

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026845.D
 Acq On : 10 Feb 2016 8:13
 Operator : SY/AP
 Sample : H1404-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: Feb 10 10:36:08 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 03:14:04 2016
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	1641393	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4765700	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	3226328	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2810622	12.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	121.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.67	85	204213	0.58	ppbv	98
3) Chlorodifluoromethane	3.60	51	2928631	11.00	ppbv	98
4) Chloromethane	3.78	50	68164	0.65	ppbv	96
5) Vinyl Chloride	3.63	62	3798	0.03	ppbv #	42
7) Chloroethane	4.28	64	2429	0.05	ppbv	95
9) Propene	3.85	41	431555	6.00	ppbv	93
10) Heptane	9.40	43	56828	0.24	ppbv	97
11) Trichlorofluoromethane	4.73	101	106684	0.25	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	5.34	101	24639	0.08	ppbv	98
13) Ethanol	4.36	45	4702579	380.07	ppbv	96
15) Acetone	4.64	43	1411228	6.26	ppbv	90
16) 1,3-Butadiene	3.97	39	24666	0.28	ppbv #	3
17) tert-Butyl alcohol	5.20	59	36992	0.25	ppbv	96
19) Isopropyl Alcohol	4.80	45	739664	9.19	ppbv #	92
20) Methylene Chloride	5.18	84	67707	0.58	ppbv	86
21) Allyl Chloride	5.20	41	17126	0.12	ppbv #	37
23) Vinyl Acetate	6.05	43	173201	0.57	ppbv #	51
25) Ethyl Acetate	6.71	43	206447	0.61	ppbv #	95
26) Hexane	6.70	57	139437	0.73	ppbv #	83
29) Chloroform	6.78	83	18267	0.06	ppbv	96
30) Cyclohexane	8.32	84	19184	0.12	ppbv #	1
34) 2-Butanone	6.24	43	128107	0.55	ppbv	91
35) Carbon Tetrachloride	8.20	117	25371	0.07	ppbv	95
36) Benzene	8.06	78	180824	0.48	ppbv #	94
38) Trichloroethene	9.10	130	32131	0.18	ppbv	96
41) Tetrahydrofuran	7.18	42	32133	0.28	ppbv	97
44) 2,2,4-Trimethylpentane	9.12	57	147381	0.23	ppbv #	79
50) 4-Methyl-2-Pentanone	10.15	43	20696	0.08	ppbv	89
52) Tetrachloroethene	12.83	164	4488	0.03	ppbv #	83
53) Toluene	11.27	91	751871	1.77	ppbv	99
58) Ethyl Benzene	14.46	91	120771	0.31	ppbv	100
59) m/p-Xylene	14.73	91	417679	1.26	ppbv	99
60) o-Xylene	15.53	91	154837	0.43	ppbv	100
61) Styrene	15.36	104	27803	0.23	ppbv	95
62) Isopropylbenzene	16.59	105	20240	0.05	ppbv	99
64) n-propylbenzene	17.57	120	18234	0.16	ppbv	87
65) tert-Butylbenzene	18.87	119	48513	0.12	ppbv #	71
67) sec-Butylbenzene	19.45	105	21709	0.04	ppbv	100
69) p-Isopropyltoluene	19.83	119	50205	0.12	ppbv #	74
70) n-Butylbenzene	20.80	91	62595	0.15	ppbv #	49
72) 4-Ethyltoluene	17.86	105	138877	0.42	ppbv	98

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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

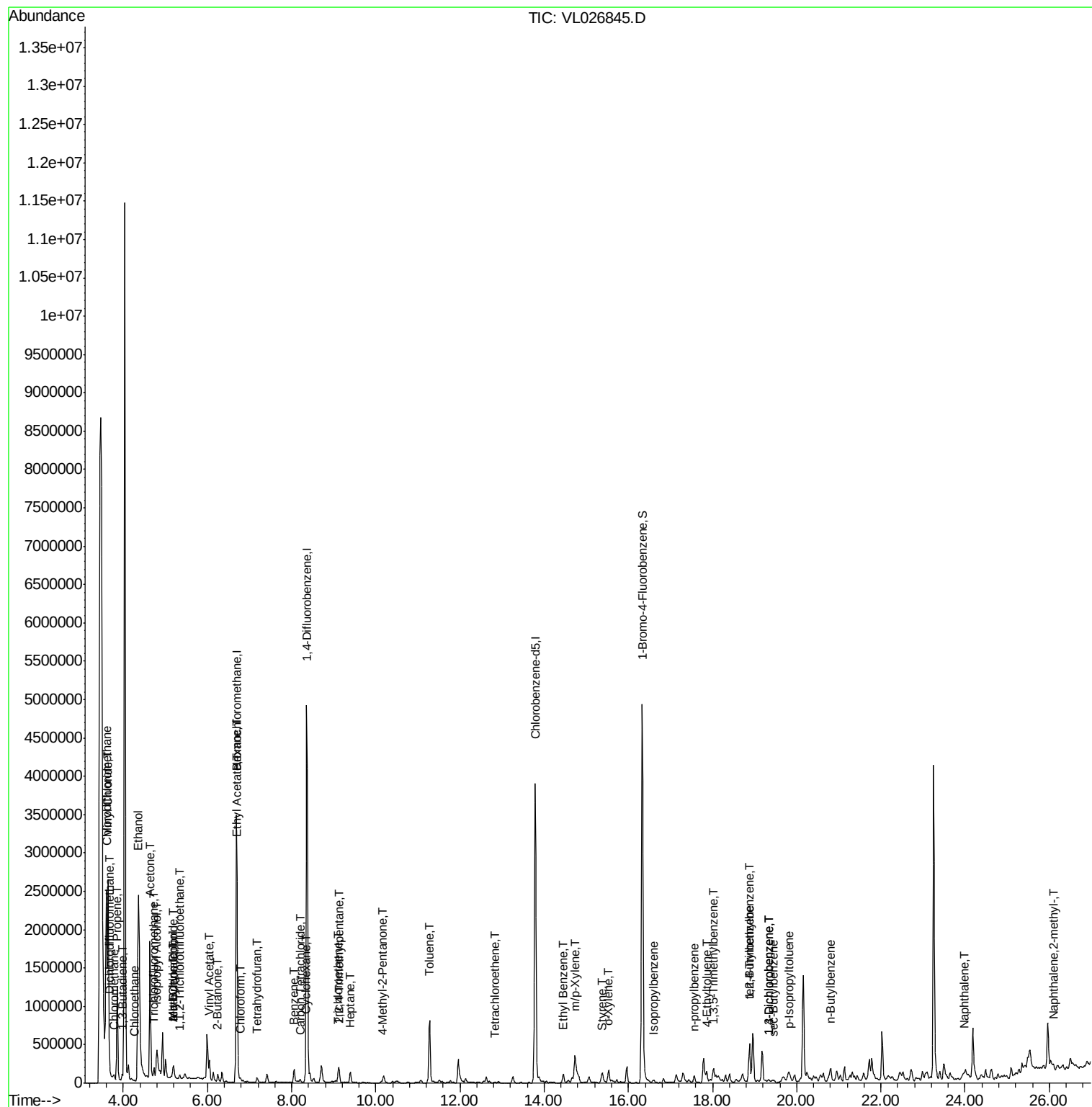
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	18.03	105	119576	0.37	ppbv	96
74) 1,2,4-Trimethylbenzene	18.88	105	405728	1.10	ppbv #	68
75) 1,3-Dichlorobenzene	19.32	146	10198	0.05	ppbv #	51
76) 1,4-Dichlorobenzene	19.32	146	10198	0.05	ppbv	86
79) Naphthalene	23.97	128	76785	0.43	ppbv #	91
80) Naphthalene,2-methyl-	26.09	142	35603	0.49	ppbv #	79

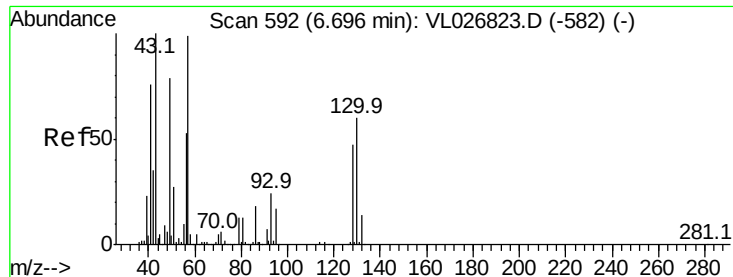
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

IA-2

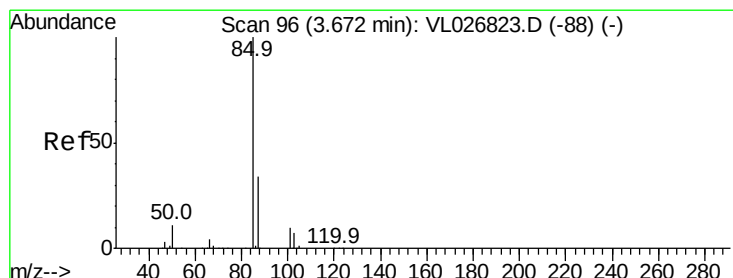
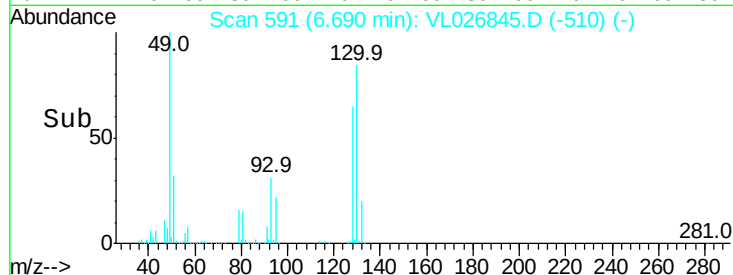
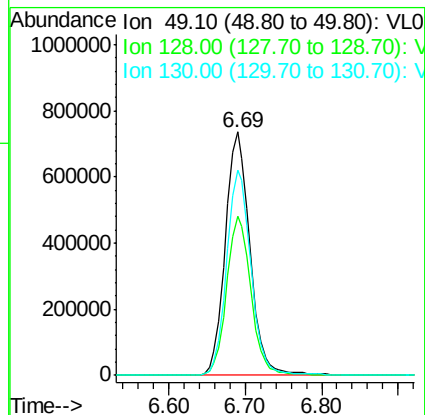
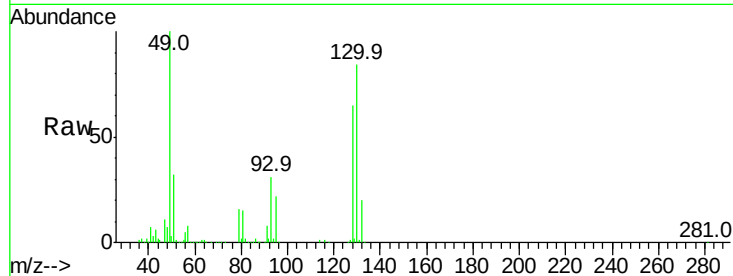
Tgt Ion: 49 Resp: 1641393

Ion Ratio Lower Upper

49 100

128 65.2 29.7 89.1

130 84.0 38.3 114.8



#2

Dichlorodifluoromethane

Concen: 0.58 ppbv

RT: 3.67 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL026845.D

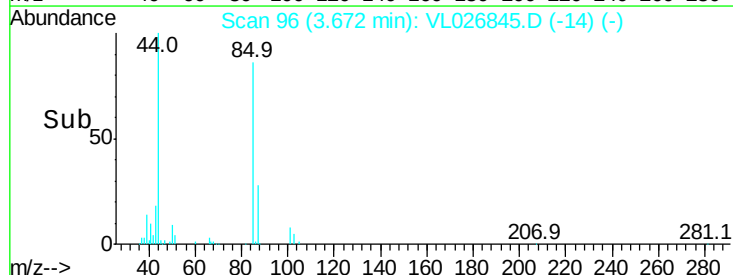
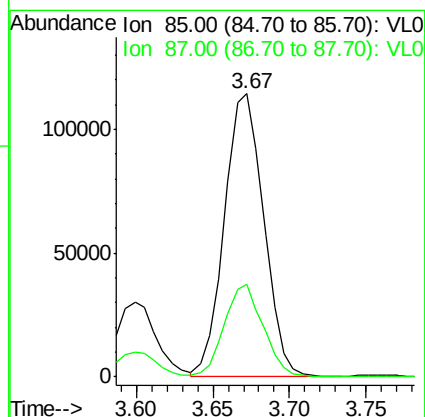
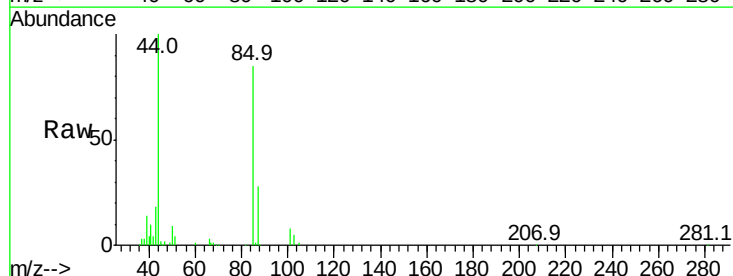
Acq: 10 Feb 2016 8:13

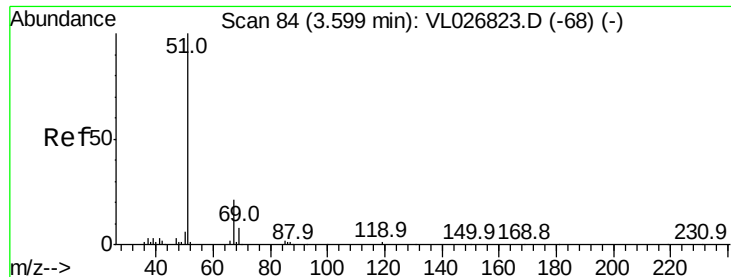
Tgt Ion: 85 Resp: 204213

Ion Ratio Lower Upper

85 100

87 32.7 27.3 40.9





#3

Chlorodifluoromethane

Concen: 11.00 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

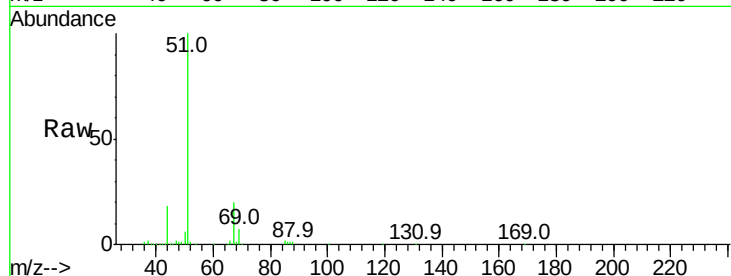
IA-2

Tgt Ion: 51 Resp: 2928631

Ion Ratio Lower Upper

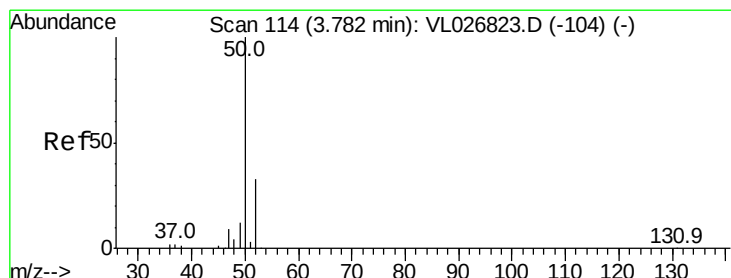
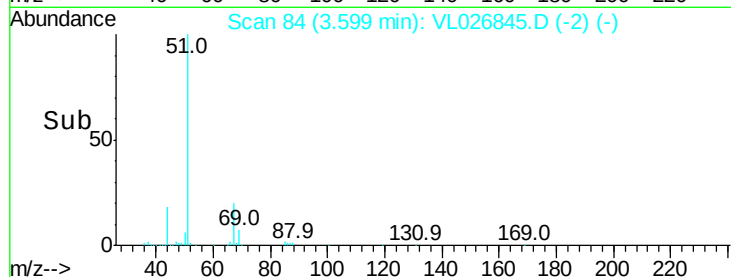
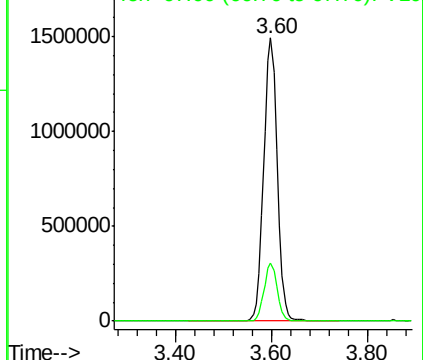
51 100

67 19.8 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.65 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL026845.D

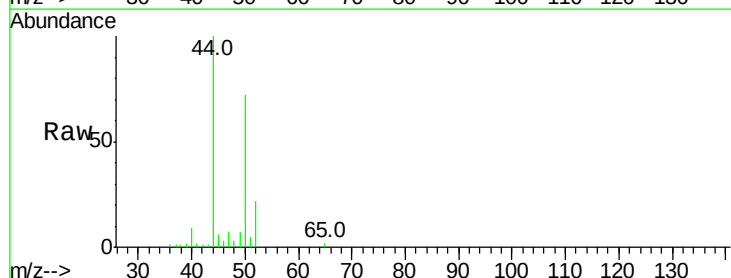
Acq: 10 Feb 2016 8:13

Tgt Ion: 50 Resp: 68164

Ion Ratio Lower Upper

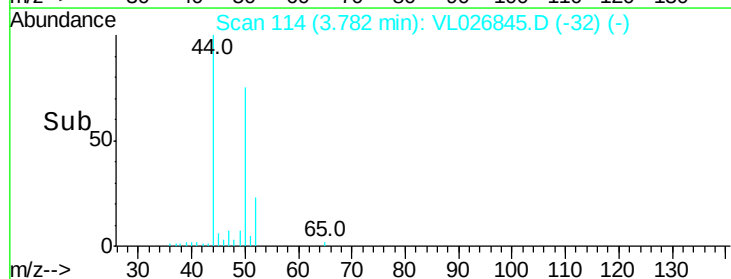
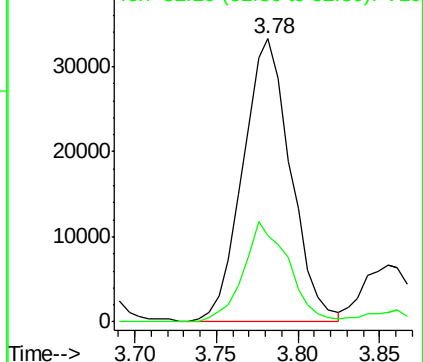
50 100

