

Data File : VL032621.D
Acq On : 12 Oct 2018 2:09
Operator : SY/AP
Sample : J5370-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518

Quant Time: Oct 12 03:30:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1343141	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	2867310	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3183171	10.00	ppbv	-0.03

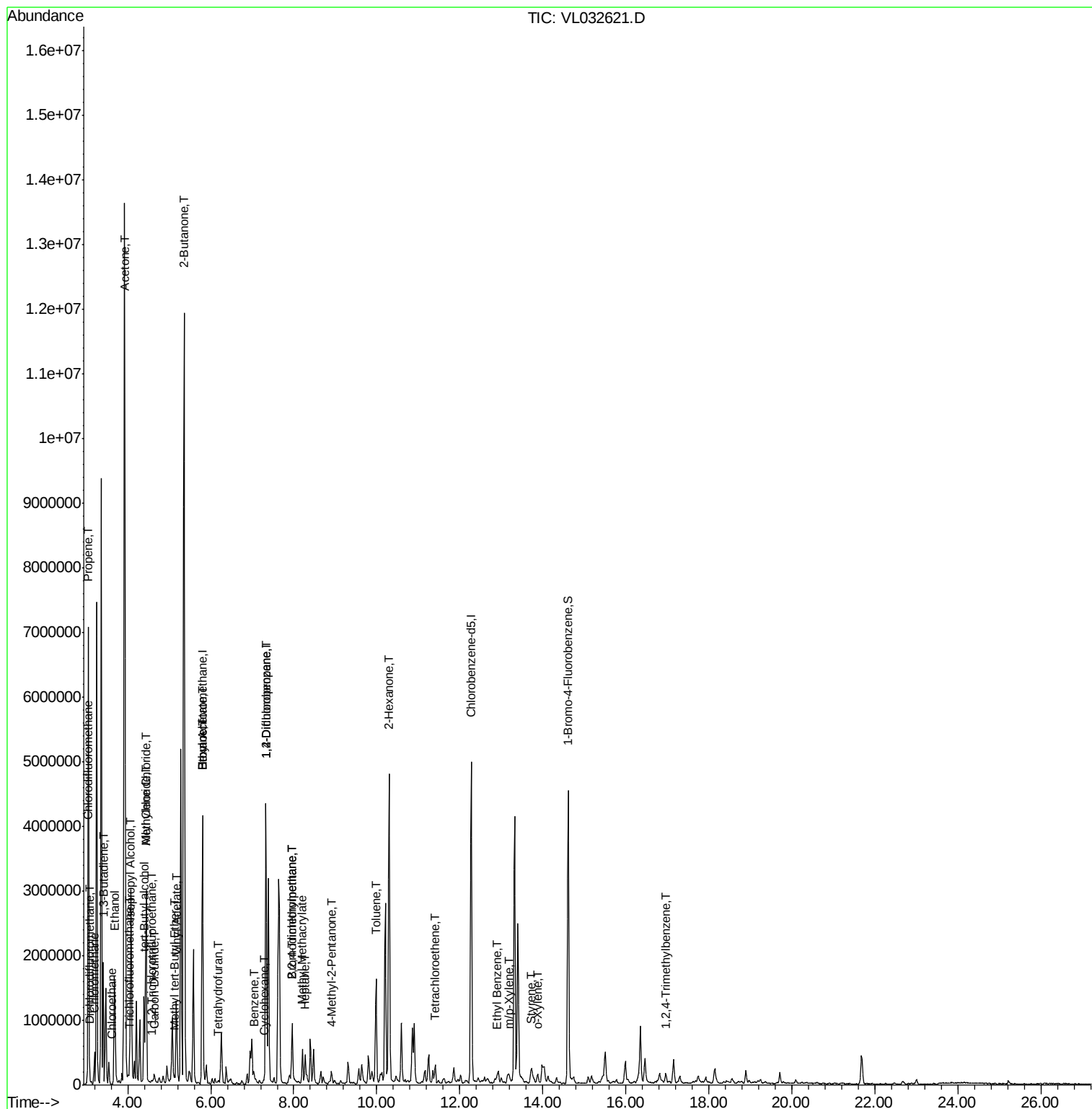
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2304896	9.60	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

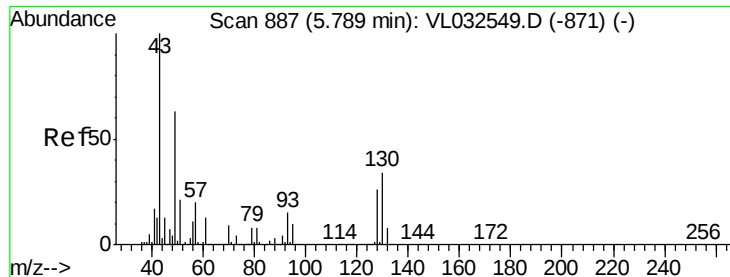
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	25628	0.206	ppbv	89
3) Chlorodifluoromethane	3.03	51	91504	0.819	ppbv	96
4) Chloromethane	3.18	50	40166	0.617	ppbv	99
7) Chloroethane	3.62	64	2155	0.092	ppbv	92
9) Propene	3.05	41	2877157	59.369	ppbv	98
10) Heptane	8.27	43	176771	0.994	ppbv	92
11) Trichlorofluoromethane	4.02	101	36011	0.244	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.58	101	4583	0.038	ppbv #	17
13) Ethanol	3.69	45	2093973	143.748	ppbv	98
15) Acetone	3.92	43	16212987	137.517	ppbv #	70
16) 1,3-Butadiene	3.41	39	225630	4.719	ppbv #	1
17) tert-Butyl alcohol	4.39	59	965569	65.174	ppbv #	100
19) Isopropyl Alcohol	4.06	45	707998	8.621	ppbv #	93
20) Methylene Chloride	4.44	84	1050593	18.402	ppbv	96
21) Allyl Chloride	4.44	41	88690	0.920	ppbv #	71
23) Vinyl Acetate	5.18	43	1108895	5.323	ppbv #	93
25) Ethyl Acetate	5.80	43	491379	1.718	ppbv #	94
26) Hexane	5.80	57	415710	3.217	ppbv #	44
27) Carbon Disulfide	4.64	76	131317	0.945	ppbv #	92
28) Methyl tert-Butyl Ether	5.13	73	6912	0.043	ppbv #	51
30) Cyclohexane	7.28	84	4133	0.039	ppbv #	1
34) 2-Butanone	5.35	43	14902147	87.276	ppbv #	86
36) Benzene	7.04	78	139321	0.601	ppbv	96
39) 1,2-Dichloropropane	7.33	63	757102	7.250	ppbv #	26
41) Tetrahydrofuran	6.18	42	4383	0.047	ppbv #	1
42) Bromodichloromethane	7.96	83	17201	0.082	ppbv #	24
43) Methyl Methacrylate	8.21	69	94400	0.975	ppbv #	53
44) 2,2,4-Trimethylpentane	7.96	57	57829	0.128	ppbv #	1
50) 4-Methyl-2-Pentanone	8.90	43	74364	0.277	ppbv #	64
51) 2-Hexanone	10.29	43	4106299	18.499	ppbv #	97
52) Tetrachloroethene	11.40	164	29563	0.366	ppbv	97
53) Toluene	9.98	91	1247908	4.419	ppbv	100
58) Ethyl Benzene	12.89	91	52620	0.136	ppbv #	88
59) m/p-Xylene	13.18	91	30632	0.089	ppbv #	31
60) o-Xylene	13.88	91	10804	0.032	ppbv #	1
61) Styrene	13.71	104	9436	0.043	ppbv #	27
74) 1,2,4-Trimethylbenzene	16.96	105	32558	0.086	ppbv #	73

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518

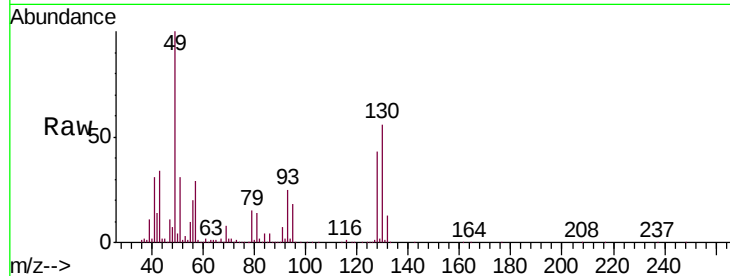
Tgt Ion: 49 Resp: 1343141

Ion Ratio Lower Upper

49 100

128 45.0 20.7 62.1

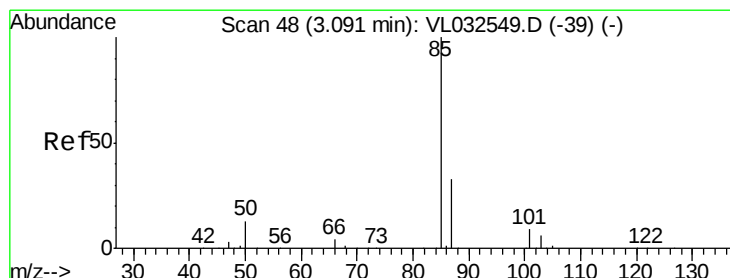
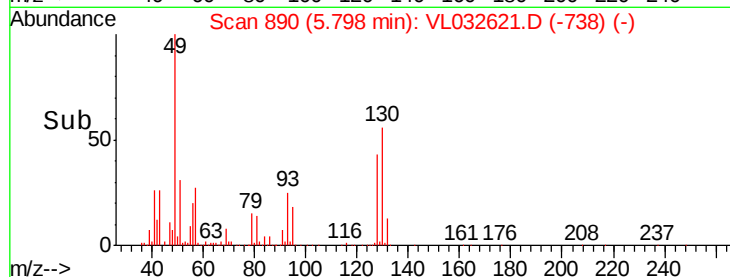
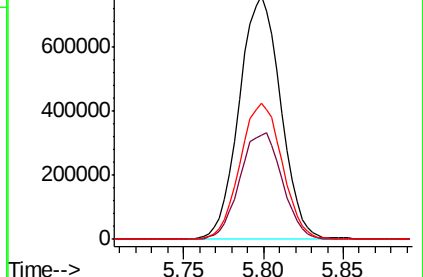
130 57.1 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.206 ppbv

RT: 3.09 min Scan# 47

Delta R.T. -0.02 min

Lab File: VL032621.D

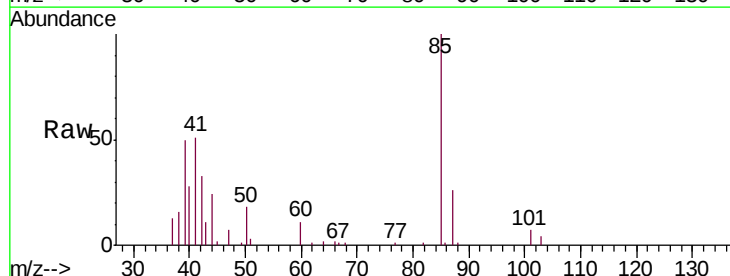
Acq: 12 Oct 2018 2:09

Tgt Ion: 85 Resp: 25628

Ion Ratio Lower Upper

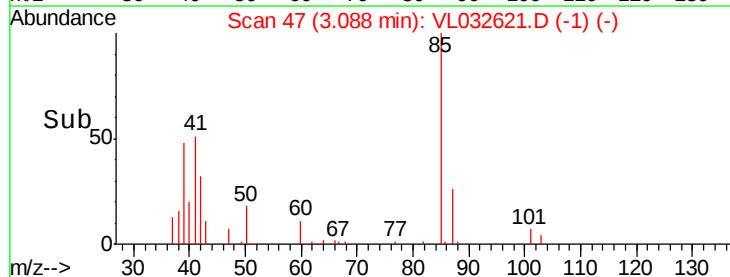
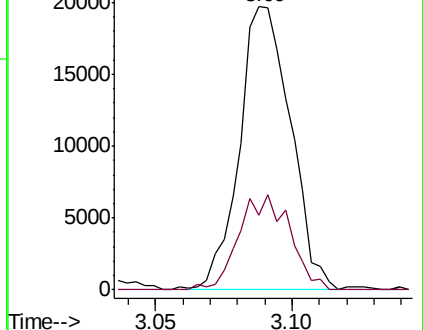
85 100

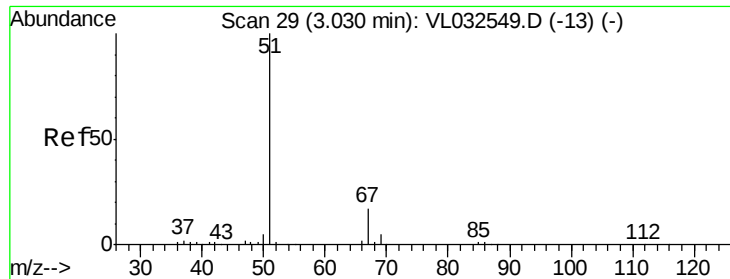
87 26.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

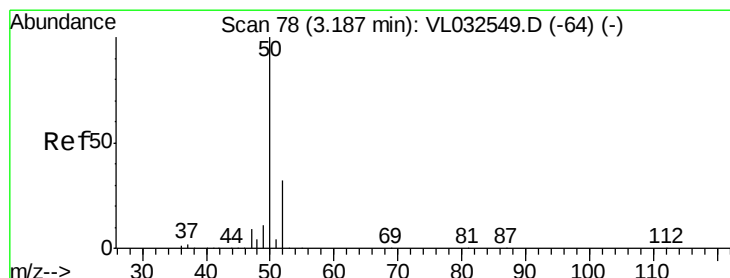
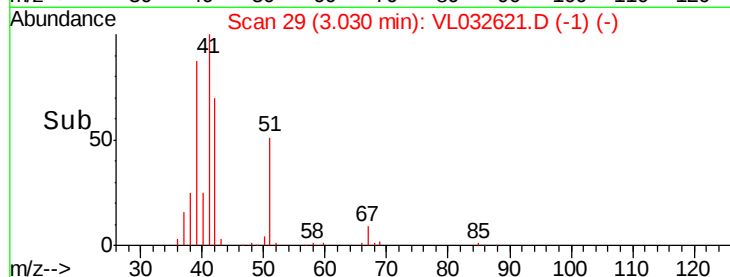
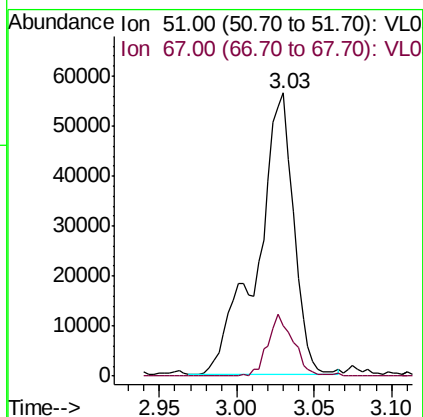
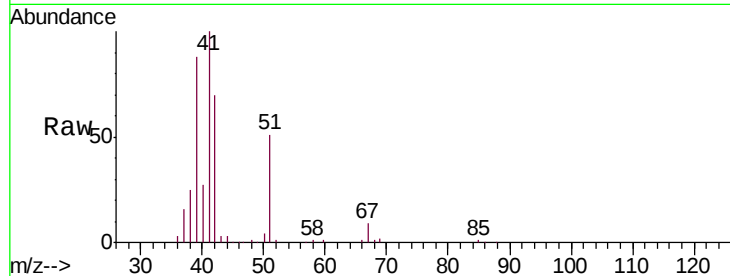




