
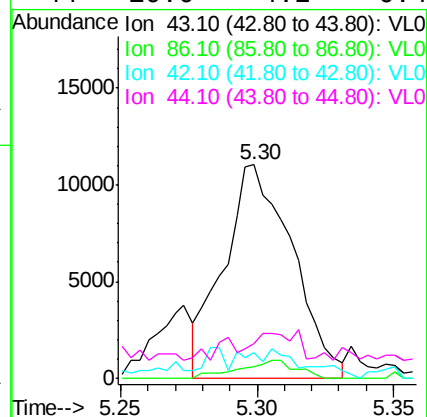
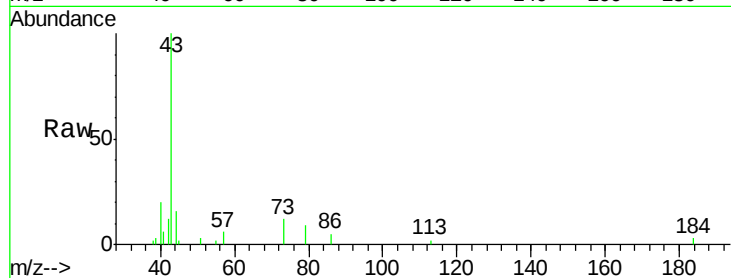




#23
 Vinyl Acetate
 Concen: 0.10 ppbv
 RT: 5.30 min Scan# 1310
 Delta R.T. 0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

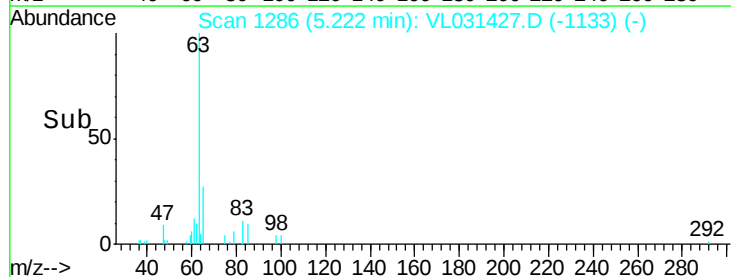
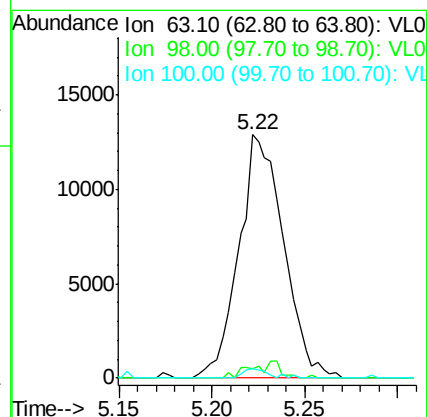
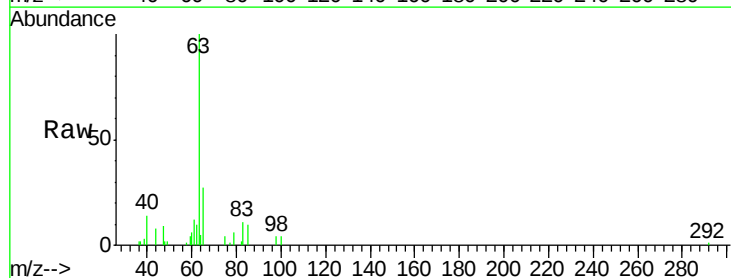
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

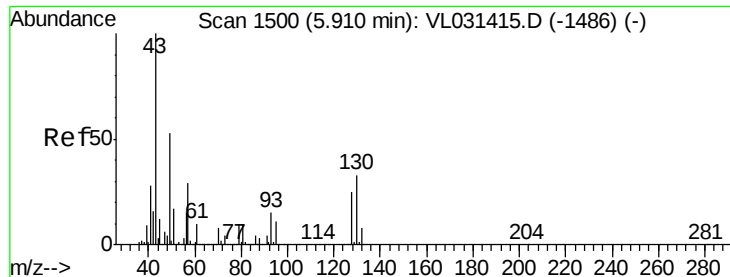
Tgt Ion:	43	Resp:	19323
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.6	8.4
42	8.7	8.6	12.8
44	10.0	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.13 ppbv
 RT: 5.22 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion:	63	Resp:	21661
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.1
100	3.8	1.3	3.9

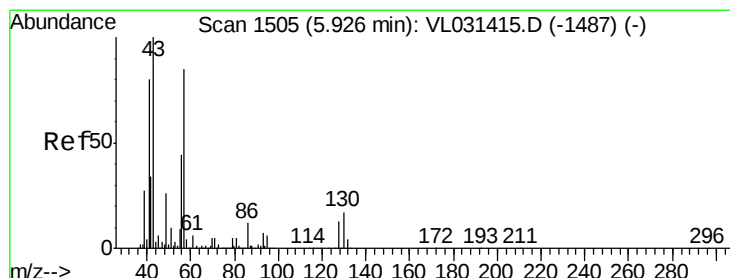
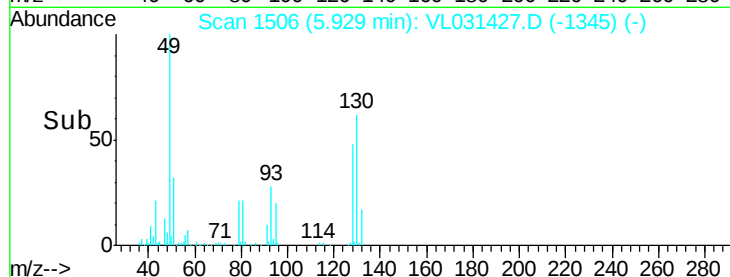
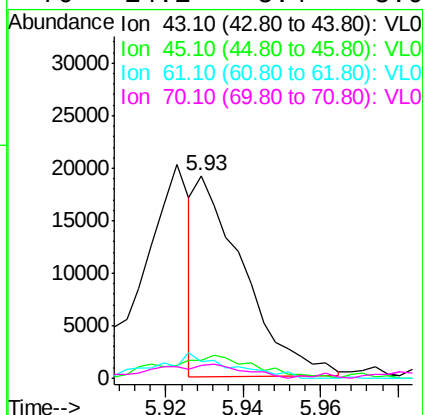
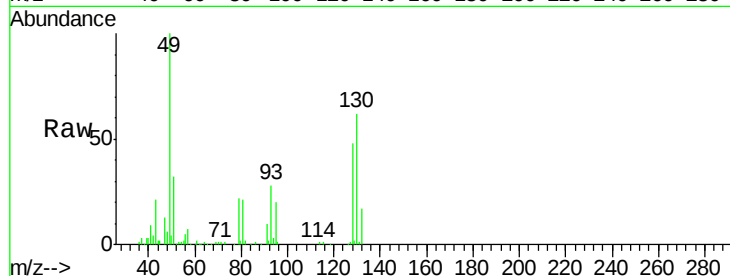




#25
Ethyl Acetate
Concen: 0.06 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

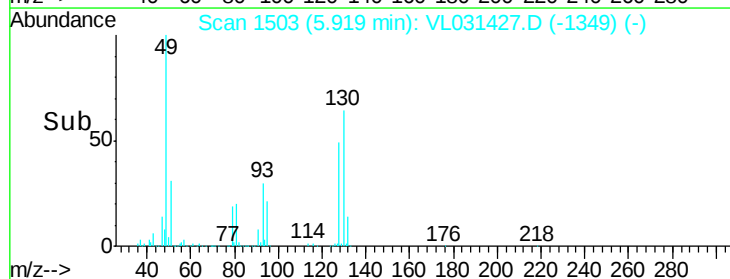
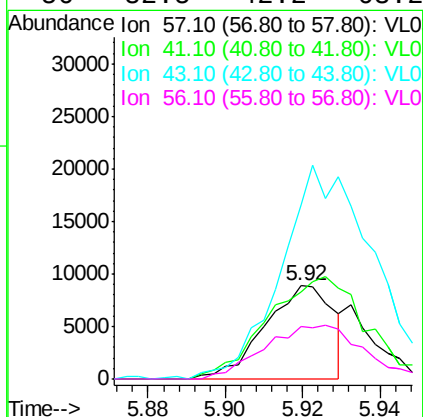
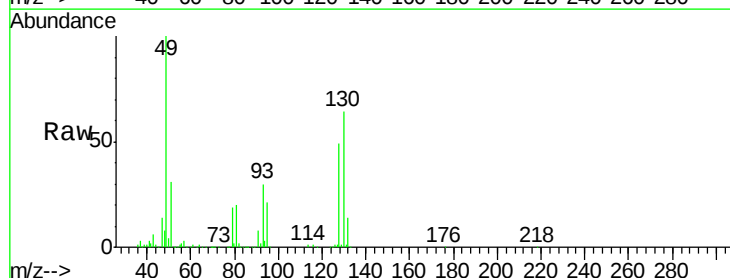
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

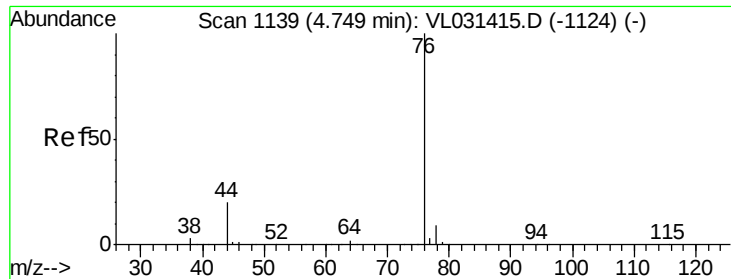
Tgt Ion:	43	Resp:	16432
Ion	Ratio	Lower	Upper
43	100		
45	24.9	7.8	11.6#
61	20.1	7.0	10.6#
70	14.1	5.4	8.0#



#26
Hexane
Concen: 0.09 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion:	57	Resp:	10974
Ion	Ratio	Lower	Upper
57	100		
41	156.3	77.1	115.7#
43	323.0	180.7	271.1#
56	82.5	42.2	63.2#

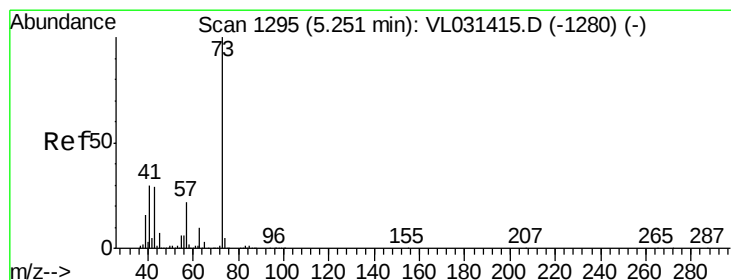
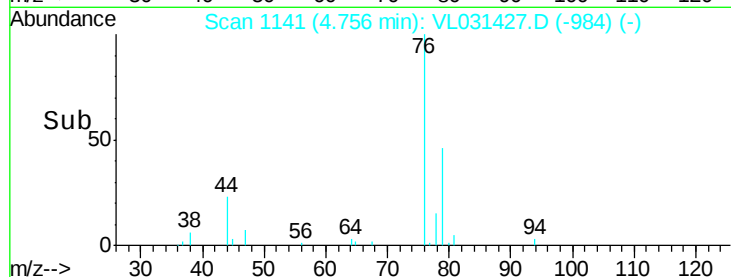
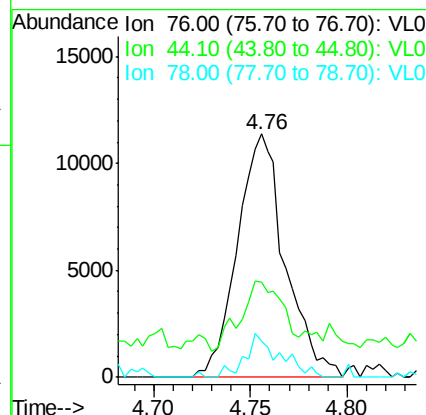
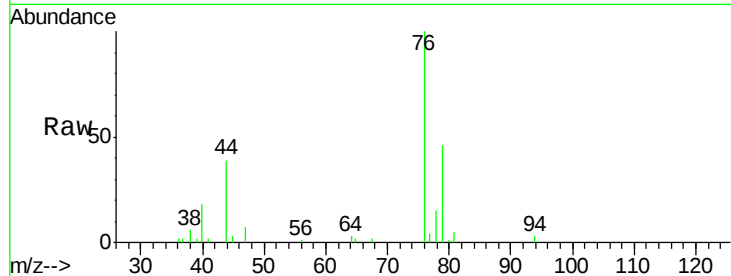




#27
Carbon Disulfide
Concen: 0.12 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

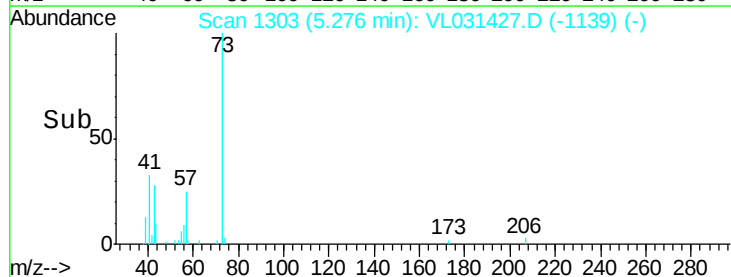
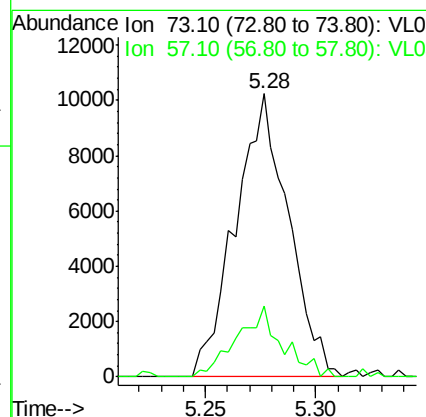
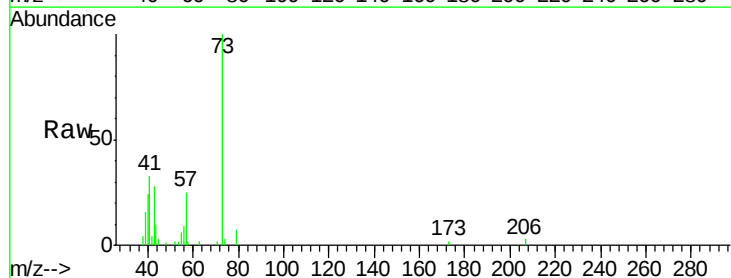
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

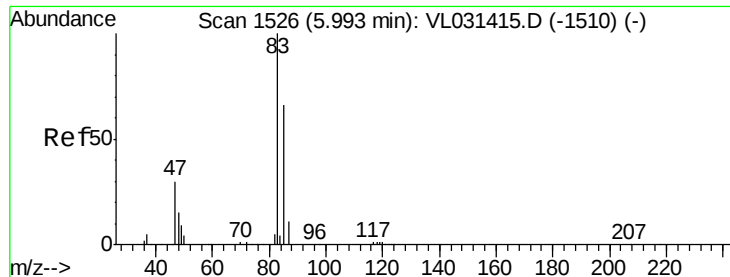
Tgt Ion: 76 Resp: 19510
Ion Ratio Lower Upper
76 100
44 34.5 16.7 25.1#
78 13.3 7.5 11.3#



#28
Methyl tert-Butyl Ether
Concen: 0.11 ppbv
RT: 5.28 min Scan# 1303
Delta R.T. 0.03 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 73 Resp: 17103
Ion Ratio Lower Upper
73 100
57 21.7 17.5 26.3

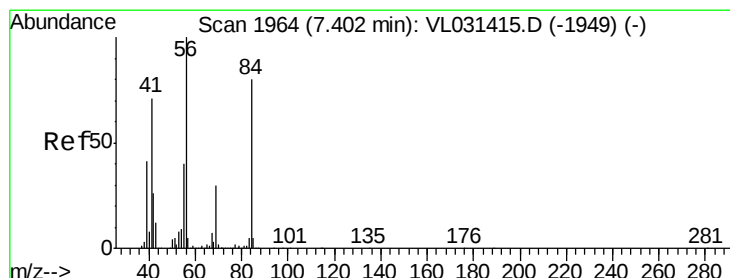
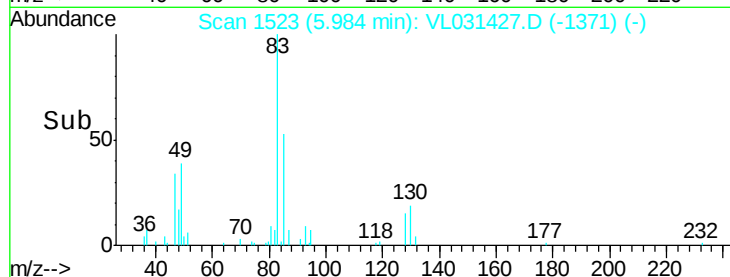
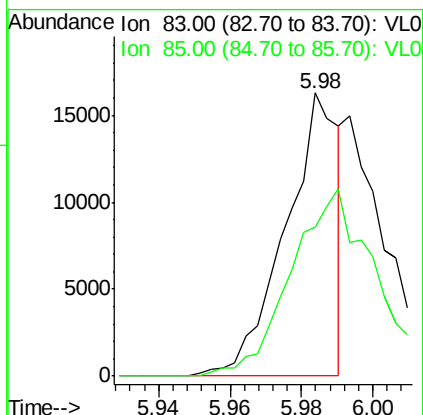
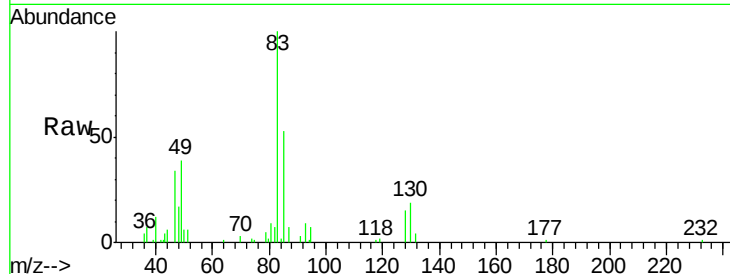




#29
Chloroform
Concen: 0.08 ppbv
RT: 5.98 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

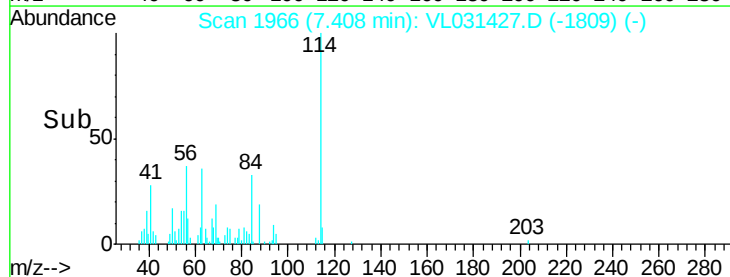
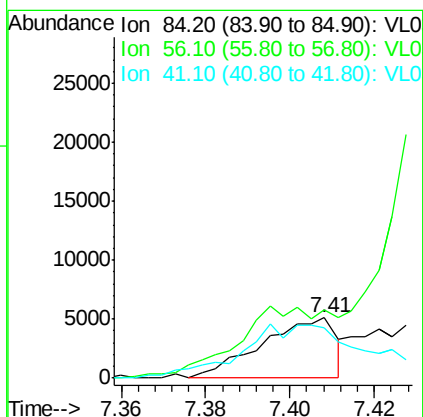
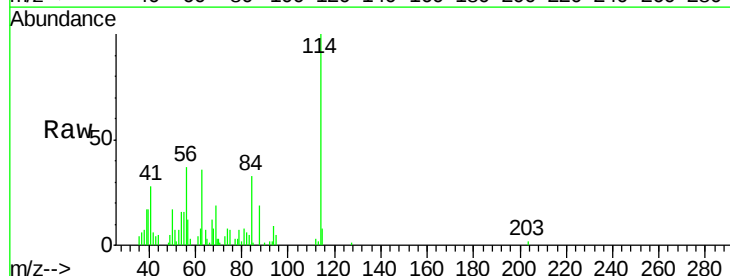
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

