

Data File : VL031977.D

Acq On : 4 May 2018 00:43

Operator : SY/AP

Sample : J2629-01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG2

Quant Time: May 04 03:29:10 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	5.89	49	1146549	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2307421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2324531	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	1904533	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.16	85	17020	0.11	ppbv	100
3) Chlorodifluoromethane	3.07	51	56925	0.53	ppbv #	76
4) Chloromethane	3.25	50	19821	0.35	ppbv	97
7) Chloroethane	3.70	64	470	0.02	ppbv #	38
9) Propene	3.12	41	126876	3.21	ppbv	96
10) Heptane	8.38	43	17692	0.13	ppbv #	70
11) Trichlorofluoromethane	4.11	101	37655	0.21	ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.66	101	4373	0.03	ppbv #	12
13) Ethanol	3.75	45	152468	10.33	ppbv #	100
15) Acetone	4.00	43	525693	3.24	ppbv #	71
16) 1,3-Butadiene	3.43	39	119991	2.30	ppbv #	28
17) tert-Butyl alcohol	4.48	59	9130	0.14	ppbv #	72
19) Isopropyl Alcohol	4.14	45	9044	0.10	ppbv #	95
20) Methylene Chloride	4.51	84	44092	0.81	ppbv	97
21) Allyl Chloride	4.48	41	5741	0.06	ppbv #	54
23) Vinyl Acetate	5.31	43	13794	0.07	ppbv #	48
25) Ethyl Acetate	5.90	43	94307	0.34	ppbv #	81
26) Hexane	5.91	57	120632	0.92	ppbv #	42
27) Carbon Disulfide	4.73	76	10084	0.07	ppbv #	21
29) Chloroform	5.97	83	16958	0.08	ppbv	87
30) Cyclohexane	7.39	84	2066	0.02	ppbv #	1
34) 2-Butanone	5.44	43	1153792	6.06	ppbv	100
35) Carbon Tetrachloride	7.26	117	10580	0.06	ppbv #	78
36) Benzene	7.14	78	32636	0.15	ppbv	92
38) Trichloroethene	8.10	130	1139	0.01	ppbv #	70
39) 1,2-Dichloropropane	7.42	63	605676	8.00	ppbv #	24
41) Tetrahydrofuran	6.29	42	1433	0.02	ppbv #	28
44) 2,2,4-Trimethylpentane	8.13	57	14044	0.04	ppbv #	1
51) 2-Hexanone	10.42	43	488757	2.99	ppbv #	99
52) Tetrachloroethene	11.52	164	1284	0.02	ppbv #	51
53) Toluene	10.09	91	63207	0.27	ppbv #	30
58) Ethyl Benzene	13.02	91	50732	0.15	ppbv	94
59) m/p-Xylene	13.30	91	31634	0.11	ppbv #	31
60) o-Xylene	14.00	91	73981	0.26	ppbv	88
61) Styrene	13.84	104	20232	0.35	ppbv #	16
62) Isopropylbenzene	14.97	105	5843	0.02	ppbv #	11
64) n-propylbenzene	15.88	120	3475	0.04	ppbv #	1
66) Benzyl Chloride	17.33	91	649	0.02	ppbv #	67
69) p-Isopropyltoluene	17.96	119	20215	0.06	ppbv #	42
70) n-Butylbenzene	18.85	91	6034	0.02	ppbv #	34
72) 4-Ethyltoluene	16.15	105	27124	0.09	ppbv #	65

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Quantitation Report (Not Reviewed)

Data File : VL031977.D
Acq On : 4 May 2018 00:43
Operator : SY/AP
Sample : J2629-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG2

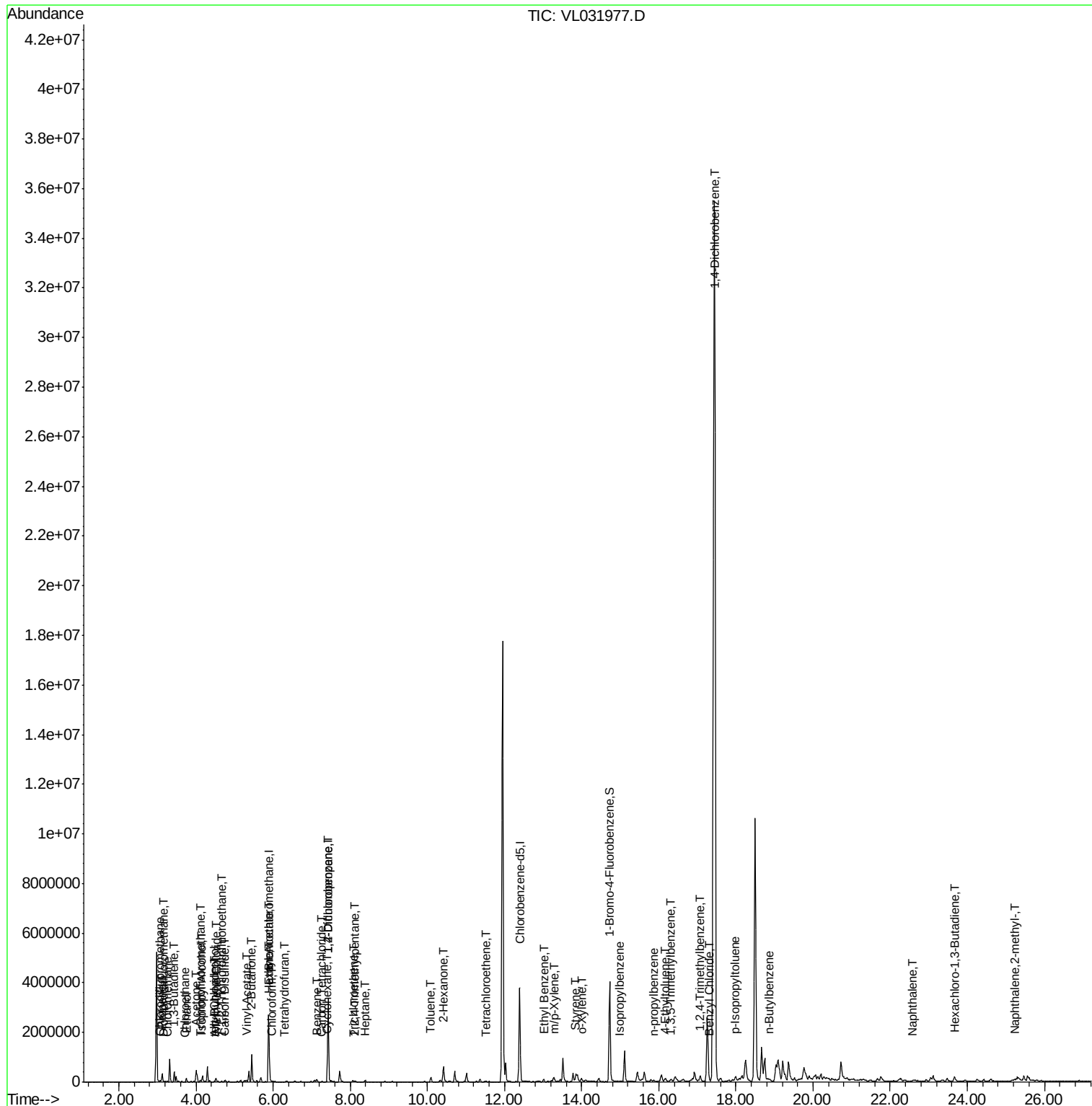
Quant Time: May 04 03:29:10 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

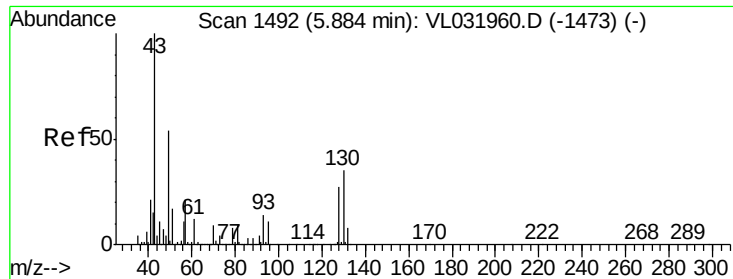
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.30	105	40867	0.15	ppbv #	85
74) 1,2,4-Trimethylbenzene	17.08	105	144410	0.49	ppbv #	67
76) 1,4-Dichlorobenzene	17.46	146	1948	0.01	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.67	225	938	0.01	ppbv #	1
79) Naphthalene	22.57	128	2494	0.01	ppbv #	70
80) Naphthalene,2-methyl-	25.24	142	3755	0.08	ppbv #	82

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

SG2

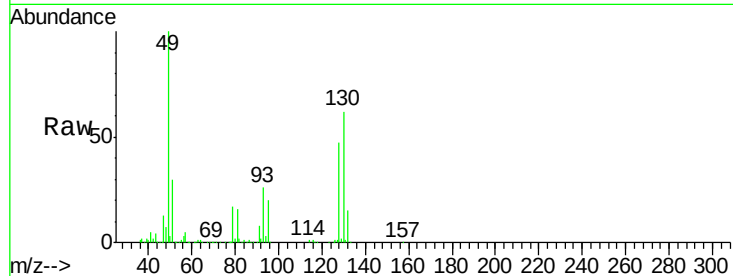
Tgt Ion: 49 Resp: 1146549

Ion Ratio Lower Upper

49 100

128 48.1 24.1 72.3

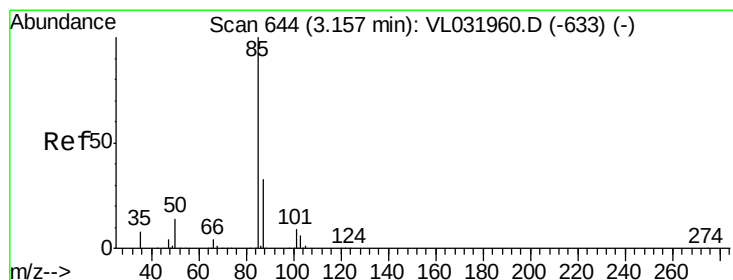
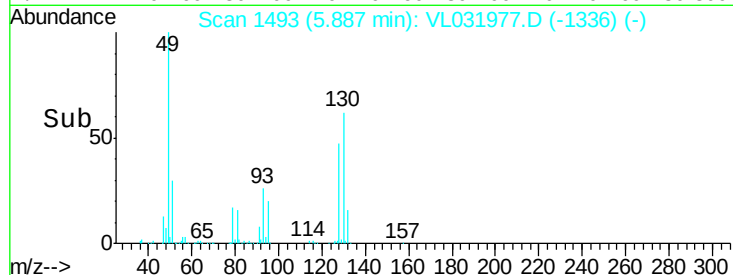
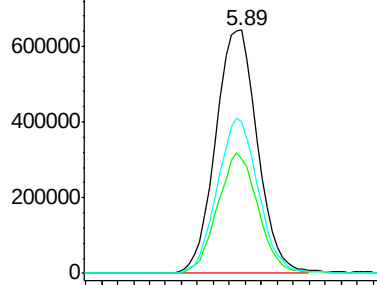
130 63.1 30.7 92.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.11 ppbv

RT: 3.16 min Scan# 645

Delta R.T. 0.00 min

Lab File: VL031977.D

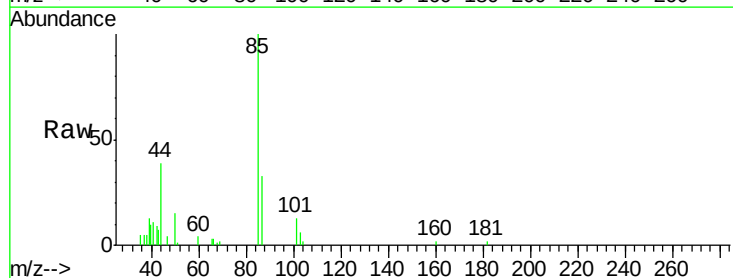
Acq: 4 May 2018 00:43

Tgt Ion: 85 Resp: 17020

Ion Ratio Lower Upper

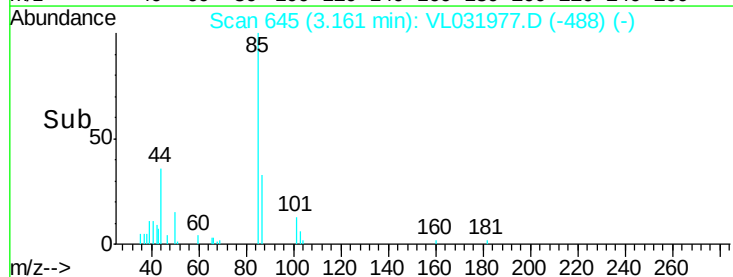
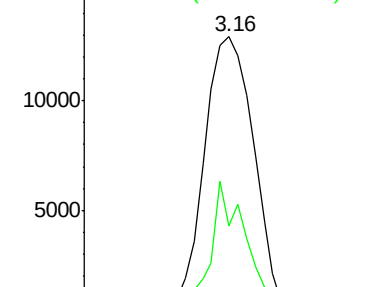
85 100

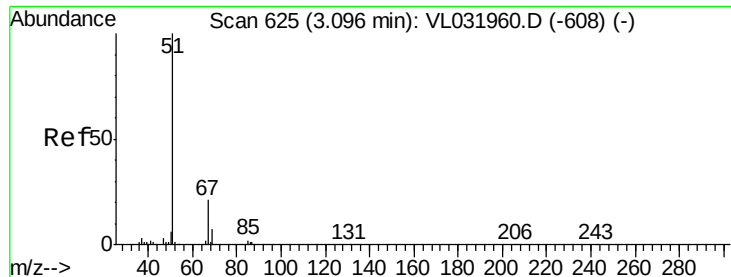
87 33.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.53 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.03 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampled :

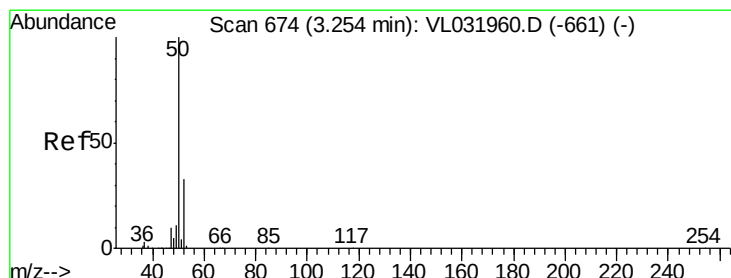
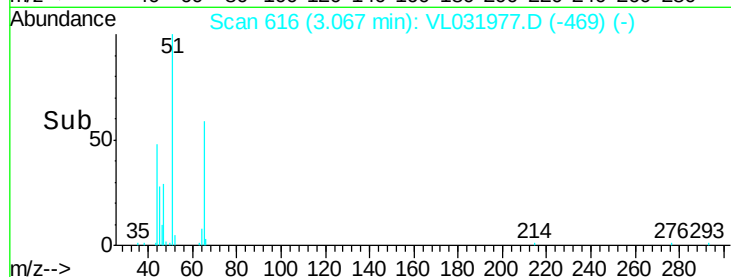
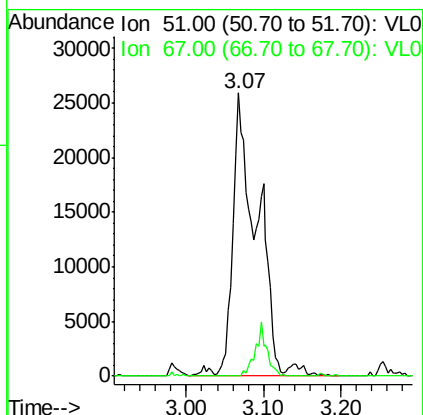
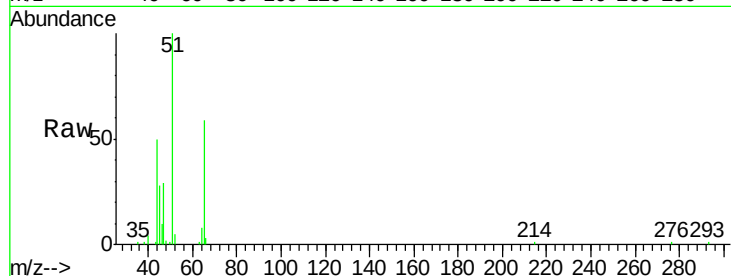
SG2

Tgt Ion: 51 Resp: 56925

Ion Ratio Lower Upper

51 100

67 8.9 15.9 23.9#



#4

Chloromethane

Concen: 0.35 ppbv

RT: 3.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL031977.D

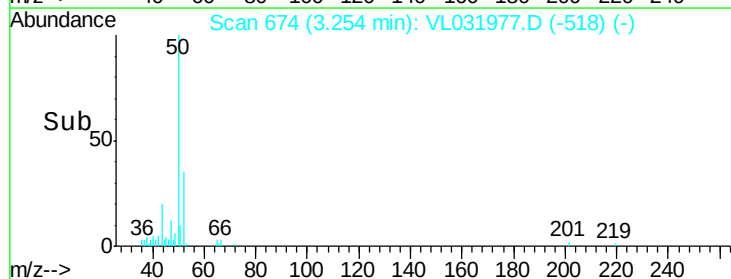
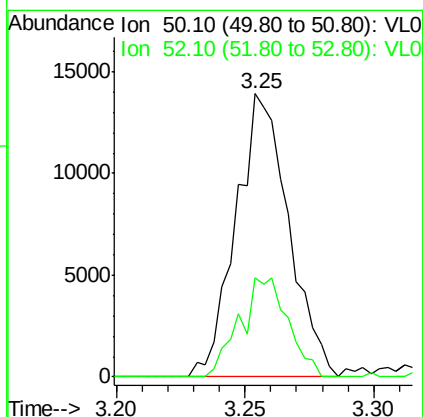
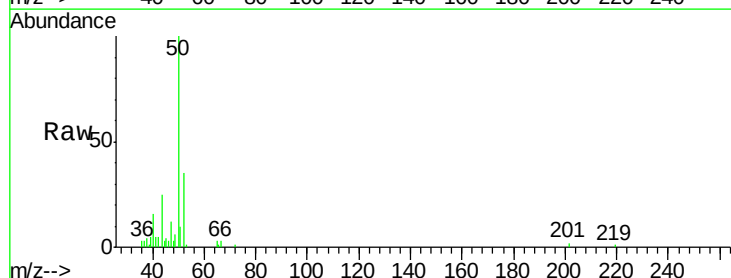
Acq: 4 May 2018 00:43