#3
Chlorodifluoromethane
Concen: 0.819 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

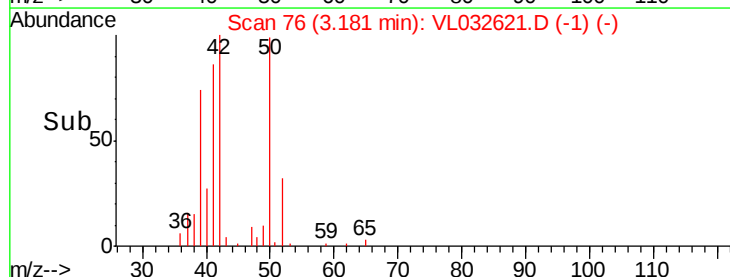
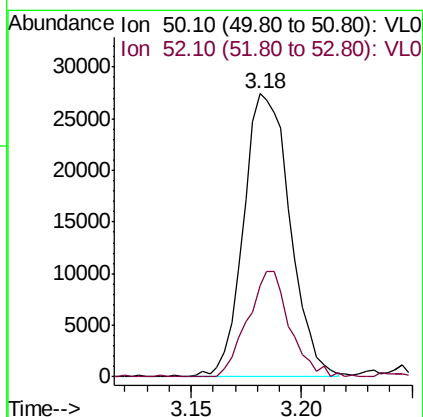
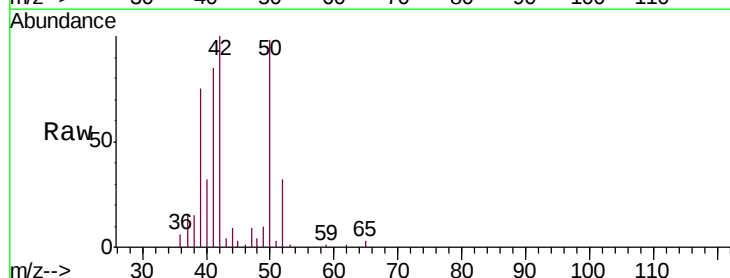
Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518

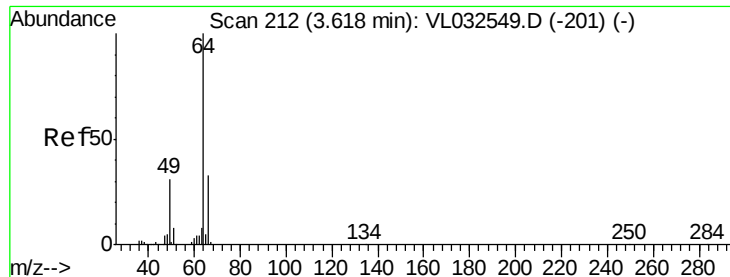
Tgt Ion: 51 Resp: 91504
Ion Ratio Lower Upper
51 100
67 15.7 13.8 20.8



#4
Chloromethane
Concen: 0.617 ppbv
RT: 3.18 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

Tgt Ion: 50 Resp: 40166
Ion Ratio Lower Upper
50 100
52 32.5 25.6 38.4





#7

Chloroethane

Concen: 0.092 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

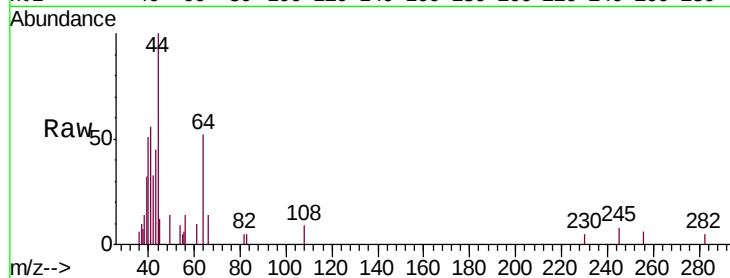
Q4-SVI-100518

Tgt Ion: 64 Resp: 2155

Ion Ratio Lower Upper

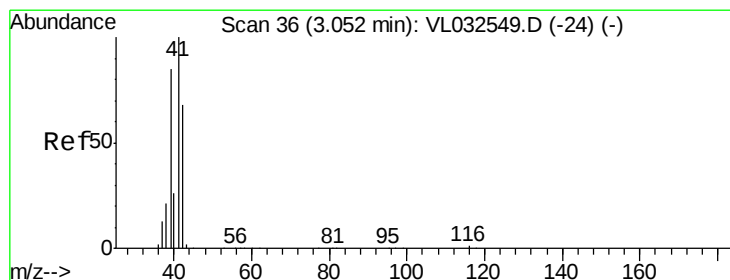
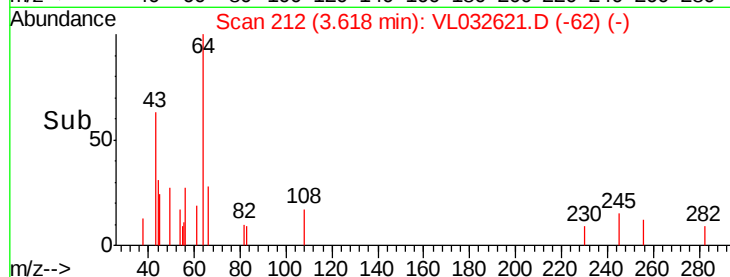
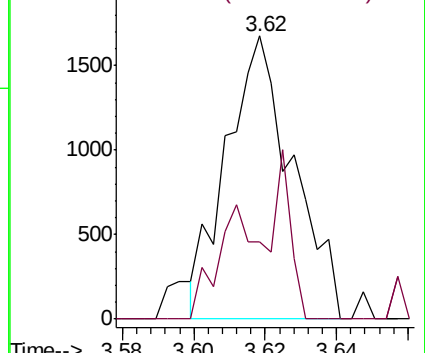
64 100

66 27.5 25.8 38.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 59.369 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032621.D

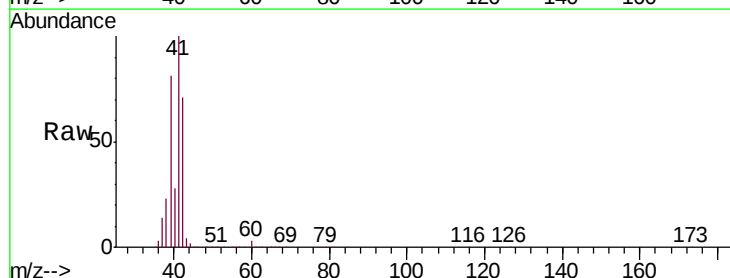
Acq: 12 Oct 2018 2:09

Tgt Ion: 41 Resp: 2877157

Ion Ratio Lower Upper

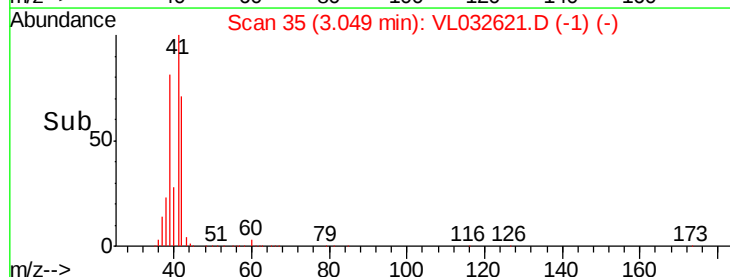
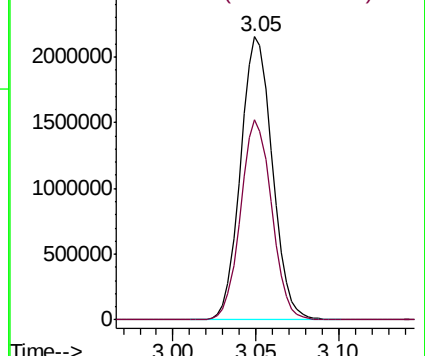
41 100

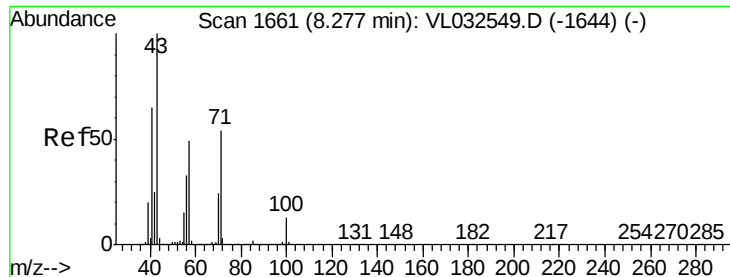
42 69.2 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.994 ppbv

RT: 8.27 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

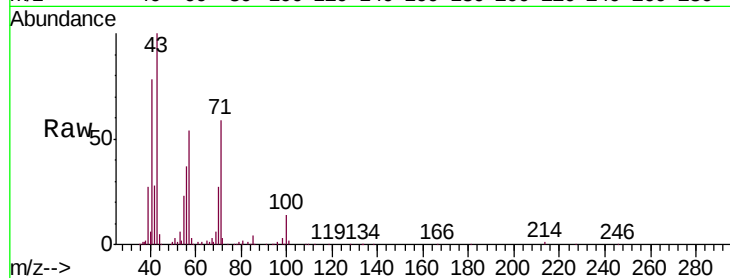
Q4-SVI-100518

Tgt Ion: 43 Resp: 176771

Ion Ratio Lower Upper

43 100

57 54.7 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.27

100000

80000

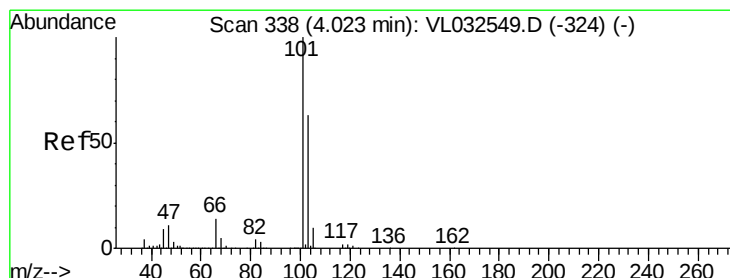
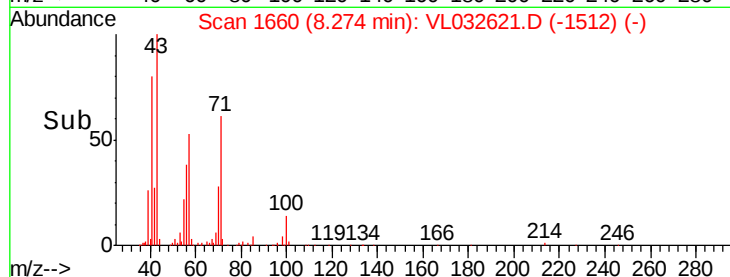
60000

40000

20000

0

Time-->



#11

Trichlorofluoromethane

Concen: 0.244 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032621.D

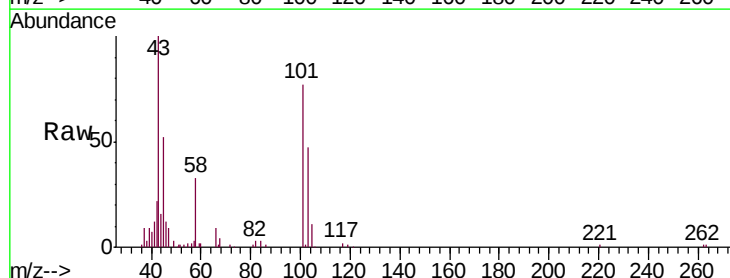
Acq: 12 Oct 2018 2:09

Tgt Ion: 101 Resp: 36011

Ion Ratio Lower Upper

101 100

103 61.6 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.02

25000

20000

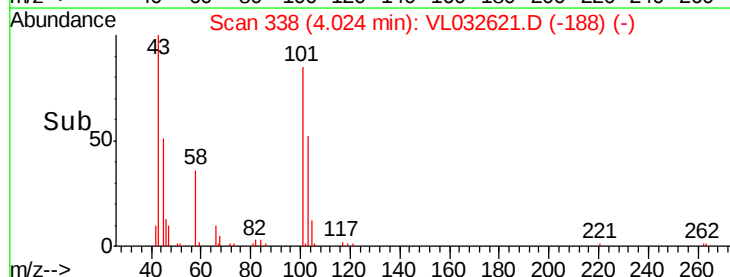
15000

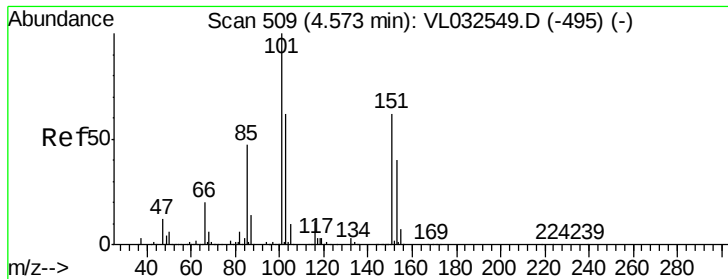
10000

5000

0

Time-->





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.58 min Scan# 511

Delta R.T. -0.01 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

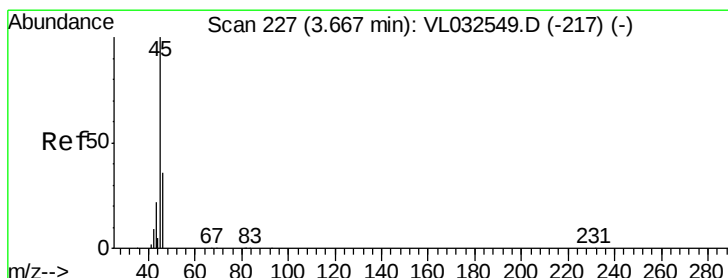
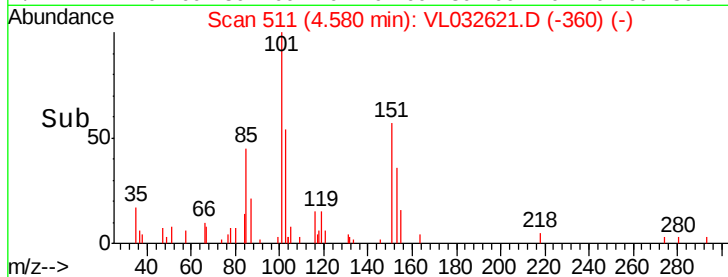
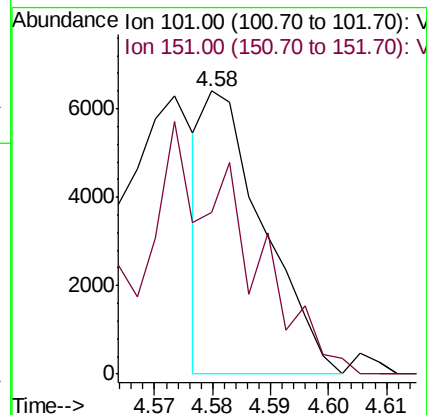
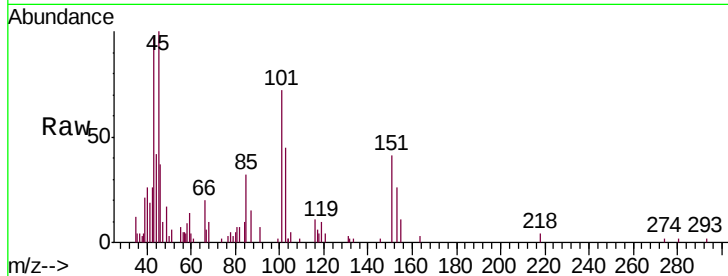
Q4-SVI-100518