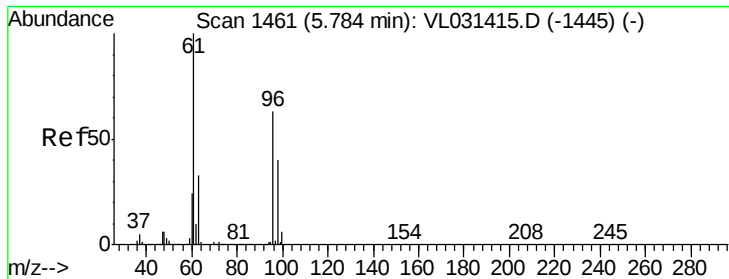
Tgt Ion: 83 Resp: 16695
Ion Ratio Lower Upper
83 100
85 52.7 51.3 76.9



#30
Cyclohexane
Concen: 0.06 ppbv
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 84 Resp: 6231
Ion Ratio Lower Upper
84 100
56 0.0 109.0 163.4#
41 158.4 73.3 109.9#





#31

cis-1,2-Dichloroethene

Concen: 0.11 ppbv

RT: 5.78 min Scan# 1459

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

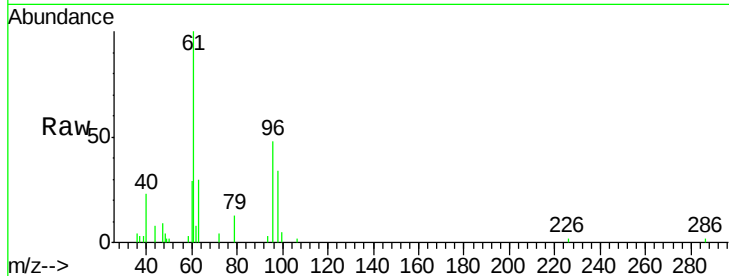
Tgt Ion: 61 Resp: 13662

Ion Ratio Lower Upper

61 100

96 44.1 51.3 76.9#

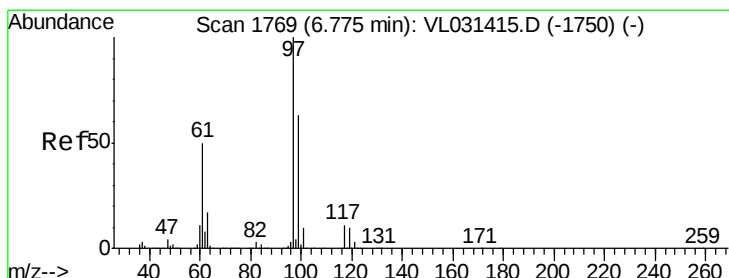
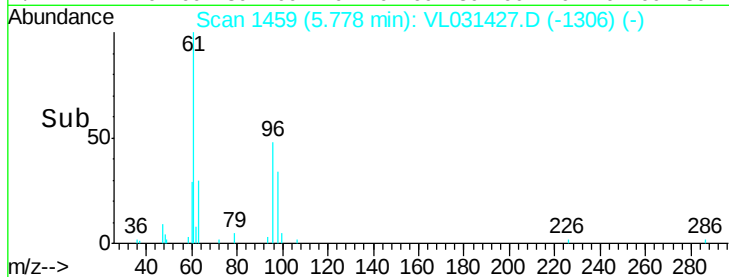
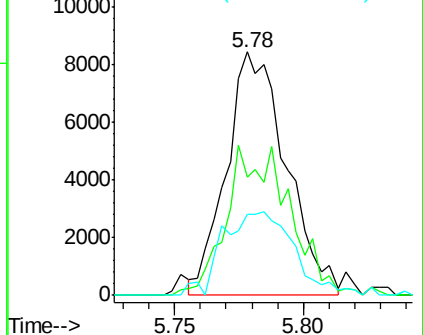
98 29.7 33.6 50.4#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.12 ppbv

RT: 6.77 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

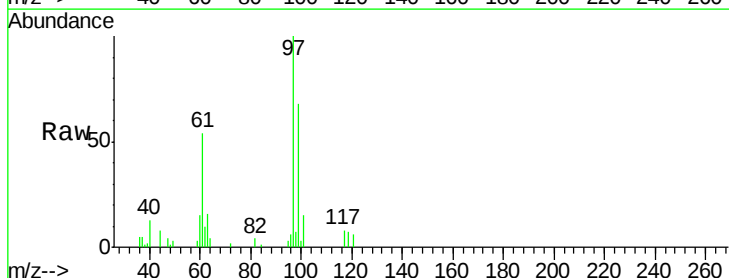
Tgt Ion: 97 Resp: 25324

Ion Ratio Lower Upper

97 100

99 69.4 51.9 77.9

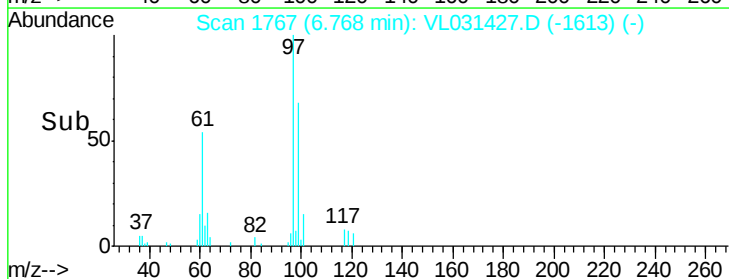
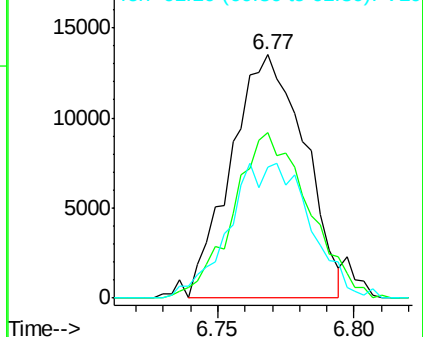
61 60.8 40.6 61.0

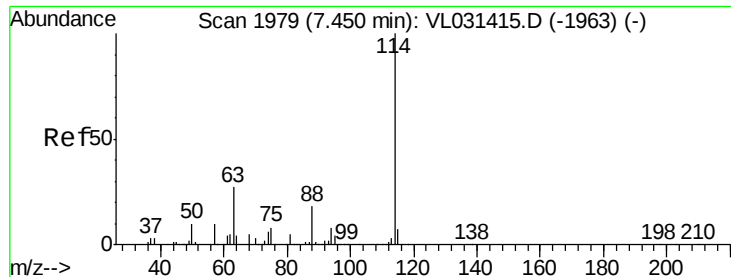


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

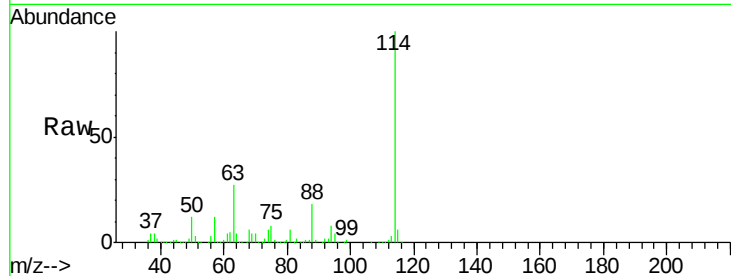




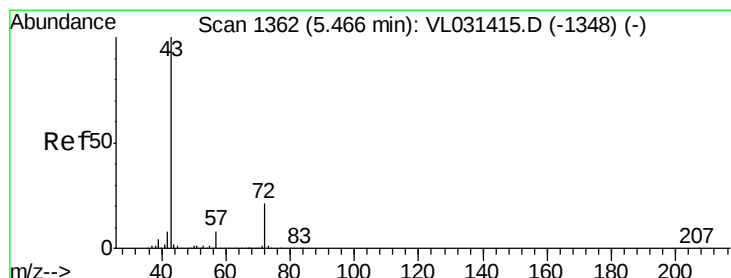
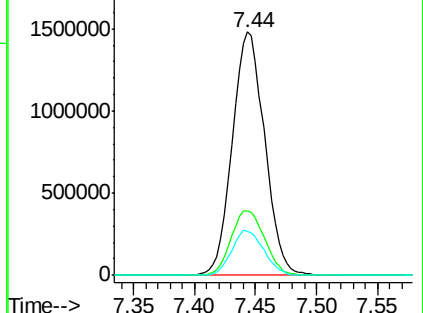
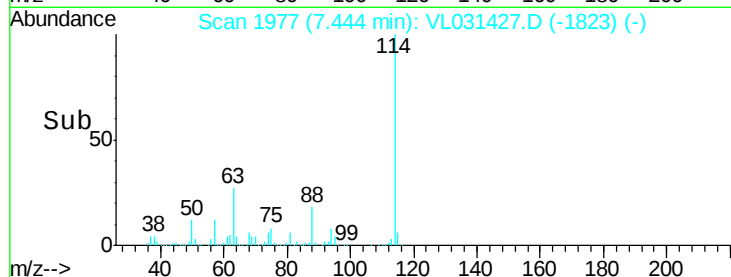
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tgt Ion:114 Resp: 2730302
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.5 33.7
 88 18.4 14.6 22.0

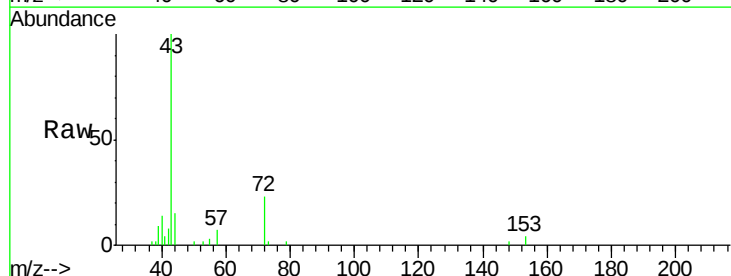


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

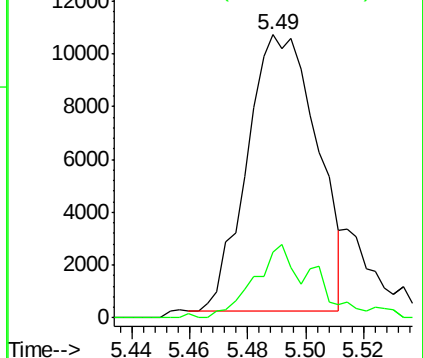
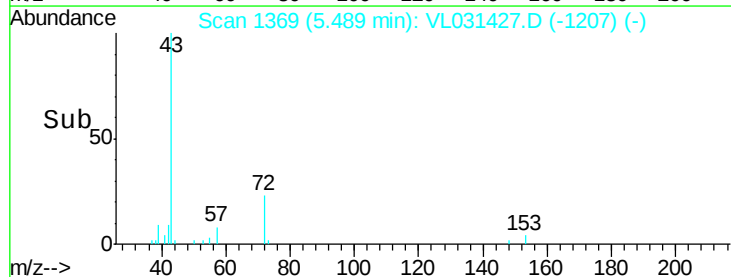


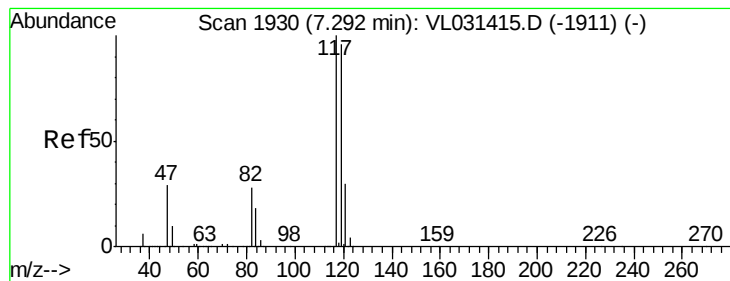
#34
 2-Butanone
 Concen: 0.10 ppbv
 RT: 5.49 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 43 Resp: 17458
 Ion Ratio Lower Upper
 43 100
 72 23.4 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: 0.13 ppbv

RT: 7.29 min Scan# 1928

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

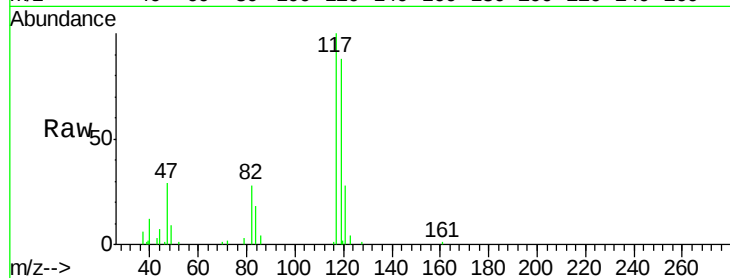
Tgt Ion: 117 Resp: 27959

Ion Ratio Lower Upper

117 100

119 87.8 74.2 111.4

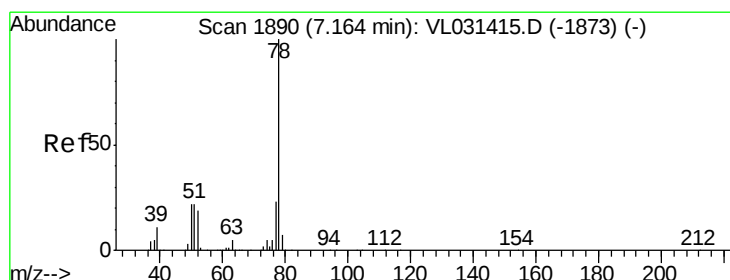
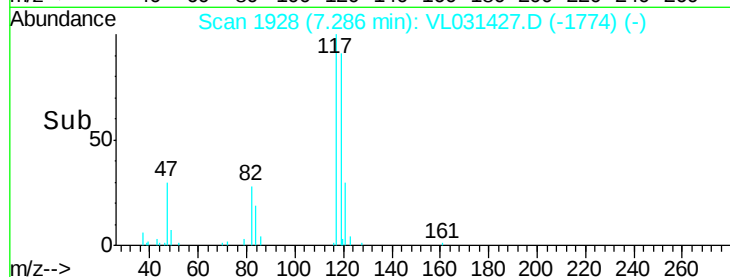
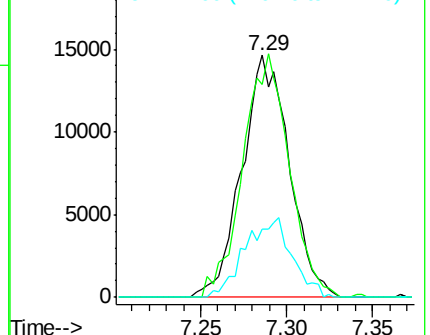
121 28.3 24.2 36.4



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: 0.11 ppbv

RT: 7.16 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

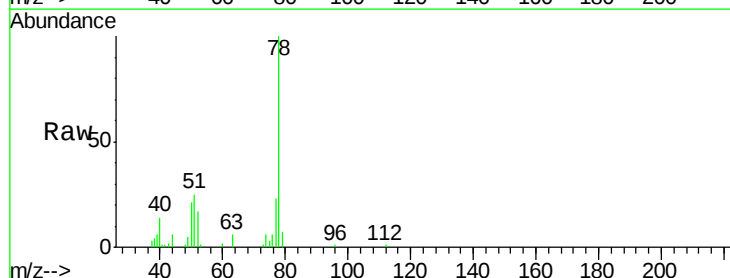
Tgt Ion: 78 Resp: 27683

Ion Ratio Lower Upper

78 100

77 23.2 18.7 28.1

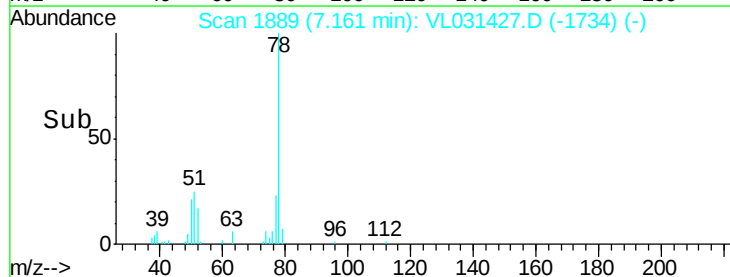
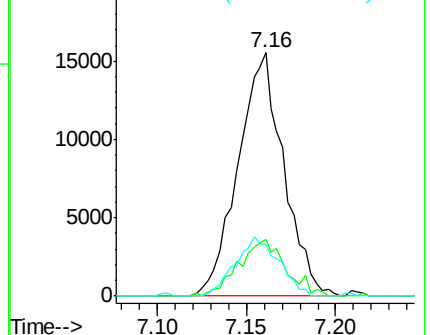
50 21.3 18.4 27.6

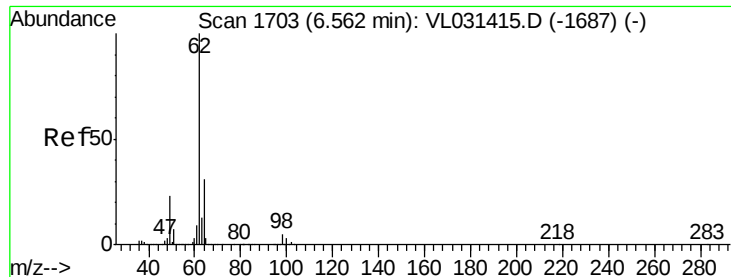


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

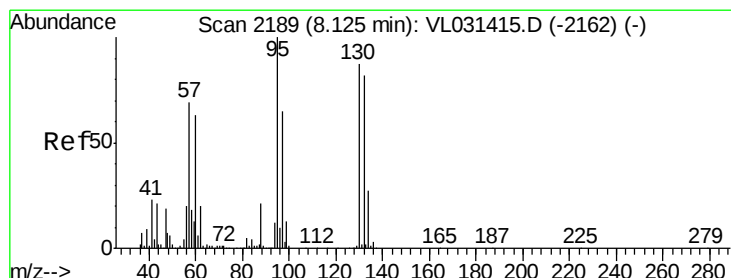
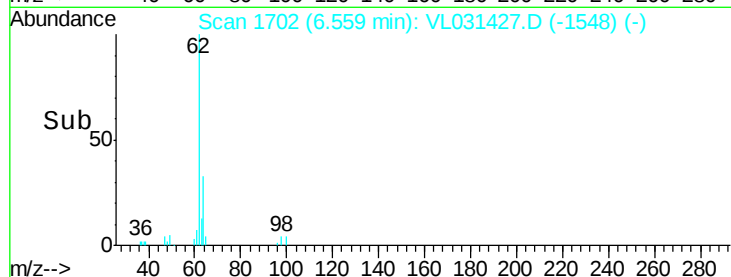
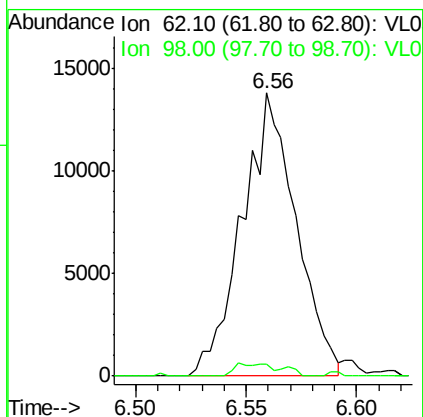
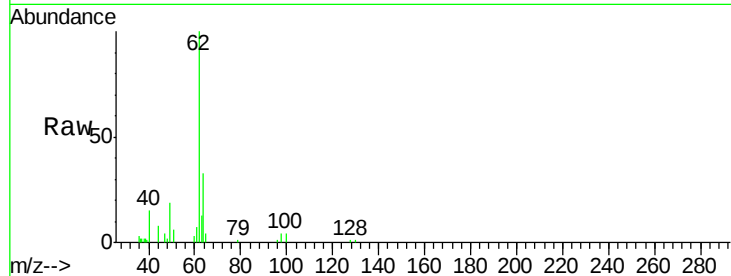




#37
 1,2-Dichloroethane
 Concen: 0.12 ppbv
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