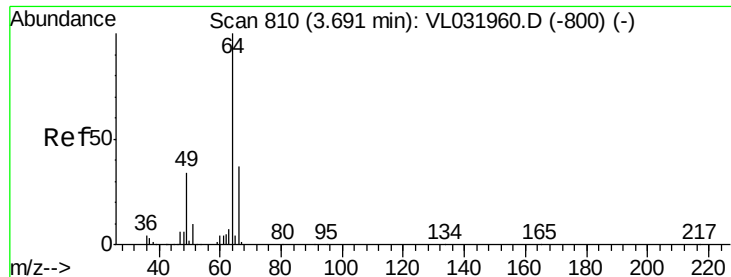
Tgt Ion: 50 Resp: 19821

Ion Ratio Lower Upper

50 100

52 34.9 26.6 39.8





#7

Chloroethane

Concen: 0.02 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.01 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

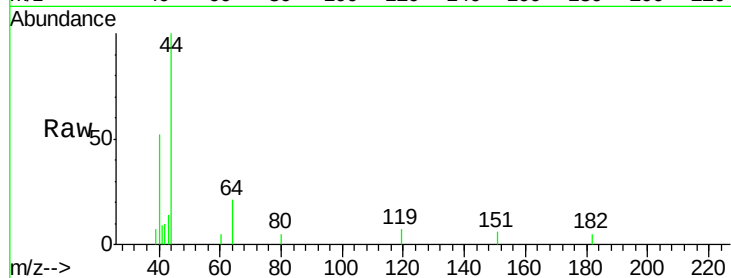
SG2

Tgt Ion: 64 Resp: 470

Ion Ratio Lower Upper

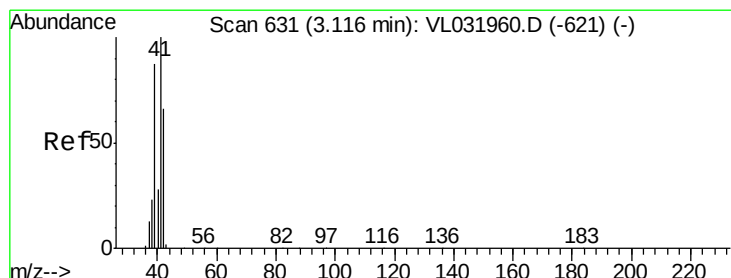
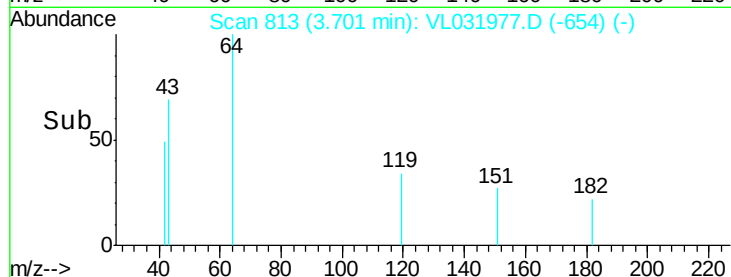
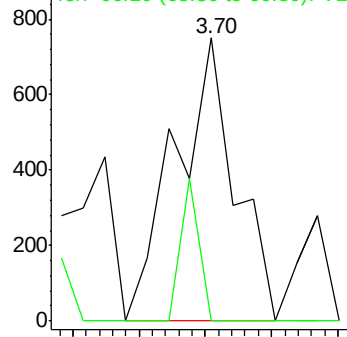
64 100

66 0.0 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: 3.21 ppbv

RT: 3.12 min Scan# 633

Delta R.T. 0.01 min

Lab File: VL031977.D

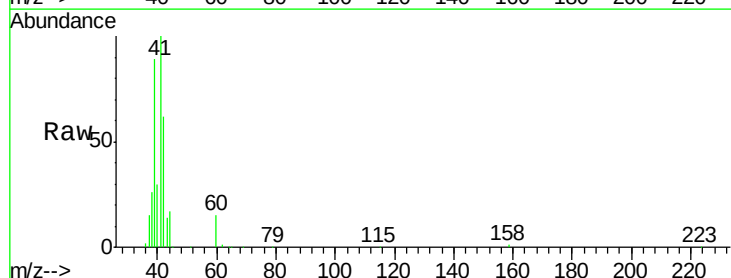
Acq: 4 May 2018 00:43

Tgt Ion: 41 Resp: 126876

Ion Ratio Lower Upper

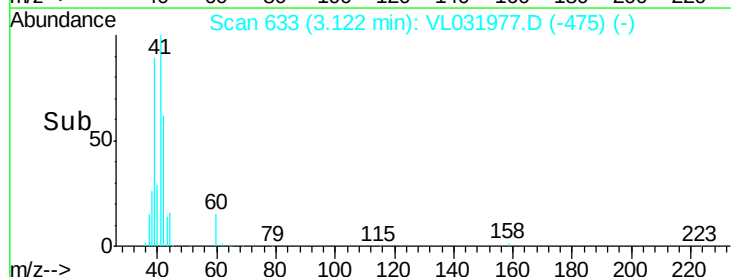
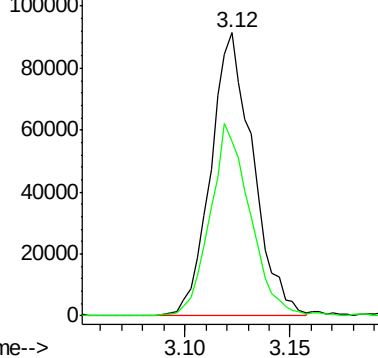
41 100

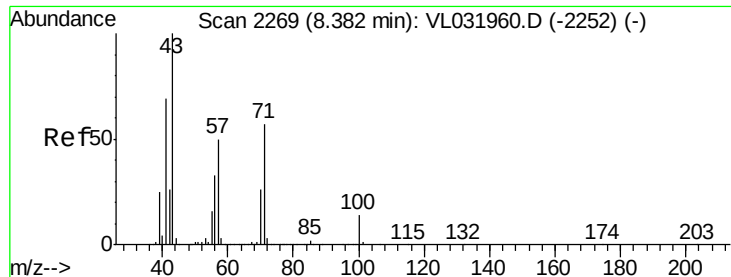
42 64.5 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.13 ppbv

RT: 8.38 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

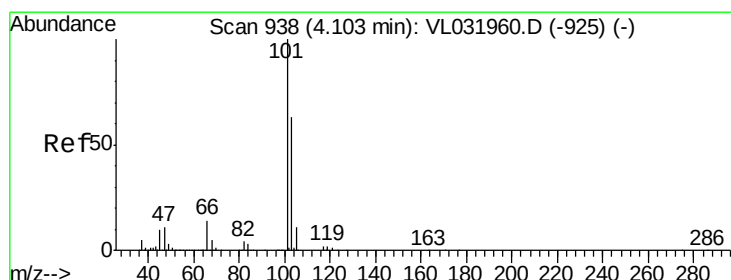
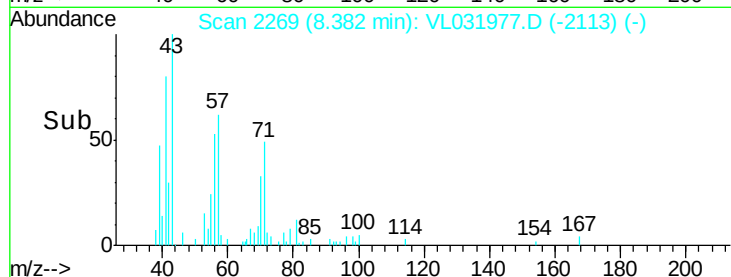
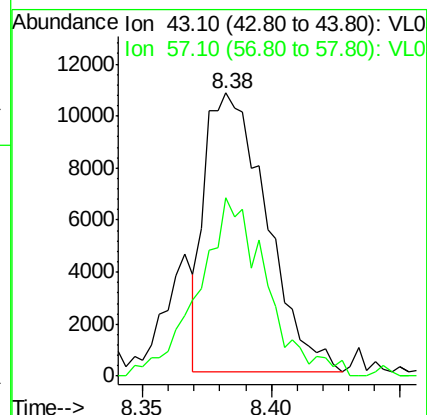
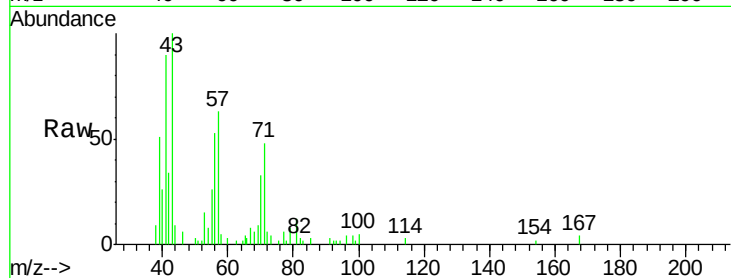
SG2

Tgt Ion: 43 Resp: 17692

Ion Ratio Lower Upper

43 100

57 71.9 40.7 61.1#



#11

Trichlorofluoromethane

Concen: 0.21 ppbv

RT: 4.11 min Scan# 940

Delta R.T. 0.01 min

Lab File: VL031977.D

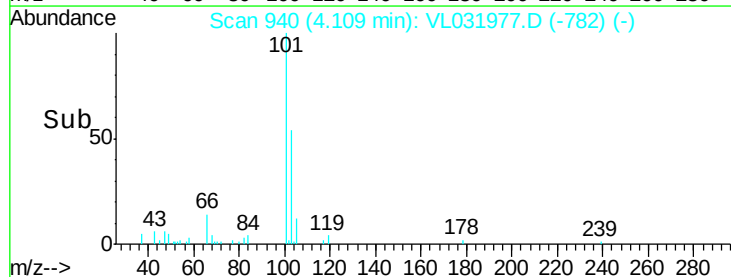
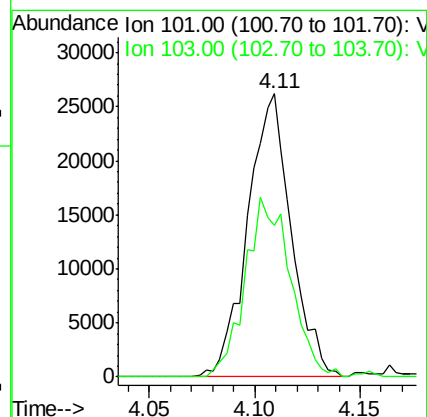
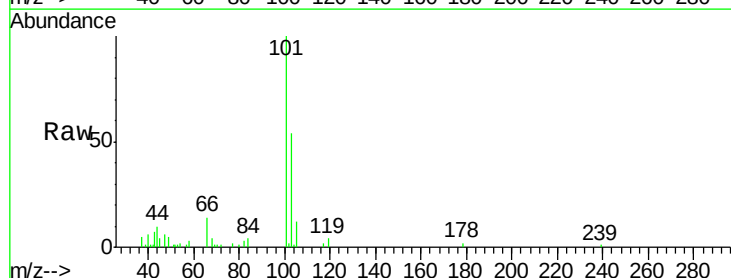
Acq: 4 May 2018 00:43

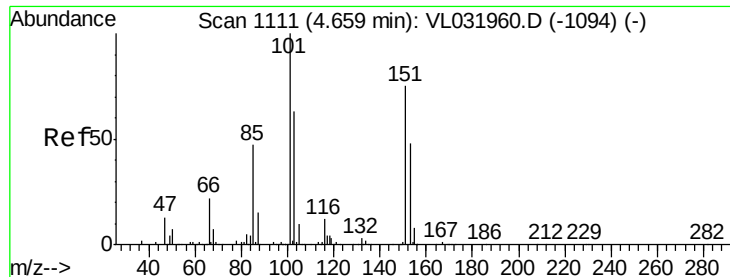
Tgt Ion: 101 Resp: 37655

Ion Ratio Lower Upper

101 100

103 53.6 50.7 76.1





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.03 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

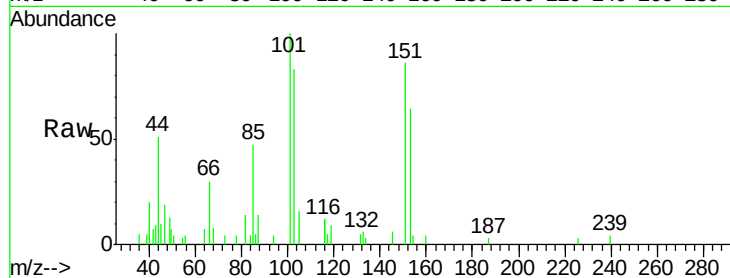
SG2

Tgt Ion:101 Resp: 4373

Ion Ratio Lower Upper

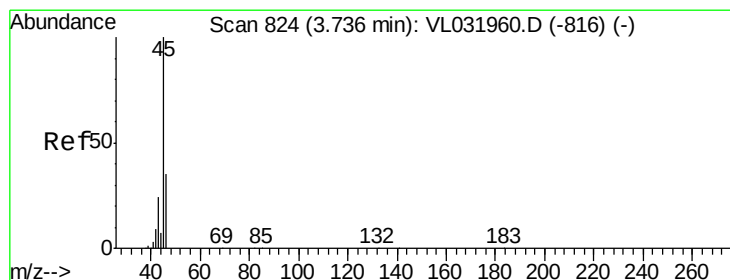
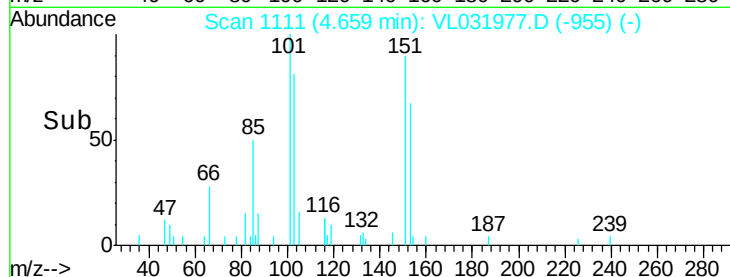
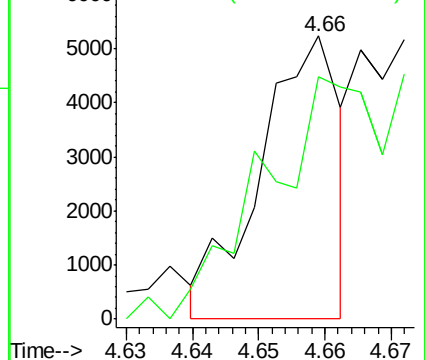
101 100

151 0.0 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: 10.33 ppbv

RT: 3.75 min Scan# 827

Delta R.T. 0.01 min

Lab File: VL031977.D

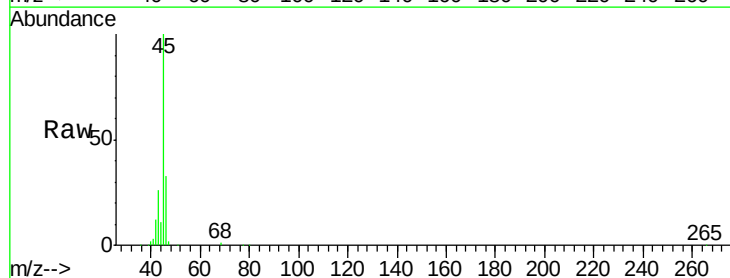
Acq: 4 May 2018 00:43

Tgt Ion: 45 Resp: 152468

Ion Ratio Lower Upper

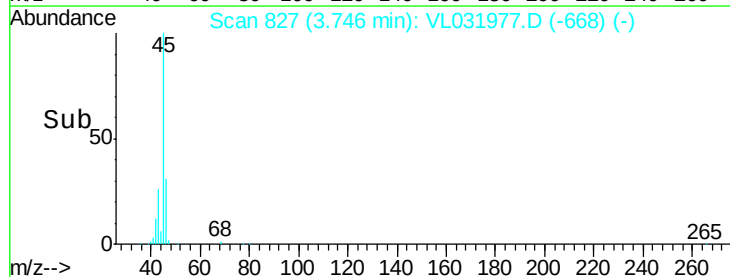
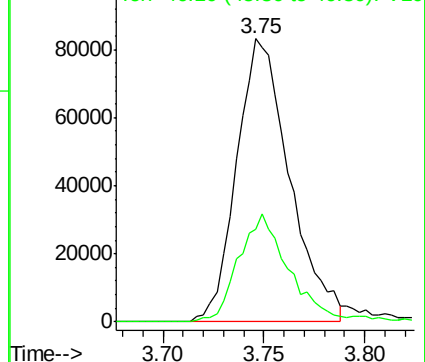
45 100

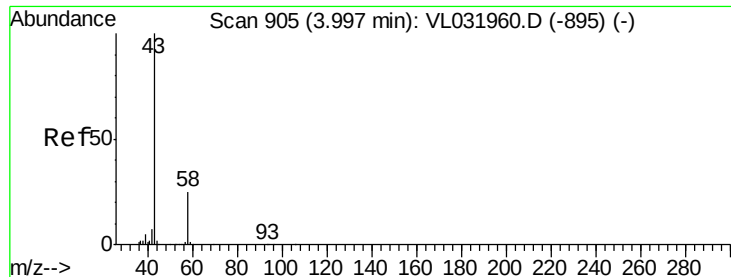
46 37.1 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 3.24 ppbv

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

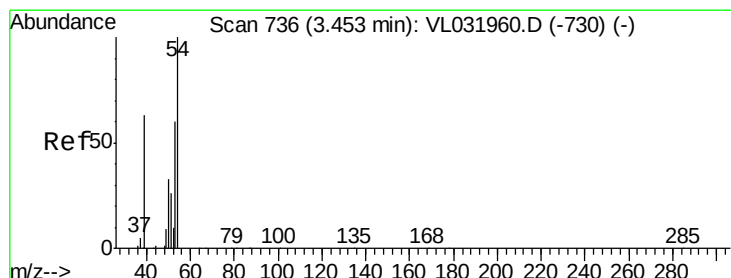
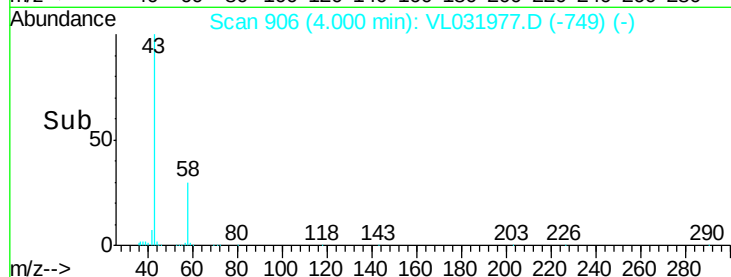
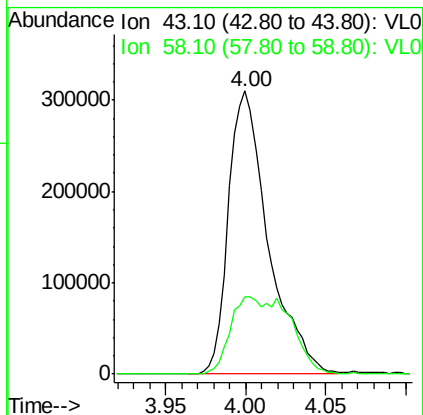
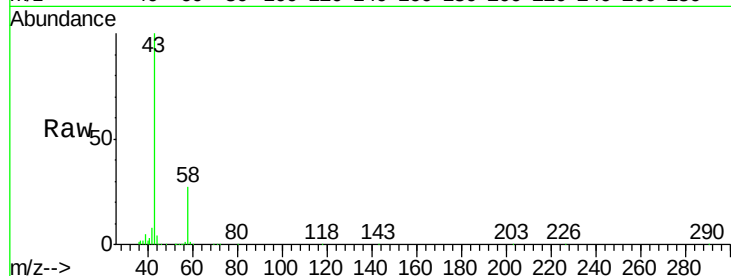
SG2