Tgt Ion:101 Resp: 4583

Ion Ratio Lower Upper

101 100

151 0.0 52.6 78.8#



#13

Ethanol

Concen: 143.748 ppbv

RT: 3.69 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL032621.D

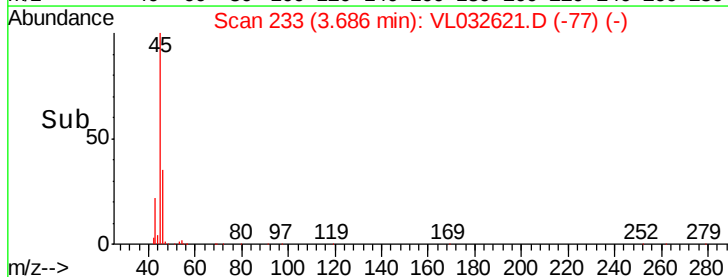
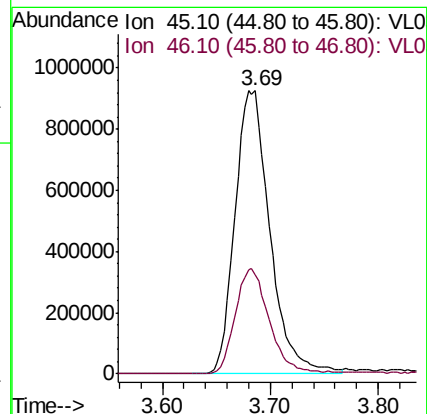
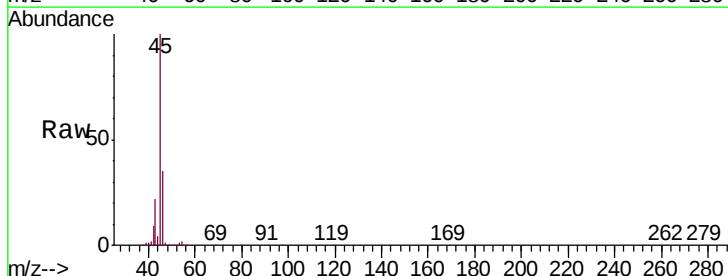
Acq: 12 Oct 2018 2:09

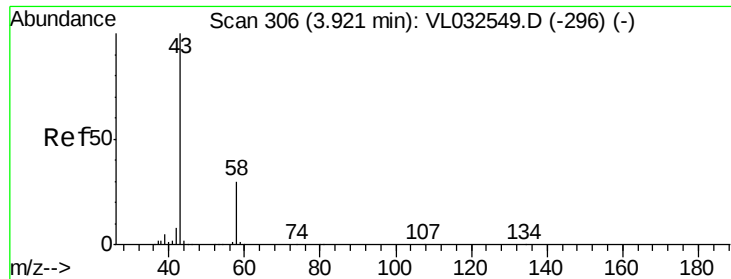
Tgt Ion: 45 Resp: 2093973

Ion Ratio Lower Upper

45 100

46 36.7 14.2 56.8





#15

Acetone

Concen: 137.517 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

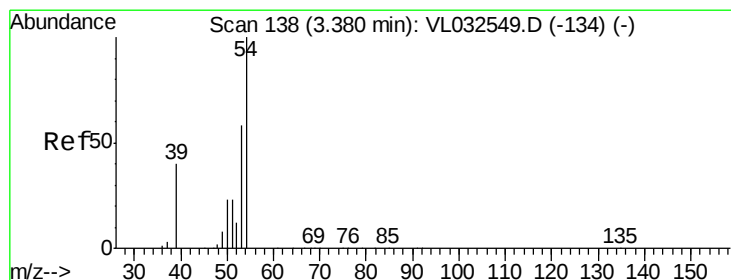
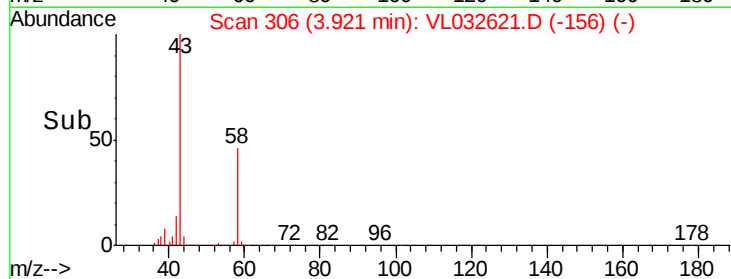
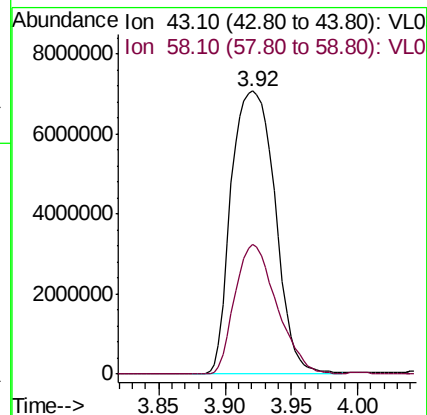
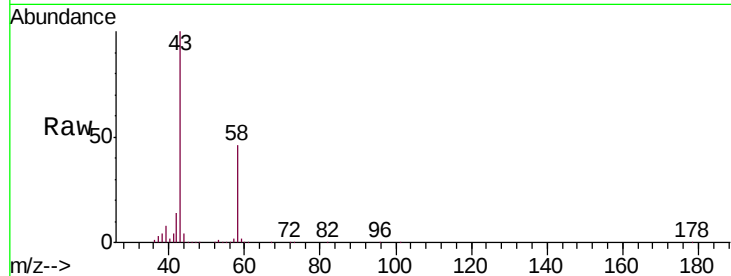
Q4-SVI-100518

Tgt Ion: 43 Resp:16212987

Ion Ratio Lower Upper

43 100

58 44.2 22.6 33.8#



#16

1,3-Butadiene

Concen: 4.719 ppbv

RT: 3.41 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL032621.D

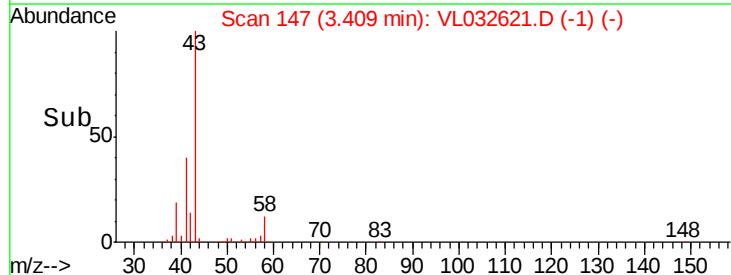
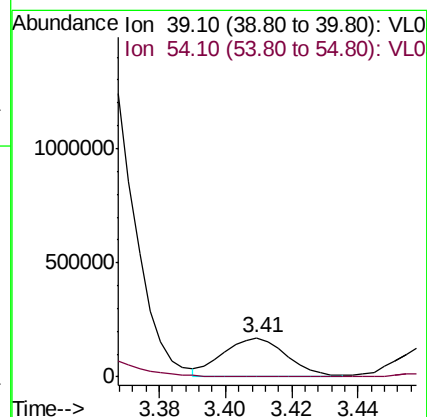
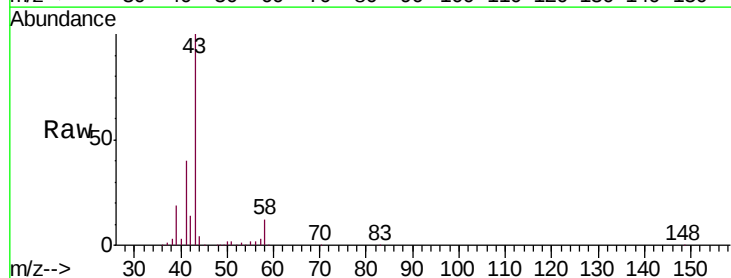
Acq: 12 Oct 2018 2:09

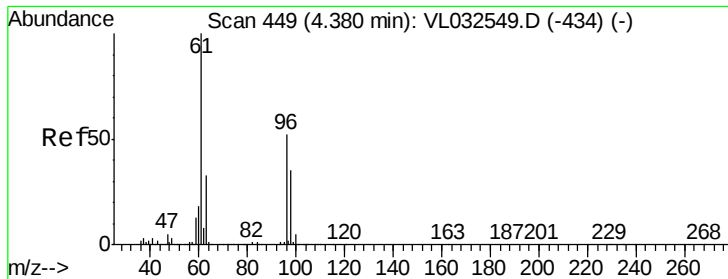
Tgt Ion: 39 Resp: 225630

Ion Ratio Lower Upper

39 100

54 0.0 80.8 121.2#





#17

tert-Butyl alcohol

Concen: 65.174 ppbv

RT: 4.39 min Scan# 453

Delta R.T. -0.01 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

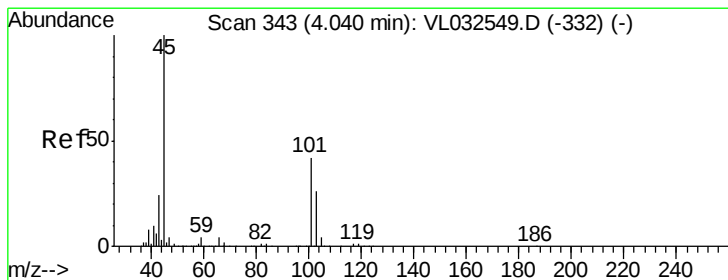
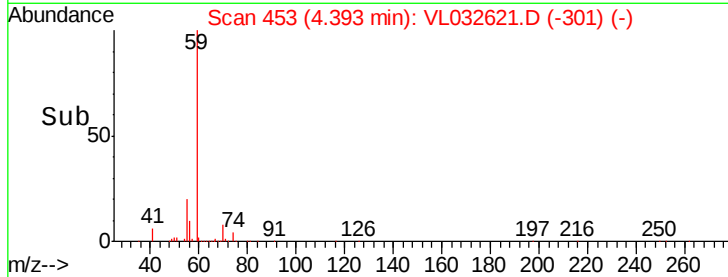
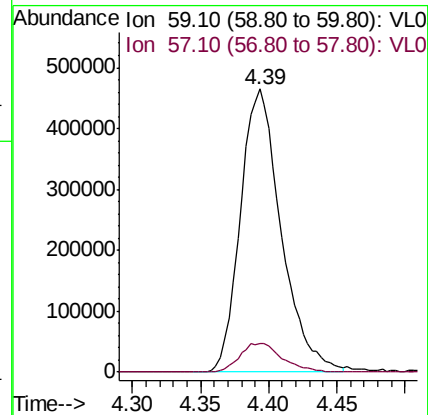
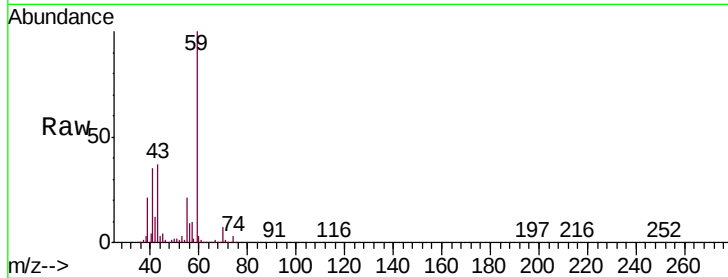
Q4-SVI-100518

Tgt Ion: 59 Resp: 965569

Ion Ratio Lower Upper

59 100

57 10.9 0.0 0.0#



#19

Isopropyl Alcohol

Concen: 8.621 ppbv

RT: 4.06 min Scan# 349

Delta R.T. -0.00 min

Lab File: VL032621.D

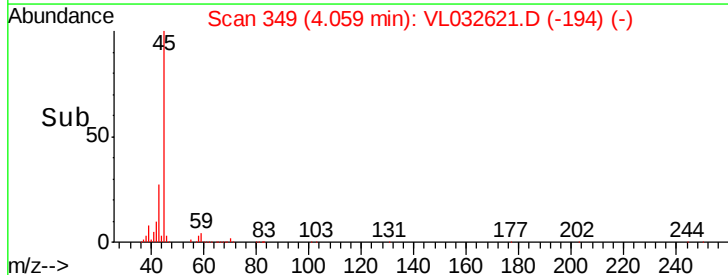
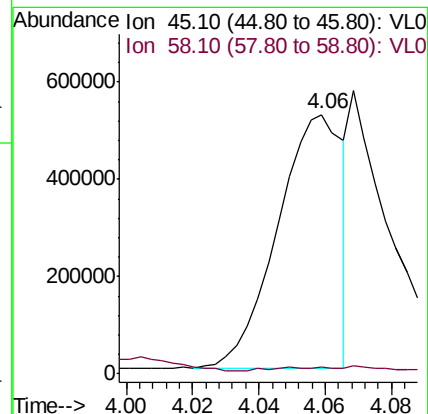
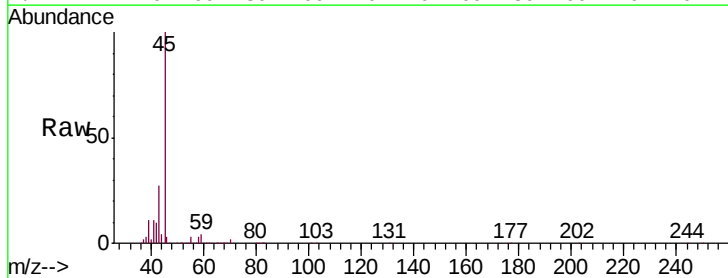
Acq: 12 Oct 2018 2:09

