

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026194.D
 Acq On : 10 Oct 2015 2:57
 Operator : SY/MD
 Sample : G3925-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 12 02:08:04 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	271510	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	913571	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	861353	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	672258	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	12019	0.24	ppbv	99
3) Chlorodifluoromethane	3.57	51	59968	1.89	ppbv	95
4) Chloromethane	3.76	50	8866	0.50	ppbv	97
8) Dichlorotetrafluoroethane	3.81	85	1499	0.03	ppbv	84
9) Propene	3.61	41	30386	2.09	ppbv #	66
10) Heptane	9.35	43	250362	4.95	ppbv	98
11) Trichlorofluoromethane	4.70	101	19404	0.39	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	5.31	101	4148	0.12	ppbv	94
13) Ethanol	4.34	45	20112	9.39	ppbv	85
15) Acetone	4.59	43	2062970	58.78	ppbv	99
16) 1,3-Butadiene	3.95	39	5516	0.34	ppbv #	47
17) tert-Butyl alcohol	5.16	59	4331	0.20	ppbv #	71
19) Isopropyl Alcohol	4.78	45	16302	1.19	ppbv #	94
20) Methylene Chloride	5.15	84	9869	0.66	ppbv #	86
21) Allyl Chloride	5.22	41	781	0.03	ppbv #	17
23) Vinyl Acetate	6.01	43	103514	1.67	ppbv #	48
25) Ethyl Acetate	6.68	43	31809	0.47	ppbv #	95
26) Hexane	6.66	57	20107	0.61	ppbv #	82
27) Carbon Disulfide	5.39	76	23207	0.59	ppbv #	73
29) Chloroform	6.75	83	18083	0.37	ppbv	95
30) Cyclohexane	8.29	84	5045	0.16	ppbv #	1
31) cis-1,2-Dichloroethene	6.68	61	2288	0.08	ppbv #	21
34) 2-Butanone	6.21	43	27526	0.54	ppbv	97
35) Carbon Tetrachloride	8.17	117	6547	0.11	ppbv	92
36) Benzene	8.02	78	15535	0.18	ppbv	97
38) Trichloroethene	9.07	130	3178	0.08	ppbv	96
41) Tetrahydrofuran	7.15	42	3445	0.12	ppbv #	36
42) Bromodichloromethane	9.02	83	3215	0.05	ppbv #	75
44) 2,2,4-Trimethylpentane	9.09	57	13074	0.09	ppbv #	19
50) 4-Methyl-2-Pentanone	10.10	43	39927	0.59	ppbv	95
52) Tetrachloroethene	12.79	164	37501	0.87	ppbv	98
53) Toluene	11.24	91	1133326	10.07	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.88	131	29517	0.86	ppbv #	12
58) Ethyl Benzene	14.41	91	59091	0.47	ppbv	91
59) m/p-Xylene	14.69	91	160303	1.60	ppbv	93
60) o-Xylene	15.49	91	59580	0.57	ppbv	96
61) Styrene	15.31	104	60674	1.41	ppbv	96
62) Isopropylbenzene	16.54	105	8377	0.06	ppbv #	89
64) n-propylbenzene	17.52	120	6183	0.17	ppbv	96
65) tert-Butylbenzene	18.82	119	9546	0.08	ppbv #	1
67) sec-Butylbenzene	19.41	105	8875	0.05	ppbv	96

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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 12 02:08:04 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