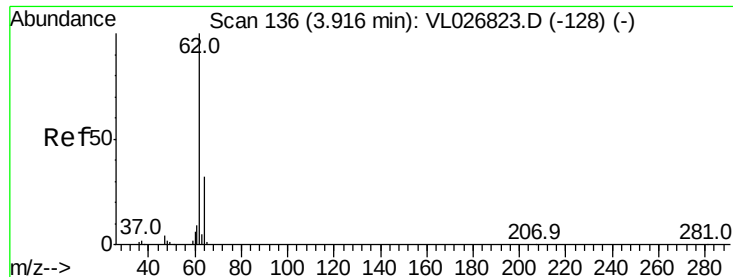
52 30.5 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.03 ppbv

RT: 3.63 min Scan# 89

Delta R.T. -0.29 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

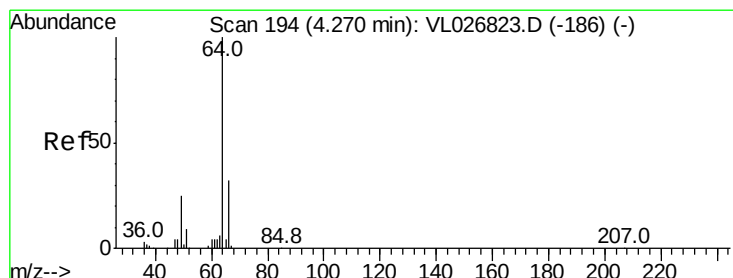
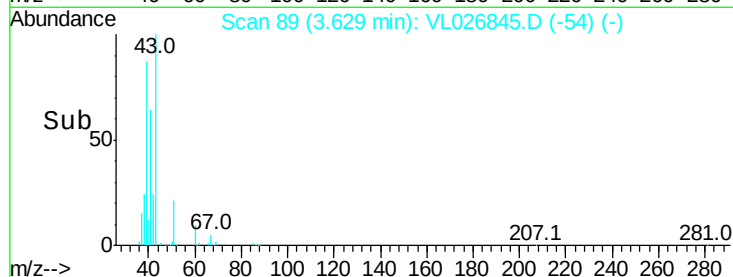
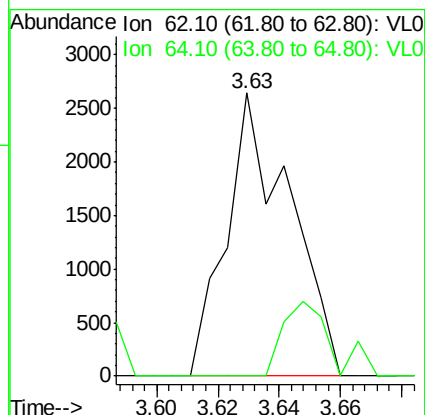
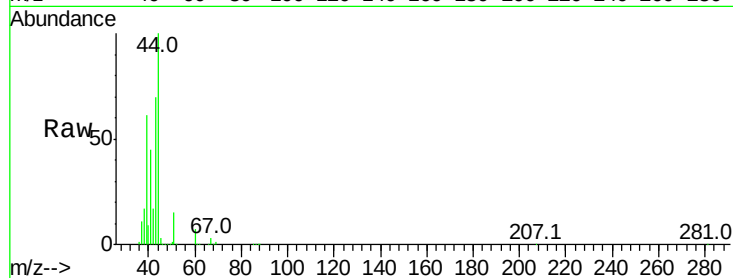
IA-2

Tgt Ion: 62 Resp: 3798

Ion Ratio Lower Upper

62 100

64 0.0 25.8 38.6#



#7

Chloroethane

Concen: 0.05 ppbv

RT: 4.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VL026845.D

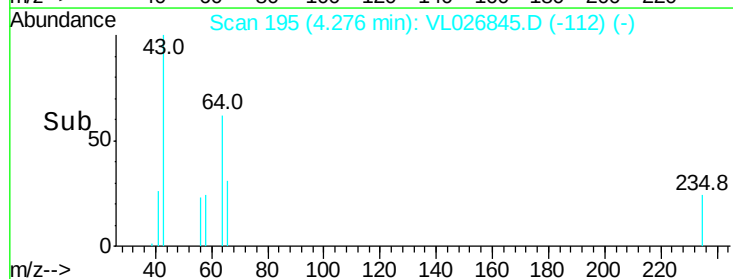
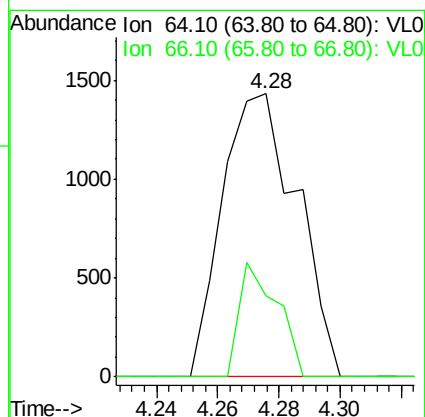
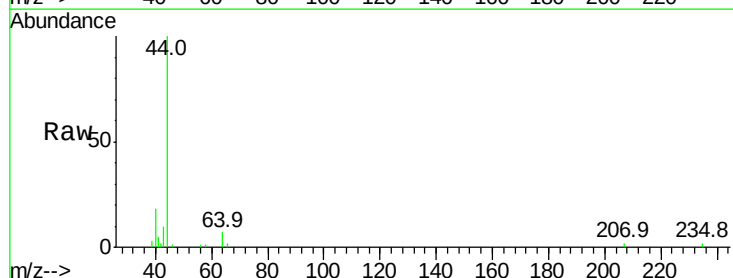
Acq: 10 Feb 2016 8:13

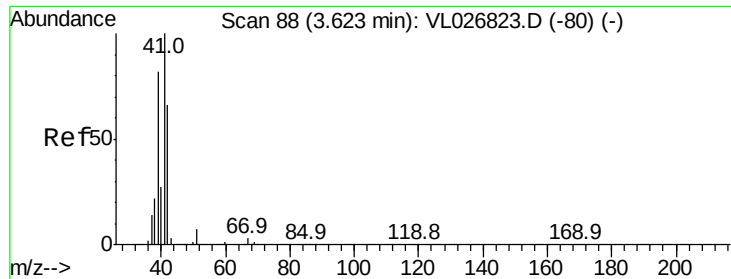
Tgt Ion: 64 Resp: 2429

Ion Ratio Lower Upper

64 100

66 28.8 25.4 38.0





#9

Propene

Concen: 6.00 ppbv

RT: 3.85 min Scan# 126

Delta R.T. 0.23 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampled :

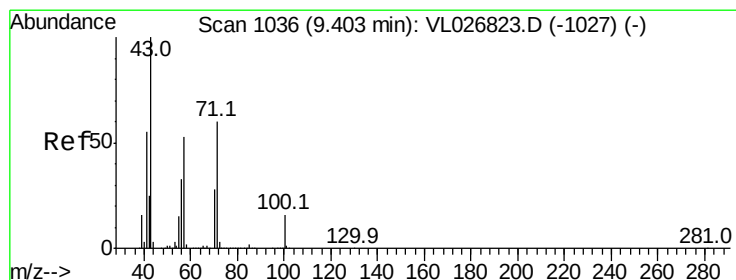
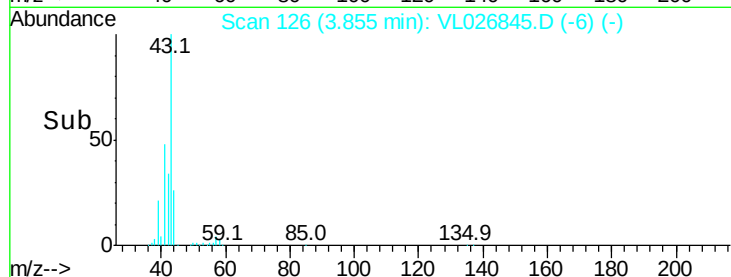
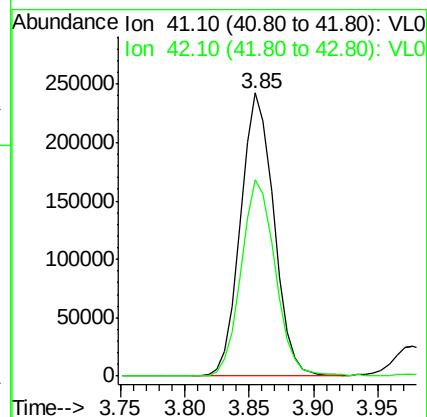
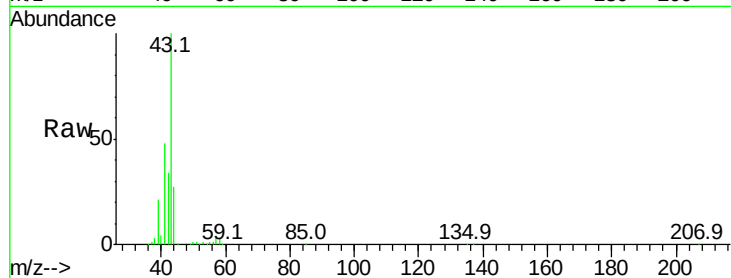
IA-2

Tgt Ion: 41 Resp: 431555

Ion Ratio Lower Upper

41 100

42 71.2 52.8 79.2



#10

Heptane

Concen: 0.24 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VL026845.D

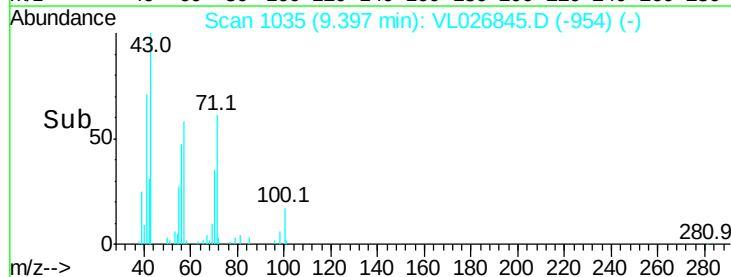
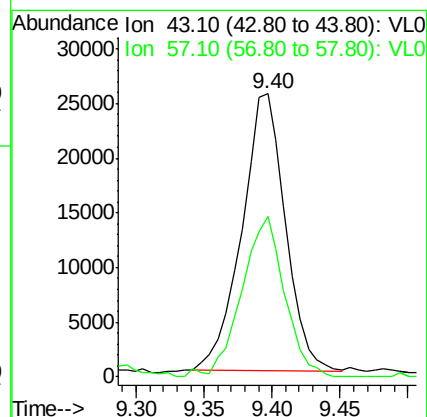
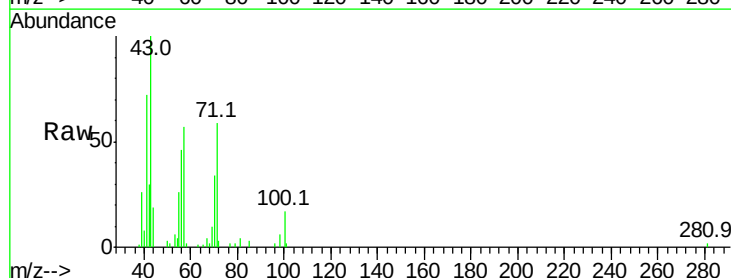
Acq: 10 Feb 2016 8:13

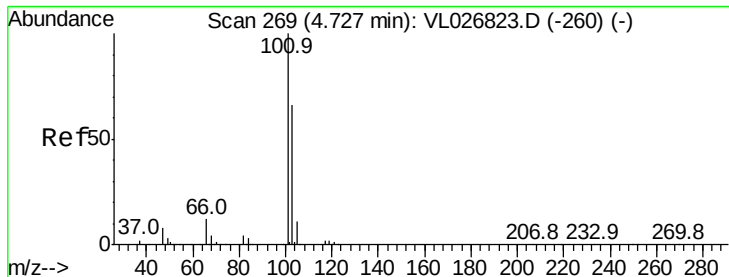
Tgt Ion: 43 Resp: 56828

Ion Ratio Lower Upper

43 100

57 56.9 44.0 66.0

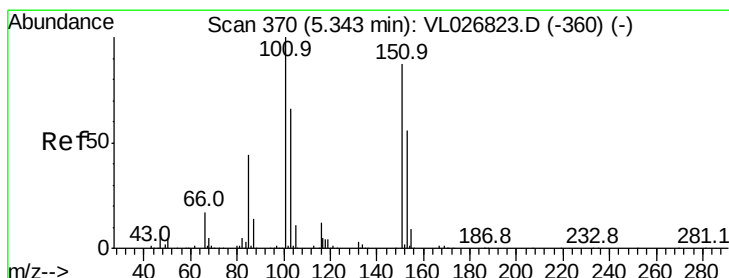
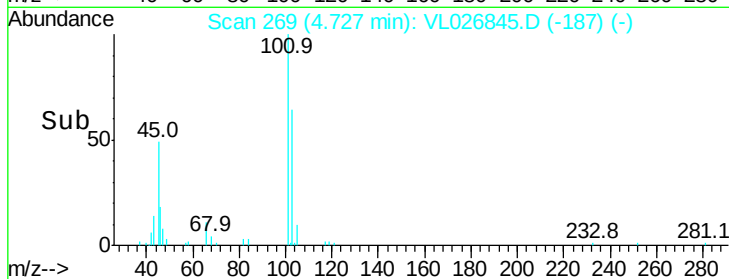
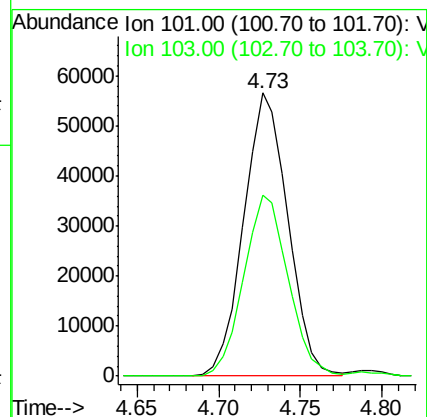
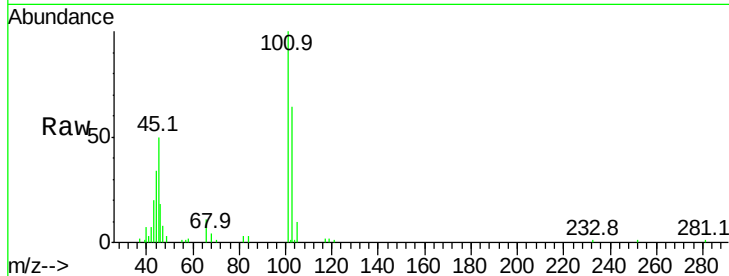




#11
 Trichlorofluoromethane
 Concen: 0.25 ppbv
 RT: 4.73 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

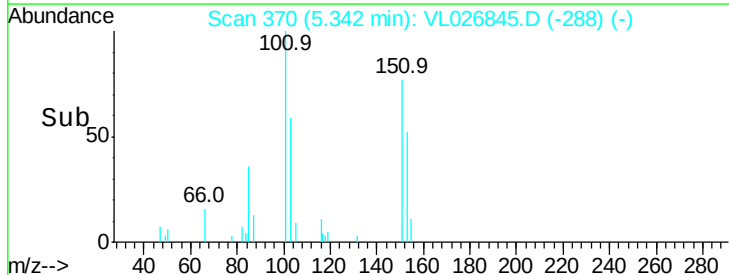
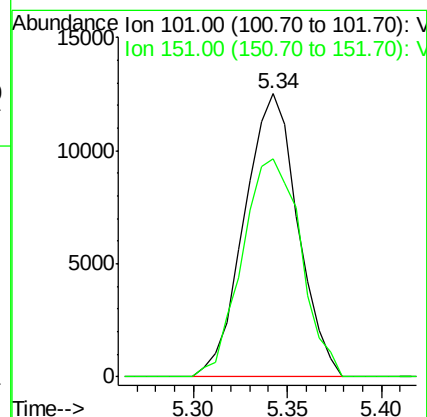
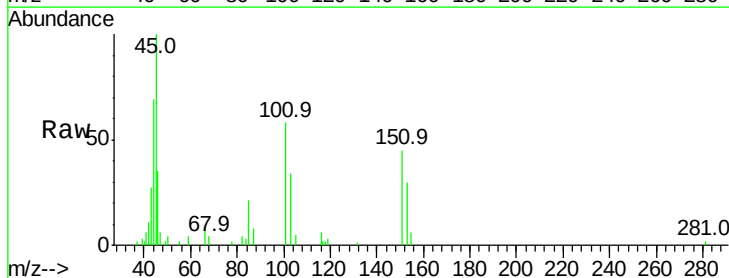
Instrument :
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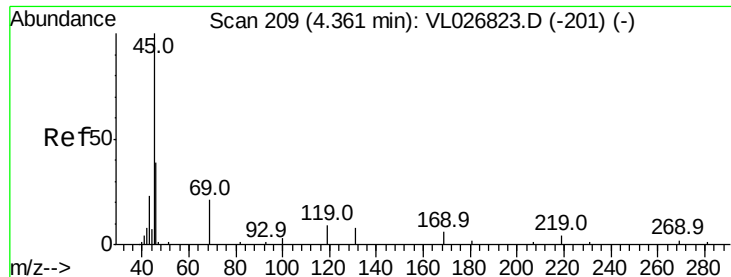
Tgt Ion:101 Resp: 106684
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.08 ppbv
 RT: 5.34 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

Tgt Ion:101 Resp: 24639
 Ion Ratio Lower Upper
 101 100
 151 84.5 69.4 104.0

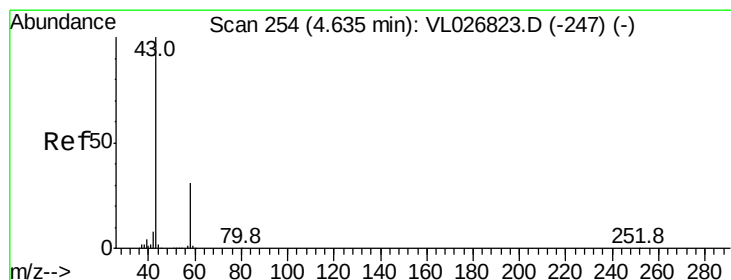
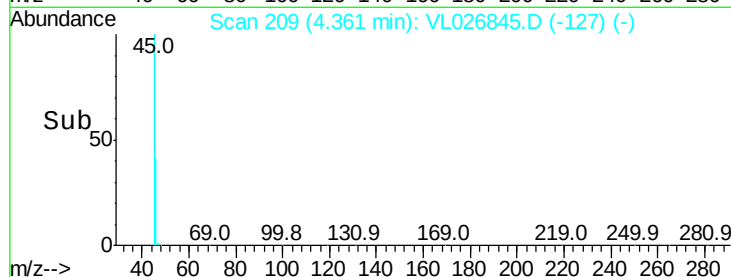
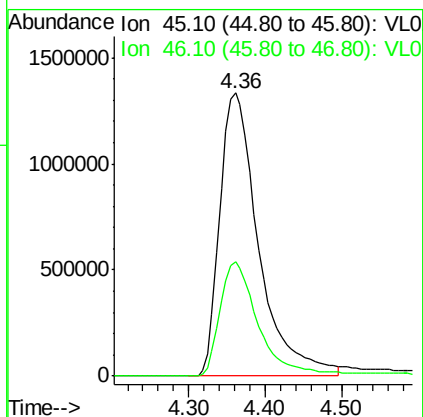
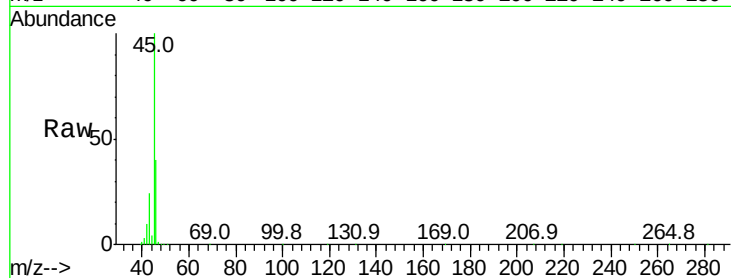




