

Data File : VL031980.D

Acq On : 4 May 2018 2:45

Operator : SY/AP

Sample : J2629-02

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG1

Quant Time: May 04 03:30:07 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1125755	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2209807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2222985	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	1802232	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.16	85	18732	0.13	ppbv	91
3) Chlorodifluoromethane	3.07	51	87476	0.83	ppbv #	69
4) Chloromethane	3.26	50	22157	0.40	ppbv	96
5) Vinyl Chloride	3.38	62	843	0.01	ppbv #	41
6) Bromomethane	3.61	94	485	0.01	ppbv #	14
7) Chloroethane	3.70	64	1061	0.04	ppbv #	71
9) Propene	3.12	41	117940	3.04	ppbv	95
10) Heptane	8.38	43	14166	0.11	ppbv #	83
11) Trichlorofluoromethane	4.11	101	41790	0.23	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.66	101	10719	0.08	ppbv	88
13) Ethanol	3.76	45	170466	11.76	ppbv #	100
14) Bromoethene	3.89	108	855	0.02	ppbv #	79
15) Acetone	4.00	43	504012	3.17	ppbv #	84
16) 1,3-Butadiene	3.44	39	57980	1.13	ppbv #	59
19) Isopropyl Alcohol	4.14	45	5745	0.07	ppbv #	95
20) Methylene Chloride	4.51	84	79150	1.47	ppbv #	92
21) Allyl Chloride	4.59	41	1574	0.02	ppbv #	25
23) Vinyl Acetate	5.26	43	42434	0.23	ppbv #	74
25) Ethyl Acetate	5.90	43	133024	0.49	ppbv #	81
26) Hexane	5.90	57	176010	1.37	ppbv #	45
27) Carbon Disulfide	4.73	76	6720	0.05	ppbv #	1
29) Chloroform	5.97	83	20004	0.10	ppbv #	76
31) cis-1,2-Dichloroethene	5.76	61	1367	0.01	ppbv #	73
34) 2-Butanone	5.45	43	575267	3.16	ppbv	100
35) Carbon Tetrachloride	7.27	117	8880	0.05	ppbv #	62
36) Benzene	7.13	78	92695	0.45	ppbv	93
38) Trichloroethene	8.10	130	1411	0.02	ppbv #	42
39) 1,2-Dichloropropane	7.43	63	577533	7.97	ppbv #	23
40) 1,4-Dioxane	8.12	88	463	0.01	ppbv #	1
41) Tetrahydrofuran	6.29	42	1288	0.02	ppbv #	1
42) Bromodichloromethane	8.06	83	1715	0.01	ppbv #	30
44) 2,2,4-Trimethylpentane	8.13	57	8835	0.03	ppbv #	43
47) 1,1,2-Trichloroethane	9.76	97	1427	0.02	ppbv #	76
51) 2-Hexanone	10.42	43	157889	1.01	ppbv #	96
53) Toluene	10.09	91	133255	0.59	ppbv	98
58) Ethyl Benzene	13.02	91	21128	0.07	ppbv	98
59) m/p-Xylene	13.30	91	25209	0.09	ppbv #	31
60) o-Xylene	14.00	91	40802	0.15	ppbv	69
61) Styrene	13.84	104	6546	0.12	ppbv #	35
62) Isopropylbenzene	14.97	105	10707	0.03	ppbv #	50
64) n-propylbenzene	15.86	120	2102	0.02	ppbv #	1

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SG1

Quant Time: May 04 03:30:07 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Benzyl Chloride	17.31	91	521	0.02	ppbv #	71
67) sec-Butylbenzene	17.60	105	6981	0.02	ppbv #	60
69) p-Isopropyltoluene	17.96	119	23246	0.07	ppbv #	50
71) 2-Chlorotoluene	15.75	91	7227	0.03	ppbv	84
72) 4-Ethyltoluene	16.14	105	35255	0.13	ppbv #	89
73) 1,3,5-Trimethylbenzene	16.31	105	27938	0.11	ppbv	89
74) 1,2,4-Trimethylbenzene	17.07	105	126547	0.45	ppbv #	71
76) 1,4-Dichlorobenzene	17.46	146	3070	0.02	ppbv #	14
79) Naphthalene	22.58	128	3762	0.02	ppbv #	74
80) Naphthalene,2-methyl-	25.24	142	1664	0.04	ppbv #	90

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

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Instrument :

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SG1

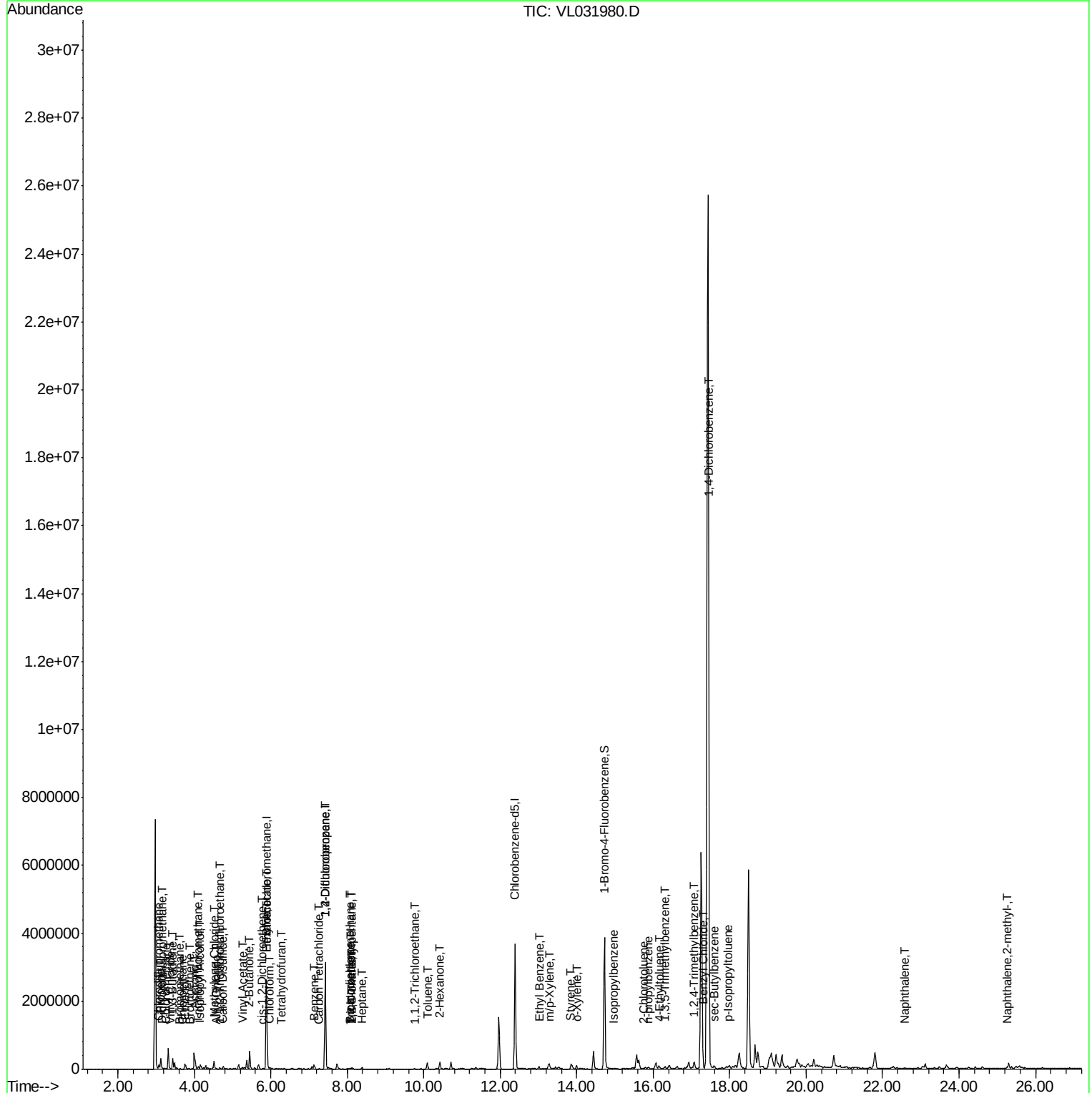
Quant Time: May 04 03:30:07 2018

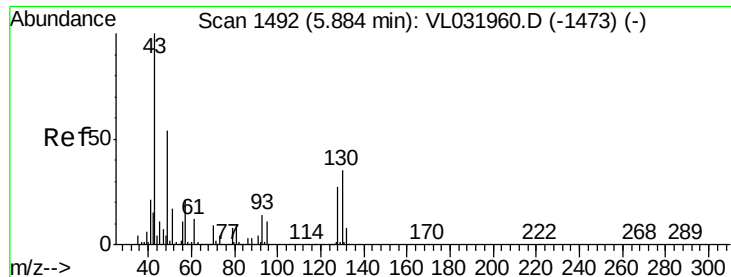
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

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QLast Update : Thu May 03 15:52:13 2018

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

SG1

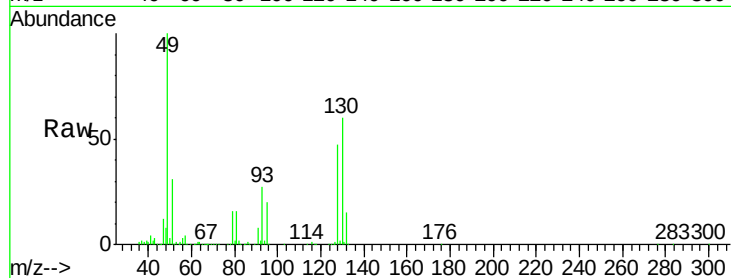
Tgt Ion: 49 Resp: 1125755

Ion Ratio Lower Upper

49 100

128 48.5 24.1 72.3

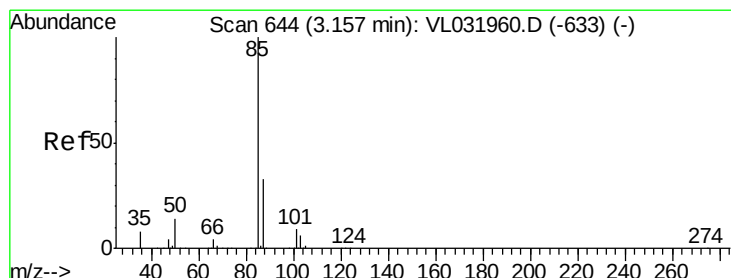
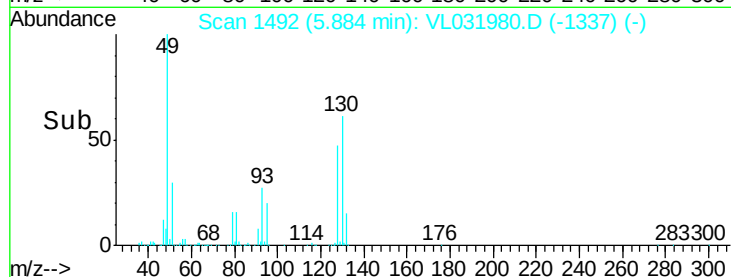
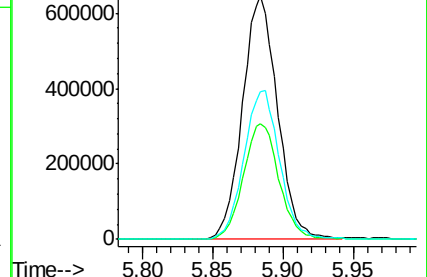
130 62.2 30.7 92.1



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: 0.13 ppbv

RT: 3.16 min Scan# 645

Delta R.T. 0.00 min

Lab File: VL031980.D

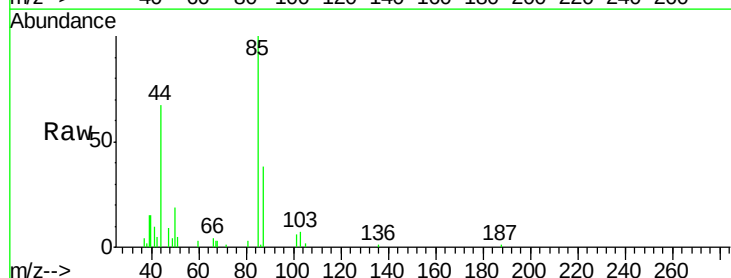
Acq: 4 May 2018 2:45

Tgt Ion: 85 Resp: 18732

Ion Ratio Lower Upper

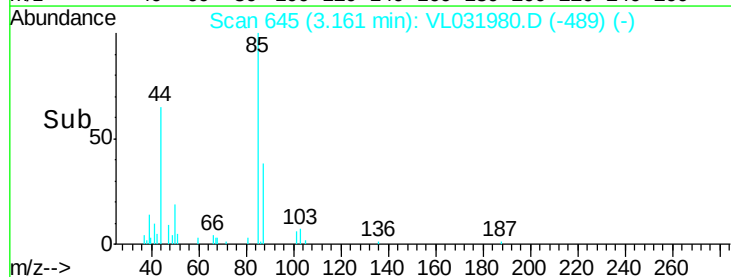
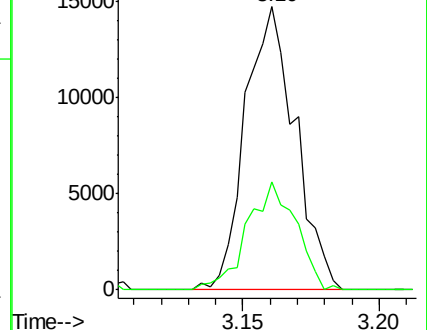
85 100

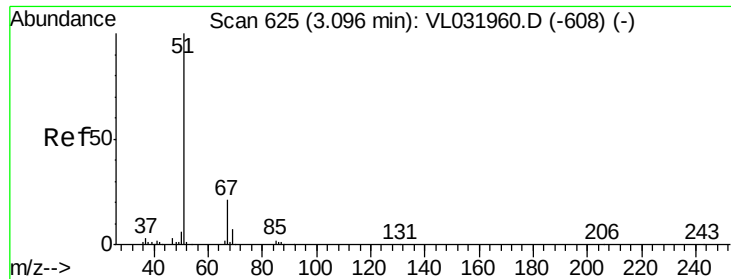
87 38.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.83 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.03 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

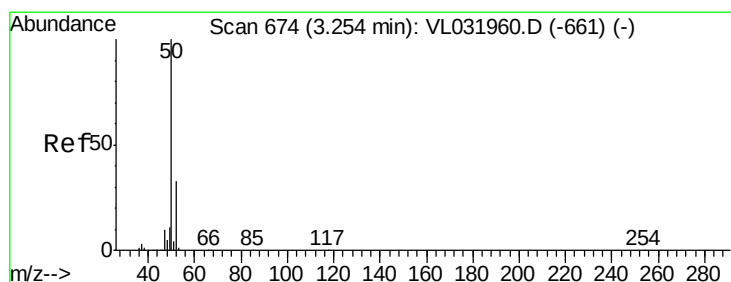
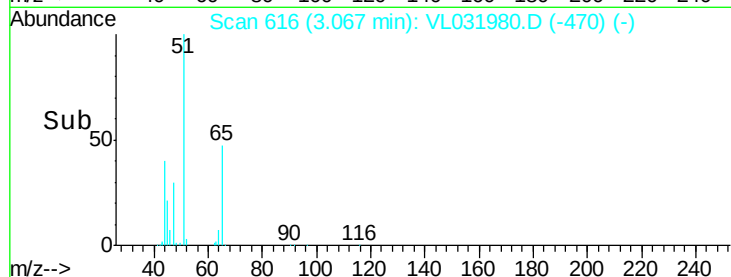
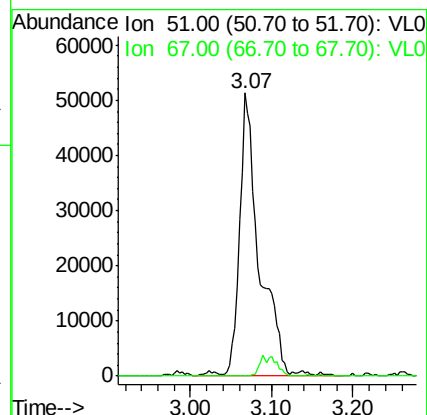
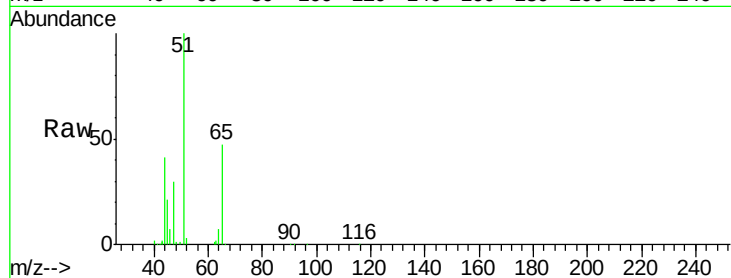
SG1

Tgt Ion: 51 Resp: 87476

Ion Ratio Lower Upper

51 100

67 5.7 15.9 23.9#



#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL031980.D

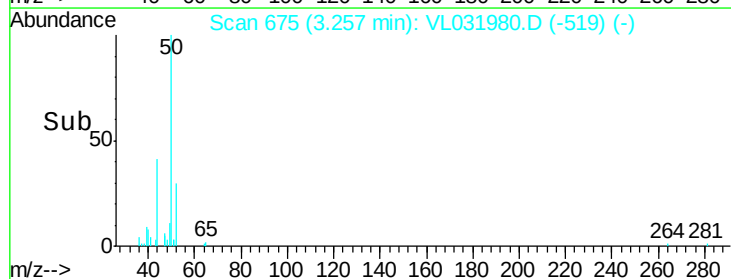
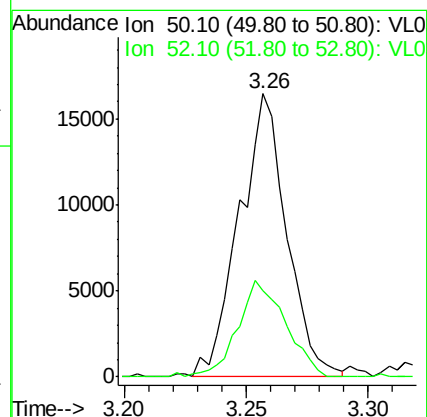
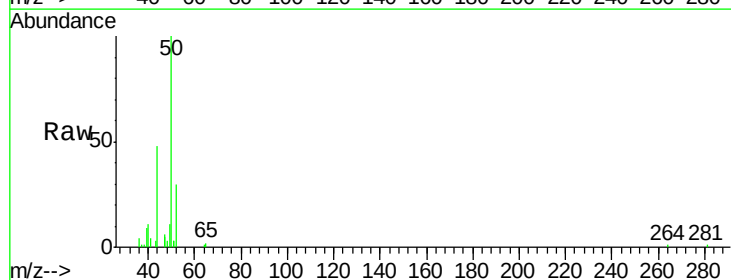
Acq: 4 May 2018 2:45