Tgt Ion: 43 Resp: 525693

Ion Ratio Lower Upper

43 100

58 41.4 21.1 31.7#



#16

1,3-Butadiene

Concen: 2.30 ppbv

RT: 3.43 min Scan# 730

Delta R.T. -0.02 min

Lab File: VL031977.D

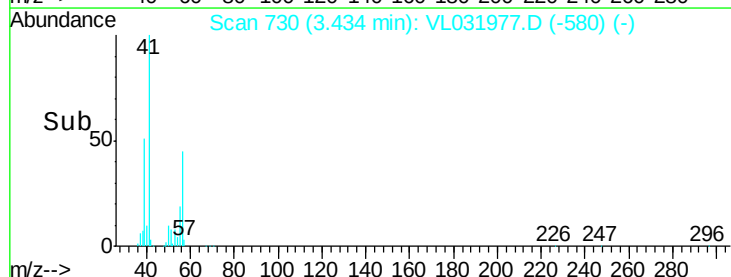
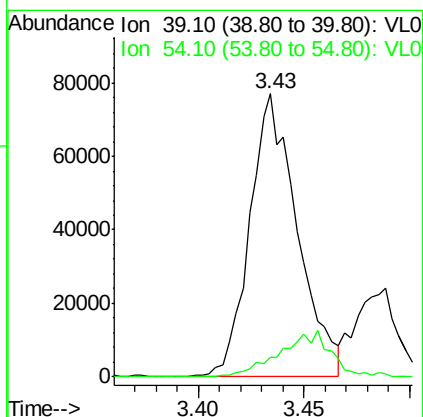
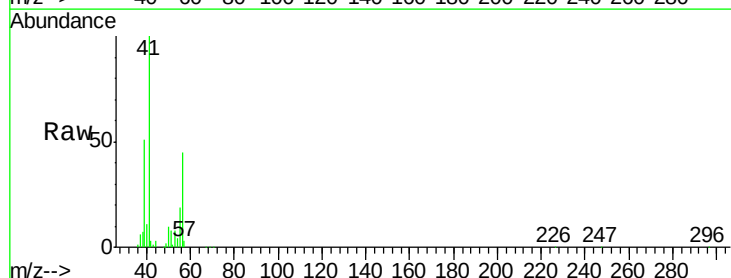
Acq: 4 May 2018 00:43

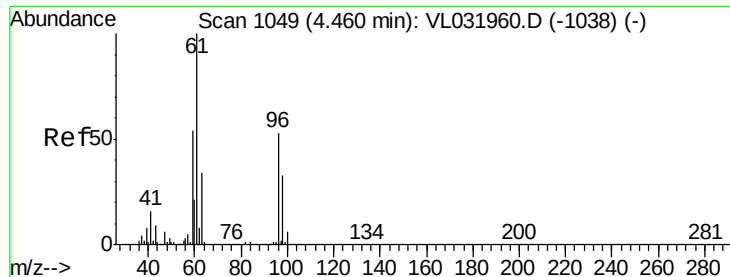
Tgt Ion: 39 Resp: 119991

Ion Ratio Lower Upper

39 100

54 17.9 66.2 99.2#



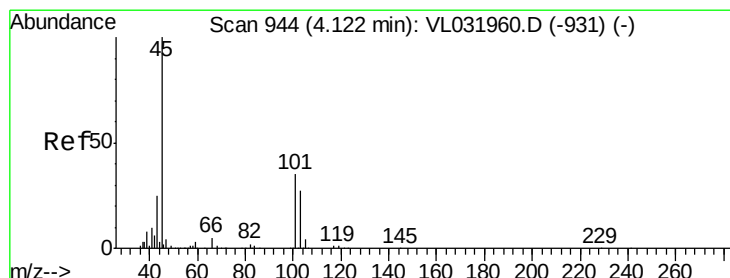
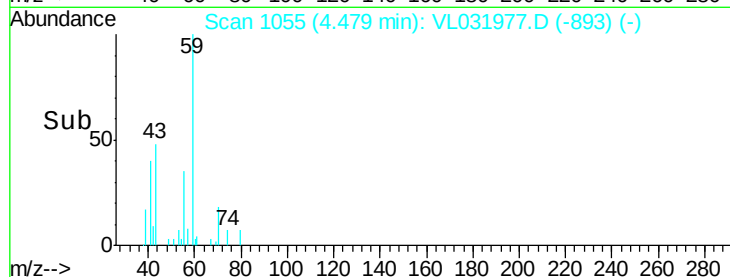
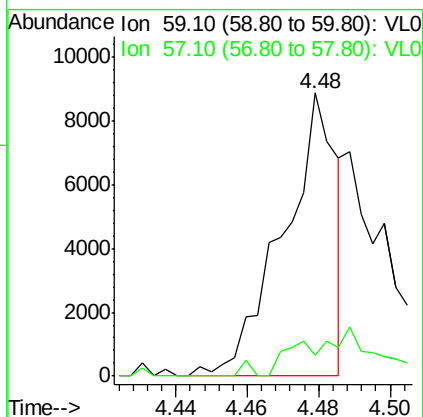
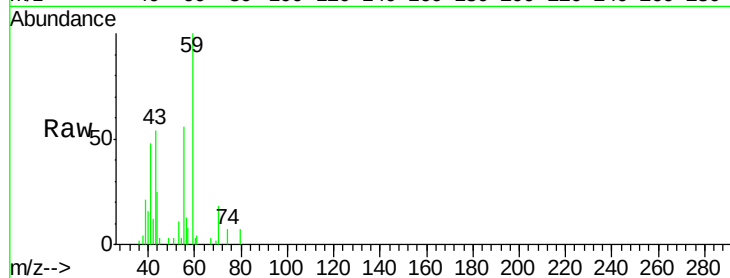


#17

tert-Butyl alcohol
 Concen: 0.14 ppbv
 RT: 4.48 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VL031977.D
 Acq: 4 May 2018 00:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SG2

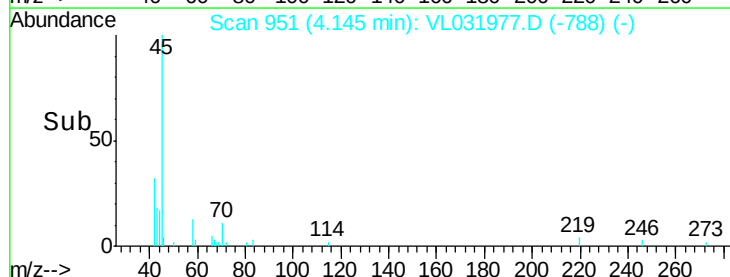
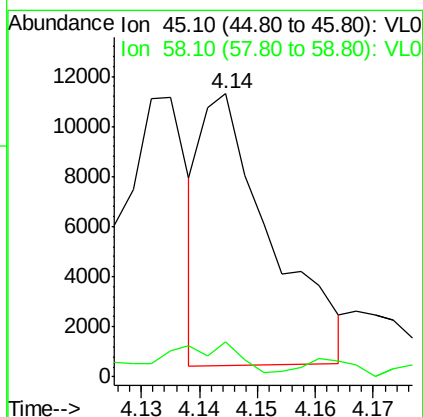
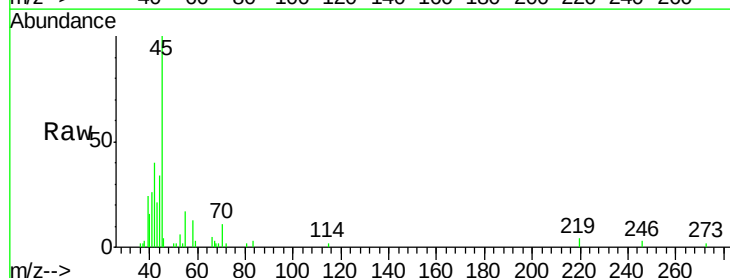
Tgt Ion: 59 Resp: 9130
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

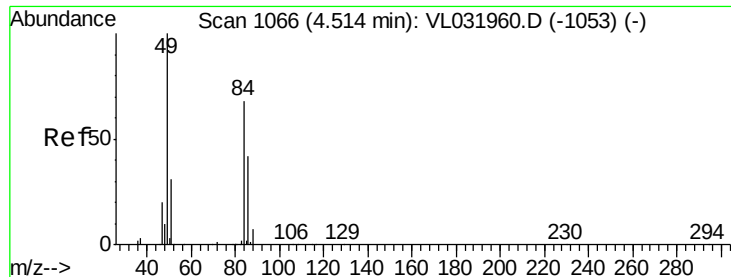


#19

Isopropyl Alcohol
 Concen: 0.10 ppbv
 RT: 4.14 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VL031977.D
 Acq: 4 May 2018 00:43

Tgt Ion: 45 Resp: 9044
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.2#

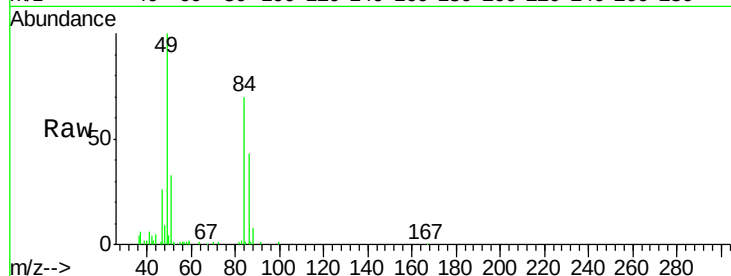




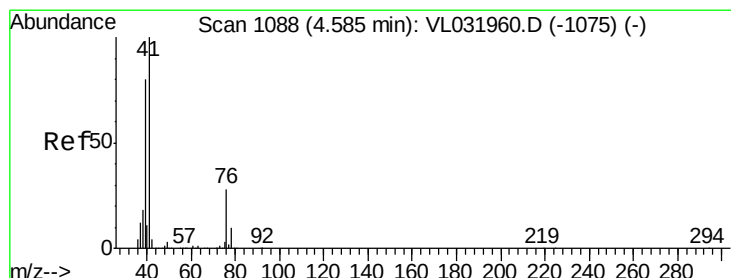
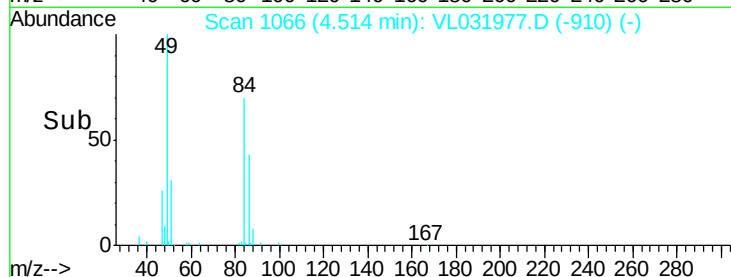
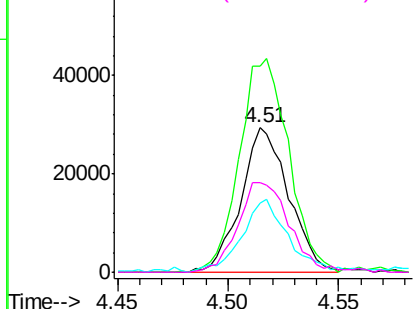
#20
Methylene Chloride
Concen: 0.81 ppbv
RT: 4.51 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

Instrument :
MSVOA_L
ClientSampleId :
SG2

Tgt Ion:	84	Resp:	44092
Ion	Ratio	Lower	Upper
84	100		
49	143.1	118.6	178.0
51	48.4	36.6	54.8
86	62.1	49.8	74.8

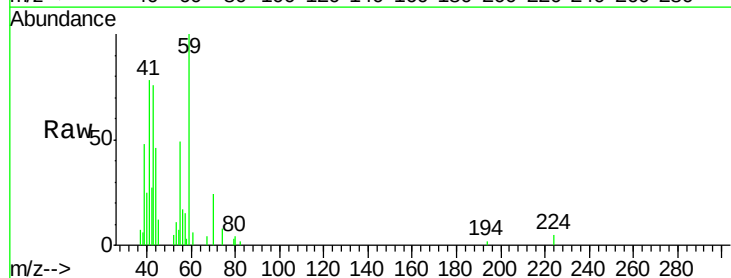


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

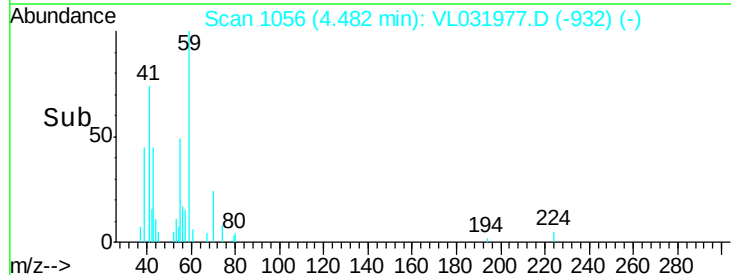
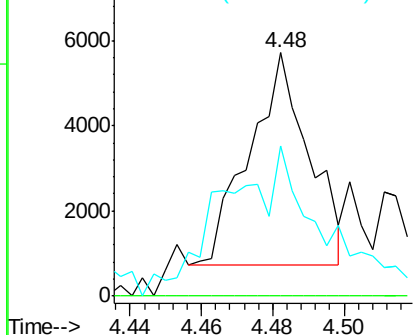


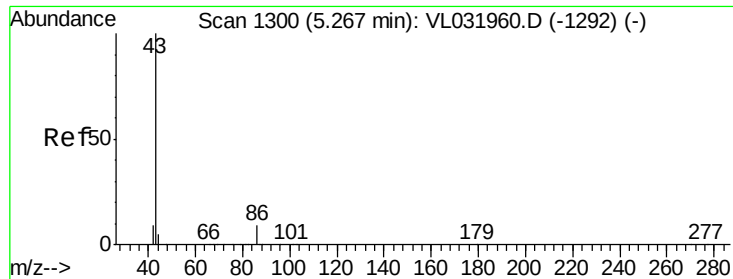
#21
Allyl Chloride
Concen: 0.06 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.10 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

Tgt Ion:	41	Resp:	5741
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.4	35.0#
39	118.6	64.5	96.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

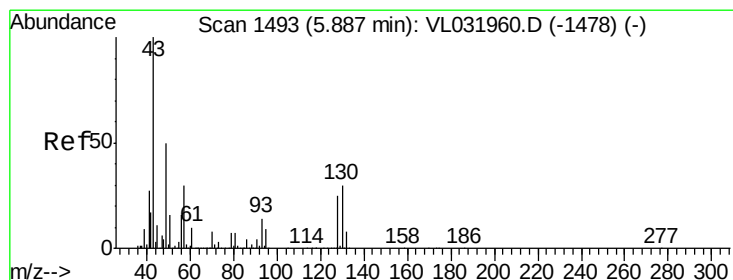
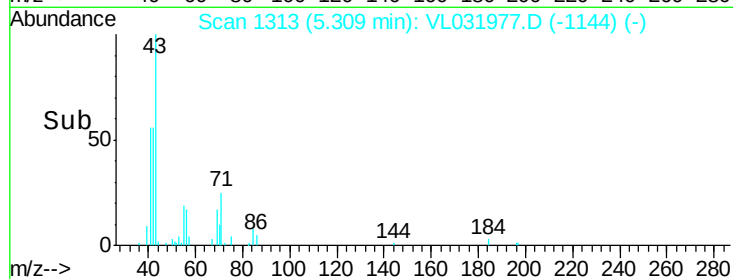
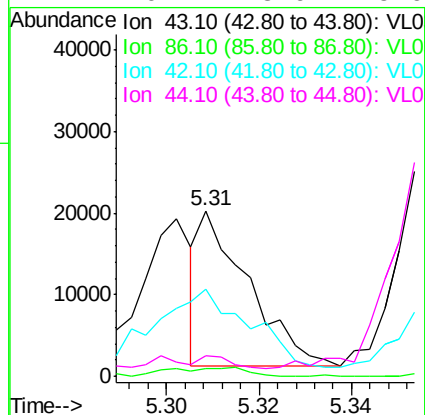
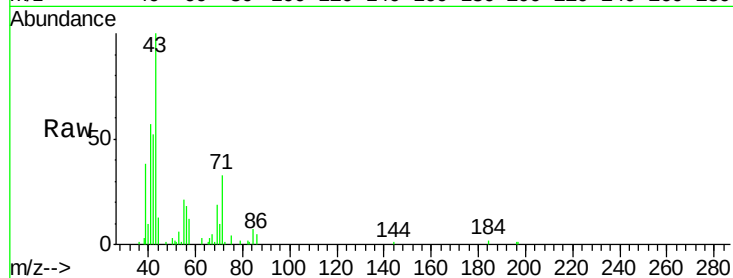




#23
 Vinyl Acetate
 Concen: 0.07 ppbv
 RT: 5.31 min Scan# 1313
 Delta R.T. 0.04 min
 Lab File: VL031977.D
 Acq: 4 May 2018 00:43