#13
 Ethanol
 Concen: 380.07 ppbv
 RT: 4.36 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

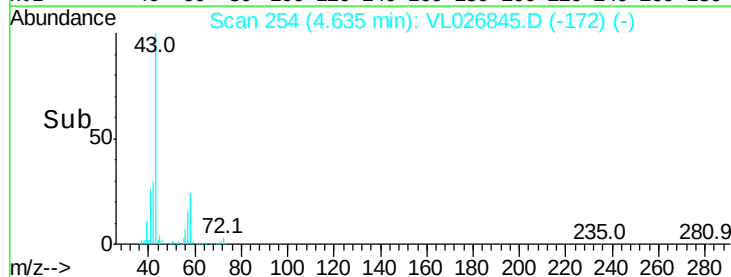
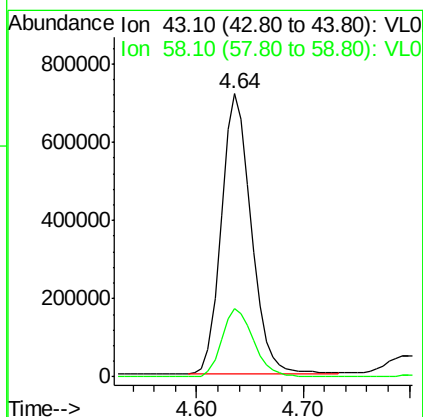
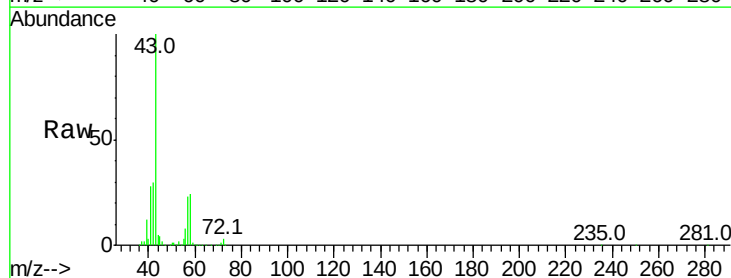
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

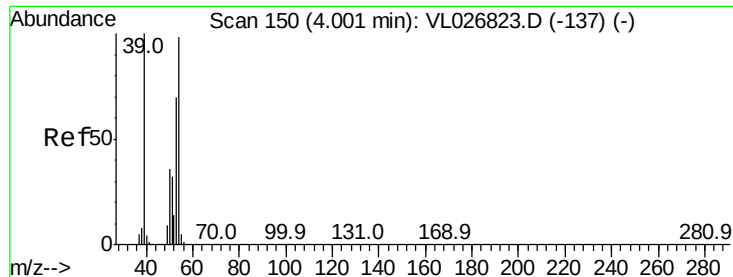
Tgt Ion: 45 Resp: 4702579
 Ion Ratio Lower Upper
 45 100
 46 42.0 15.8 63.4



#15
 Acetone
 Concen: 6.26 ppbv
 RT: 4.64 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

Tgt Ion: 43 Resp: 1411228
 Ion Ratio Lower Upper
 43 100
 58 26.2 25.2 37.8

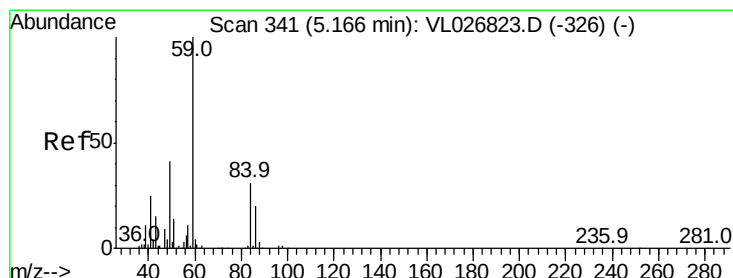
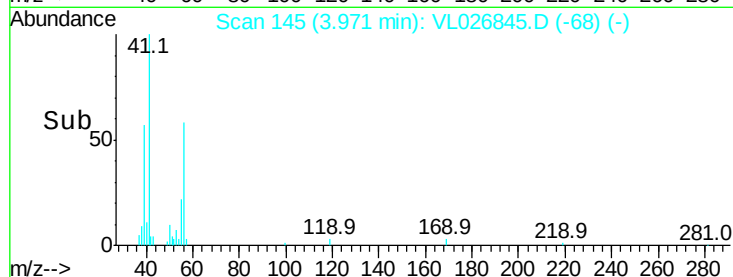
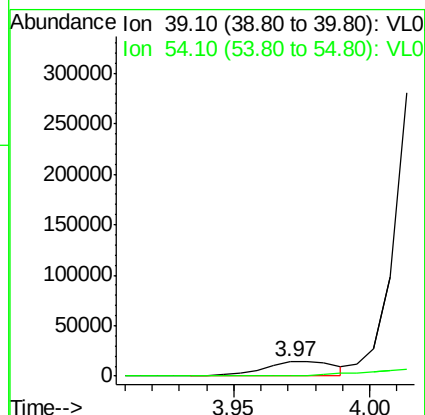
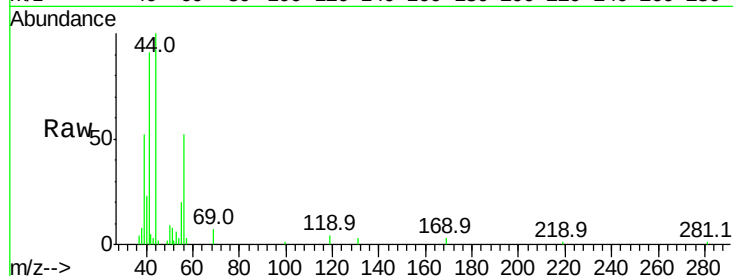




#16
1,3-Butadiene
Concen: 0.28 ppbv
RT: 3.97 min Scan# 145
Delta R.T. -0.03 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

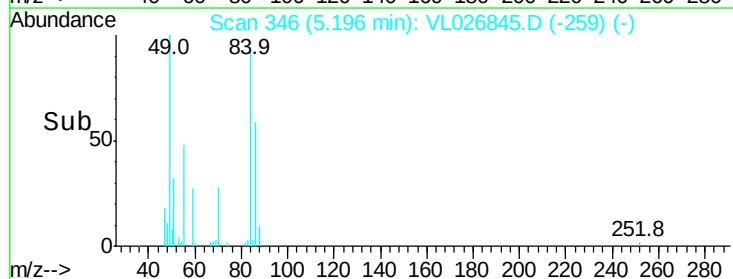
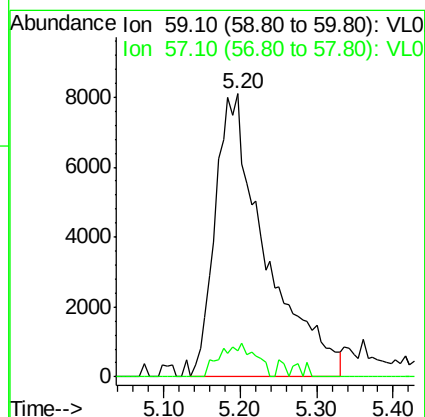
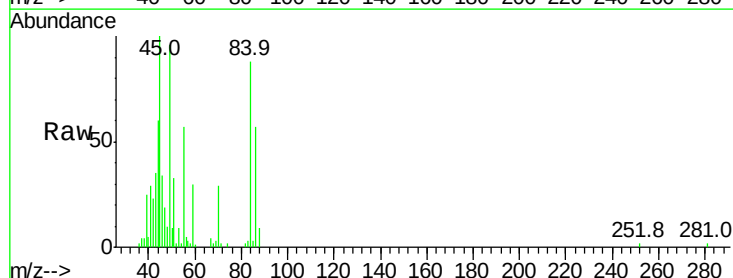
Instrument :
MSVOA_L
ClientSampleId :
IA-2

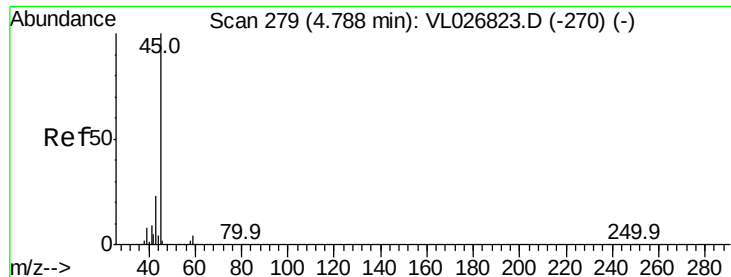
Tgt Ion: 39 Resp: 24666
Ion Ratio Lower Upper
39 100
54 0.0 74.7 112.1#



#17
tert-Butyl alcohol
Concen: 0.25 ppbv
RT: 5.20 min Scan# 346
Delta R.T. 0.03 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

Tgt Ion: 59 Resp: 36992
Ion Ratio Lower Upper
59 100
57 9.2 8.5 12.7





#19

Isopropyl Alcohol

Concen: 9.19 ppbv

RT: 4.80 min Scan# 281

Delta R.T. 0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampled :

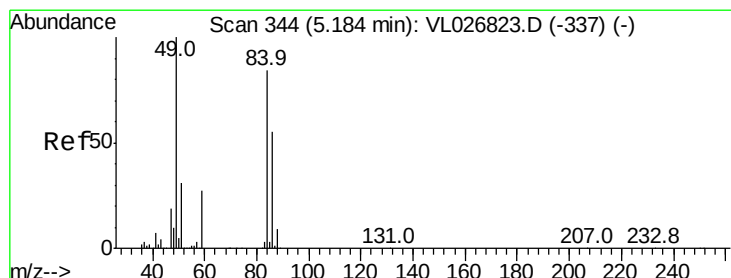
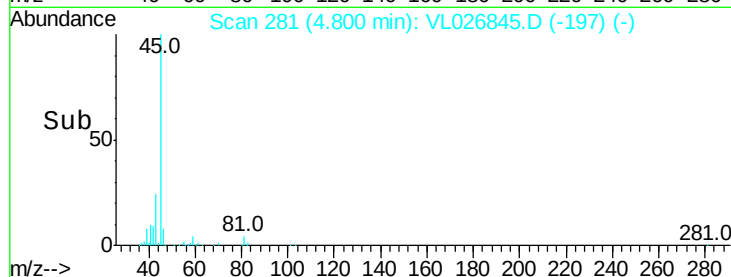
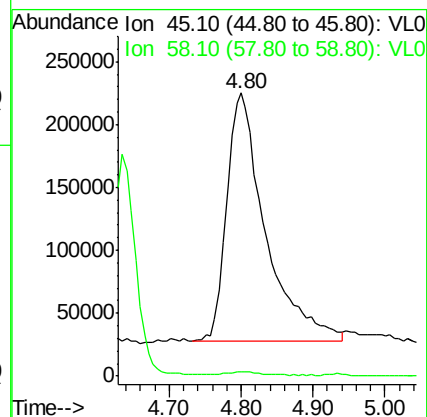
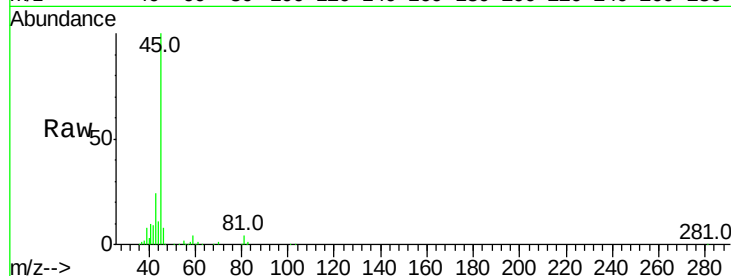
IA-2

Tgt Ion: 45 Resp: 739664

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.2#



#20

Methylene Chloride

Concen: 0.58 ppbv

RT: 5.18 min Scan# 344

Delta R.T. -0.00 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Tgt Ion: 84 Resp: 67707

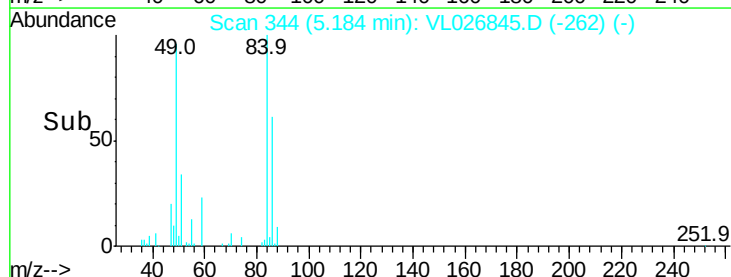
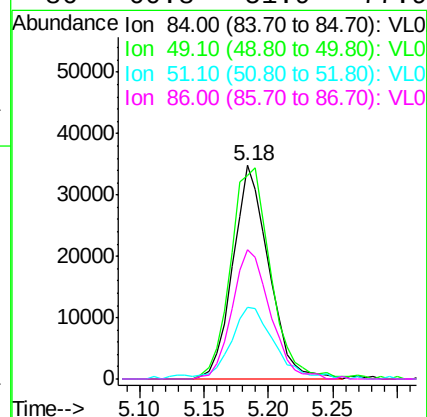
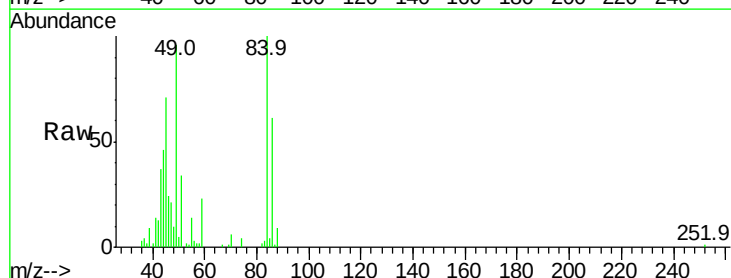
Ion Ratio Lower Upper

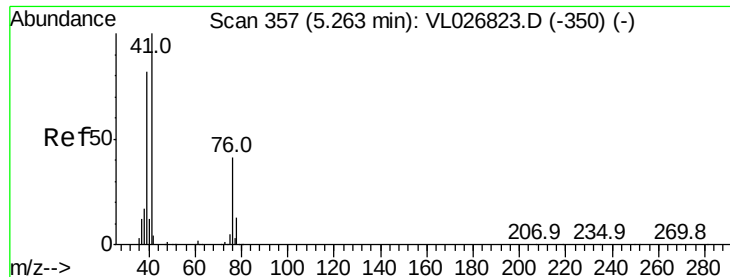
84 100

49 95.5 94.9 142.3

51 32.5 29.5 44.3

86 60.8 51.9 77.9

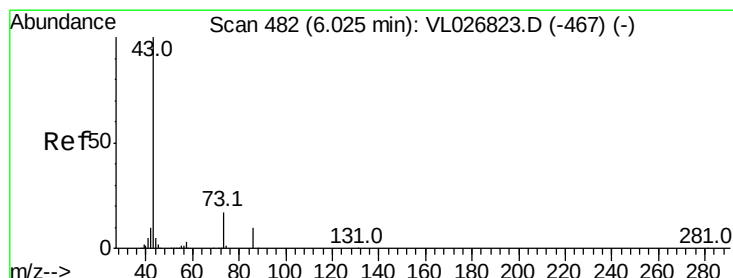
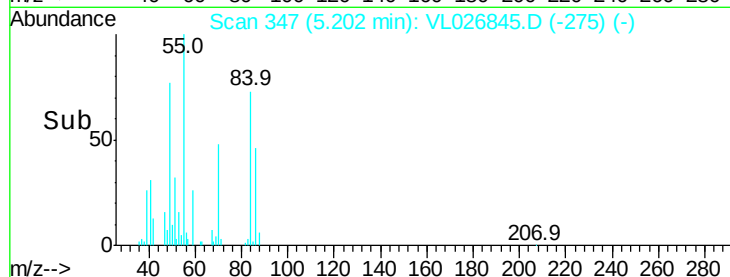
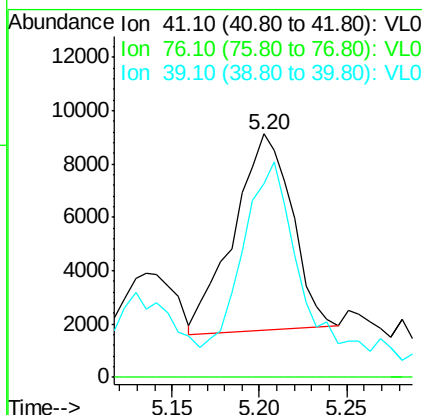
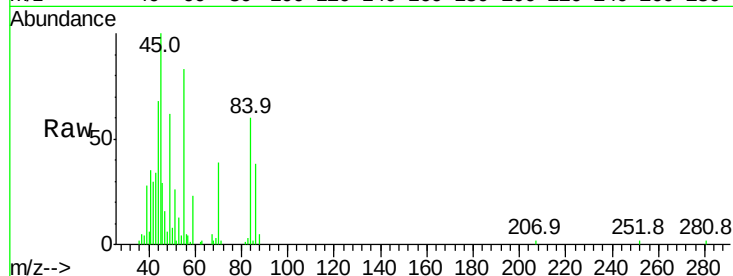




#21
 Allyl Chloride
 Concen: 0.12 ppbv
 RT: 5.20 min Scan# 347
 Delta R.T. -0.06 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