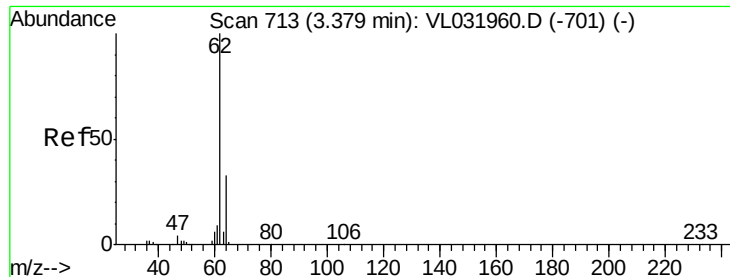
Tgt Ion: 50 Resp: 22157

Ion Ratio Lower Upper

50 100

52 31.0 26.6 39.8





#5

Vinyl Chloride

Concen: 0.01 ppbv

RT: 3.38 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

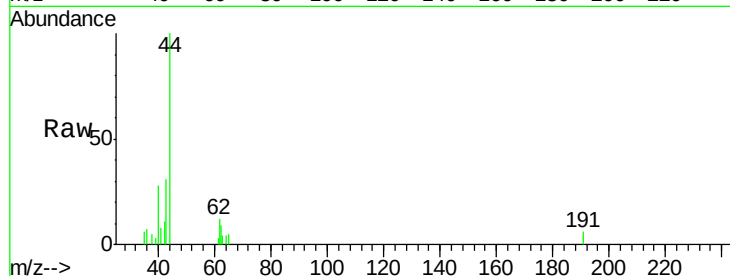
SG1

Tgt Ion: 62 Resp: 843

Ion Ratio Lower Upper

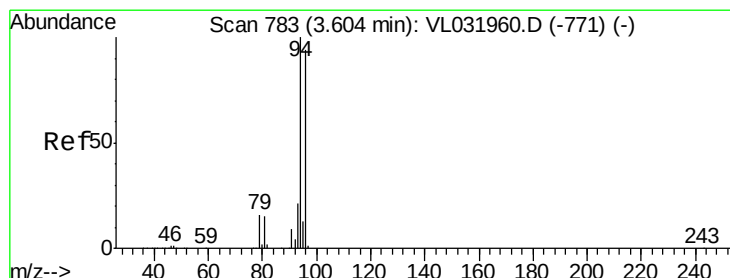
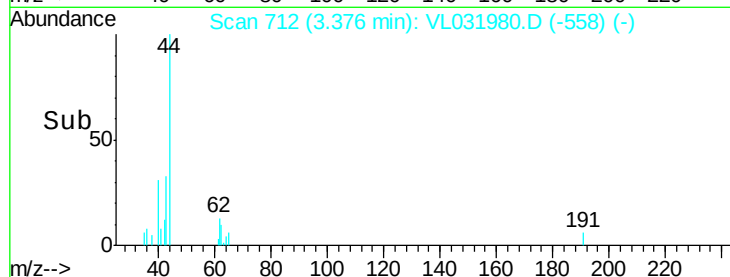
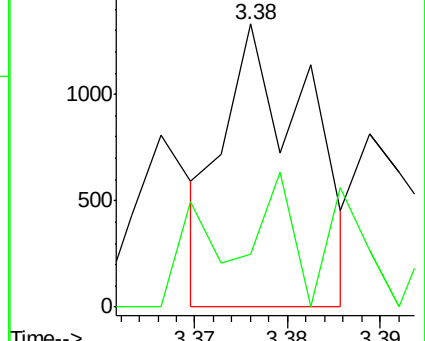
62 100

64 0.0 26.6 39.8#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.01 ppbv

RT: 3.61 min Scan# 784

Delta R.T. 0.00 min

Lab File: VL031980.D

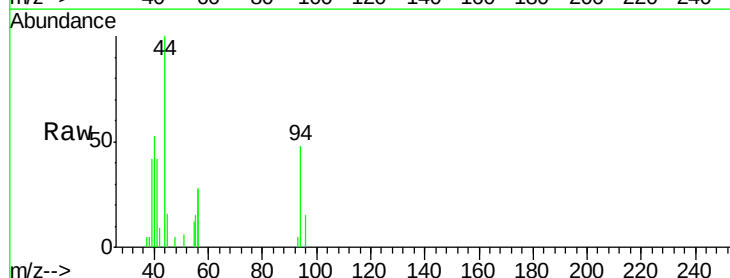
Acq: 4 May 2018 2:45

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

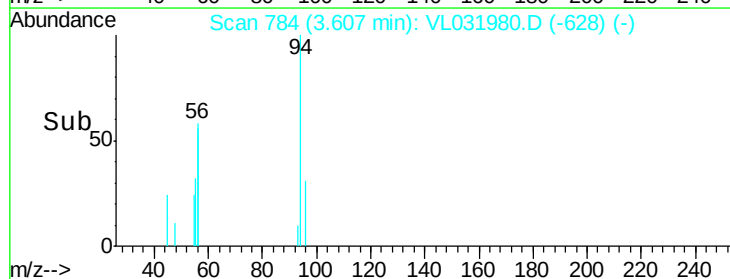
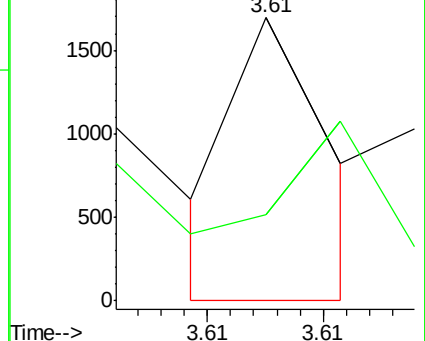
94 100

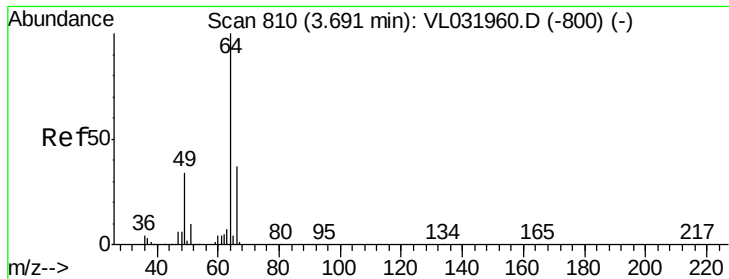
96 10.8 75.5 113.3#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.04 ppbv

RT: 3.70 min Scan# 812

Delta R.T. 0.01 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

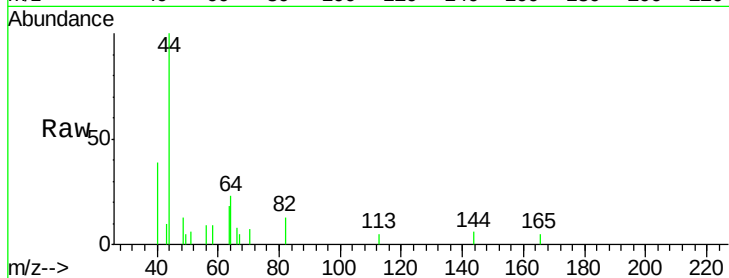
SG1

Tgt Ion: 64 Resp: 1061

Ion Ratio Lower Upper

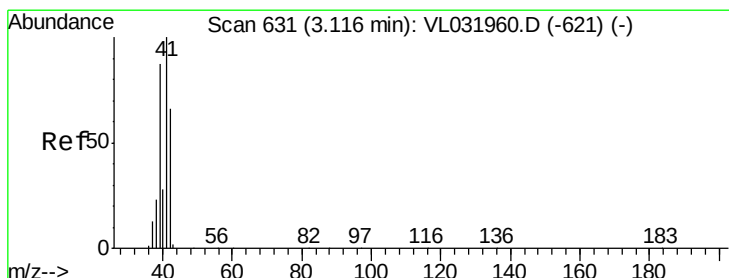
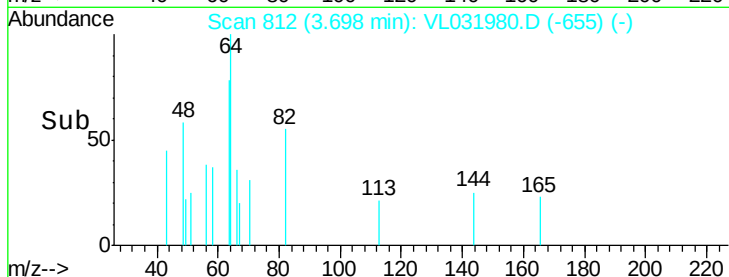
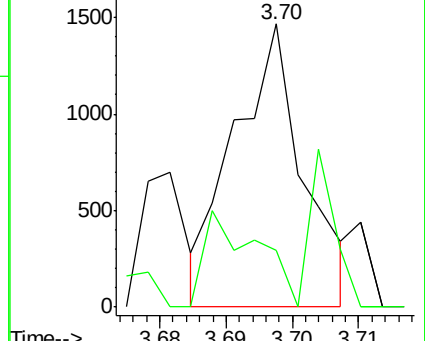
64 100

66 20.0 29.6 44.4#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 3.04 ppbv

RT: 3.12 min Scan# 633

Delta R.T. 0.01 min

Lab File: VL031980.D

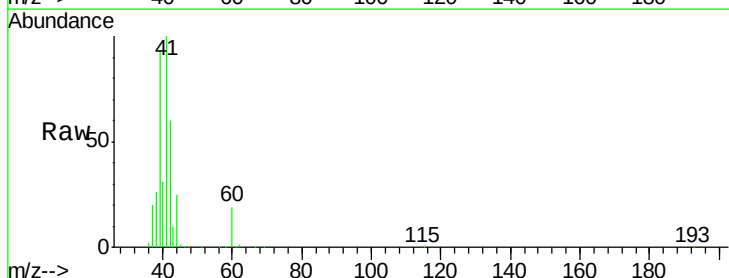
Acq: 4 May 2018 2:45

Tgt Ion: 41 Resp: 117940

Ion Ratio Lower Upper

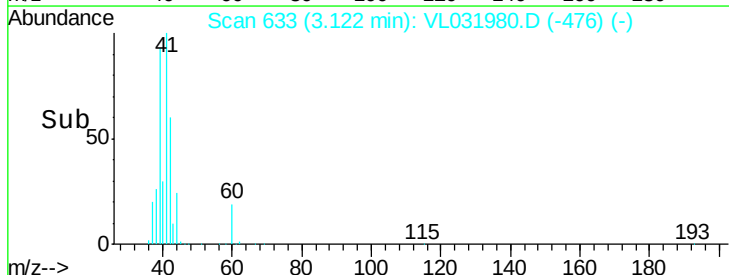
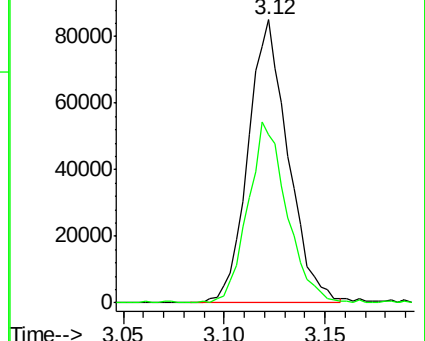
41 100

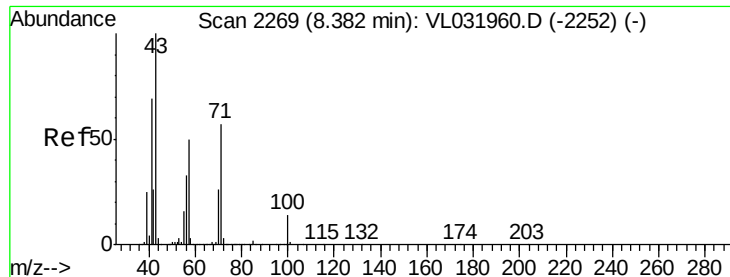
42 63.2 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.11 ppbv

RT: 8.38 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

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ClientSampleId :

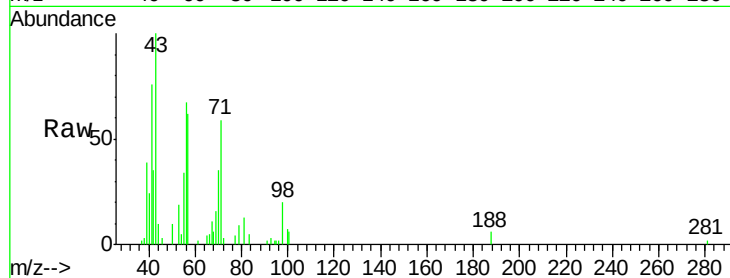
SG1

Tgt Ion: 43 Resp: 14166

Ion Ratio Lower Upper

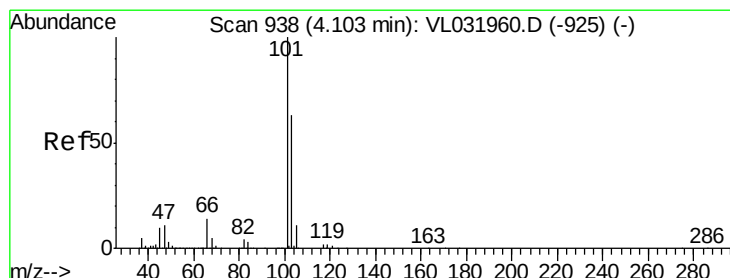
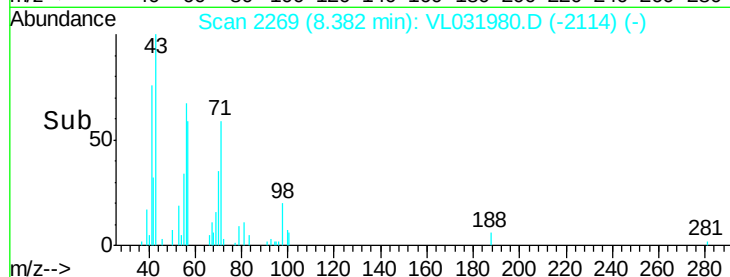
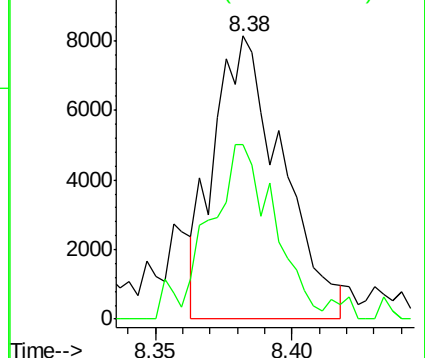
43 100

57 62.5 40.7 61.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.23 ppbv

RT: 4.11 min Scan# 939

Delta R.T. 0.00 min

Lab File: VL031980.D

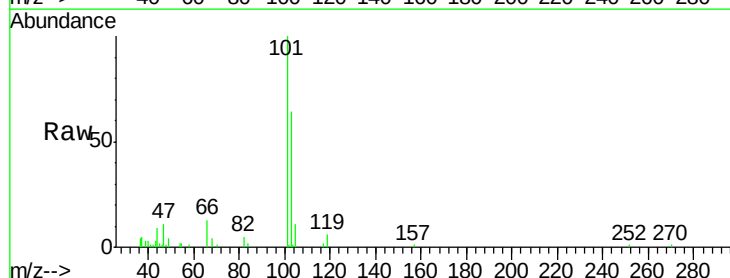
Acq: 4 May 2018 2:45

Tgt Ion: 101 Resp: 41790

Ion Ratio Lower Upper

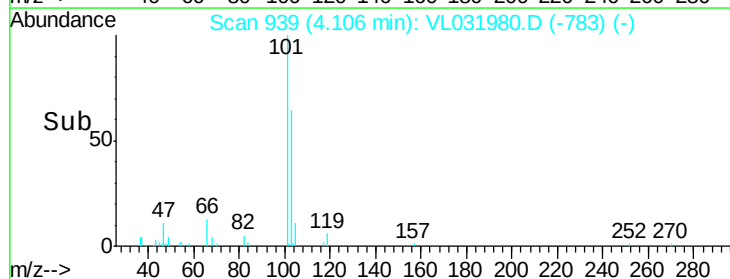
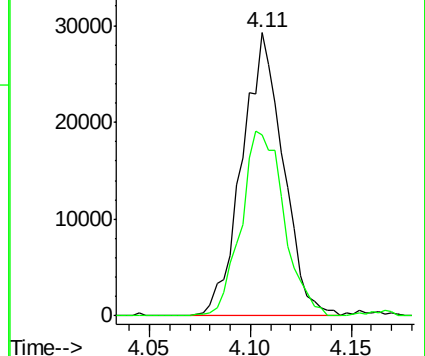
101 100

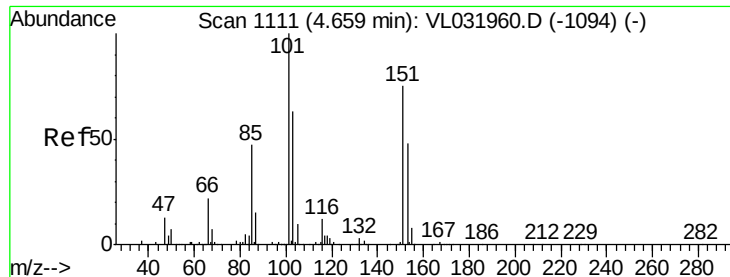
103 64.0 50.7 76.1



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: 0.08 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

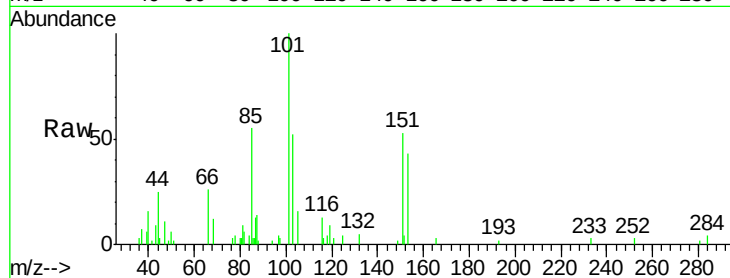
SG1

Tgt Ion: 101 Resp: 10719

Ion Ratio Lower Upper

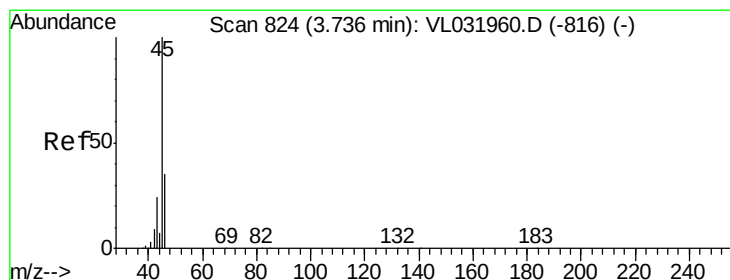
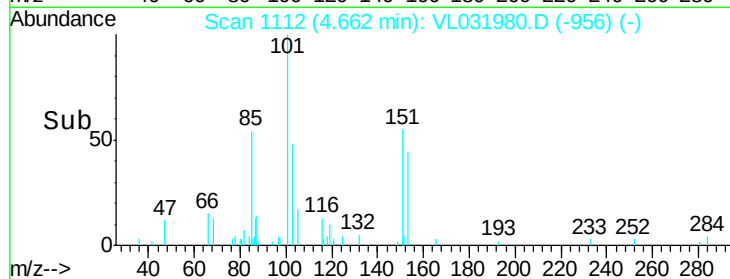
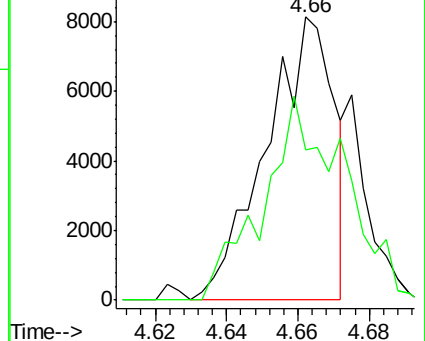
101 100

151 85.6 60.2 90.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 11.76 ppbv

RT: 3.76 min Scan# 830

Delta R.T. 0.02 min

Lab File: VL031980.D

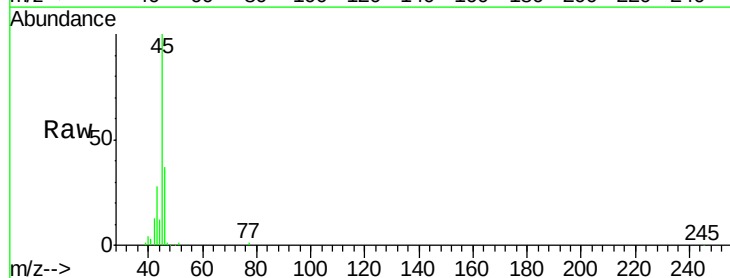
Acq: 4 May 2018 2:45

Tgt Ion: 45 Resp: 170466

Ion Ratio Lower Upper

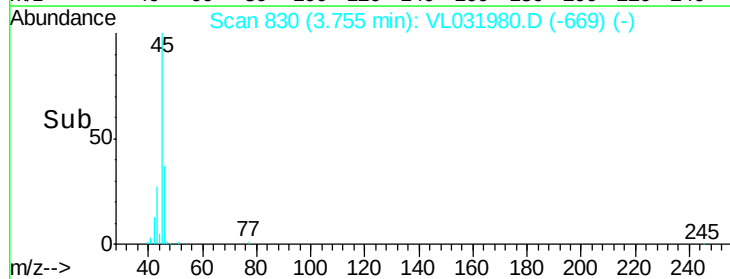
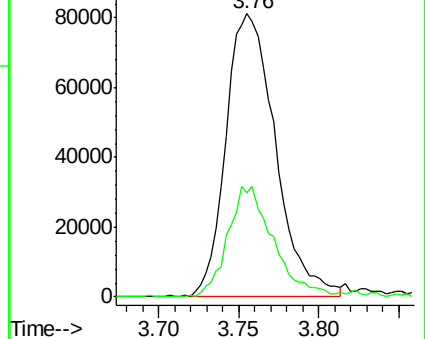
45 100