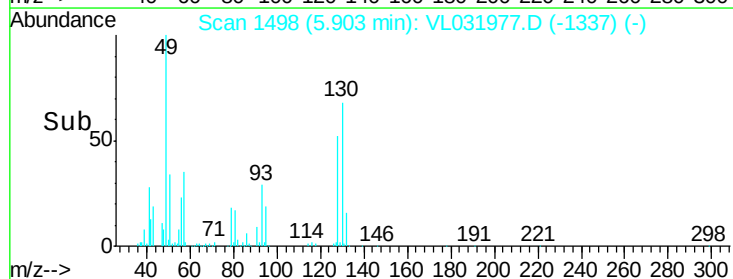
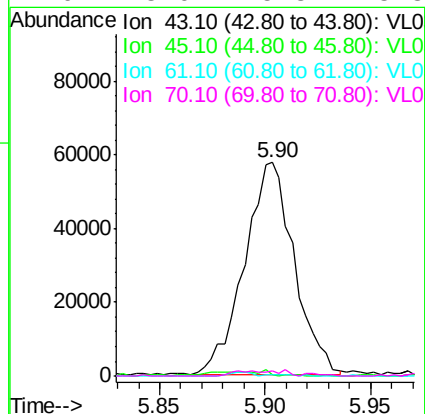
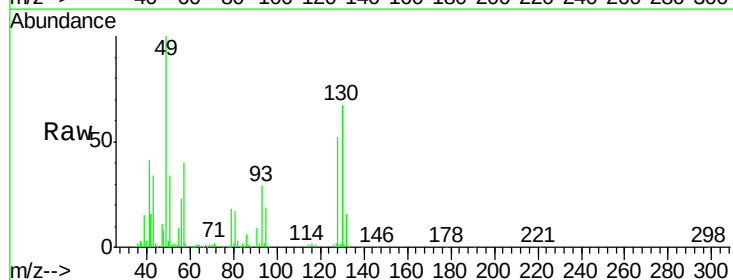
Instrument :
 MSVOA_L
 ClientSampleId :
 SG2

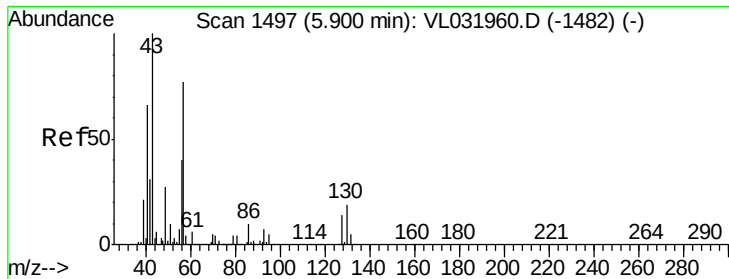
Tgt Ion: 43 Resp: 13794
 Ion Ratio Lower Upper
 43 100
 86 5.0 6.1 9.1#
 42 50.3 8.0 12.0#
 44 6.1 3.9 5.9#



#25
 Ethyl Acetate
 Concen: 0.34 ppbv
 RT: 5.90 min Scan# 1498
 Delta R.T. 0.02 min
 Lab File: VL031977.D
 Acq: 4 May 2018 00:43

Tgt Ion: 43 Resp: 94307
 Ion Ratio Lower Upper
 43 100
 45 2.6 7.8 11.6#
 61 1.1 7.4 11.2#
 70 3.0 5.8 8.8#

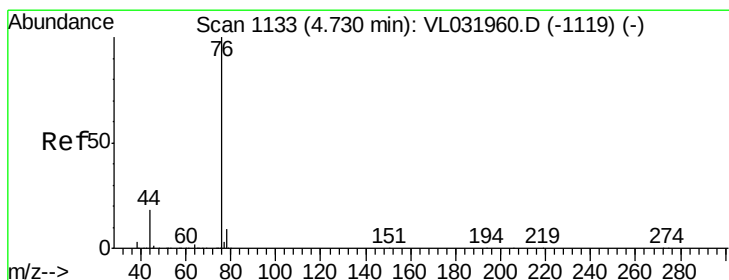
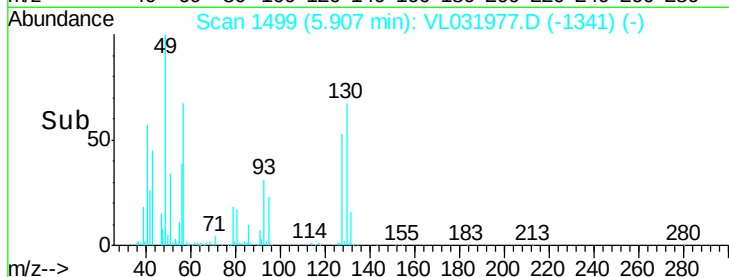
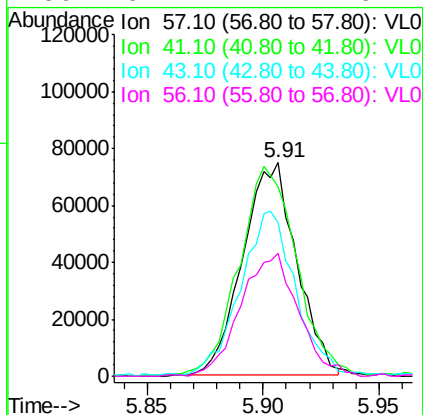
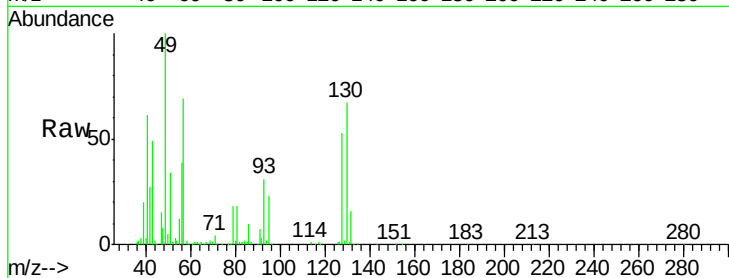




#26
Hexane
Concen: 0.92 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. 0.01 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

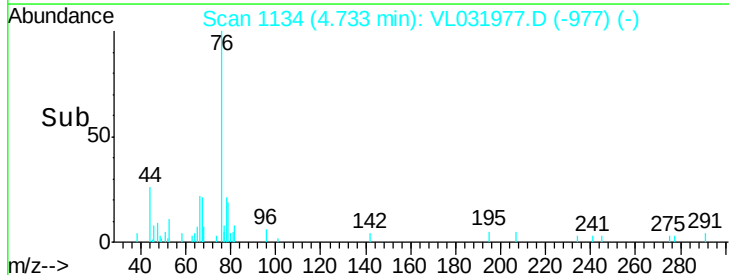
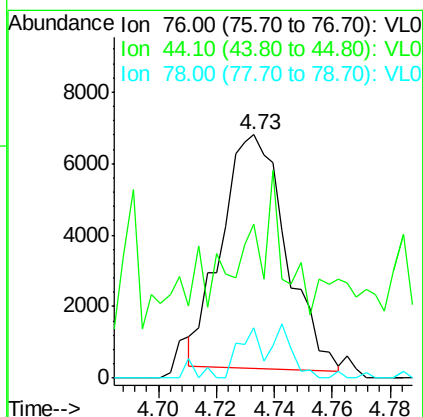
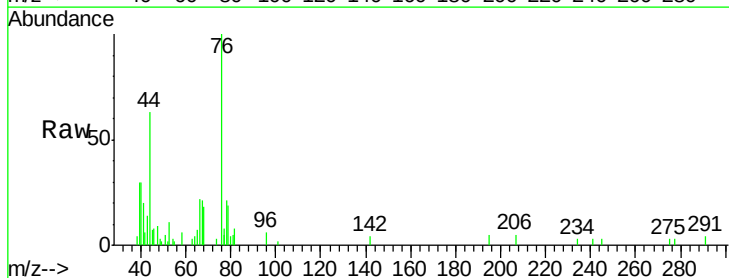
Instrument :
MSVOA_L
ClientSampleId :
SG2

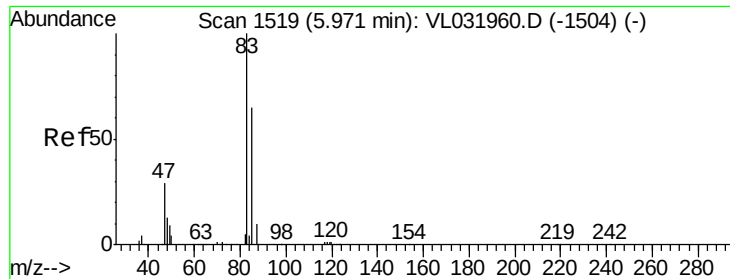
Tgt Ion: 57 Resp: 120632
Ion Ratio Lower Upper
57 100
41 108.5 71.8 107.6#
43 80.9 171.5 257.3#
56 62.1 41.4 62.2



#27
Carbon Disulfide
Concen: 0.07 ppbv
RT: 4.73 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

Tgt Ion: 76 Resp: 10084
Ion Ratio Lower Upper
76 100
44 68.2 15.4 23.0#
78 15.9 7.4 11.0#





#29

Chloroform

Concen: 0.08 ppbv

RT: 5.97 min Scan# 1519

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

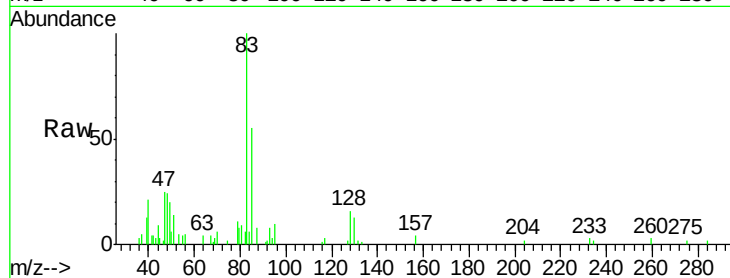
SG2

Tgt Ion: 83 Resp: 16958

Ion Ratio Lower Upper

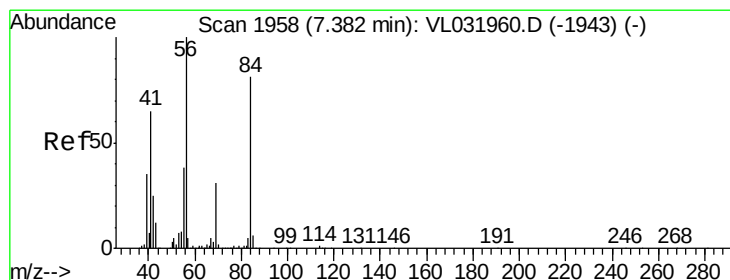
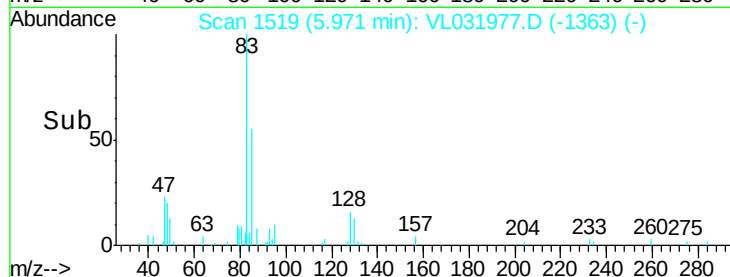
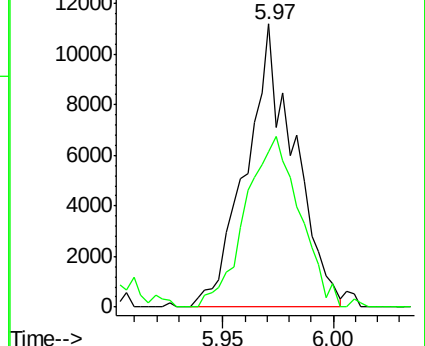
83 100

85 55.0 52.2 78.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.02 ppbv

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

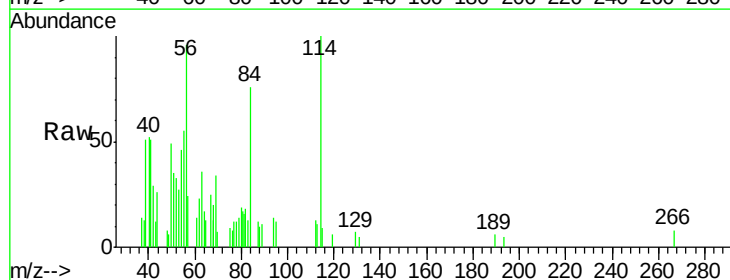
Tgt Ion: 84 Resp: 2066

Ion Ratio Lower Upper

84 100

56 0.0 108.0 162.0#

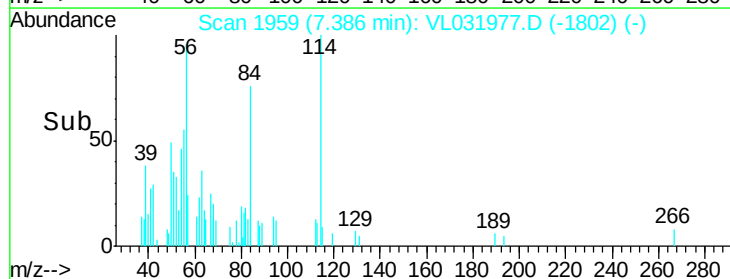
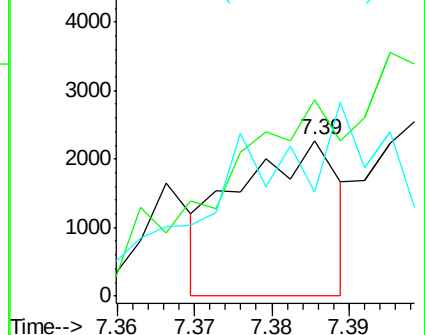
41 445.2 66.8 100.2#

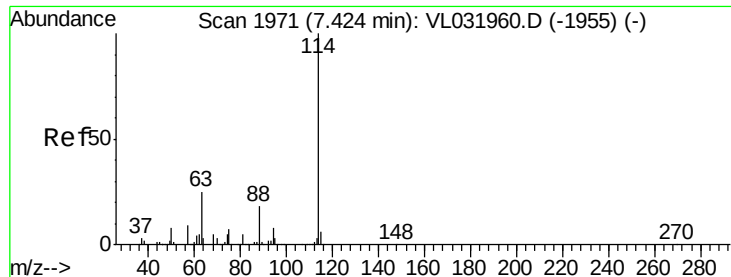


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

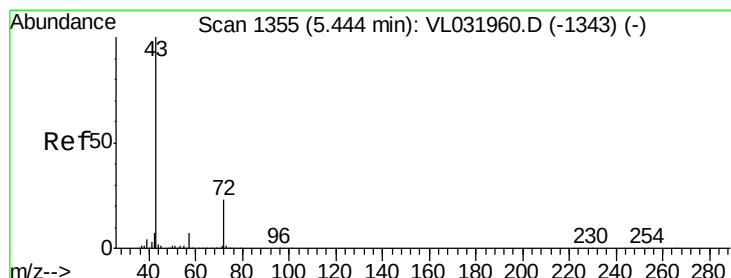
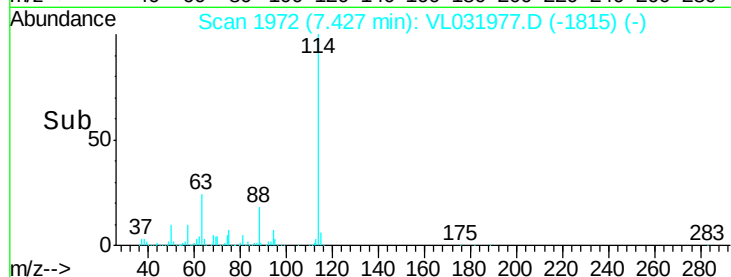
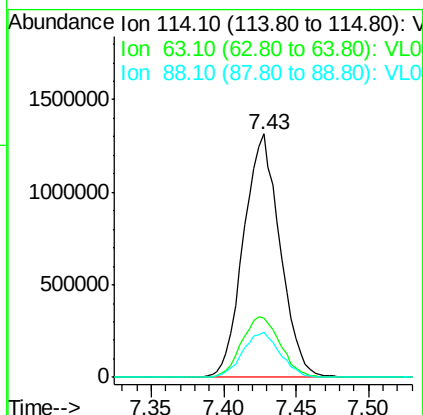
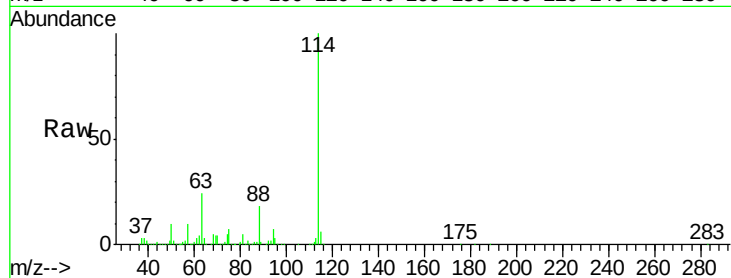




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VL031977.D
 Acq: 4 May 2018 00:43

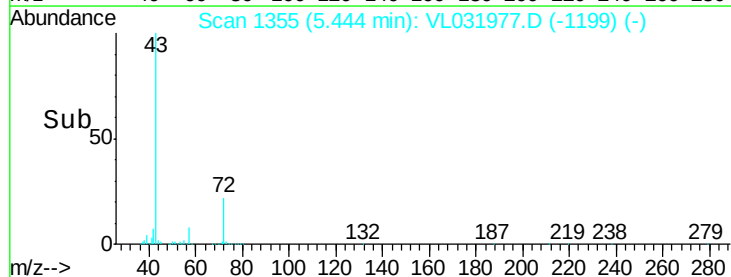
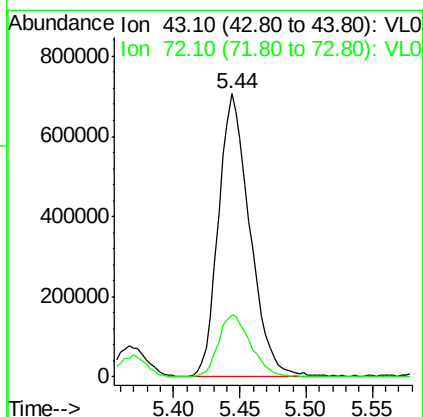
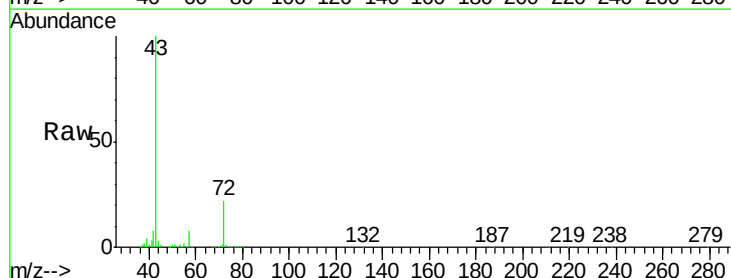
Instrument :
 MSVOA_L
 ClientSampleId :
 SG2