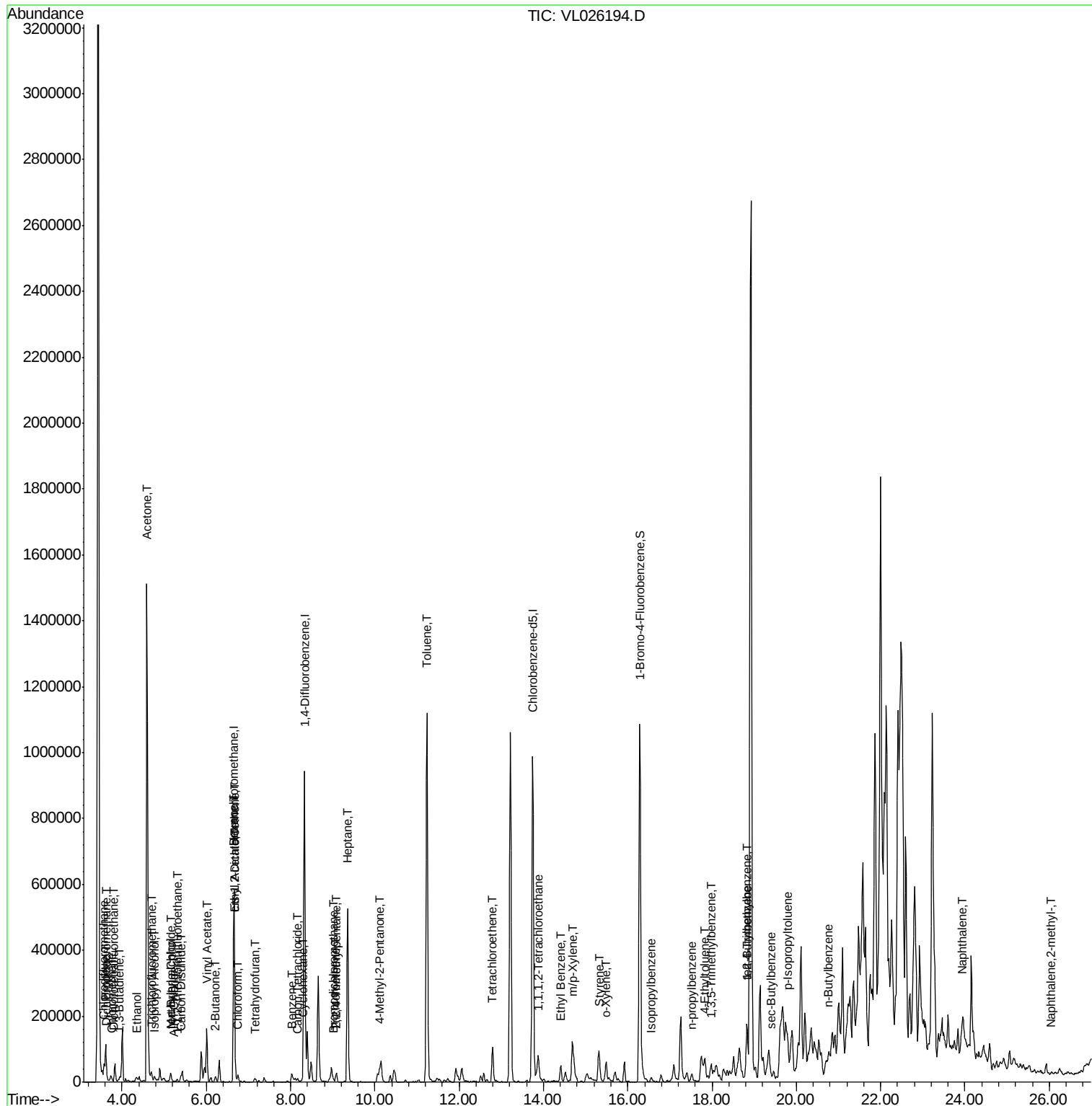
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	19.79	119	48664	0.36	ppbv #	77
70) n-Butylbenzene	20.76	91	24424	0.19	ppbv #	53
72) 4-Ethyltoluene	17.82	105	36895	0.33	ppbv #	96
73) 1,3,5-Trimethylbenzene	17.98	105	35259	0.33	ppbv	95
74) 1,2,4-Trimethylbenzene	18.83	105	134983	1.22	ppbv #	72
79) Naphthalene	23.94	128	59803	0.86	ppbv	97
80) Naphthalene,2-methyl-	26.04	142	5643	0.36	ppbv	94

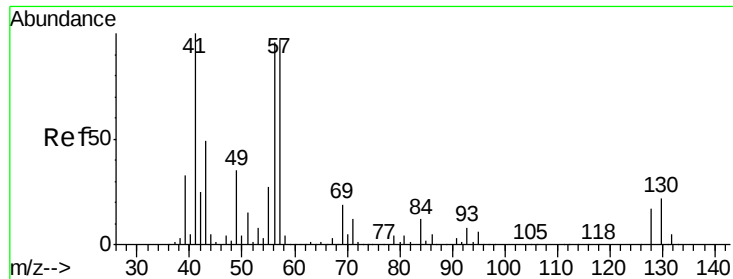
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 12 02:08:04 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration