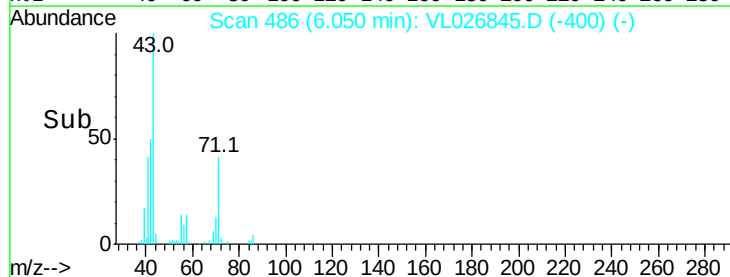
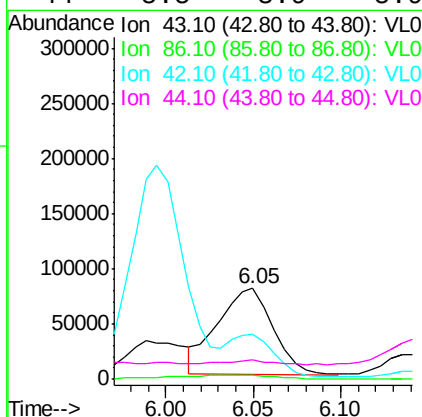
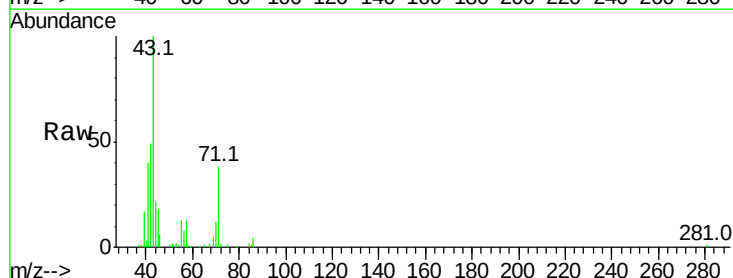
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

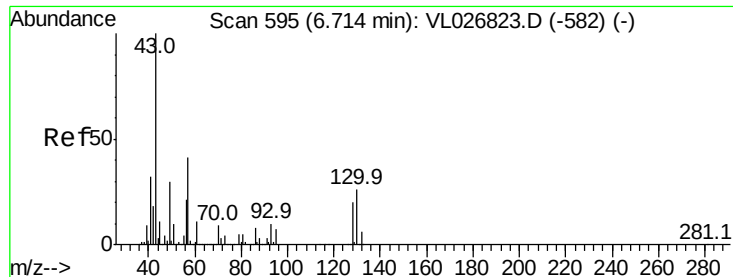
Tgt Ion: 41 Resp: 17126
 Ion Ratio Lower Upper
 41 100
 76 0.0 32.0 48.0#
 39 136.0 64.6 96.8#



#23
 Vinyl Acetate
 Concen: 0.57 ppbv
 RT: 6.05 min Scan# 486
 Delta R.T. 0.02 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

Tgt Ion: 43 Resp: 173201
 Ion Ratio Lower Upper
 43 100
 86 4.4 7.7 11.5#
 42 49.2 7.8 11.8#
 44 5.5 3.9 5.9

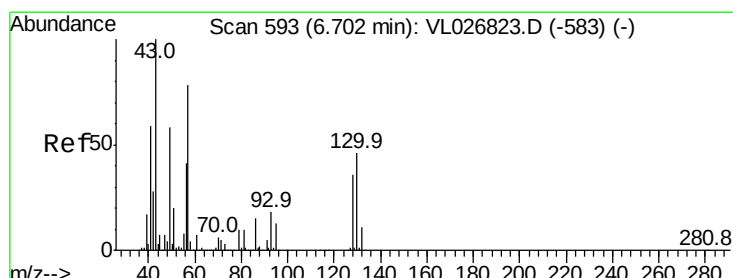
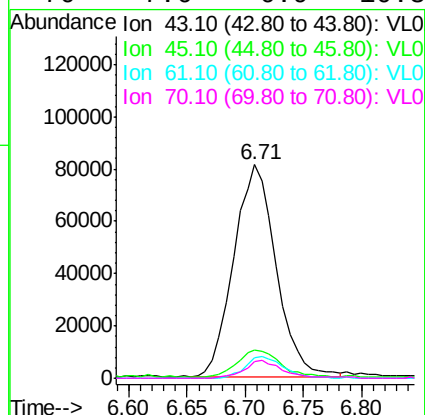
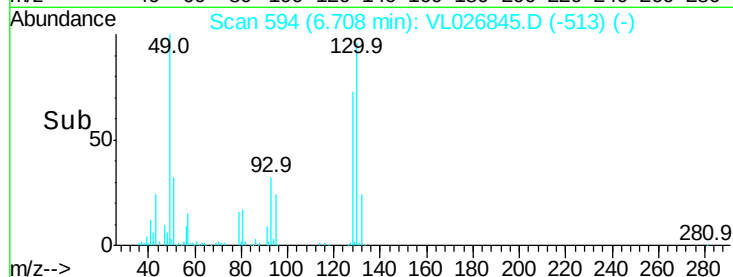
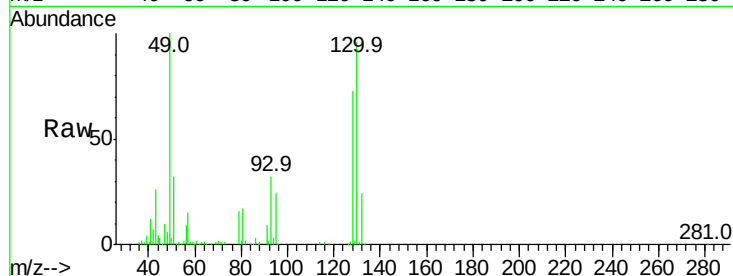




#25
Ethyl Acetate
Concen: 0.61 ppbv
RT: 6.71 min Scan# 594
Delta R.T. -0.01 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

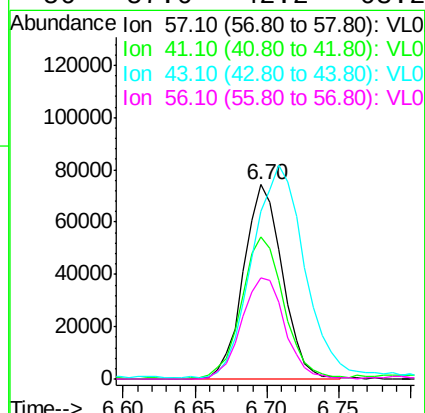
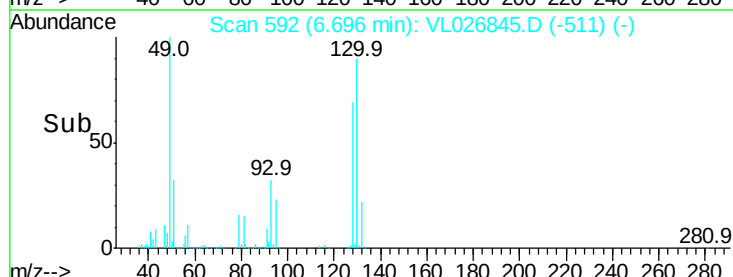
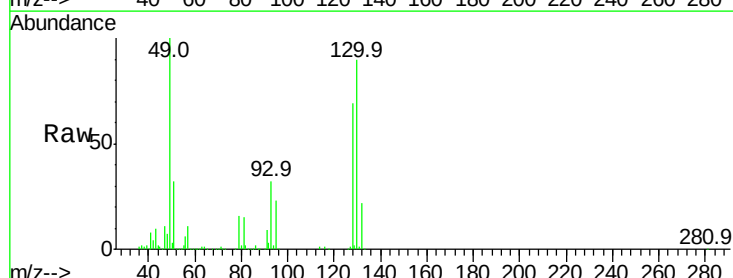
Instrument :
MSVOA_L
ClientSampleId :
IA-2

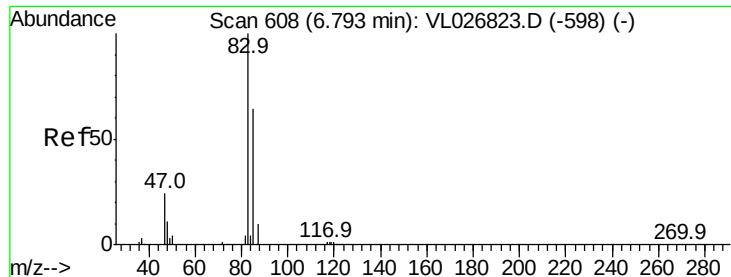
Tgt Ion	Ratio	Lower	Upper
43	100		
45	13.5	7.8	11.8#
61	9.2	7.9	11.9
70	7.6	6.9	10.3



#26
Hexane
Concen: 0.73 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	81.7	63.3	94.9
43	151.3	151.4	227.2#
56	57.6	42.2	63.2





#29

Chloroform

Concen: 0.06 ppbv

RT: 6.78 min Scan# 606

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

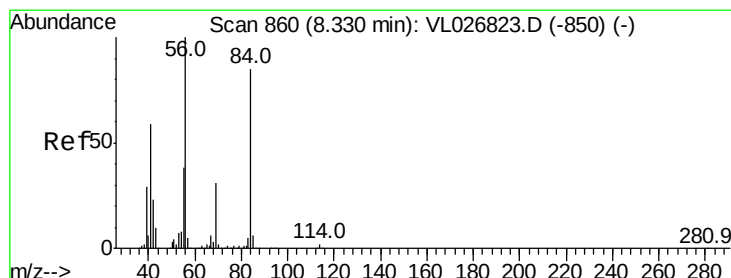
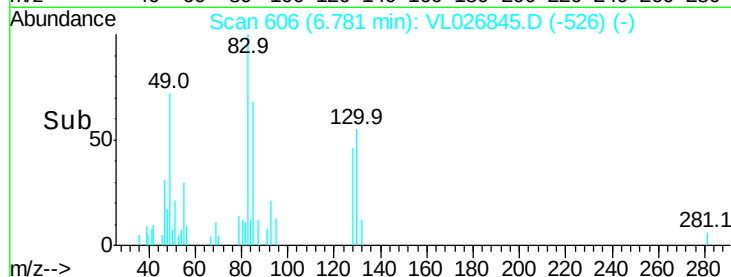
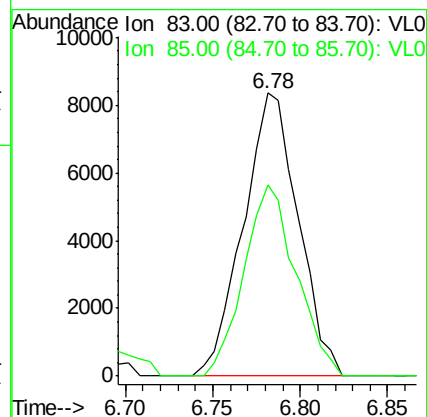
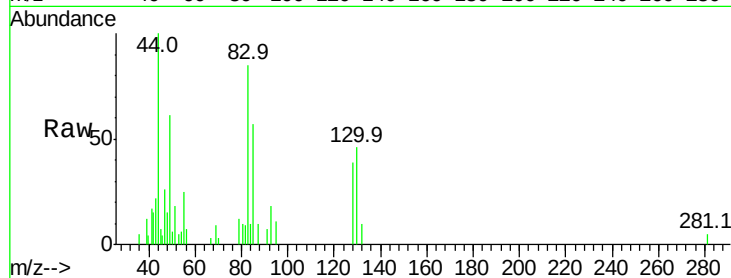
IA-2

Tgt Ion: 83 Resp: 18267

Ion Ratio Lower Upper

83 100

85 67.6 51.5 77.3



#30

Cyclohexane

Concen: 0.12 ppbv

RT: 8.32 min Scan# 859

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

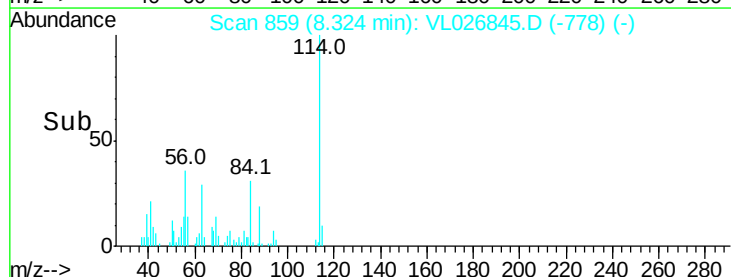
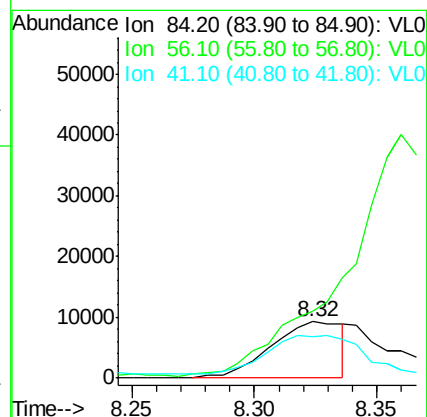
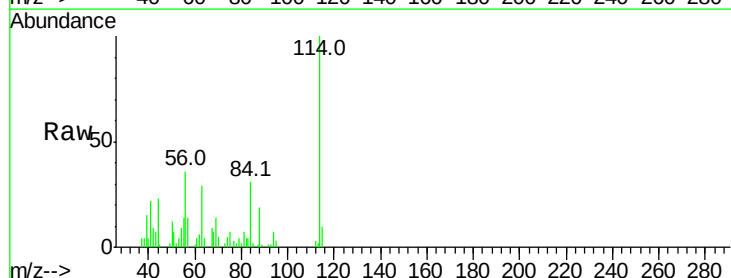
Tgt Ion: 84 Resp: 19184

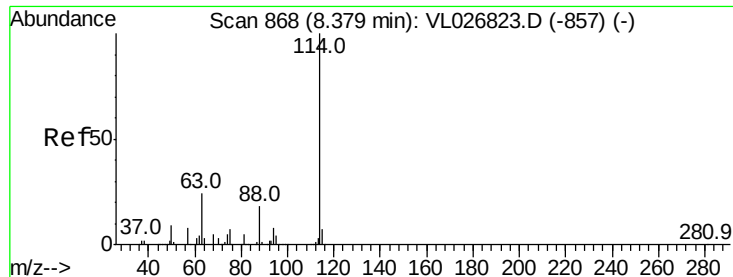
Ion Ratio Lower Upper

84 100

56 621.9 99.4 149.2#

41 101.6 56.7 85.1#

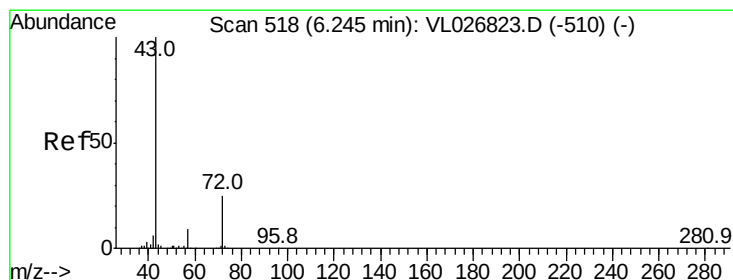
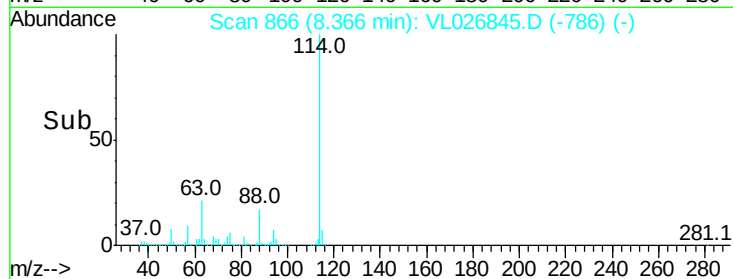
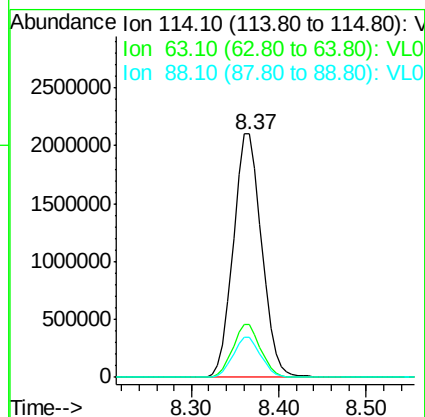
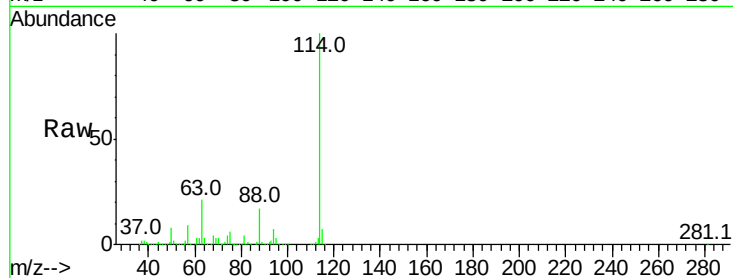




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

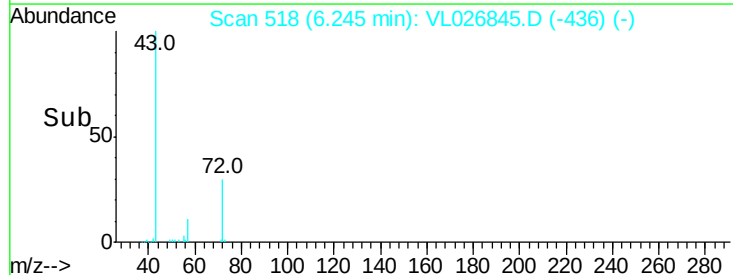
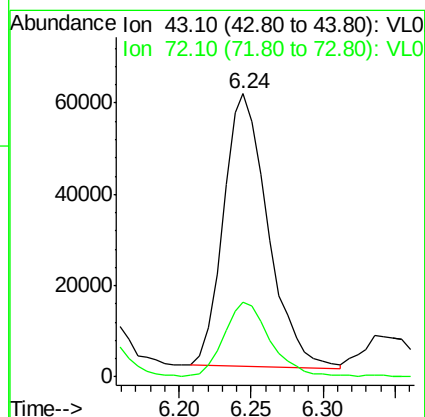
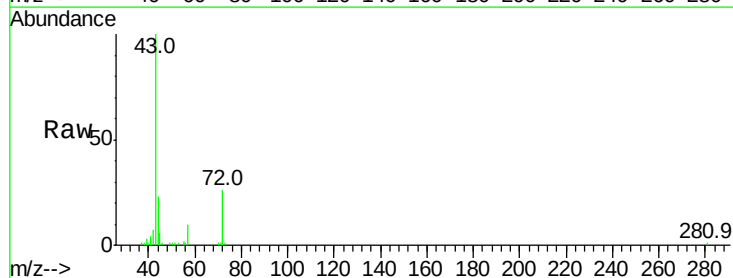
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