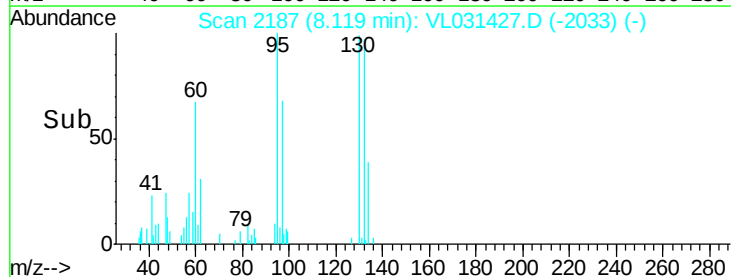
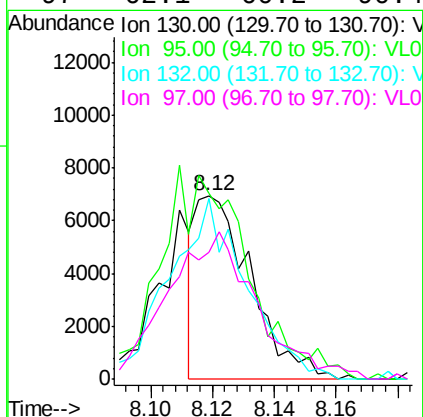
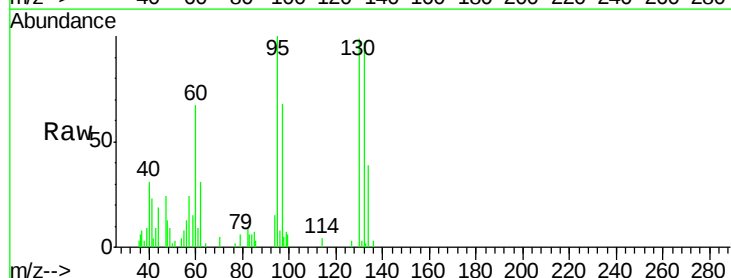
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

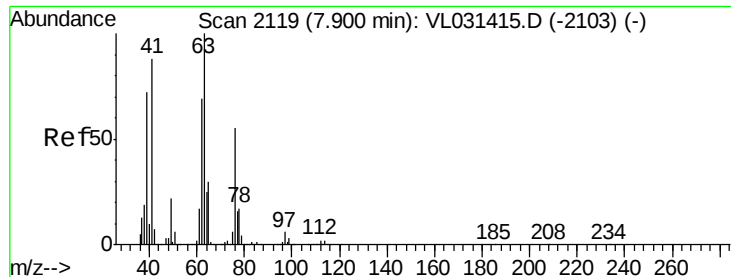
Tgt Ion: 62 Resp: 23374
 Ion Ratio Lower Upper
 62 100
 98 4.0 4.1 6.1#



#38
 Trichloroethene
 Concen: 0.09 ppbv
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 130 Resp: 8550
 Ion Ratio Lower Upper
 130 100
 95 93.4 92.9 139.3
 132 98.2 74.9 112.3
 97 62.1 60.2 90.4

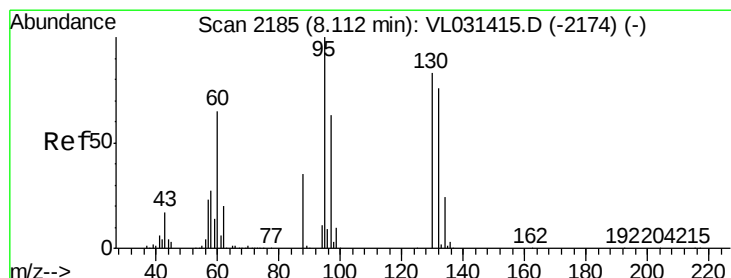
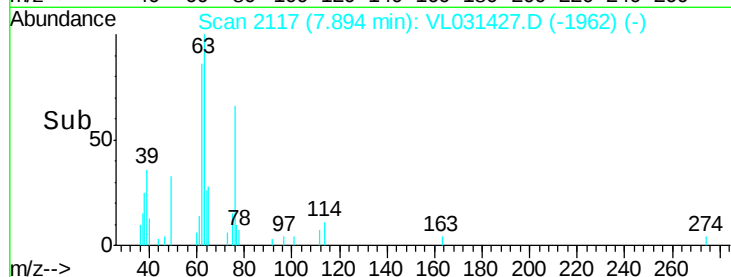
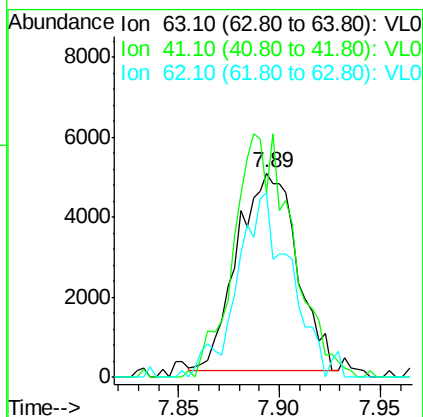
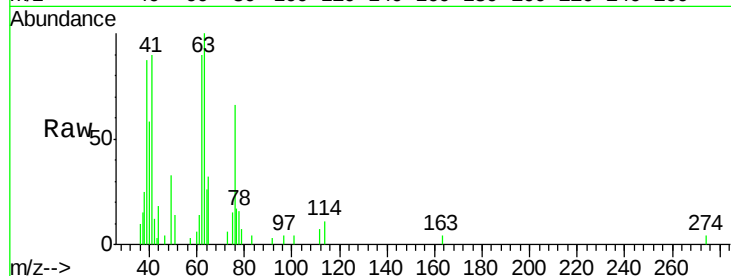




#39
 1,2-Dichloropropane
 Concen: 0.11 ppbv
 RT: 7.89 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

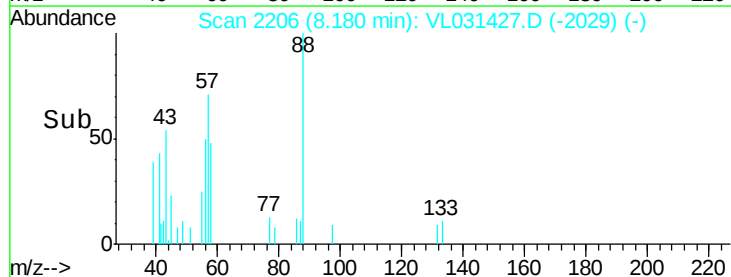
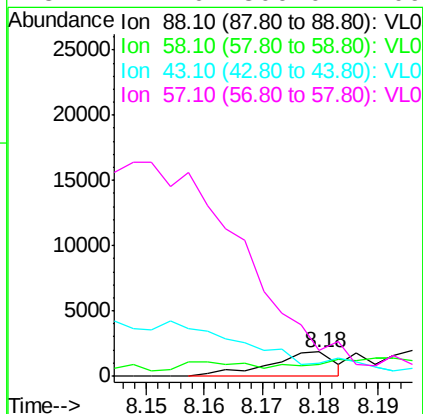
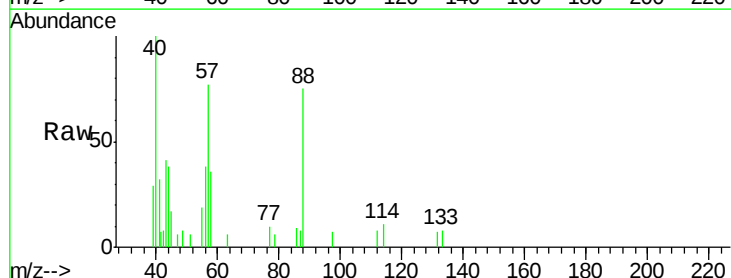
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

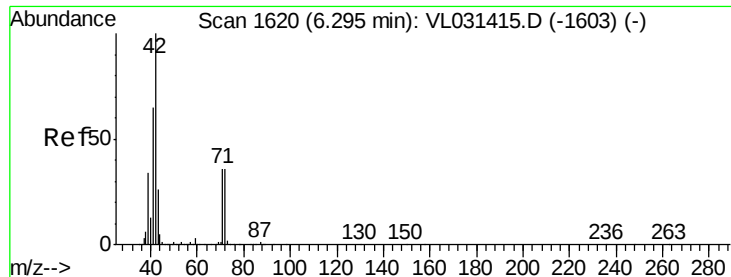
Tgt Ion: 63 Resp: 10287
 Ion Ratio Lower Upper
 63 100
 41 89.9 67.6 101.4
 62 93.0 51.8 77.6#



#40
 1,4-Dioxane
 Concen: 0.04 ppbv
 RT: 8.18 min Scan# 2206
 Delta R.T. 0.07 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 88 Resp: 1452
 Ion Ratio Lower Upper
 88 100
 58 0.0 98.2 147.2#
 43 749.9 197.3 295.9#
 57 2714.0 806.0 1209.0#





#41

Tetrahydrofuran

Concen: 0.04 ppbv

RT: 6.33 min Scan# 1630

Delta R.T. 0.03 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

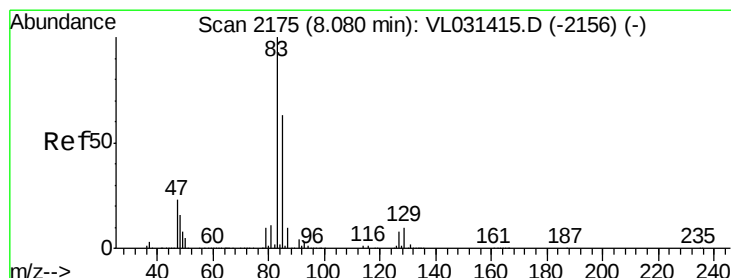
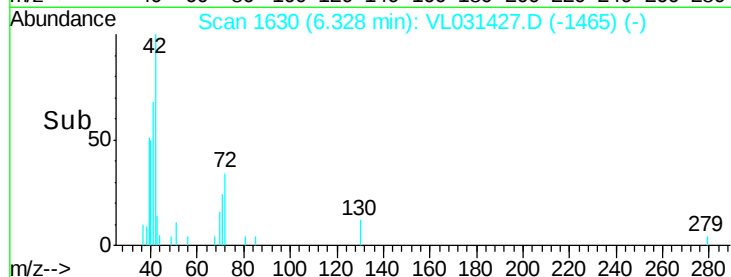
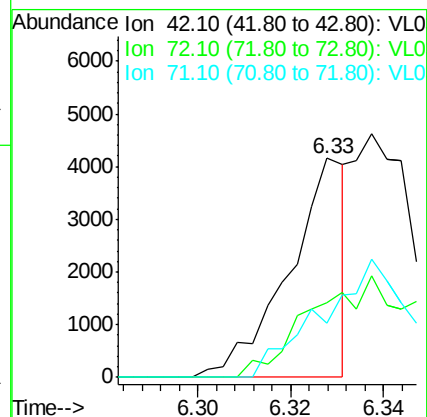
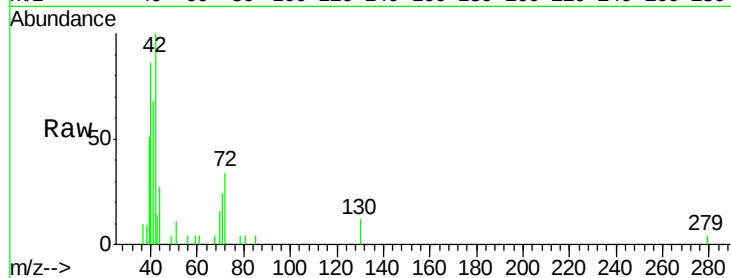
Tgt Ion: 42 Resp: 3554

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

71 0.0 29.2 43.8#



#42

Bromodichloromethane

Concen: 0.06 ppbv

RT: 8.07 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

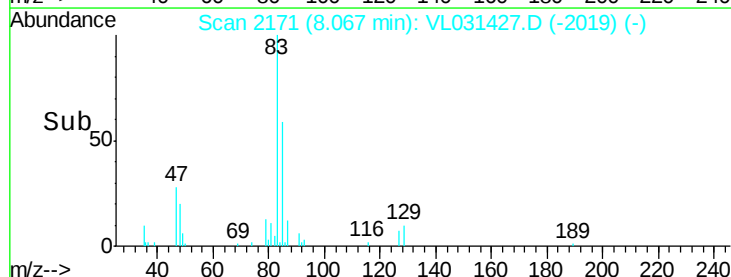
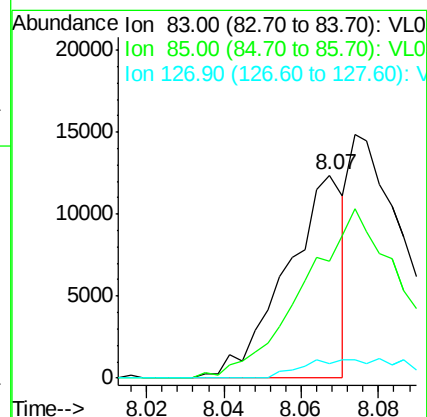
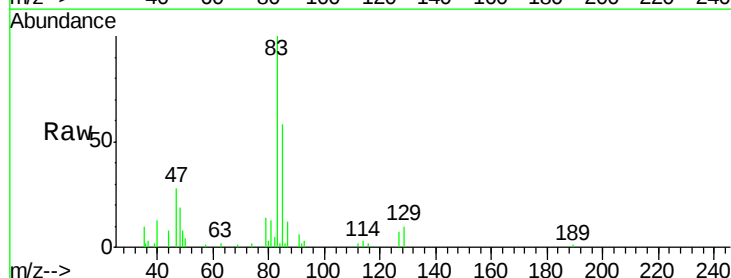
Tgt Ion: 83 Resp: 12801

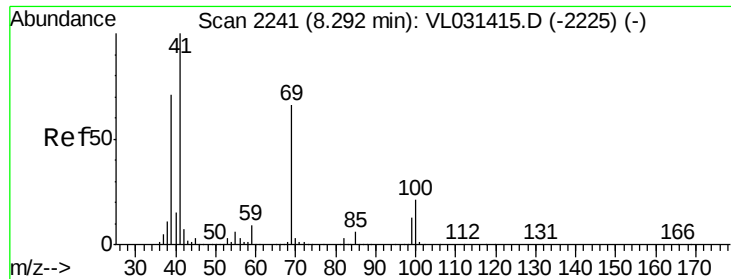
Ion Ratio Lower Upper

83 100

85 57.8 52.1 78.1

127 6.9 6.6 10.0





#43

Methyl Methacrylate

Concen: 0.06 ppbv

RT: 8.30 min Scan# 2244

Delta R.T. 0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

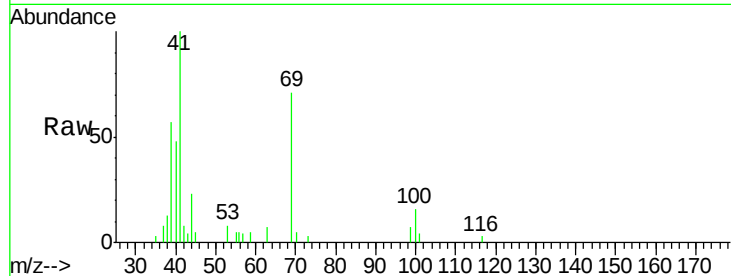
Tgt Ion: 69 Resp: 4969

Ion Ratio Lower Upper

69 100

41 269.0 127.0 190.6#

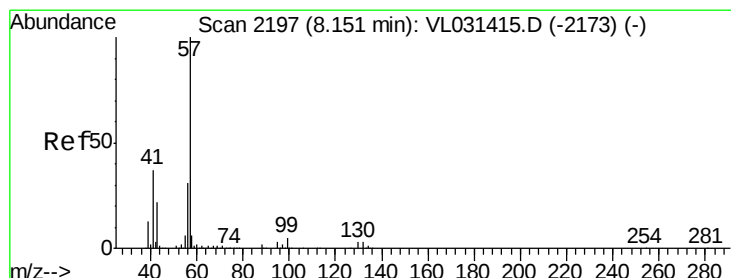
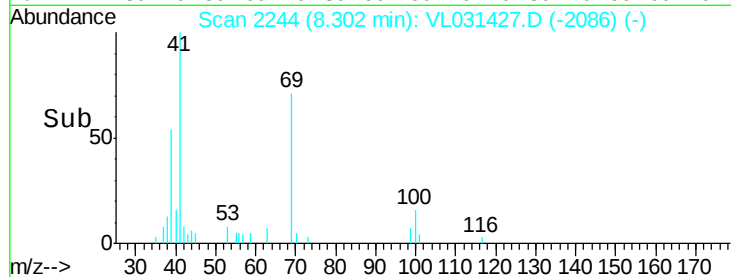
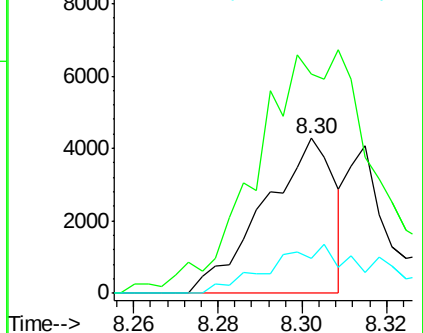
100 46.6 24.6 37.0#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.09 ppbv

RT: 8.15 min Scan# 2196

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

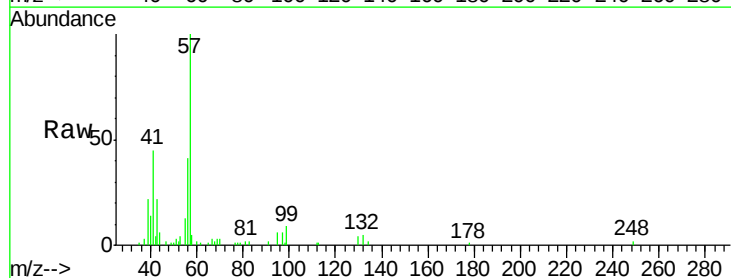
Tgt Ion: 57 Resp: 37939

Ion Ratio Lower Upper

57 100

41 48.4 28.8 43.2#

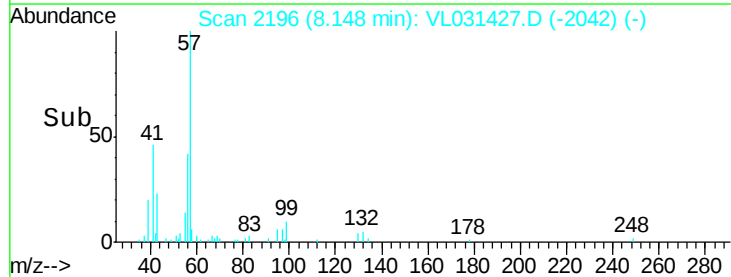
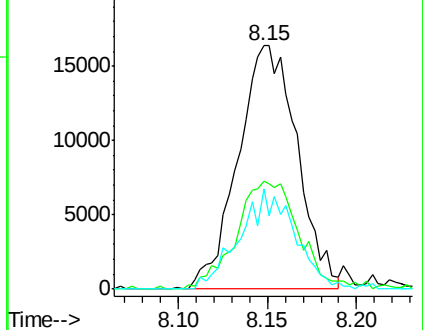
56 38.4 24.6 37.0#