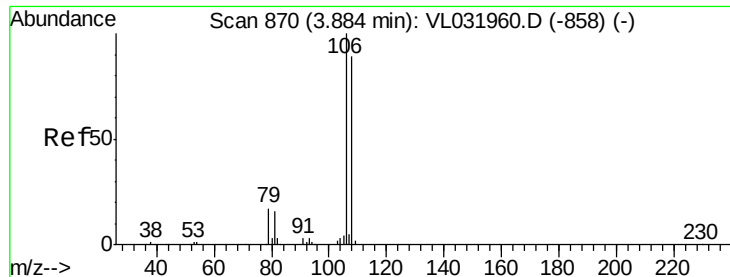
46 36.8 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#14

Bromoethene

Concen: 0.02 ppbv

RT: 3.89 min Scan# 871

Delta R.T. 0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampled :

SG1

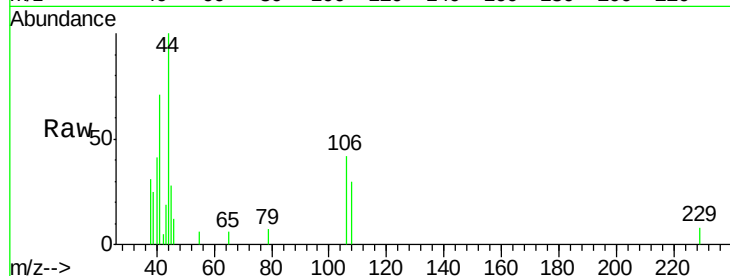
Tgt Ion: 108 Resp: 855

Ion Ratio Lower Upper

108 100

106 130.8 86.8 130.2#

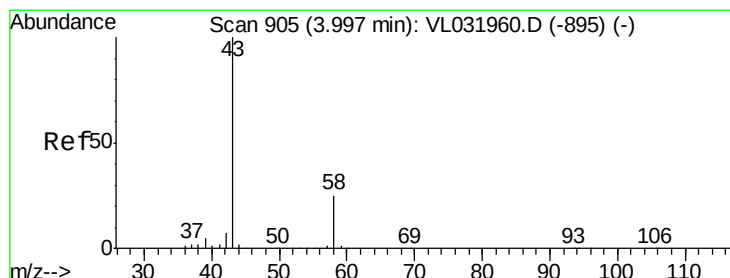
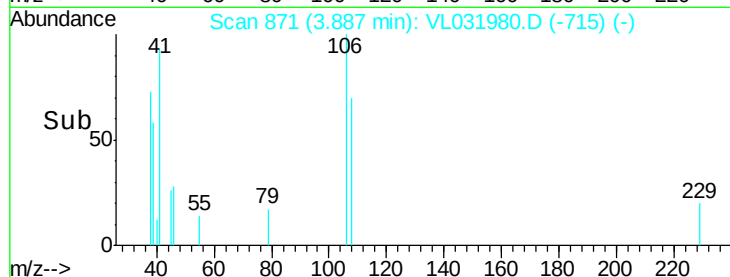
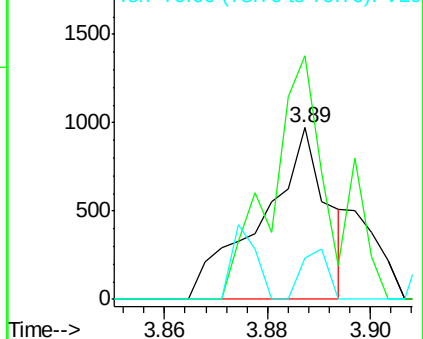
79 27.7 14.7 22.1#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): V



#15

Acetone

Concen: 3.17 ppbv

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VL031980.D

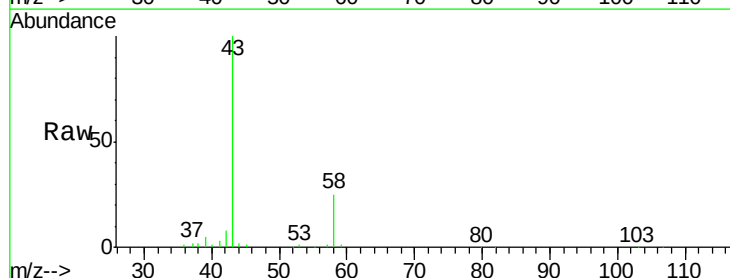
Acq: 4 May 2018 2:45

Tgt Ion: 43 Resp: 504012

Ion Ratio Lower Upper

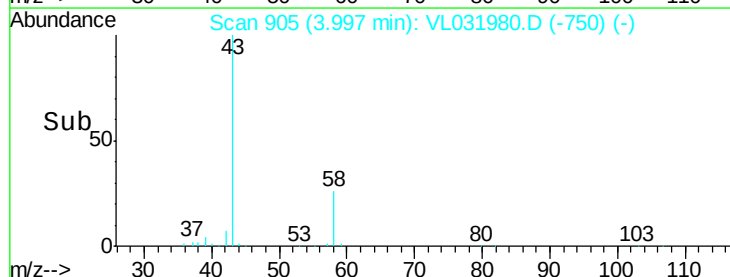
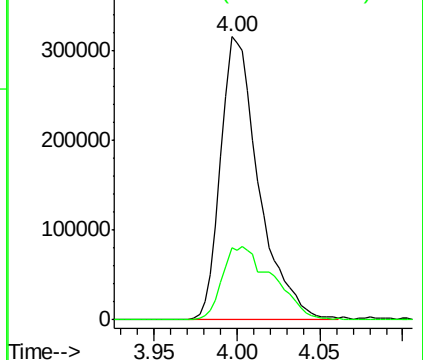
43 100

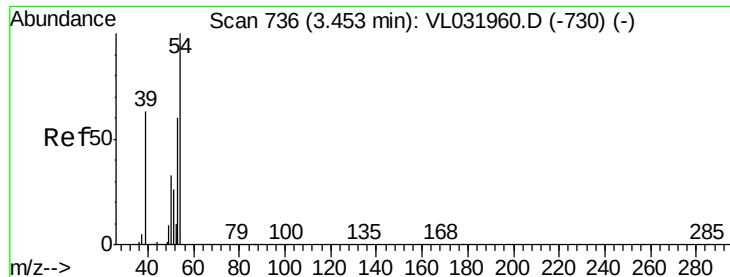
58 34.7 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

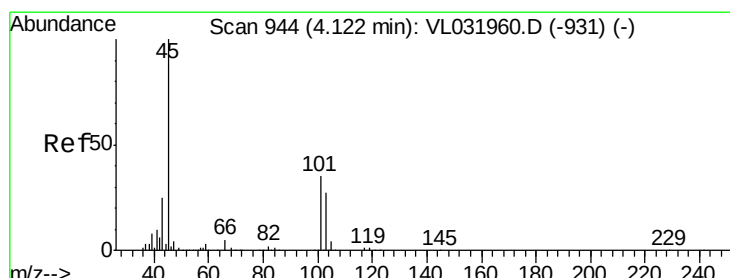
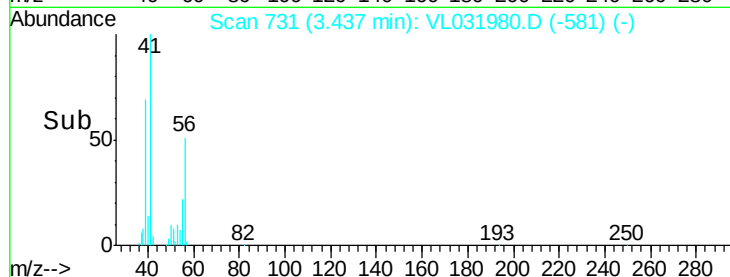
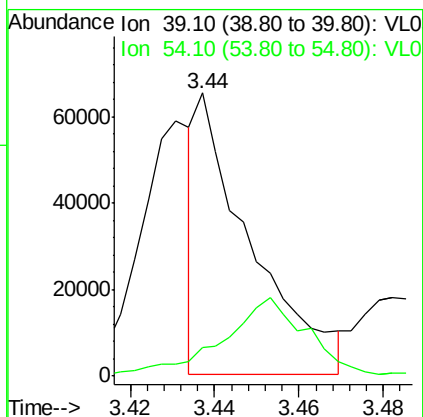
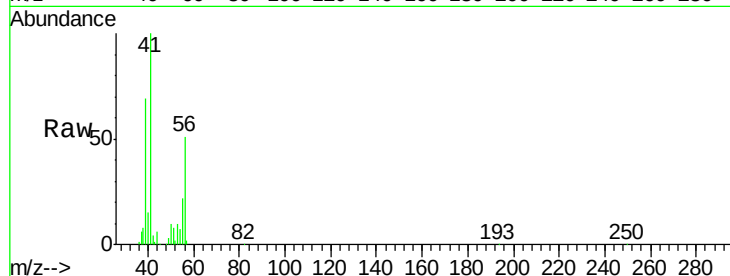




#16
 1,3-Butadiene
 Concen: 1.13 ppbv
 RT: 3.44 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

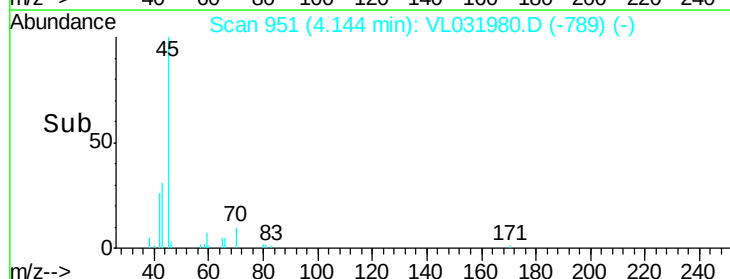
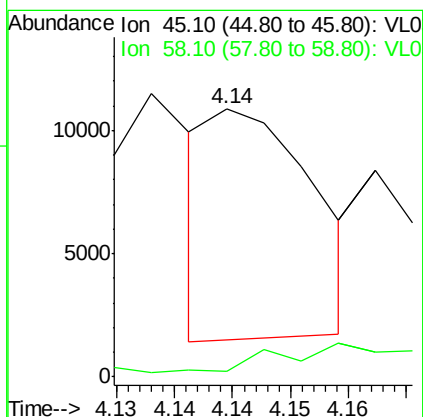
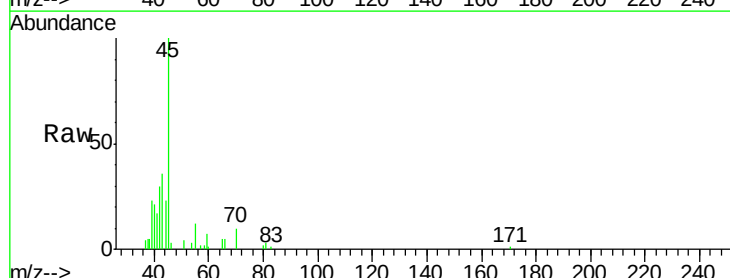
Instrument :
 MSVOA_L
 ClientSampleId :
 SG1

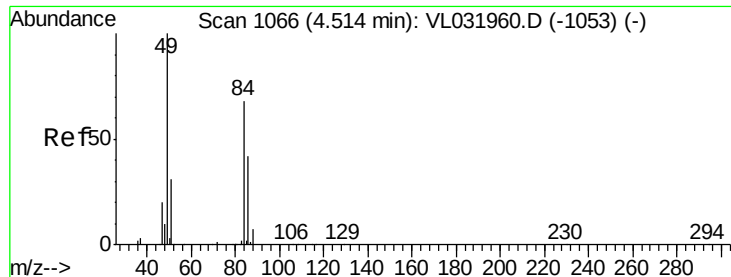
Tgt Ion: 39 Resp: 57980
 Ion Ratio Lower Upper
 39 100
 54 45.5 66.2 99.2#



#19
 Isopropyl Alcohol
 Concen: 0.07 ppbv
 RT: 4.14 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

Tgt Ion: 45 Resp: 5745
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.2#

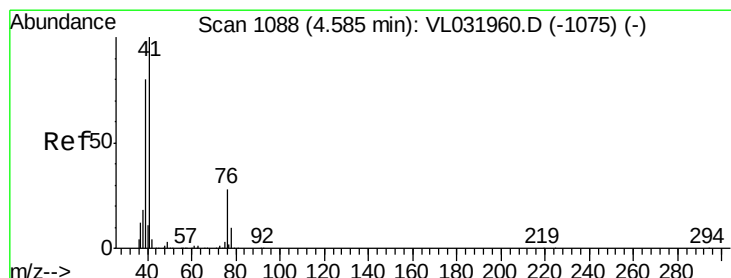
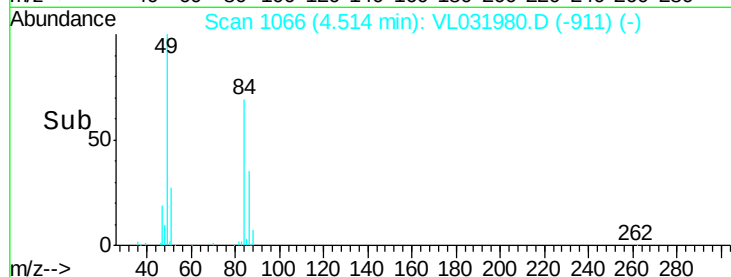
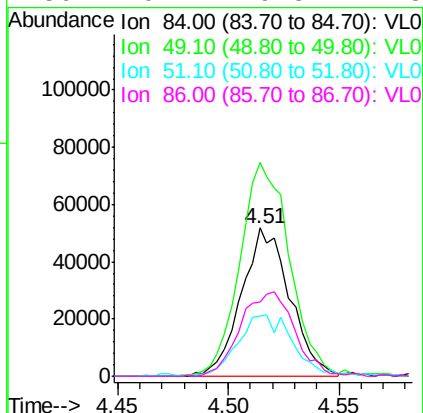
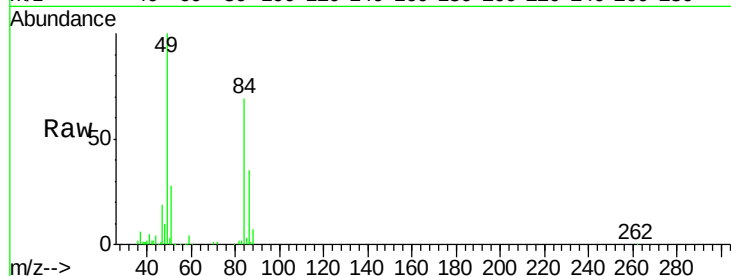




#20
Methylene Chloride
Concen: 1.47 ppbv
RT: 4.51 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

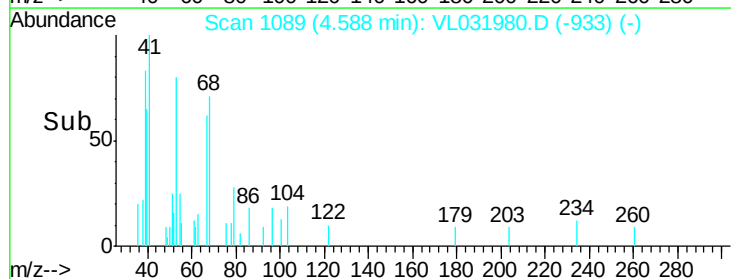
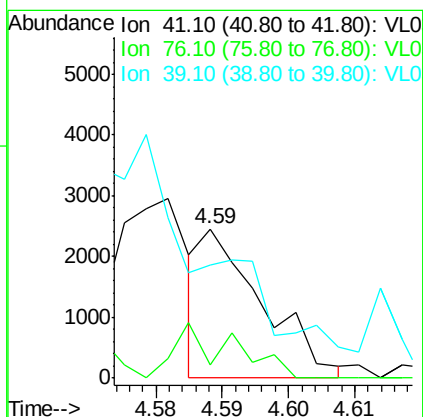
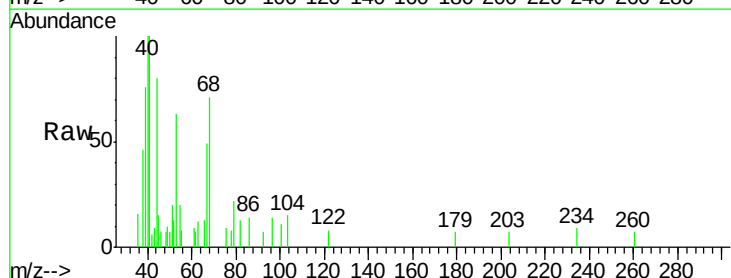
Instrument :
MSVOA_L
ClientSampleId :
SG1

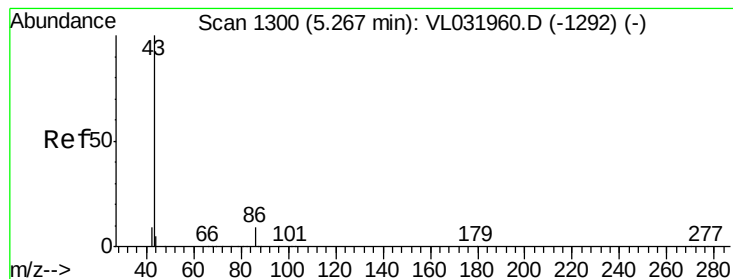
Tgt Ion: 84 Resp: 79150
Ion Ratio Lower Upper
84 100
49 143.9 118.6 178.0
51 39.7 36.6 54.8
86 49.2 49.8 74.8#



#21
Allyl Chloride
Concen: 0.02 ppbv
RT: 4.59 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

Tgt Ion: 41 Resp: 1574
Ion Ratio Lower Upper
41 100
76 45.2 23.4 35.0#
39 0.0 64.5 96.7#





#23

Vinyl Acetate

Concen: 0.23 ppbv

RT: 5.26 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

SG1

Tgt Ion: 43 Resp: 42434

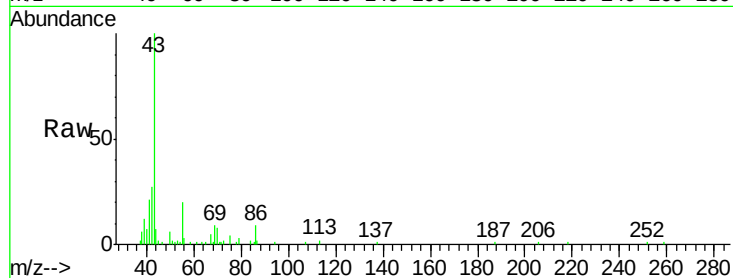
Ion Ratio Lower Upper

43 100

86 11.2 6.1 9.1#

42 27.5 8.0 12.0#

44 1.9 3.9 5.9#

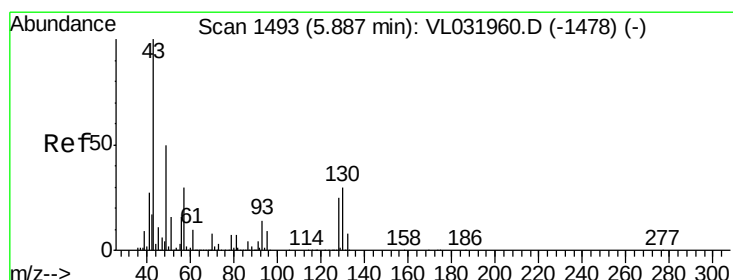
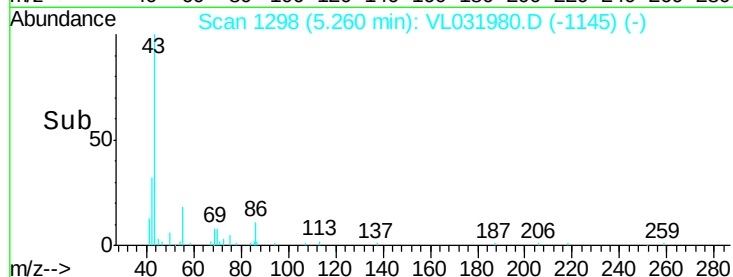
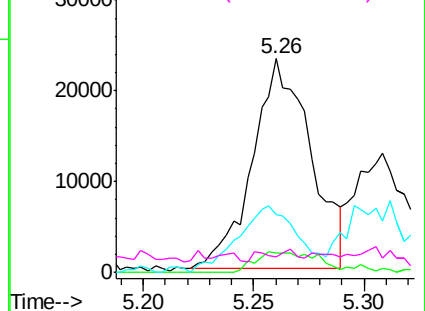