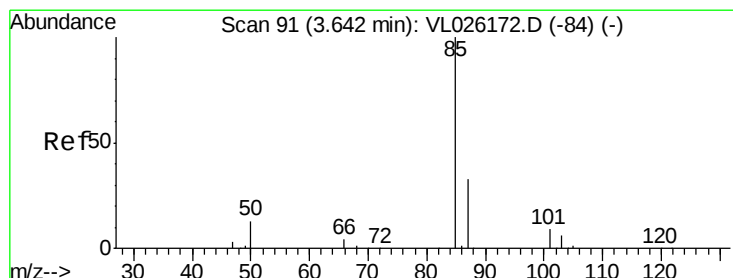
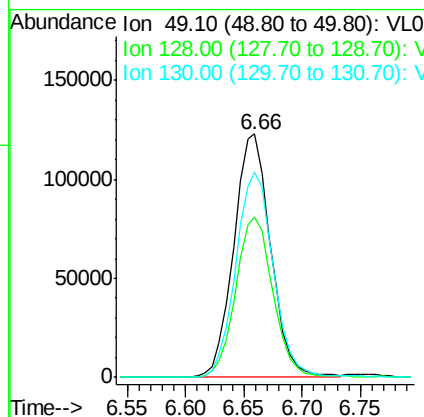
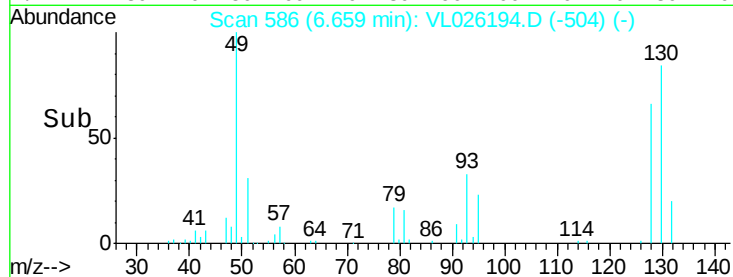
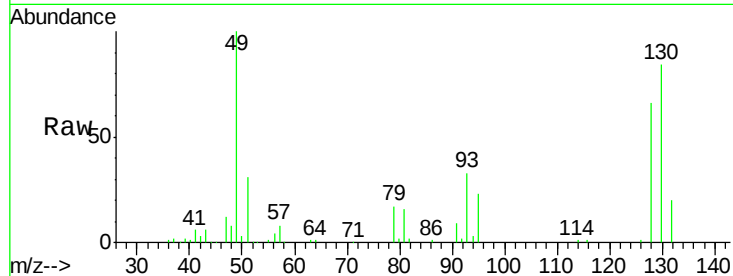




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.66 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

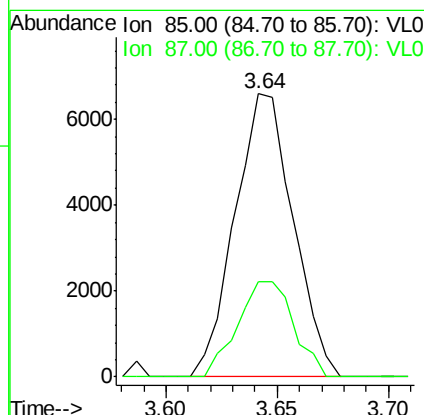
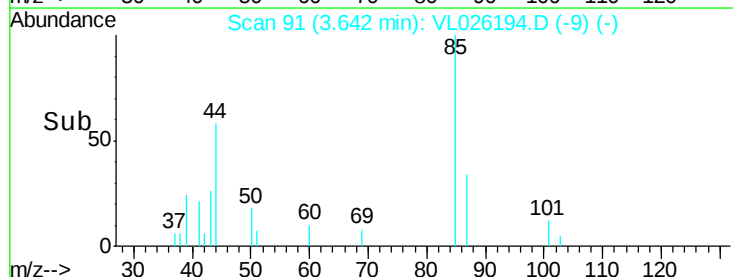
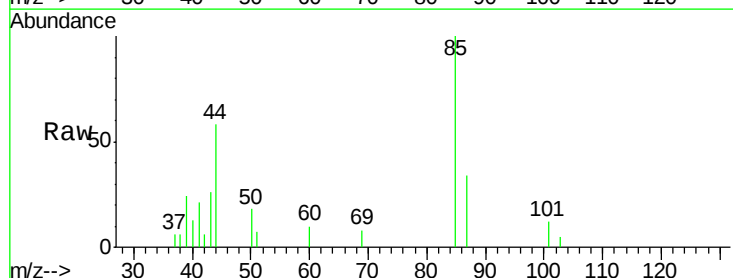
Instrument :
 MSVOA_L
 ClientSampleId :