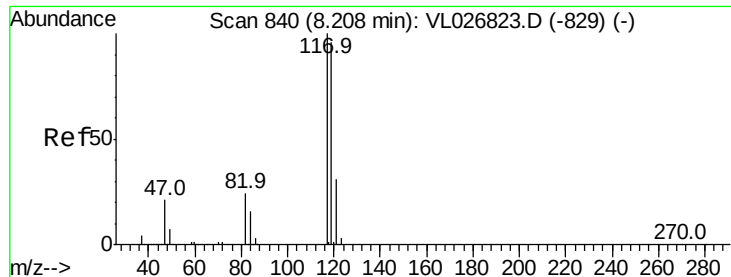
Tgt Ion: 114 Resp: 4765700
 Ion Ratio Lower Upper
 114 100
 63 21.5 19.7 29.5
 88 16.3 13.8 20.6



#34
 2-Butanone
 Concen: 0.55 ppbv
 RT: 6.24 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

Tgt Ion: 43 Resp: 128107
 Ion Ratio Lower Upper
 43 100
 72 29.2 19.8 29.8





#35

Carbon Tetrachloride

Concen: 0.07 ppbv

RT: 8.20 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

IA-2

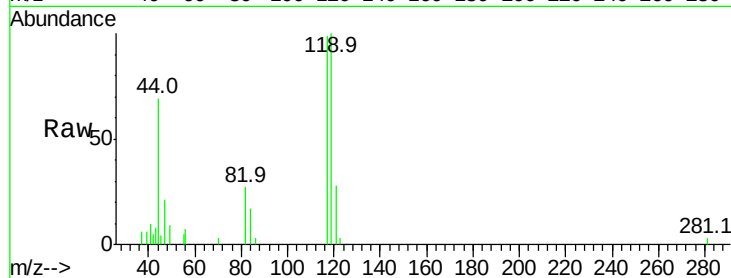
Tgt Ion:117 Resp: 25371

Ion Ratio Lower Upper

117 100

119 101.2 76.6 115.0

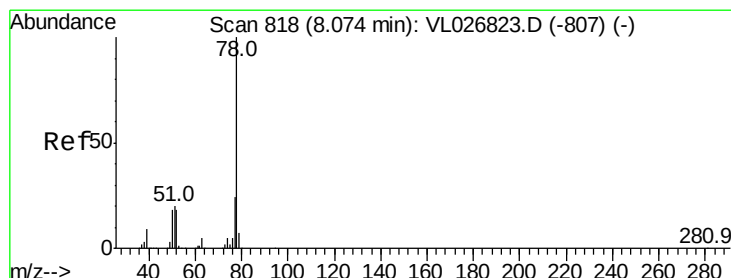
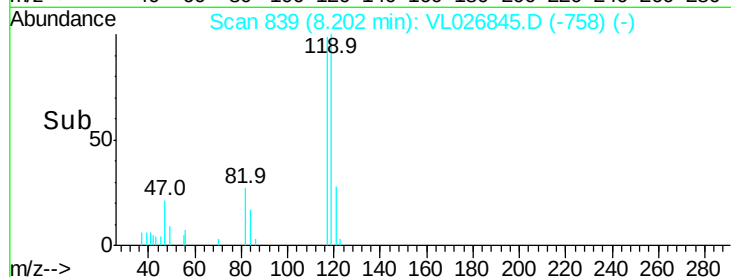
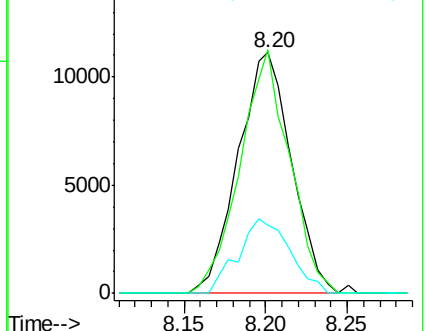
121 28.2 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.48 ppbv

RT: 8.06 min Scan# 816

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

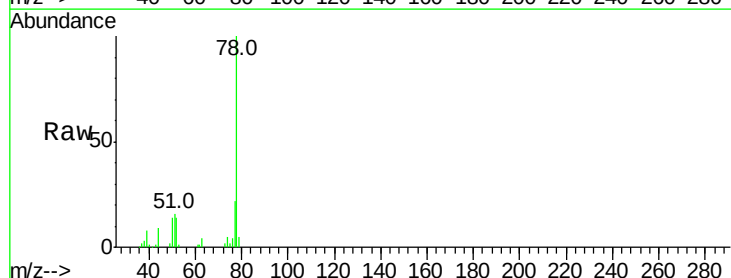
Tgt Ion: 78 Resp: 180824

Ion Ratio Lower Upper

78 100

77 21.8 19.0 28.6

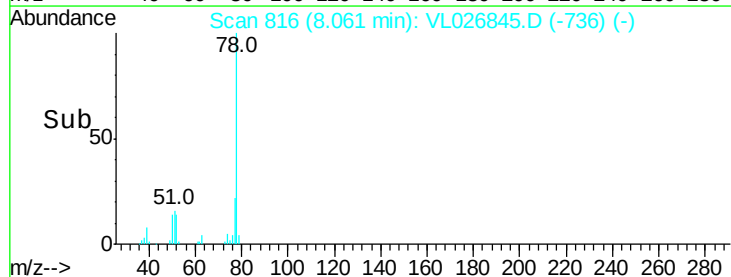
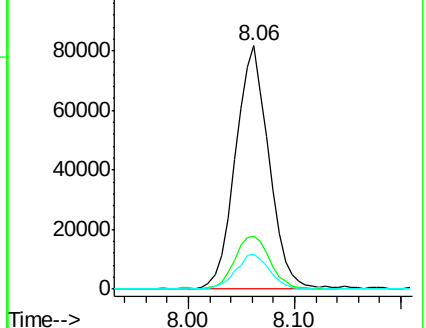
50 14.2 14.2 21.4#

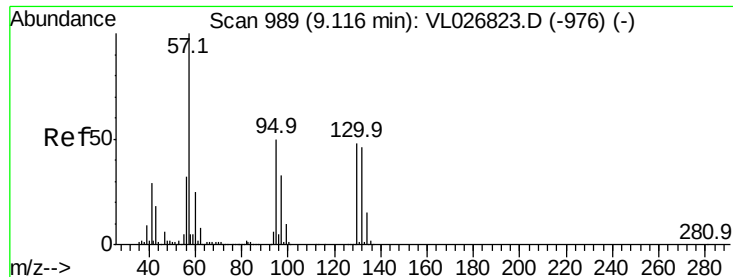


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.18 ppbv

RT: 9.10 min Scan# 987

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:130 Resp: 32131

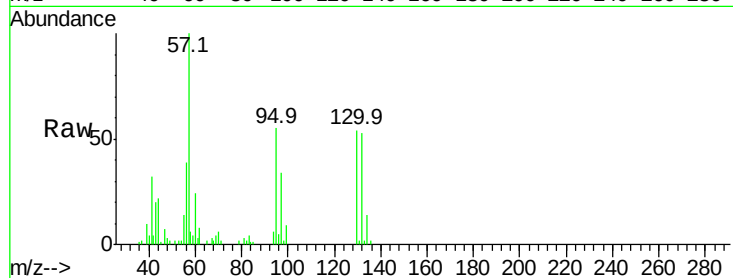
Ion Ratio Lower Upper

130 100

95 101.8 83.0 124.6

132 99.0 76.0 114.0

97 62.4 54.0 81.0

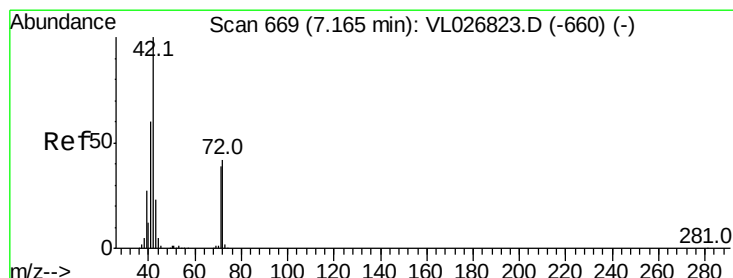
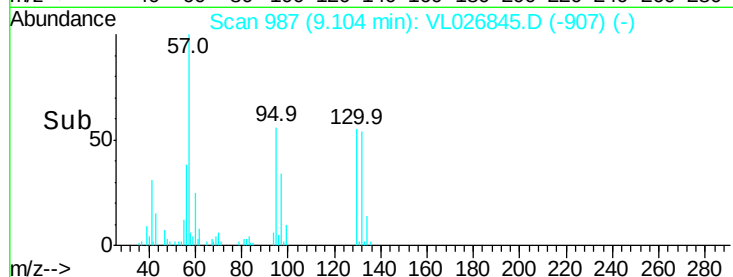
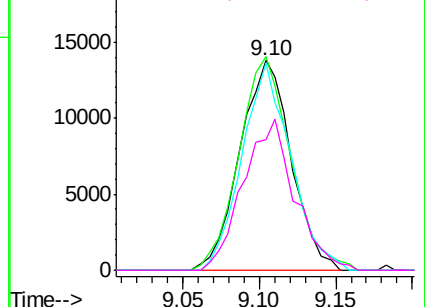


Abundance Ion 130.00 (129.70 to 130.70): V

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



#41

Tetrahydrofuran

Concen: 0.28 ppbv

RT: 7.18 min Scan# 672

Delta R.T. 0.02 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

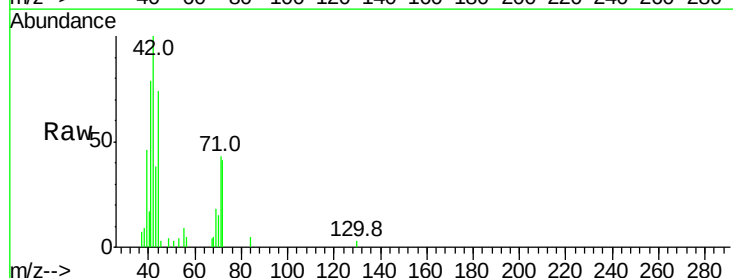
Tgt Ion: 42 Resp: 32133

Ion Ratio Lower Upper

42 100

72 41.1 33.4 50.0

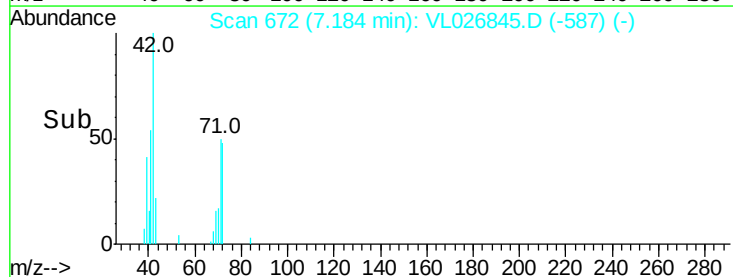
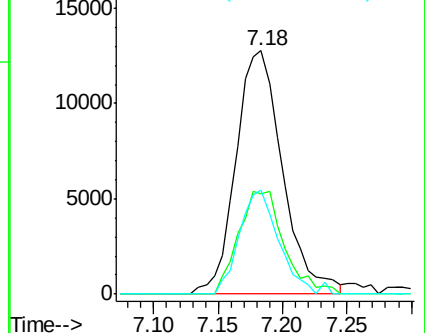
71 36.4 32.1 48.1

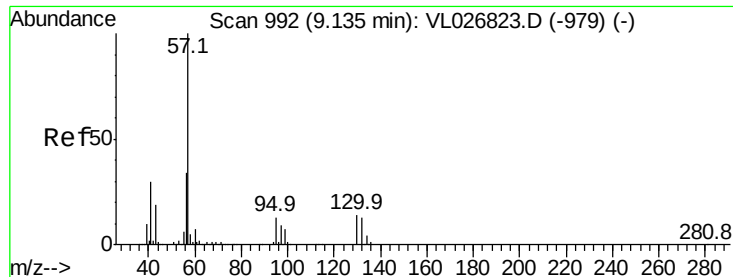


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.23 ppbv

RT: 9.12 min Scan# 990

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampled :

IA-2

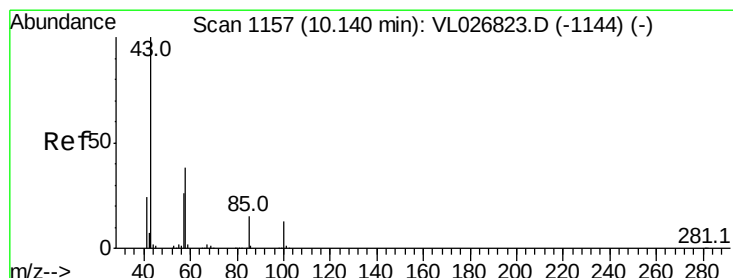
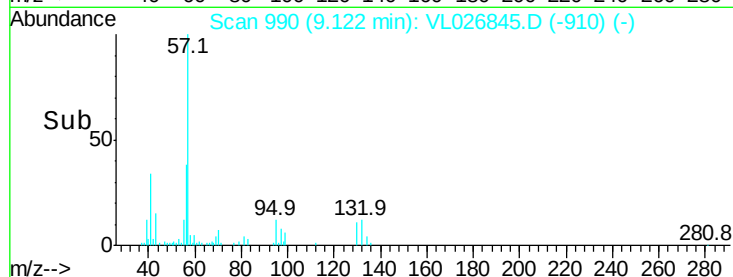
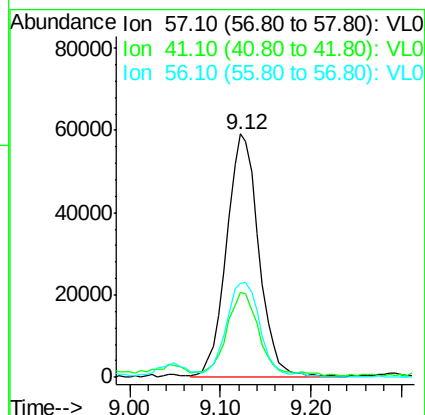
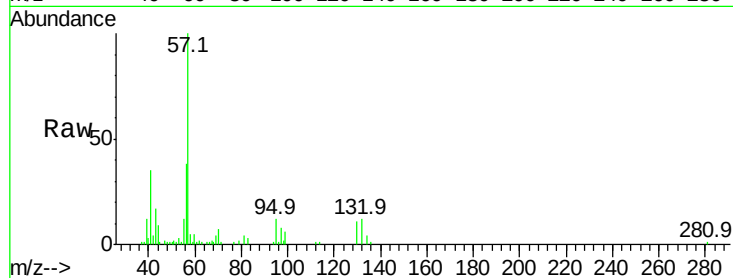
Tgt Ion: 57 Resp: 147381

Ion Ratio Lower Upper

57 100

41 38.4 23.2 34.8#

56 46.7 26.2 39.4#



#50

4-Methyl-2-Pentanone

Concen: 0.08 ppbv

RT: 10.15 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VL026845.D

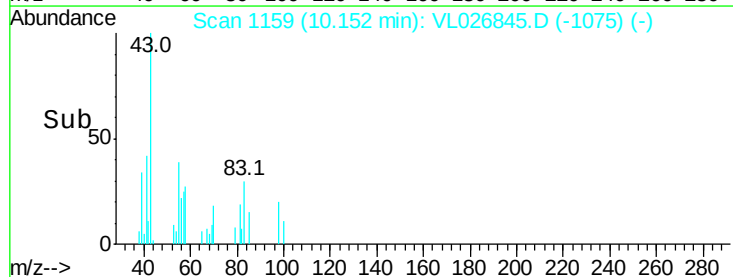
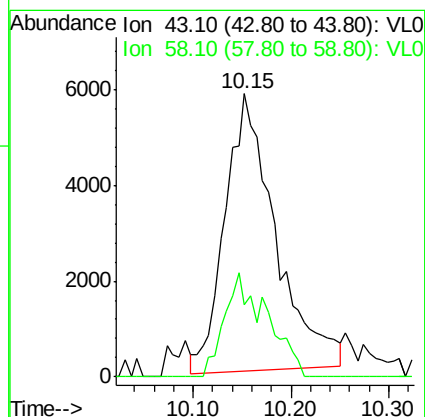
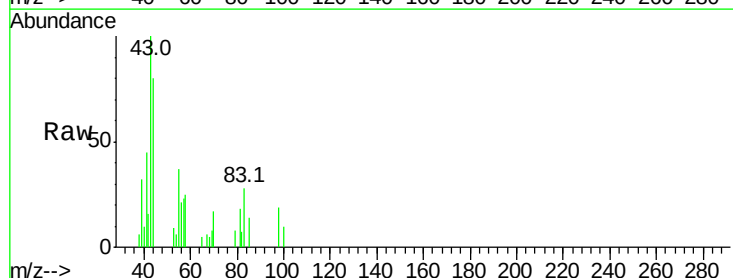
Acq: 10 Feb 2016 8:13

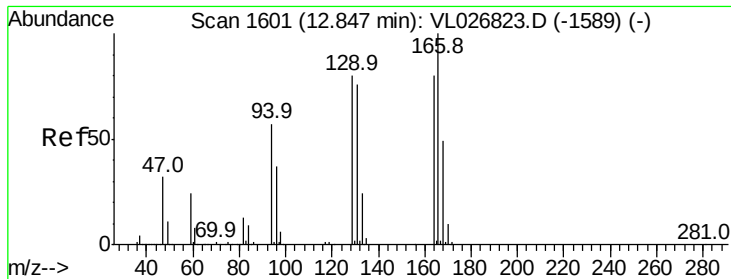
Tgt Ion: 43 Resp: 20696

Ion Ratio Lower Upper

43 100

58 31.5 30.3 45.5





#52

Tetrachloroethene

Concen: 0.03 ppbv

RT: 12.83 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:164 Resp: 4488

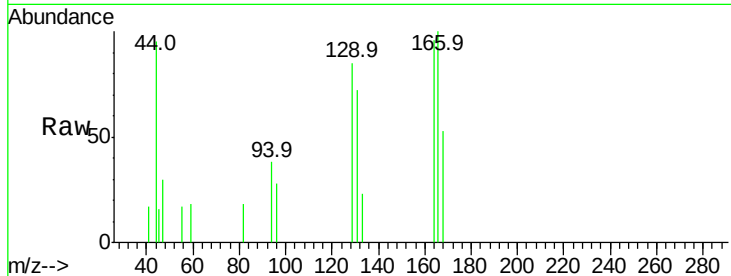
Ion Ratio Lower Upper

164 100

166 104.0 100.3 150.5

129 88.7 80.0 120.0

131 74.9 76.7 115.1#

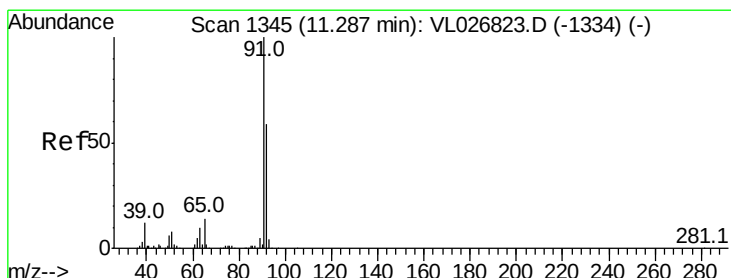
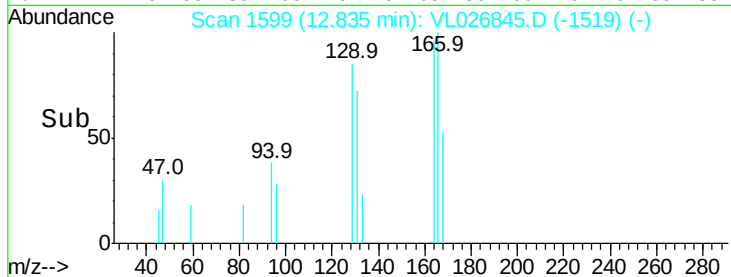
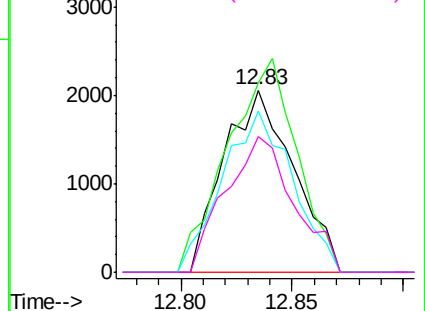