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.49 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. 0.02 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Tgt Ion: 43 Resp: 133024

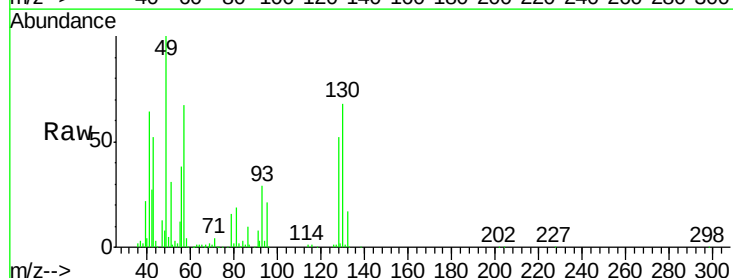
Ion Ratio Lower Upper

43 100

45 2.1 7.8 11.6#

61 1.6 7.4 11.2#

70 2.6 5.8 8.8#

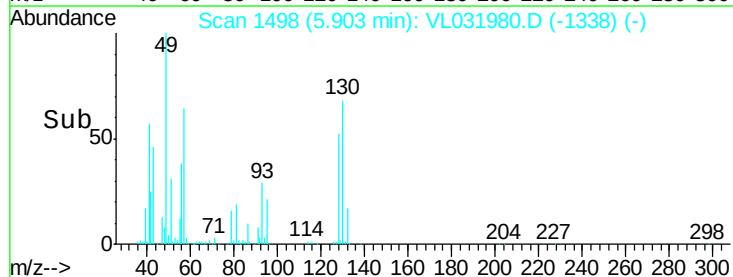
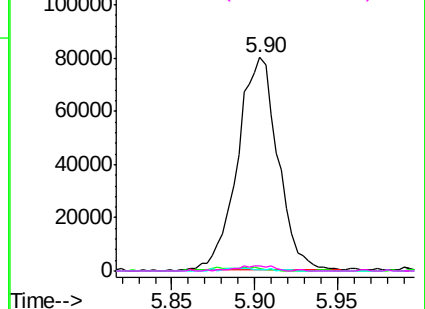


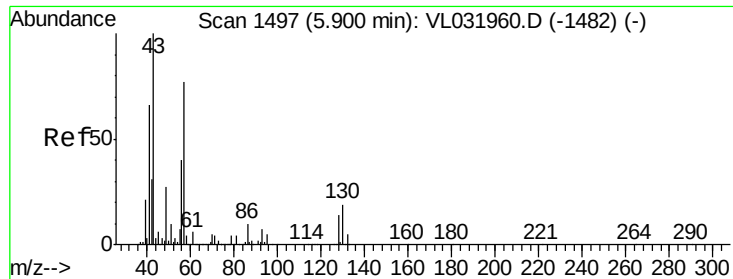
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

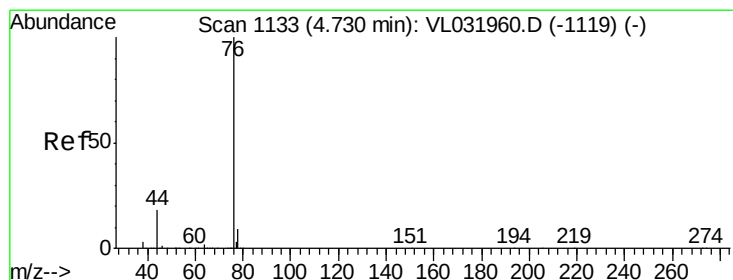
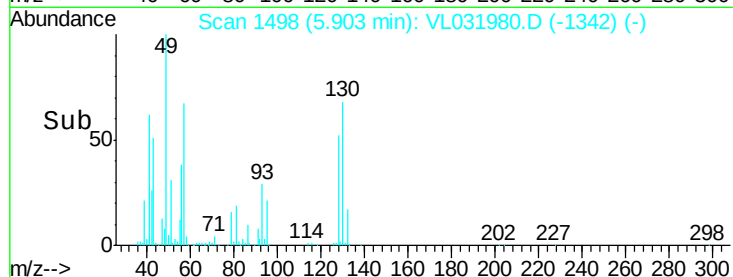
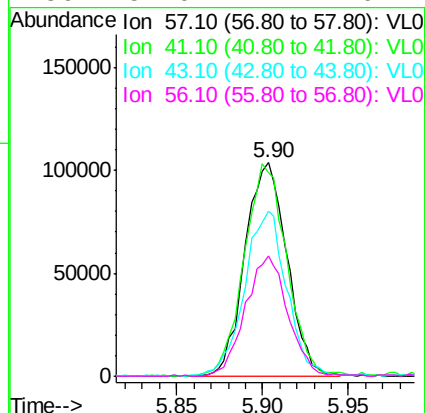
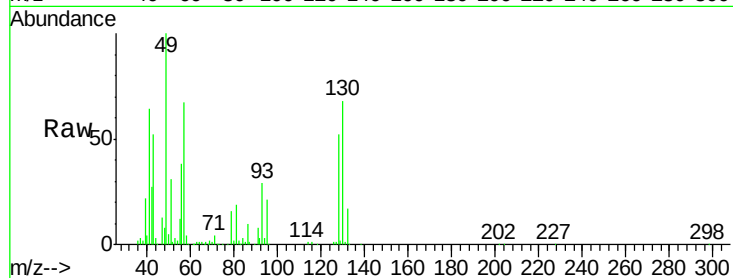




#26
Hexane
Concen: 1.37 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

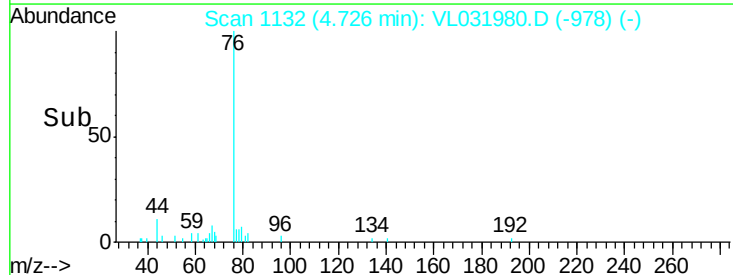
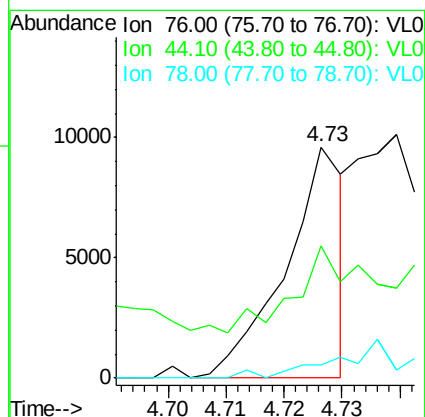
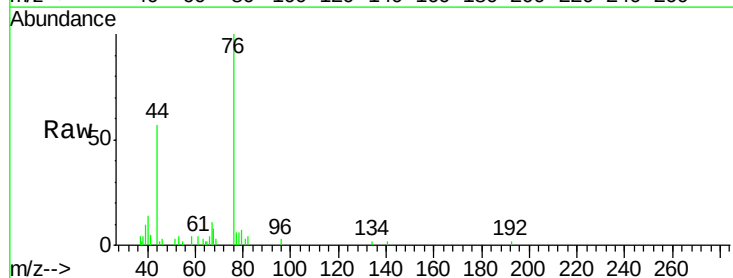
Instrument :
MSVOA_L
ClientSampleId :
SG1

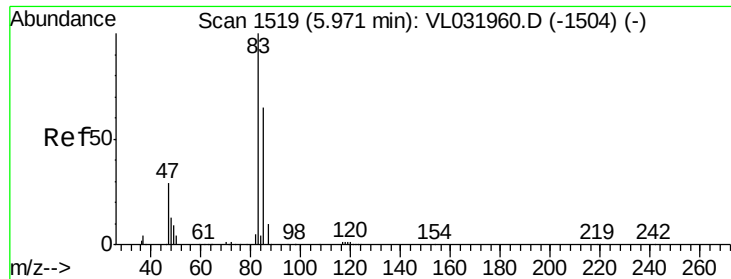
Tgt Ion: 57 Resp: 176010
Ion Ratio Lower Upper
57 100
41 100.3 71.8 107.6
43 79.1 171.5 257.3#
56 57.0 41.4 62.2



#27
Carbon Disulfide
Concen: 0.05 ppbv
RT: 4.73 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

Tgt Ion: 76 Resp: 6720
Ion Ratio Lower Upper
76 100
44 126.6 15.4 23.0#
78 0.0 7.4 11.0#





#29

Chloroform

Concen: 0.10 ppbv

RT: 5.97 min Scan# 1520

Delta R.T. 0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

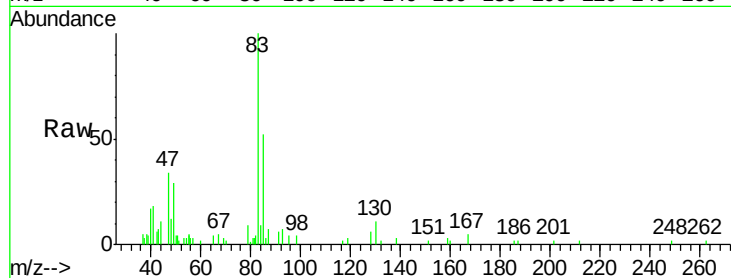
SG1

Tgt Ion: 83 Resp: 20004

Ion Ratio Lower Upper

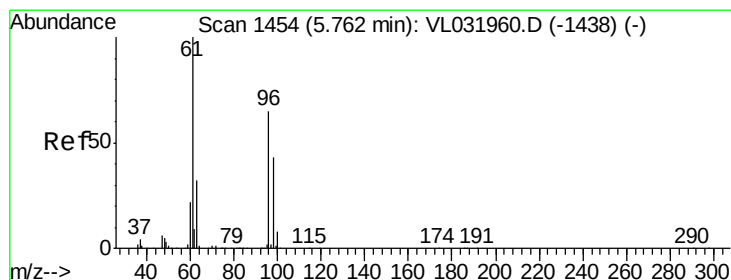
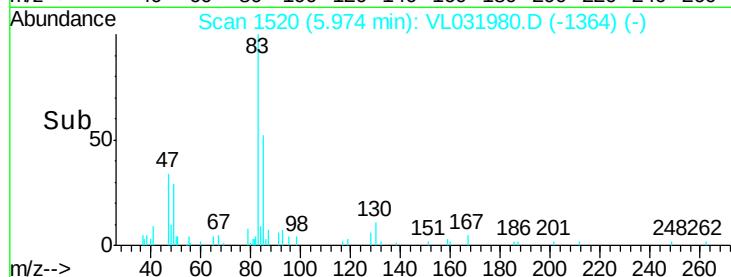
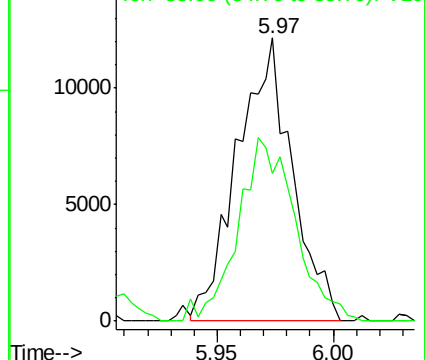
83 100

85 46.0 52.2 78.2#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.01 ppbv

RT: 5.76 min Scan# 1453

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

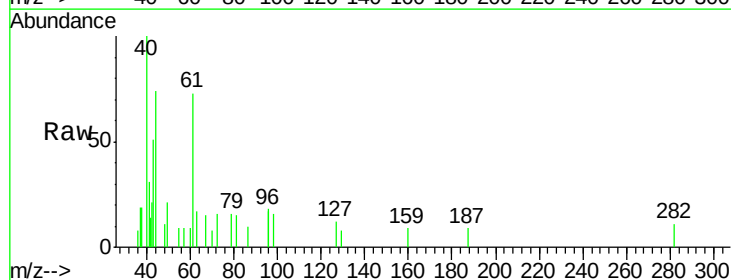
Tgt Ion: 61 Resp: 1367

Ion Ratio Lower Upper

61 100

96 29.8 51.8 77.6#

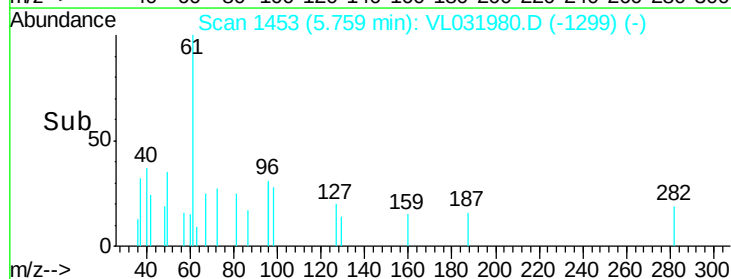
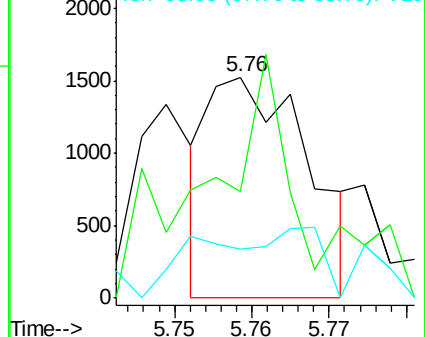
98 43.7 34.2 51.4

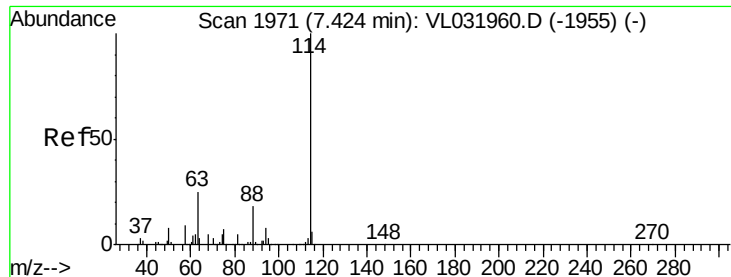


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

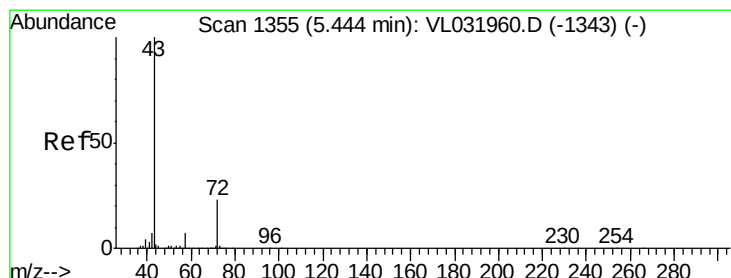
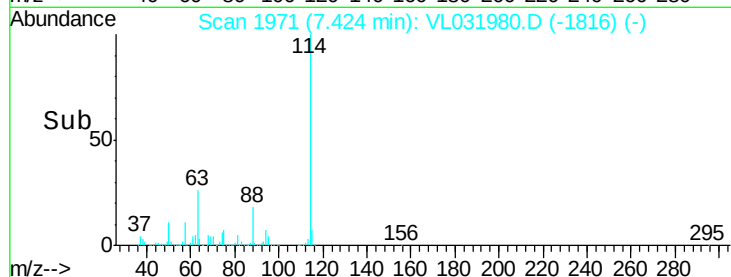
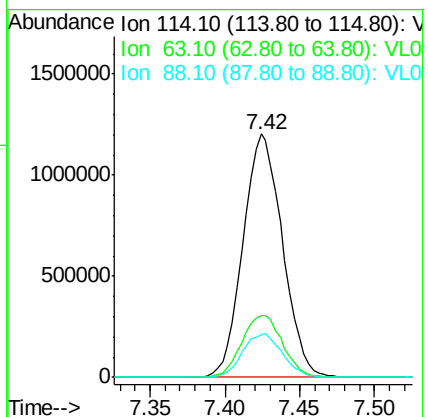
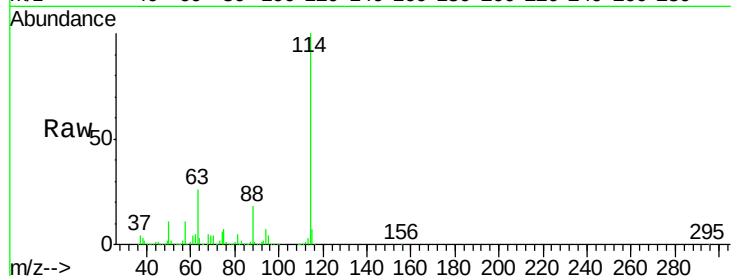




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.42 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

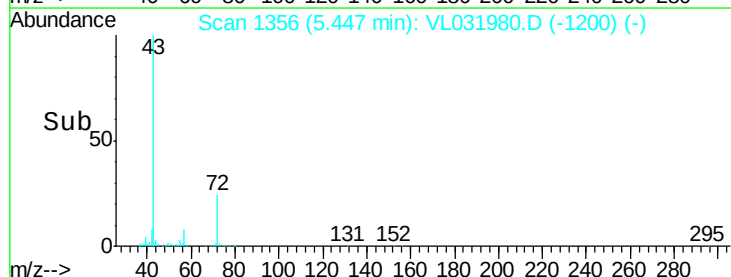
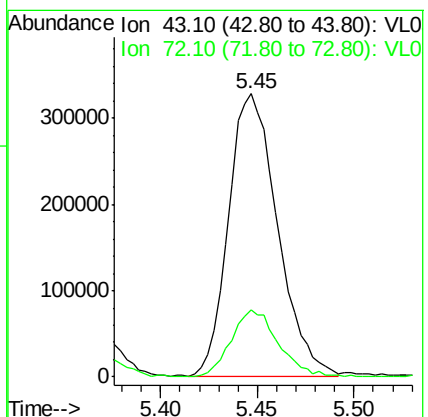
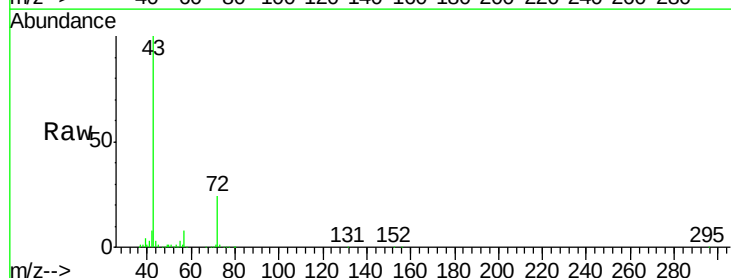
Instrument :
 MSVOA_L
 ClientSampleId :
 SG1

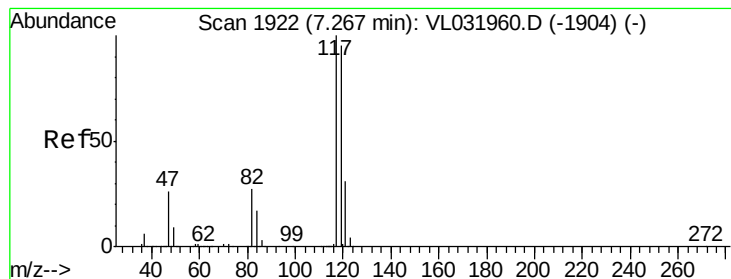
Tgt Ion:114 Resp: 2209807
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.8 31.2
 88 18.2 14.6 21.8



#34
 2-Butanone
 Concen: 3.16 ppbv
 RT: 5.45 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

Tgt Ion: 43 Resp: 575267
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.3 27.5