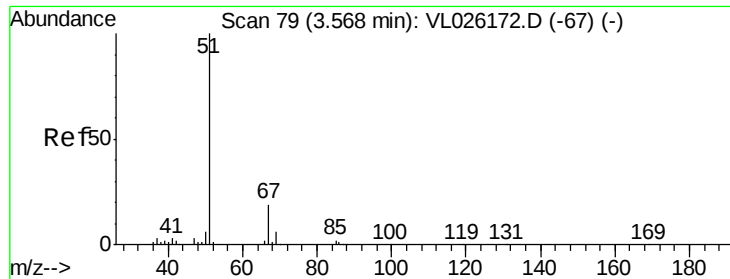
Tot Ion: 49 Resp: 271510
 Ion Ratio Lower Upper
 49 100
 128 66.9 26.3 78.8
 130 86.1 34.2 102.5



#2
 Dichlorodifluoromethane
 Concen: 0.24 ppbv
 RT: 3.64 min Scan# 91
 Delta R.T. 0.00 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Tgt Ion: 85 Resp: 12019
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.2 39.4





#3

Chlorodifluoromethane

Concen: 1.89 ppbv

RT: 3.57 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

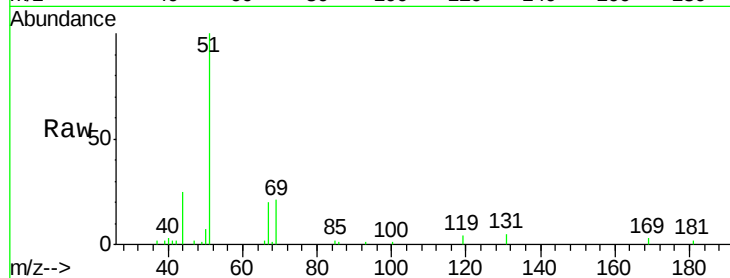
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 51 Resp: 59968

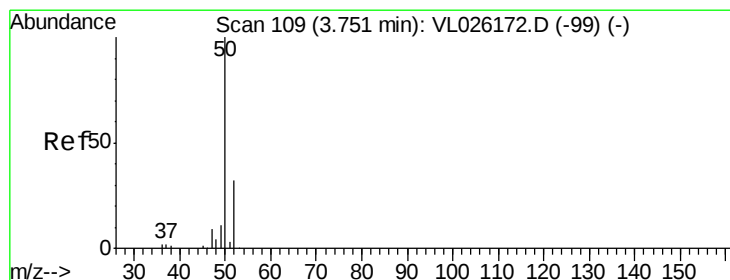
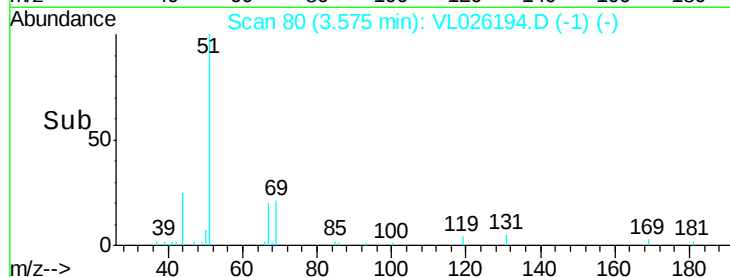
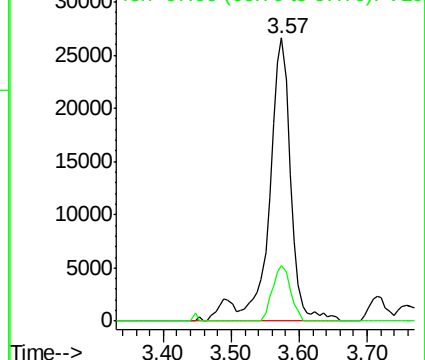
Ion Ratio Lower Upper