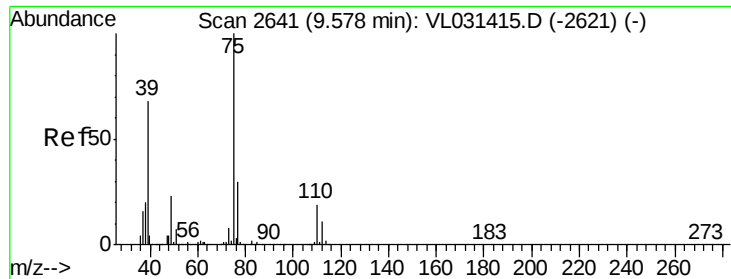


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.01 ppbv

RT: 9.61 min Scan# 2650

Delta R.T. 0.03 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

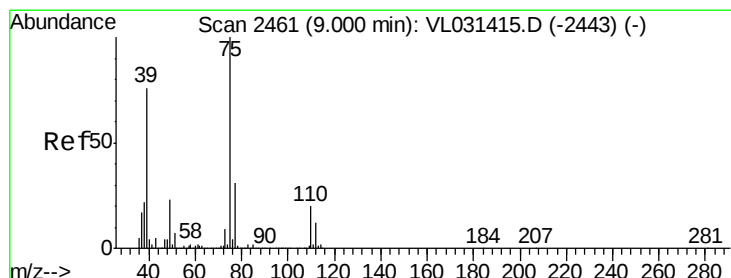
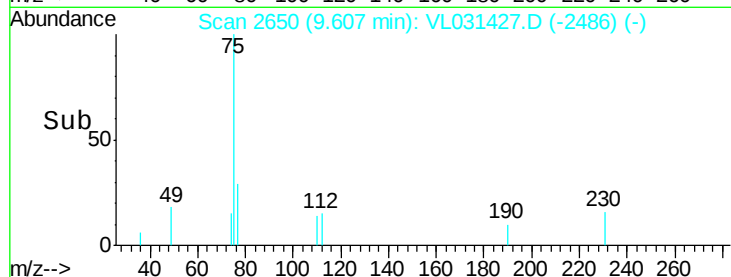
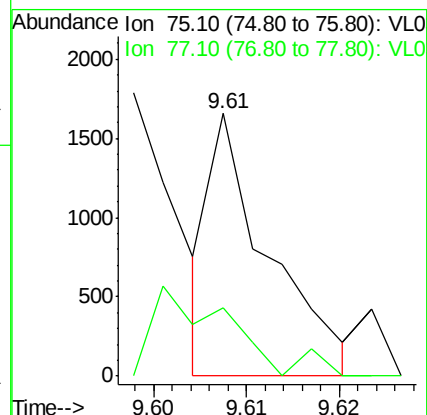
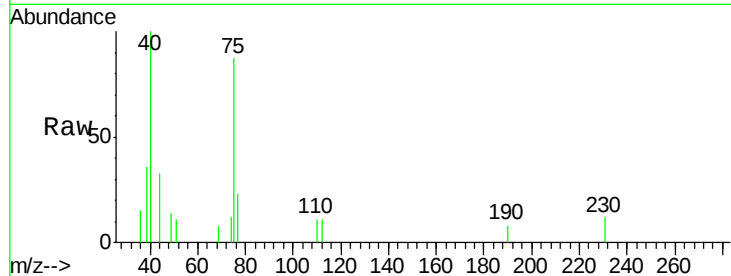
MDL-AIR-2

Tgt Ion: 75 Resp: 731

Ion Ratio Lower Upper

75 100

77 26.2 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 0.03 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

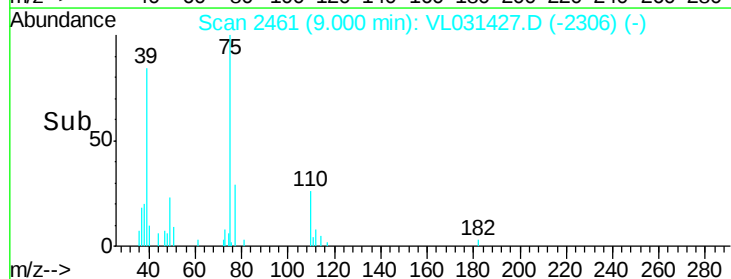
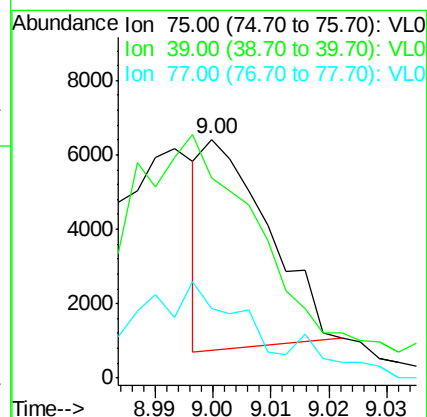
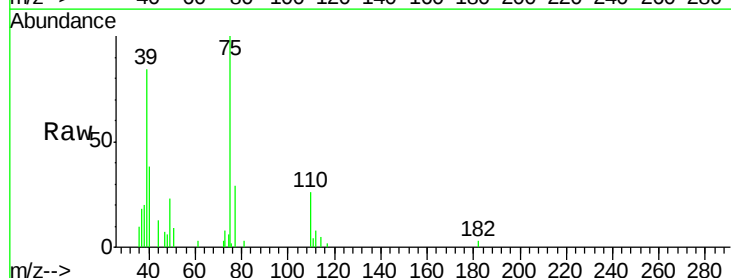
Tgt Ion: 75 Resp: 4330

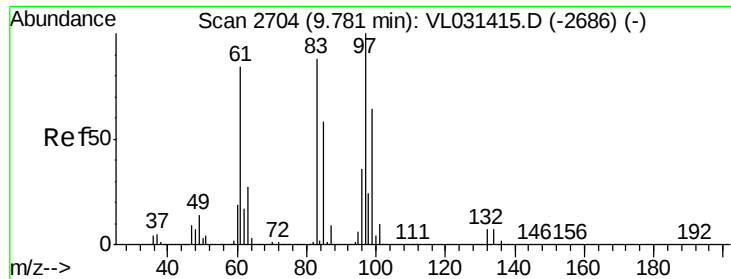
Ion Ratio Lower Upper

75 100

39 75.6 59.4 89.0

77 26.6 25.0 37.4

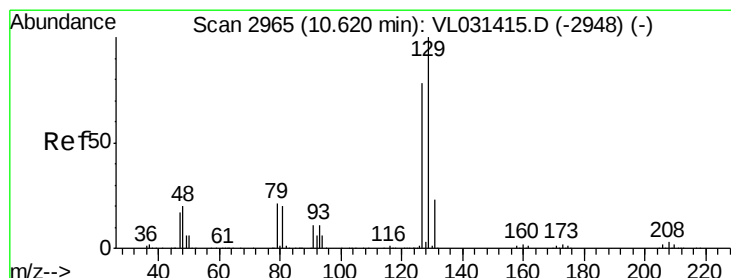
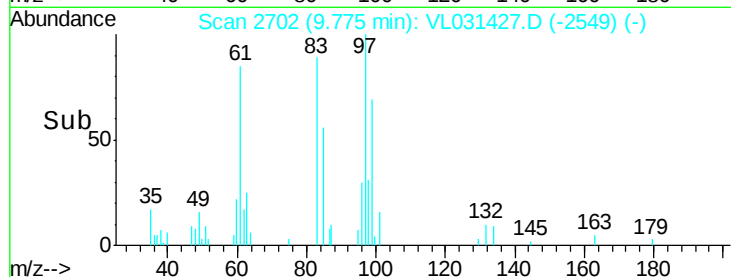
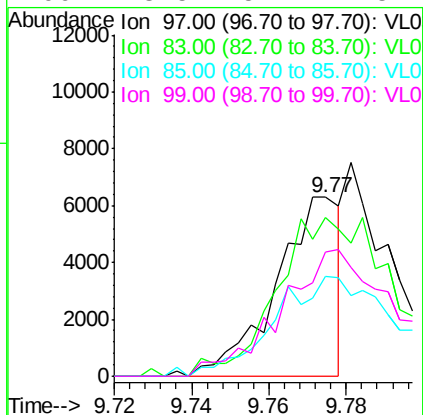
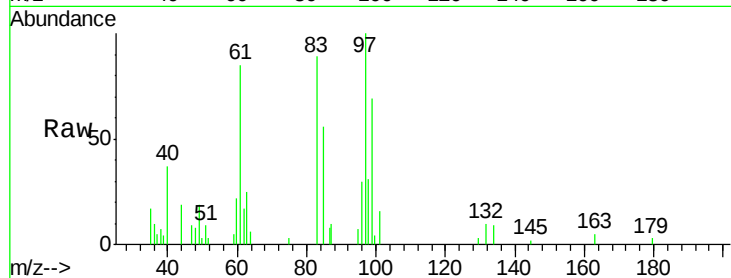




#47
 1,1,2-Trichloroethane
 Concen: 0.07 ppbv
 RT: 9.77 min Scan# 2702
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

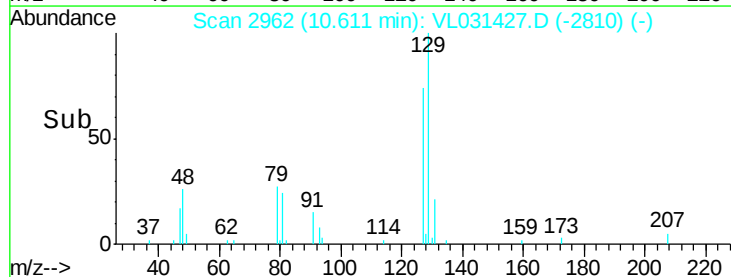
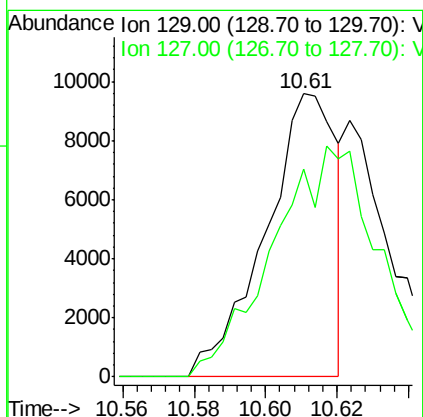
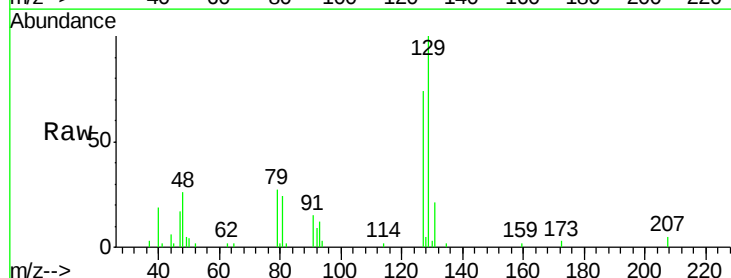
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

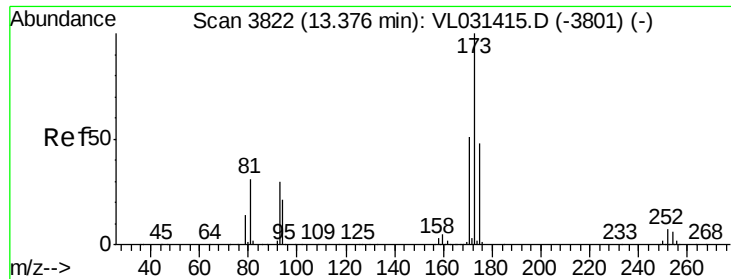
Tgt Ion: 97 Resp: 7182
 Ion Ratio Lower Upper
 97 100
 83 88.9 71.4 107.2
 85 55.9 46.2 69.2
 99 73.5 52.2 78.2



#48
 Dibromochloromethane
 Concen: 0.07 ppbv
 RT: 10.61 min Scan# 2962
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 129 Resp: 13144
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.4 118.1#





#49

Bromoform

Concen: 0.02 ppbv

RT: 13.37 min Scan# 3820

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

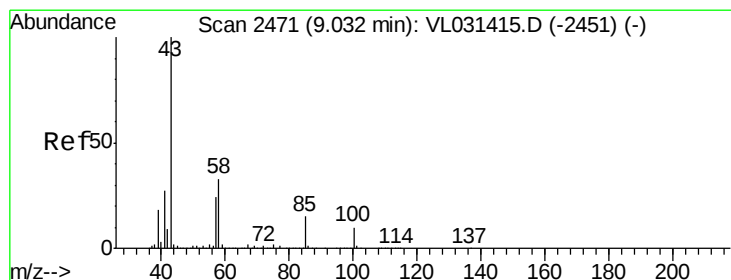
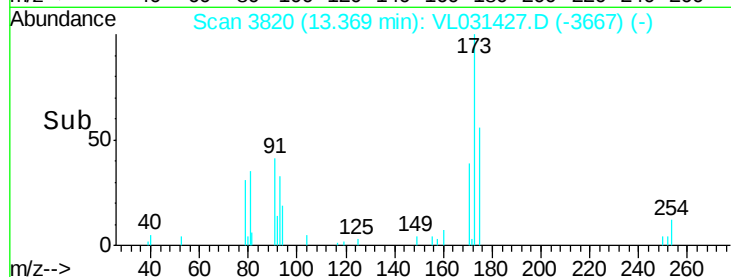
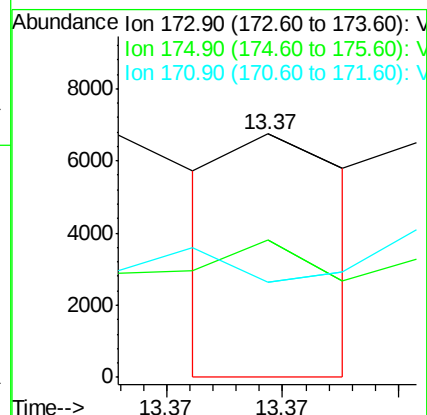
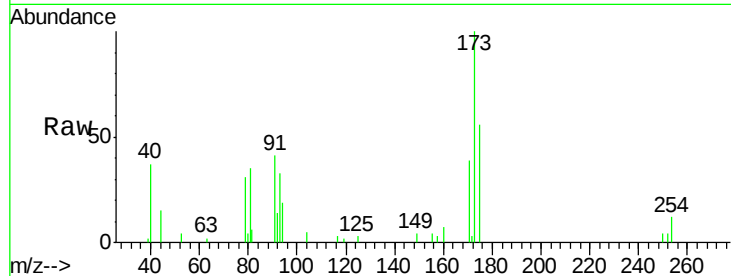
Tgt Ion:173 Resp: 2417

Ion Ratio Lower Upper

173 100

175 308.6 39.0 58.4#

171 0.0 42.0 63.0#



#50

4-Methyl-2-Pentanone

Concen: 0.03 ppbv

RT: 9.06 min Scan# 2479

Delta R.T. 0.03 min

Lab File: VL031427.D

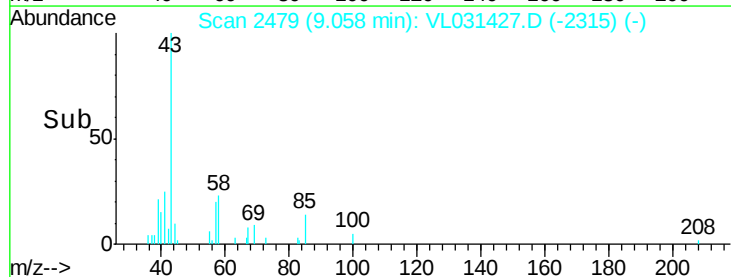
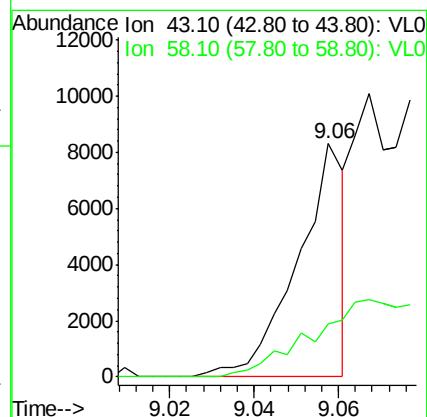
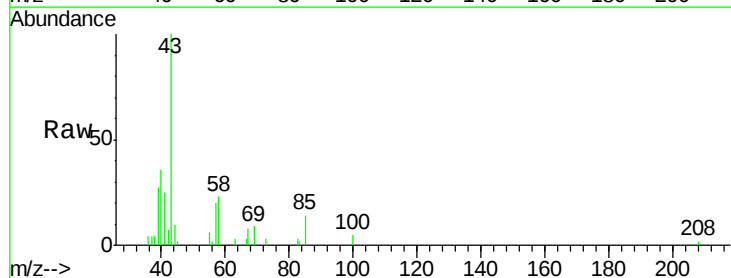
Acq: 22 Jan 2018 22:27

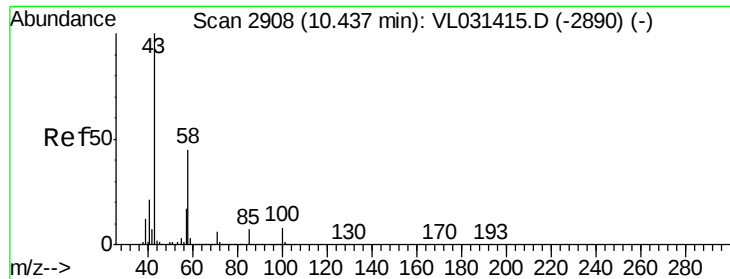
Tgt Ion: 43 Resp: 6478

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#

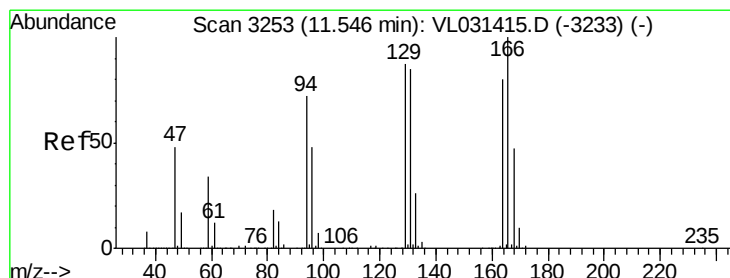
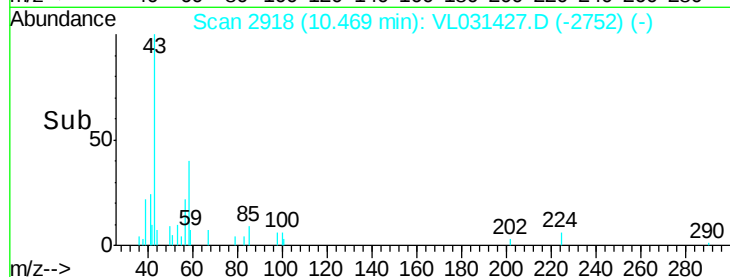
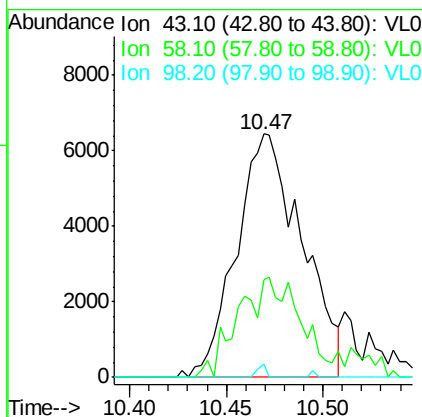
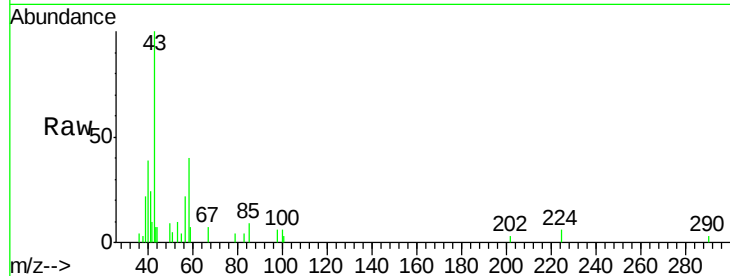




#51
2-Hexanone
Concen: 0.07 ppbv
RT: 10.47 min Scan# 2918
Delta R.T. 0.03 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

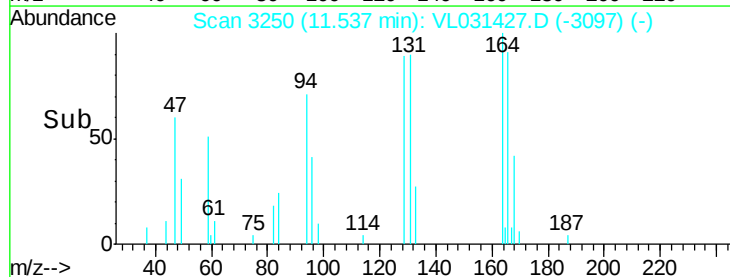
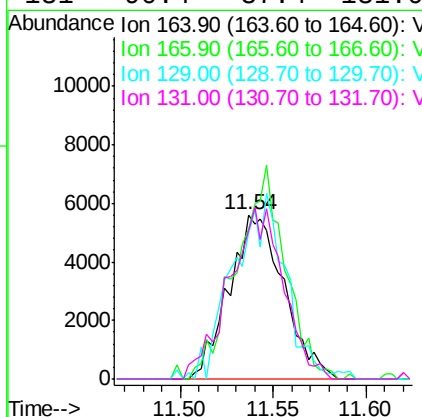
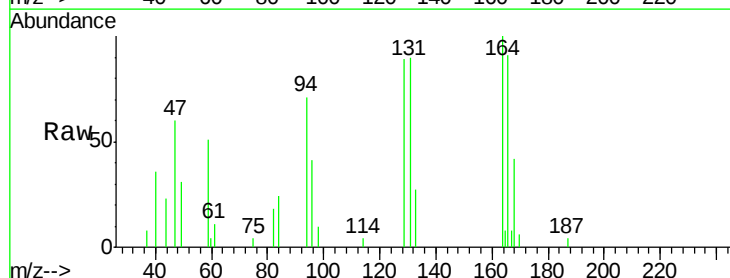
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