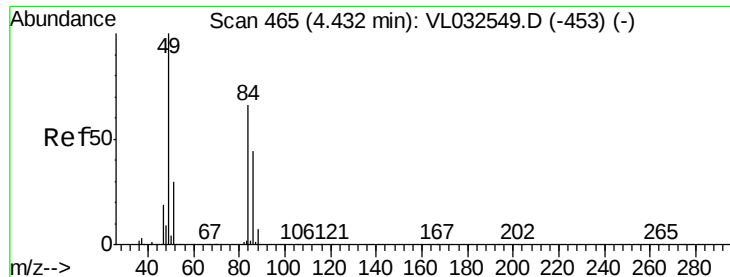
Tgt Ion: 45 Resp: 707998

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

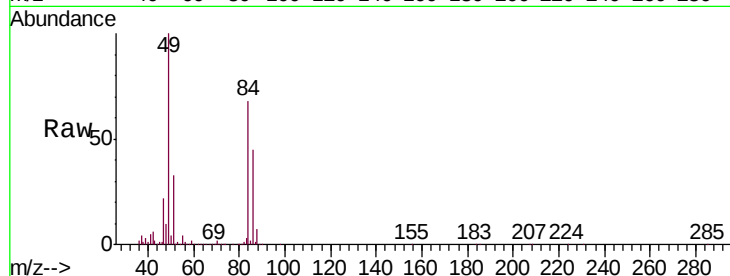




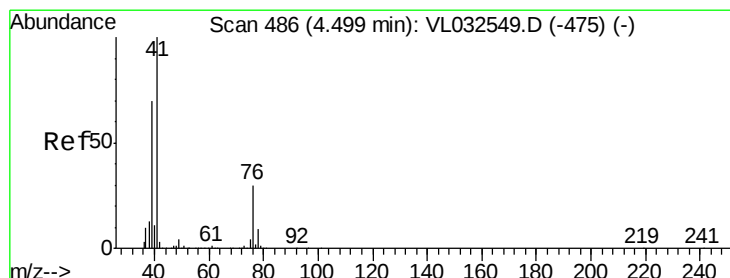
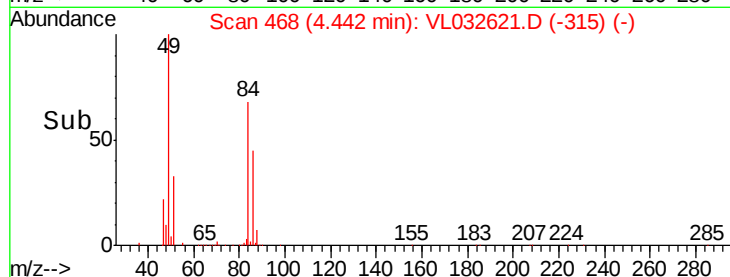
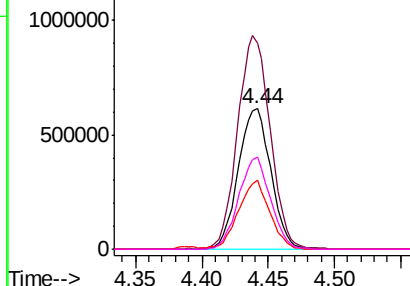
#20
Methylene Chloride
Concen: 18.402 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518

Tgt Ion: 84 Resp: 1050593
Ion Ratio Lower Upper
84 100
49 146.7 119.1 178.7
51 48.7 35.2 52.8
86 65.7 49.4 74.2

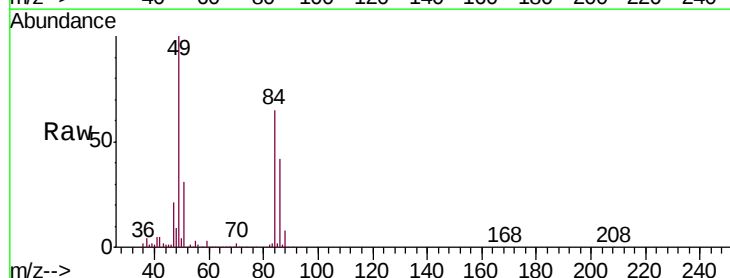


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

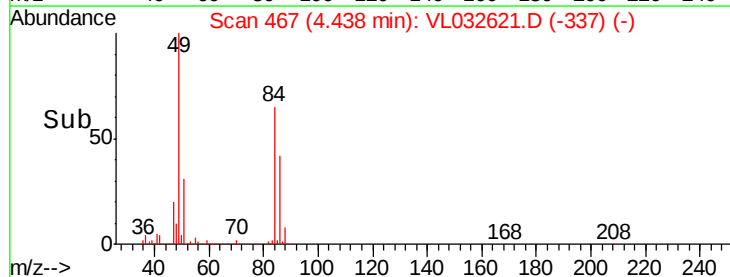
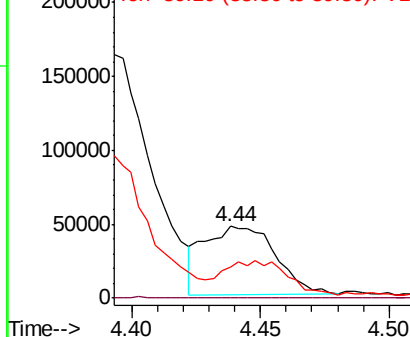


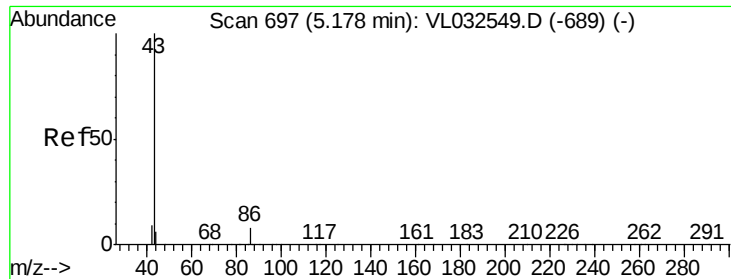
#21
Allyl Chloride
Concen: 0.920 ppbv
RT: 4.44 min Scan# 467
Delta R.T. -0.08 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

Tgt Ion: 41 Resp: 88690
Ion Ratio Lower Upper
41 100
76 0.0 23.6 35.4#
39 56.9 57.7 86.5#



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: 5.323 ppbv

RT: 5.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518

Tgt Ion: 43 Resp: 1108895

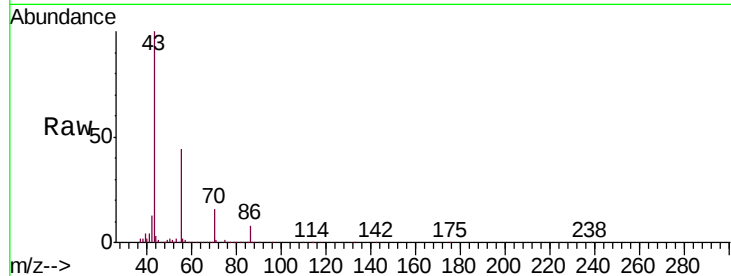
Ion Ratio Lower Upper

43 100

86 8.5 5.9 8.9

42 12.4 6.9 10.3#

44 2.9 4.6 7.0#

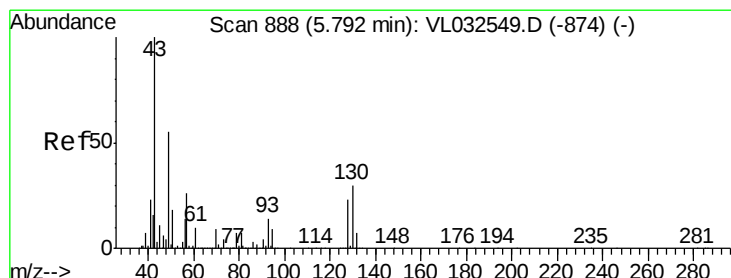
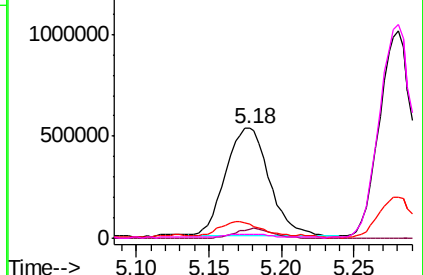
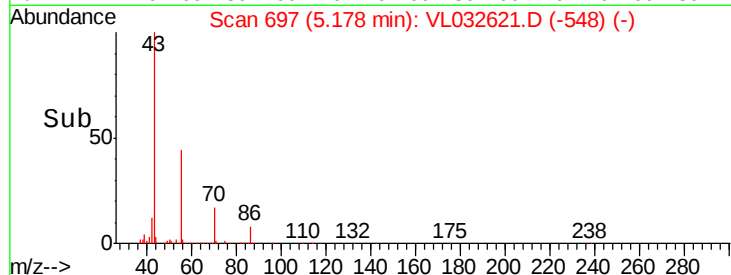


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.718 ppbv

RT: 5.80 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Tgt Ion: 43 Resp: 491379

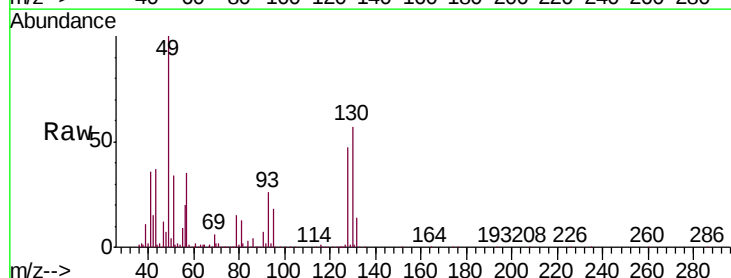
Ion Ratio Lower Upper

43 100

45 8.0 8.0 12.0#

61 5.4 7.6 11.4#

70 6.9 5.8 8.8

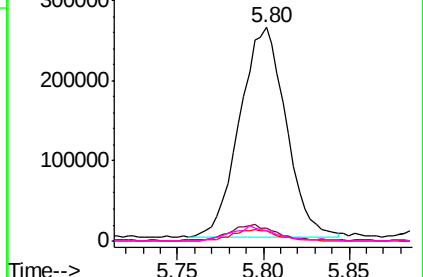
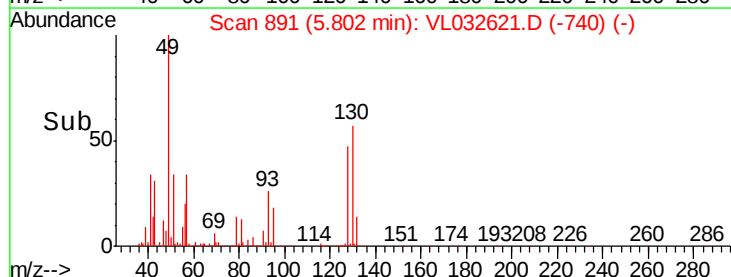


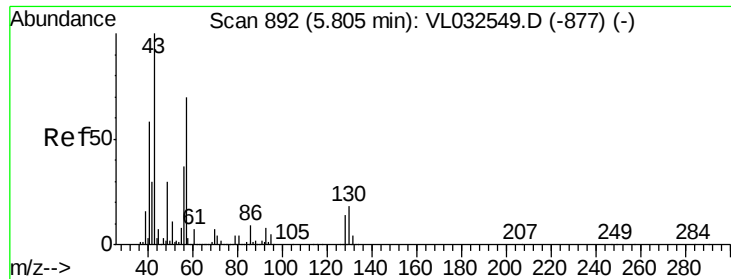
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 3.217 ppbv

RT: 5.80 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518

Tgt Ion: 57 Resp: 415710

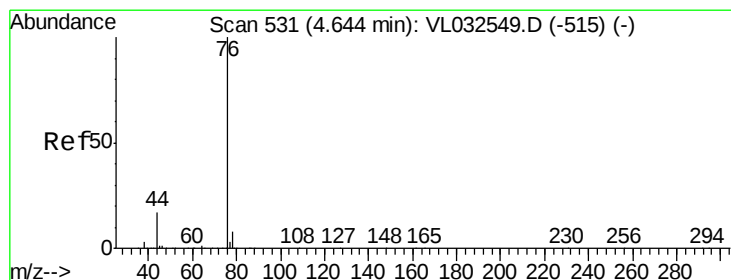
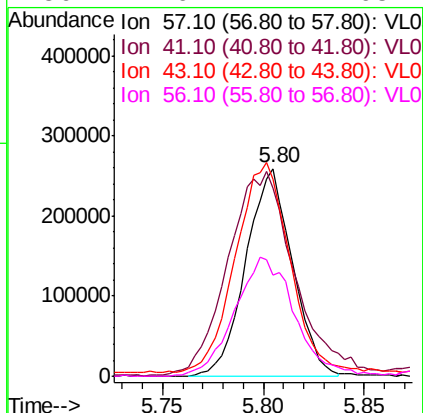
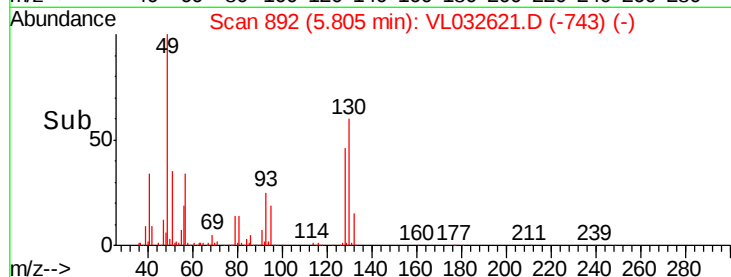
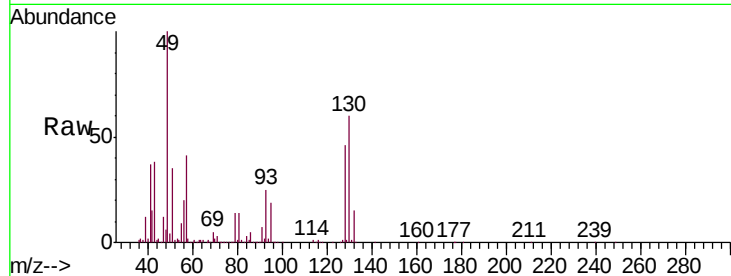
Ion Ratio Lower Upper

