

Data File : VL032727.D

Acq On : 7 Nov 2018 21:39

Operator : SY/AP

Sample : J5823-08

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Quant Time: Nov 08 10:55:49 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018

QLast Update : Thu Oct 25 05:15:43 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1335194	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3340704	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3248090	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2497148	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

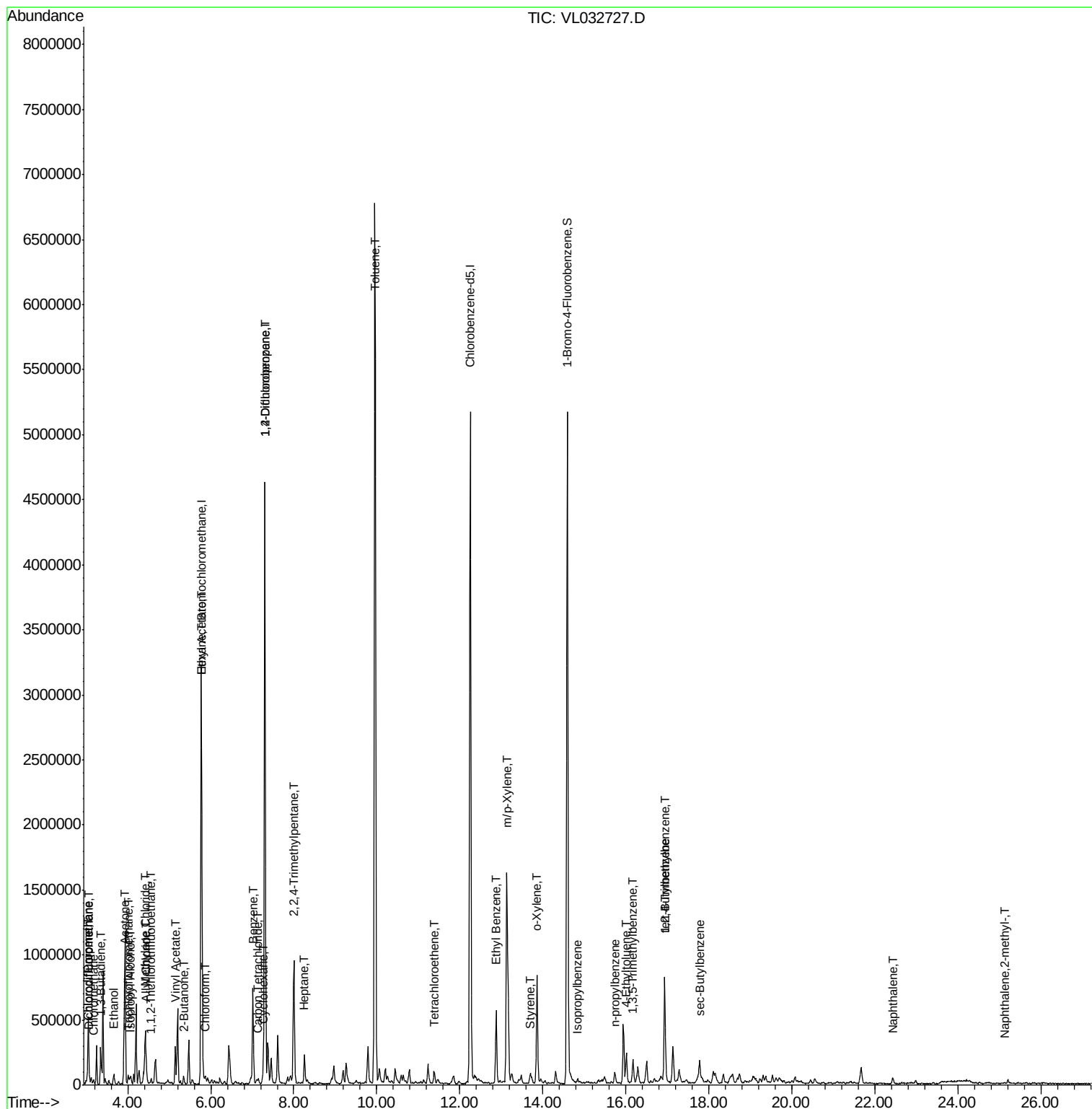
						Qvalue
2) Dichlorodifluoromethane	3.08	85	38326	0.282	ppbv	99
3) Chlorodifluoromethane	3.02	51	62610	0.600	ppbv #	91
4) Chloromethane	3.18	50	27121	0.465	ppbv #	88
9) Propene	3.05	41	191167	4.449	ppbv	93
10) Heptane	8.25	43	70459	0.425	ppbv	97
11) Trichlorofluoromethane	4.01	101	42959	0.242	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	8530	0.058	ppbv #	17
13) Ethanol	3.66	45	90039	7.331	ppbv	96
15) Acetone	3.91	43	504883	4.095	ppbv	97
16) 1,3-Butadiene	3.37	39	22390	0.494	ppbv #	72
19) Isopropyl Alcohol	4.05	45	17799	0.203	ppbv #	93
20) Methylene Chloride	4.42	84	134360	2.147	ppbv	99
21) Allyl Chloride	4.44	41	34639	0.342	ppbv #	35
23) Vinyl Acetate	5.15	43	105958	0.485	ppbv #	1
25) Ethyl Acetate	5.79	43	241742	0.852	ppbv #	82
26) Hexane	5.79	57	311069	2.317	ppbv #	45
29) Chloroform	5.86	83	18597	0.087	ppbv #	78
30) Cyclohexane	7.25	84	8117	0.076	ppbv #	1
34) 2-Butanone	5.35	43	68613	0.383	ppbv	99
35) Carbon Tetrachloride	7.14	117	12596	0.053	ppbv	99
36) Benzene	7.02	78	582640	2.148	ppbv	97
39) 1,2-Dichloropropane	7.30	63	841330	8.031	ppbv #	26
44) 2,2,4-Trimethylpentane	8.00	57	820396	1.772	ppbv #	92
52) Tetrachloroethene	11.38	164	12071	0.128	ppbv #	77
53) Toluene	9.96	91	5258719	16.911	ppbv	99
58) Ethyl Benzene	12.88	91	452458	1.199	ppbv	98
59) m/p-Xylene	13.13	91	1655353	4.926	ppbv	100
60) o-Xylene	13.86	91	612260	1.889	ppbv	97
61) Styrene	13.69	104	18139	0.083	ppbv #	14
62) Isopropylbenzene	14.84	105	20437	0.045	ppbv #	89
64) n-propylbenzene	15.73	120	5747	0.050	ppbv #	1
65) tert-Butylbenzene	16.94	119	63759	0.163	ppbv #	55
67) sec-Butylbenzene	17.78	105	112901	0.203	ppbv #	71
72) 4-Ethyltoluene	16.01	105	156728	0.454	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.17	105	76594	0.228	ppbv	90
74) 1,2,4-Trimethylbenzene	16.94	105	564324	1.572	ppbv #	77
79) Naphthalene	22.42	128	17293	0.077	ppbv #	96
80) Naphthalene,2-methyl-	25.12	142	2896	0.053	ppbv	91

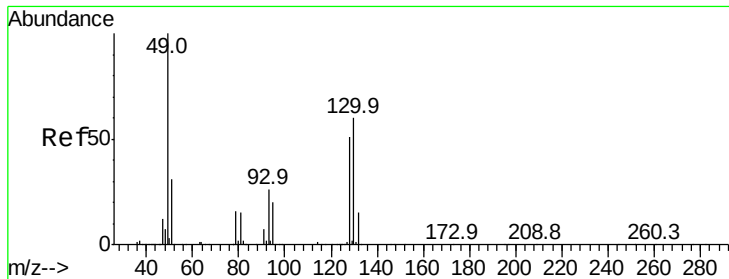
(#)=qualifier out of range (m)=manual integration (+)=signals summed

Data File : VL032727.D
Acq On : 7 Nov 2018 21:39
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Instrument :
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SV-02

Quant Time: Nov 08 10:55:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

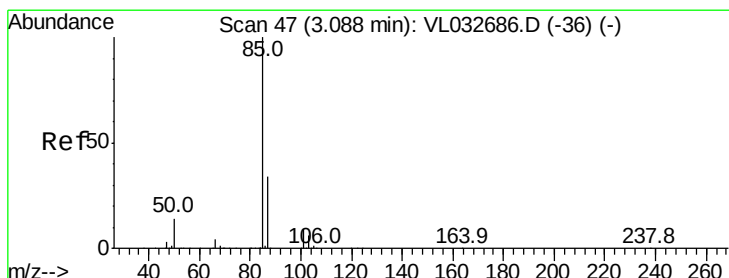
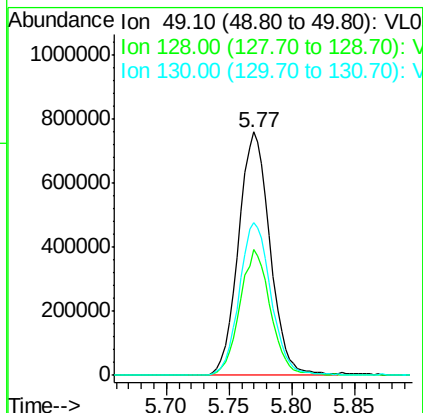
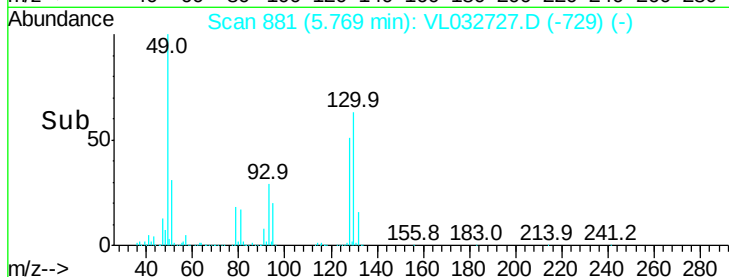
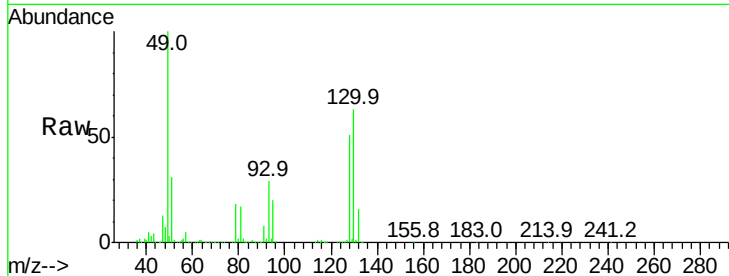




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VL032727.D
 Acq: 7 Nov 2018 21:39

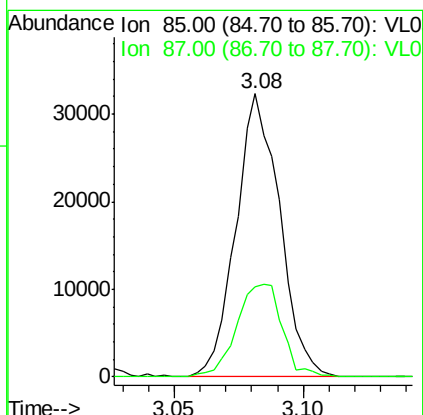
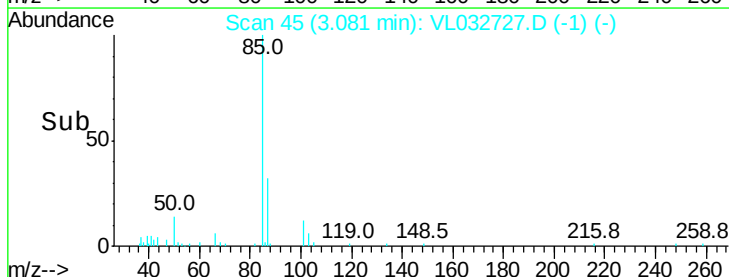
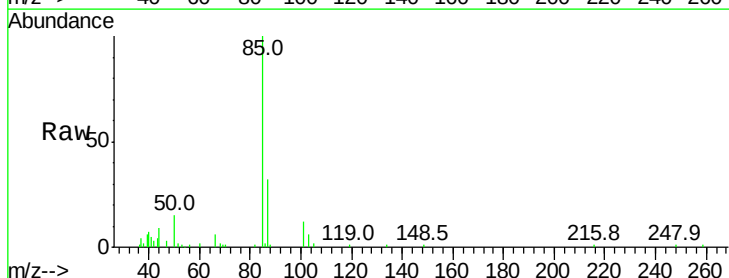
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

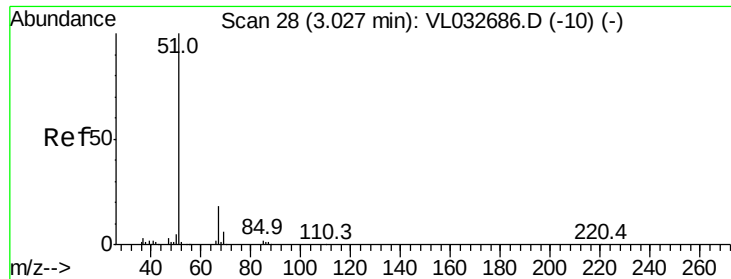
Tgt Ion:	49	Resp:	1335194
Ion	Ratio	Lower	Upper
49	100		
128	50.7	22.3	66.8
130	63.2	28.4	85.3



#2
 Dichlorodifluoromethane
 Concen: 0.282 ppbv
 RT: 3.08 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: VL032727.D
 Acq: 7 Nov 2018 21:39

Tgt Ion:	85	Resp:	38326
Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.2	39.2

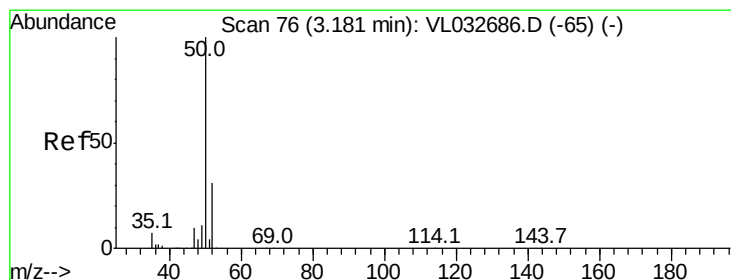
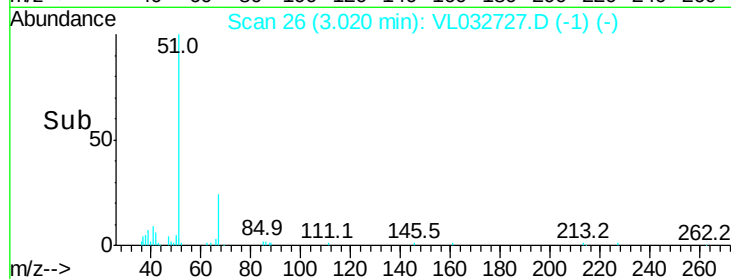
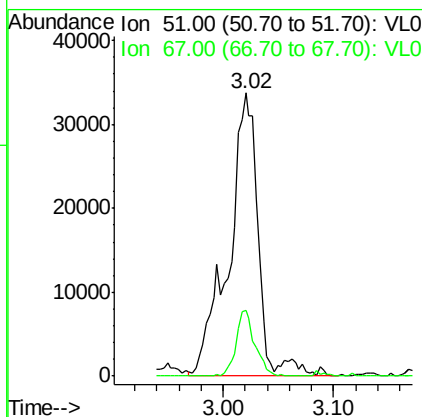
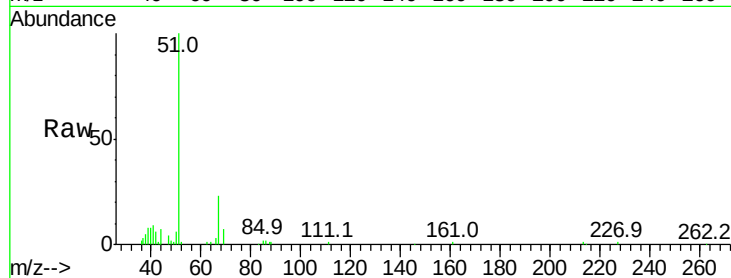