#35

Carbon Tetrachloride

Concen: 0.05 ppbv

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

SG1

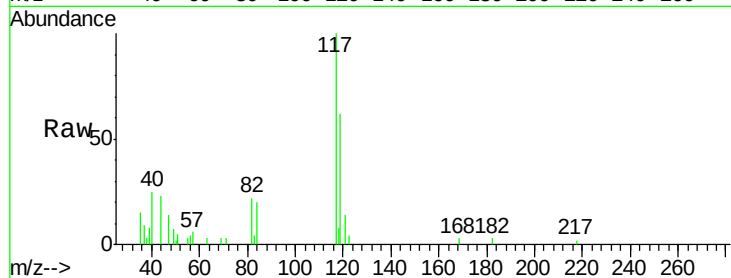
Tgt Ion:117 Resp: 8880

Ion Ratio Lower Upper

117 100

119 56.9 76.4 114.6#

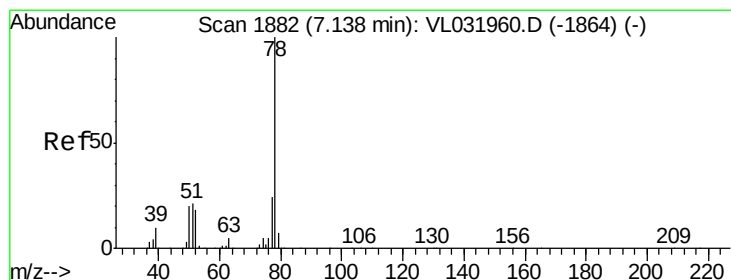
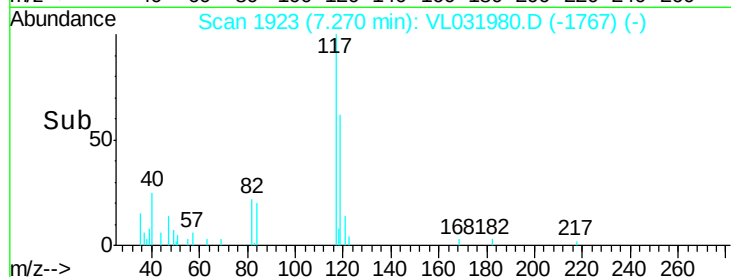
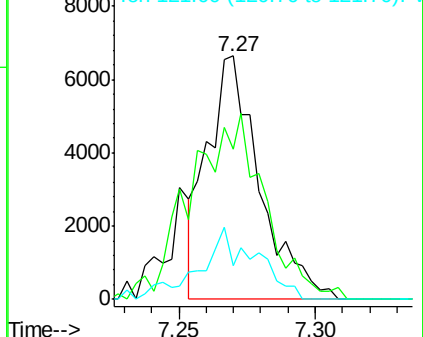
121 13.7 24.4 36.6#



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: 0.45 ppbv

RT: 7.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

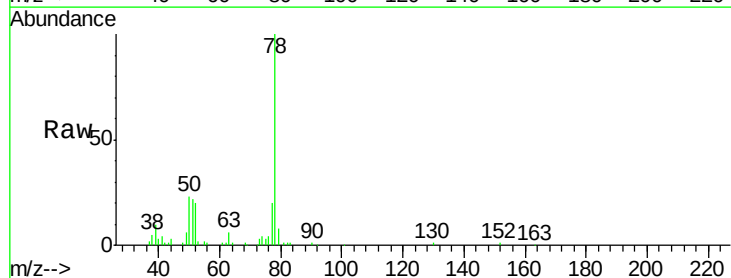
Tgt Ion: 78 Resp: 92695

Ion Ratio Lower Upper

78 100

77 20.2 19.2 28.8

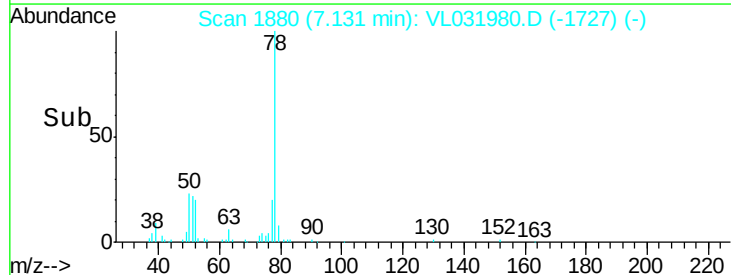
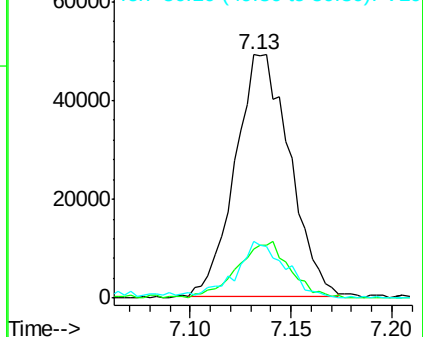
50 23.4 16.2 24.4

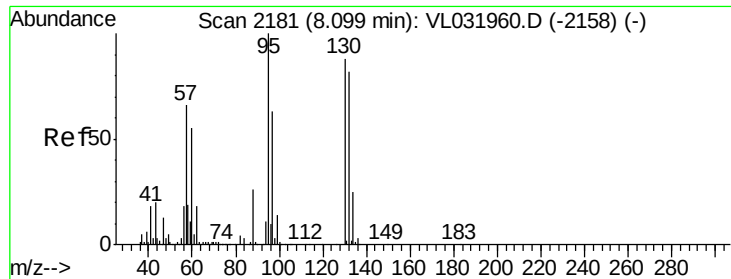


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.02 ppbv

RT: 8.10 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

SG1

Tgt Ion:130 Resp: 1411

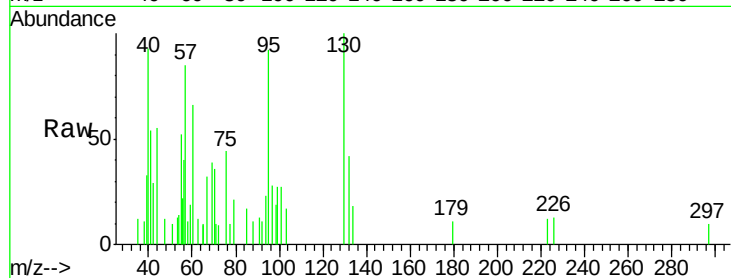
Ion Ratio Lower Upper

130 100

95 61.7 90.7 136.1#

132 22.1 74.3 111.5#

97 27.5 57.3 85.9#

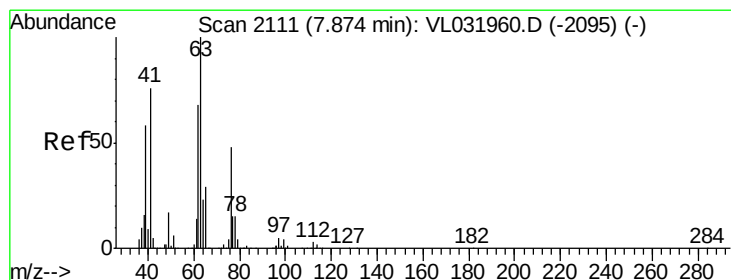
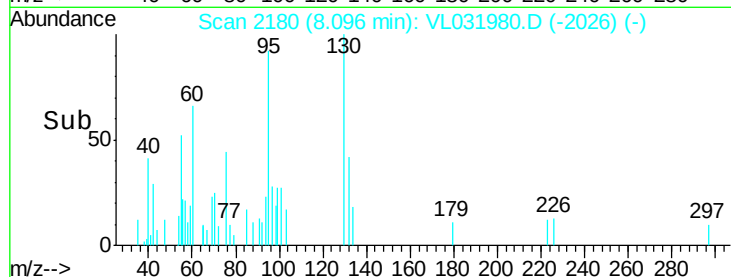
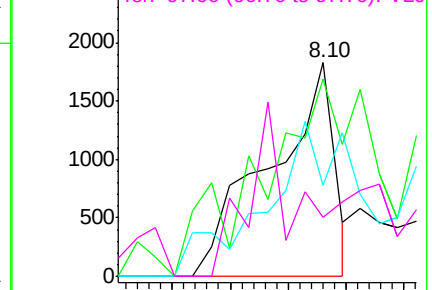


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.97 ppbv

RT: 7.43 min Scan# 1972

Delta R.T. -0.45 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

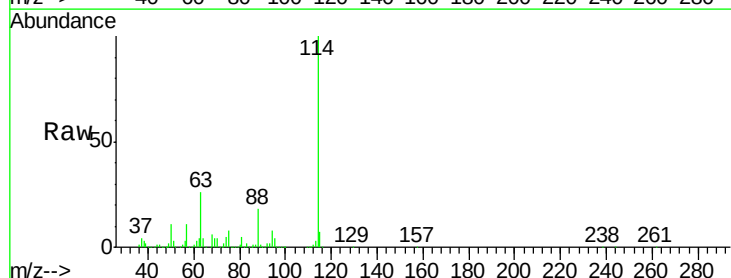
Tgt Ion: 63 Resp: 577533

Ion Ratio Lower Upper

63 100

41 0.0 60.7 91.1#

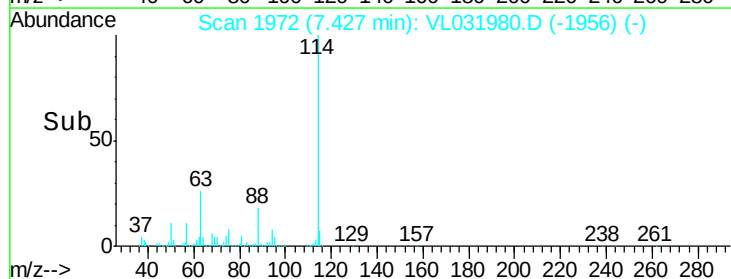
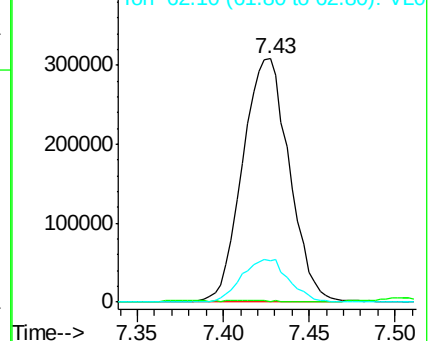
62 17.0 54.7 82.1#

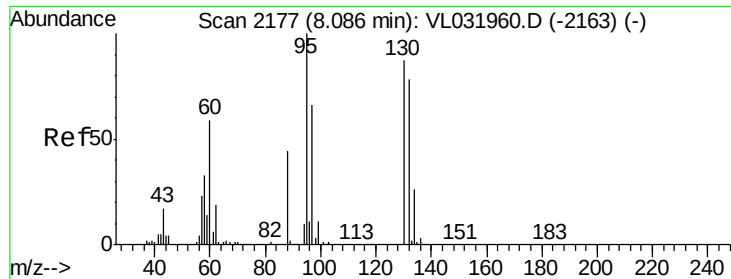


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

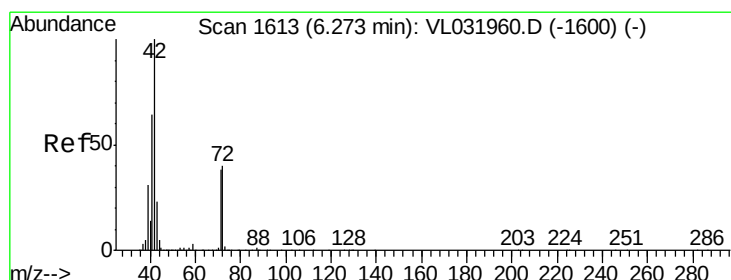
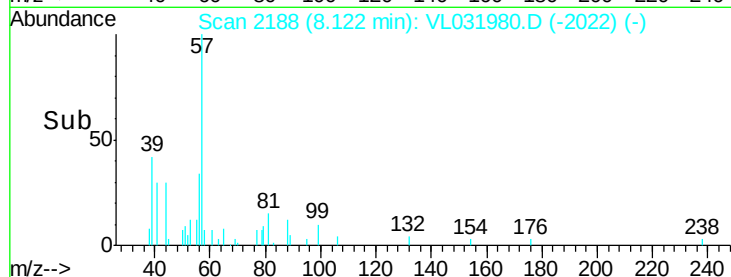
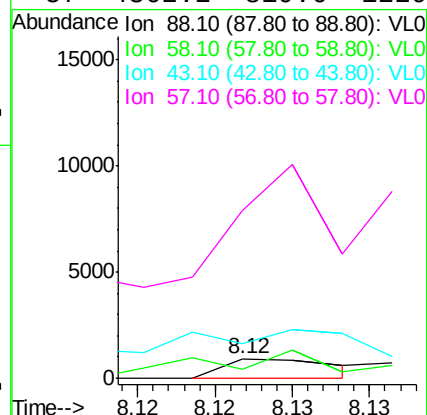
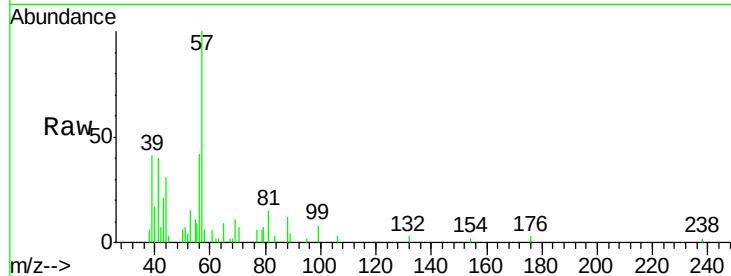




#40
 1,4-Dioxane
 Concen: 0.01 ppbv
 RT: 8.12 min Scan# 2188
 Delta R.T. 0.04 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

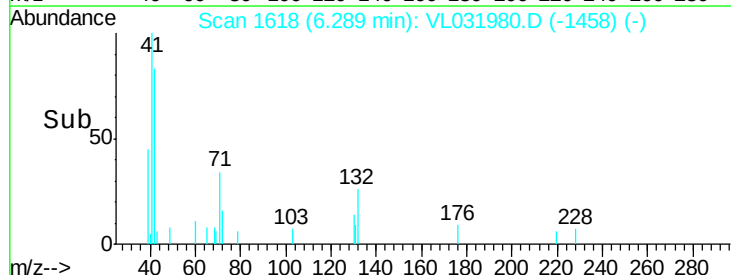
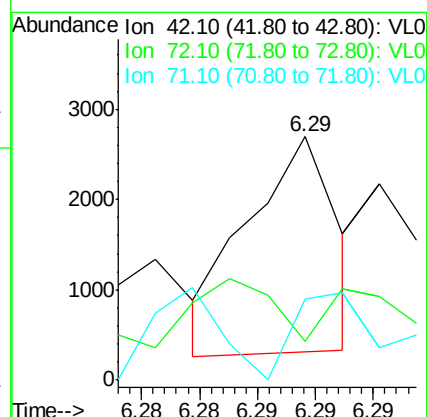
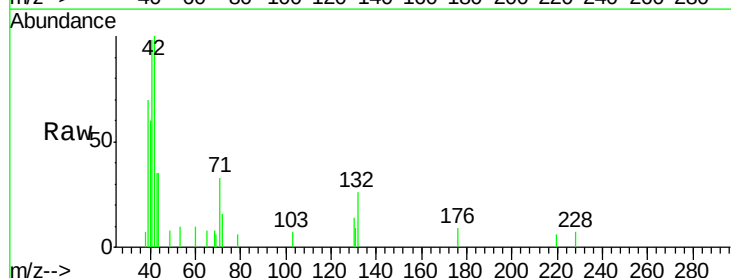
Instrument :
 MSVOA_L
 ClientSampleId :
 SG1

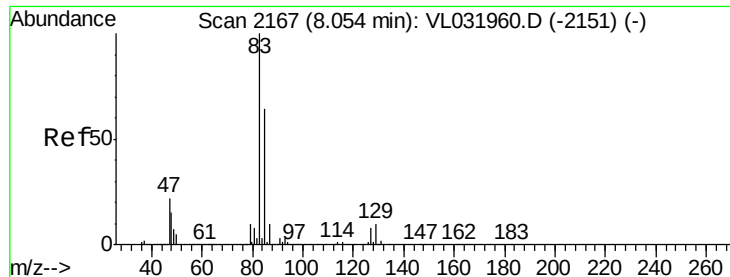
Tgt Ion: 88 Resp: 463
 Ion Ratio Lower Upper
 88 100
 58 455.3 94.9 142.3#
 43 0.0 188.2 282.2#
 57 4362.2 819.6 1229.4#



#41
 Tetrahydrofuran
 Concen: 0.02 ppbv
 RT: 6.29 min Scan# 1618
 Delta R.T. 0.02 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

Tgt Ion: 42 Resp: 1288
 Ion Ratio Lower Upper
 42 100
 72 123.8 32.3 48.5#
 71 97.9 31.4 47.2#





#42

Bromodichloromethane

Concen: 0.01 ppbv

RT: 8.06 min Scan# 2169

Delta R.T. 0.01 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

SG1

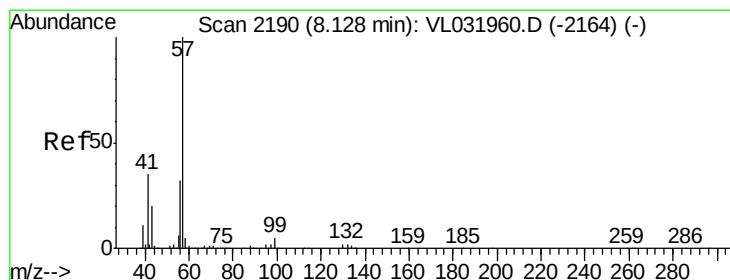
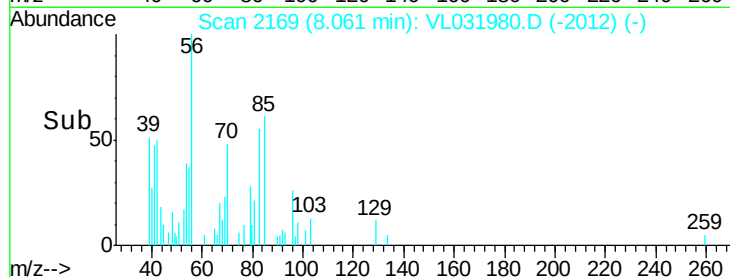
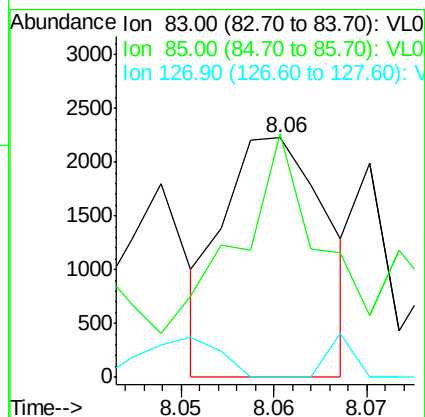
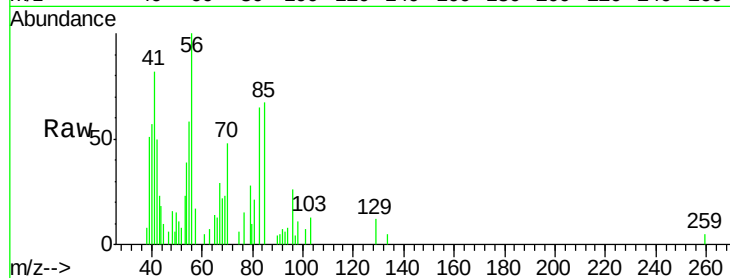
Tgt Ion: 83 Resp: 1715