57 100

41 142.1 69.0 103.4#

43 119.2 172.1 258.1#

56 74.6 42.2 63.2#



#27

Carbon Disulfide

Concen: 0.945 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

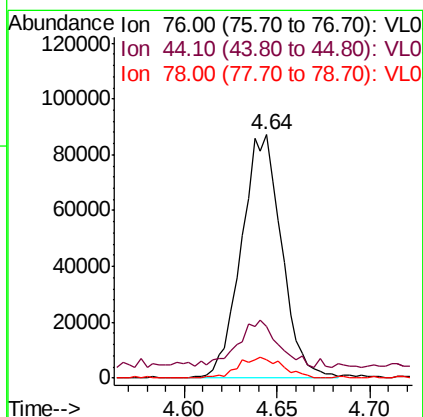
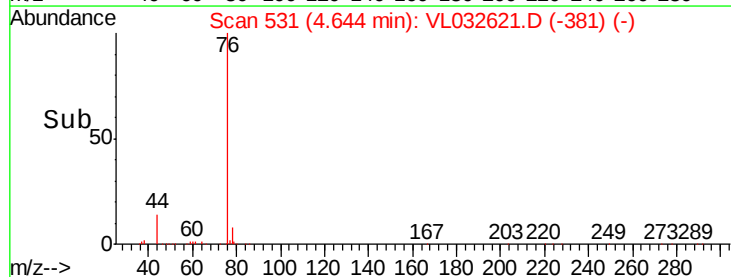
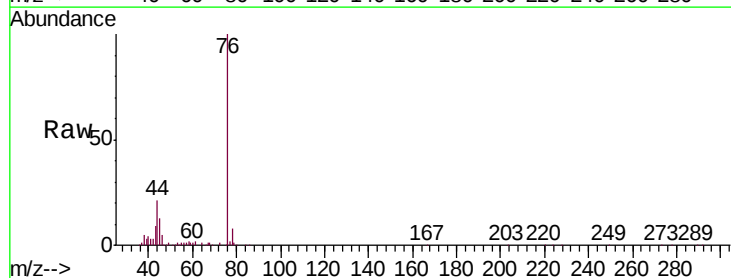
Tgt Ion: 76 Resp: 131317

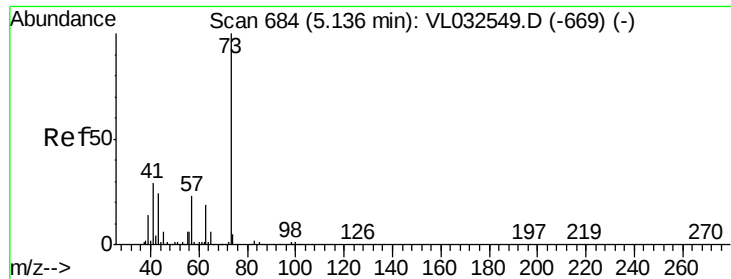
Ion Ratio Lower Upper

76 100

44 22.4 14.0 21.0#

78 9.9 7.5 11.3





#28

Methyl tert-Butyl Ether

Concen: 0.043 ppbv

RT: 5.13 min Scan# 683

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

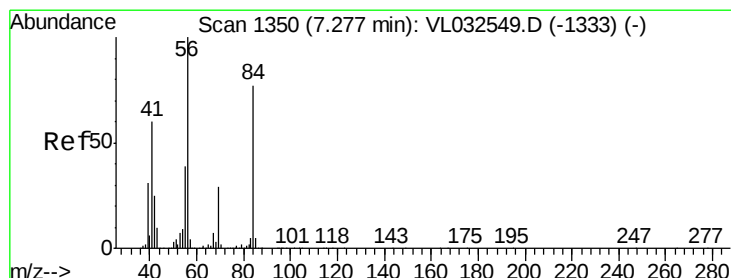
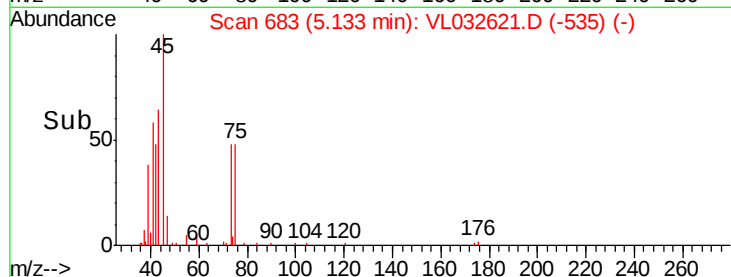
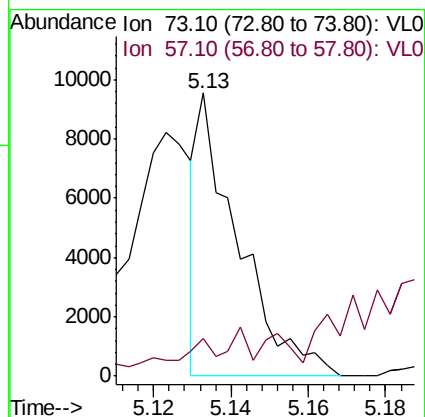
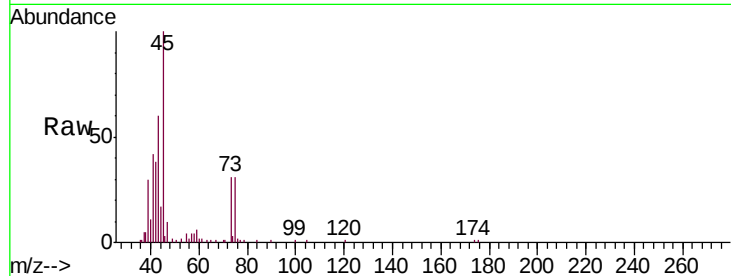
Q4-SVI-100518

Tgt Ion: 73 Resp: 6912

Ion Ratio Lower Upper

73 100

57 0.0 19.3 28.9#



#30

Cyclohexane

Concen: 0.039 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.02 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

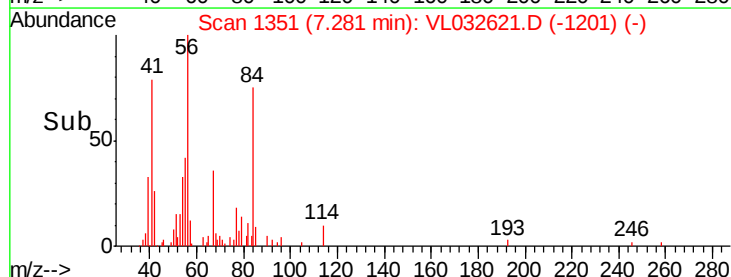
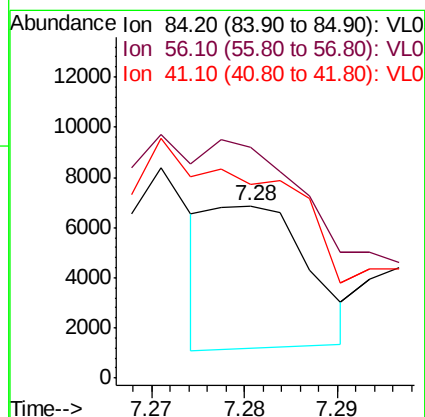
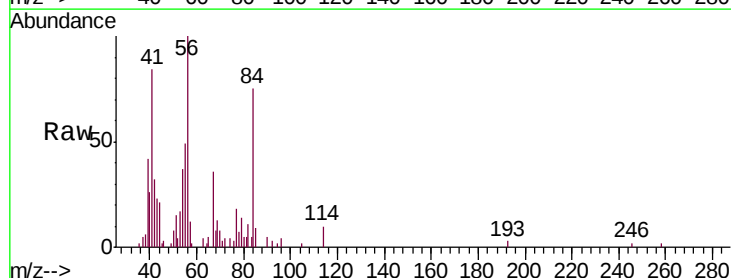
Tgt Ion: 84 Resp: 4133

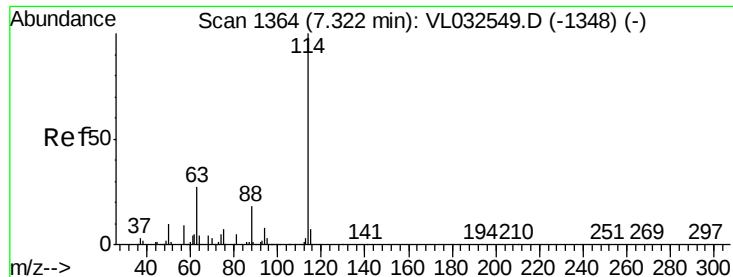
Ion Ratio Lower Upper

84 100

56 0.0 113.5 170.3#

41 0.0 68.1 102.1#

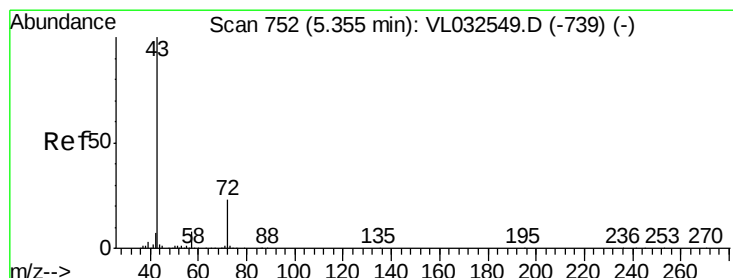
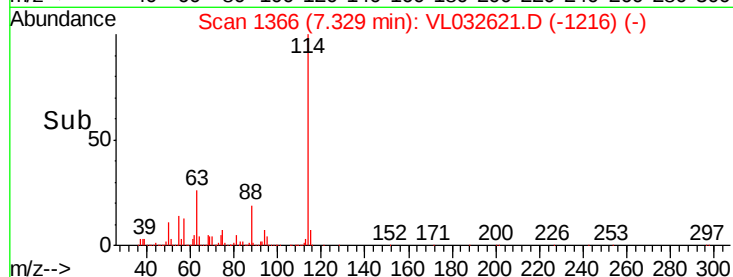
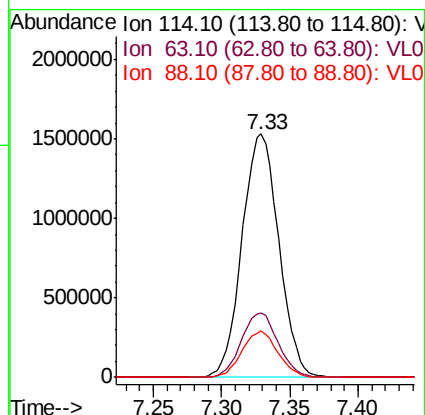
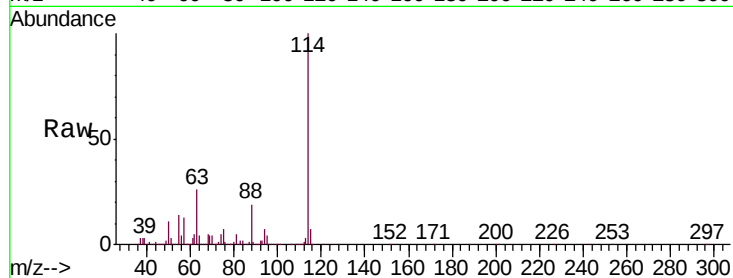




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VL032621.D
 Acq: 12 Oct 2018 2:09

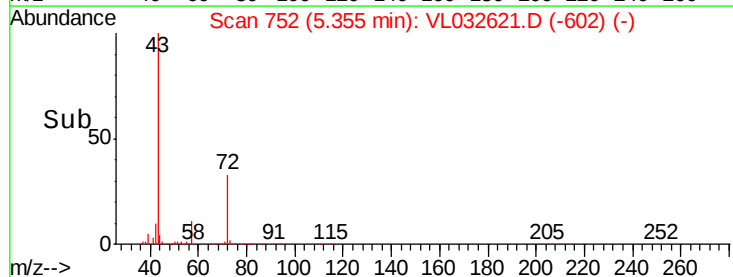
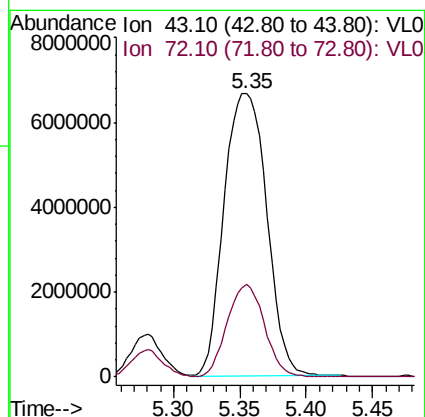
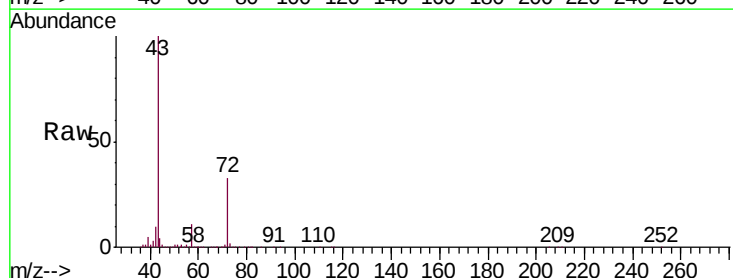
Instrument :
 MSVOA_L
 ClientSampleId :
 Q4-SVI-100518

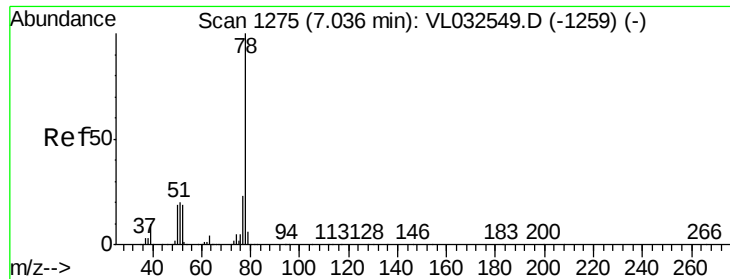
Tgt Ion:114 Resp: 2867310
 Ion Ratio Lower Upper
 114 100
 63 26.7 22.2 33.4
 88 18.8 15.0 22.4



#34
 2-Butanone
 Concen: 87.276 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032621.D
 Acq: 12 Oct 2018 2:09

Tgt Ion: 43 Resp:14902147
 Ion Ratio Lower Upper
 43 100
 72 28.7 17.8 26.6#

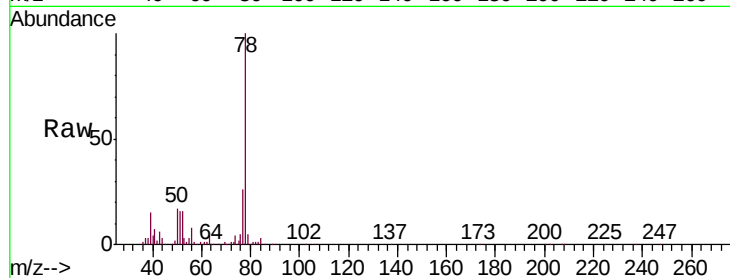




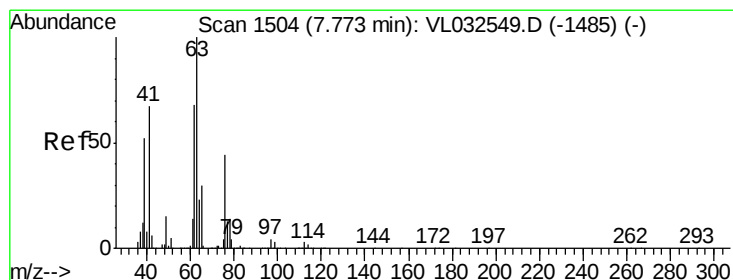
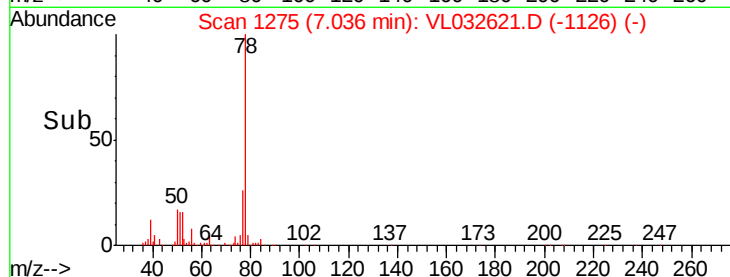
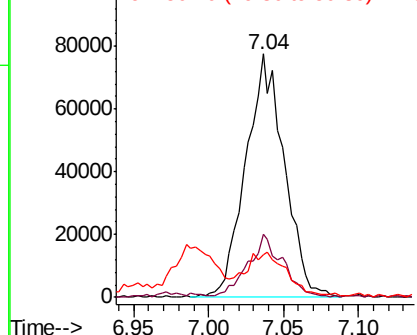
#36
Benzene
Concen: 0.601 ppbv
RT: 7.04 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.4	27.6
50	16.4	14.4	21.6