#3
Chlorodifluoromethane
Concen: 0.600 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

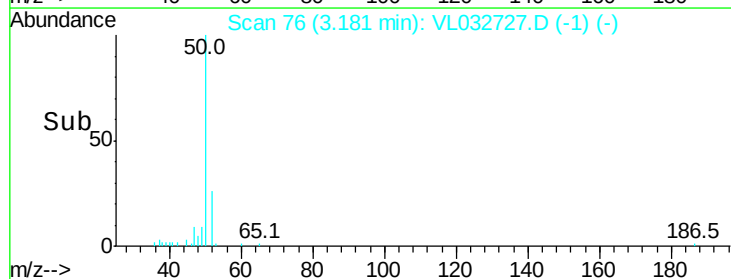
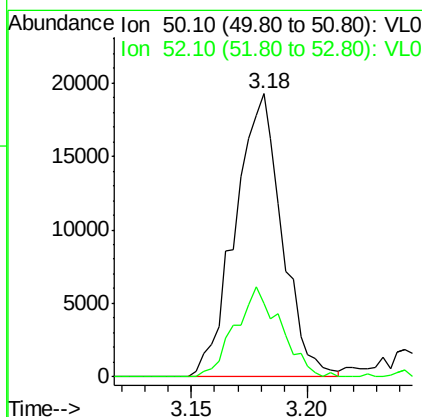
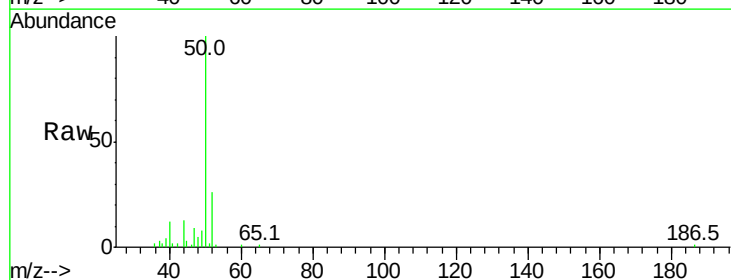
Instrument :
MSVOA_L
ClientSampleId :
SV-02

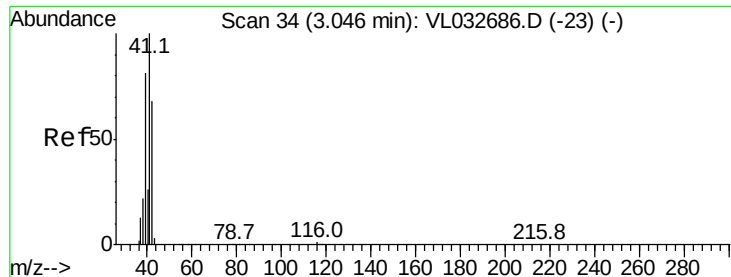
Tgt Ion: 51 Resp: 62610
Ion Ratio Lower Upper
51 100
67 14.8 15.2 22.8#



#4
Chloromethane
Concen: 0.465 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Tgt Ion: 50 Resp: 27121
Ion Ratio Lower Upper
50 100
52 25.8 25.9 38.9#





#9

Propene

Concen: 4.449 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

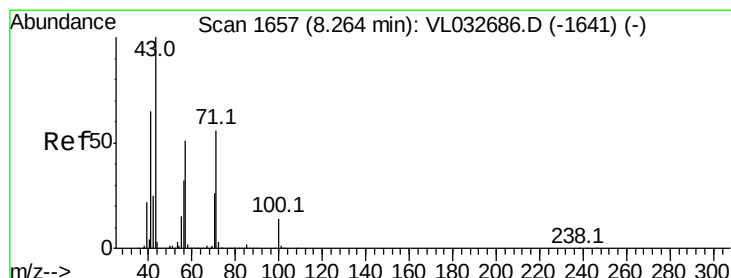
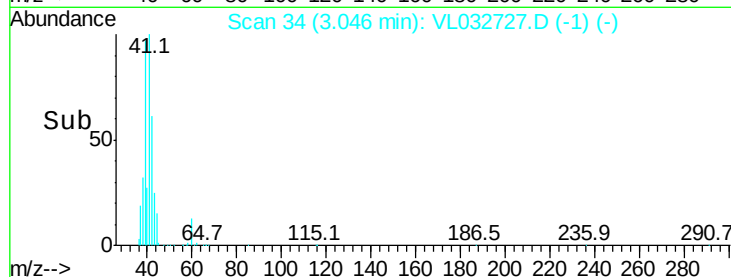
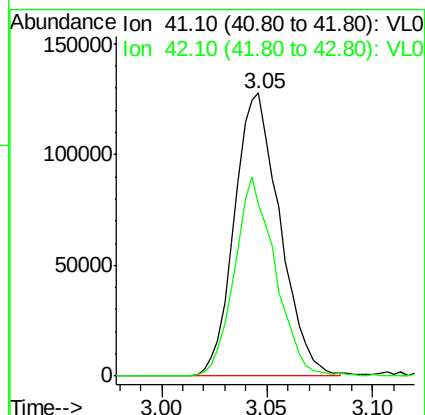
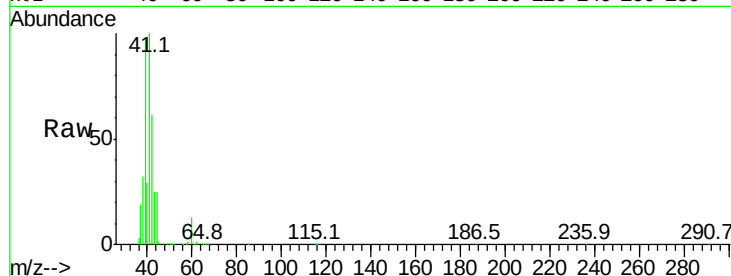
SV-02

Tgt Ion: 41 Resp: 191167

Ion Ratio Lower Upper

41 100

42 63.2 55.4 83.0



#10

Heptane

Concen: 0.425 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL032727.D

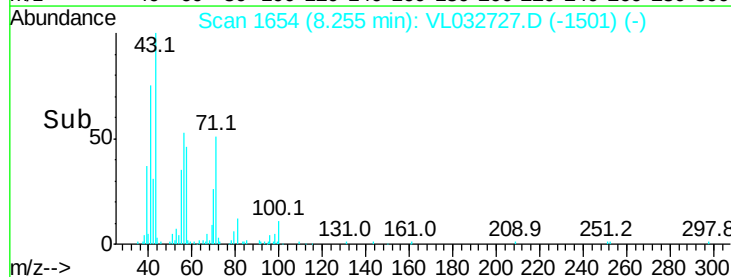
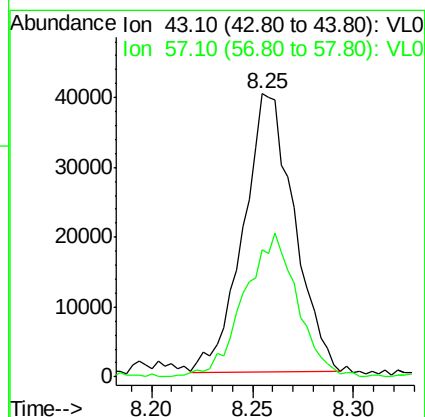
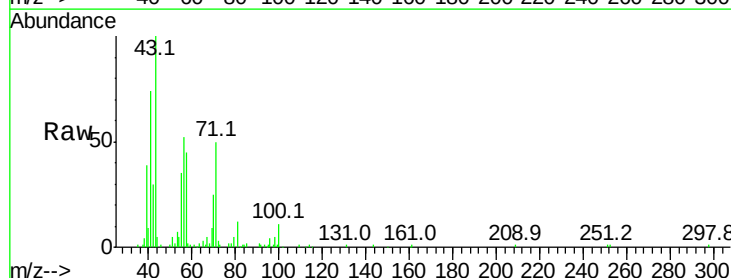
Acq: 7 Nov 2018 21:39

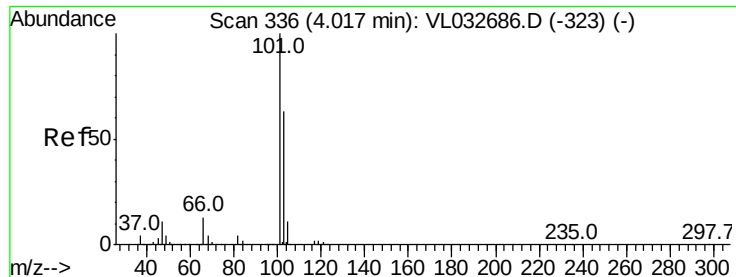
Tgt Ion: 43 Resp: 70459

Ion Ratio Lower Upper

43 100

57 54.2 41.5 62.3





#11

Trichlorofluoromethane

Concen: 0.242 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

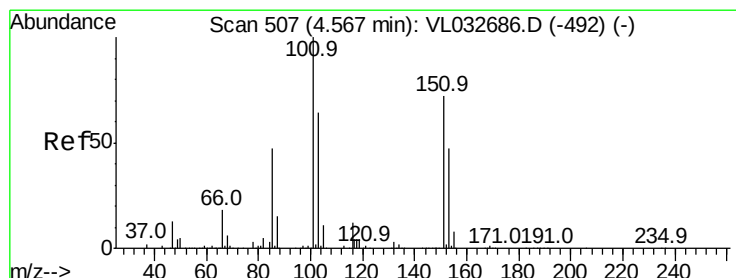
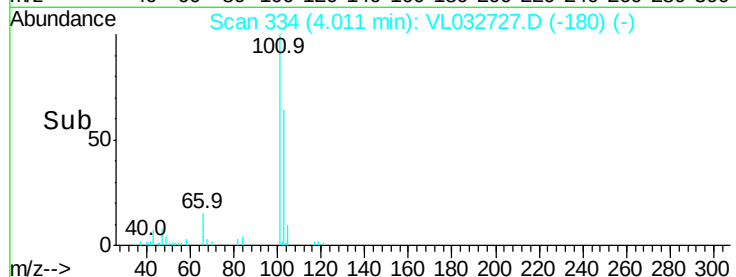
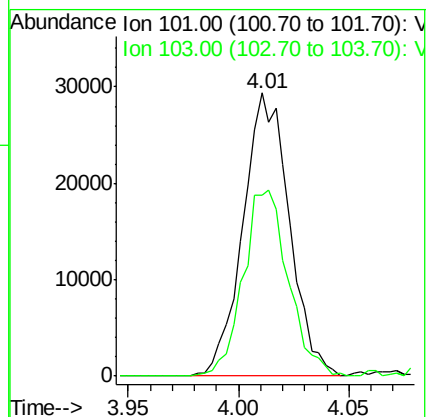
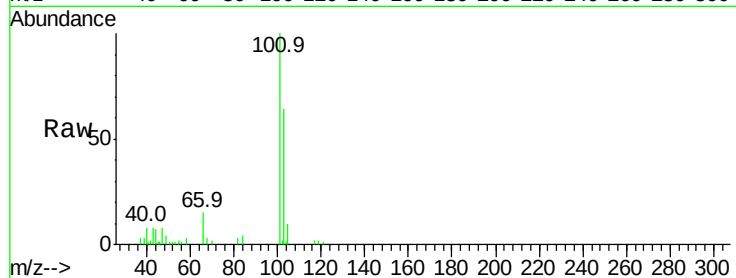
SV-02

Tgt Ion:101 Resp: 42959

Ion Ratio Lower Upper

101 100

103 64.0 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.058 ppbv

RT: 4.56 min Scan# 504

Delta R.T. -0.01 min

Lab File: VL032727.D

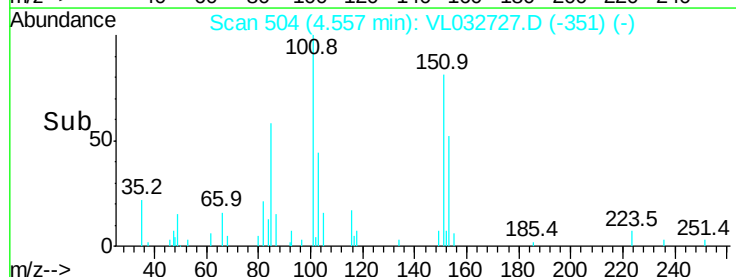
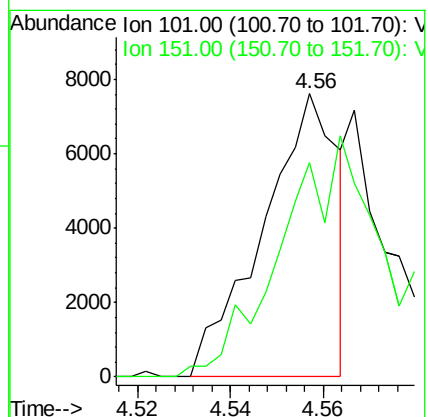
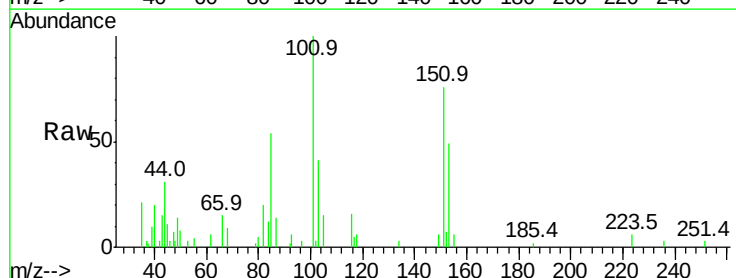
Acq: 7 Nov 2018 21:39