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.77 ppbv

RT: 11.27 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VL026845.D

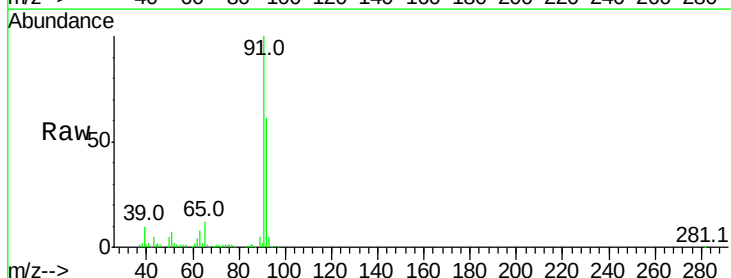
Acq: 10 Feb 2016 8:13

Tgt Ion: 91 Resp: 751871

Ion Ratio Lower Upper

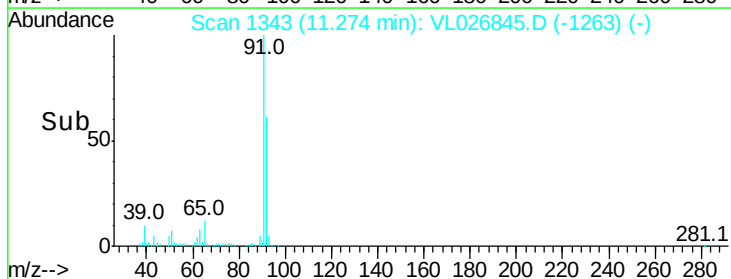
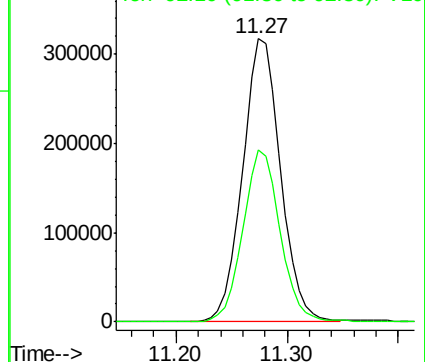
91 100

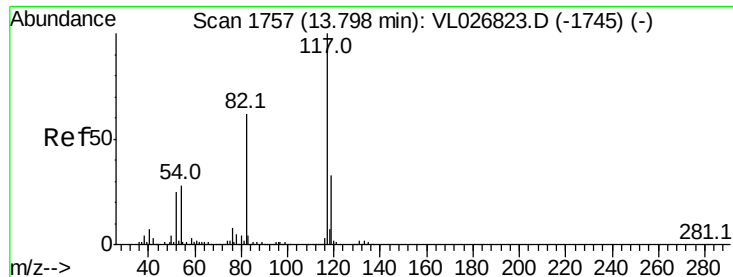
92 60.0 47.3 70.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

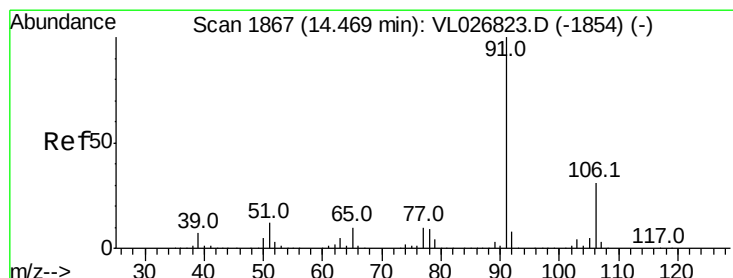
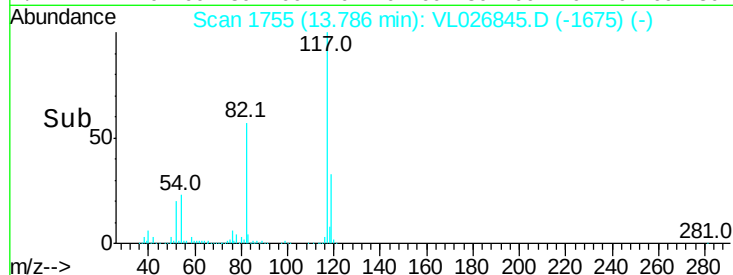
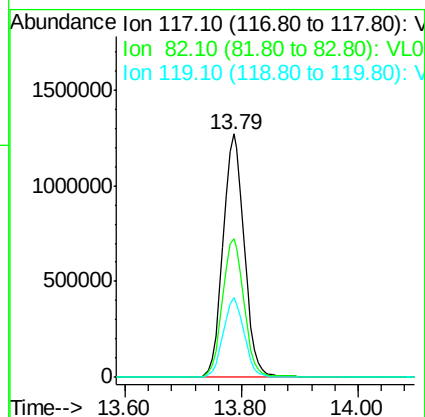
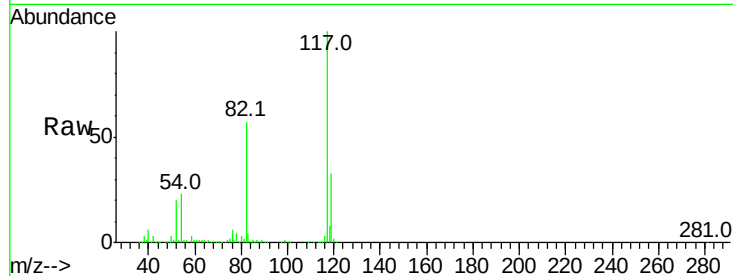




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

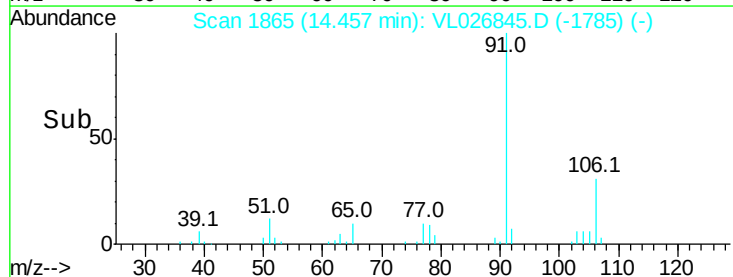
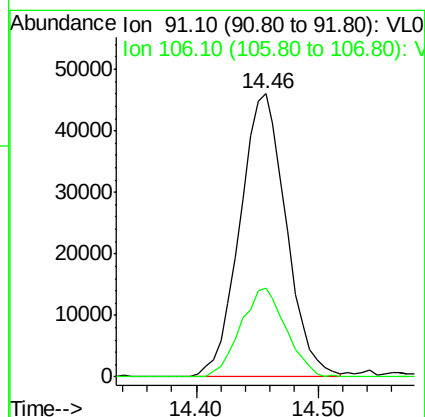
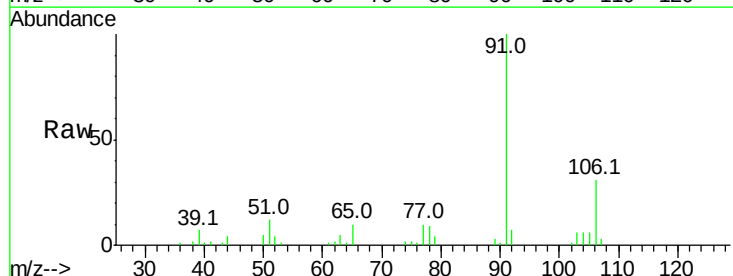
Instrument :
MSVOA_L
ClientSampleId :
IA-2

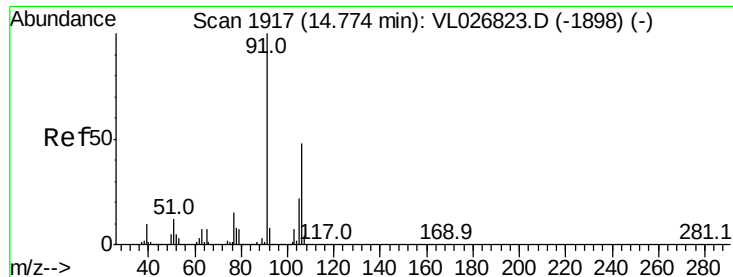
Tgt Ion: 117 Resp: 3226328
Ion Ratio Lower Upper
117 100
82 58.5 51.9 77.9
119 32.5 48.5 72.7#



#58
Ethyl Benzene
Concen: 0.31 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

Tgt Ion: 91 Resp: 120771
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

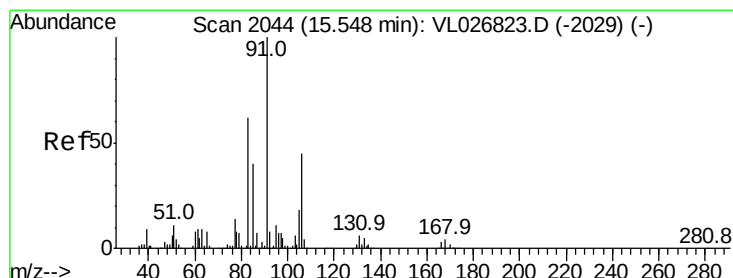
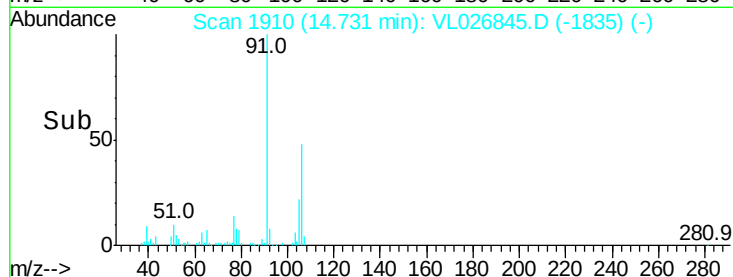
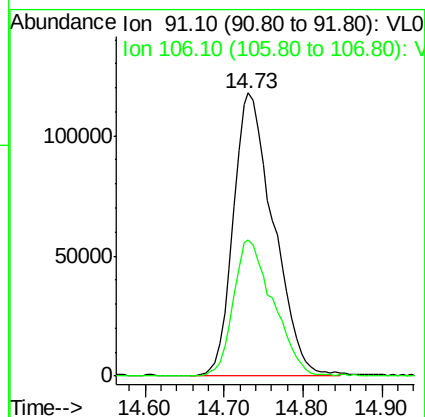
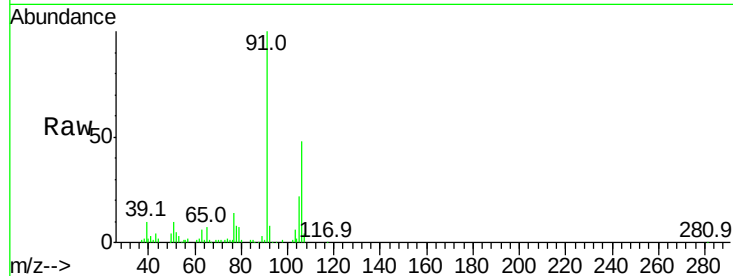




#59
m/p-Xylene
Concen: 1.26 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. -0.04 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

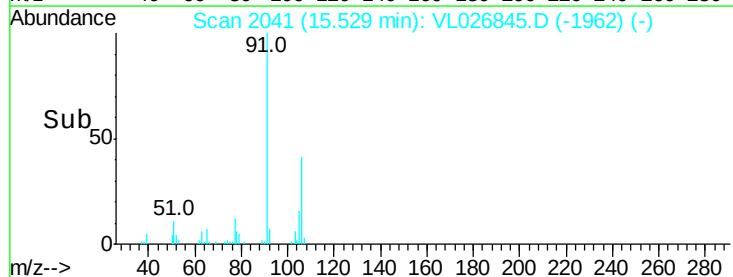
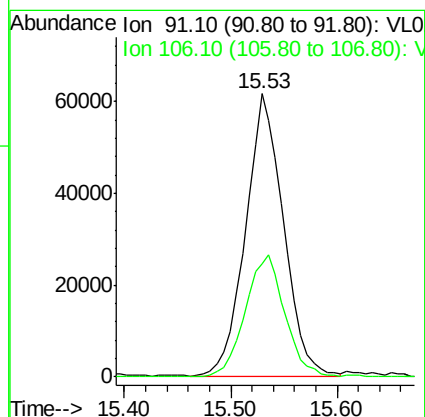
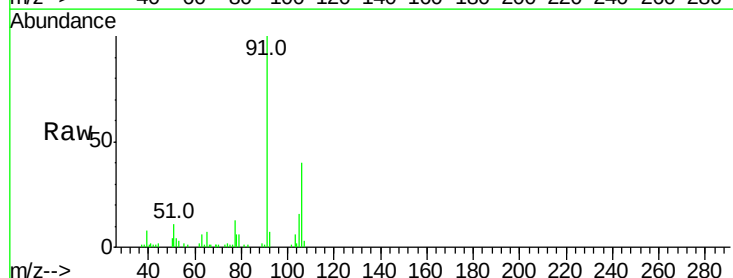
Instrument :
MSVOA_L
ClientSampled :
IA-2

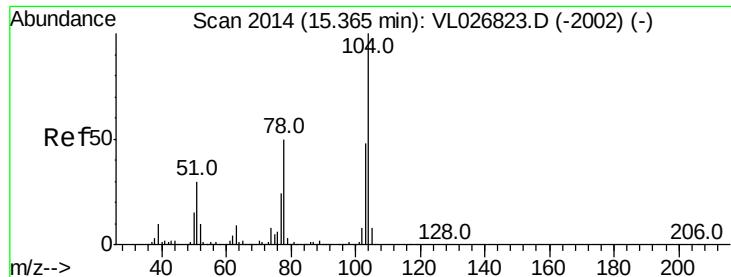
Tgt Ion: 91 Resp: 417679
Ion Ratio Lower Upper
91 100
106 48.1 38.2 57.2



#60
o-Xylene
Concen: 0.43 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. -0.02 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

Tgt Ion: 91 Resp: 154837
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.8





#61

Styrene

Concen: 0.23 ppbv

RT: 15.36 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

IA-2

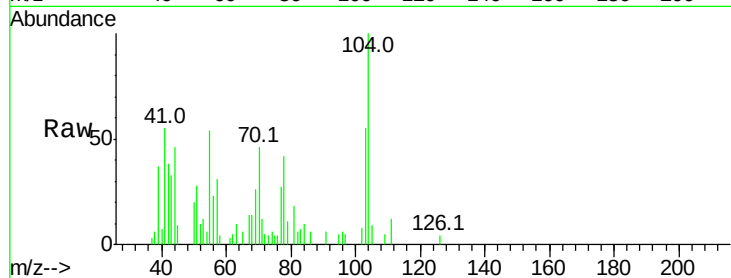
Tgt Ion:104 Resp: 27803

Ion Ratio Lower Upper

104 100

78 50.1 39.8 59.6

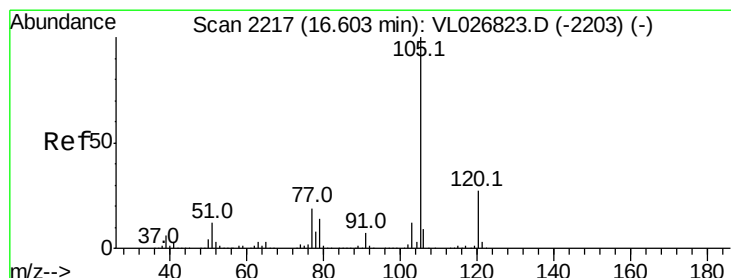
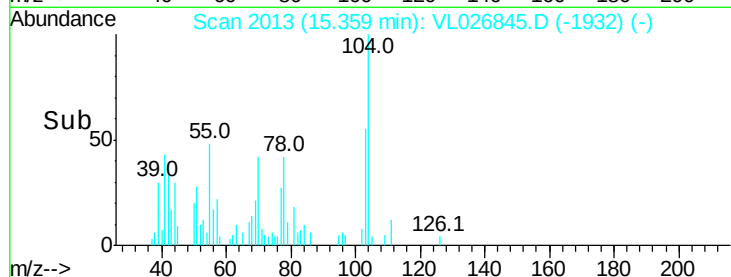
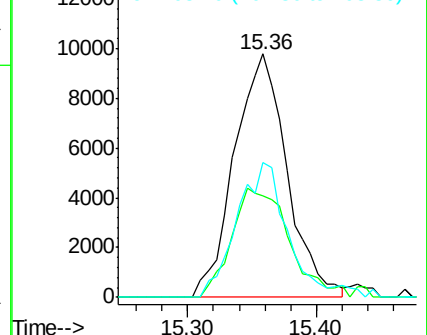
103 54.0 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.05 ppbv