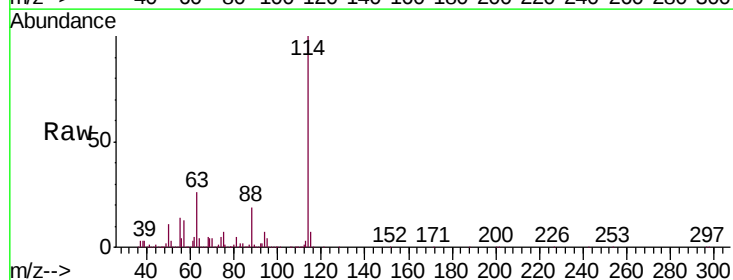


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

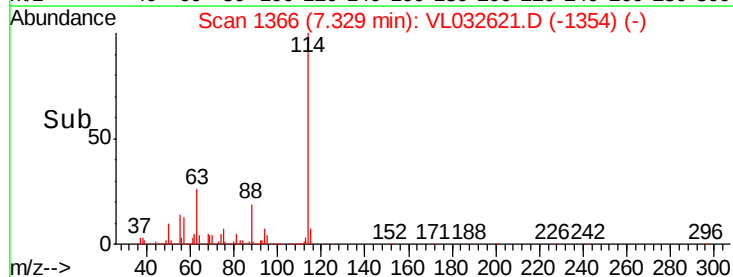
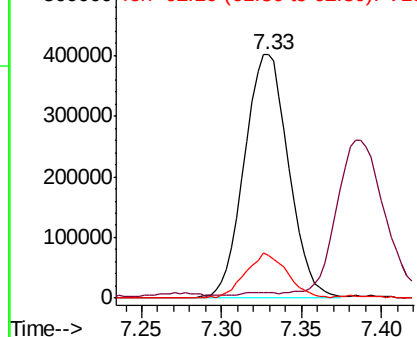


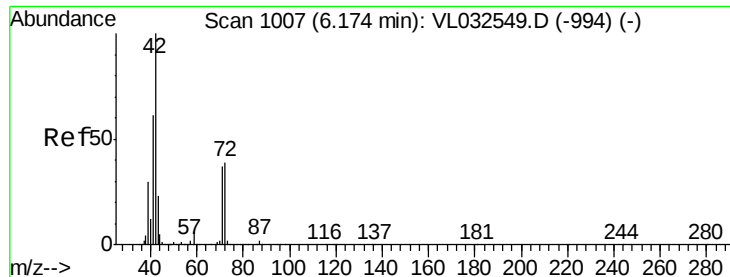
#39
1,2-Dichloropropane
Concen: 7.250 ppbv
RT: 7.33 min Scan# 1366
Delta R.T. -0.46 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.5	55.4	83.0#
62	17.7	55.4	83.0#



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: 0.047 ppbv

RT: 6.18 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

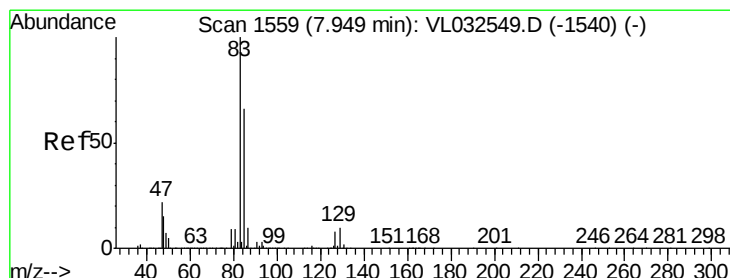
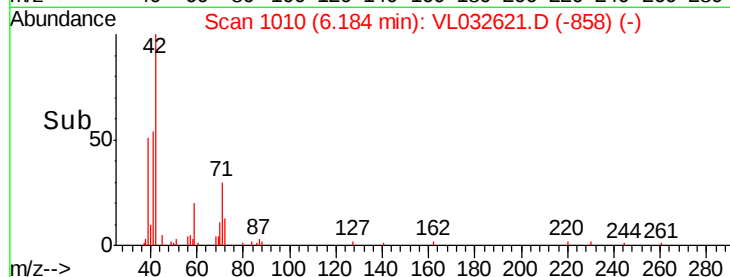
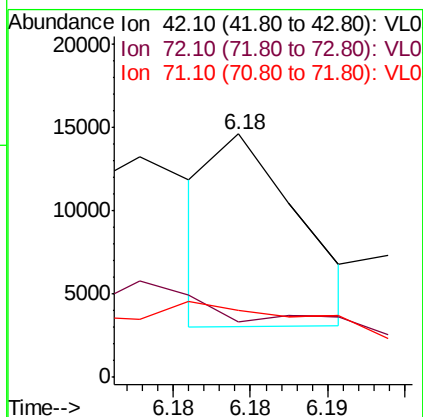
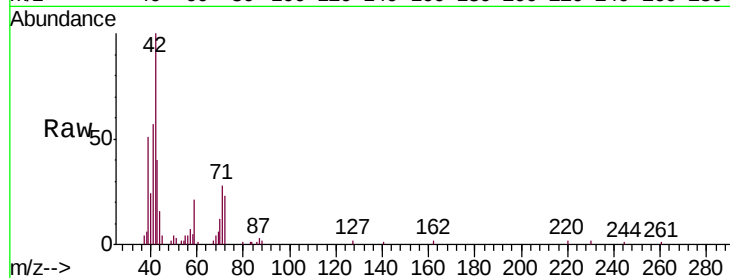
Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518

Tgt Ion:	42	Resp:	4383
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.5	44.3#
71	196.8	28.3	42.5#



#42

Bromodichloromethane

Concen: 0.082 ppbv

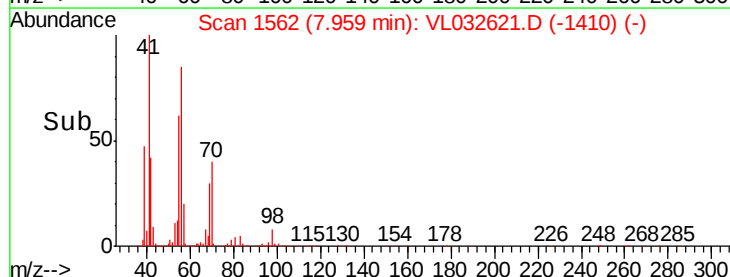
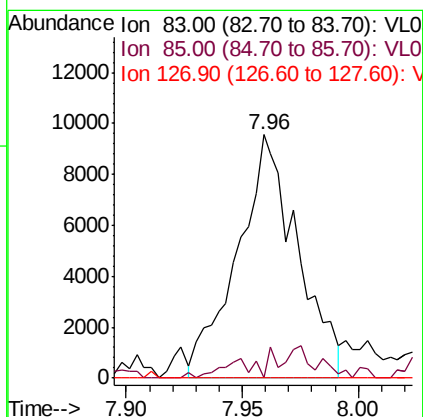
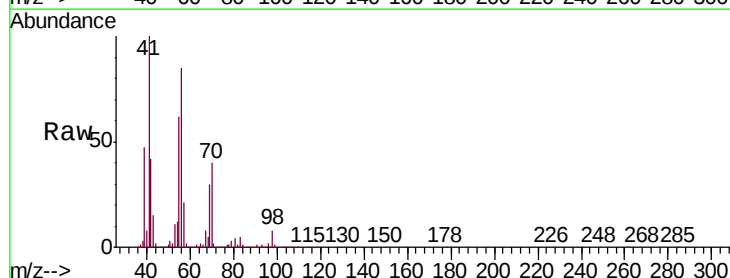
RT: 7.96 min Scan# 1562

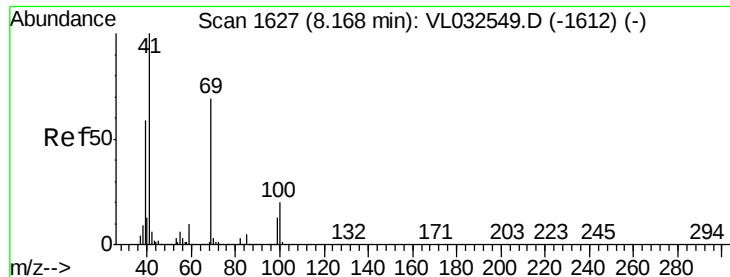
Delta R.T. -0.01 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Tgt Ion:	83	Resp:	17201
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.1	76.7#
127	0.0	5.8	8.8#

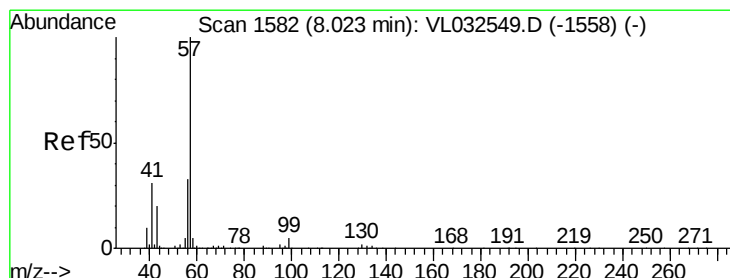
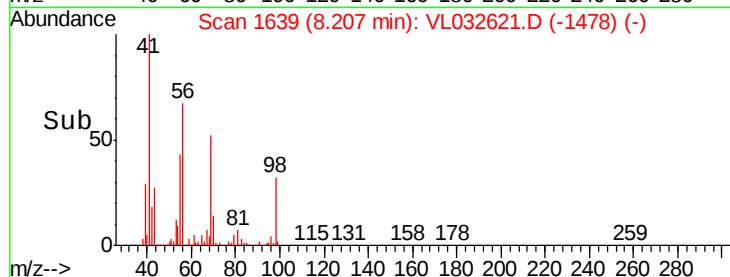
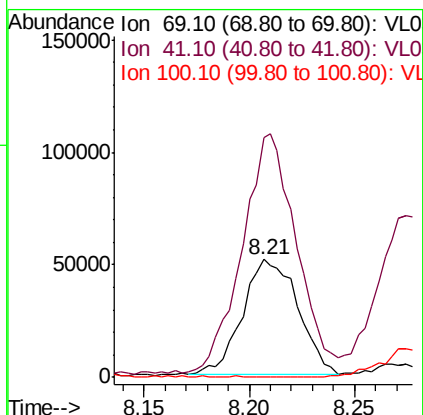
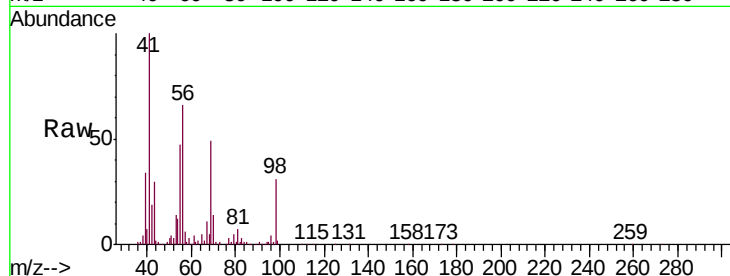




#43
Methyl Methacrylate
Concen: 0.975 ppbv
RT: 8.21 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

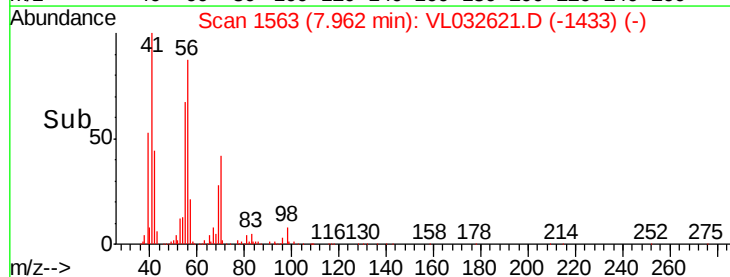
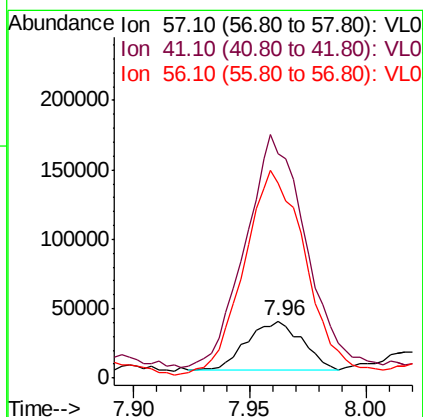
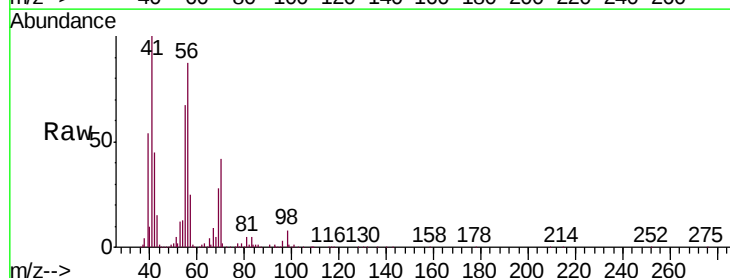
Instrument :
MSVOA_L
ClientSampleId :
Q4-SVI-100518

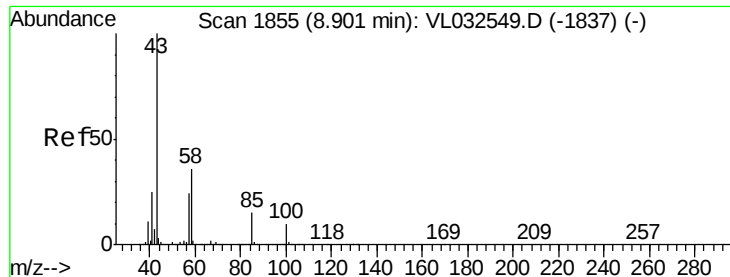
Tgt Ion: 69 Resp: 94400
Ion Ratio Lower Upper
69 100
41 204.8 117.1 175.7#
100 3.2 23.4 35.2#



#44
2,2,4-Trimethylpentane
Concen: 0.128 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.08 min
Lab File: VL032621.D
Acq: 12 Oct 2018 2:09