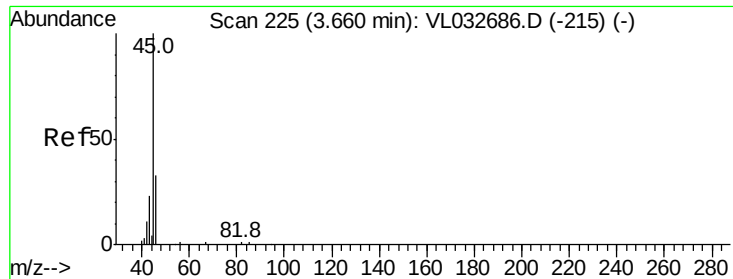
Tgt Ion:101 Resp: 8530

Ion Ratio Lower Upper

101 100

151 0.0 52.3 78.5#

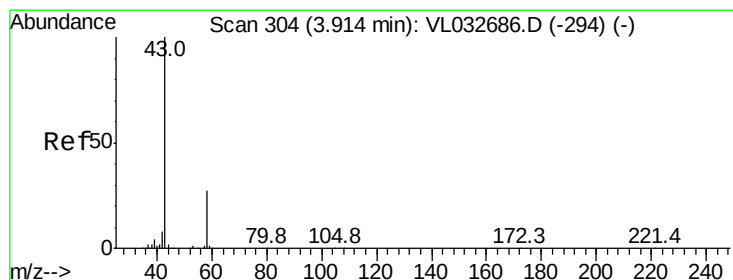
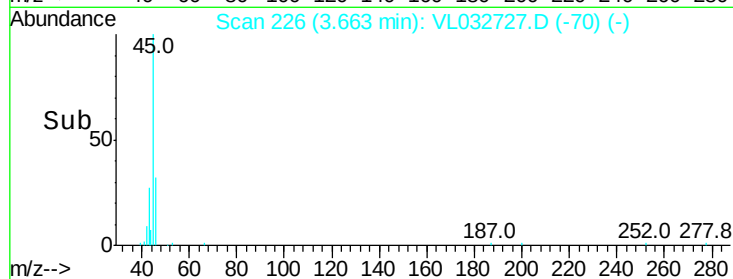
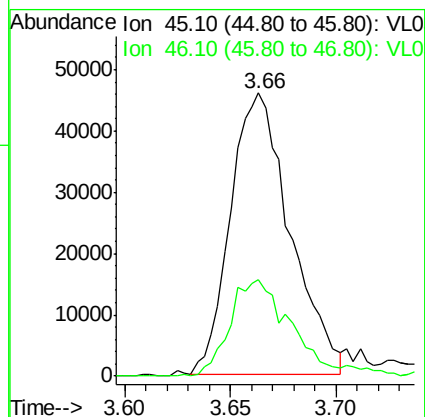
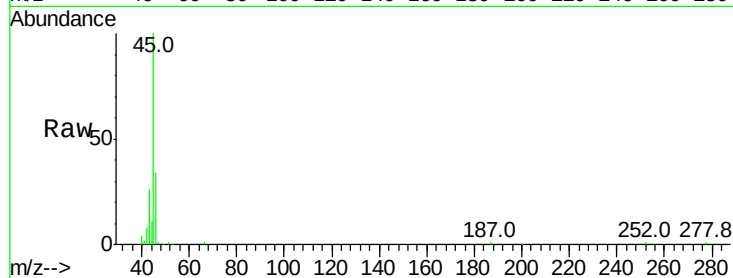




#13
Ethanol
Concen: 7.331 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

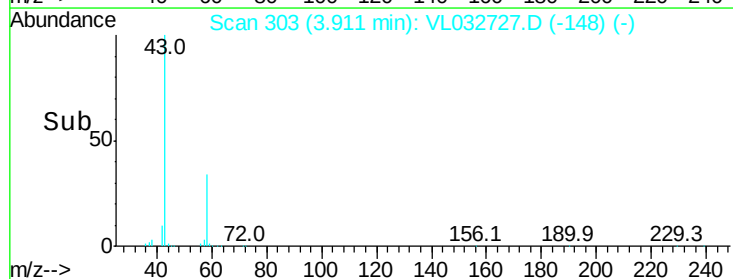
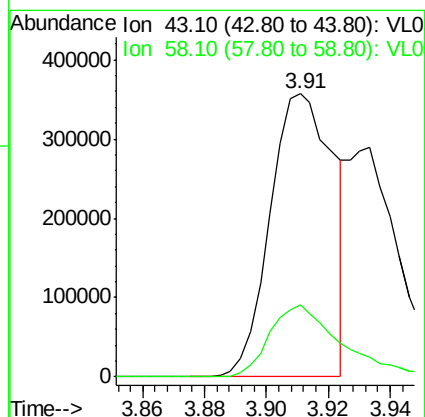
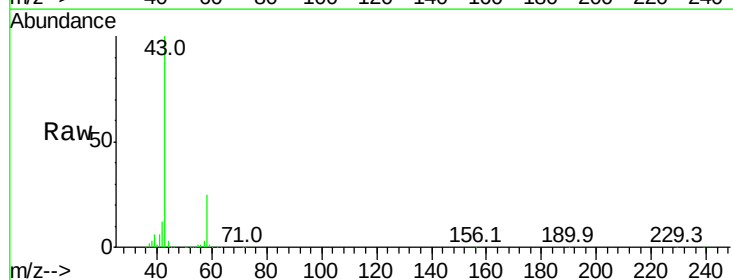
Instrument :
MSVOA_L
ClientSampleId :
SV-02

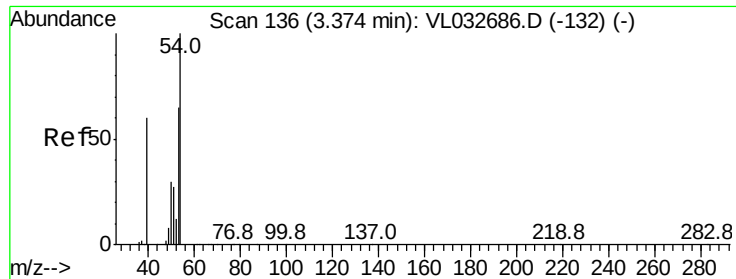
Tgt Ion: 45 Resp: 90039
Ion Ratio Lower Upper
45 100
46 36.2 15.4 61.8



#15
Acetone
Concen: 4.095 ppbv
RT: 3.91 min Scan# 303
Delta R.T. -0.00 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Tgt Ion: 43 Resp: 504883
Ion Ratio Lower Upper
43 100
58 29.3 22.1 33.1





#16

1,3-Butadiene

Concen: 0.494 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

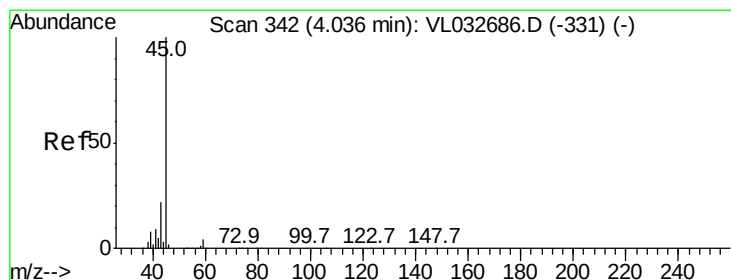
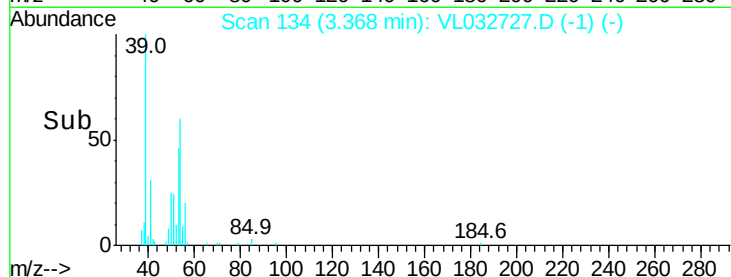
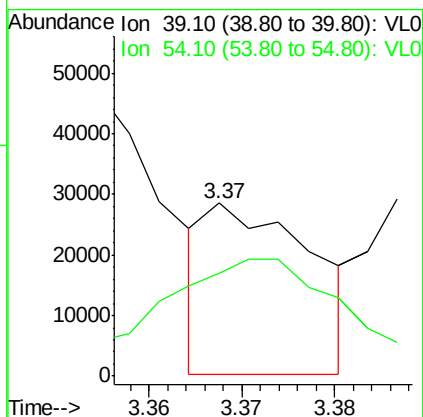
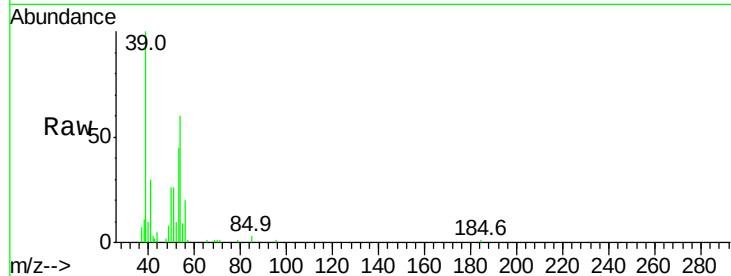
SV-02

Tgt Ion: 39 Resp: 22390

Ion Ratio Lower Upper

39 100

54 143.3 90.4 135.6#



#19

Isopropyl Alcohol

Concen: 0.203 ppbv

RT: 4.05 min Scan# 347

Delta R.T. 0.02 min

Lab File: VL032727.D

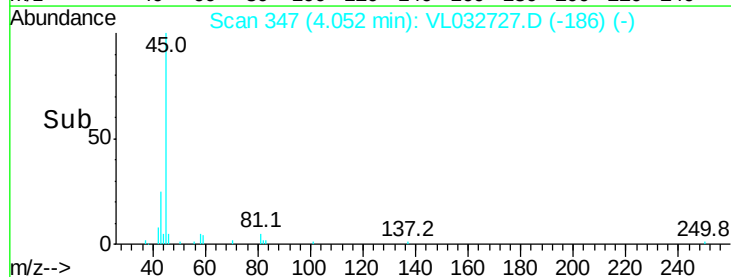
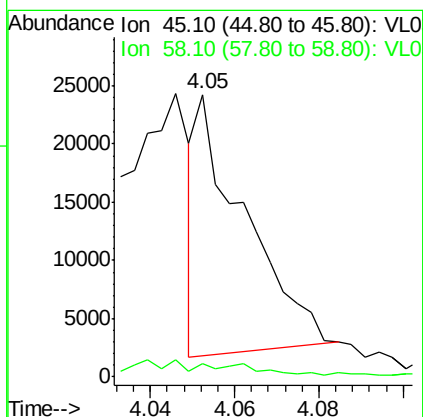
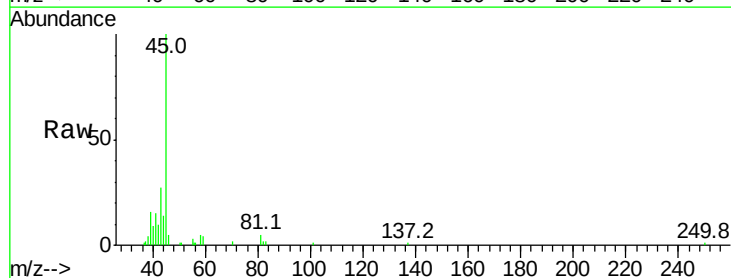
Acq: 7 Nov 2018 21:39

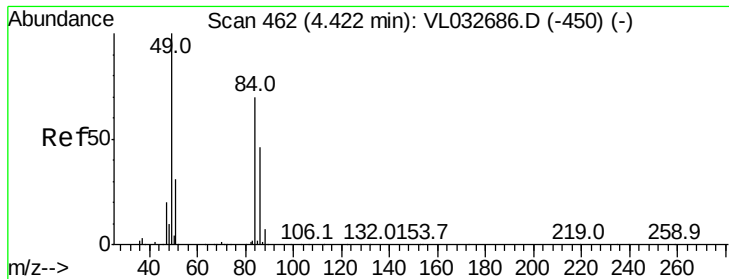
Tgt Ion: 45 Resp: 17799

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

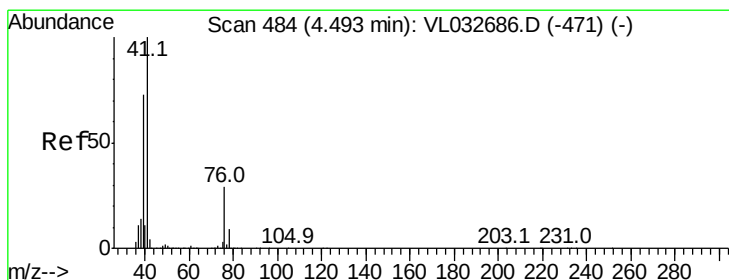
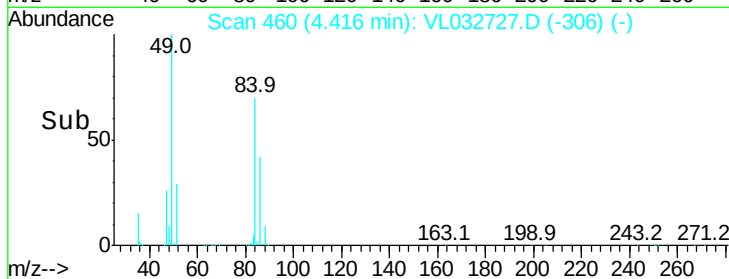
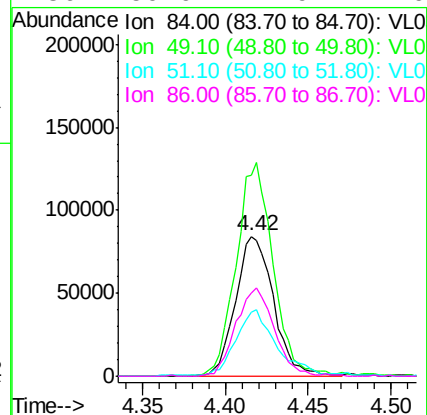
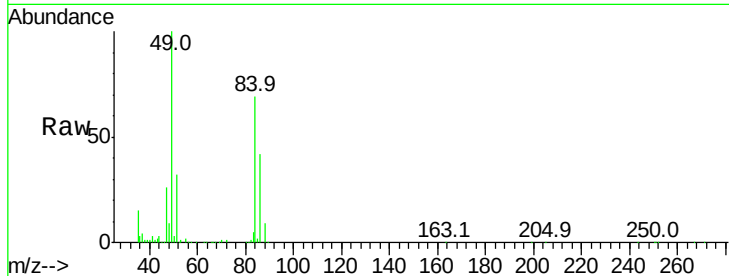




#20
Methylene Chloride
Concen: 2.147 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

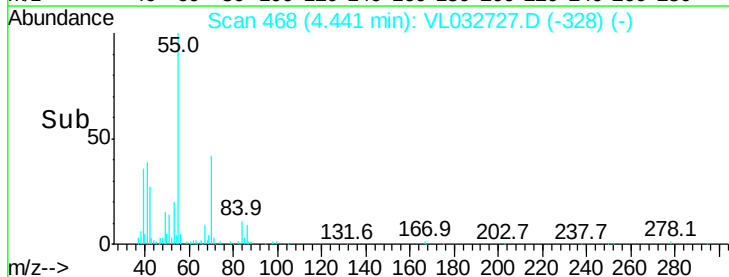
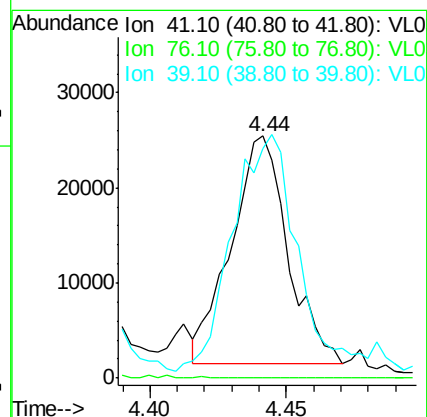
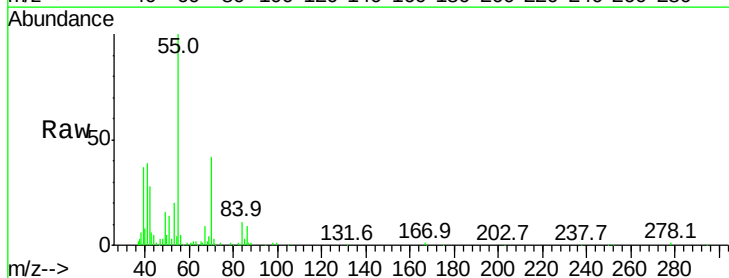
Instrument :
MSVOA_L
ClientSampleId :
SV-02