Ion Ratio Lower Upper

83 100

85 122.9 51.0 76.6#

127 0.0 6.7 10.1#



#44

2,2,4-Trimethylpentane

Concen: 0.03 ppbv

RT: 8.13 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

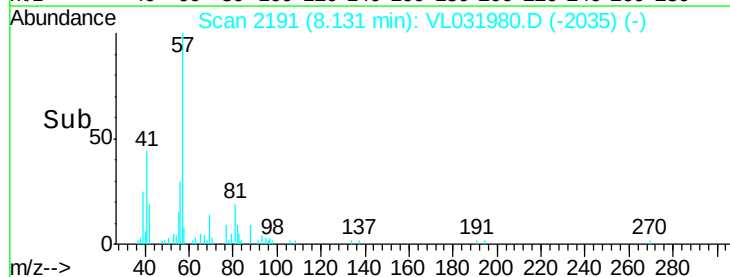
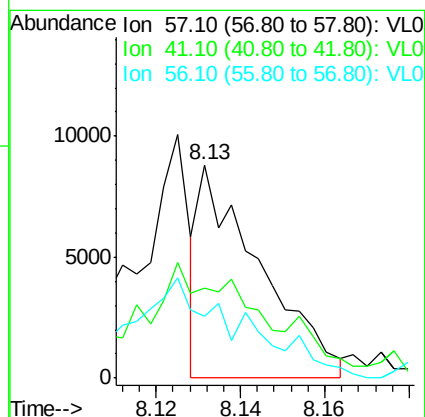
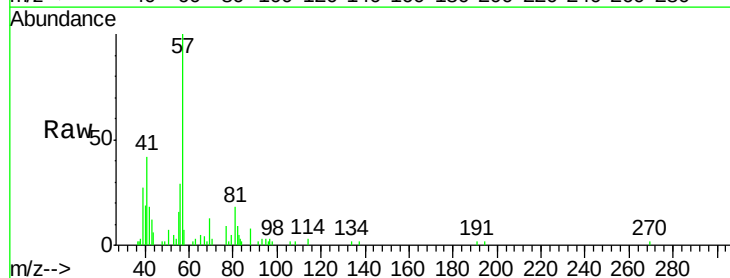
Tgt Ion: 57 Resp: 8835

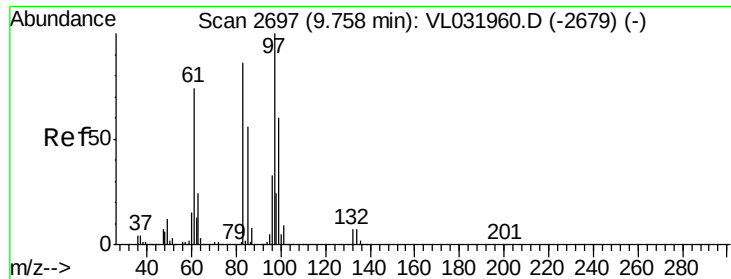
Ion Ratio Lower Upper

57 100

41 0.0 26.6 39.8#

56 0.0 24.4 36.6#

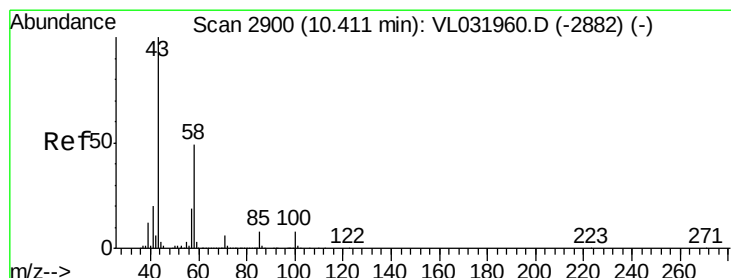
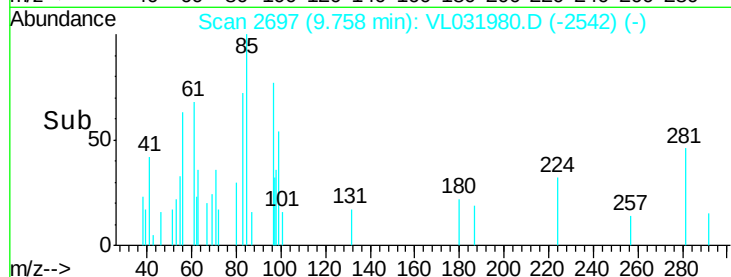
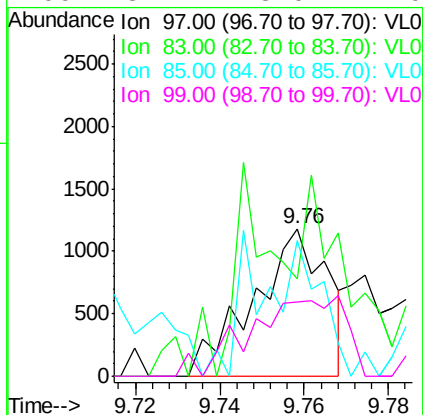
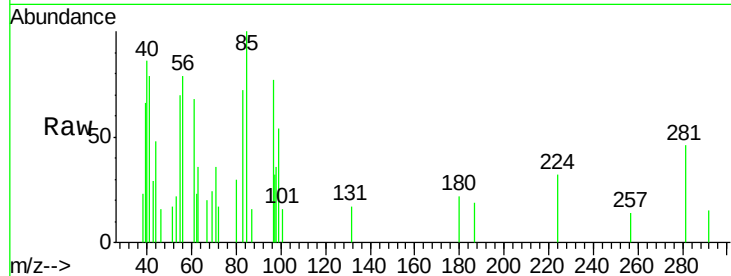




#47
 1,1,2-Trichloroethane
 Concen: 0.02 ppbv
 RT: 9.76 min Scan# 2697
 Delta R.T. -0.00 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

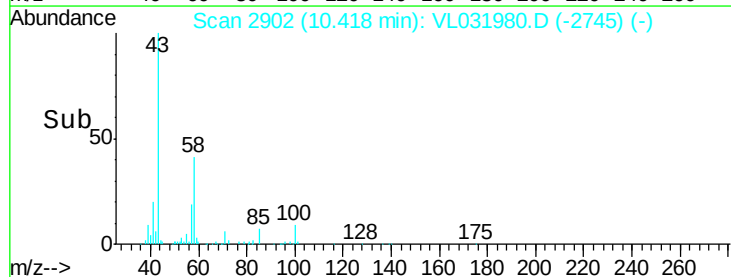
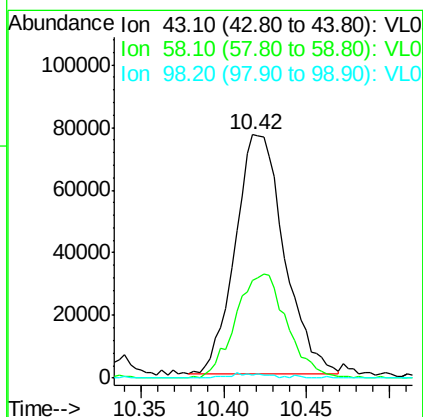
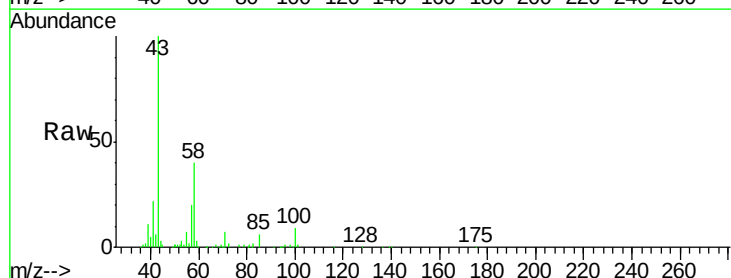
Instrument :
 MSVOA_L
 ClientSampleId :
 SG1

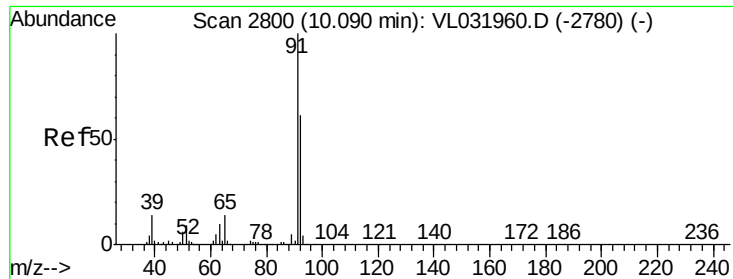
Tgt Ion: 97 Resp: 1427
 Ion Ratio Lower Upper
 97 100
 83 66.2 69.0 103.4#
 85 69.7 45.0 67.6#
 99 34.2 48.0 72.0#



#51
 2-Hexanone
 Concen: 1.01 ppbv
 RT: 10.42 min Scan# 2902
 Delta R.T. 0.01 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

Tgt Ion: 43 Resp: 157889
 Ion Ratio Lower Upper
 43 100
 58 45.9 38.6 58.0
 98 1.9 0.2 0.2#





#53

Toluene

Concen: 0.59 ppbv

RT: 10.09 min Scan# 2800

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

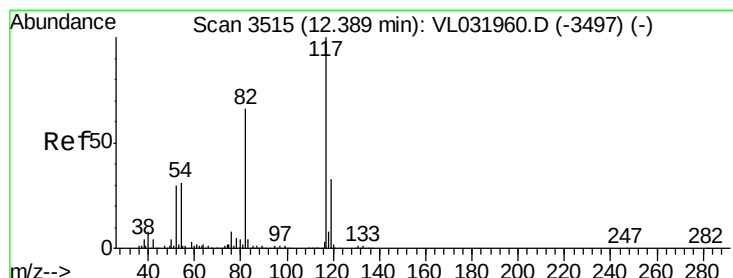
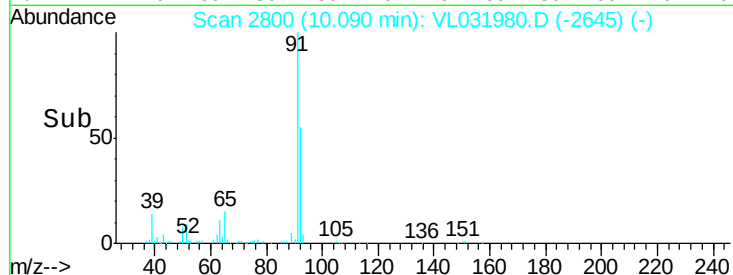
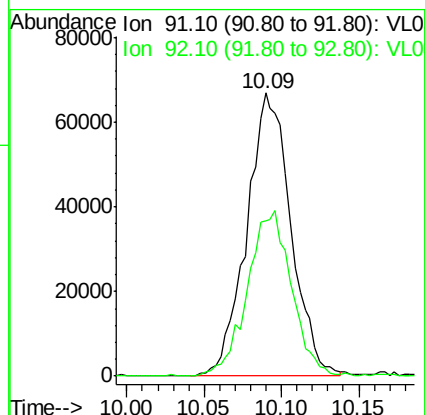
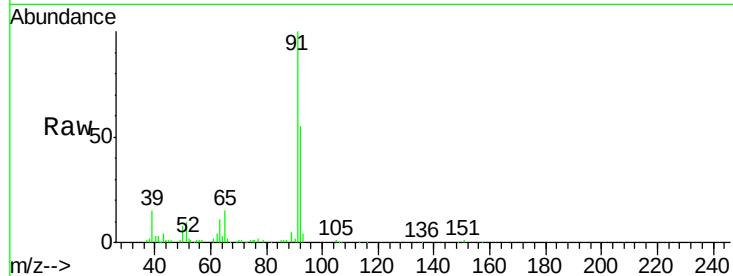
SG1

Tgt Ion: 91 Resp: 133255

Ion Ratio Lower Upper

91 100

92 57.9 47.4 71.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.39 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

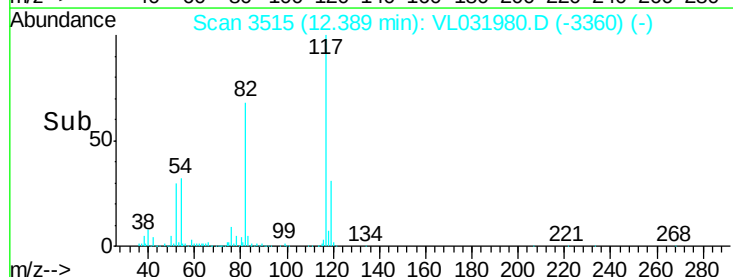
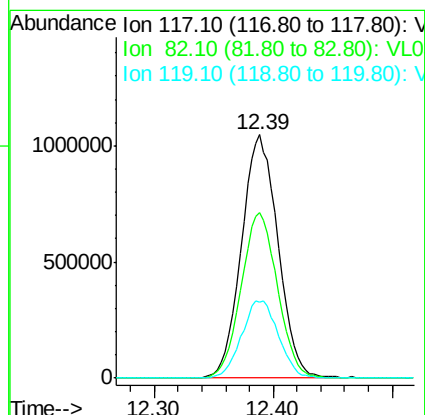
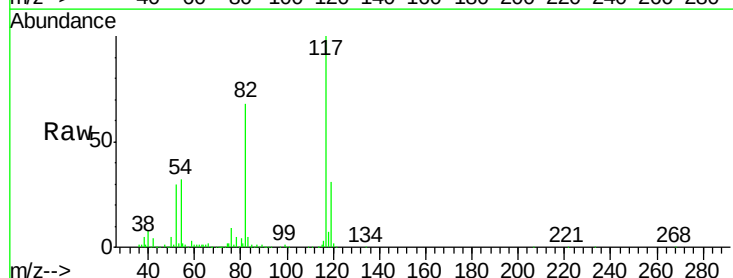
Tgt Ion: 117 Resp: 2222985

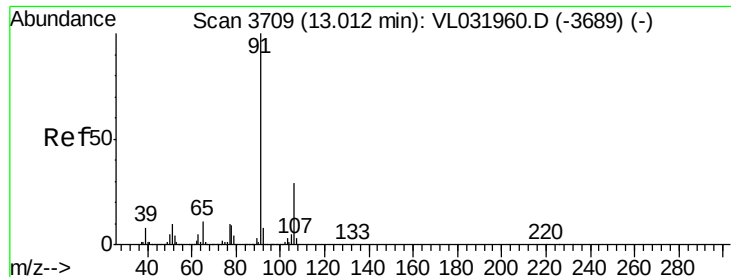
Ion Ratio Lower Upper

117 100

82 68.0 51.6 77.4

119 32.3 44.2 66.4#





#58

Ethyl Benzene

Concen: 0.07 ppbv

RT: 13.02 min Scan# 3710

Delta R.T. 0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

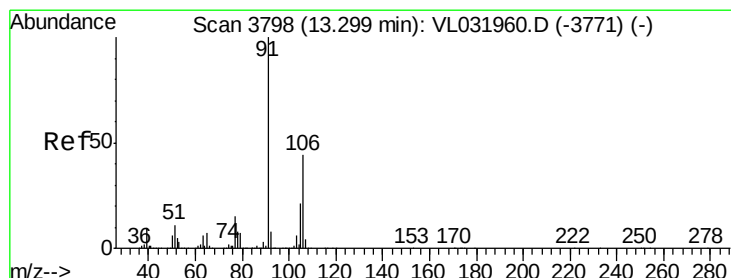
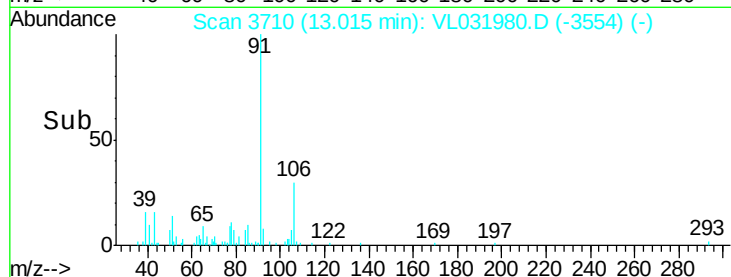
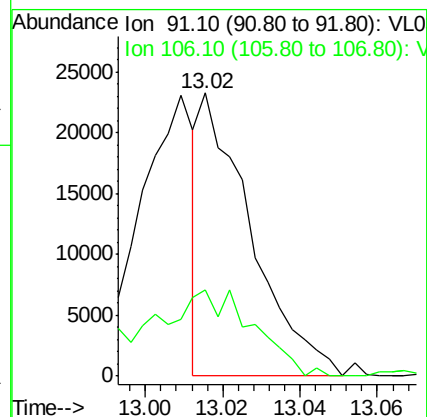
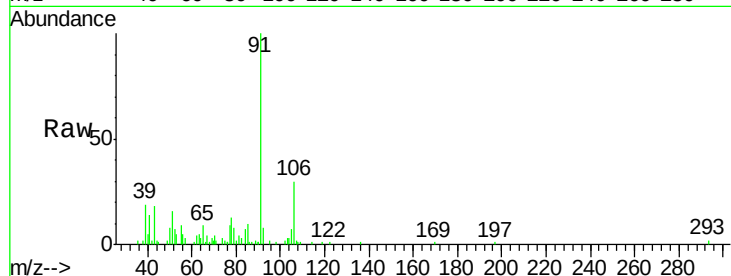
SG1

Tgt Ion: 91 Resp: 21128

Ion Ratio Lower Upper

91 100

106 30.3 23.4 35.2



#59

m/p-Xylene

Concen: 0.09 ppbv

RT: 13.30 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VL031980.D

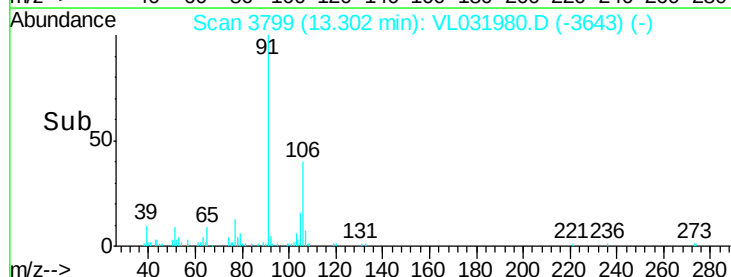
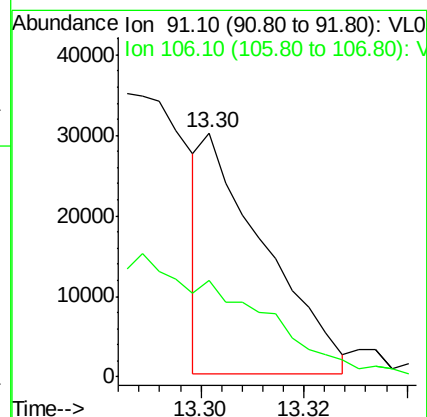
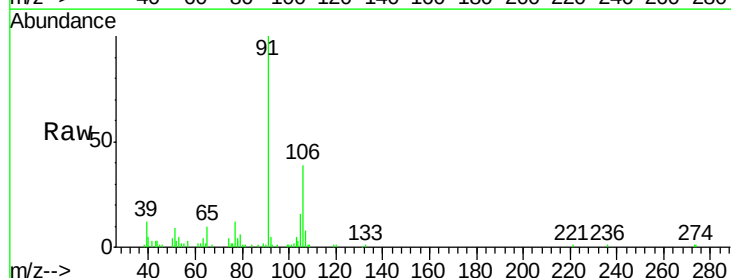
Acq: 4 May 2018 2:45