51 100

67 16.2 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.50 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL026194.D

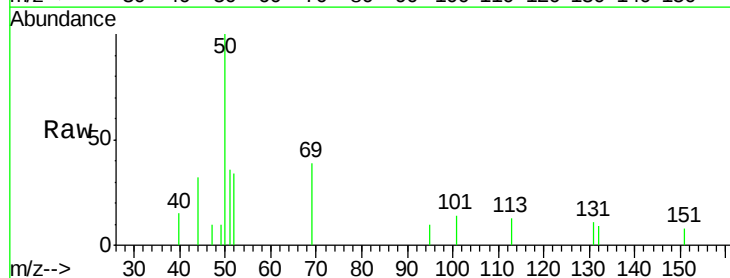
Acq: 10 Oct 2015 2:57

Tgt Ion: 50 Resp: 8866

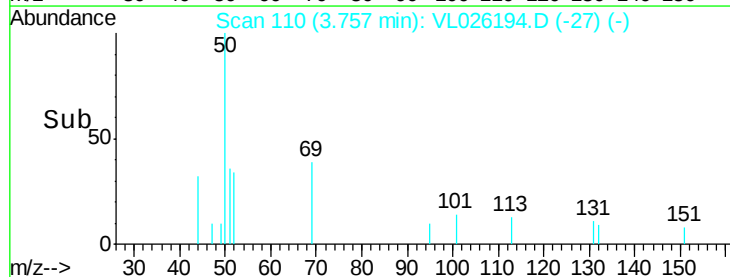
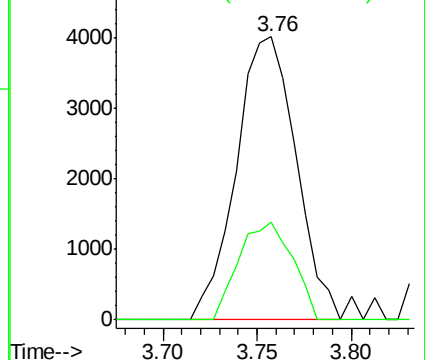
Ion Ratio Lower Upper