RT: 16.59 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VL026845.D

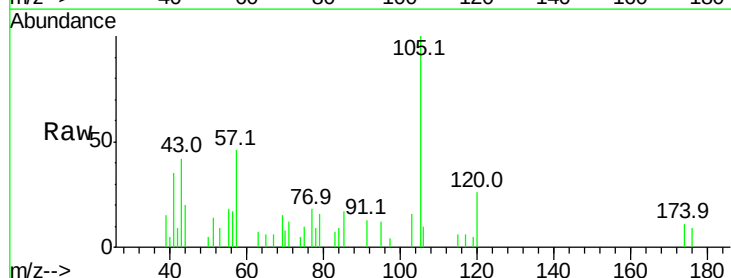
Acq: 10 Feb 2016 8:13

Tgt Ion:105 Resp: 20240

Ion Ratio Lower Upper

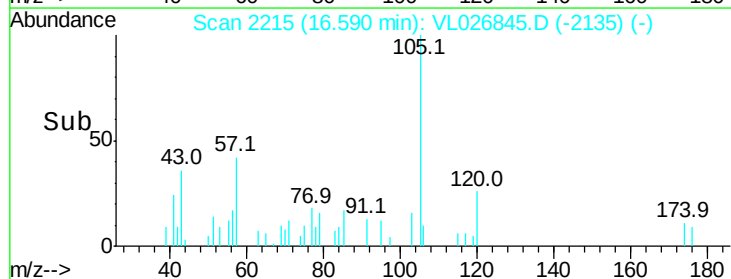
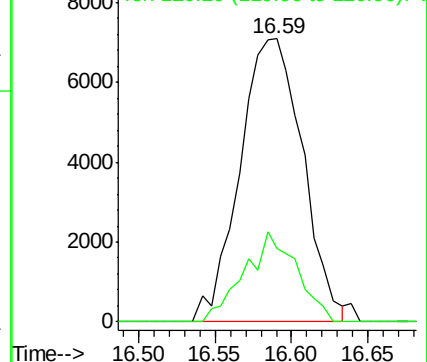
105 100

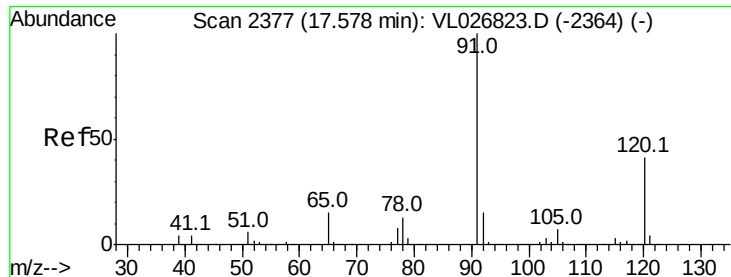
120 26.5 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

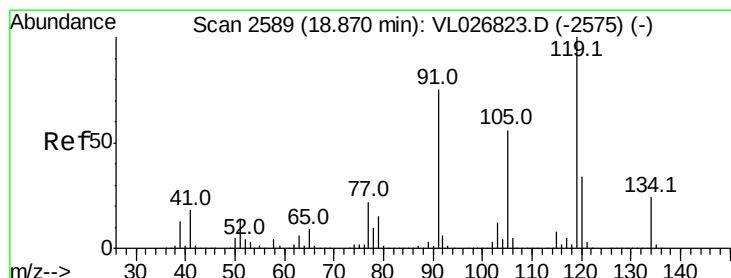
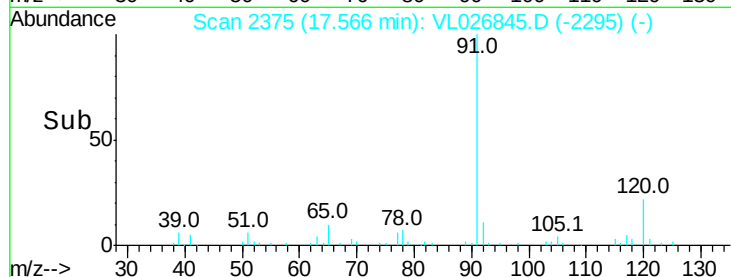
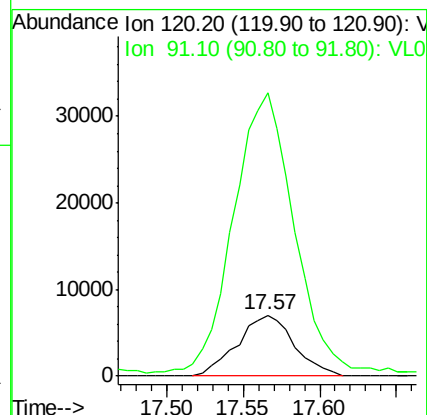
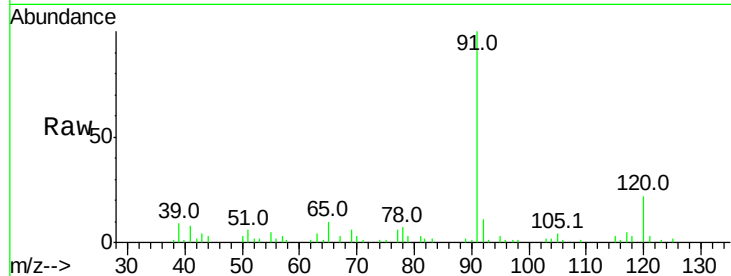




#64
n-propylbenzene
Concen: 0.16 ppbv
RT: 17.57 min Scan# 2375
Delta R.T. -0.01 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

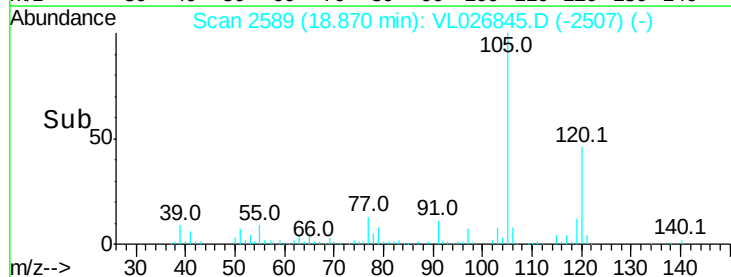
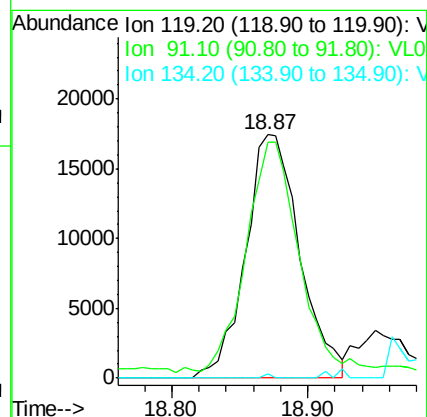
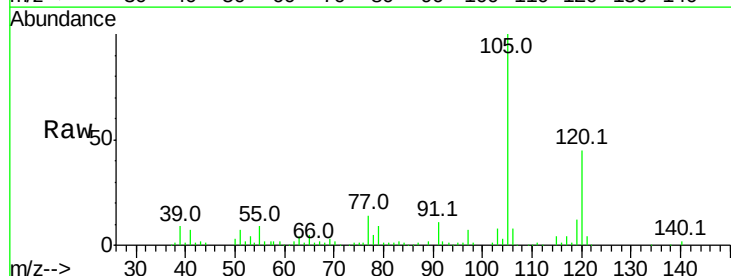
Instrument :
MSVOA_L
ClientSampled :
IA-2

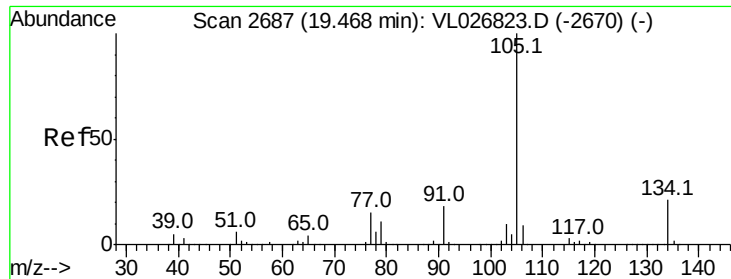
Tgt Ion:120 Resp: 18234
Ion Ratio Lower Upper
120 100
91 487.7 363.0 544.6



#65
tert-Butylbenzene
Concen: 0.12 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. -0.00 min
Lab File: VL026845.D
Acq: 10 Feb 2016 8:13

Tgt Ion:119 Resp: 48513
Ion Ratio Lower Upper
119 100
91 98.0 61.5 92.3#
134 0.0 17.9 26.9#





#67

sec-Butylbenzene

Concen: 0.04 ppbv

RT: 19.45 min Scan# 2684

Delta R.T. -0.02 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampled :

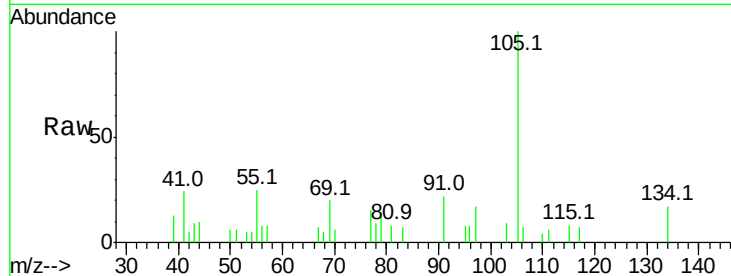
IA-2

Tgt Ion: 105 Resp: 21709

Ion Ratio Lower Upper

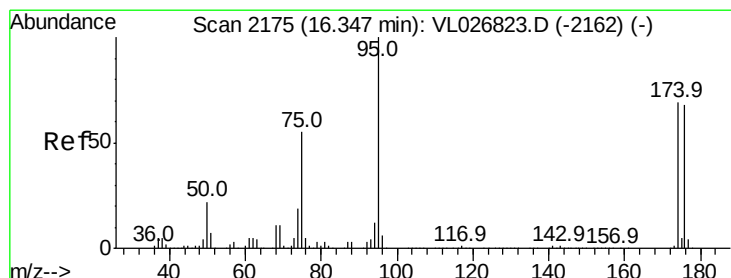
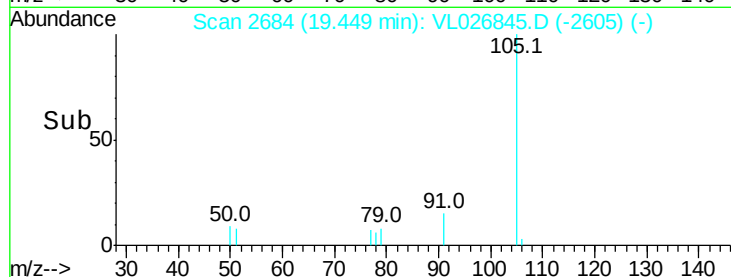
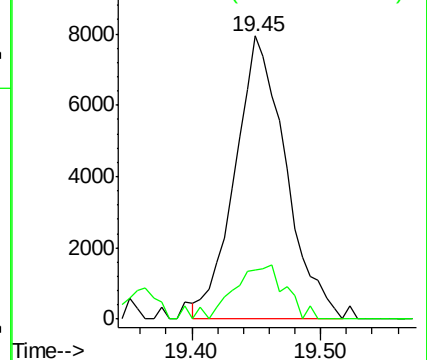
105 100

134 19.9 16.1 24.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 12.13 ppbv

RT: 16.33 min Scan# 2172

Delta R.T. -0.02 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

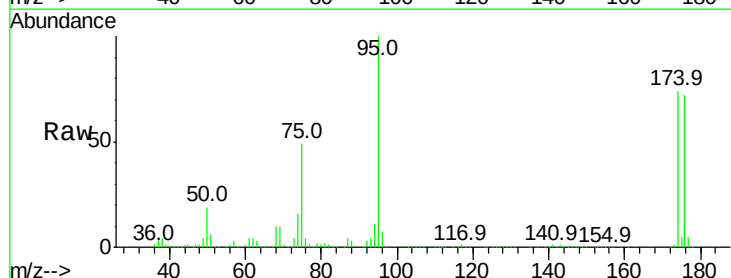
Tgt Ion: 95 Resp: 2810622

Ion Ratio Lower Upper

95 100

174 75.8 55.6 83.4

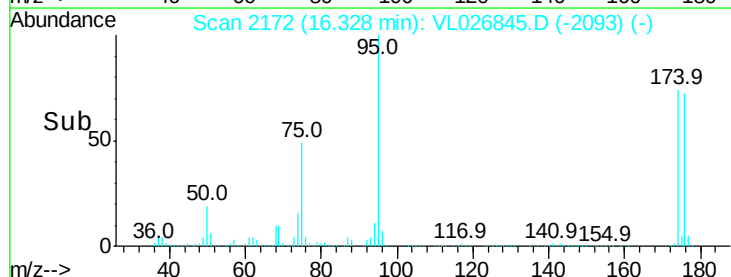
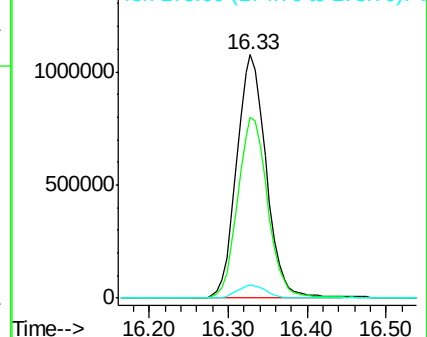
175 5.3 3.9 5.9

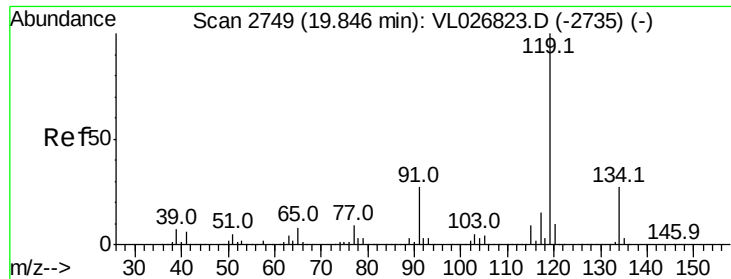


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

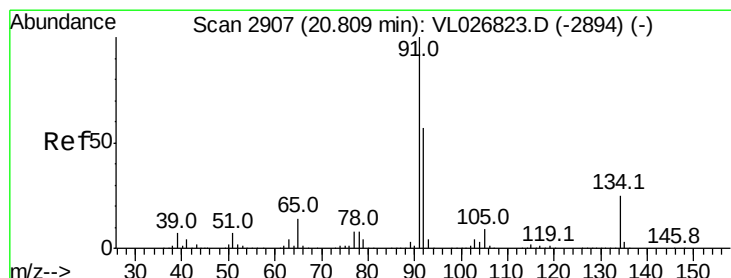
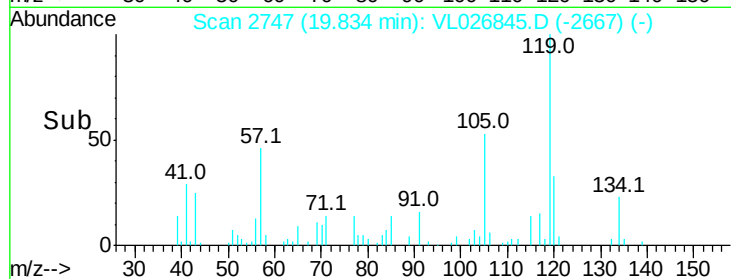
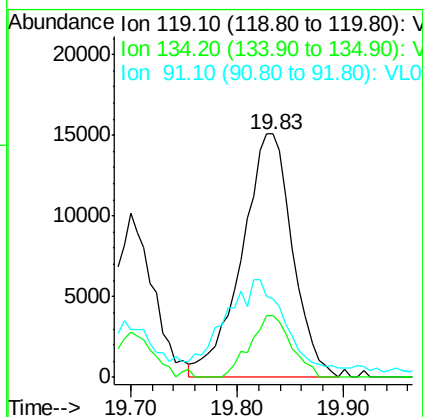
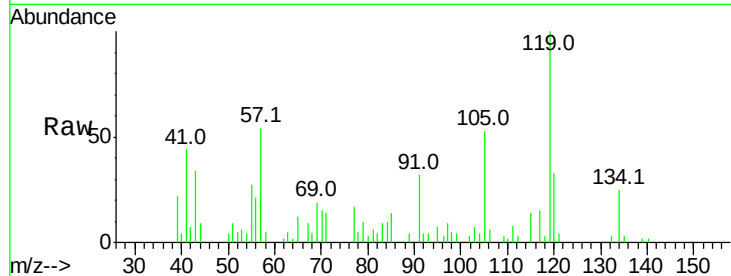




#69
 p-Isopropyltoluene
 Concen: 0.12 ppbv
 RT: 19.83 min Scan# 2747
 Delta R.T. -0.01 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

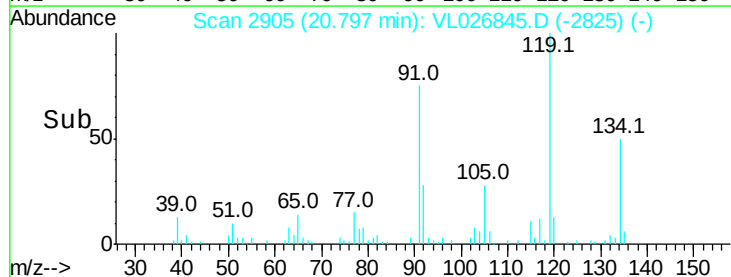
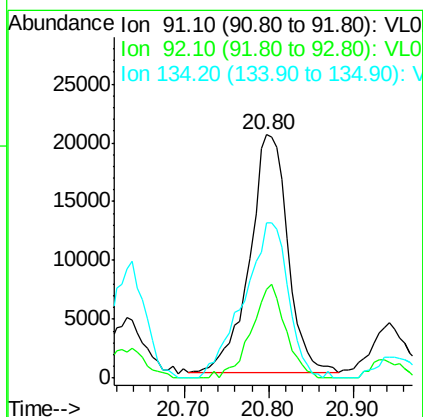
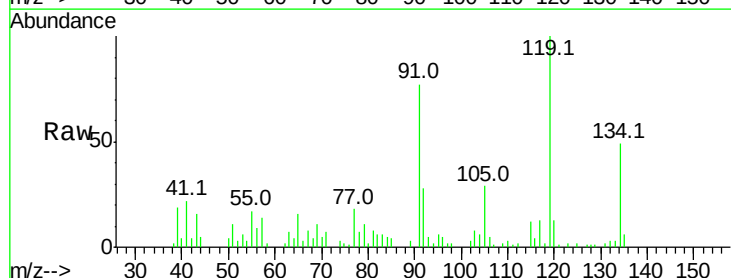
Instrument :
 MSVOA_L
 ClientSampleID :
 IA-2

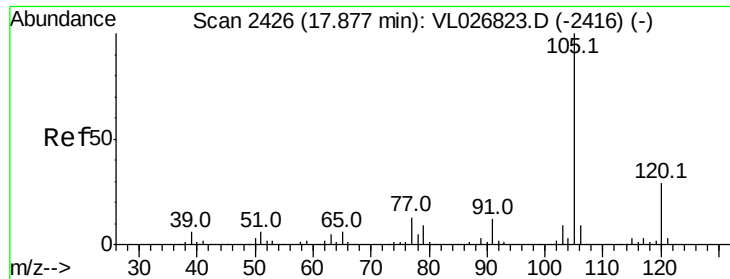
Tgt Ion: 119 Resp: 50205
 Ion Ratio Lower Upper
 119 100
 134 20.5 21.3 31.9#
 91 47.6 21.5 32.3#