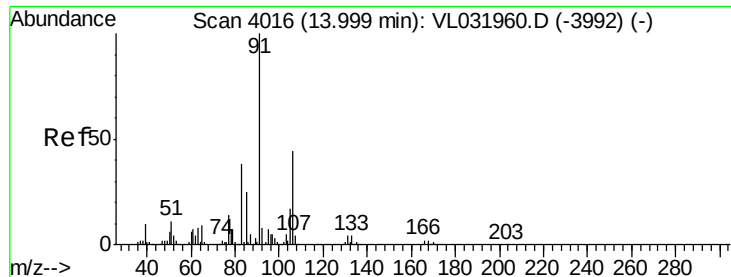
Tgt Ion: 91 Resp: 25209

Ion Ratio Lower Upper

91 100

106 0.0 35.9 53.9#

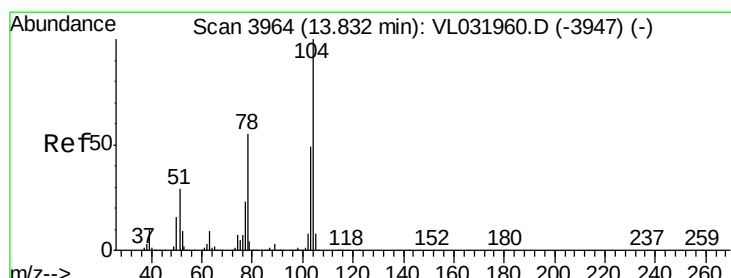
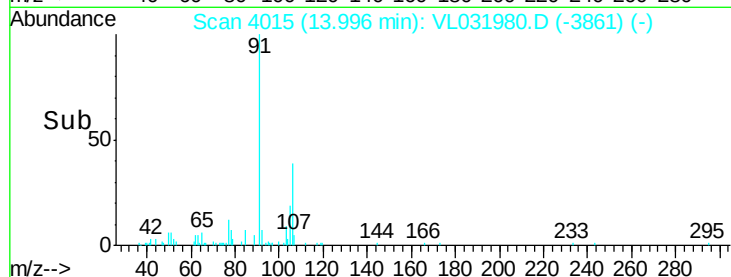
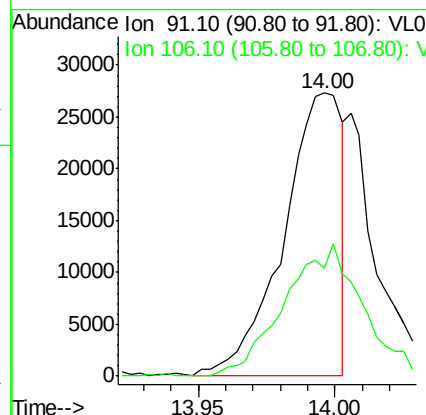
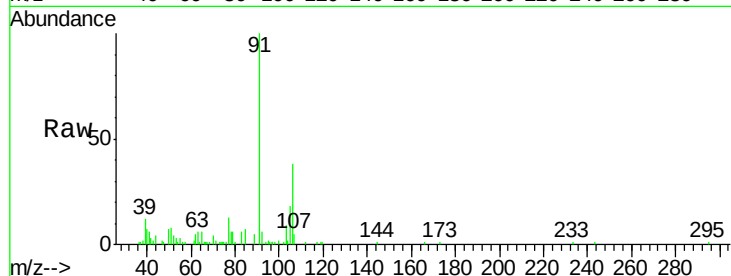




#60
o-Xylene
Concen: 0.15 ppbv
RT: 14.00 min Scan# 4015
Delta R.T. -0.00 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

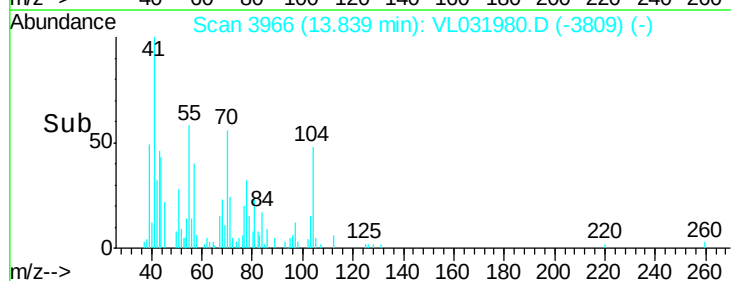
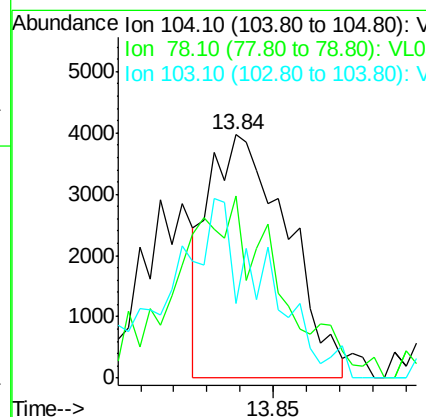
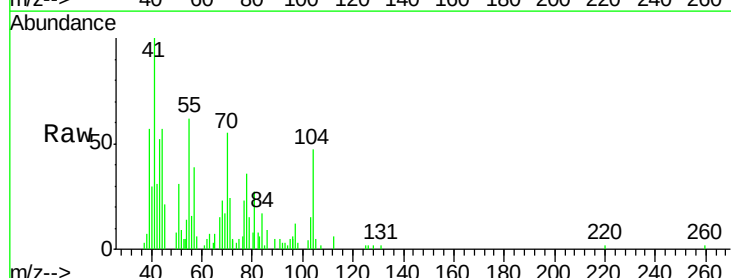
Instrument :
MSVOA_L
ClientSampleId :
SG1

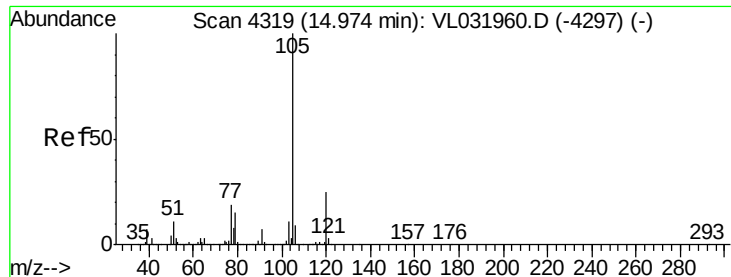
Tgt Ion: 91 Resp: 40802
Ion Ratio Lower Upper
91 100
106 62.6 21.5 64.5



#61
Styrene
Concen: 0.12 ppbv
RT: 13.84 min Scan# 3966
Delta R.T. 0.01 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

Tgt Ion: 104 Resp: 6546
Ion Ratio Lower Upper
104 100
78 104.6 43.8 65.8#
103 88.2 38.4 57.6#





#62

Isopropylbenzene

Concen: 0.03 ppbv

RT: 14.97 min Scan# 4319

Delta R.T. -0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

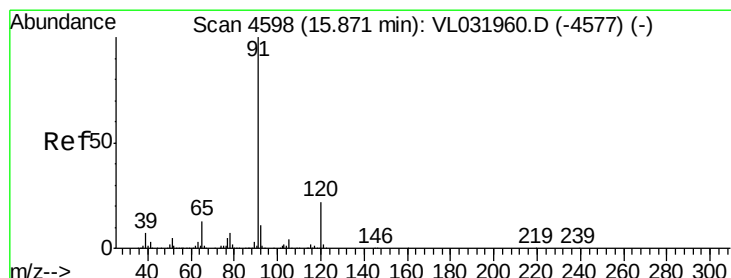
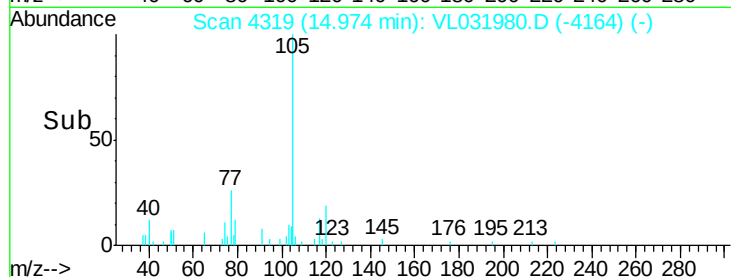
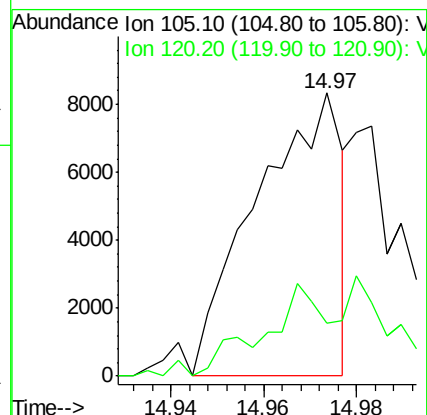
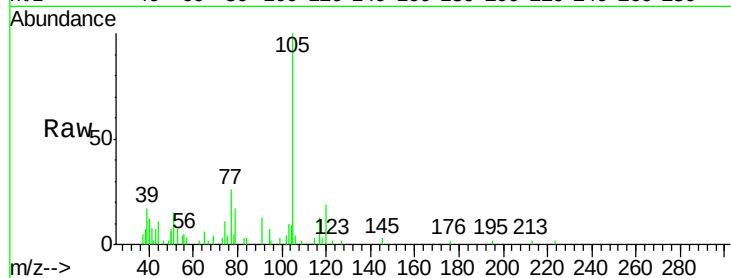
SG1

Tgt Ion:105 Resp: 10707

Ion Ratio Lower Upper

105 100

120 0.0 19.9 29.9#



#64

n-propylbenzene

Concen: 0.02 ppbv

RT: 15.86 min Scan# 4596

Delta R.T. -0.01 min

Lab File: VL031980.D

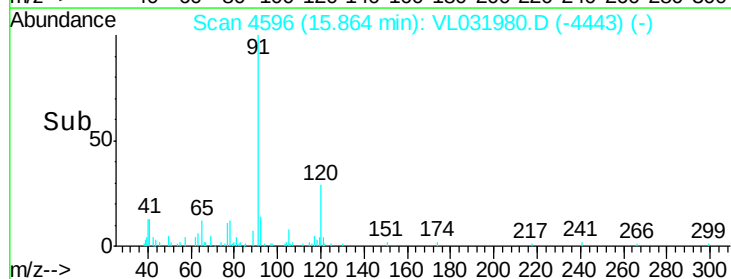
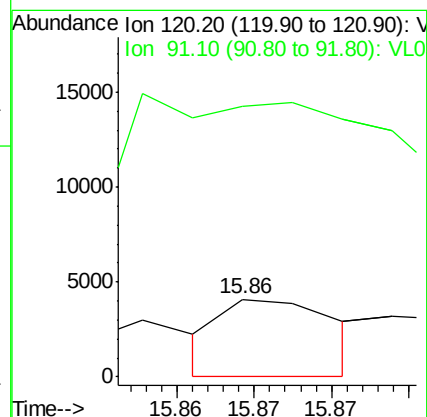
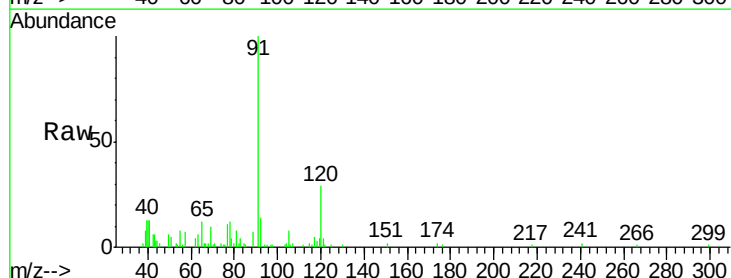
Acq: 4 May 2018 2:45

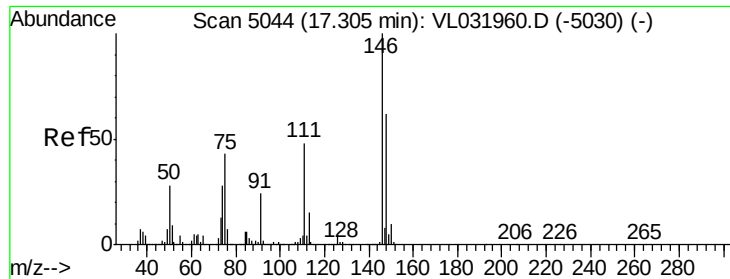
Tgt Ion:120 Resp: 2102

Ion Ratio Lower Upper

120 100

91 0.0 388.6 583.0#

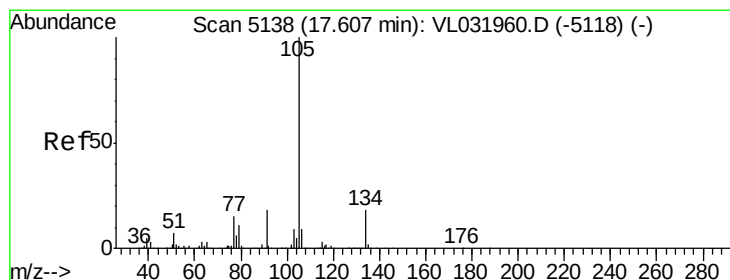
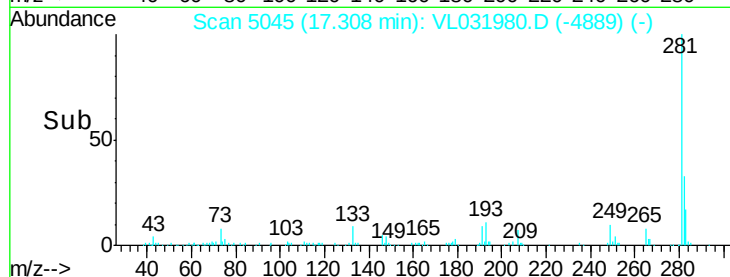
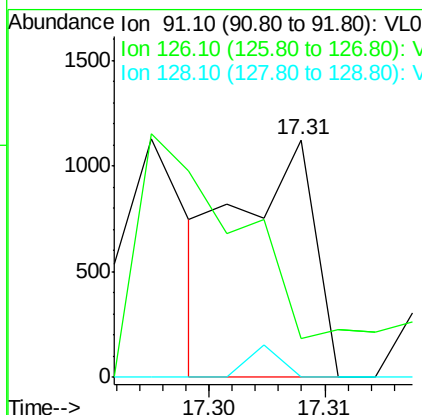
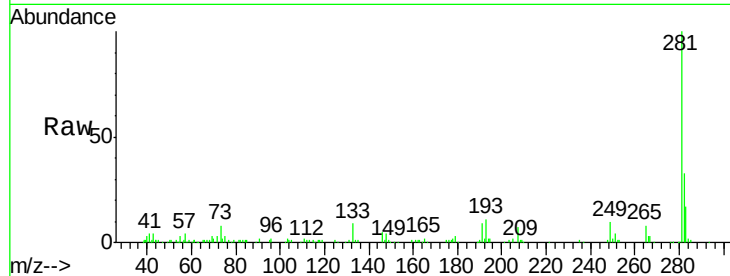




#66
Benzyl Chloride
Concen: 0.02 ppbv
RT: 17.31 min Scan# 5045
Delta R.T. 0.00 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

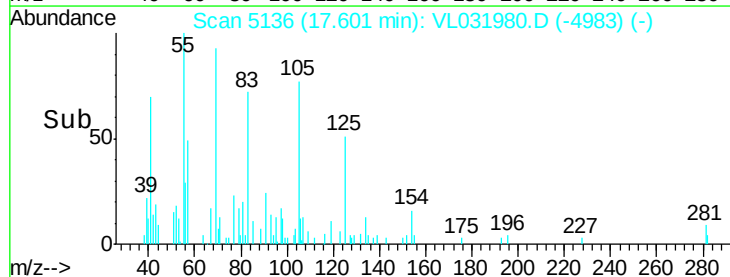
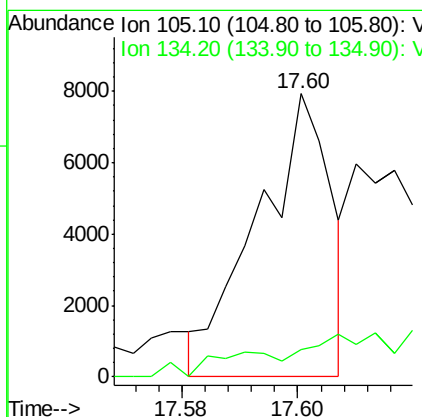
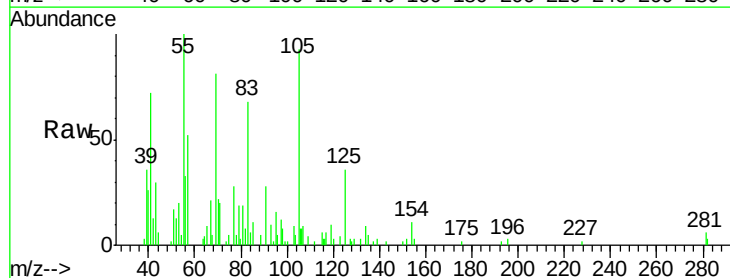
Instrument :
MSVOA_L
ClientSampleId :
SG1

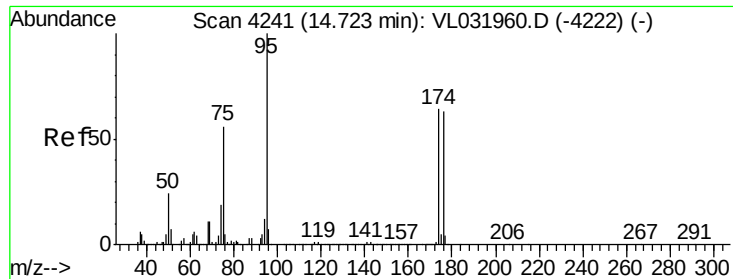
Tgt Ion: 91 Resp: 521
Ion Ratio Lower Upper
91 100
126 0.0 13.4 20.0#
128 5.6 4.6 6.8



#67
sec-Butylbenzene
Concen: 0.02 ppbv
RT: 17.60 min Scan# 5136
Delta R.T. -0.01 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

Tgt Ion: 105 Resp: 6981
Ion Ratio Lower Upper
105 100
134 0.0 14.2 21.4#

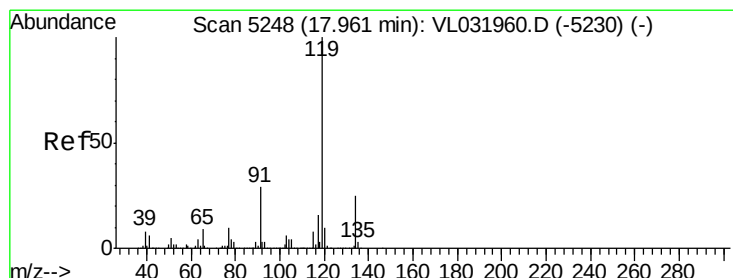
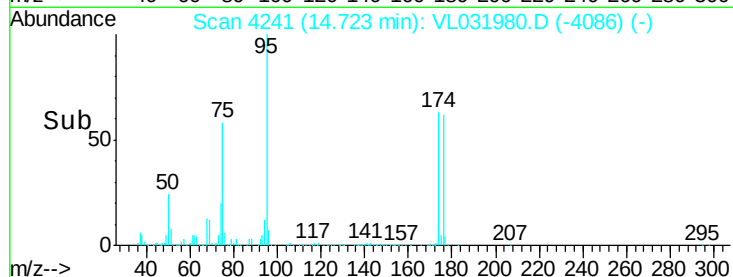
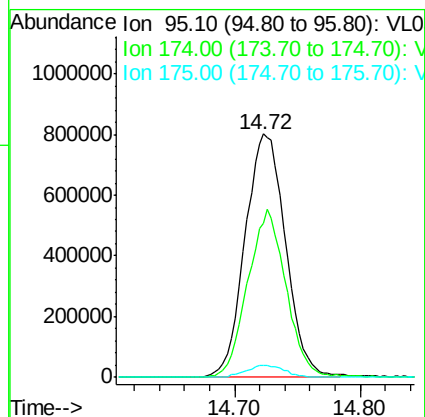
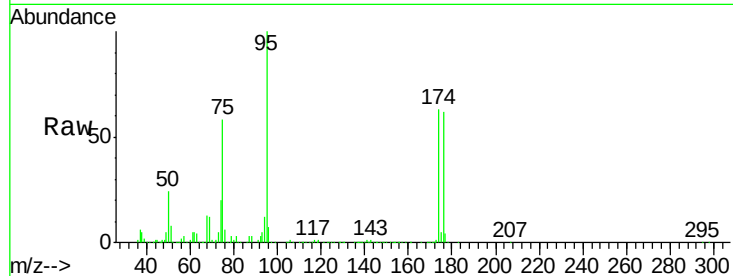




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.46 ppbv
 RT: 14.72 min Scan# 4241
 Delta R.T. -0.00 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