Tgt Ion: 57 Resp: 57829
Ion Ratio Lower Upper
57 100
41 618.3 24.4 36.6#
56 492.4 25.7 38.5#

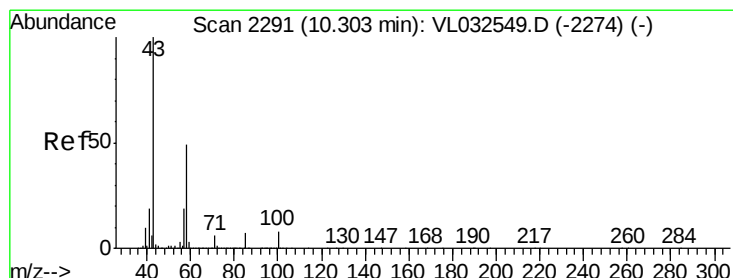
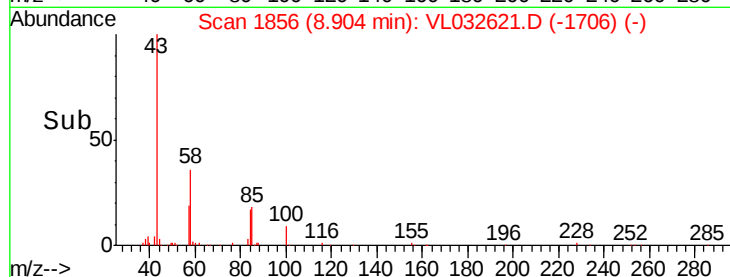
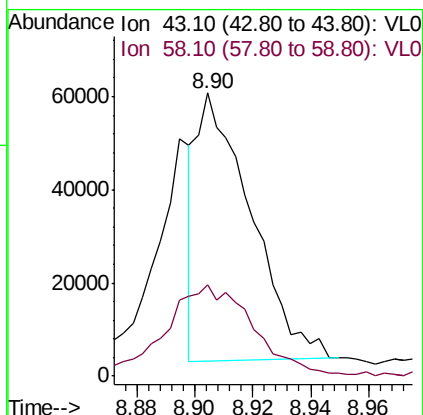
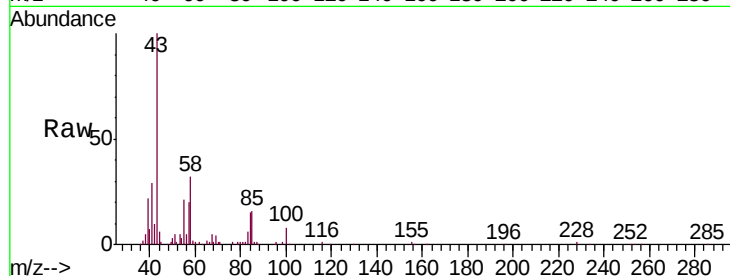




#50
 4-Methyl-2-Pentanone
 Concen: 0.277 ppbv
 RT: 8.90 min Scan# 1856
 Delta R.T. -0.02 min
 Lab File: VL032621.D
 Acq: 12 Oct 2018 2:09

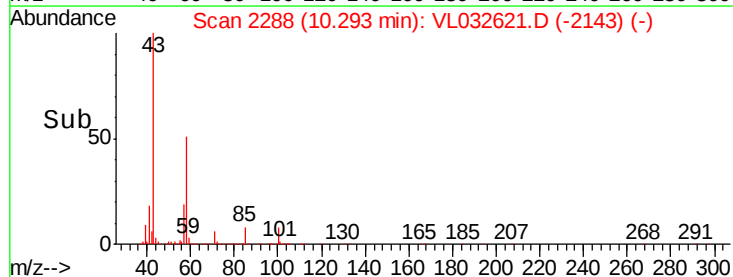
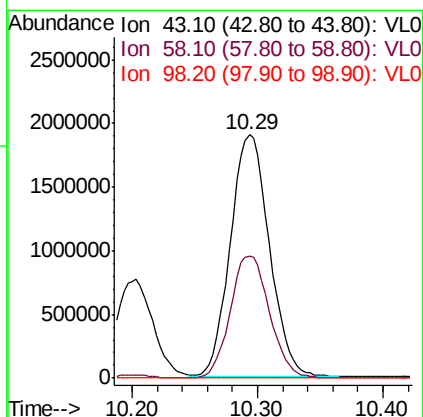
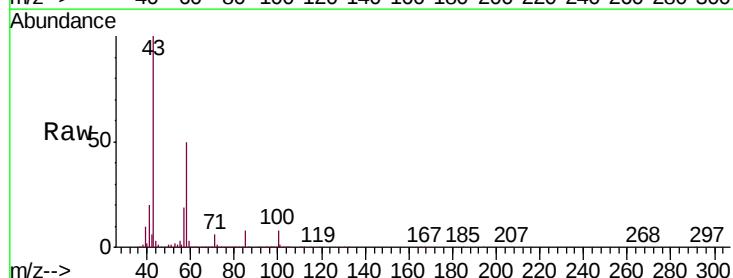
Instrument :
 MSVOA_L
 ClientSampleId :
 Q4-SVI-100518

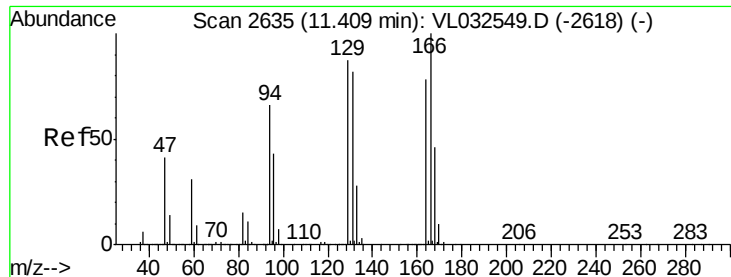
Tgt Ion: 43 Resp: 74364
 Ion Ratio Lower Upper
 43 100
 58 57.6 29.0 43.4#



#51
 2-Hexanone
 Concen: 18.499 ppbv
 RT: 10.29 min Scan# 2288
 Delta R.T. -0.03 min
 Lab File: VL032621.D
 Acq: 12 Oct 2018 2:09

Tgt Ion: 43 Resp: 4106299
 Ion Ratio Lower Upper
 43 100
 58 50.8 39.2 58.8
 98 0.3 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.366 ppbv

RT: 11.40 min Scan# 2632

Delta R.T. -0.03 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518

Tgt Ion:164 Resp: 29563

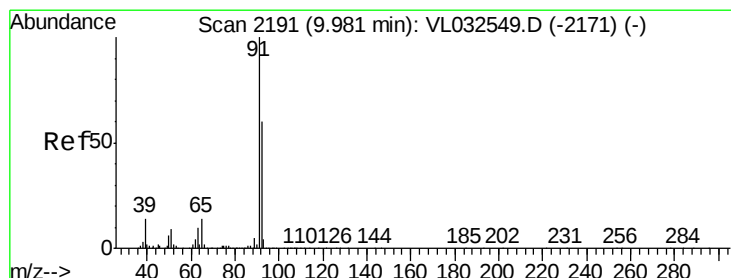
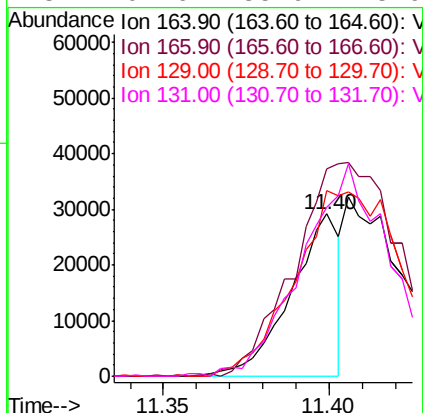
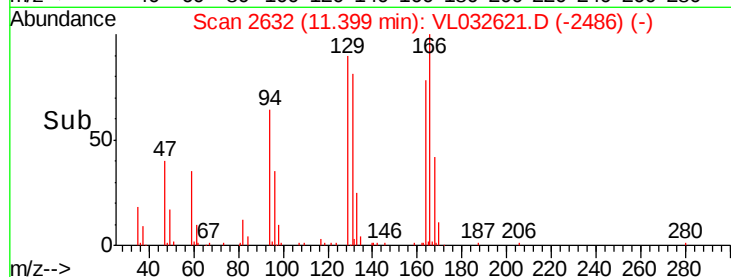
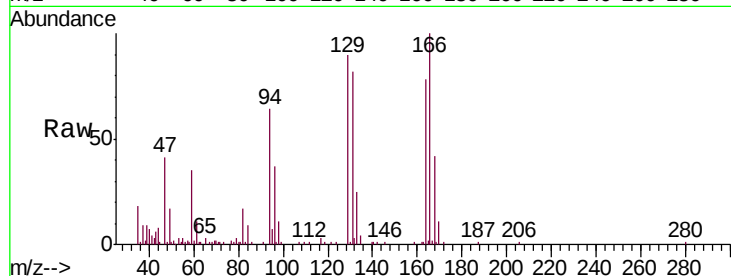
Ion Ratio Lower Upper

164 100

166 127.5 100.6 150.8

129 114.1 89.9 134.9

131 102.6 85.9 128.9



#53

Toluene

Concen: 4.419 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032621.D

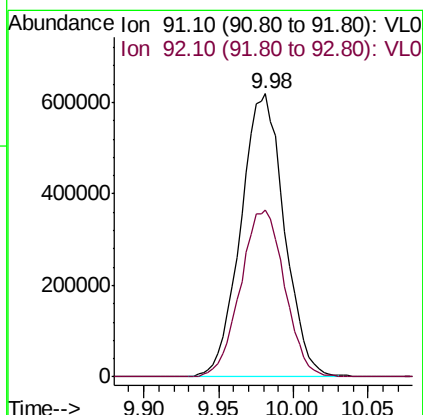
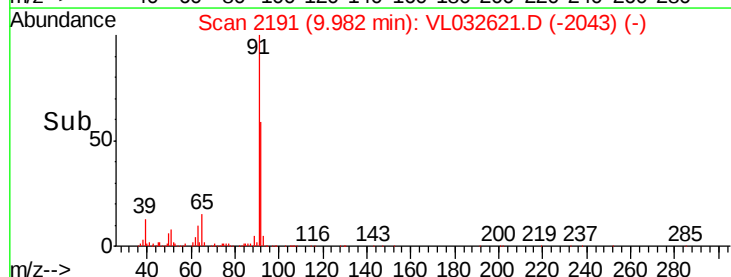
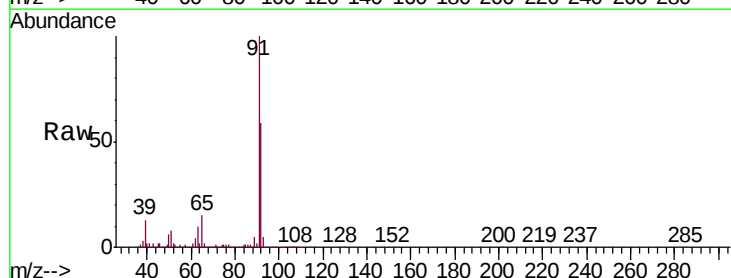
Acq: 12 Oct 2018 2:09

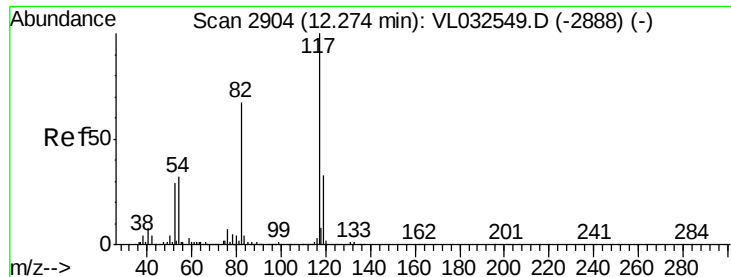
Tgt Ion: 91 Resp: 1247908

Ion Ratio Lower Upper

91 100

92 60.1 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518

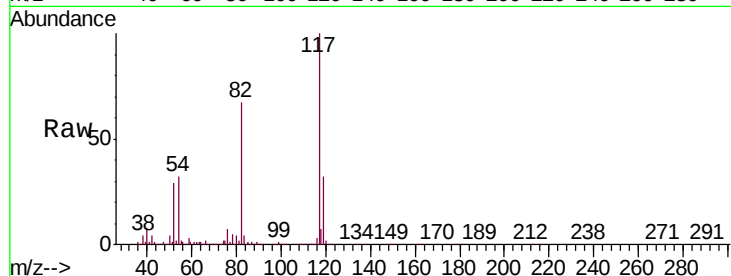
Tgt Ion:117 Resp: 3183171

Ion Ratio Lower Upper

117 100

82 67.4 53.0 79.6

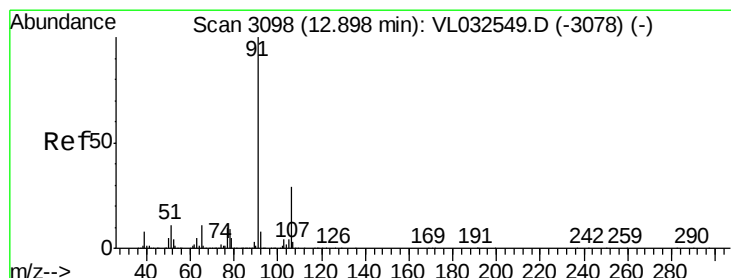
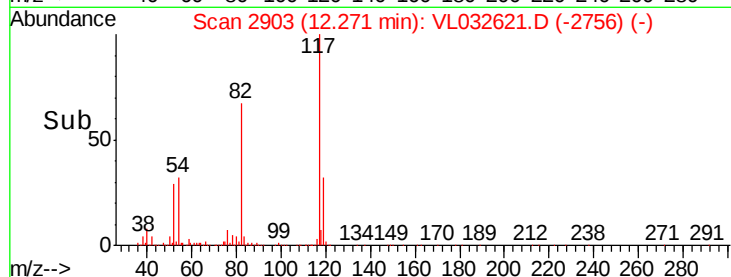
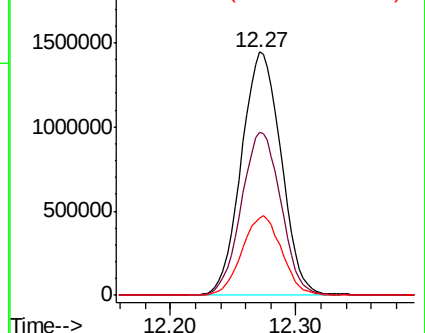
119 32.6 45.9 68.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.136 ppbv