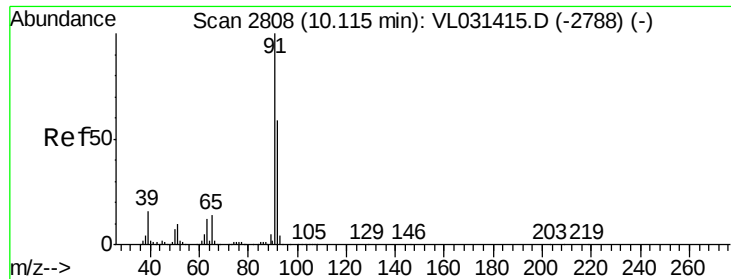
Tgt Ion: 43 Resp: 15223
Ion Ratio Lower Upper
43 100
58 44.4 36.2 54.4
98 0.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.13 ppbv
RT: 11.54 min Scan# 3250
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 164 Resp: 11520
Ion Ratio Lower Upper
164 100
166 91.3 100.2 150.2#
129 85.4 91.4 137.0#
131 90.4 87.4 131.0





#53

Toluene

Concen: 0.08 ppbv

RT: 10.11 min Scan# 2807

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

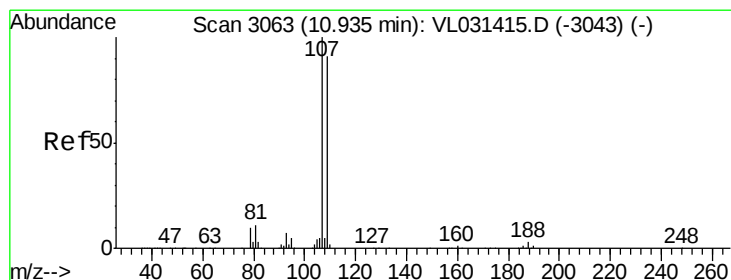
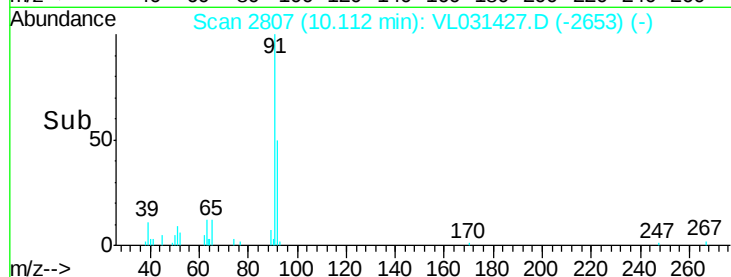
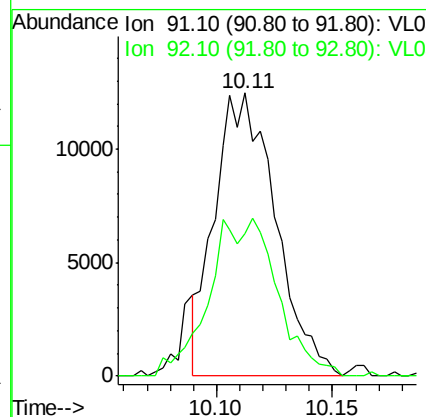
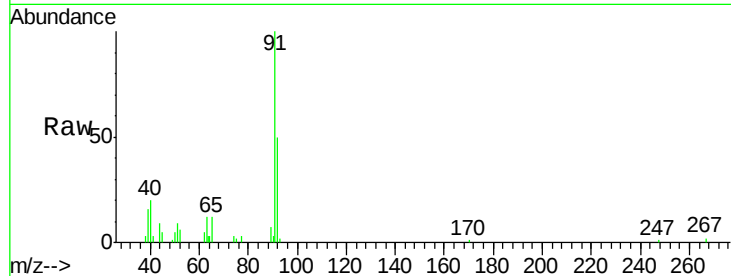
MDL-AIR-2

Tgt Ion: 91 Resp: 22715

Ion Ratio Lower Upper

91 100

92 62.5 47.8 71.6



#54

1,2-Dibromoethane

Concen: 0.04 ppbv

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VL031427.D

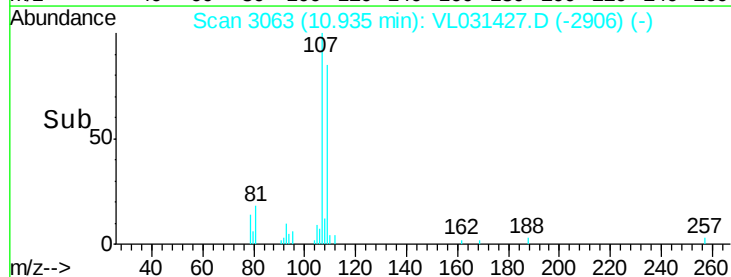
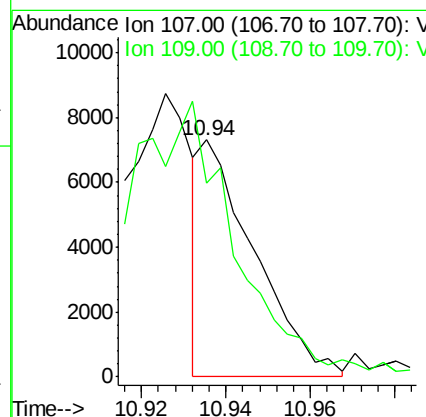
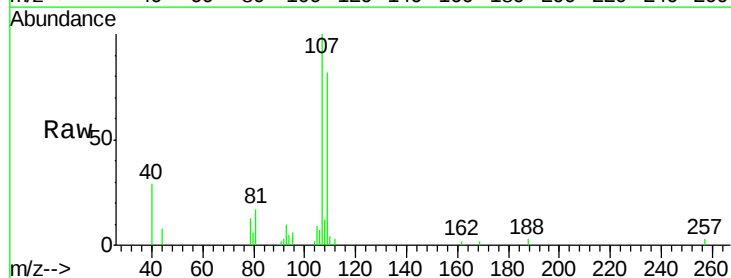
Acq: 22 Jan 2018 22:27

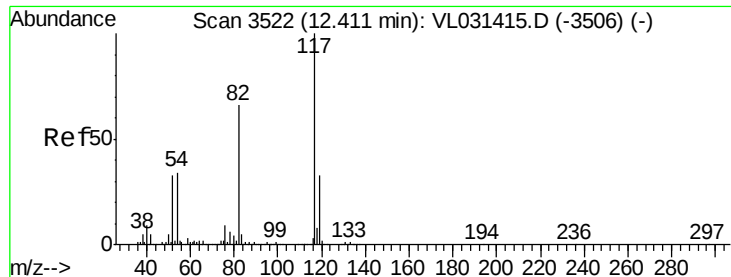
Tgt Ion: 107 Resp: 6465

Ion Ratio Lower Upper

107 100

109 76.4 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: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

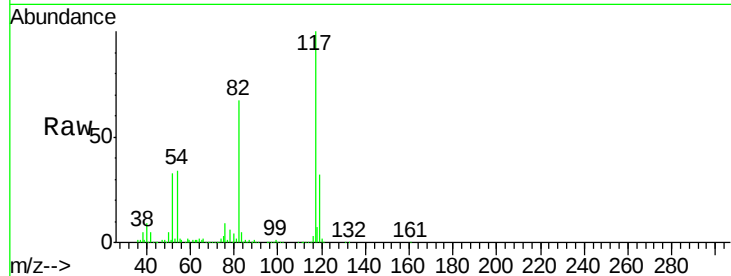
Tgt Ion:117 Resp: 2639952

Ion Ratio Lower Upper

117 100

82 68.4 51.8 77.6

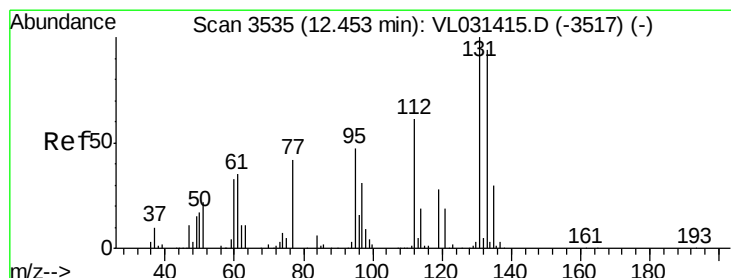
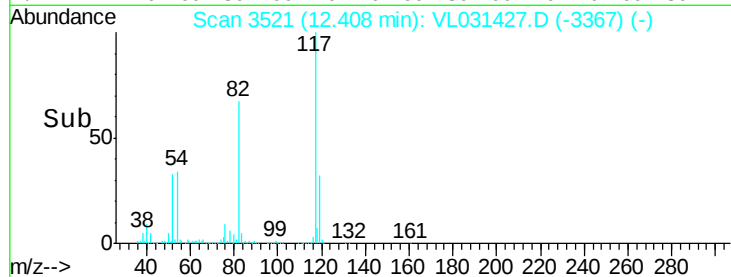
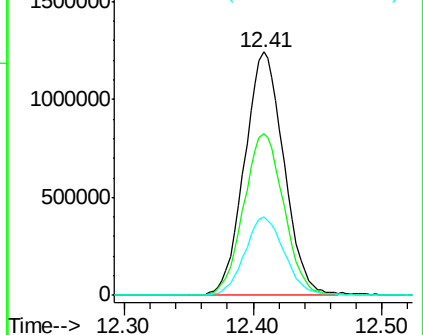
119 32.9 24.2 36.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.02 ppbv

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

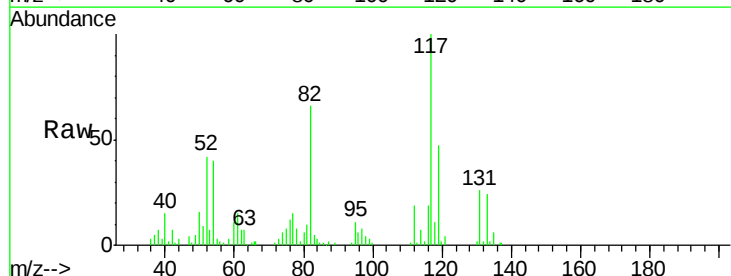
Tgt Ion:131 Resp: 2832

Ion Ratio Lower Upper

131 100

133 562.9 76.9 115.3#

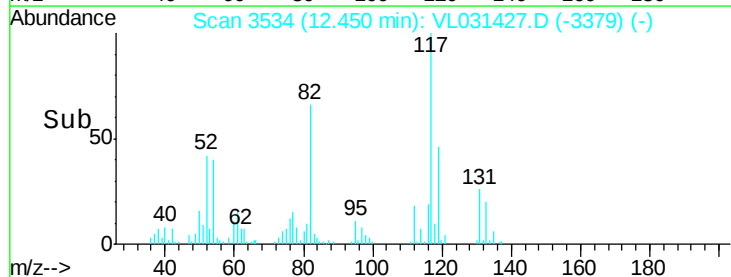
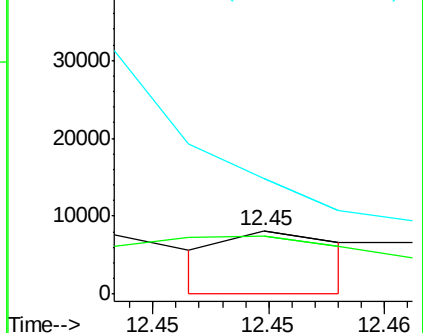
119 0.0 47.7 71.5#

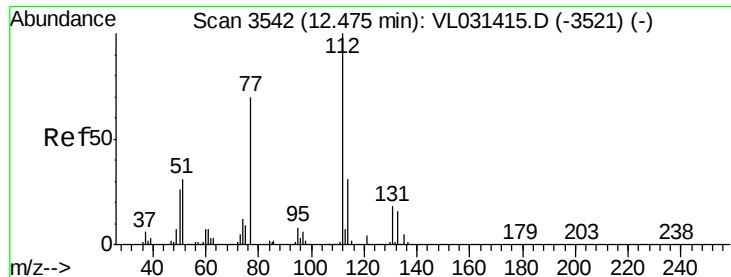


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

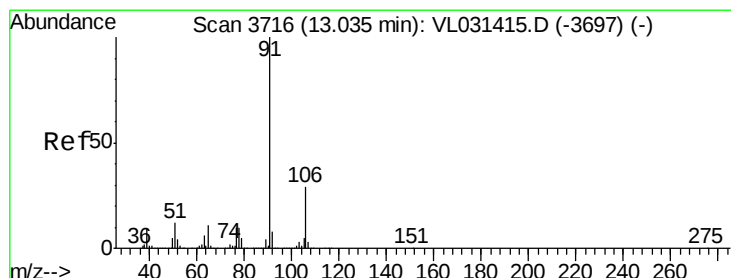
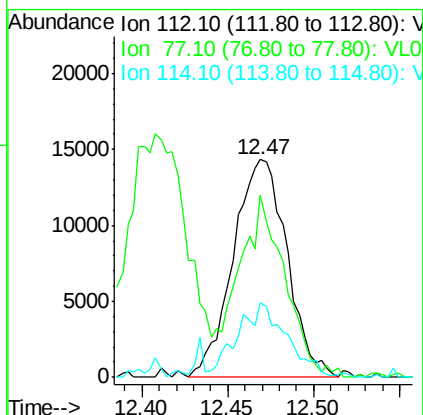
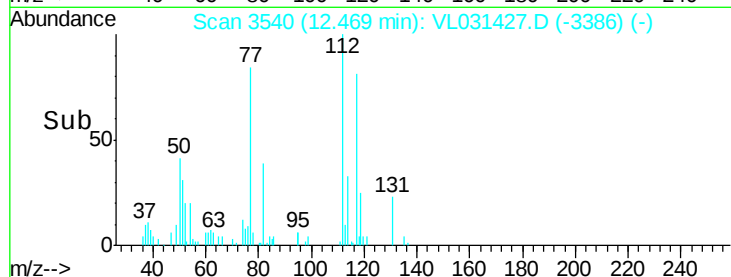
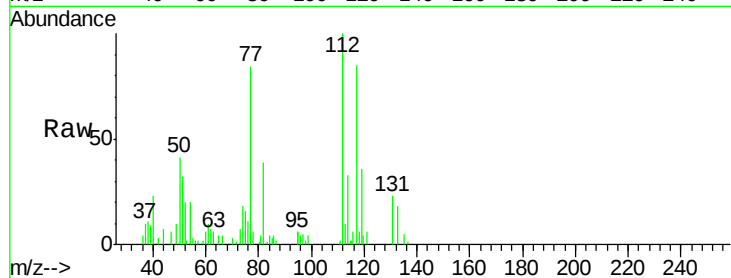




#57
Chlorobenzene
Concen: 0.14 ppbv
RT: 12.47 min Scan# 3540
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

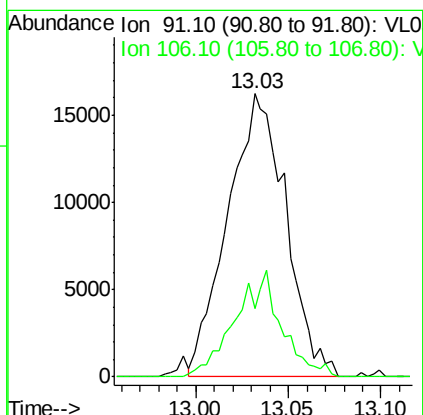
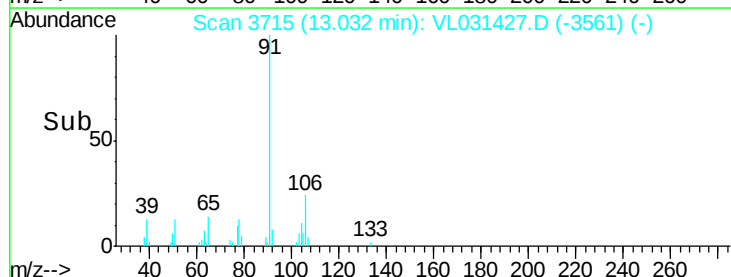
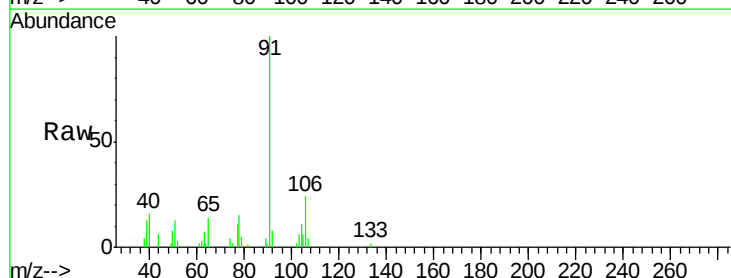
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

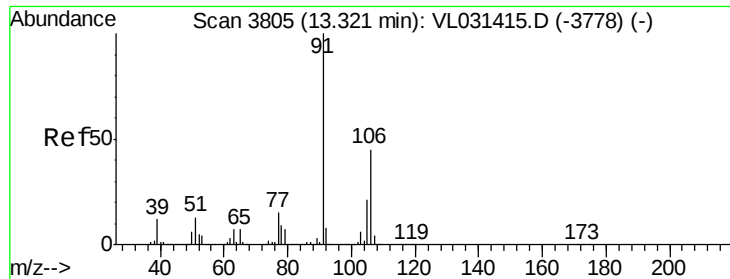
Tgt Ion: 112 Resp: 31136
Ion Ratio Lower Upper
112 100
77 79.8 56.0 84.0
114 33.3 29.1 35.5



#58
Ethyl Benzene
Concen: 0.09 ppbv
RT: 13.03 min Scan# 3715
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 91 Resp: 35246
Ion Ratio Lower Upper
91 100
106 24.3 23.8 35.6

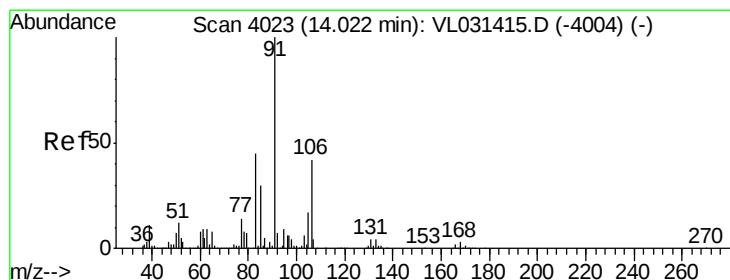
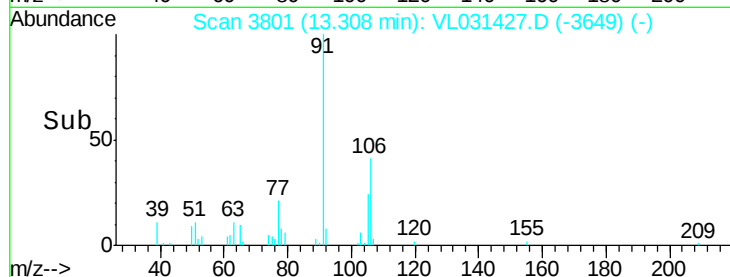
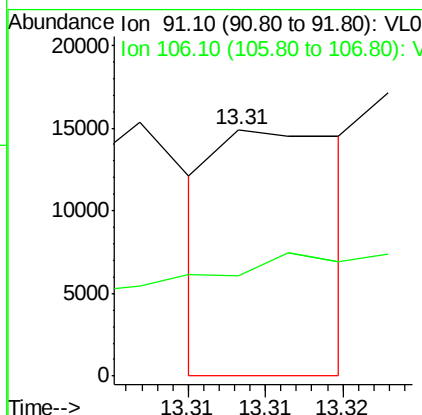
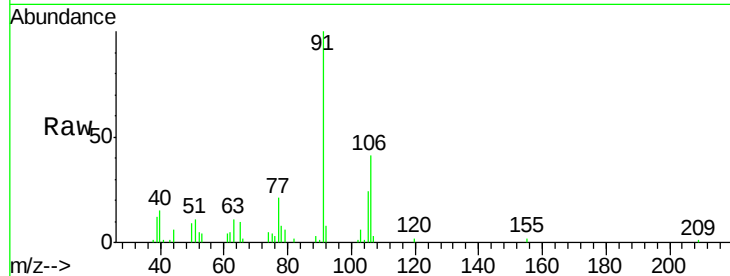