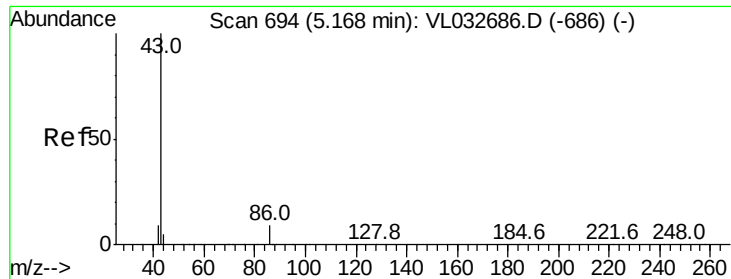
Tgt Ion:	84	Resp:	134360
Ion	Ratio	Lower	Upper
84	100		
49	143.7	113.5	170.3
51	44.6	34.8	52.2
86	59.9	47.9	71.9



#21
Allyl Chloride
Concen: 0.342 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.05 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Tgt Ion:	41	Resp:	34639
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	134.5	60.3	90.5#





#23

Vinyl Acetate

Concen: 0.485 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-02

Tgt Ion: 43 Resp: 105958

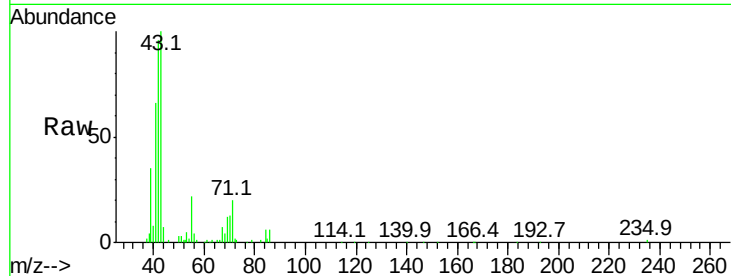
Ion Ratio Lower Upper

43 100

86 5.9 6.1 9.1#

42 95.3 7.4 11.2#

44 3.7 4.2 6.2#

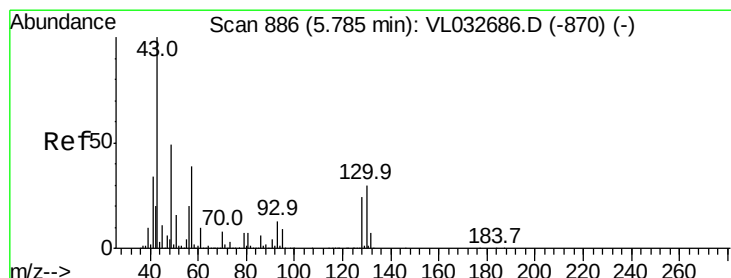
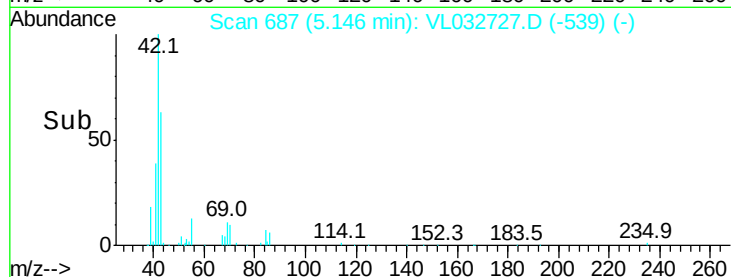
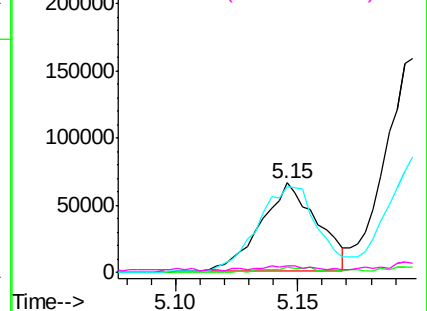


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.852 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Tgt Ion: 43 Resp: 241742

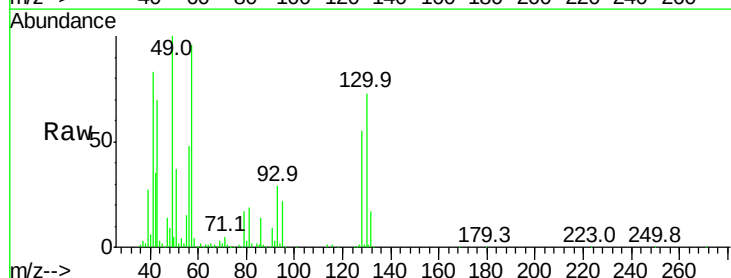
Ion Ratio Lower Upper

43 100

45 3.2 8.0 12.0#

61 2.2 8.0 12.0#

70 2.9 5.9 8.9#

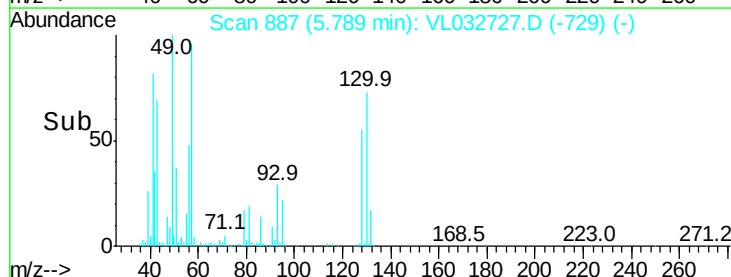
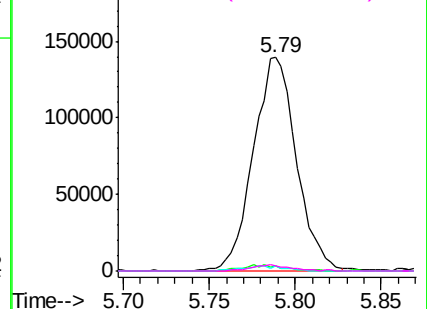


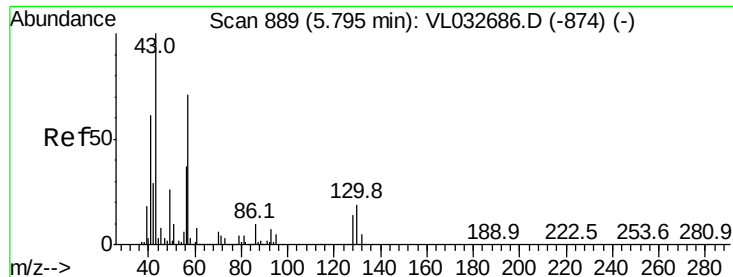
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.317 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.00 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-02

Tgt Ion: 57 Resp: 311069

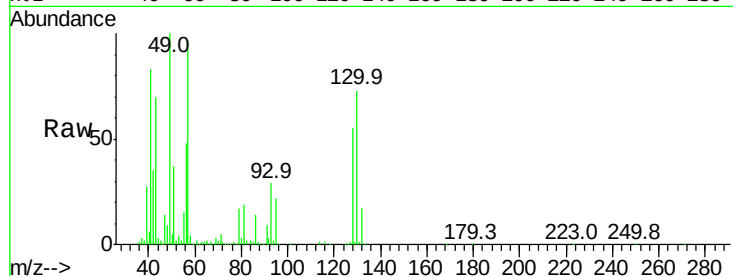
Ion Ratio Lower Upper

57 100

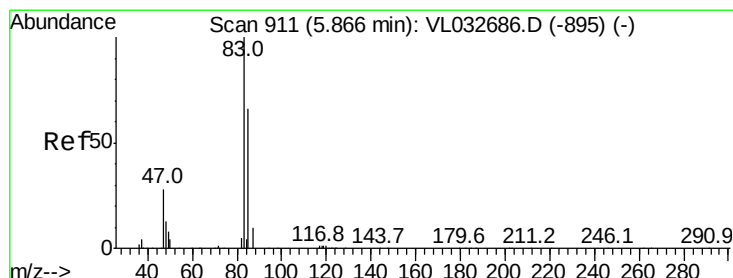
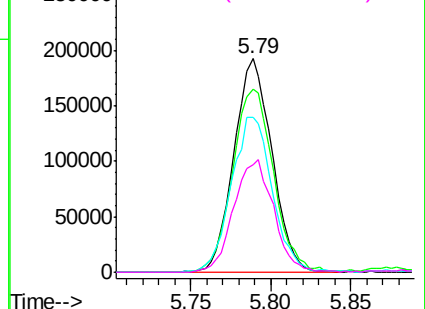
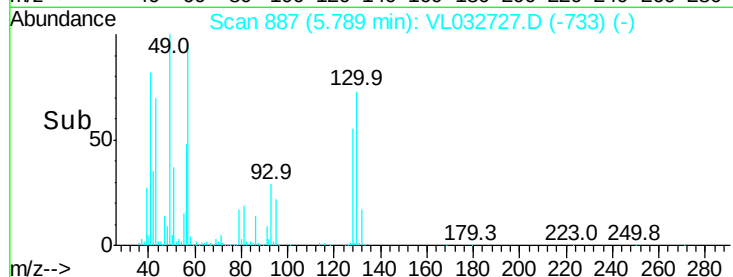
41 92.6 67.4 101.0

43 78.3 171.9 257.9#

56 54.8 42.6 63.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
 300000 Ion 41.10 (40.80 to 41.80): VL0
 250000 Ion 43.10 (42.80 to 43.80): VL0
 200000 Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.087 ppbv

RT: 5.86 min Scan# 908

Delta R.T. -0.01 min

Lab File: VL032727.D

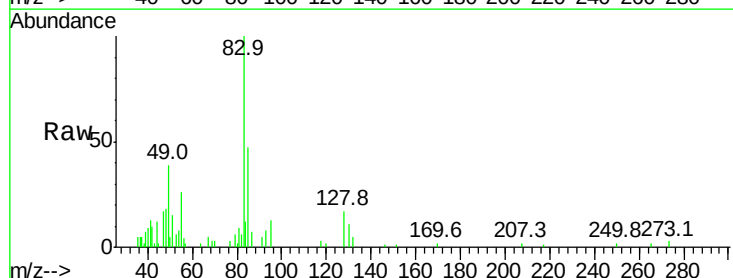
Acq: 7 Nov 2018 21:39

Tgt Ion: 83 Resp: 18597

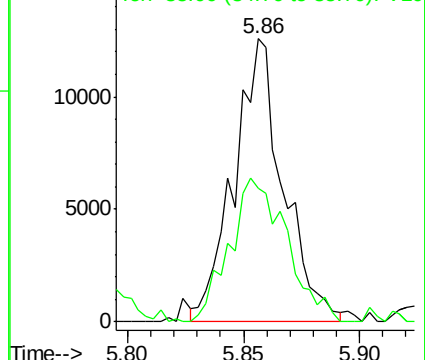
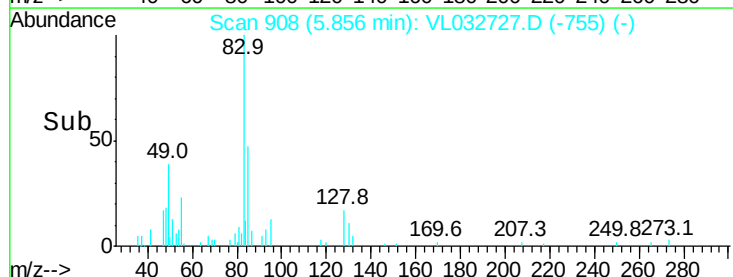
Ion Ratio Lower Upper

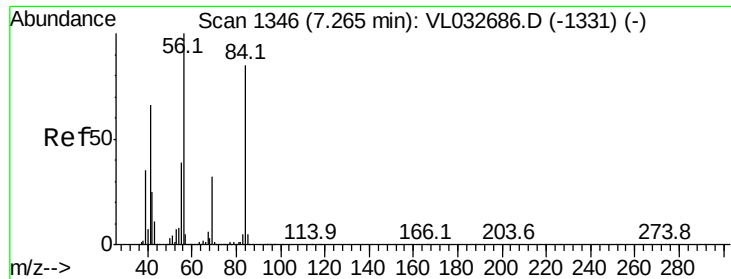
83 100

85 49.1 53.0 79.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0
 15000 Ion 85.00 (84.70 to 85.70): VL0

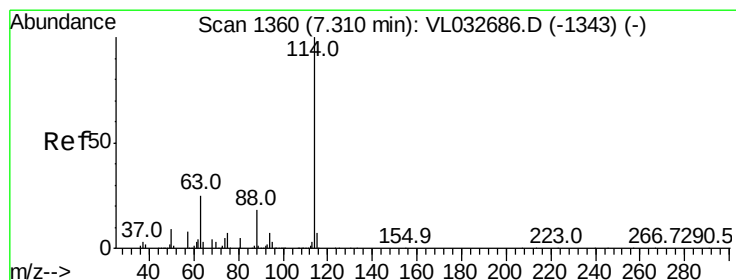
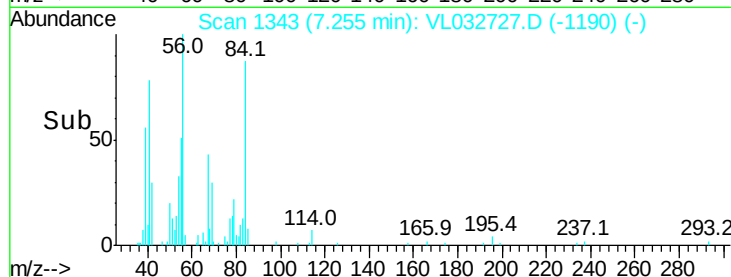
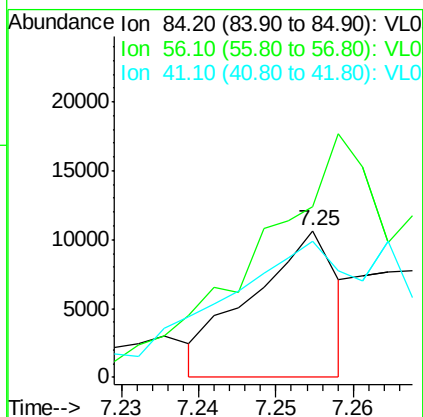
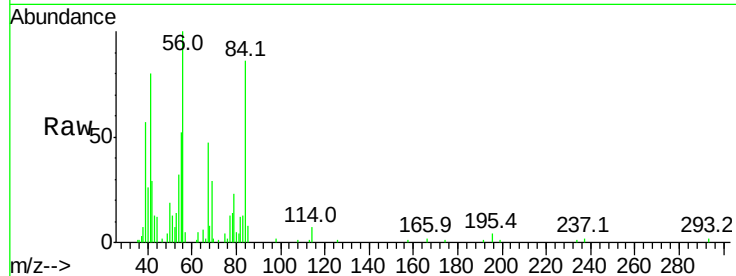




#30
Cyclohexane
Concen: 0.076 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