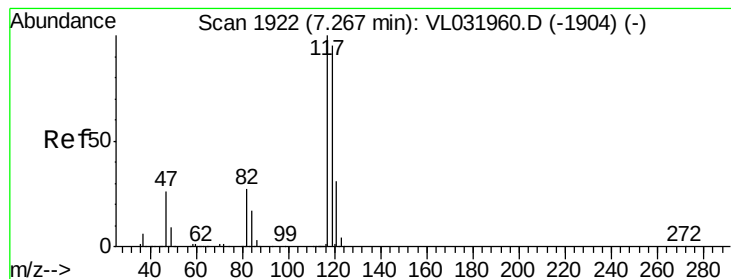
Tgt Ion:114 Resp: 2307421
 Ion Ratio Lower Upper
 114 100
 63 26.5 20.8 31.2
 88 19.0 14.6 21.8



#34
 2-Butanone
 Concen: 6.06 ppbv
 RT: 5.44 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL031977.D
 Acq: 4 May 2018 00:43

Tgt Ion: 43 Resp: 1153792
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.3 27.5





#35

Carbon Tetrachloride

Concen: 0.06 ppbv

RT: 7.26 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

SG2

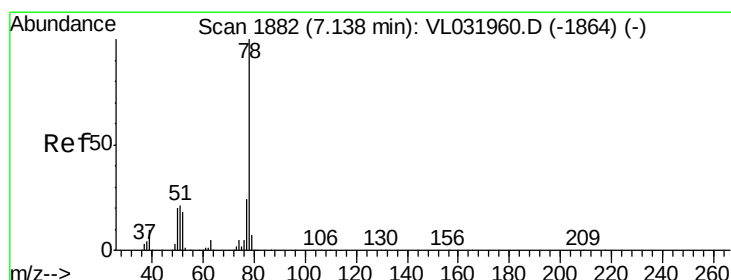
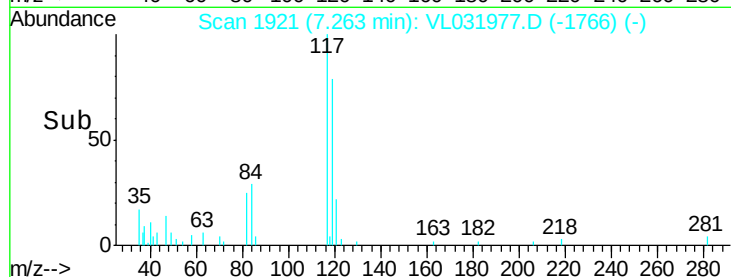
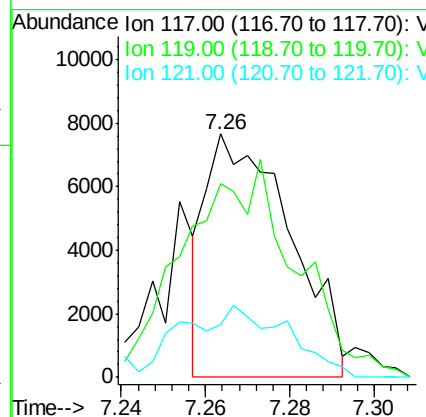
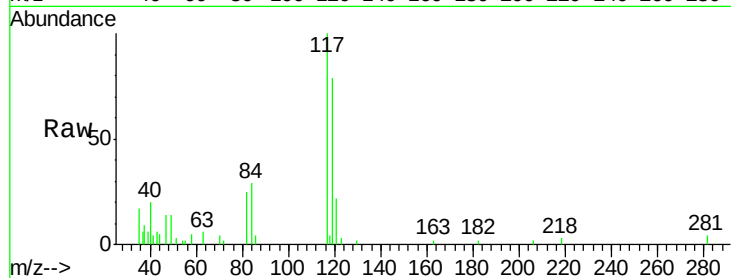
Tgt Ion:117 Resp: 10580

Ion Ratio Lower Upper

117 100

119 74.4 76.4 114.6#

121 19.0 24.4 36.6#



#36

Benzene

Concen: 0.15 ppbv

RT: 7.14 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

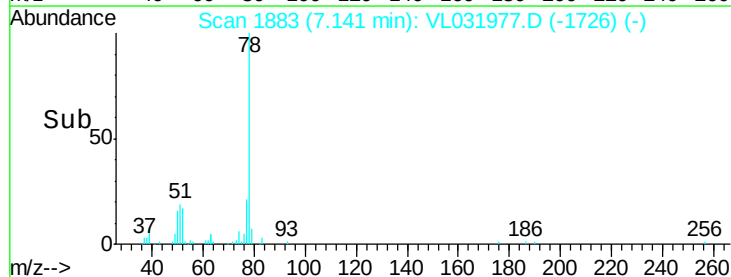
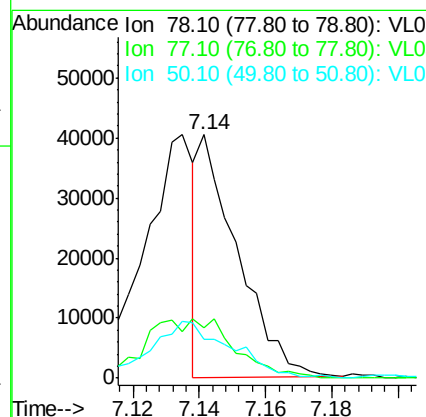
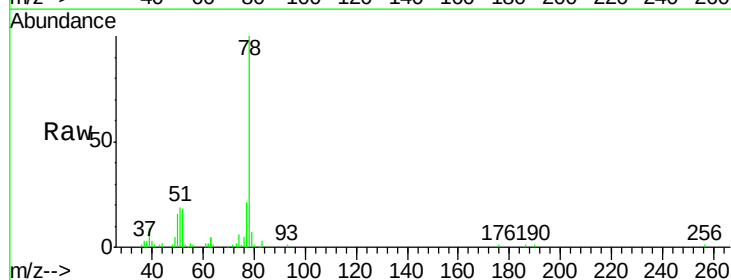
Tgt Ion: 78 Resp: 32636

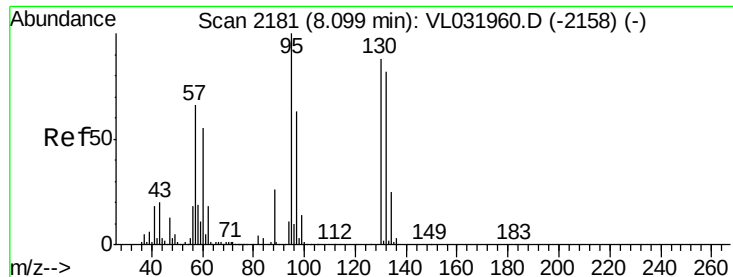
Ion Ratio Lower Upper

78 100

77 20.7 19.2 28.8

50 16.3 16.2 24.4





#38

Trichloroethene

Concen: 0.01 ppbv

RT: 8.10 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

SG2

Tgt Ion:130 Resp: 1139

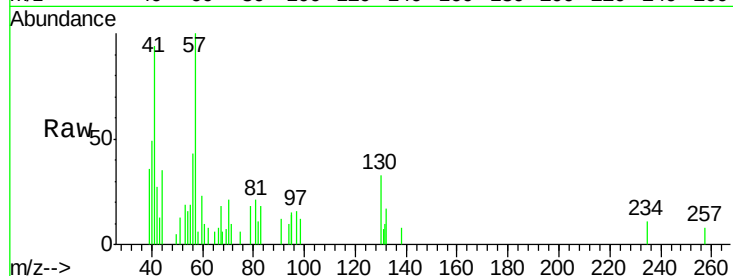
Ion Ratio Lower Upper

130 100

95 88.4 90.7 136.1#

132 53.2 74.3 111.5#

97 48.9 57.3 85.9#

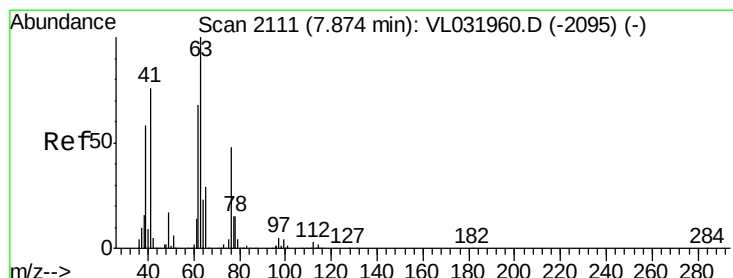
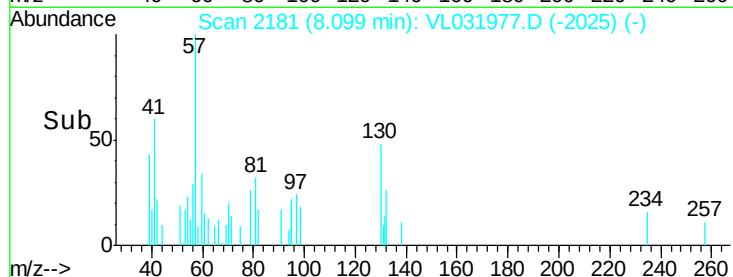
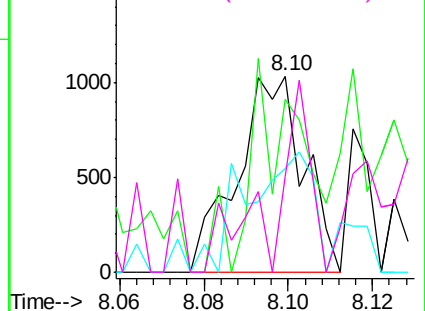


Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.00 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. -0.45 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

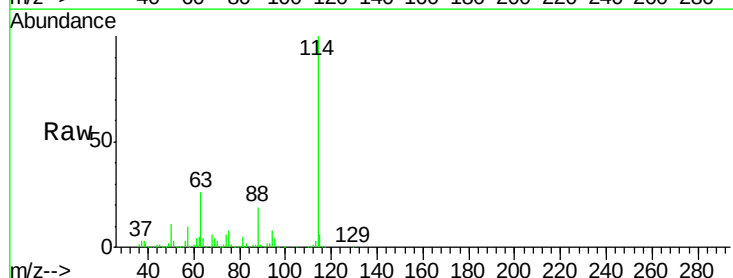
Tgt Ion: 63 Resp: 605676

Ion Ratio Lower Upper

63 100

41 0.0 60.7 91.1#

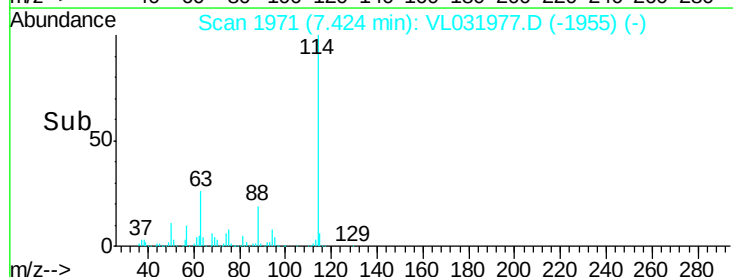
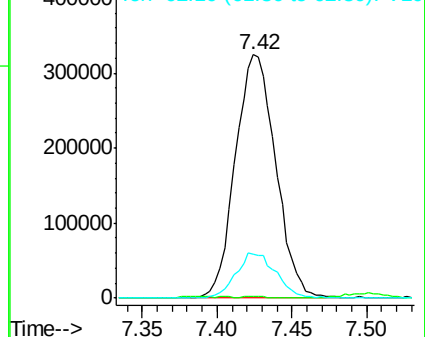
62 18.0 54.7 82.1#

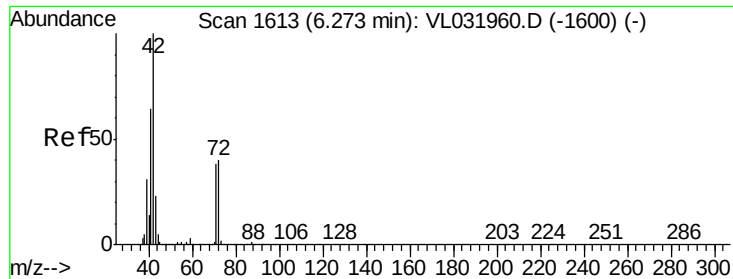


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.02 ppbv

RT: 6.29 min Scan# 1618

Delta R.T. 0.02 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

SG2

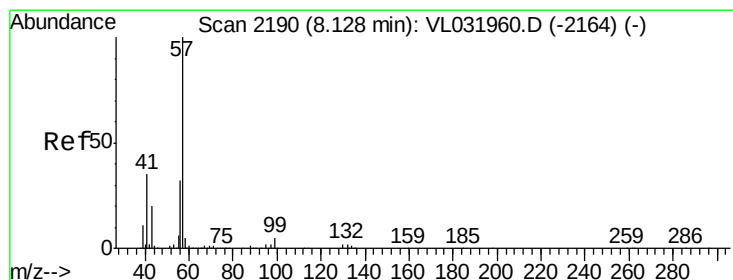
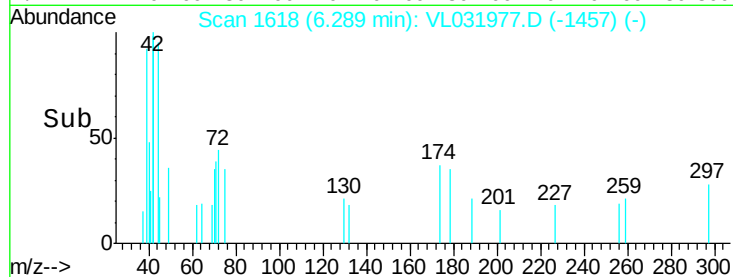
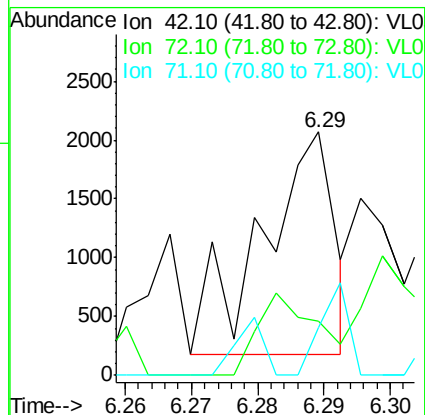
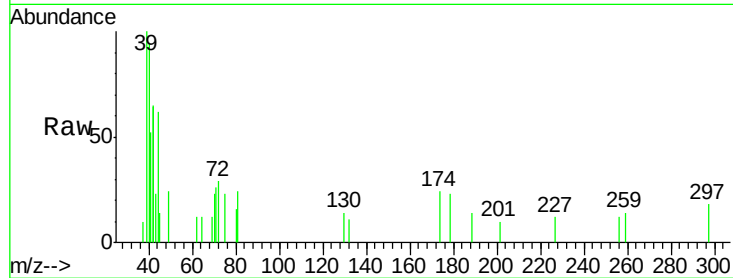
Tgt Ion: 42 Resp: 1433

Ion Ratio Lower Upper

42 100

72 106.7 32.3 48.5#

71 17.0 31.4 47.2#



#44

2,2,4-Trimethylpentane

Concen: 0.04 ppbv

RT: 8.13 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

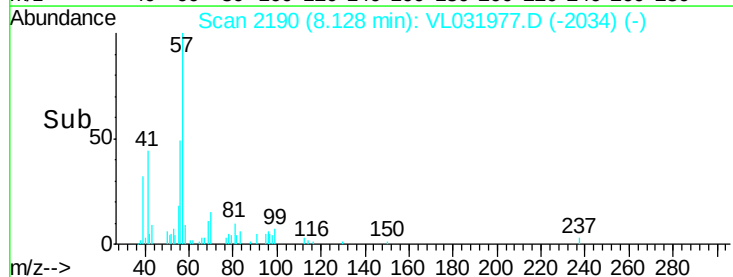
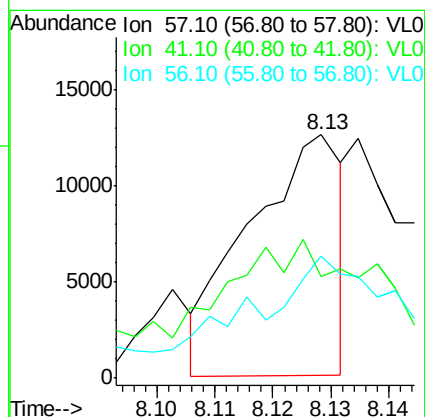
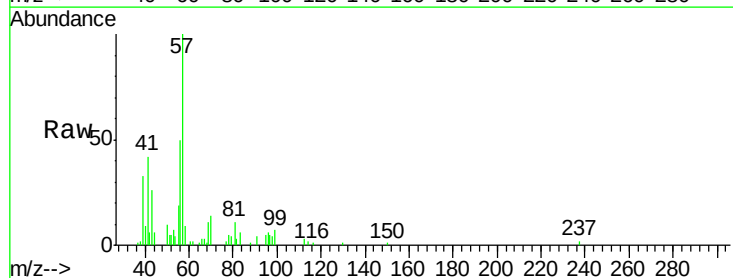
Tgt Ion: 57 Resp: 14044