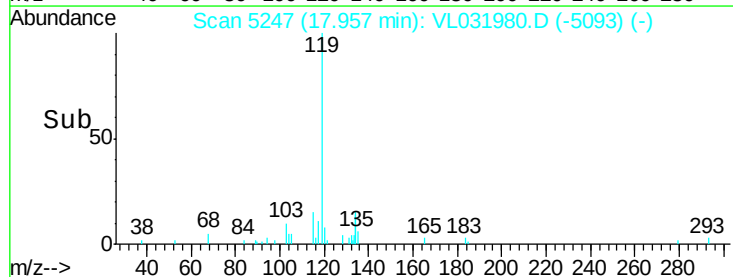
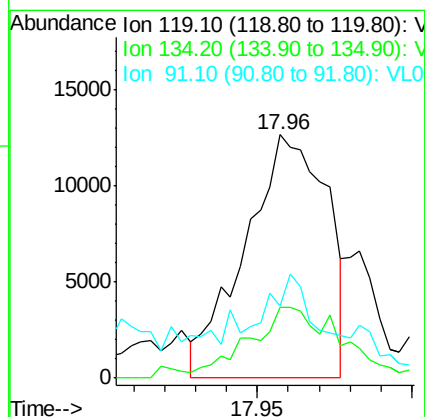
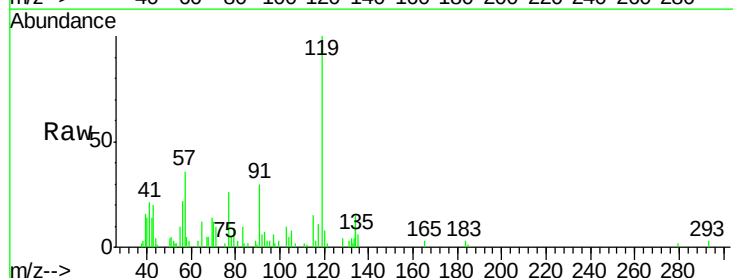
Instrument :
 MSVOA_L
 ClientSampleId :
 SG1

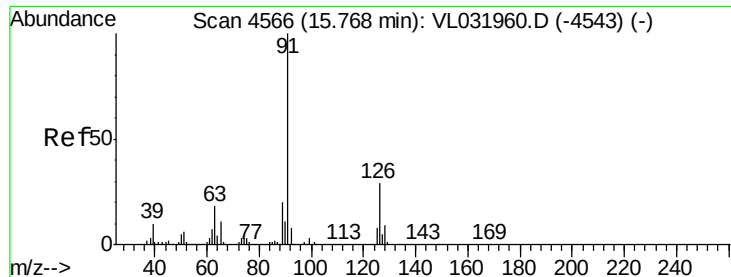
Tgt Ion: 95 Resp: 1802232
 Ion Ratio Lower Upper
 95 100
 174 65.5 53.0 79.6
 175 4.8 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 0.07 ppbv
 RT: 17.96 min Scan# 5247
 Delta R.T. -0.00 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

Tgt Ion: 119 Resp: 23246
 Ion Ratio Lower Upper
 119 100
 134 33.9 19.8 29.8#
 91 70.6 23.8 35.6#

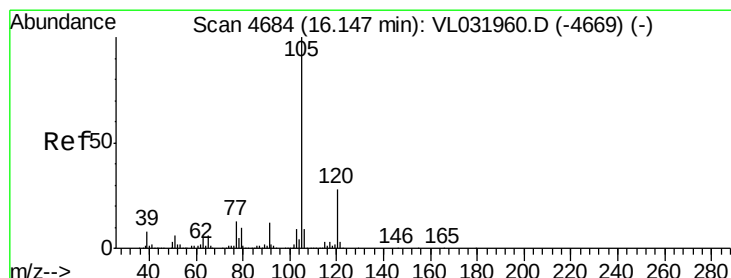
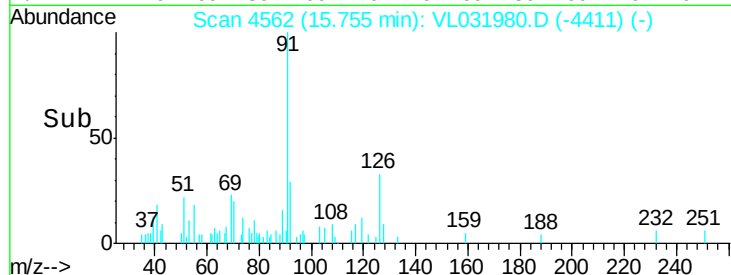
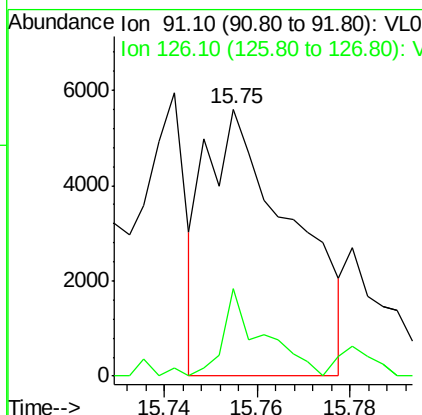
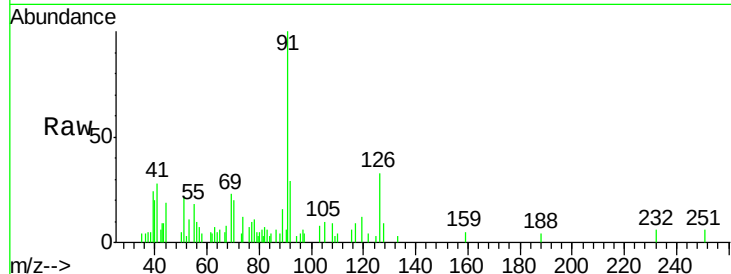




#71
 2-Chlorotoluene
 Concen: 0.03 ppbv
 RT: 15.75 min Scan# 4562
 Delta R.T. -0.01 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

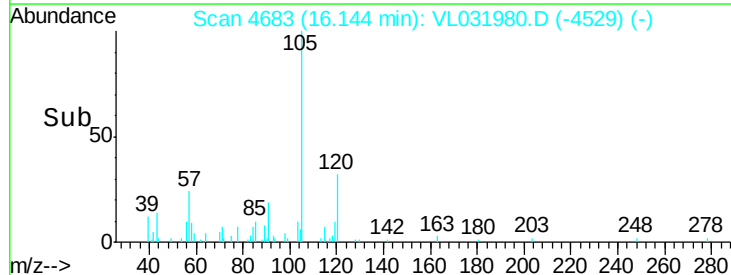
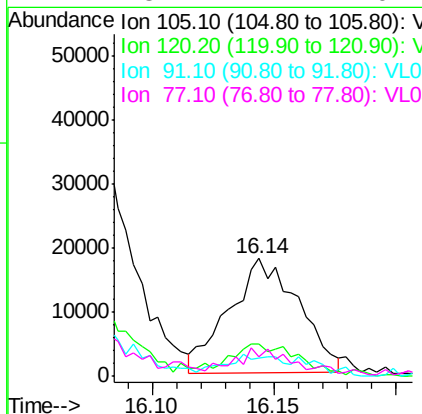
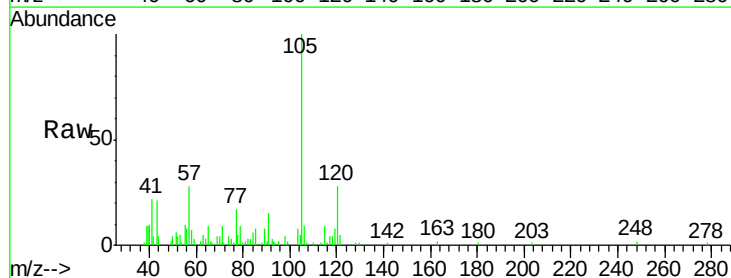
Instrument :
 MSVOA_L
 ClientSampleId :
 SG1

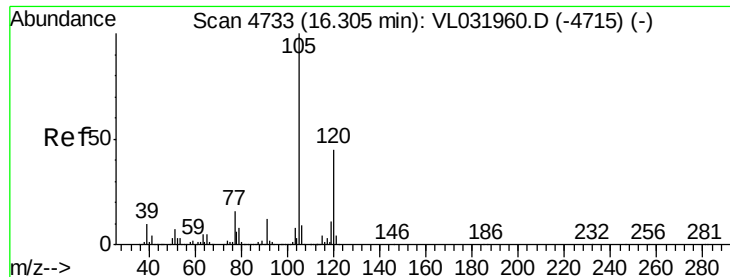
Tgt Ion: 91 Resp: 7227
 Ion Ratio Lower Upper
 91 100
 126 21.0 11.8 47.2



#72
 4-Ethyltoluene
 Concen: 0.13 ppbv
 RT: 16.14 min Scan# 4683
 Delta R.T. -0.00 min
 Lab File: VL031980.D
 Acq: 4 May 2018 2:45

Tgt Ion: 105 Resp: 35255
 Ion Ratio Lower Upper
 105 100
 120 32.3 22.6 33.8
 91 21.3 10.5 15.7#
 77 18.1 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.11 ppbv

RT: 16.31 min Scan# 4734

Delta R.T. 0.00 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

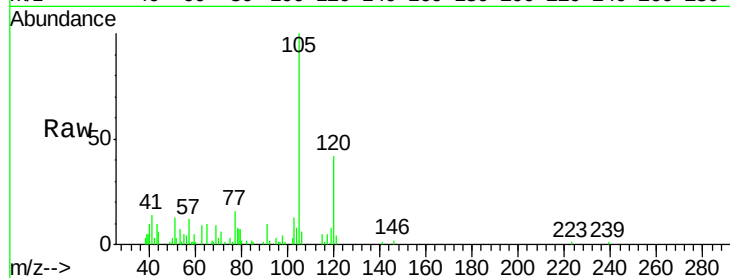
SG1

Tgt Ion:105 Resp: 27938

Ion Ratio Lower Upper

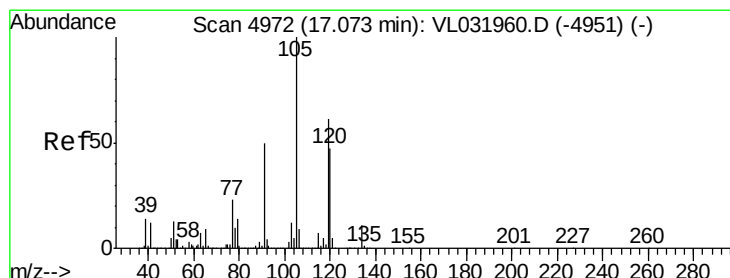
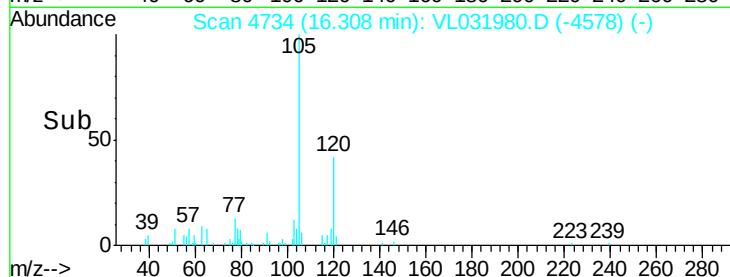
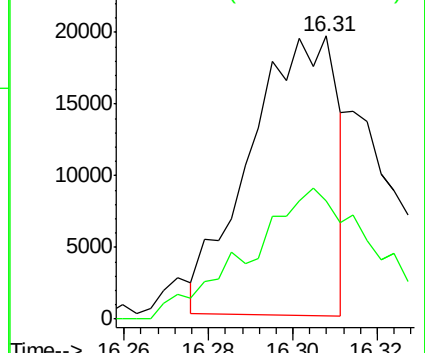
105 100

120 37.7 36.0 54.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.45 ppbv

RT: 17.07 min Scan# 4970

Delta R.T. -0.01 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Tgt Ion:105 Resp: 126547

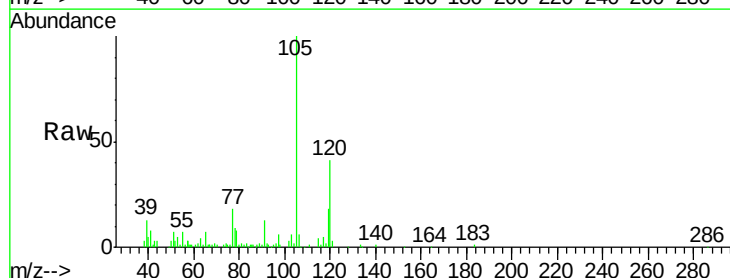
Ion Ratio Lower Upper

105 100

120 40.5 37.8 56.6

91 12.0 40.5 60.7#

77 17.5 18.2 27.2#

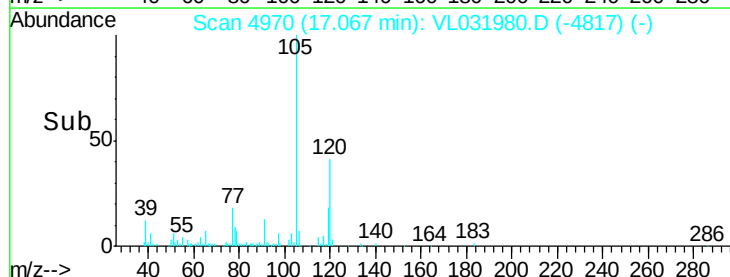
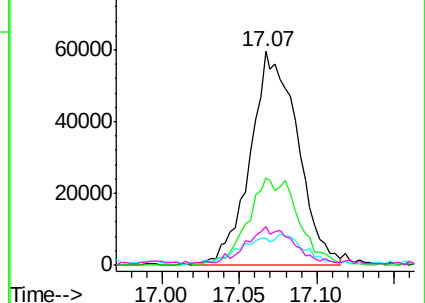


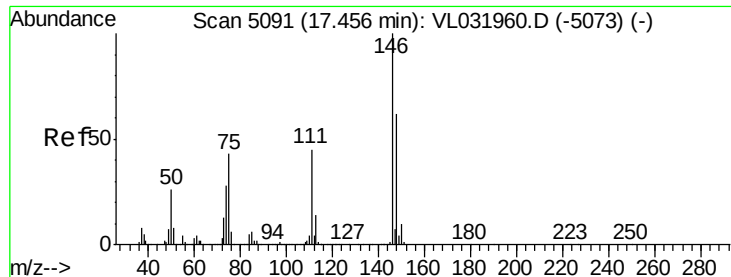
Abundance Ion 105.10 (104.80 to 105.80): V

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

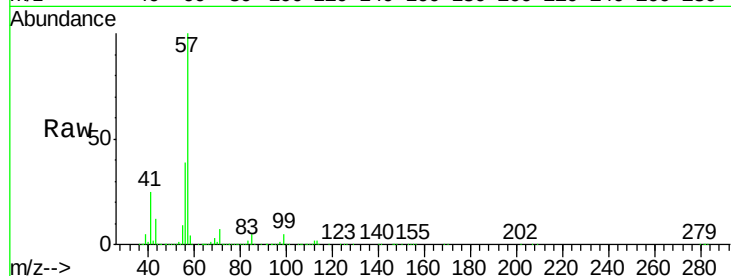




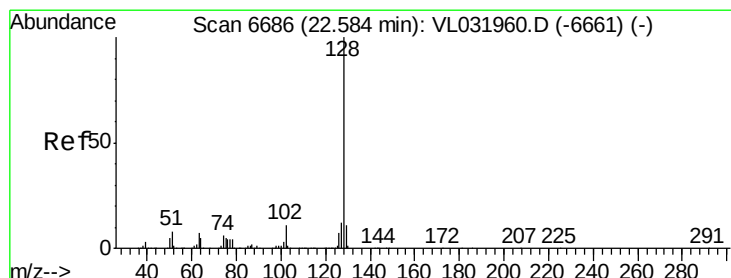
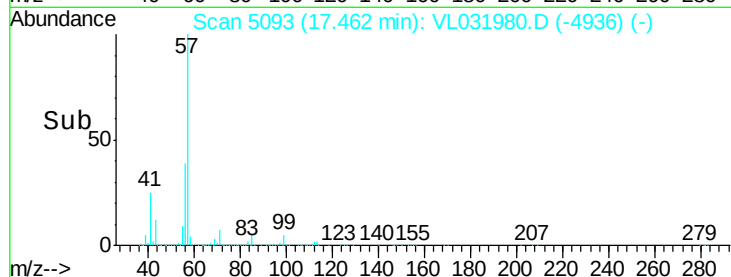
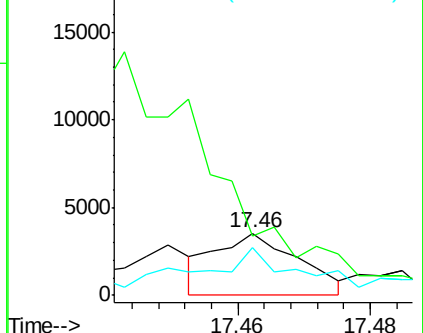
#76
1,4-Dichlorobenzene
Concen: 0.02 ppbv
RT: 17.46 min Scan# 5093
Delta R.T. 0.01 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

Instrument :
MSVOA_L
ClientSampled :
SG1

Tgt Ion:146 Resp: 3070
Ion Ratio Lower Upper
146 100
111 0.0 23.0 69.0#
148 141.3 32.4 97.2#

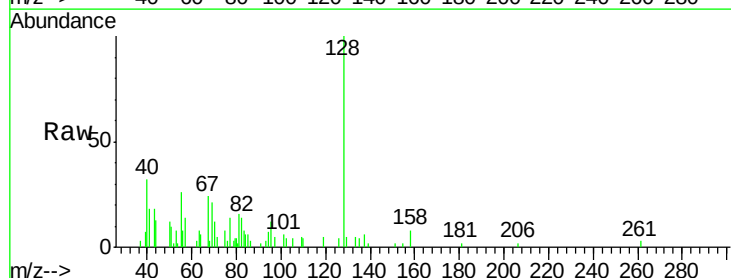


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V

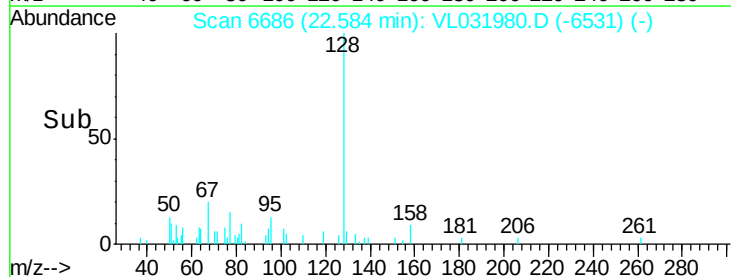
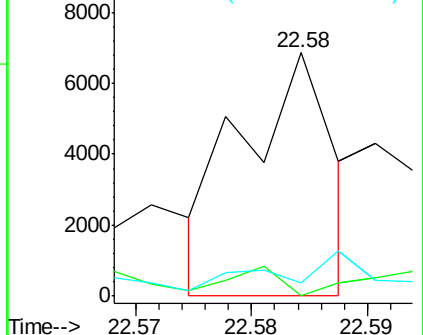


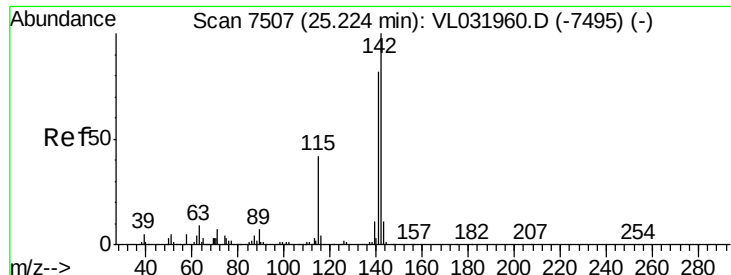
#79
Naphthalene
Concen: 0.02 ppbv
RT: 22.58 min Scan# 6686
Delta R.T. -0.00 min
Lab File: VL031980.D
Acq: 4 May 2018 2:45

Tgt Ion:128 Resp: 3762
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 3.9 9.0 13.4#



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: 0.04 ppbv

RT: 25.24 min Scan# 7511

Delta R.T. 0.01 min

Lab File: VL031980.D

Acq: 4 May 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

SG1

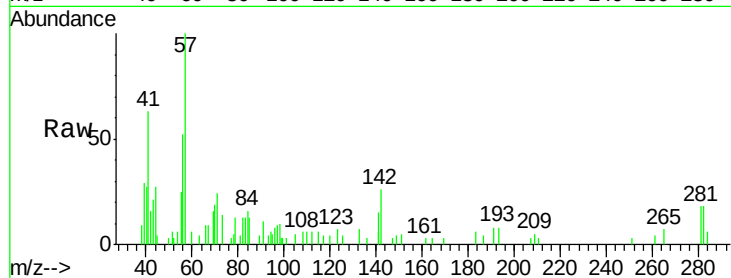
Tgt Ion:142 Resp: 1664

Ion Ratio Lower Upper

142 100

141 92.2 67.9 101.9

115 32.8 33.8 50.8#



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