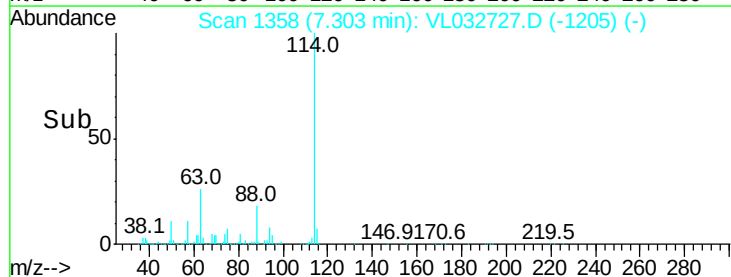
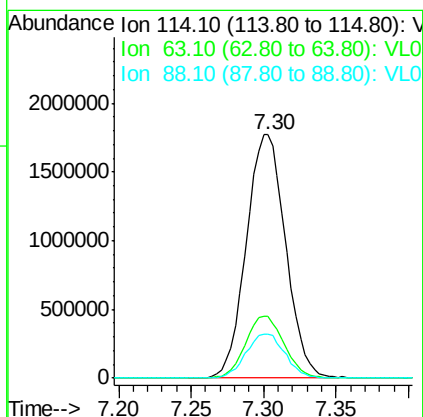
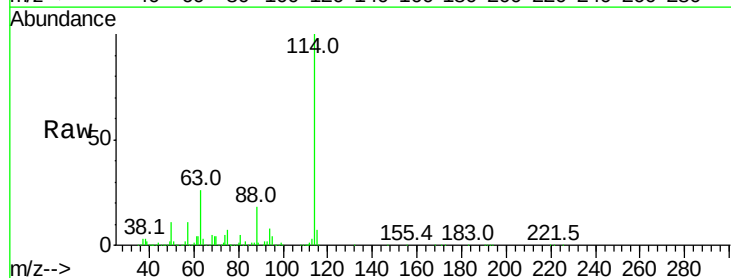
Instrument :
MSVOA_L
ClientSampleId :
SV-02

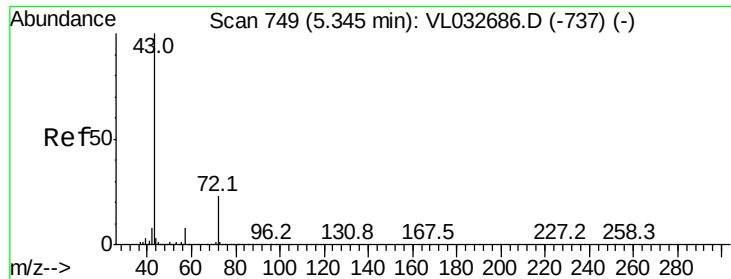
Tgt Ion: 84 Resp: 8117
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 0.0 64.8 97.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Tgt Ion: 114 Resp: 3340704
Ion Ratio Lower Upper
114 100
63 25.3 21.7 32.5
88 18.1 14.9 22.3





#34

2-Butanone

Concen: 0.383 ppbv

RT: 5.35 min Scan# 750

Delta R.T. 0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

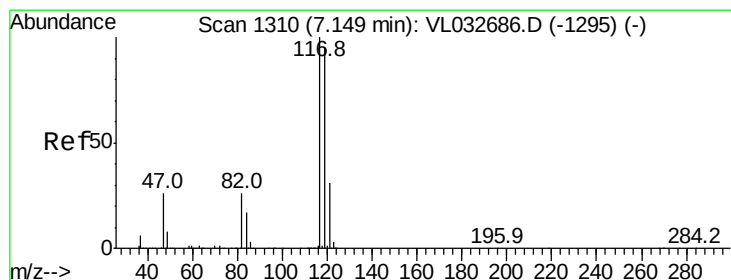
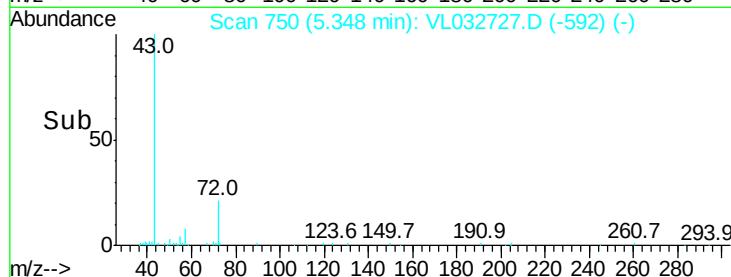
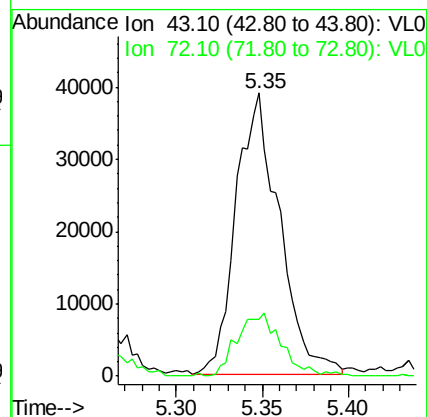
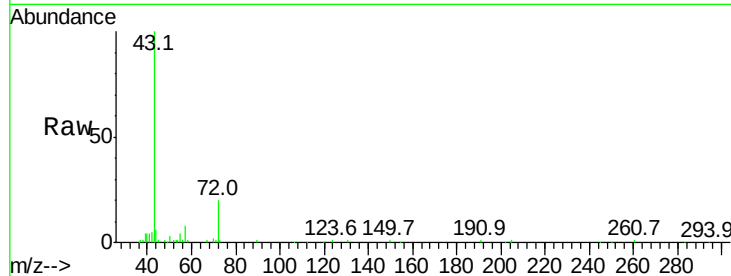
SV-02

Tgt Ion: 43 Resp: 68613

Ion Ratio Lower Upper

43 100

72 22.9 18.6 27.8



#35

Carbon Tetrachloride

Concen: 0.053 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

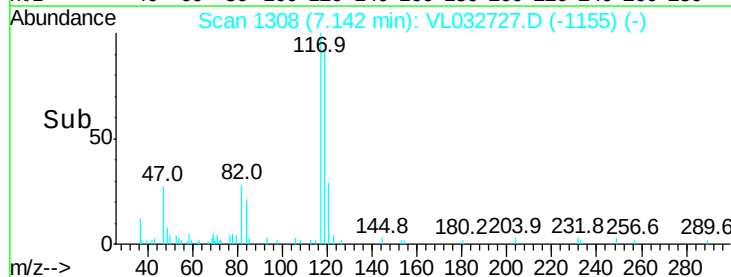
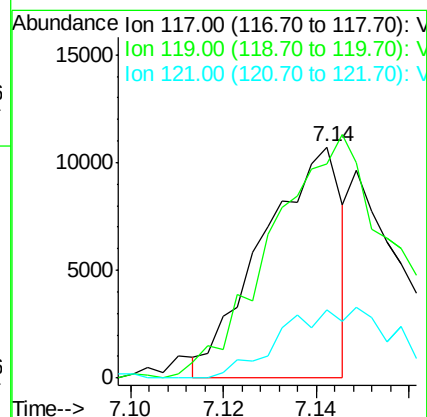
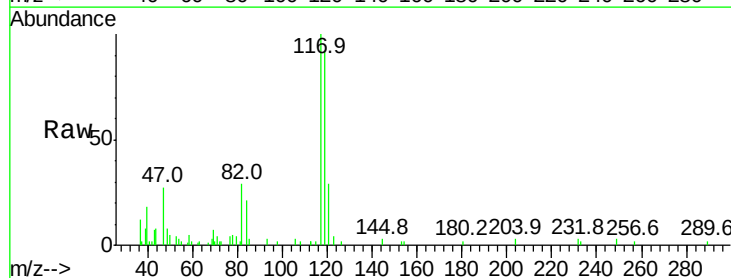
Tgt Ion: 117 Resp: 12596

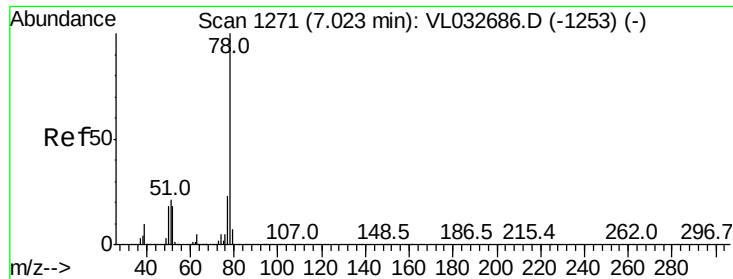
Ion Ratio Lower Upper

117 100

119 94.4 75.7 113.5

121 32.4 24.7 37.1





#36

Benzene

Concen: 2.148 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

SV-02

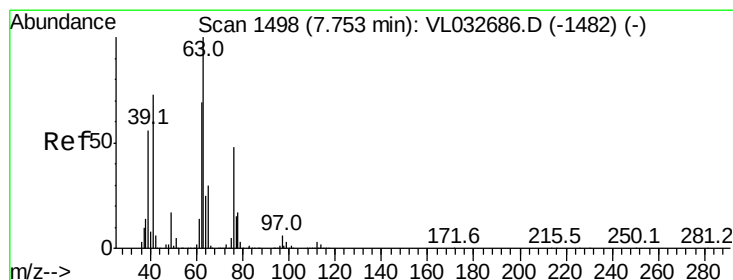
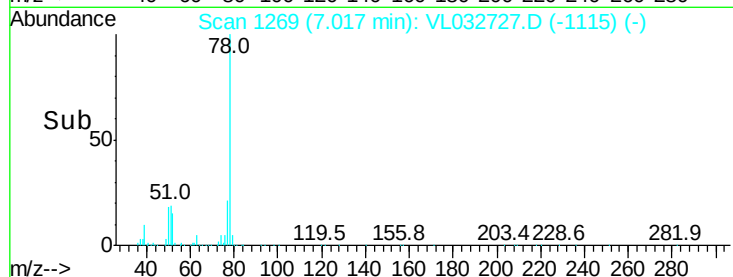
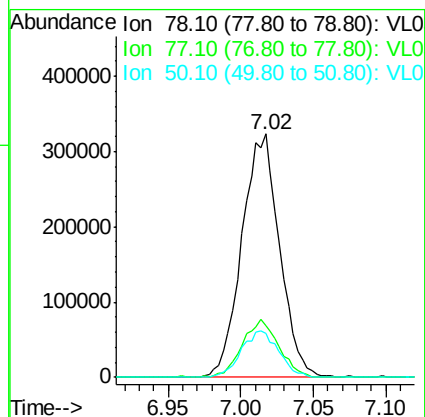
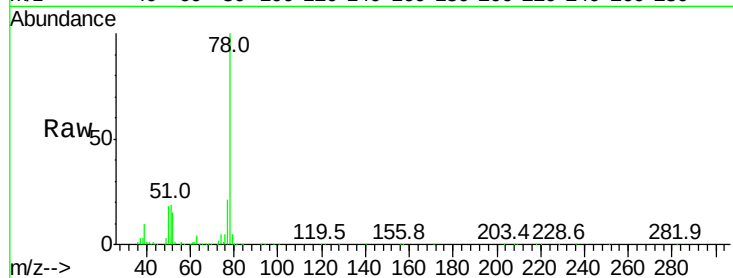
Tgt Ion: 78 Resp: 582640

Ion Ratio Lower Upper

78 100

77 21.0 18.1 27.1

50 18.0 15.1 22.7



#39

1,2-Dichloropropane

Concen: 8.031 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

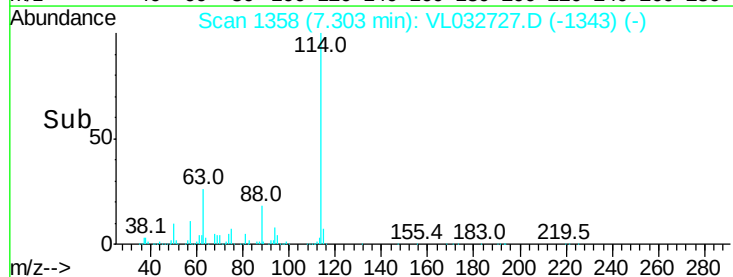
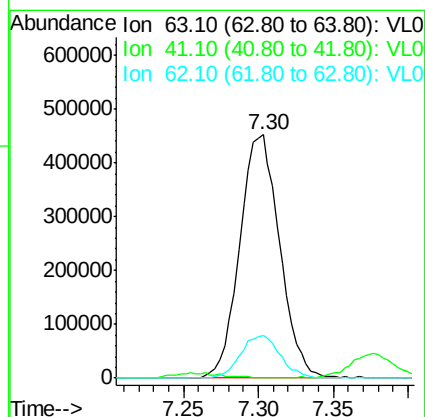
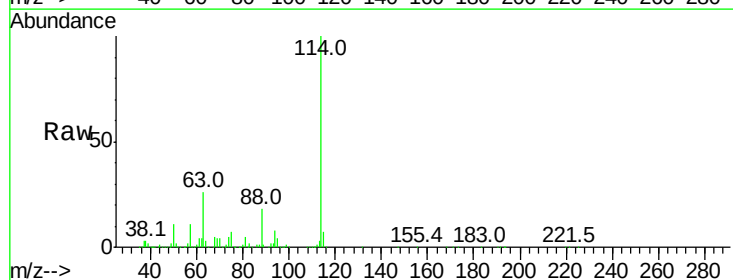
Tgt Ion: 63 Resp: 841330

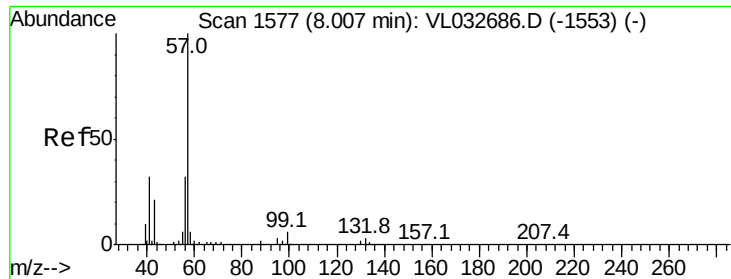
Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

62 17.2 54.4 81.6#

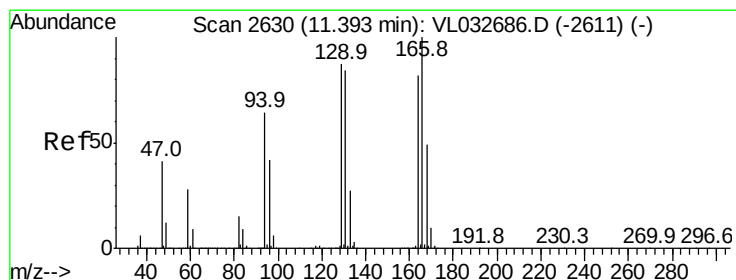
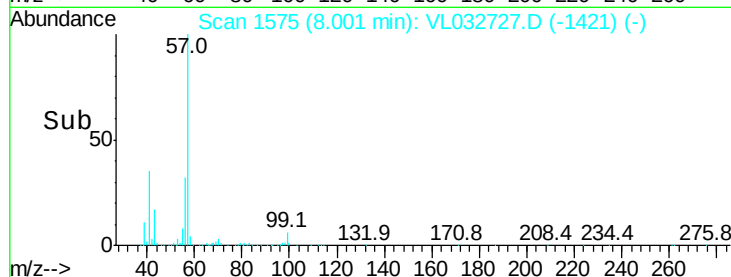
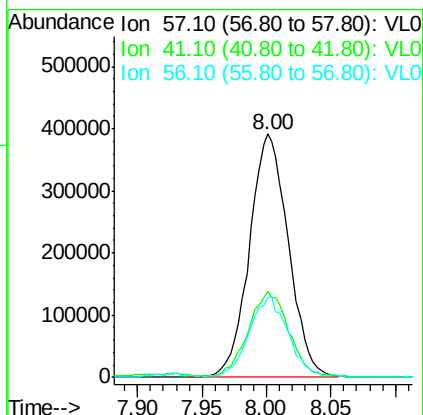
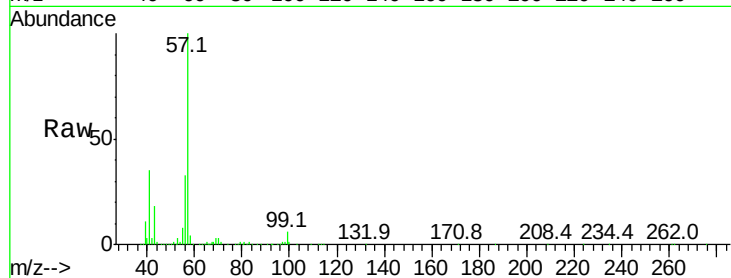