#59
m/p-Xylene
Concen: 0.03 ppbv
RT: 13.31 min Scan# 3801
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

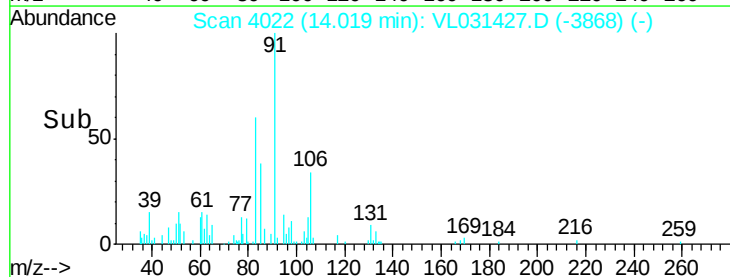
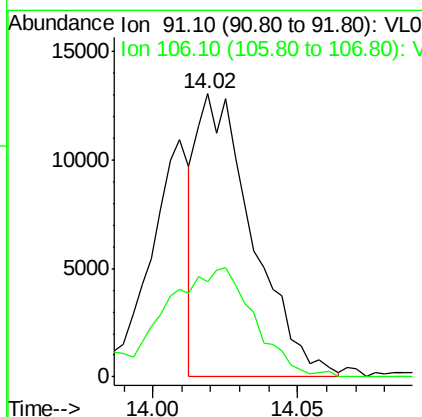
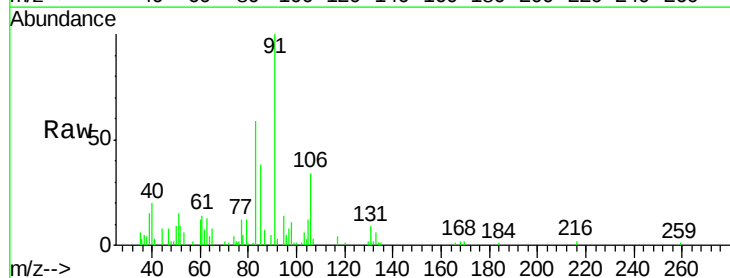
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

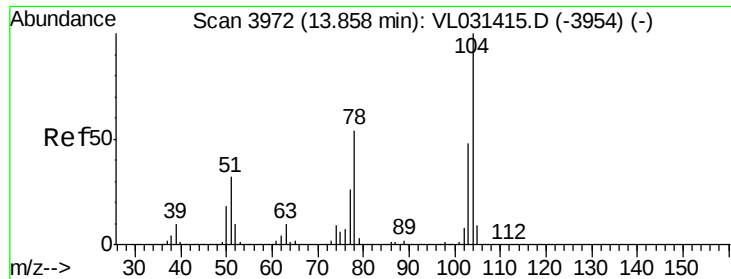
Tgt Ion: 91 Resp: 8456
Ion Ratio Lower Upper
91 100
106 301.1 35.6 53.4#



#60
o-Xylene
Concen: 0.05 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 91 Resp: 17472
Ion Ratio Lower Upper
91 100
106 63.6 21.3 64.0

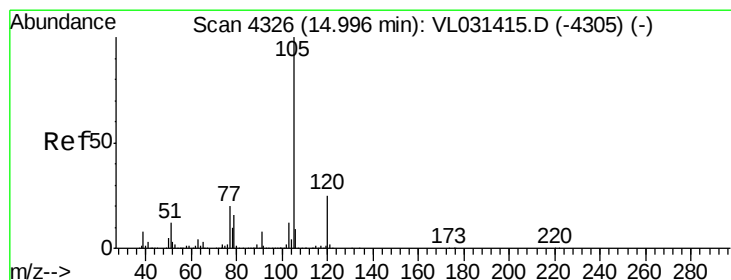
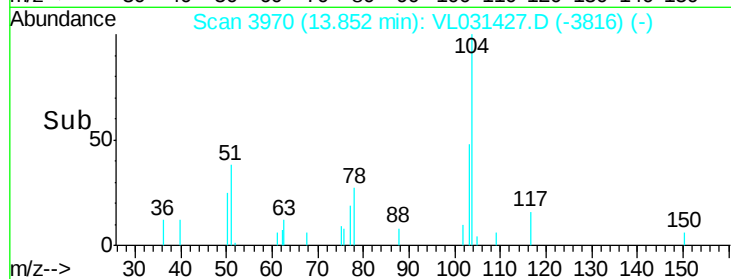
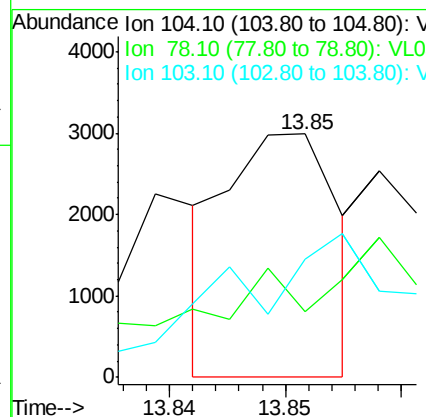
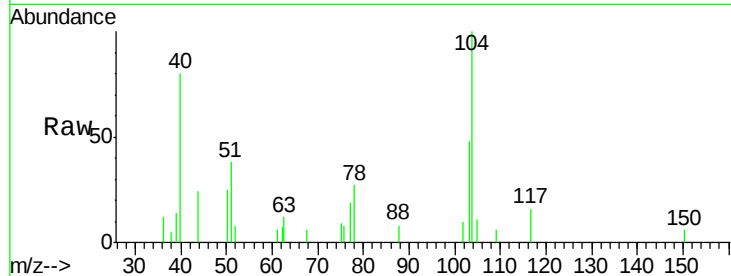




#61
Styrene
Concen: 0.03 ppbv
RT: 13.85 min Scan# 3970
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

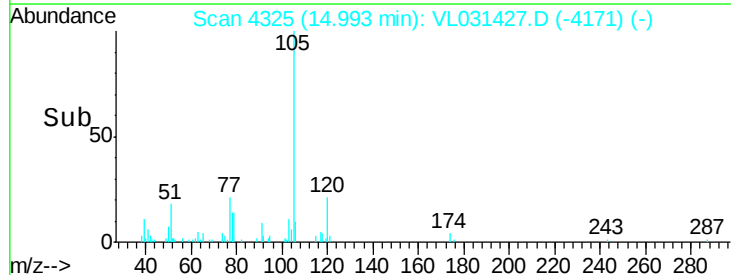
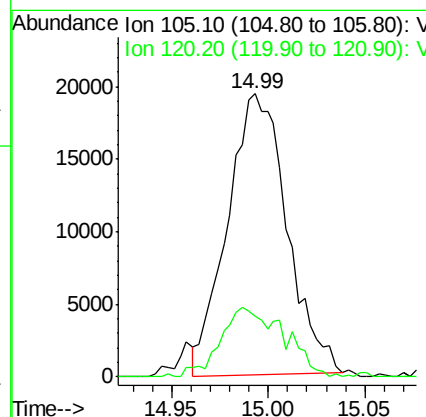
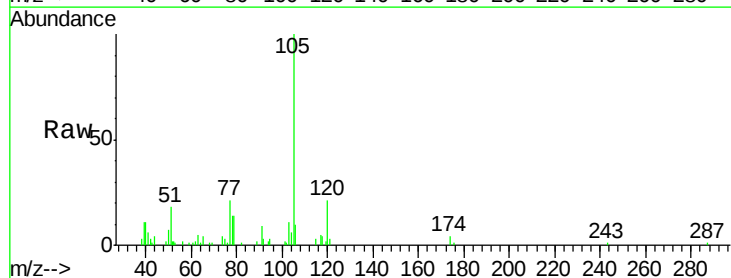
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

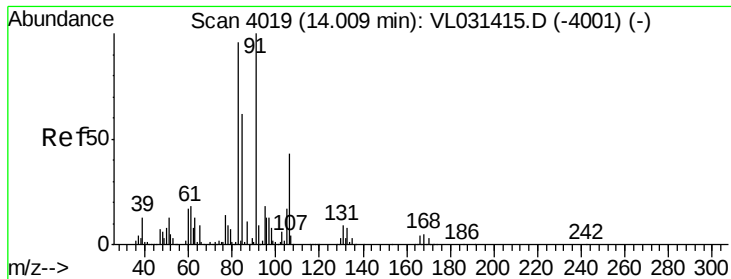
Tgt Ion:104 Resp: 1981
Ion Ratio Lower Upper
104 100
78 0.0 45.4 68.0#
103 0.0 38.6 57.8#



#62
Isopropylbenzene
Concen: 0.10 ppbv
RT: 14.99 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion:105 Resp: 41431
Ion Ratio Lower Upper
105 100
120 26.5 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 0.07 ppbv

RT: 14.00 min Scan# 4017

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

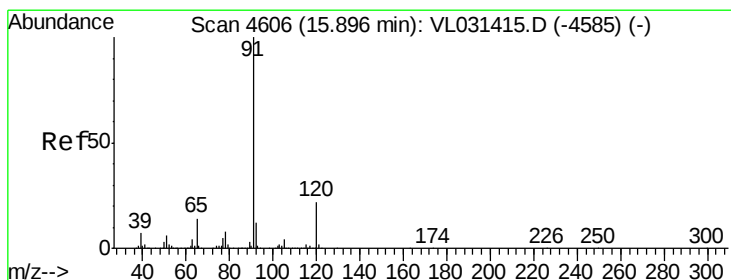
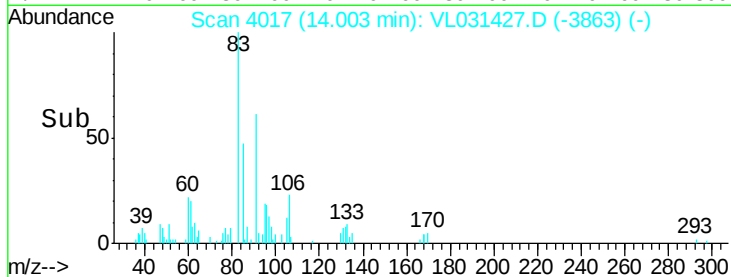
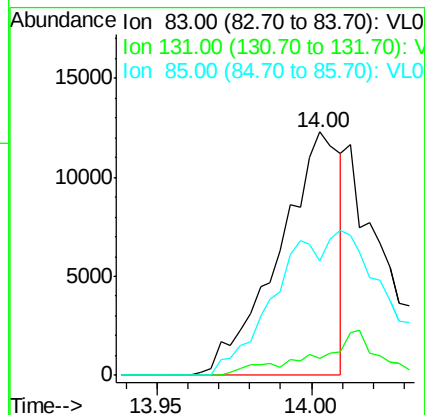
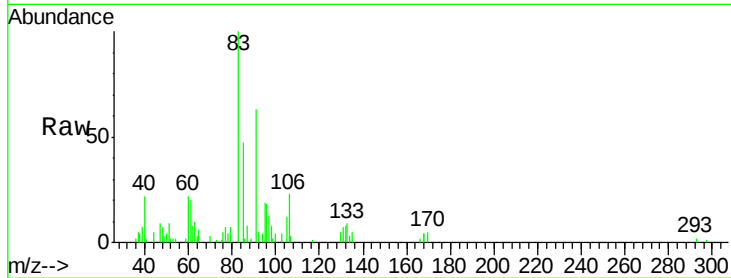
Tgt Ion: 83 Resp: 16938

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 32.4 97.0#



#64

n-propylbenzene

Concen: 0.03 ppbv

RT: 15.89 min Scan# 4604

Delta R.T. -0.01 min

Lab File: VL031427.D

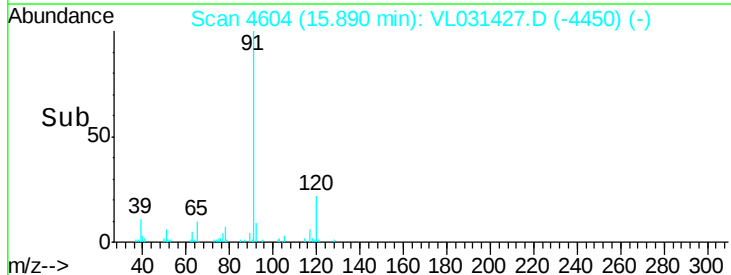
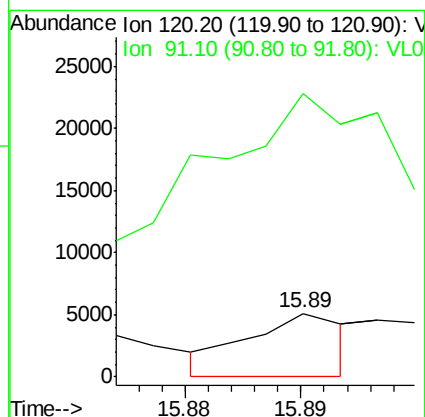
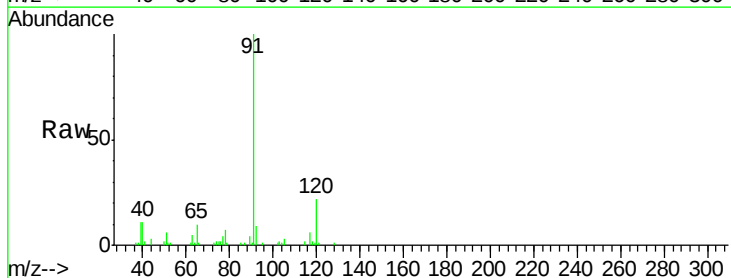
Acq: 22 Jan 2018 22:27

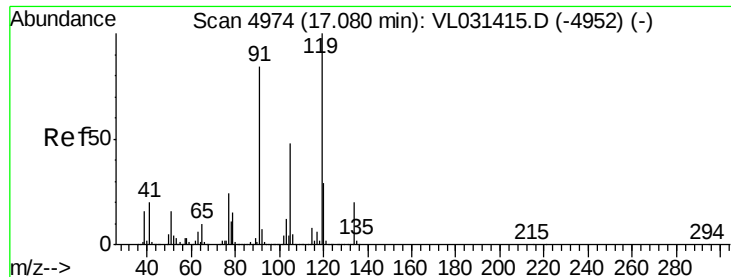
Tgt Ion: 120 Resp: 2997

Ion Ratio Lower Upper

120 100

91 1619.6 389.8 584.6#





#65

tert-Butylbenzene

Concen: 0.05 ppbv

RT: 17.08 min Scan# 4973

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

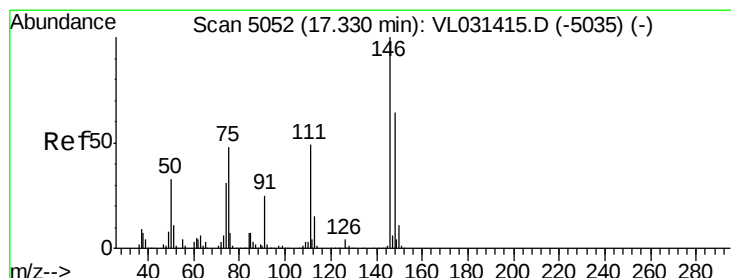
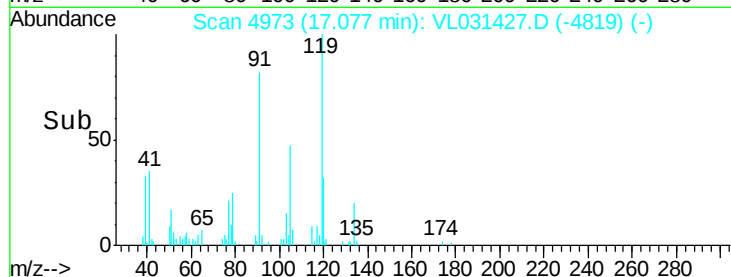
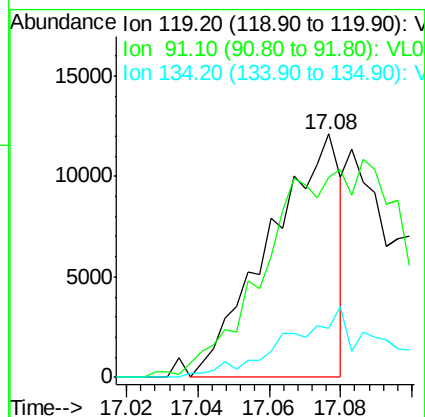
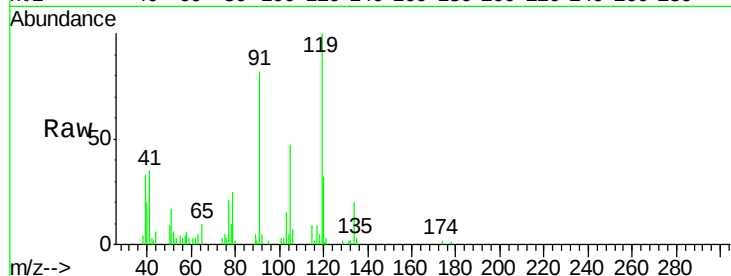
Tgt Ion:119 Resp: 16669

Ion Ratio Lower Upper

119 100

91 0.0 69.0 103.6#

134 0.0 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.02 ppbv

RT: 17.32 min Scan# 5048

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

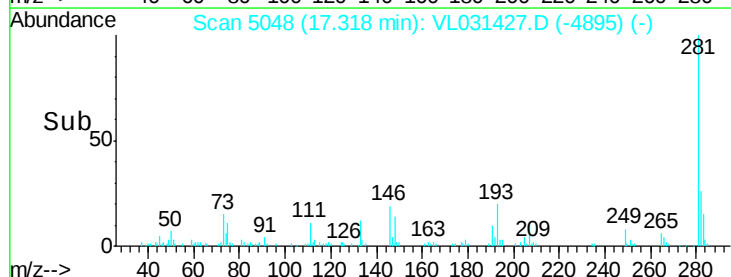
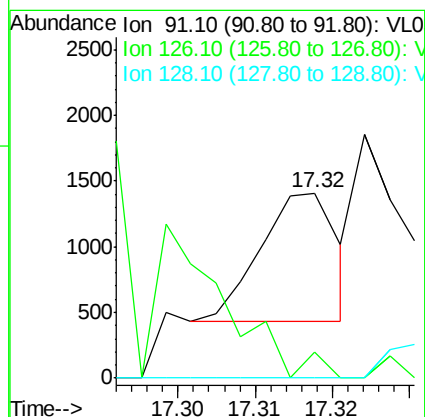
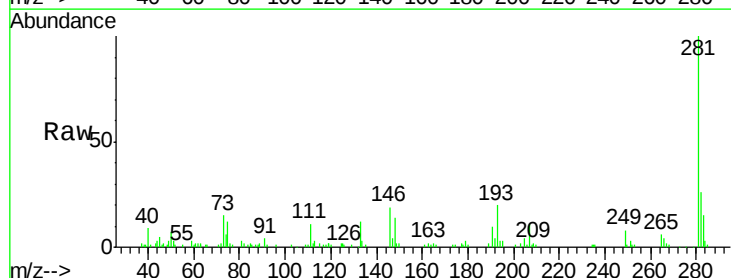
Tgt Ion: 91 Resp: 682