RT: 12.89 min Scan# 3096

Delta R.T. -0.03 min

Lab File: VL032621.D

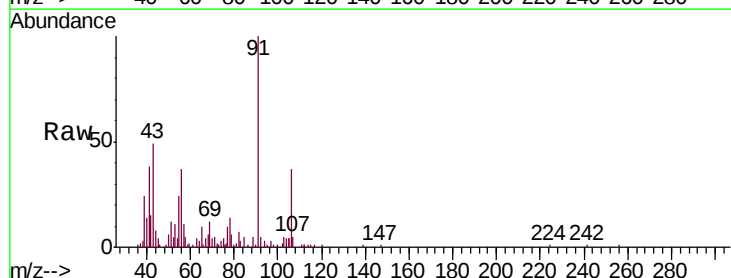
Acq: 12 Oct 2018 2:09

Tgt Ion: 91 Resp: 52620

Ion Ratio Lower Upper

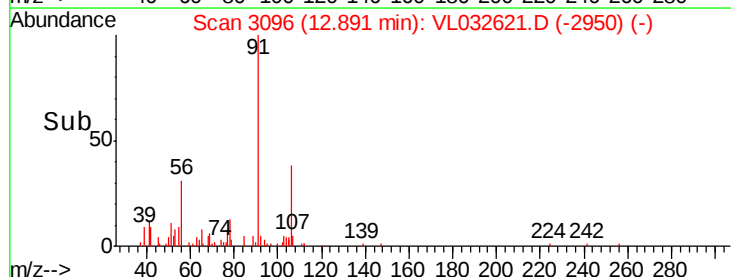
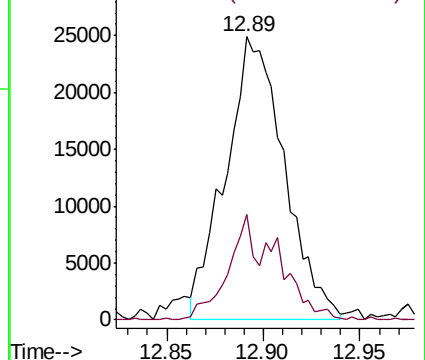
91 100

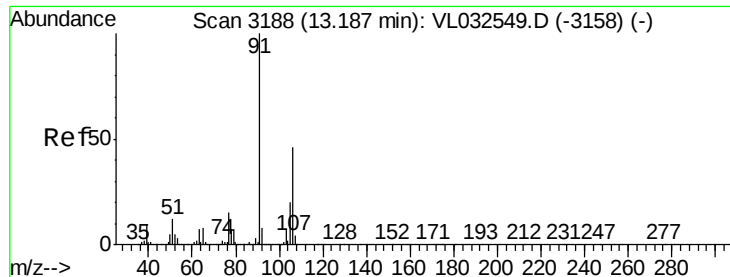
106 37.3 24.8 37.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.089 ppbv

RT: 13.18 min Scan# 3186

Delta R.T. -0.03 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

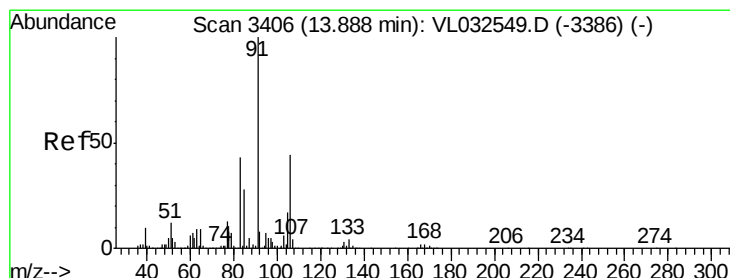
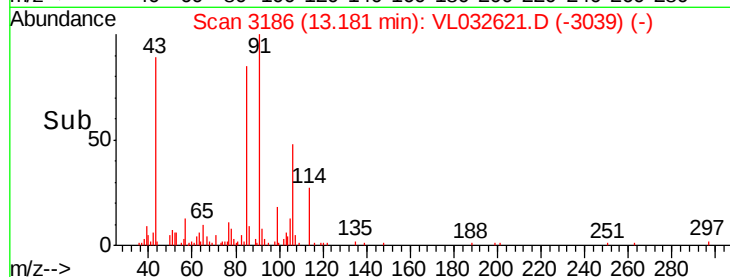
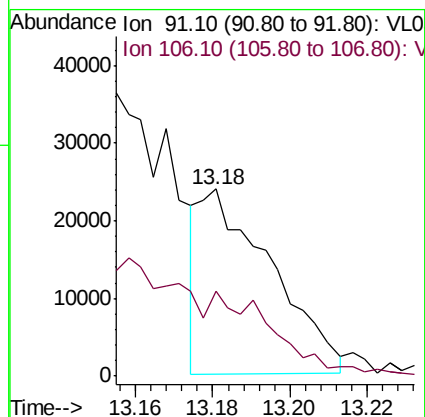
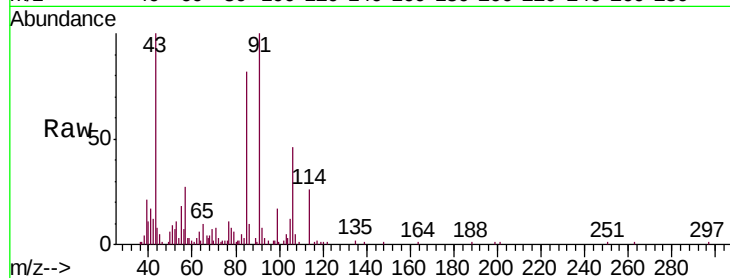
Q4-SVI-100518

Tgt Ion: 91 Resp: 30632

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#



#60

o-Xylene

Concen: 0.032 ppbv

RT: 13.88 min Scan# 3404

Delta R.T. -0.03 min

Lab File: VL032621.D

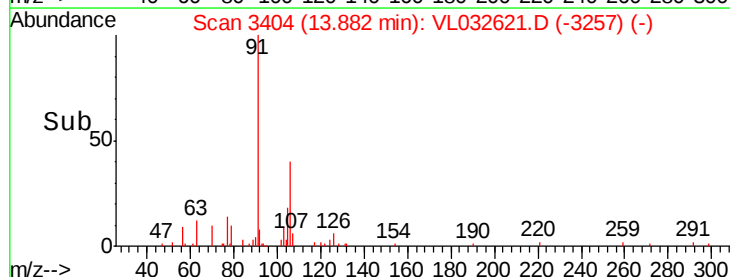
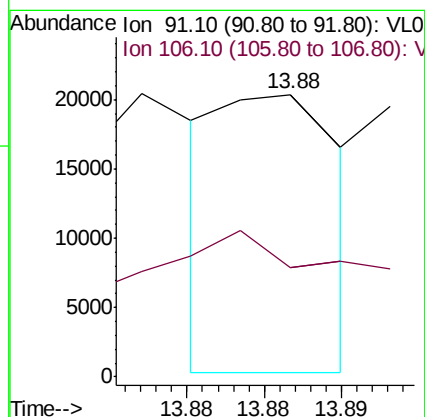
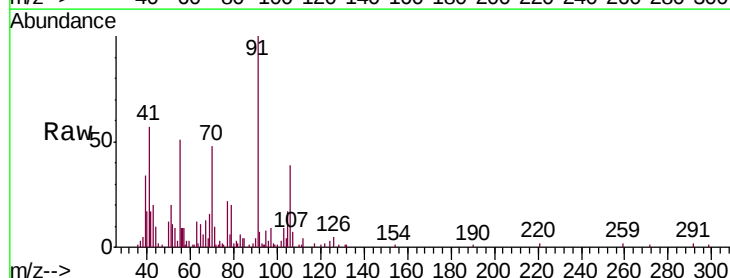
Acq: 12 Oct 2018 2:09

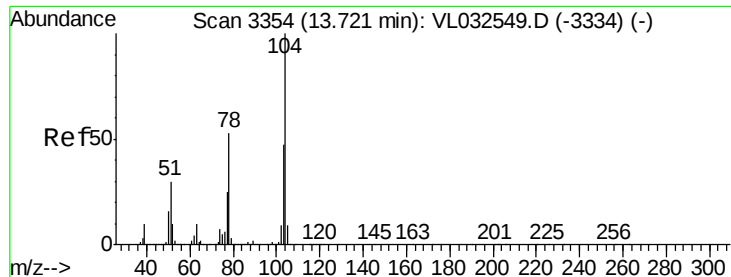
Tgt Ion: 91 Resp: 10804

Ion Ratio Lower Upper

91 100

106 177.2 21.9 65.7#





#61

Styrene

Concen: 0.043 ppbv

RT: 13.71 min Scan# 3350

Delta R.T. -0.03 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

Instrument :

MSVOA_L

ClientSampleId :

Q4-SVI-100518

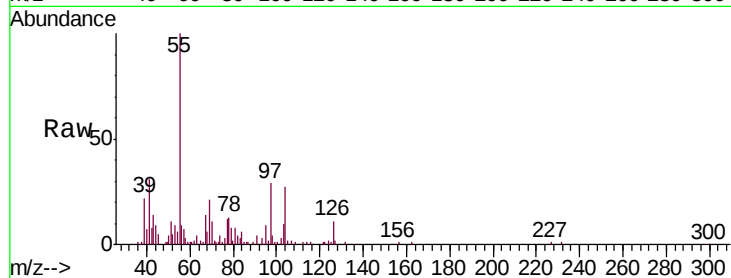
Tgt Ion: 104 Resp: 9436

Ion Ratio Lower Upper

104 100

78 0.0 41.8 62.8#

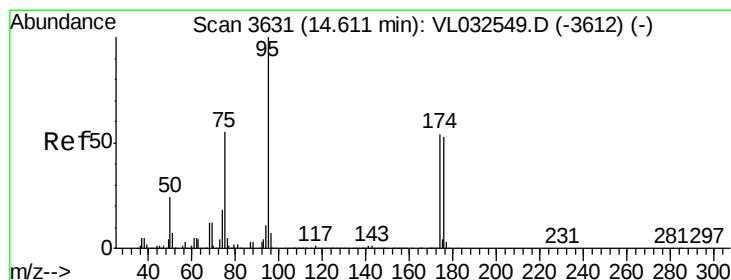
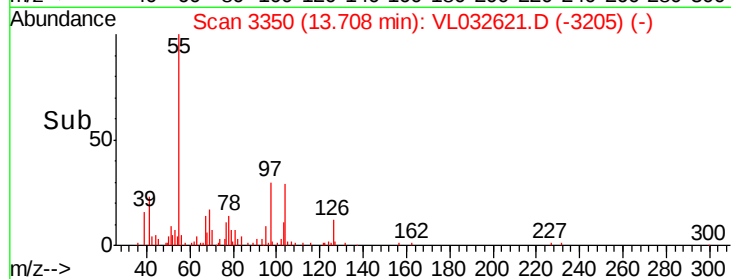
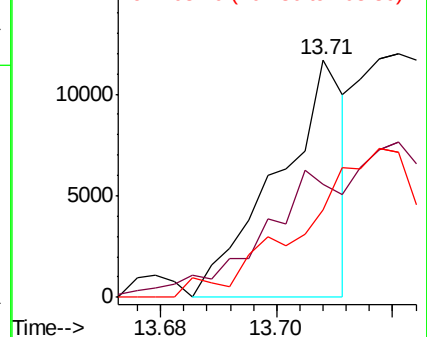
103 0.0 38.0 57.0#



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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.602 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032621.D

Acq: 12 Oct 2018 2:09

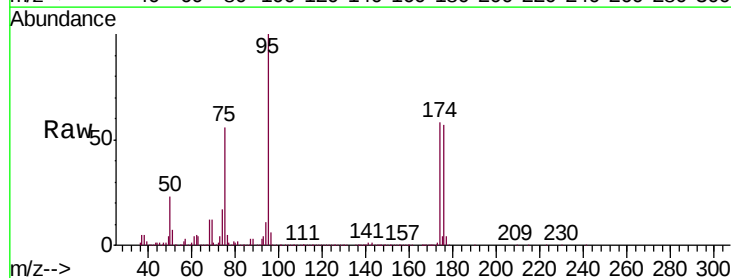
Tgt Ion: 95 Resp: 2304896

Ion Ratio Lower Upper

95 100

174 59.0 46.3 69.5

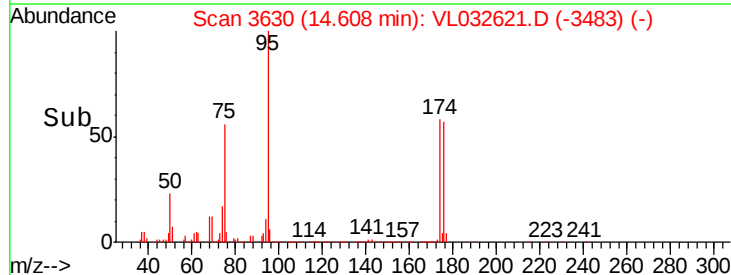
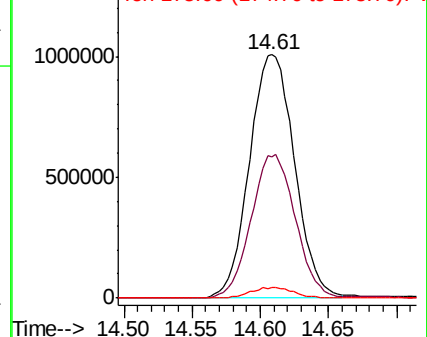
175 4.3 3.4 5.0

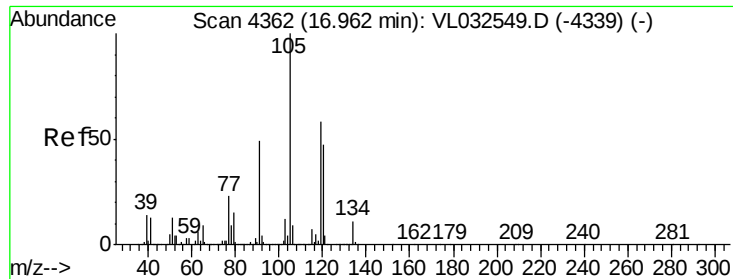


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

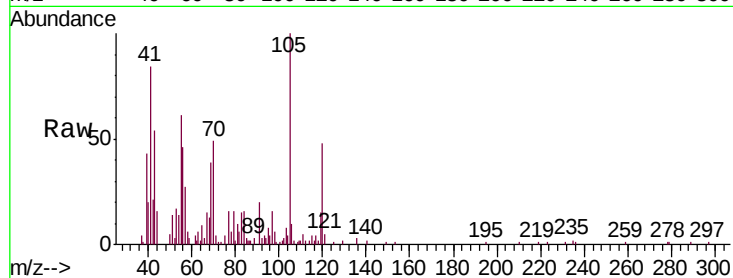




#74
 1,2,4-Trimethylbenzene
 Concen: 0.086 ppbv
 RT: 16.96 min Scan# 4361
 Delta R.T. -0.02 min
 Lab File: VL032621.D
 Acq: 12 Oct 2018 2:09

Instrument :
 MSVOA_L
 ClientSampleId :
 Q4-SVI-100518

Tgt Ion:	105	Resp:	32558
Ion Ratio	Lower	Upper	
105	100		
120	47.0	37.8	56.8
91	14.4	41.4	62.0#
77	13.2	18.6	28.0#



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