#44
2,2,4-Trimethylpentane
Concen: 1.772 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

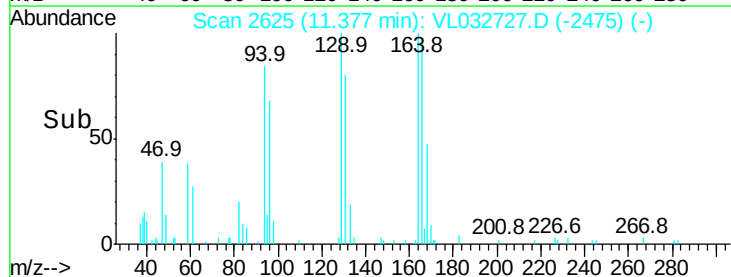
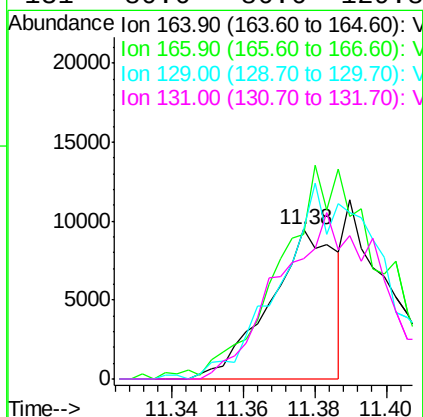
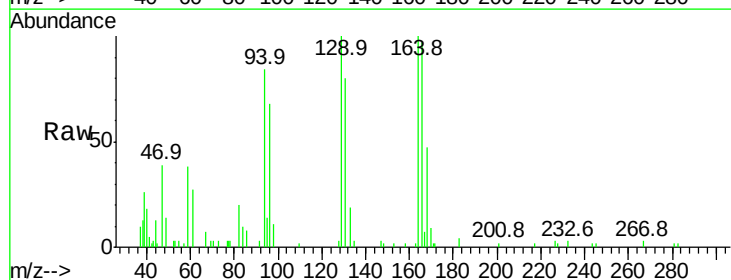
Instrument :
MSVOA_L
ClientSampleId :
SV-02

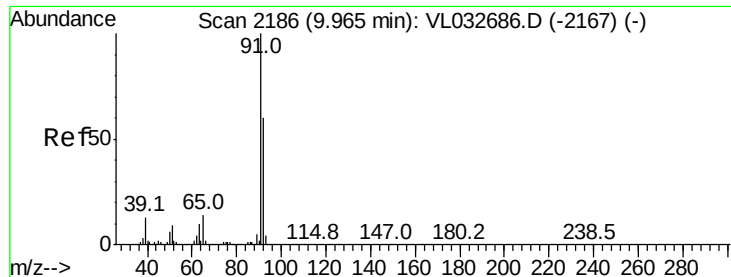
Tgt Ion: 57 Resp: 820396
Ion Ratio Lower Upper
57 100
41 37.1 24.7 37.1#
56 34.0 25.0 37.4



#52
Tetrachloroethene
Concen: 0.128 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.02 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Tgt Ion: 164 Resp: 12071
Ion Ratio Lower Upper
164 100
166 90.3 100.5 150.7#
129 100.1 90.0 135.0
131 80.6 86.6 129.8#





#53

Toluene

Concen: 16.911 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

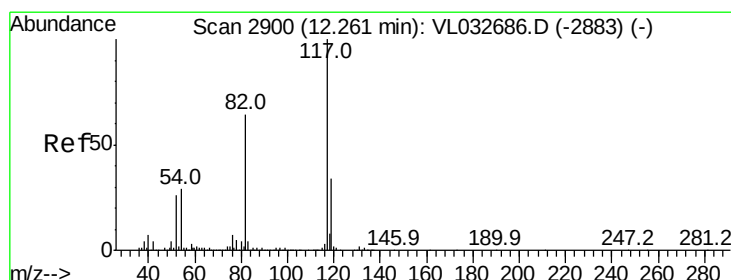
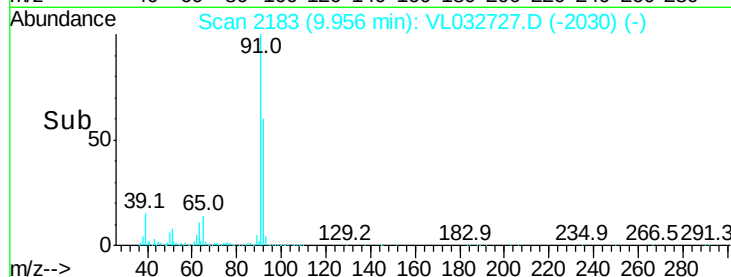
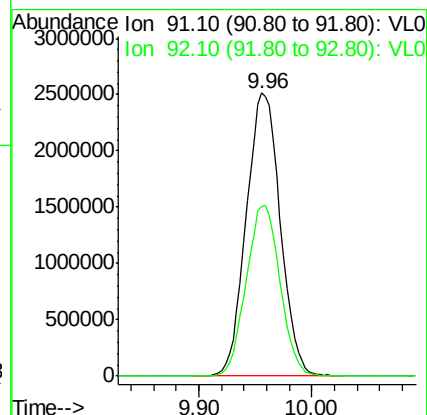
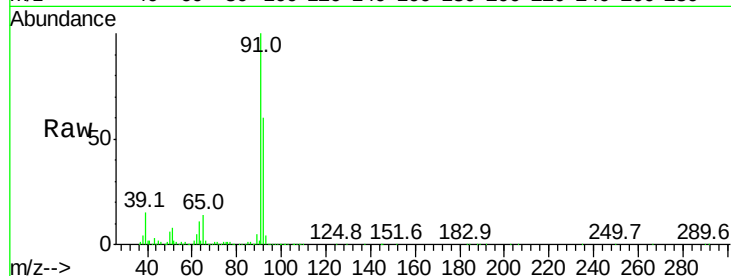
SV-02

Tgt Ion: 91 Resp: 5258719

Ion Ratio Lower Upper

91 100

92 60.1 48.4 72.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

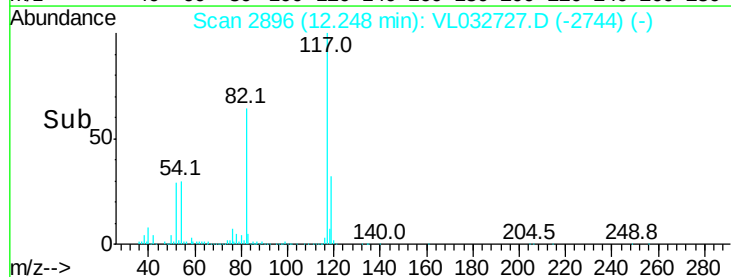
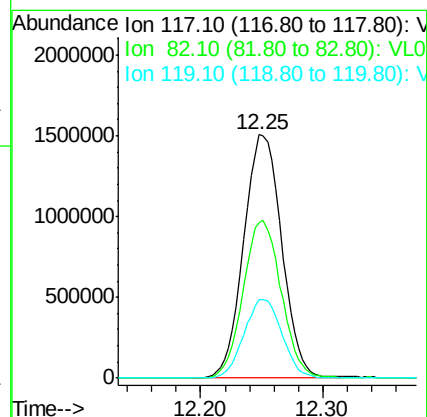
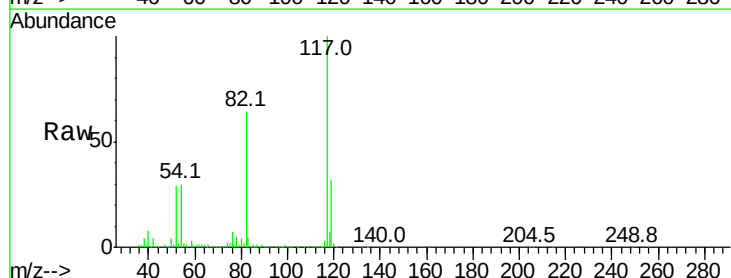
Tgt Ion: 117 Resp: 3248090

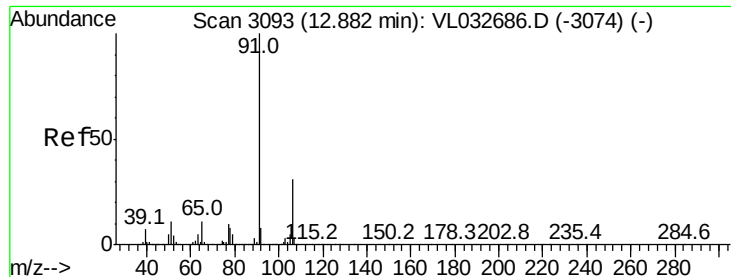
Ion Ratio Lower Upper

117 100

82 64.7 52.7 79.1

119 32.4 26.7 40.1





#58

Ethyl Benzene

Concen: 1.199 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampled :

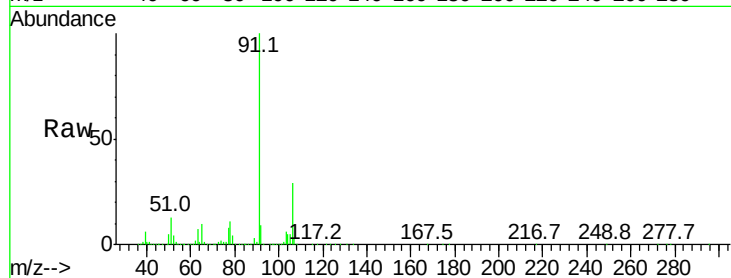
SV-02

Tgt Ion: 91 Resp: 452458

Ion Ratio Lower Upper

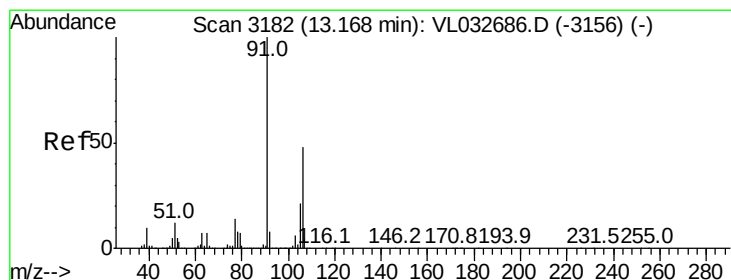
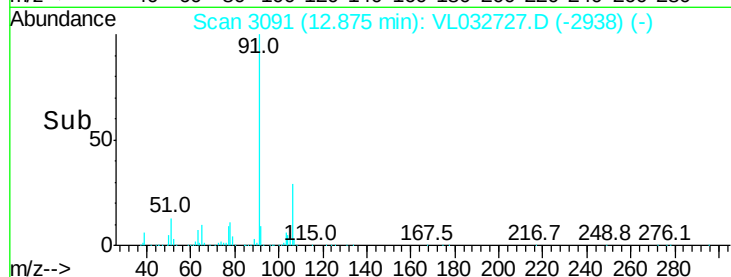
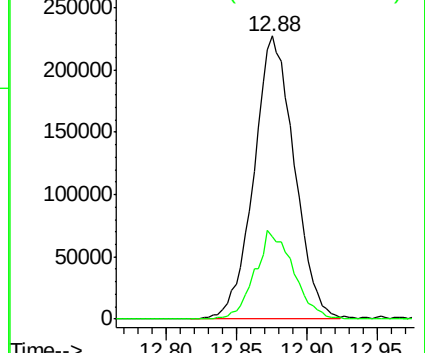
91 100

106 29.3 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 4.926 ppbv

RT: 13.13 min Scan# 3170

Delta R.T. -0.04 min

Lab File: VL032727.D

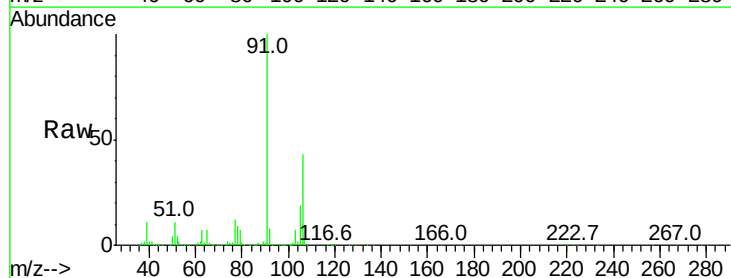
Acq: 7 Nov 2018 21:39

Tgt Ion: 91 Resp: 1655353

Ion Ratio Lower Upper

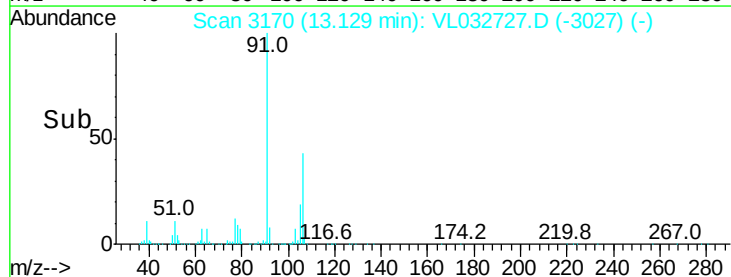
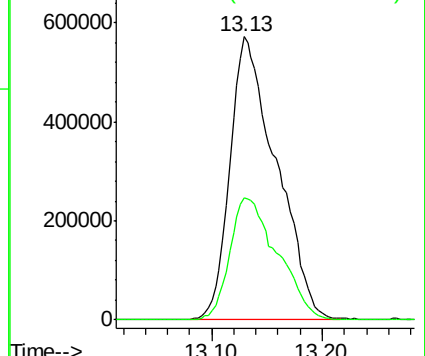
91 100

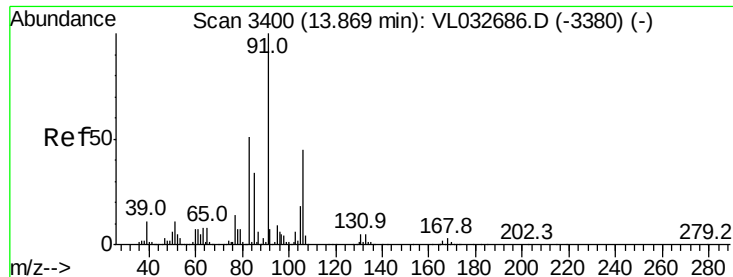
106 44.7 35.9 53.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