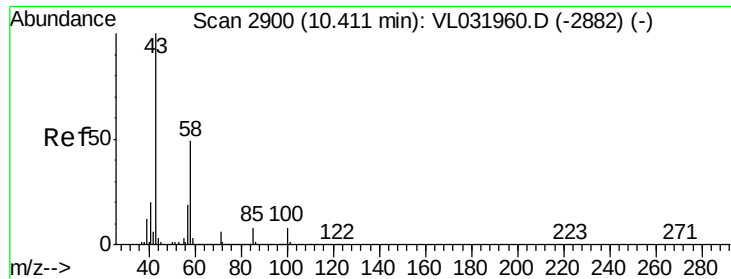
Ion Ratio Lower Upper

57 100

41 117.4 26.6 39.8#

56 95.3 24.4 36.6#





#51

2-Hexanone

Concen: 2.99 ppbv

RT: 10.42 min Scan# 2902

Delta R.T. 0.01 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

SG2

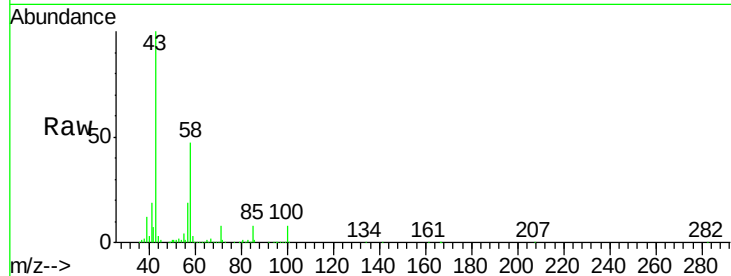
Tgt Ion: 43 Resp: 488757

Ion Ratio Lower Upper

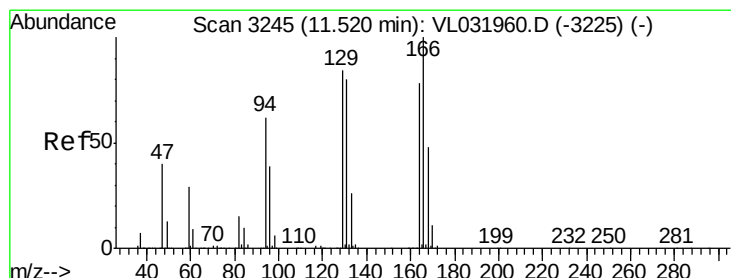
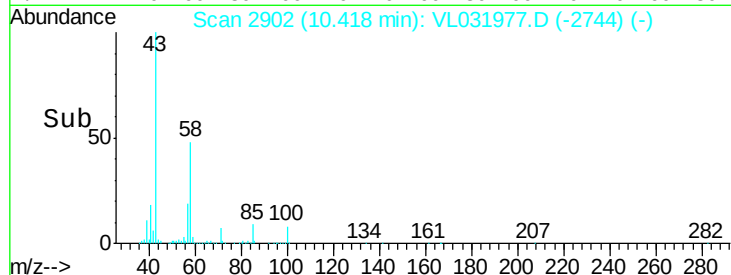
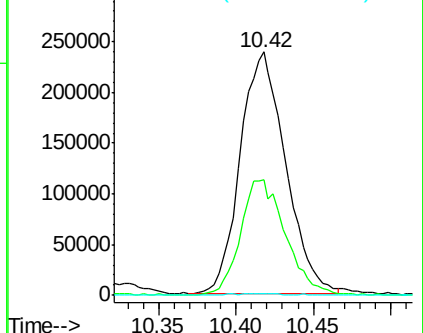
43 100

58 47.4 38.6 58.0

98 1.1 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.02 ppbv

RT: 11.52 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Tgt Ion: 164 Resp: 1284

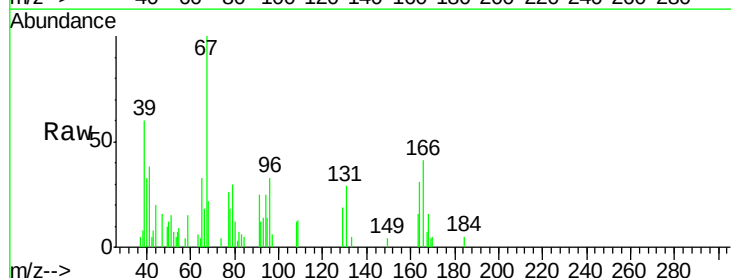
Ion Ratio Lower Upper

164 100

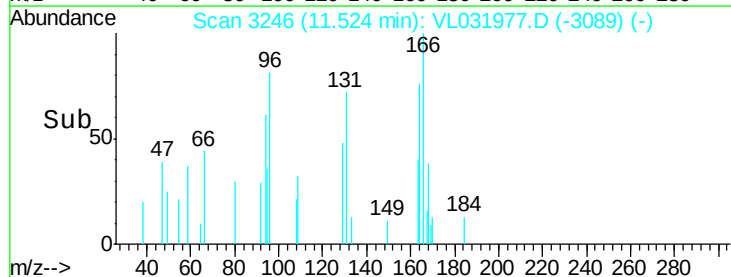
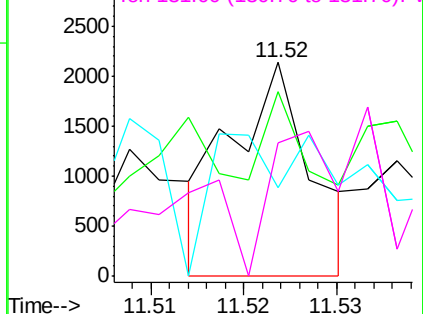
166 72.3 101.9 152.9#

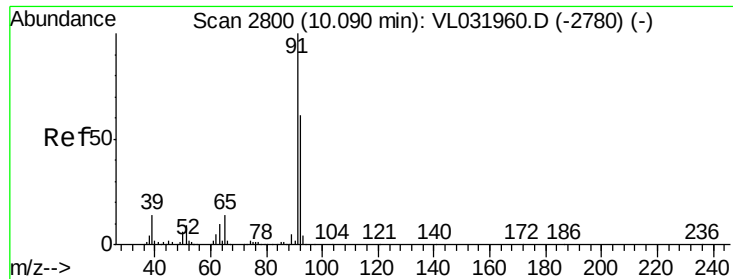
129 68.7 85.8 128.6#

131 37.8 81.6 122.4#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.27 ppbv

RT: 10.09 min Scan# 2800

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampled :

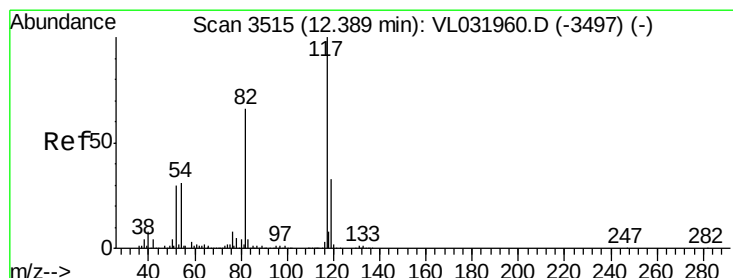
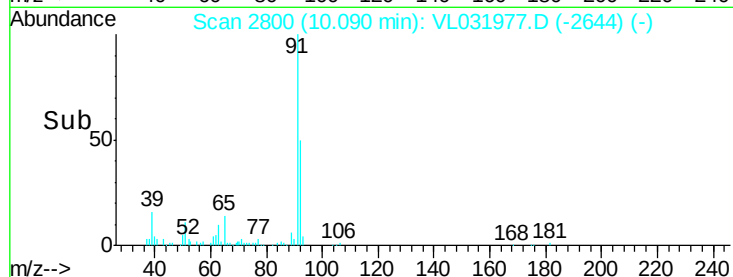
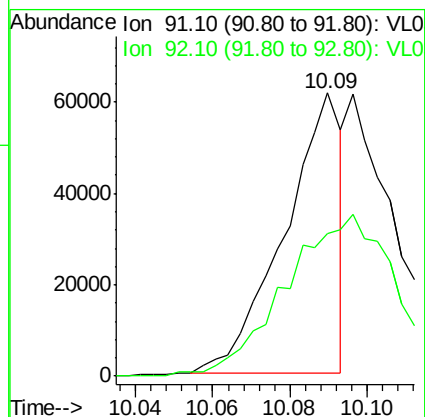
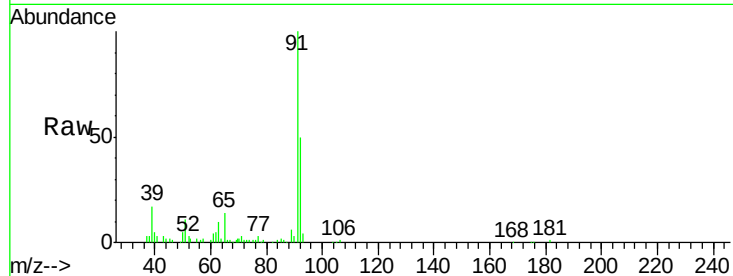
SG2

Tgt Ion: 91 Resp: 63207

Ion Ratio Lower Upper

91 100

92 112.1 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: VL031977.D

Acq: 4 May 2018 00:43

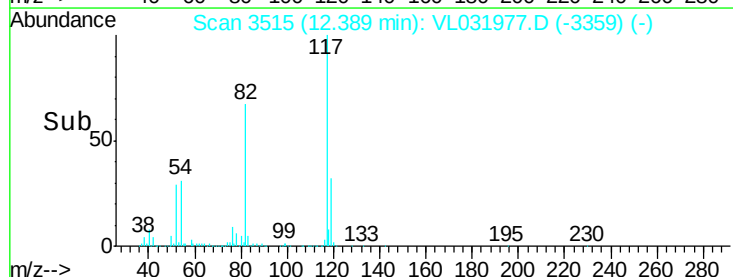
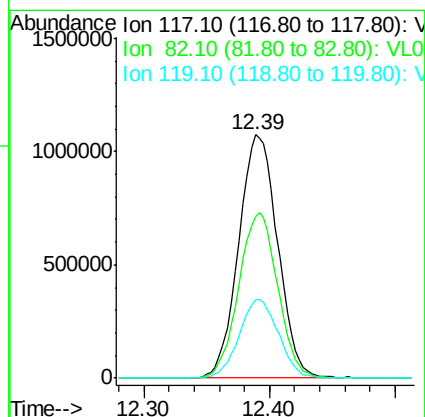
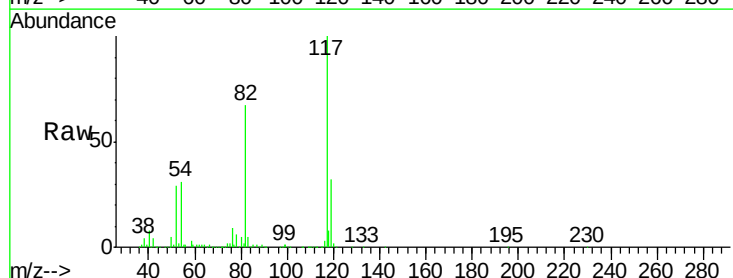
Tgt Ion: 117 Resp: 2324531

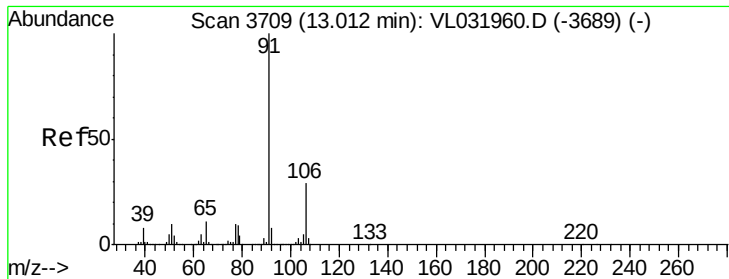
Ion Ratio Lower Upper

117 100

82 68.2 51.6 77.4

119 32.7 44.2 66.4#





#58

Ethyl Benzene

Concen: 0.15 ppbv

RT: 13.02 min Scan# 3710

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

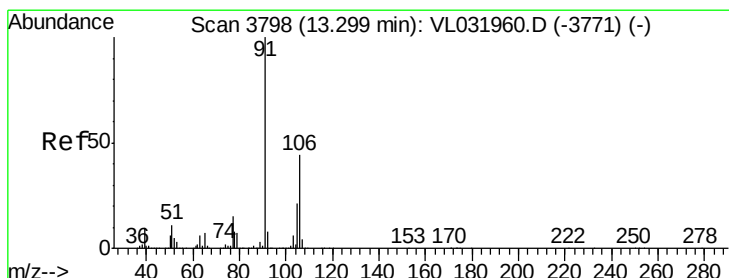
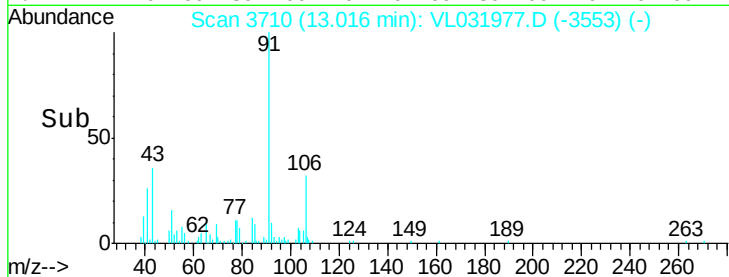
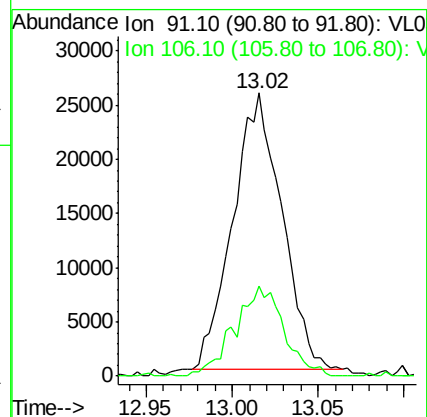
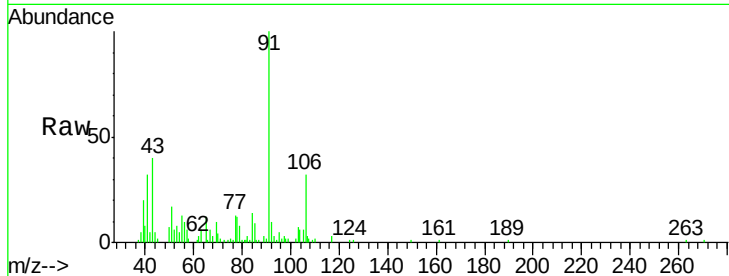
SG2

Tgt Ion: 91 Resp: 50732

Ion Ratio Lower Upper

91 100

106 32.6 23.4 35.2



#59

m/p-Xylene

Concen: 0.11 ppbv

RT: 13.30 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VL031977.D

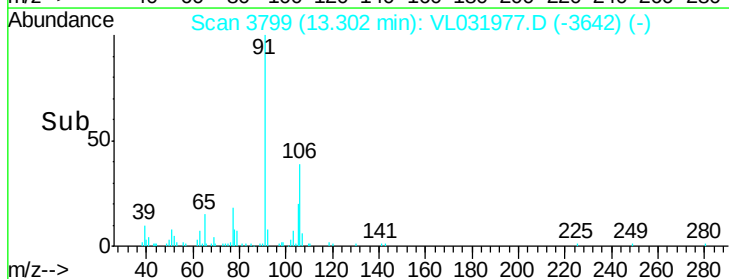
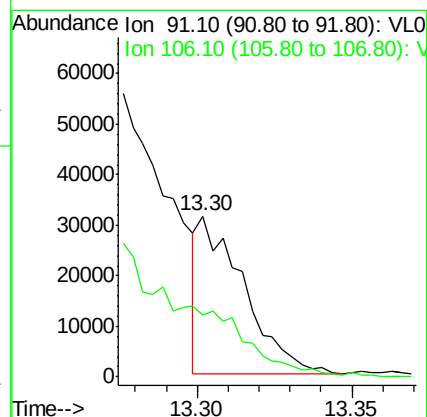
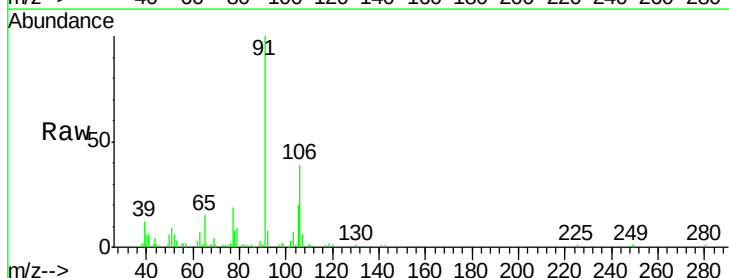
Acq: 4 May 2018 00:43

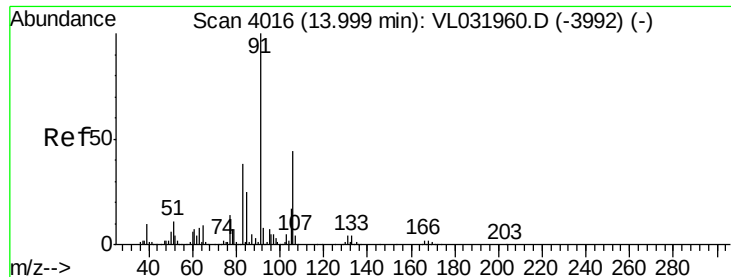
Tgt Ion: 91 Resp: 31634

Ion Ratio Lower Upper

91 100

106 0.0 35.9 53.9#





#60

o-Xylene

Concen: 0.26 ppbv

RT: 14.00 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

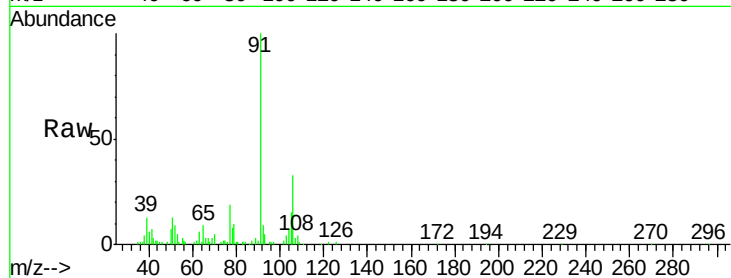
SG2

Tgt Ion: 91 Resp: 73981

Ion Ratio Lower Upper

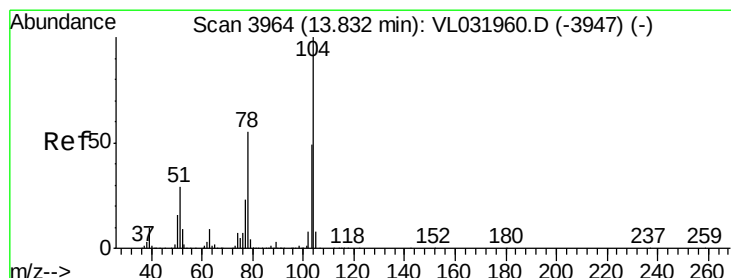
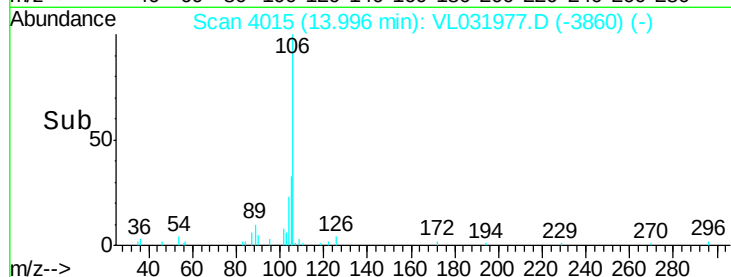
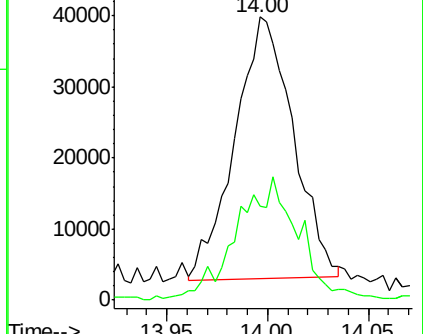
91 100