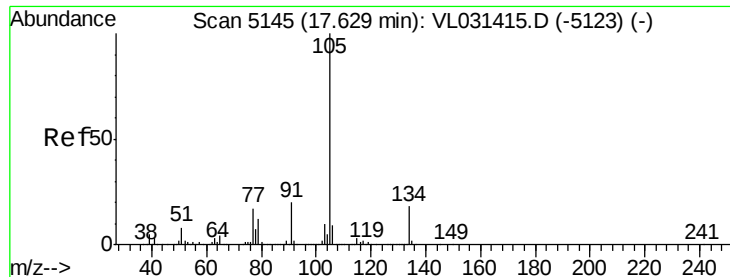
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

128 0.0 4.6 6.8#

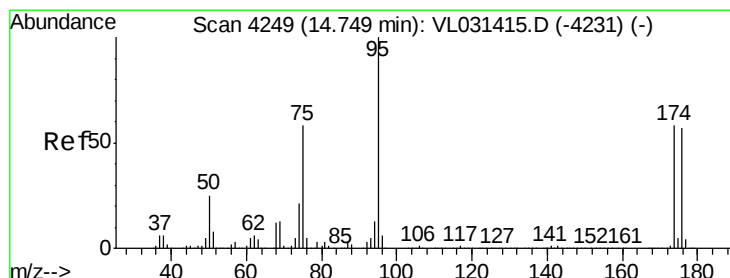
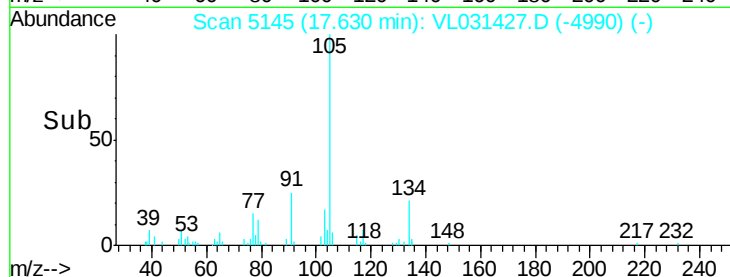
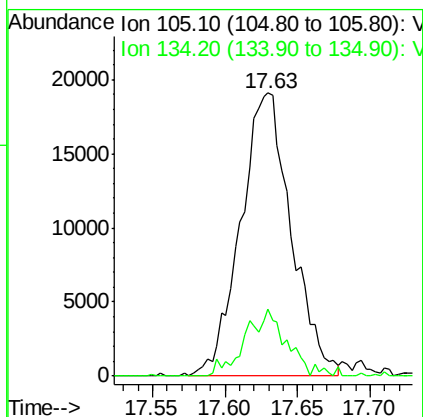
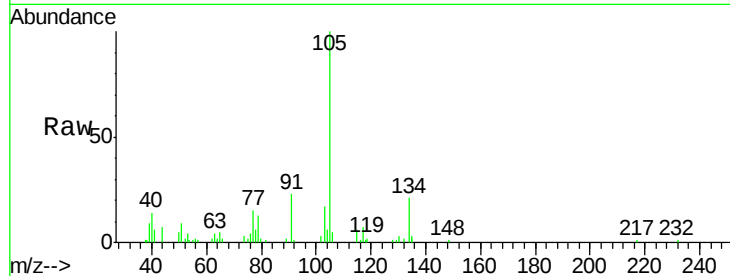




#67
 sec-Butylbenzene
 Concen: 0.09 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

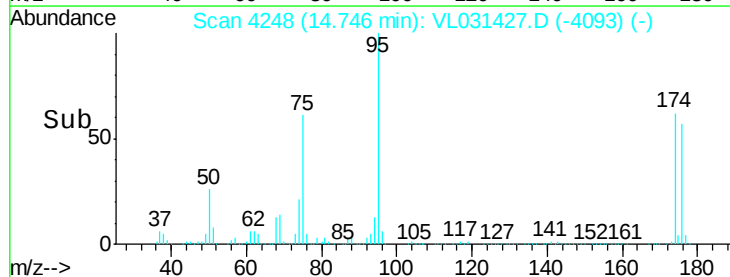
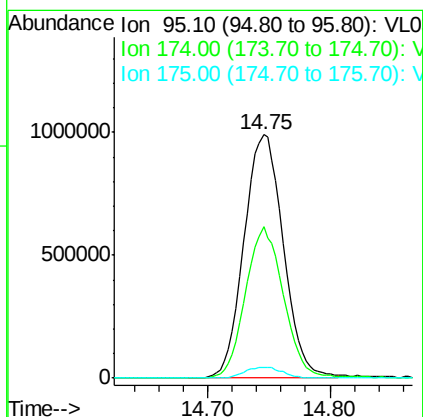
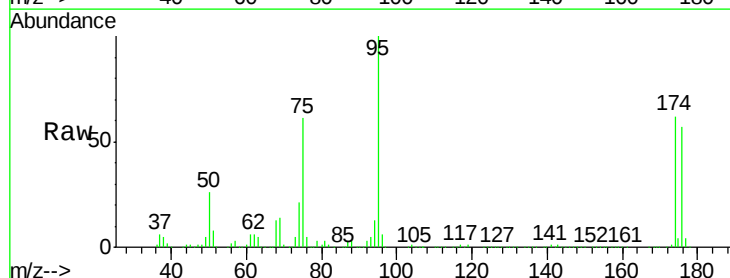
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

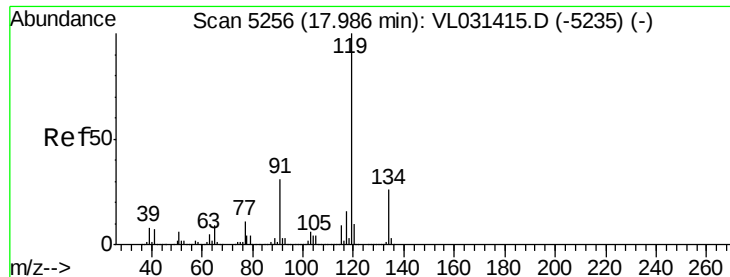
Tgt Ion: 105 Resp: 46588
 Ion Ratio Lower Upper
 105 100
 134 19.7 14.5 21.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.42 ppbv
 RT: 14.75 min Scan# 4248
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion: 95 Resp: 2203725
 Ion Ratio Lower Upper
 95 100
 174 60.9 48.2 72.4
 175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.04 ppbv

RT: 17.98 min Scan# 5254

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

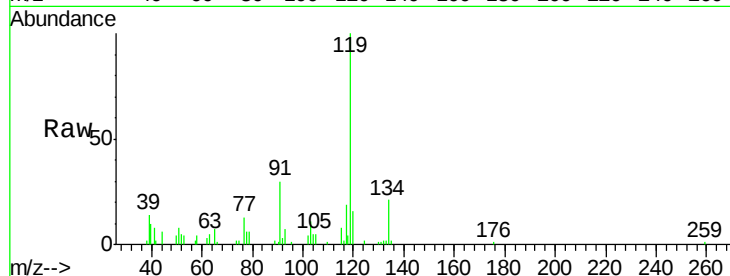
Tgt Ion: 119 Resp: 17060

Ion Ratio Lower Upper

119 100

134 0.0 20.2 30.4#

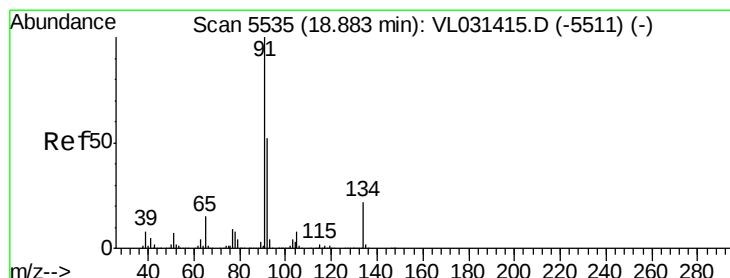
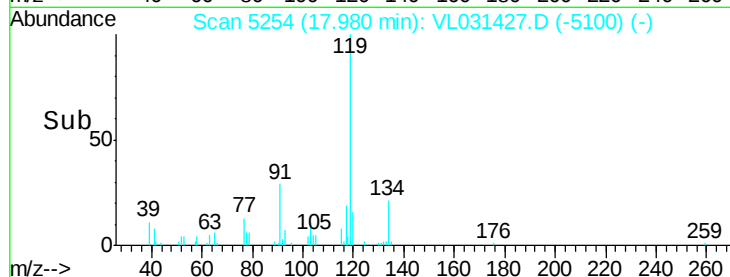
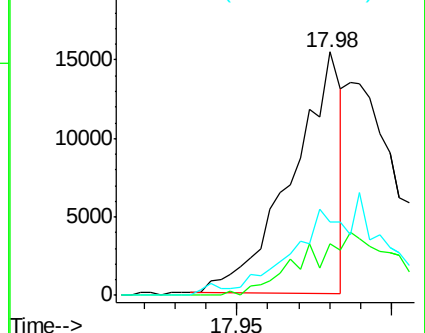
91 0.0 25.0 37.4#



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: 0.09 ppbv

RT: 18.89 min Scan# 5536

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

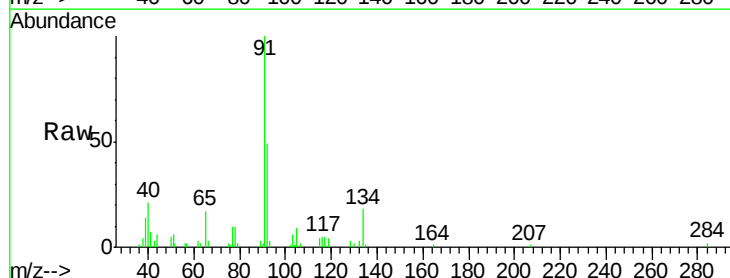
Tgt Ion: 91 Resp: 38238

Ion Ratio Lower Upper

91 100

92 50.4 42.2 63.4

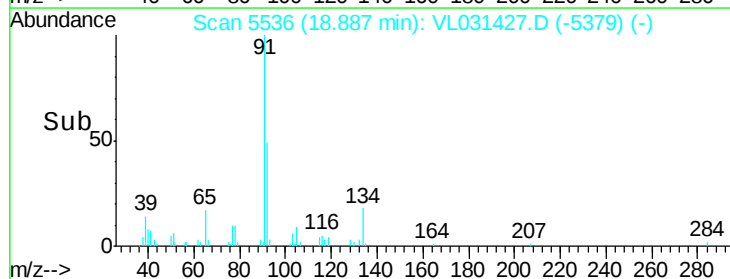
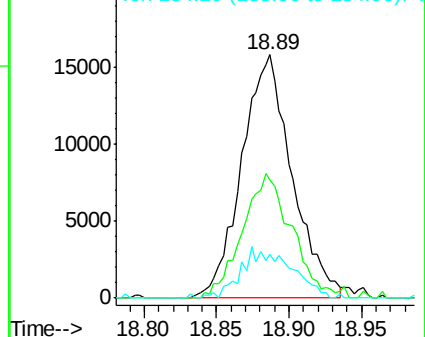
134 20.6 17.4 26.2

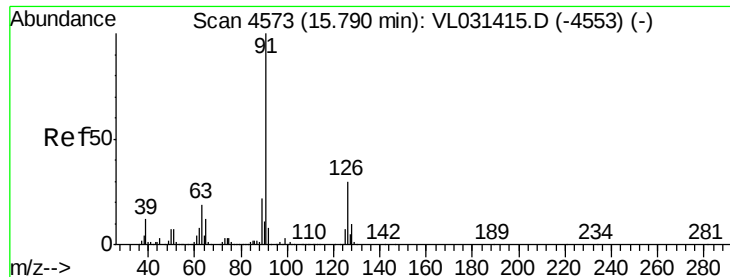


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.08 ppbv

RT: 15.79 min Scan# 4573

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampled :

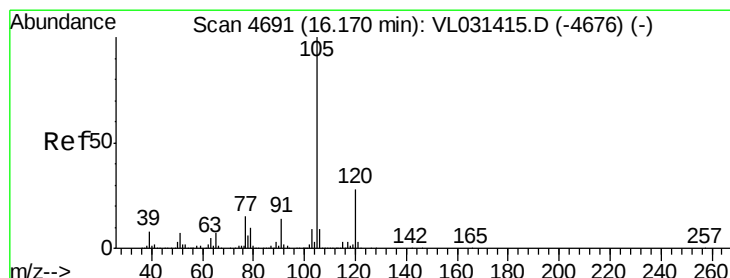
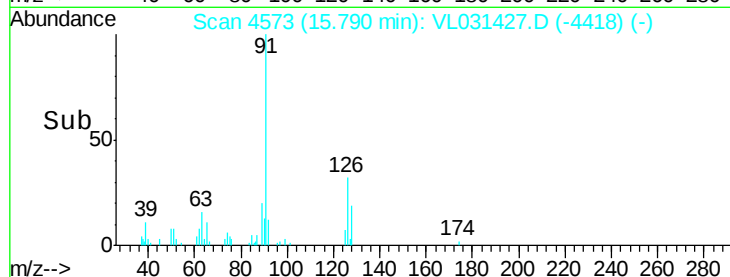
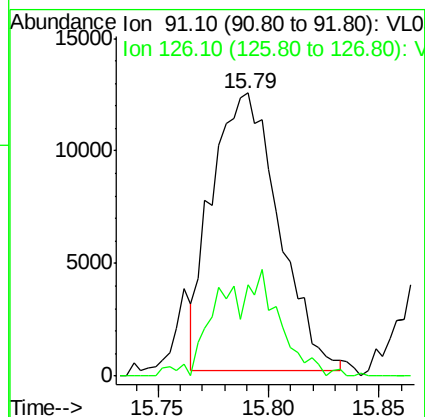
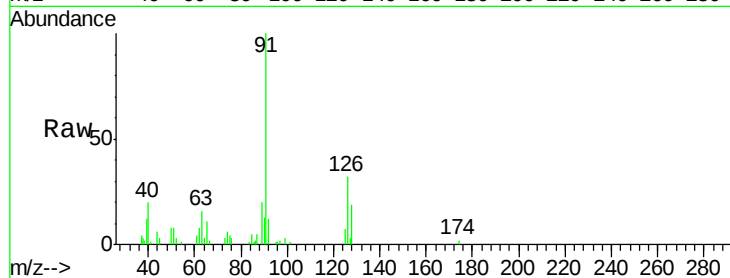
MDL-AIR-2

Tgt Ion: 91 Resp: 25882

Ion Ratio Lower Upper

91 100

126 35.0 11.7 46.9



#72

4-Ethyltoluene

Concen: 0.02 ppbv

RT: 16.17 min Scan# 4691

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion:105 Resp: 8133

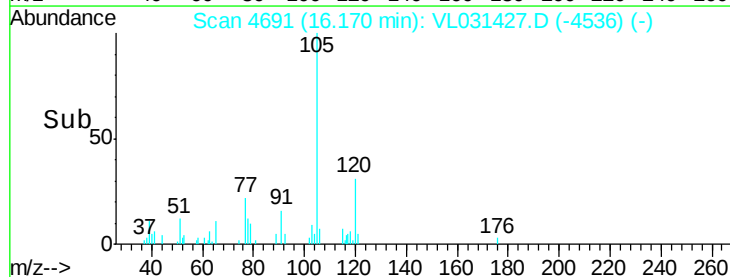
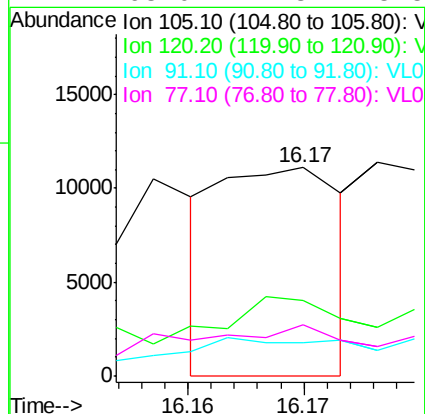
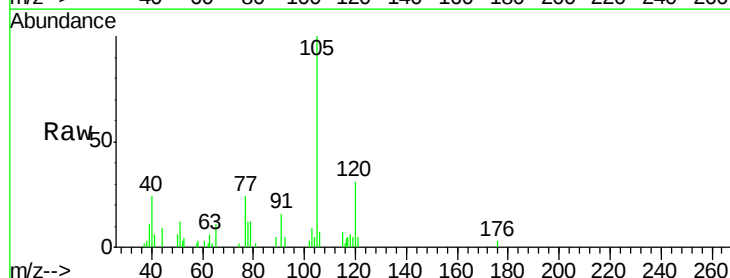
Ion Ratio Lower Upper

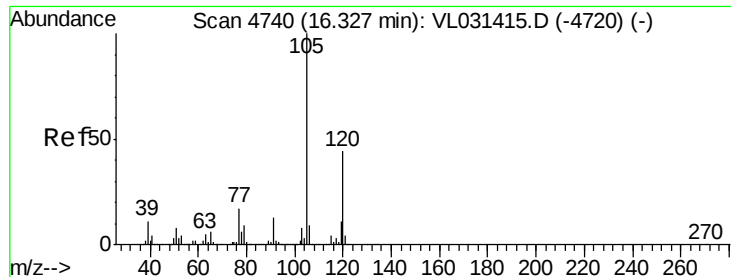
105 100

120 101.0 23.0 34.6#

91 56.2 11.0 16.4#

77 63.0 12.3 18.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.05 ppbv

RT: 16.32 min Scan# 4739

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

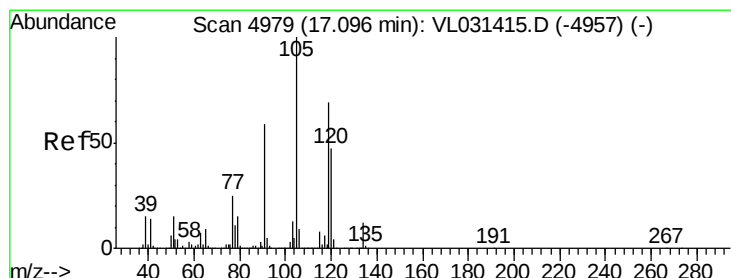
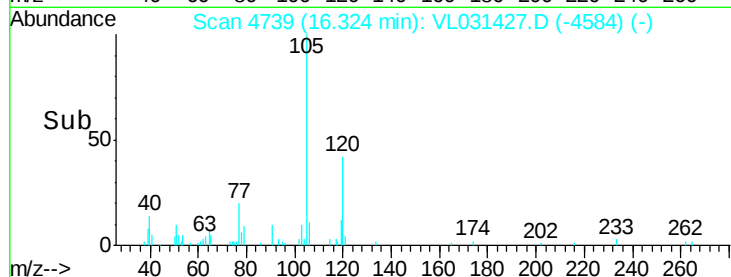
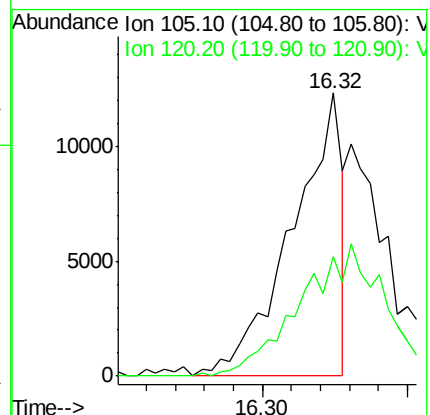
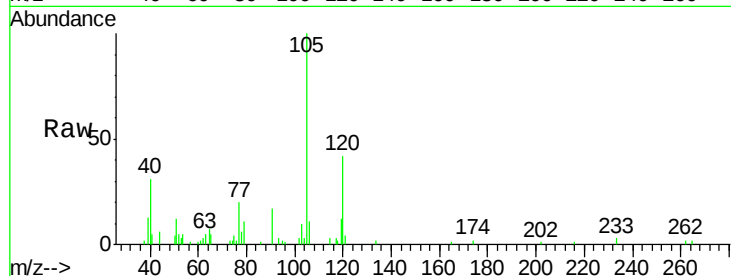
MDL-AIR-2