#70
 n-Butylbenzene
 Concen: 0.15 ppbv
 RT: 20.80 min Scan# 2905
 Delta R.T. -0.01 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

Tgt Ion: 91 Resp: 62595
 Ion Ratio Lower Upper
 91 100
 92 35.4 44.2 66.4#
 134 76.4 19.3 28.9#





#72

4-Ethyltoluene

Concen: 0.42 ppbv

RT: 17.86 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:105 Resp: 138877

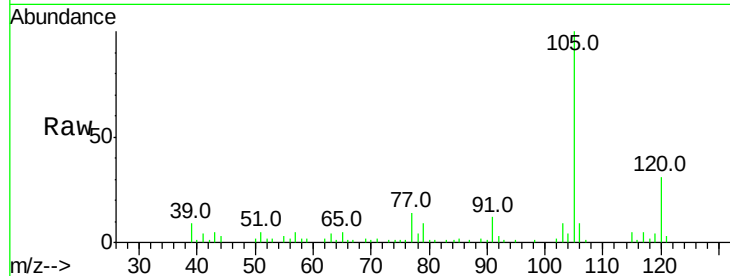
Ion Ratio Lower Upper

105 100

120 28.8 23.8 35.6

91 11.8 10.2 15.4

77 13.9 10.8 16.2

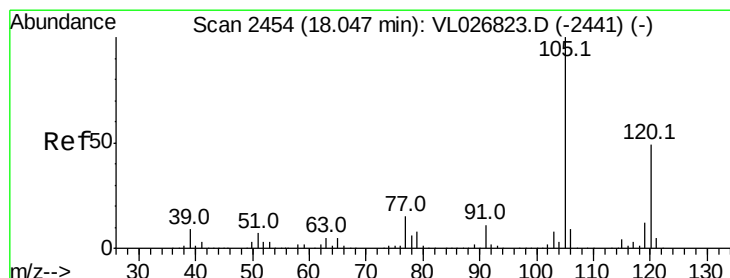
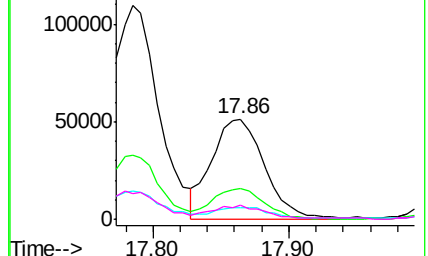
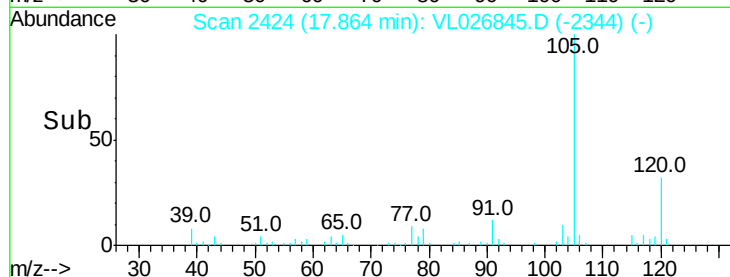


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.37 ppbv

RT: 18.03 min Scan# 2451

Delta R.T. -0.02 min

Lab File: VL026845.D

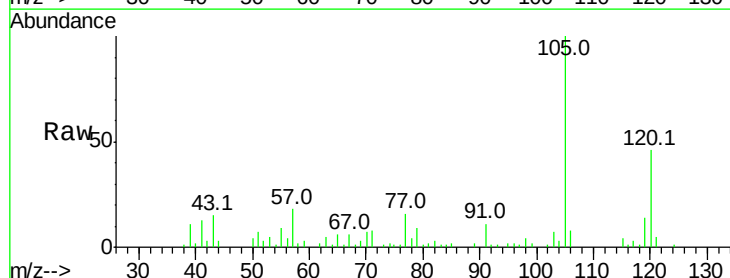
Acq: 10 Feb 2016 8:13

Tgt Ion:105 Resp: 119576

Ion Ratio Lower Upper

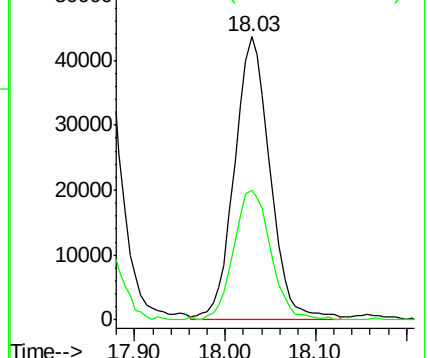
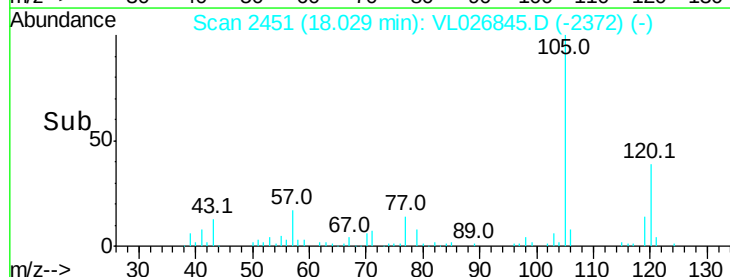
105 100

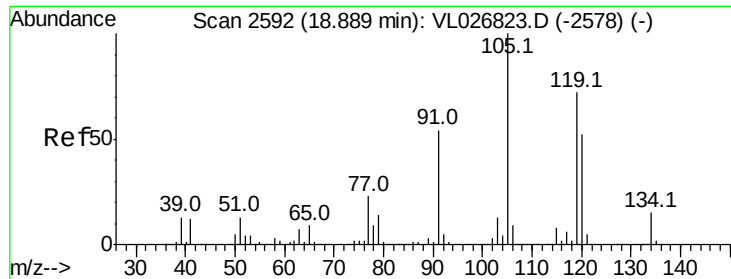
120 46.6 39.4 59.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

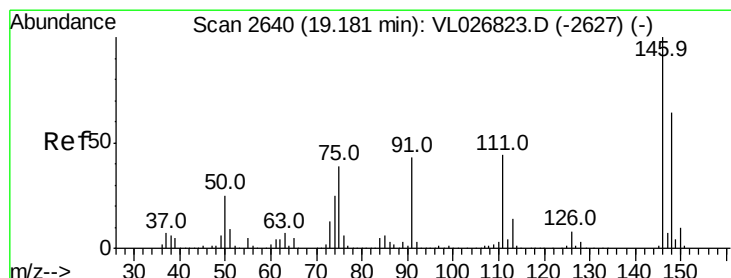
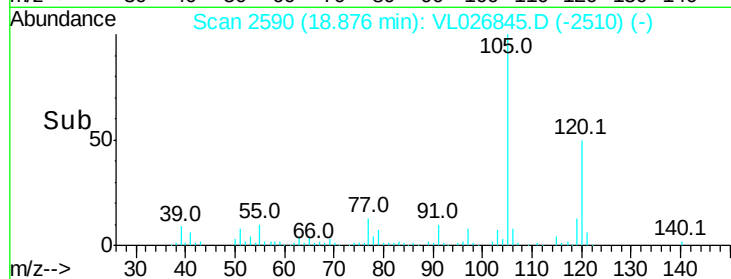
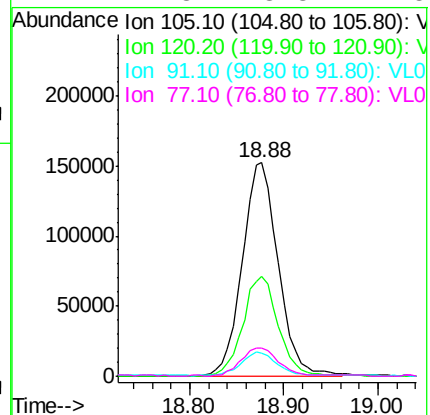
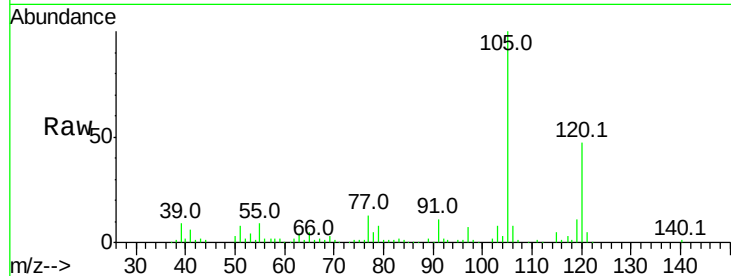




#74
 1,2,4-Trimethylbenzene
 Concen: 1.10 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

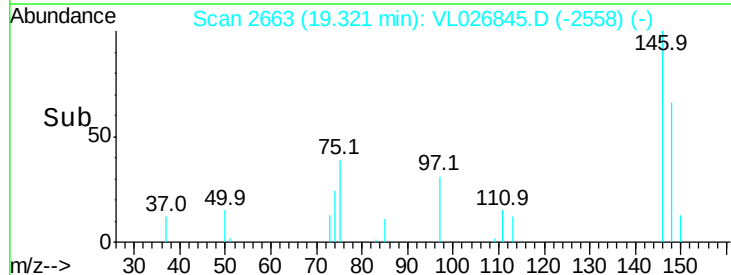
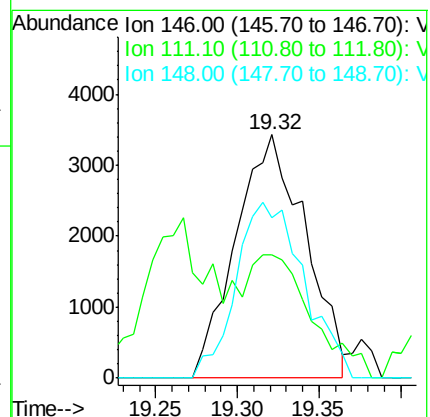
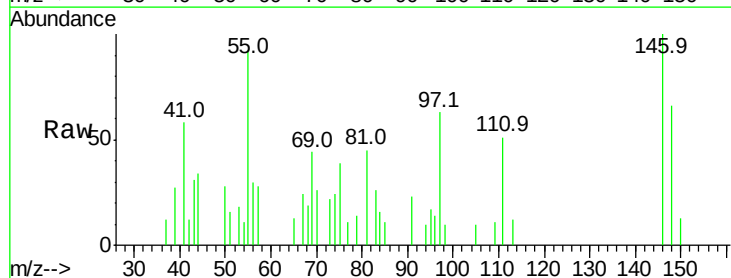
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

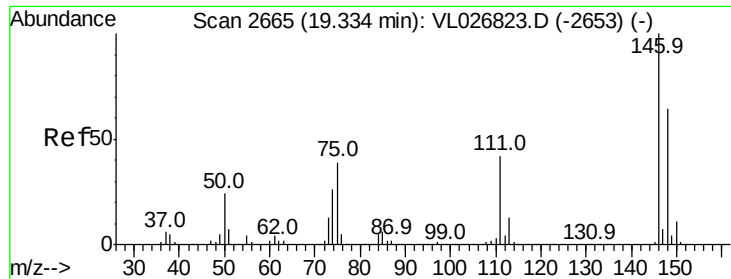
Tgt Ion:	105	Resp:	405728
Ion	Ratio	Lower	Upper
105	100		
120	46.6	41.3	61.9
91	10.8	43.3	64.9#
77	12.8	18.3	27.5#



#75
 1,3-Dichlorobenzene
 Concen: 0.05 ppbv
 RT: 19.32 min Scan# 2663
 Delta R.T. 0.14 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

Tgt Ion:	146	Resp:	10198
Ion	Ratio	Lower	Upper
146	100		
111	115.8	22.1	66.3#
148	70.1	32.2	96.6

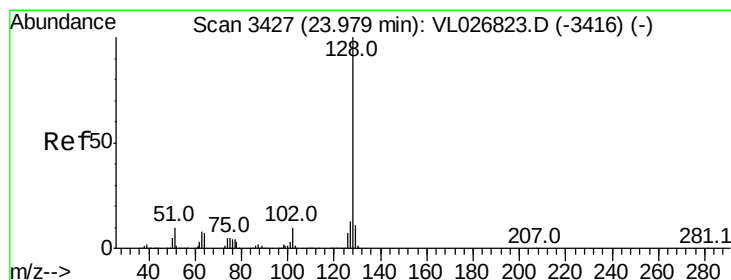
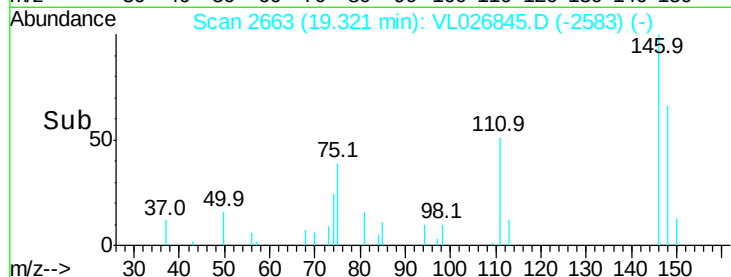
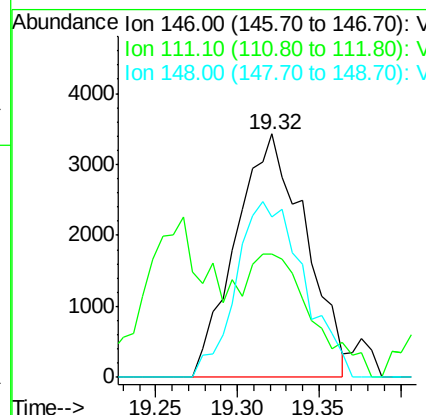
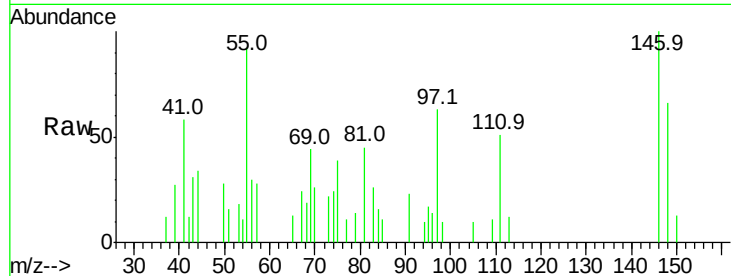




#76
 1,4-Dichlorobenzene
 Concen: 0.05 ppbv
 RT: 19.32 min Scan# 2663
 Delta R.T. -0.01 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

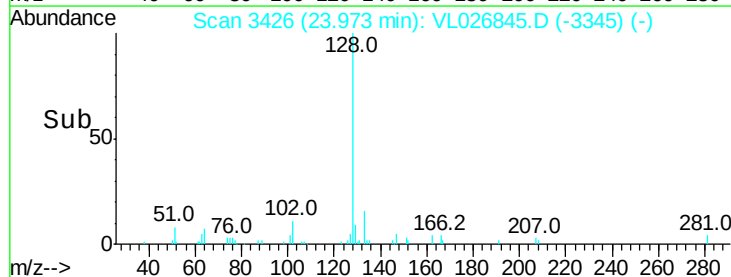
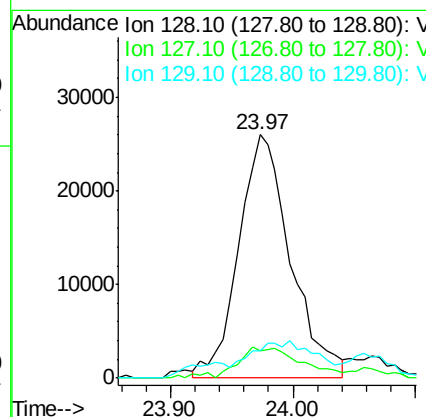
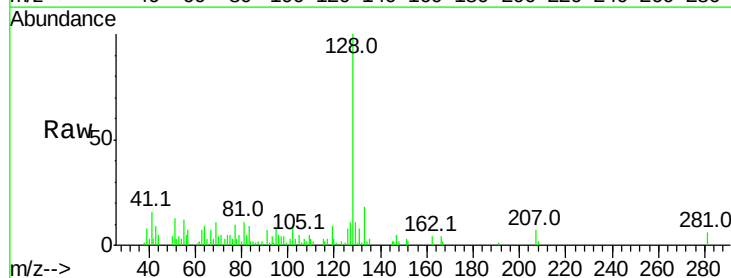
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

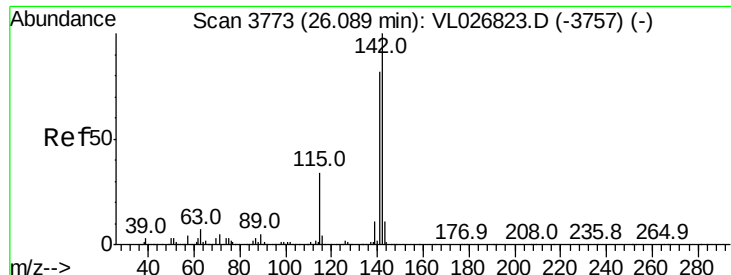
Tgt Ion:146 Resp: 10198
 Ion Ratio Lower Upper
 146 100
 111 58.0 21.6 64.8
 148 70.1 32.2 96.6



#79
 Naphthalene
 Concen: 0.43 ppbv
 RT: 23.97 min Scan# 3426
 Delta R.T. -0.01 min
 Lab File: VL026845.D
 Acq: 10 Feb 2016 8:13

Tgt Ion:128 Resp: 76785
 Ion Ratio Lower Upper
 128 100
 127 10.1 10.0 15.0
 129 5.9 8.7 13.1#





#80

Naphthalene, 2-methyl-

Concen: 0.49 ppbv

RT: 26.09 min Scan# 3773

Delta R.T. -0.00 min

Lab File: VL026845.D

Acq: 10 Feb 2016 8:13

Instrument :

MSVOA_L

ClientSampleId :

IA-2

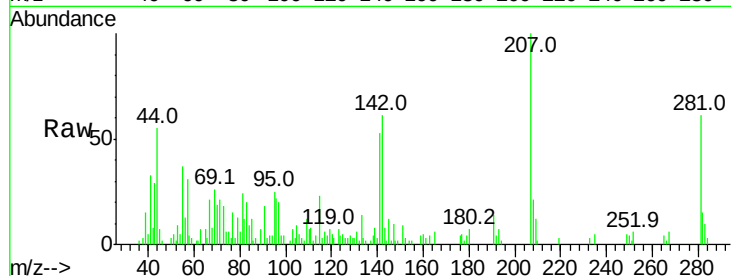
Tgt Ion:142 Resp: 35603

Ion Ratio Lower Upper

142 100

141 81.7 67.2 100.8

115 73.5 27.5 41.3#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