106 50.6 21.5 64.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.35 ppbv

RT: 13.84 min Scan# 3965

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

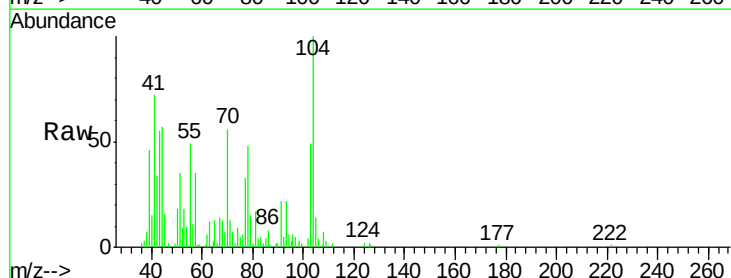
Tgt Ion: 104 Resp: 20232

Ion Ratio Lower Upper

104 100

78 123.7 43.8 65.8#

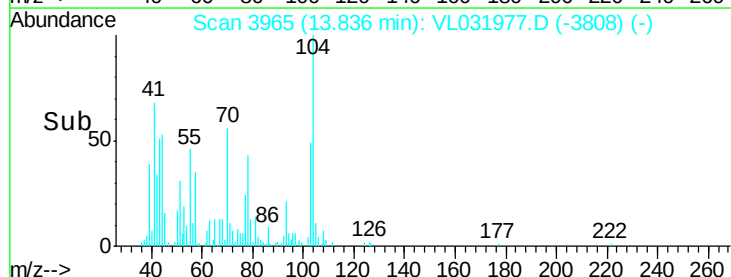
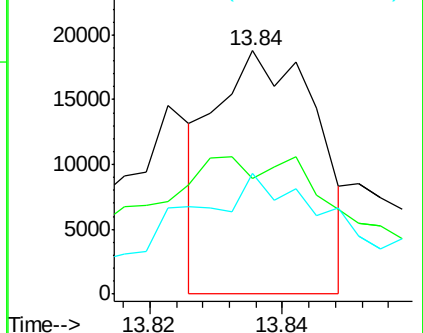
103 95.9 38.4 57.6#

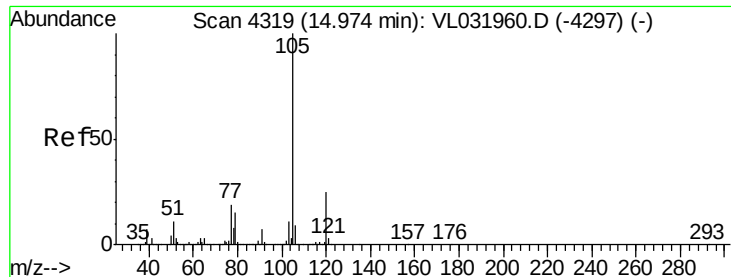


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.02 ppbv

RT: 14.97 min Scan# 4318

Delta R.T. -0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

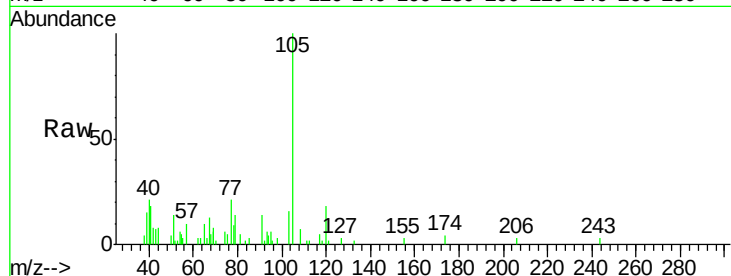
SG2

Tgt Ion:105 Resp: 5843

Ion Ratio Lower Upper

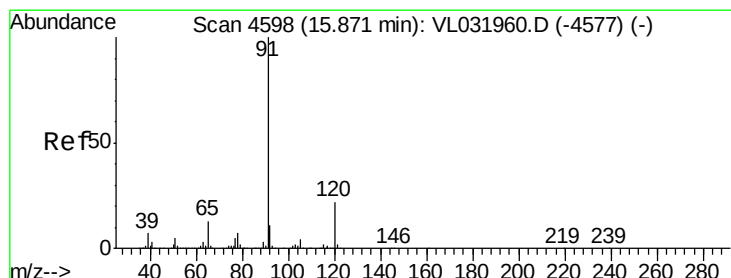
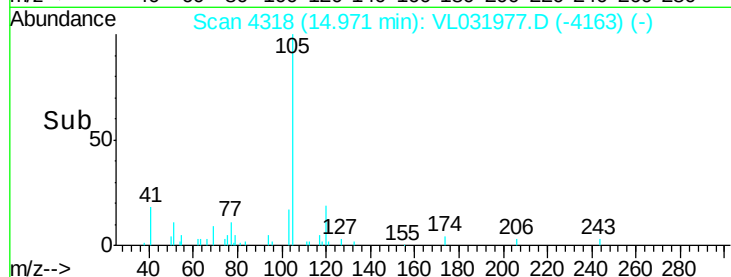
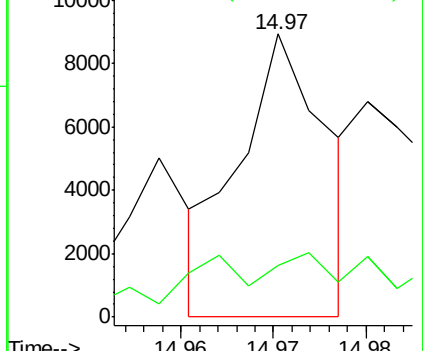
105 100

120 69.5 19.9 29.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.04 ppbv

RT: 15.88 min Scan# 4600

Delta R.T. 0.01 min

Lab File: VL031977.D

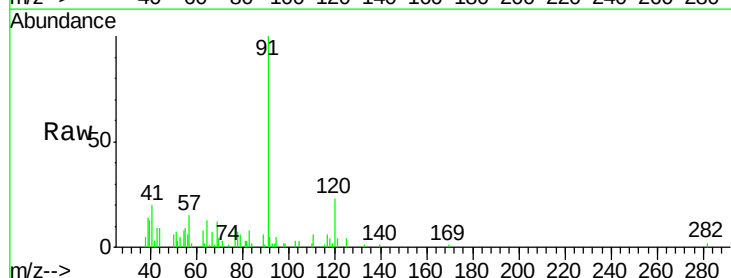
Acq: 4 May 2018 00:43

Tgt Ion:120 Resp: 3475

Ion Ratio Lower Upper

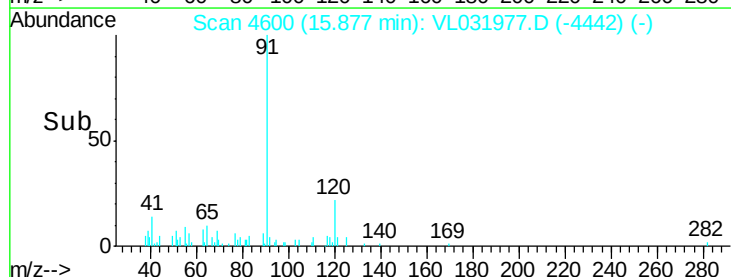
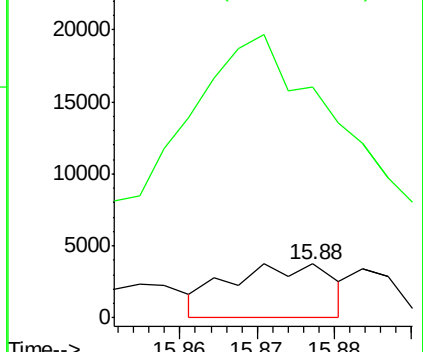
120 100

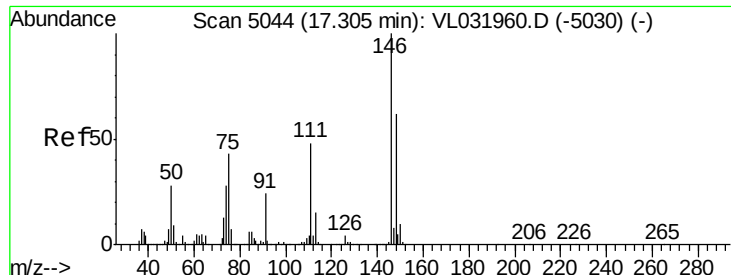
91 1189.4 388.6 583.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

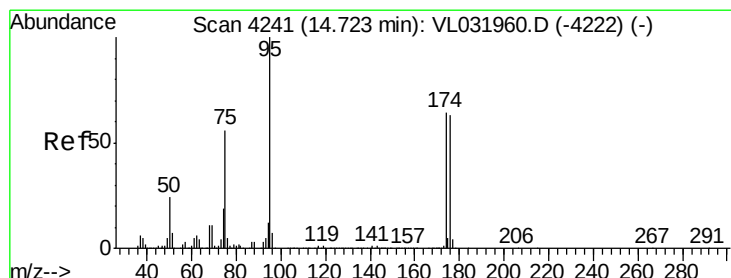
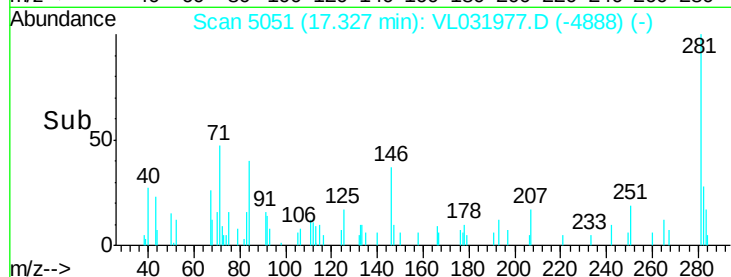
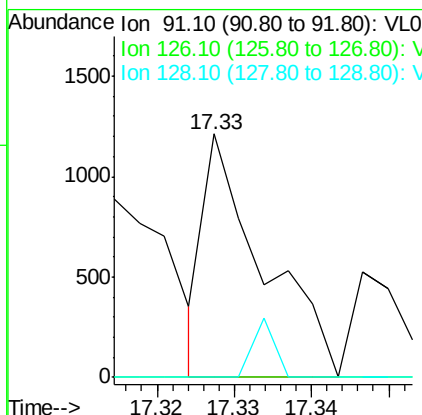
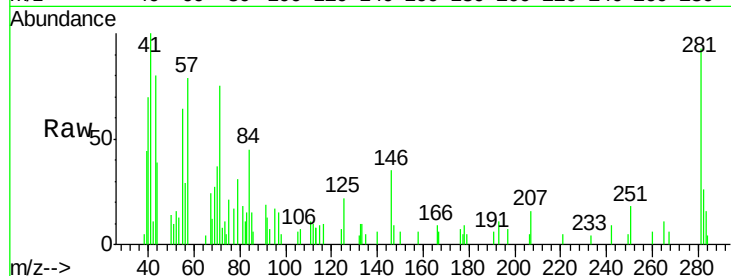




#66
Benzyl Chloride
Concen: 0.02 ppbv
RT: 17.33 min Scan# 5051
Delta R.T. 0.02 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

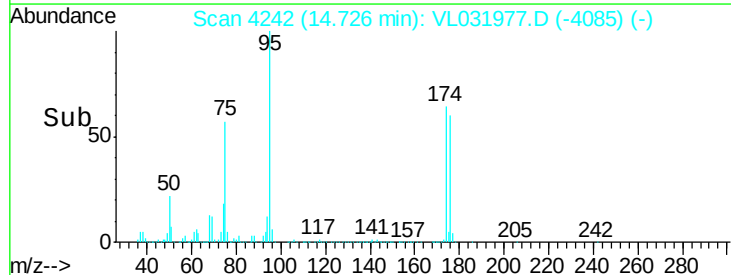
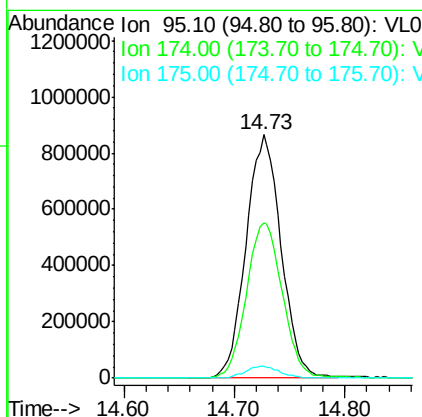
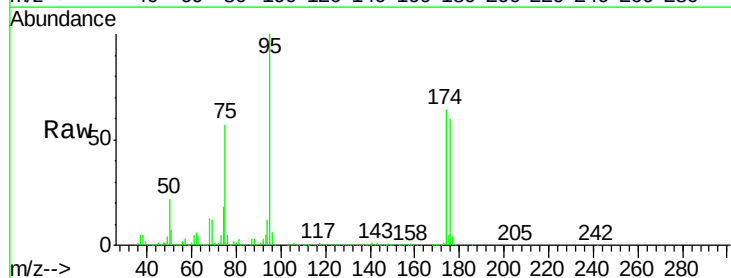
Instrument :
MSVOA_L
ClientSampleId :
SG2

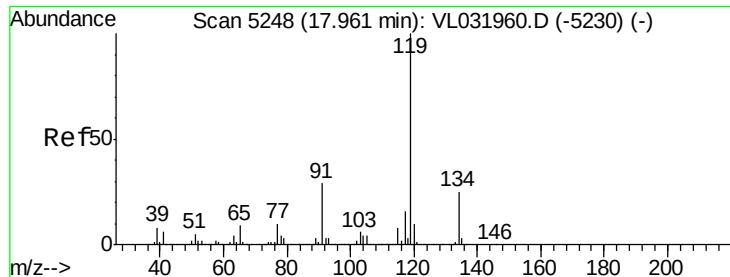
Tgt Ion: 91 Resp: 649
Ion Ratio Lower Upper
91 100
126 0.0 13.4 20.0#
128 0.0 4.6 6.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.57 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. 0.00 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

Tgt Ion: 95 Resp: 1904533
Ion Ratio Lower Upper
95 100
174 66.0 53.0 79.6
175 4.9 3.9 5.9

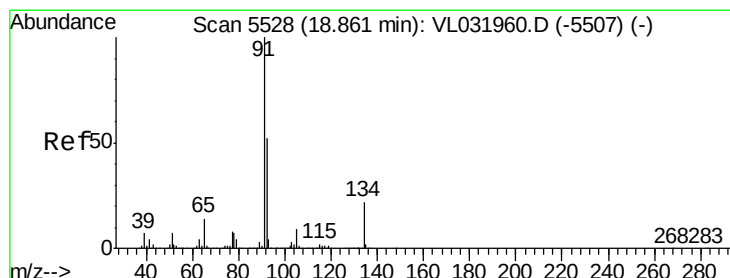
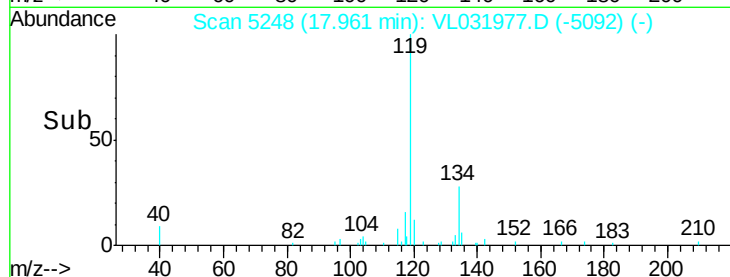
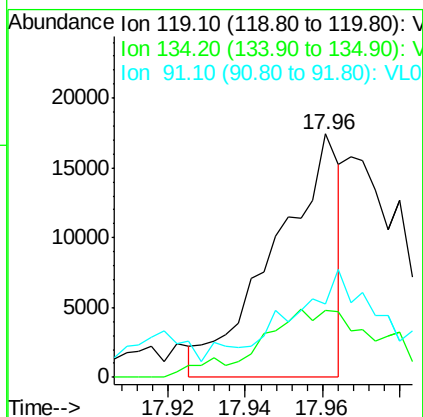
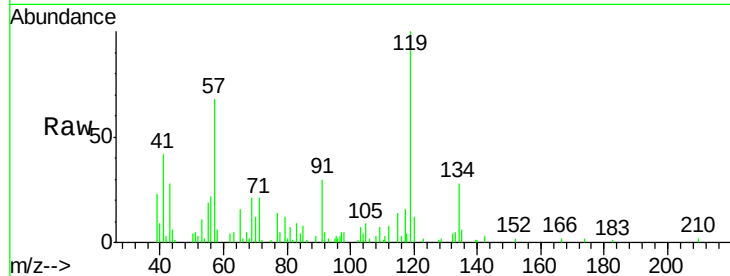




#69
p-Isopropyltoluene
Concen: 0.06 ppbv
RT: 17.96 min Scan# 5248
Delta R.T. 0.00 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

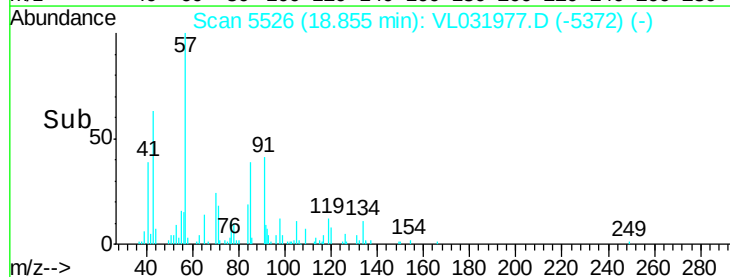
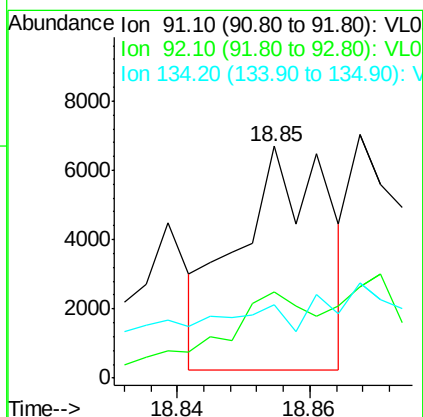
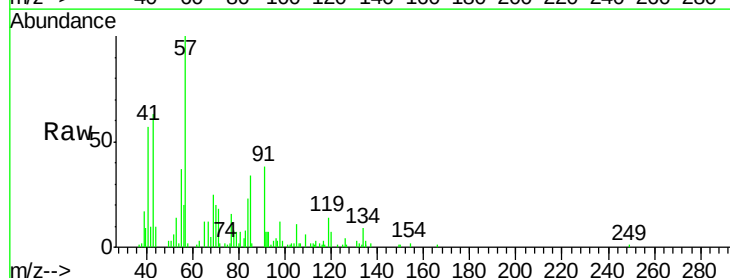
Instrument :
MSVOA_L
ClientSampleId :
SG2