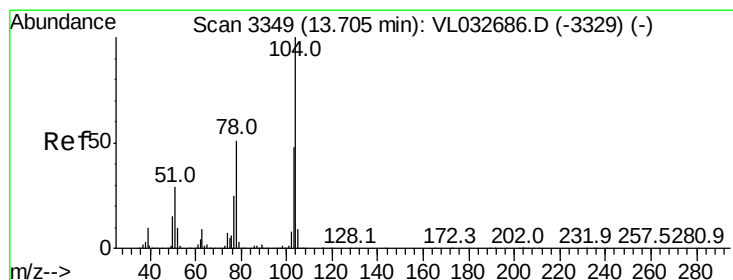
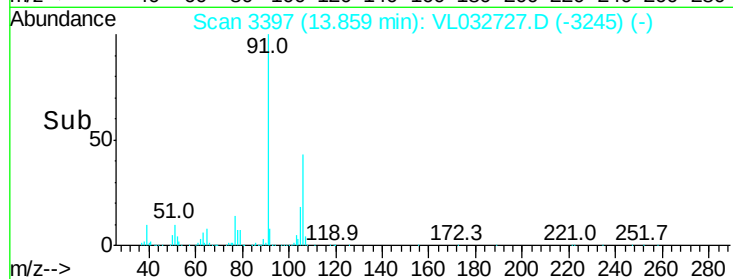
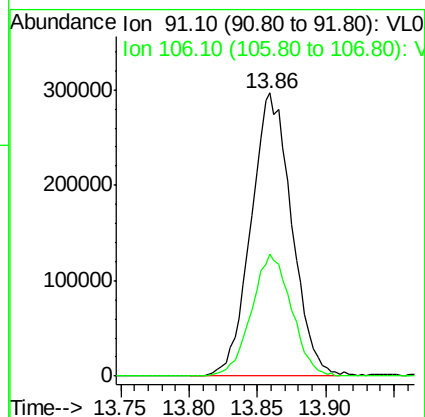
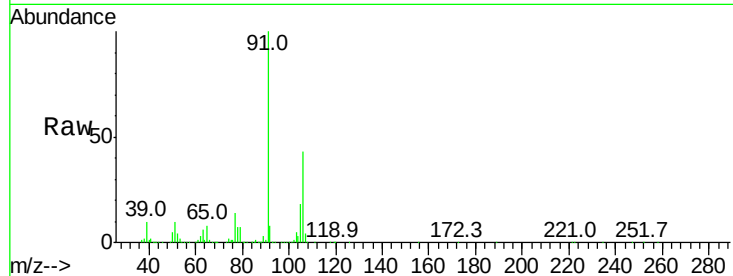




#60
o-Xylene
Concen: 1.889 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

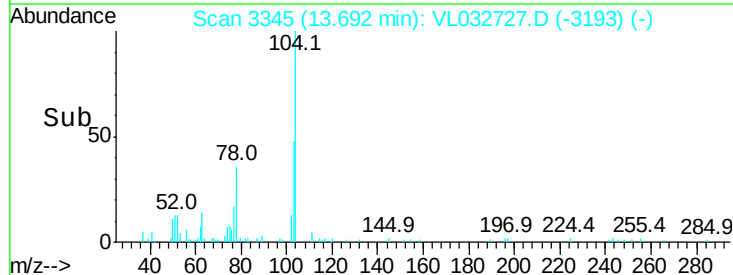
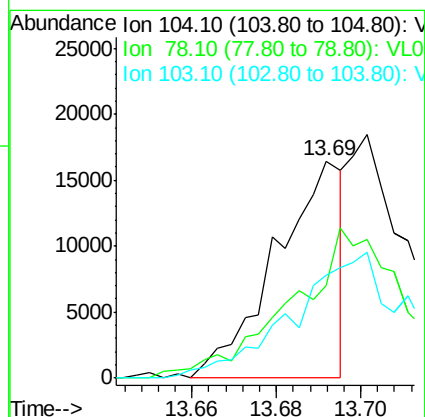
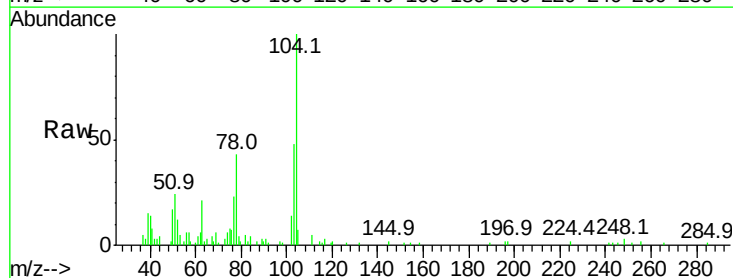
Instrument :
MSVOA_L
ClientSampled :
SV-02

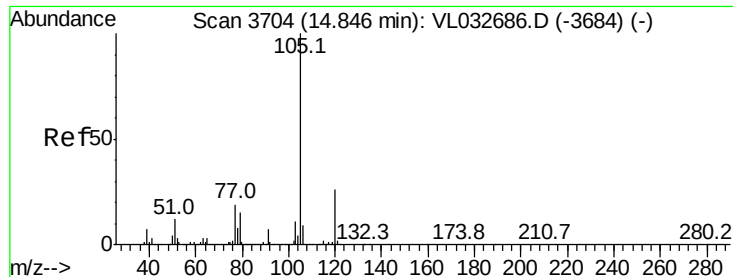
Tgt Ion: 91 Resp: 612260
Ion Ratio Lower Upper
91 100
106 42.4 22.1 66.1



#61
Styrene
Concen: 0.083 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.01 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Tgt Ion: 104 Resp: 18139
Ion Ratio Lower Upper
104 100
78 124.5 42.8 64.2#
103 0.0 37.4 56.0#





#62

Isopropylbenzene

Concen: 0.045 ppbv

RT: 14.84 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

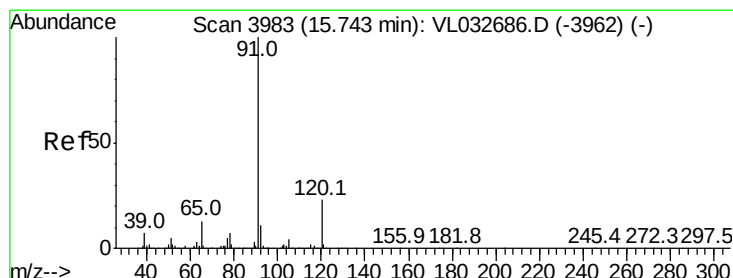
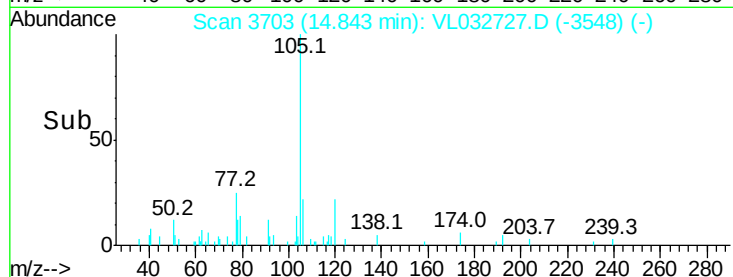
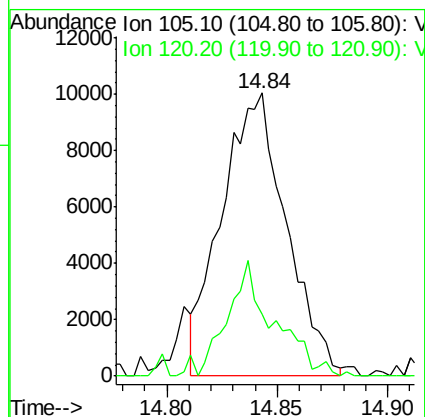
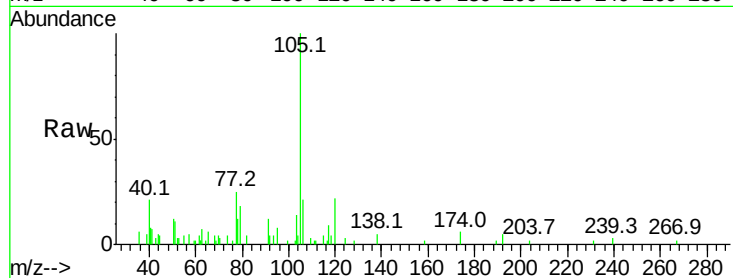
SV-02

Tgt Ion:105 Resp: 20437

Ion Ratio Lower Upper

105 100

120 30.9 20.5 30.7#



#64

n-propylbenzene

Concen: 0.050 ppbv

RT: 15.73 min Scan# 3980

Delta R.T. -0.01 min

Lab File: VL032727.D

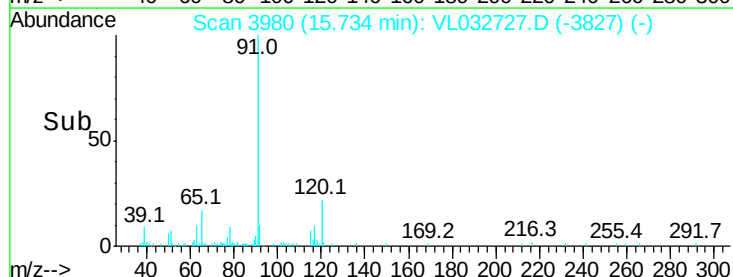
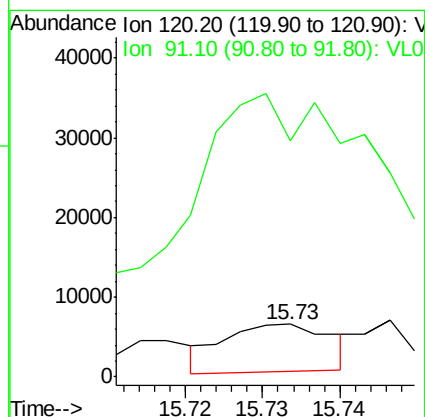
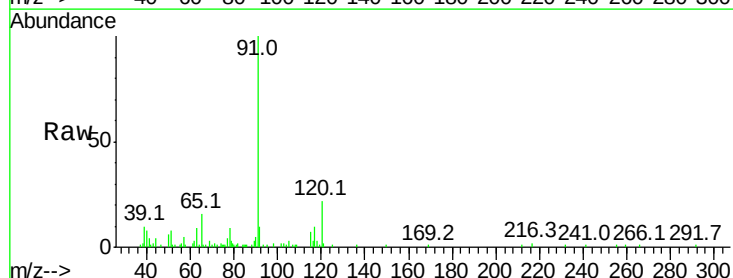
Acq: 7 Nov 2018 21:39

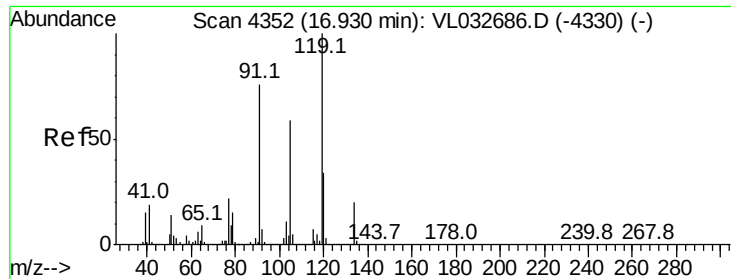
Tgt Ion:120 Resp: 5747

Ion Ratio Lower Upper

120 100

91 1416.7 390.2 585.2#

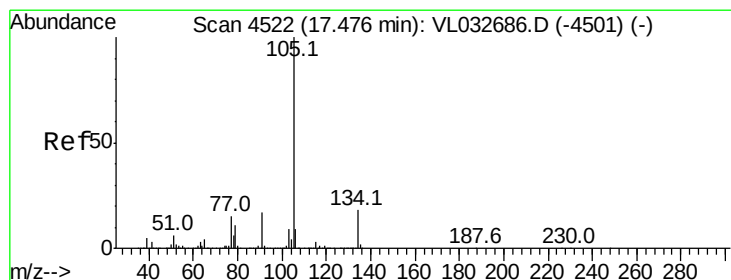
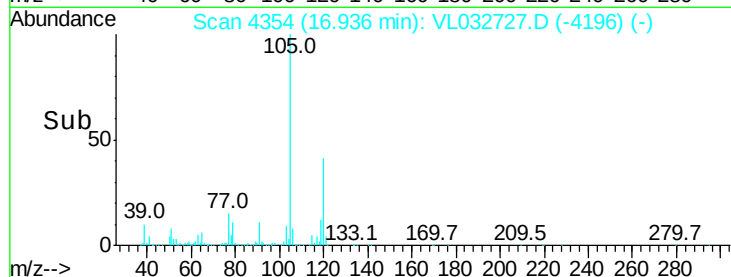
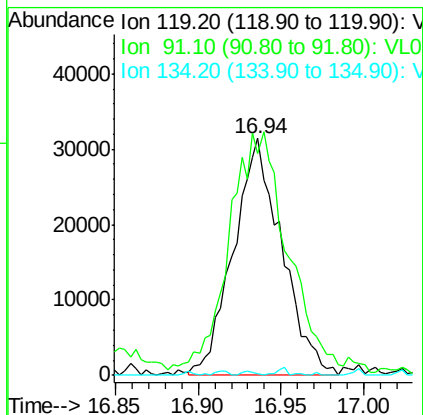
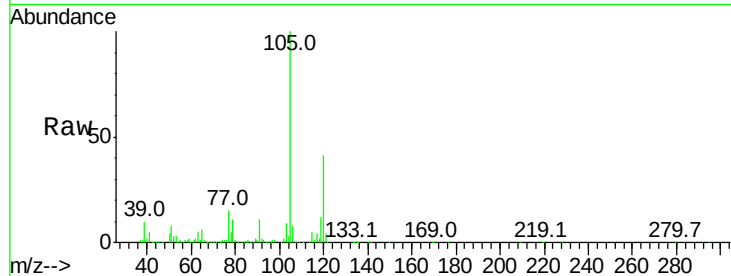




#65
 tert-Butylbenzene
 Concen: 0.163 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL032727.D
 Acq: 7 Nov 2018 21:39

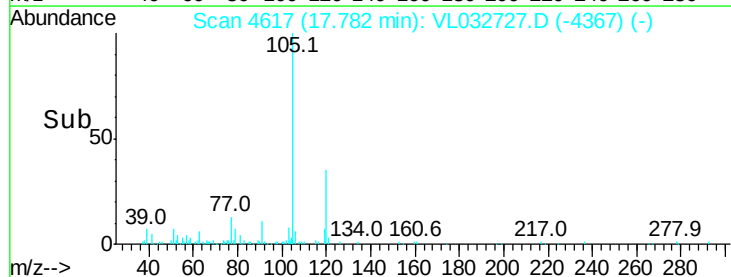
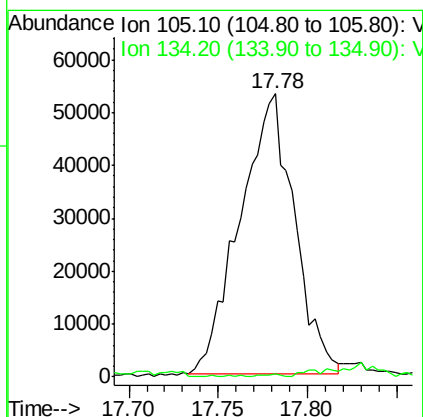
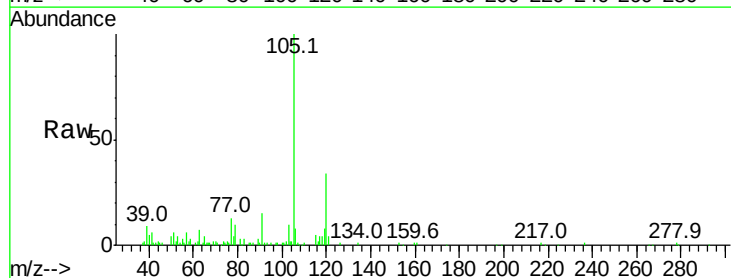
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