Tgt Ion:105 Resp: 14648

Ion Ratio Lower Upper

105 100

120 46.4 35.8 53.6



#74

1,2,4-Trimethylbenzene

Concen: 0.05 ppbv

RT: 17.09 min Scan# 4978

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion:105 Resp: 18132

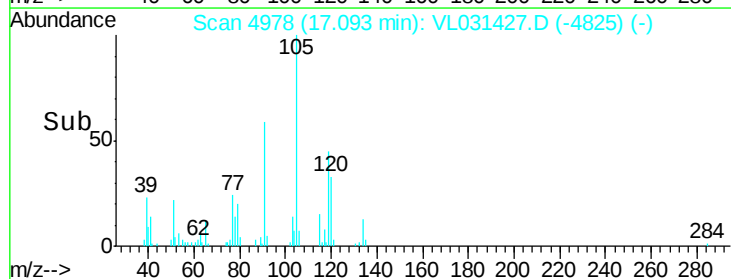
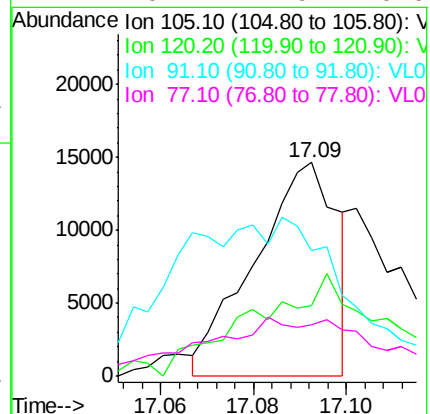
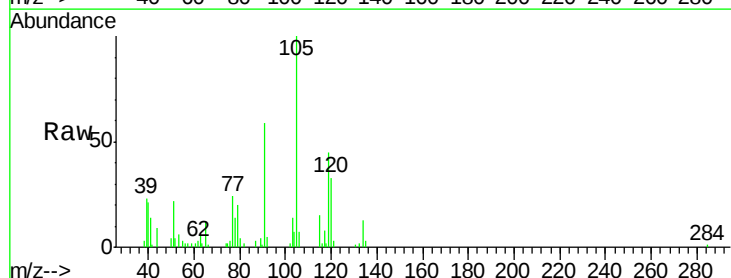
Ion Ratio Lower Upper

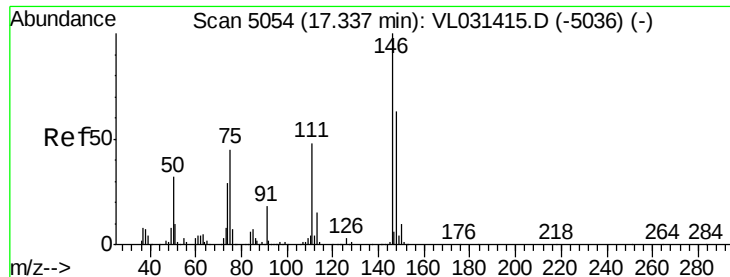
105 100

120 20.8 37.0 55.6#

91 18.7 35.1 52.7#

77 9.2 17.9 26.9#





#75

1,3-Dichlorobenzene

Concen: 0.06 ppbv

RT: 17.33 min Scan# 5052

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

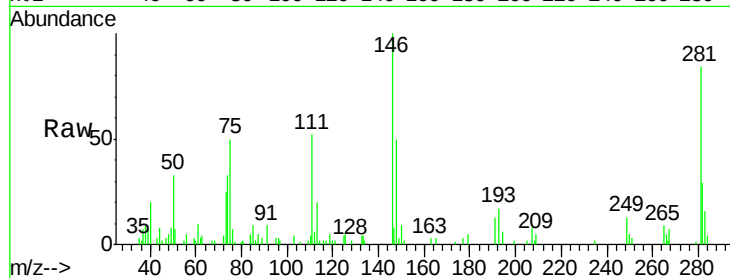
Tgt Ion:146 Resp: 13018

Ion Ratio Lower Upper

146 100

111 152.4 24.2 72.6#

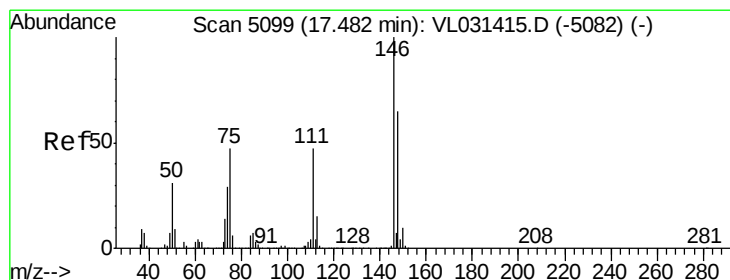
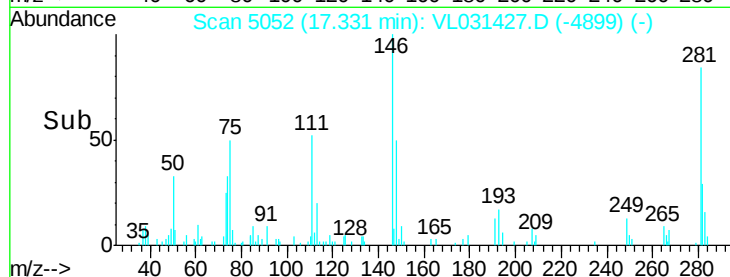
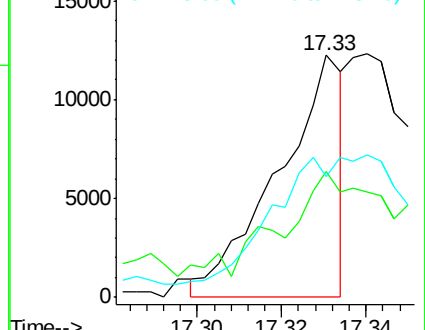
148 0.0 32.1 96.3#



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: 0.06 ppbv

RT: 17.48 min Scan# 5097

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

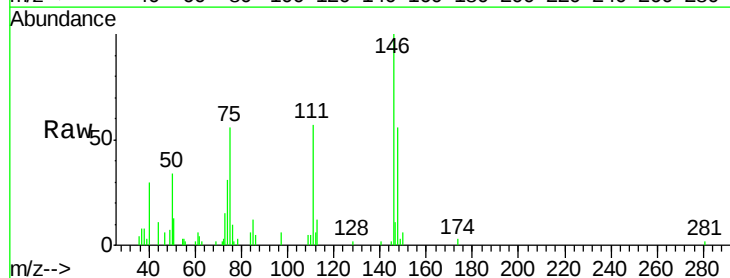
Tgt Ion:146 Resp: 12904

Ion Ratio Lower Upper

146 100

111 0.0 23.3 69.9#

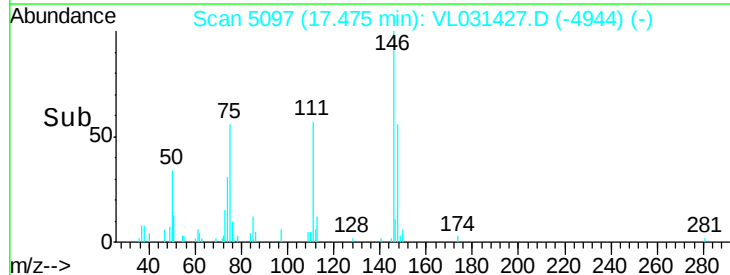
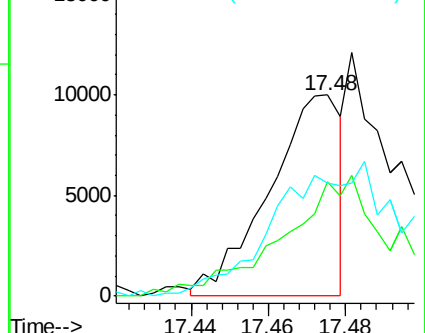
148 0.0 32.4 97.2#

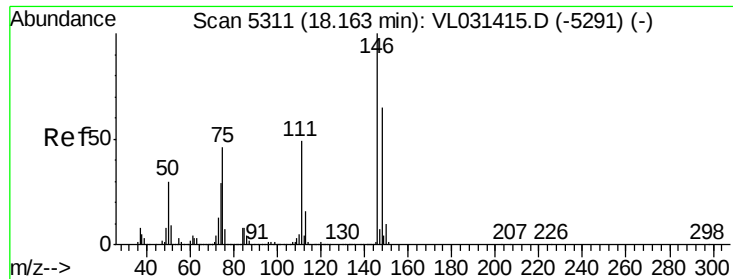


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.12 ppbv

RT: 18.16 min Scan# 5309

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

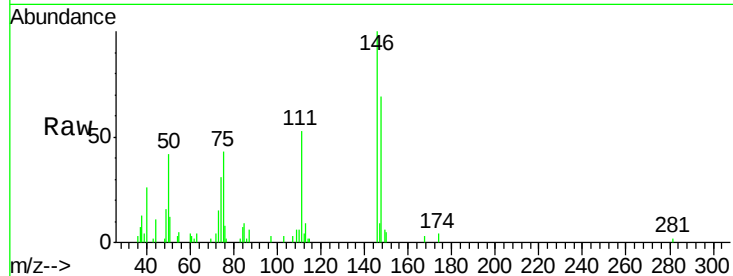
Tgt Ion:146 Resp: 23871

Ion Ratio Lower Upper

146 100

111 54.5 24.6 74.0

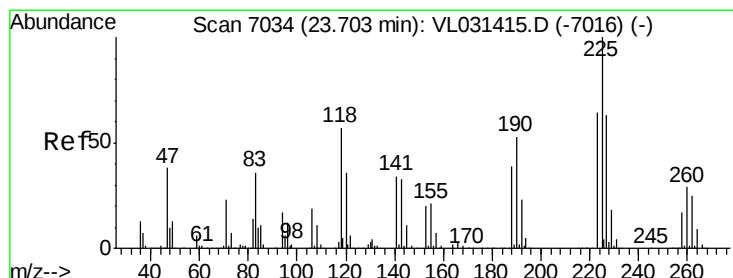
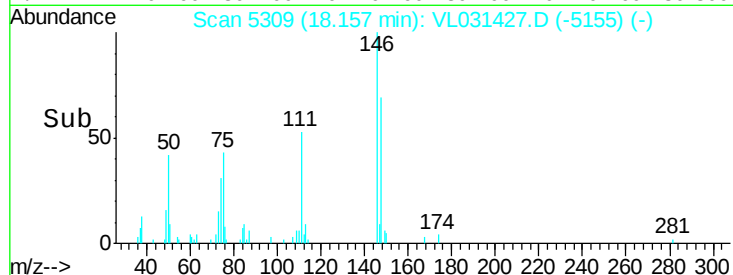
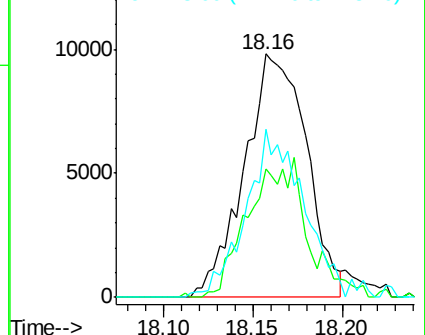
148 65.0 32.3 96.8



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.11 ppbv

RT: 23.70 min Scan# 7033

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

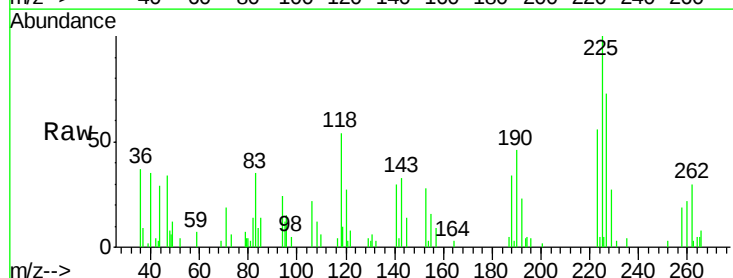
Tgt Ion:225 Resp: 7750

Ion Ratio Lower Upper

225 100

223 0.0 51.3 76.9#

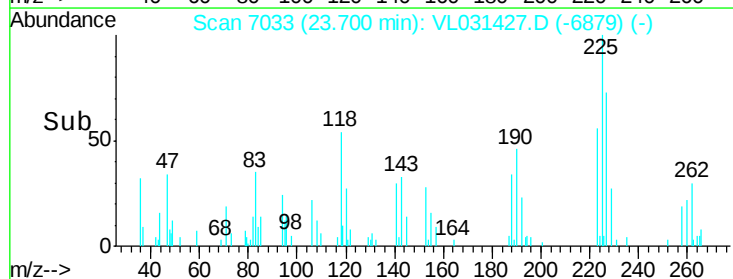
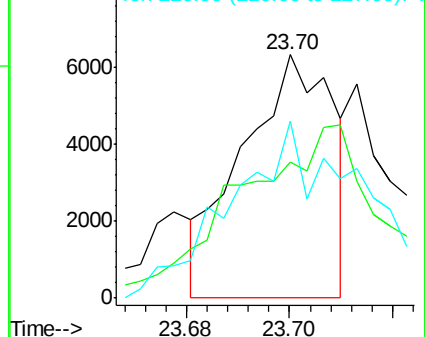
227 112.8 50.7 76.1#

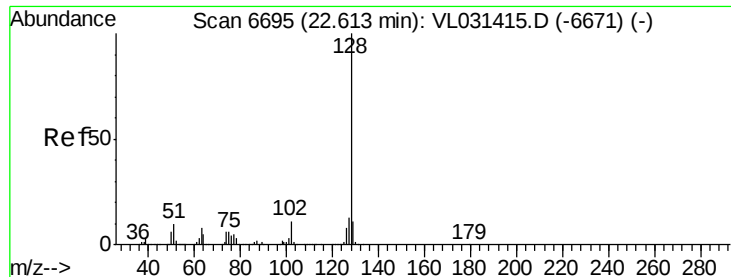


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

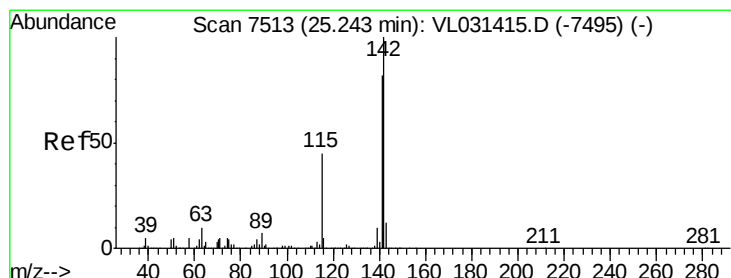
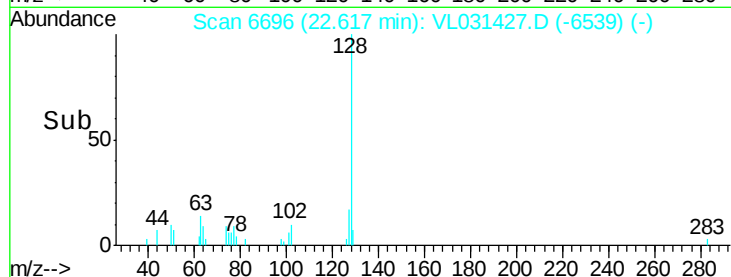
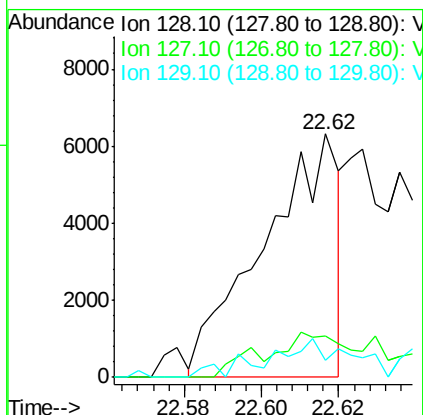
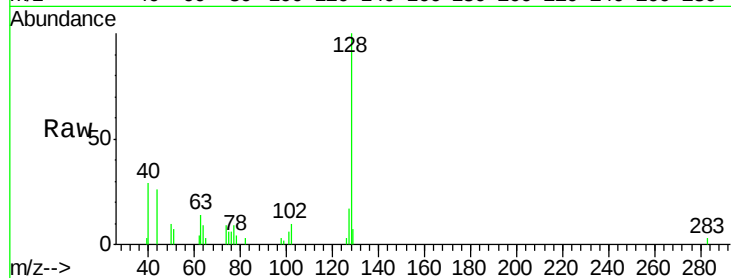




#79
Naphthalene
Concen: 0.04 ppbv
RT: 22.62 min Scan# 6696
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

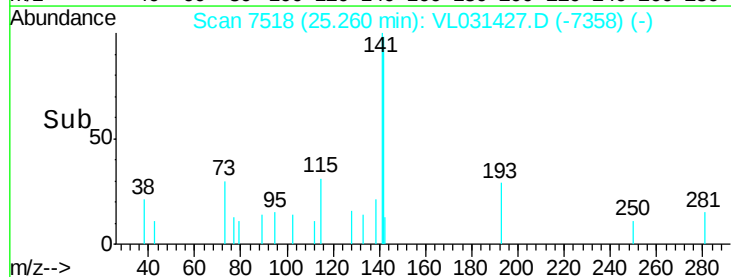
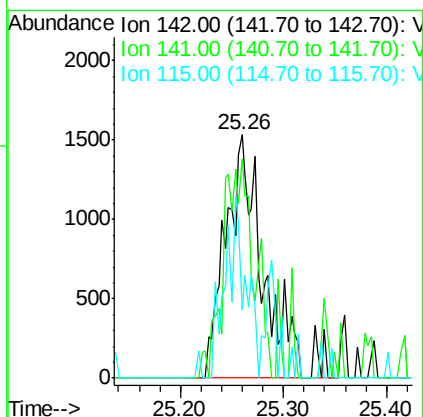
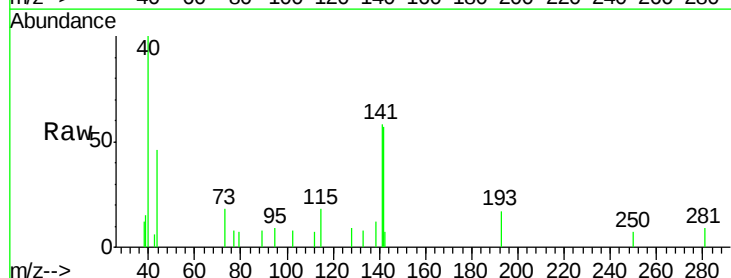
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

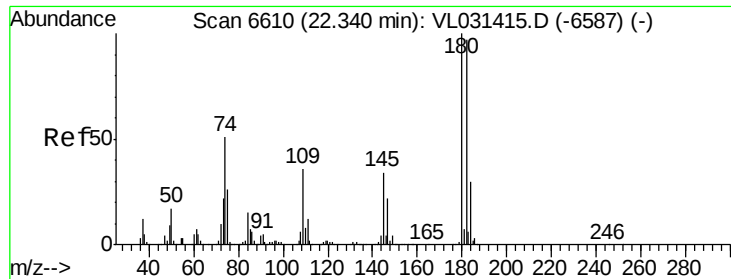
Tgt Ion:128 Resp: 8529
Ion Ratio Lower Upper
128 100
127 17.5 10.6 16.0#
129 7.1 9.2 13.8#



#80
Naphthalene, 2-methyl-
Concen: 0.07 ppbv
RT: 25.26 min Scan# 7518
Delta R.T. 0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion:142 Resp: 3925
Ion Ratio Lower Upper
142 100
141 81.1 68.7 103.1
115 41.0 36.3 54.5

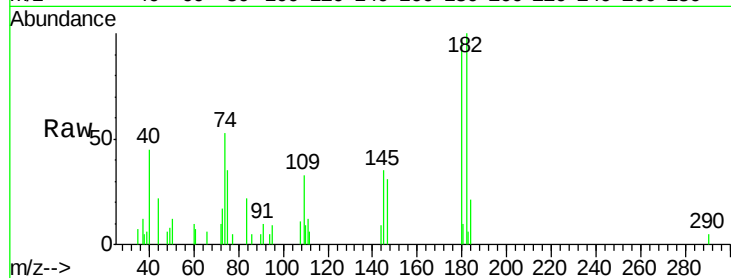




#81
 1,2,4-Trichlorobenzene
 Concen: 0.03 ppbv
 RT: 22.33 min Scan# 6607
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tgt Ion:180 Resp: 3049
 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