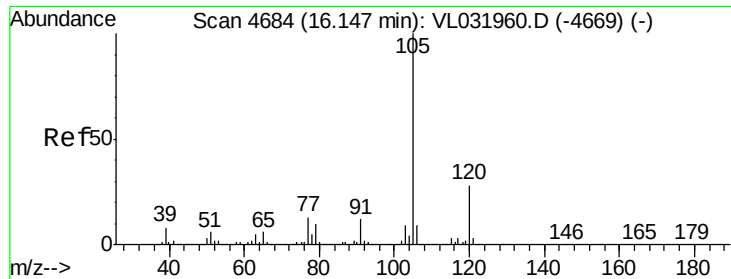
Tgt Ion: 119 Resp: 20215
Ion Ratio Lower Upper
119 100
134 56.1 19.8 29.8#
91 0.0 23.8 35.6#



#70
n-Butylbenzene
Concen: 0.02 ppbv
RT: 18.85 min Scan# 5526
Delta R.T. -0.01 min
Lab File: VL031977.D
Acq: 4 May 2018 00:43

Tgt Ion: 91 Resp: 6034
Ion Ratio Lower Upper
91 100
92 0.0 41.8 62.8#
134 0.0 17.6 26.4#





#72

4-Ethyltoluene

Concen: 0.09 ppbv

RT: 16.15 min Scan# 4684

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

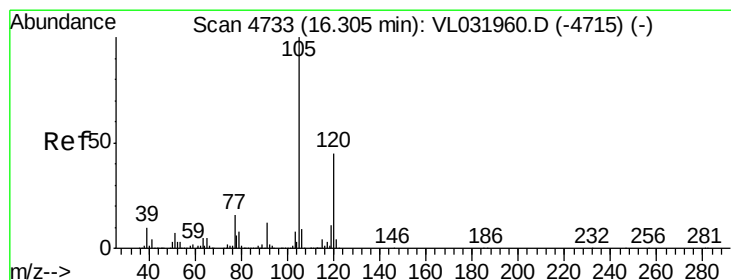
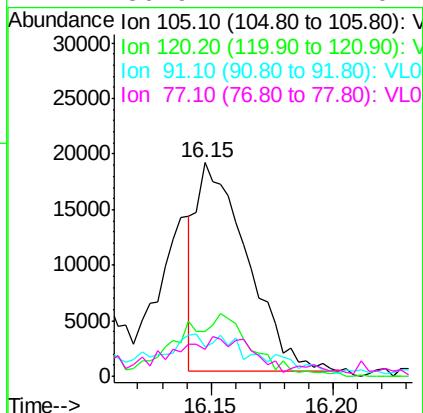
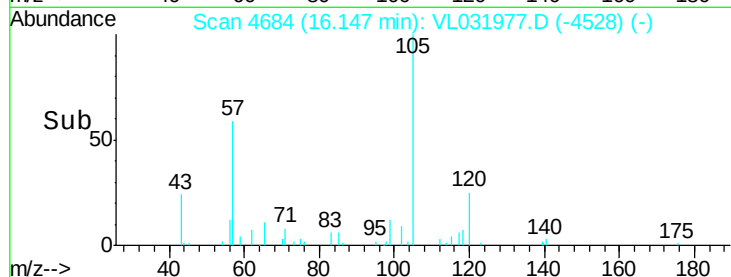
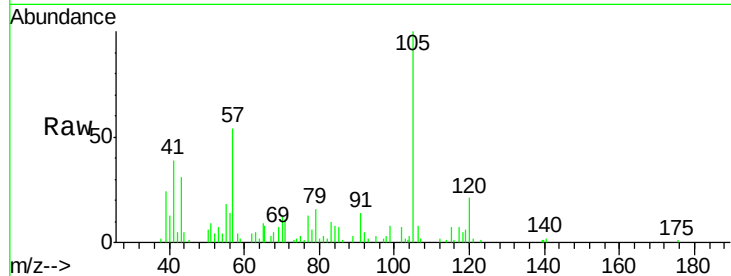
Instrument :

MSVOA_L

ClientSampled :

SG2

Tgt Ion:	105	Resp:	27124
Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.6	33.8#
91	30.3	10.5	15.7#
77	30.9	11.1	16.7#



#73

1,3,5-Trimethylbenzene

Concen: 0.15 ppbv

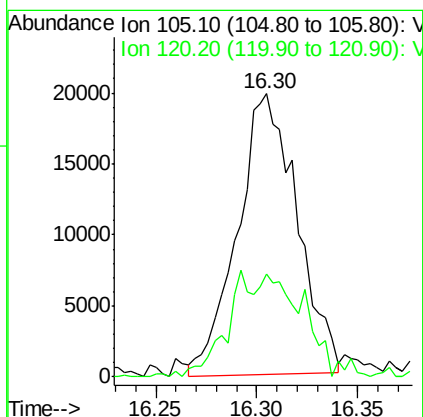
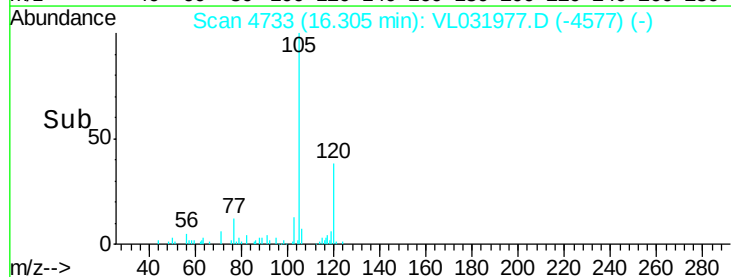
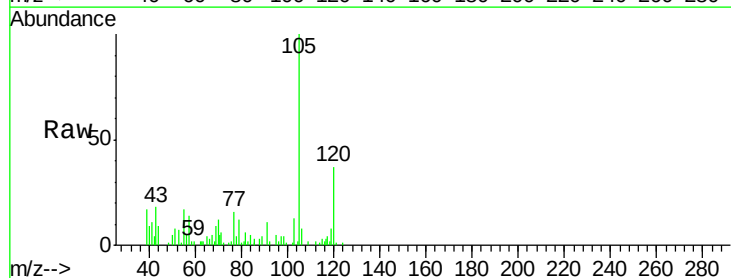
RT: 16.30 min Scan# 4733

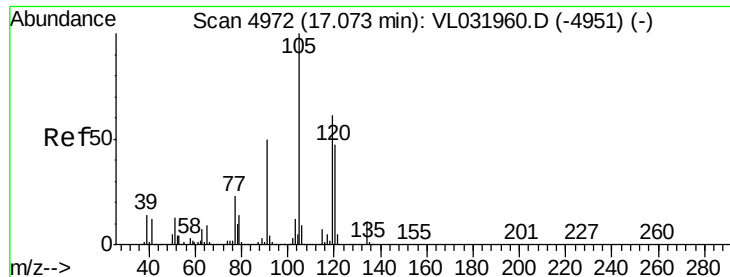
Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Tgt Ion:	105	Resp:	40867
Ion	Ratio	Lower	Upper
105	100		
120	35.1	36.0	54.0#





#74

1,2,4-Trimethylbenzene

Concen: 0.49 ppbv

RT: 17.08 min Scan# 4973

Delta R.T. 0.00 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

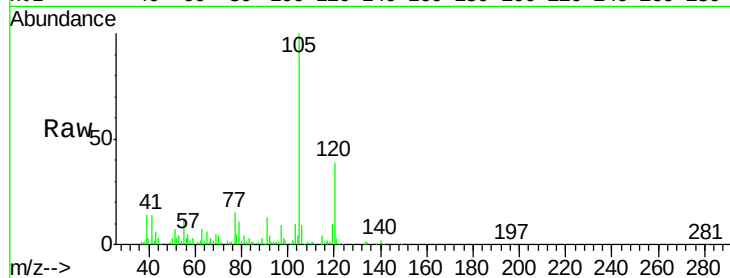
Instrument :

MSVOA_L

ClientSampleId :

SG2

Tgt Ion:	105	Resp:	144410
Ion	Ratio	Lower	Upper
105	100		
120	37.9	37.8	56.6
91	10.8	40.5	60.7#
77	13.2	18.2	27.2#

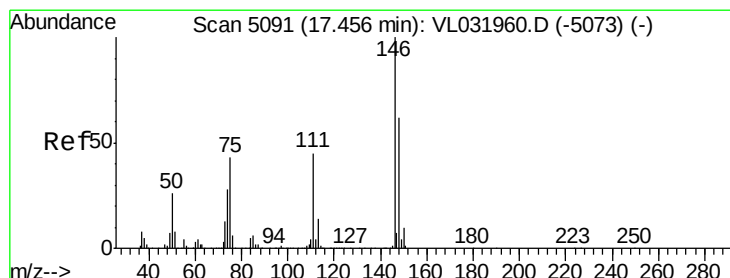
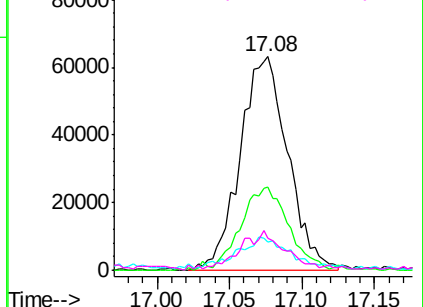
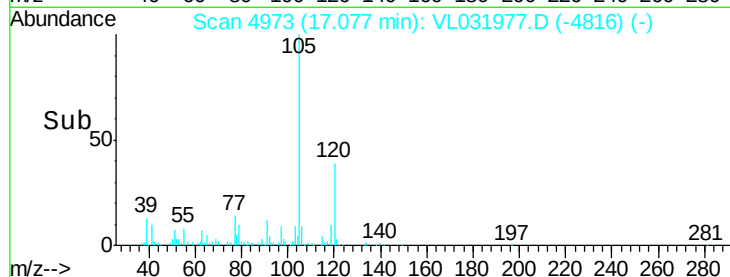


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.01 ppbv

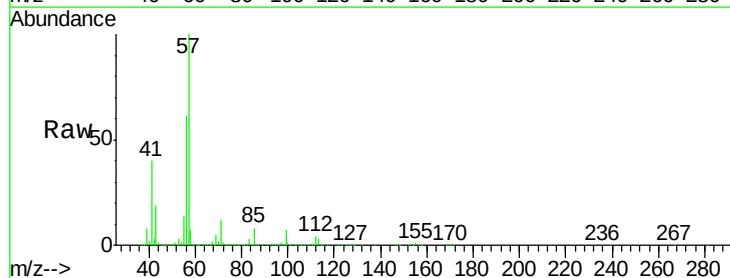
RT: 17.46 min Scan# 5093

Delta R.T. 0.01 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

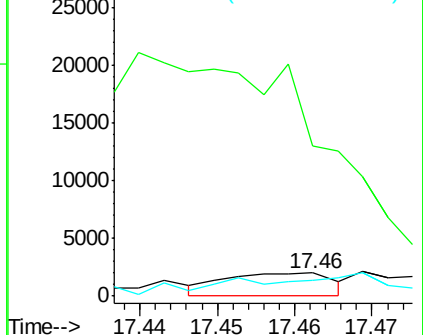
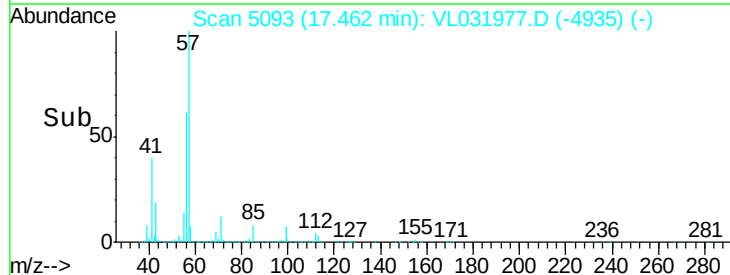
Tgt Ion:	146	Resp:	1948
Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.0	69.0#
148	0.0	32.4	97.2#

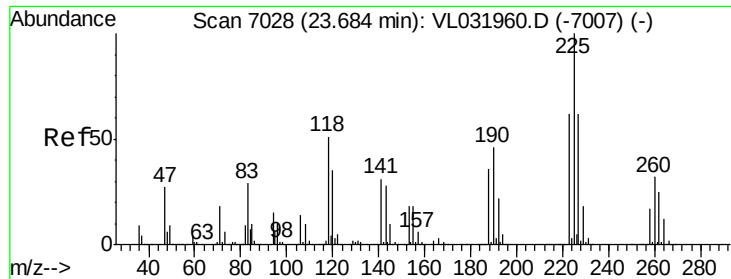


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.01 ppbv

RT: 23.67 min Scan# 7025

Delta R.T. -0.01 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

SG2

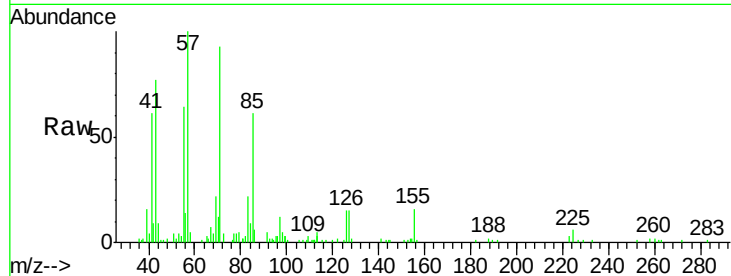
Tgt Ion:225 Resp: 938

Ion Ratio Lower Upper

225 100

223 184.5 50.8 76.2#

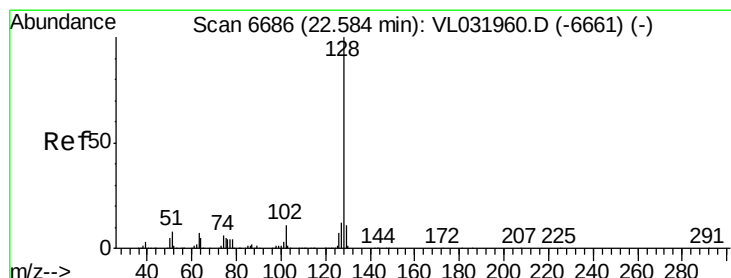
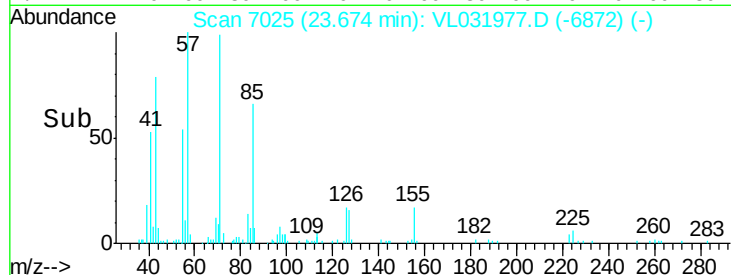
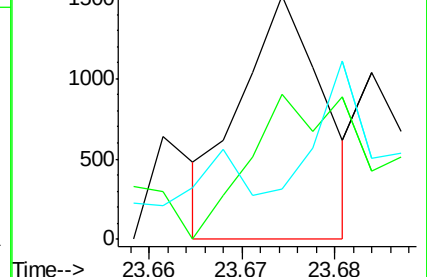
227 144.1 50.9 76.3#



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: 0.01 ppbv

RT: 22.57 min Scan# 6683

Delta R.T. -0.01 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

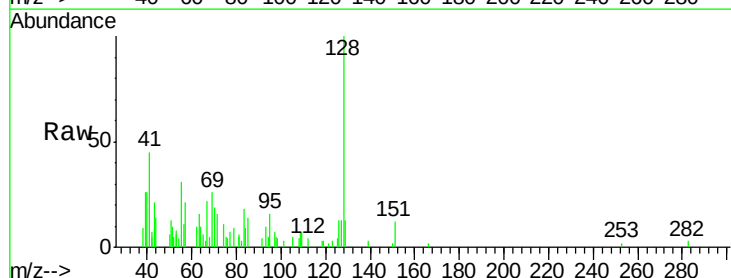
Tgt Ion:128 Resp: 2494

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

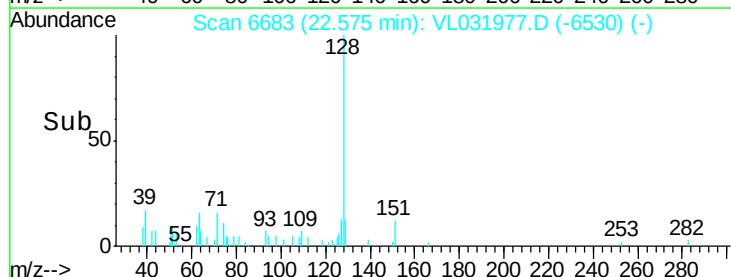
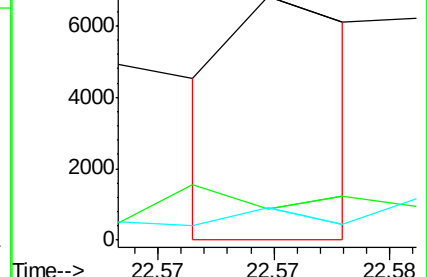
129 21.9 9.0 13.4#

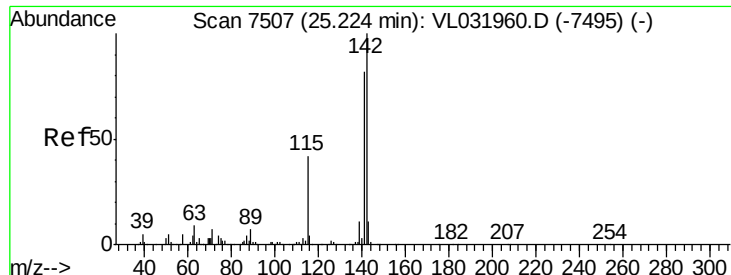


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.08 ppbv

RT: 25.24 min Scan# 7512

Delta R.T. 0.02 min

Lab File: VL031977.D

Acq: 4 May 2018 00:43

Instrument :

MSVOA_L

ClientSampleId :

SG2

Tgt Ion: 142 Resp: 3755

Ion Ratio Lower Upper

142 100

141 75.3 67.9 101.9

115 63.1 33.8 50.8#