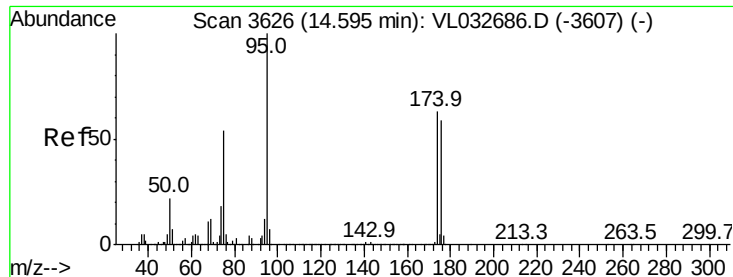
Tgt Ion:119 Resp: 63759
 Ion Ratio Lower Upper
 119 100
 91 127.0 67.8 101.8#
 134 1.9 15.8 23.8#



#67
 sec-Butylbenzene
 Concen: 0.203 ppbv
 RT: 17.78 min Scan# 4617
 Delta R.T. 0.31 min
 Lab File: VL032727.D
 Acq: 7 Nov 2018 21:39

Tgt Ion:105 Resp: 112901
 Ion Ratio Lower Upper
 105 100
 134 4.8 14.2 21.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.325 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampled :

SV-02

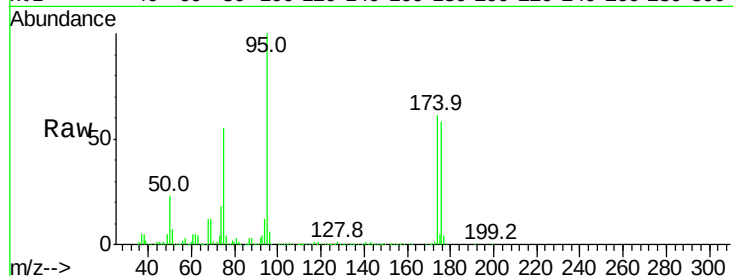
Tgt Ion: 95 Resp: 2497148

Ion Ratio Lower Upper

95 100

174 63.4 46.0 69.0

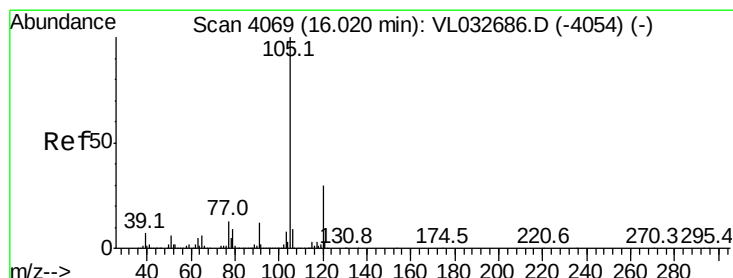
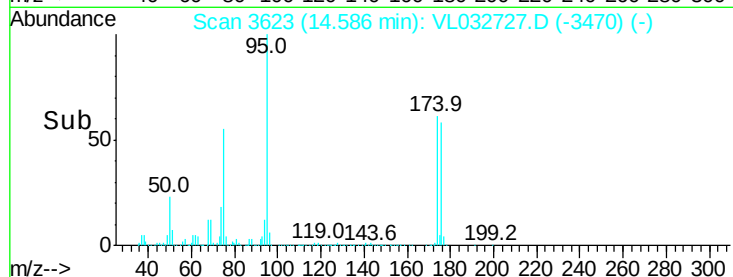
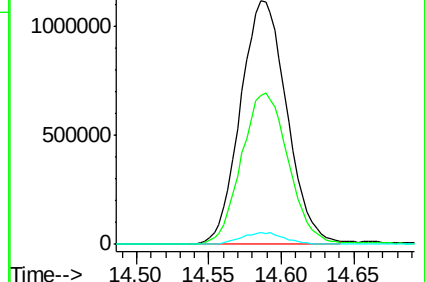
175 4.6 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#72

4-Ethyltoluene

Concen: 0.454 ppbv

RT: 16.01 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Tgt Ion: 105 Resp: 156728

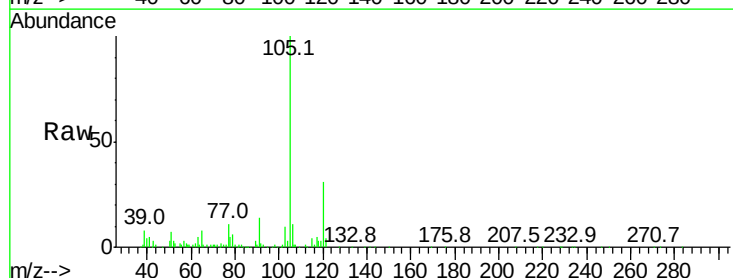
Ion Ratio Lower Upper

105 100

120 30.0 23.7 35.5

91 18.0 10.4 15.6#

77 15.6 11.4 17.2

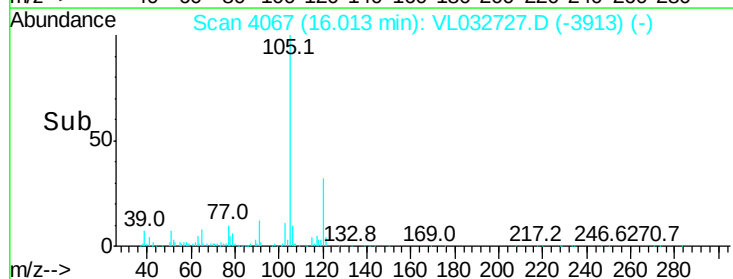
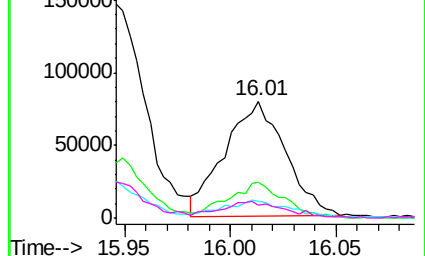


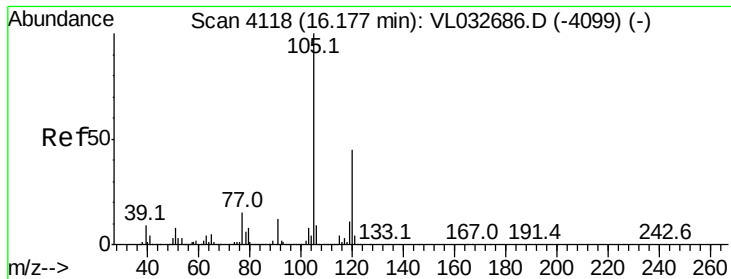
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 0.228 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Instrument :

MSVOA_L

ClientSampleId :

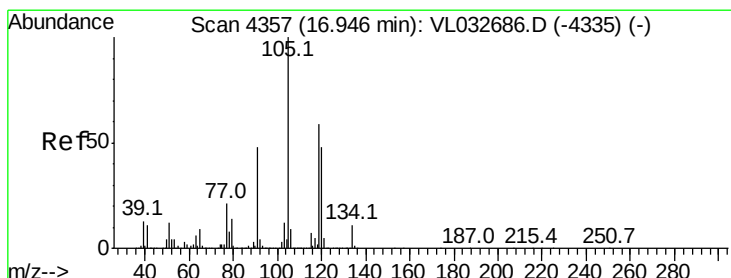
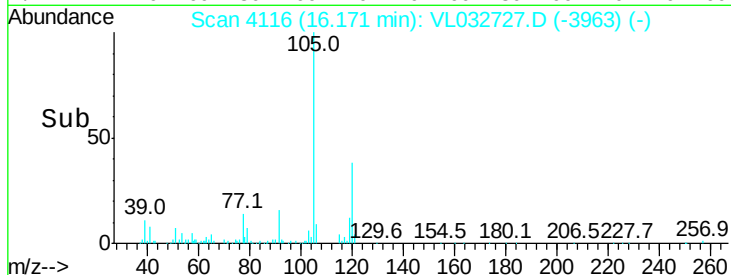
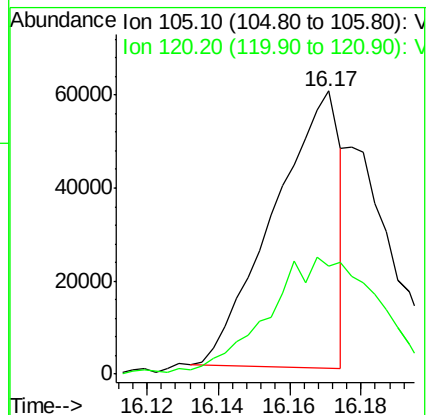
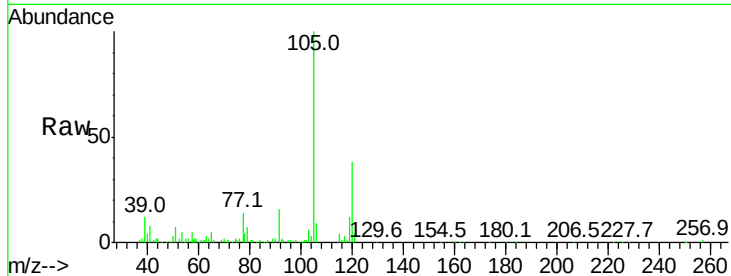
SV-02

Tgt Ion:105 Resp: 76594

Ion Ratio Lower Upper

105 100

120 37.7 35.4 53.2



#74

1,2,4-Trimethylbenzene

Concen: 1.572 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL032727.D

Acq: 7 Nov 2018 21:39

Tgt Ion:105 Resp: 564324

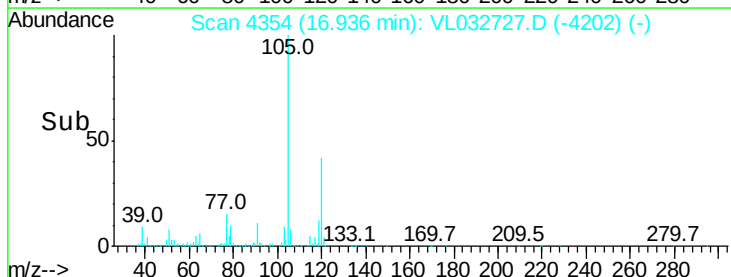
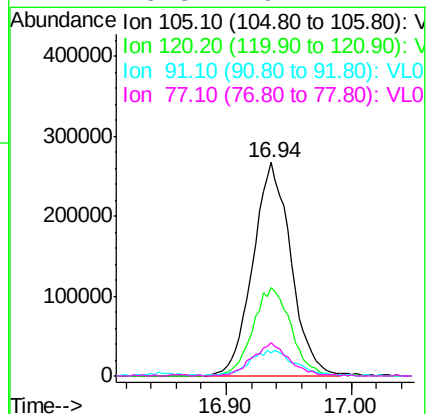
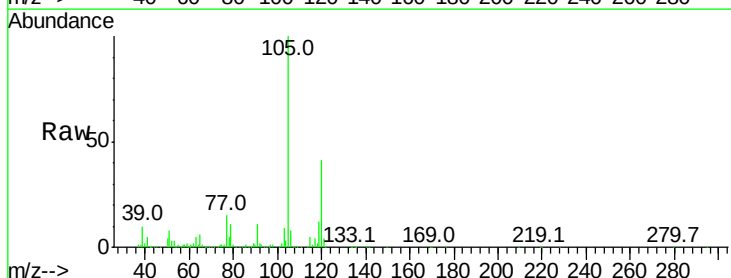
Ion Ratio Lower Upper

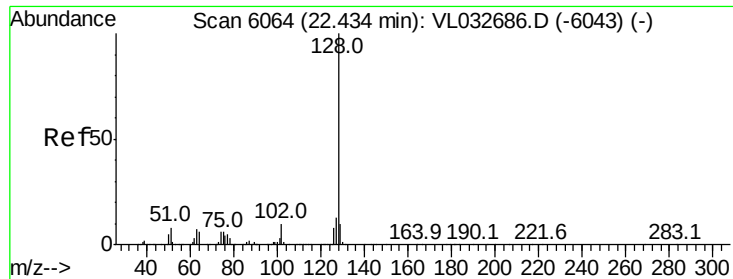
105 100

120 41.5 35.8 53.8

91 10.3 33.2 49.8#

77 15.3 16.2 24.4#

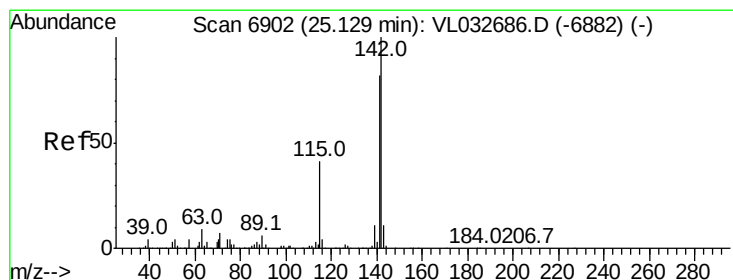
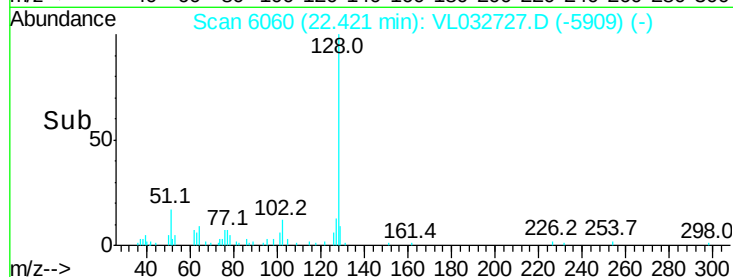
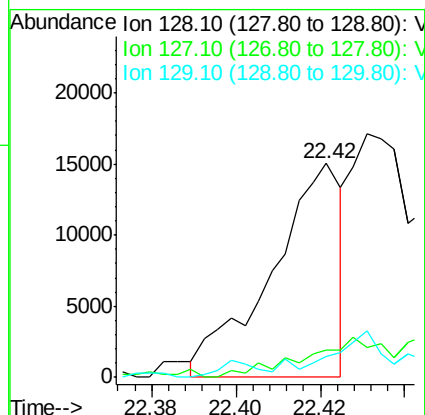
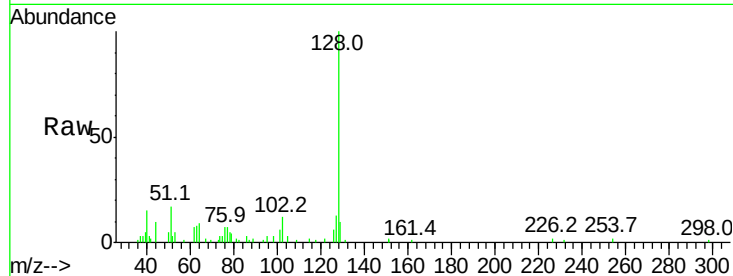




#79
Naphthalene
Concen: 0.077 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.01 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Instrument :
MSVOA_L
ClientSampled :
SV-02

Tgt Ion:128 Resp: 17293
Ion Ratio Lower Upper
128 100
127 10.0 10.3 15.5#
129 10.6 8.6 13.0



#80
Naphthalene, 2-methyl-
Concen: 0.053 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.01 min
Lab File: VL032727.D
Acq: 7 Nov 2018 21:39

Tgt Ion:142 Resp: 2896
Ion Ratio Lower Upper
142 100
141 94.3 67.5 101.3
115 45.8 33.5 50.3