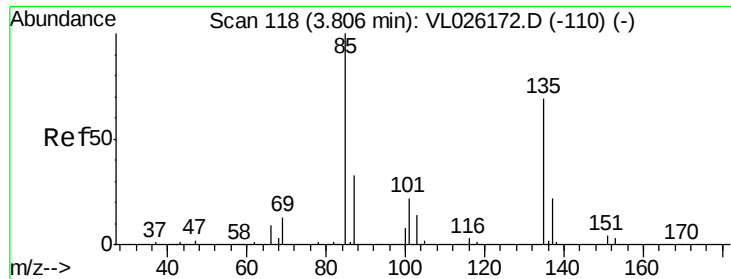
50 100

52 34.3 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0

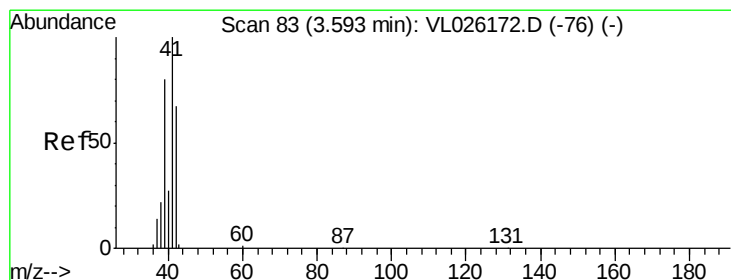
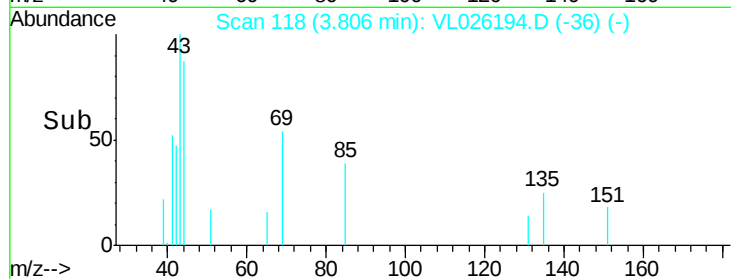
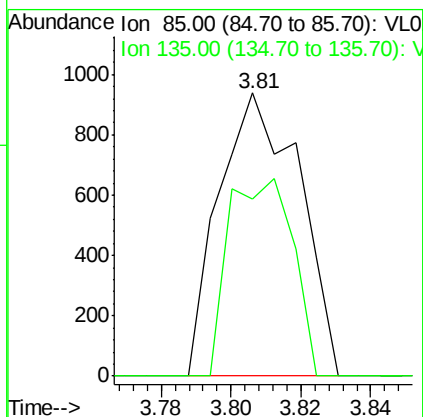
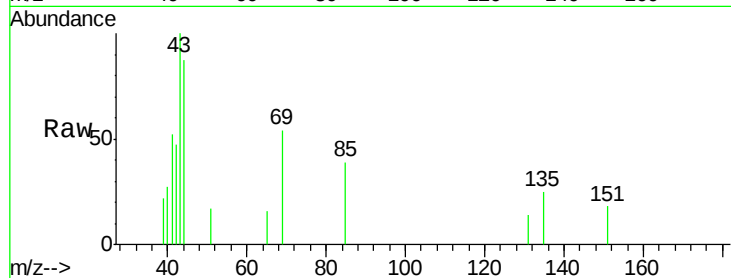




#8
 Dichlorotetrafluoroethane
 Concen: 0.03 ppbv
 RT: 3.81 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

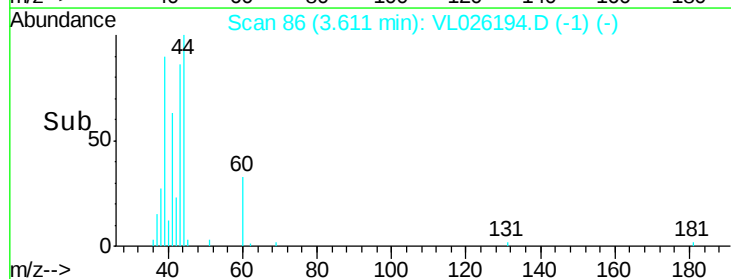
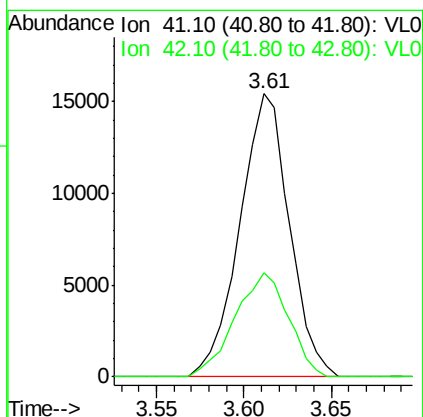
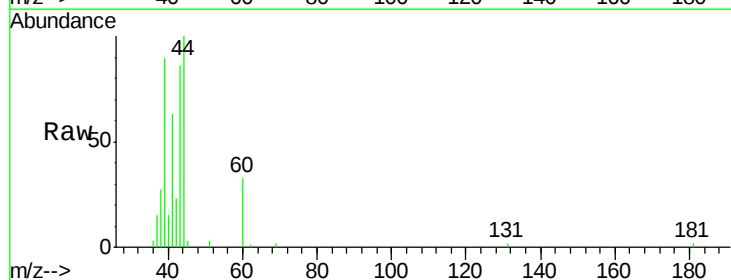
Instrument :
 MSVOA_L
 ClientSampled :

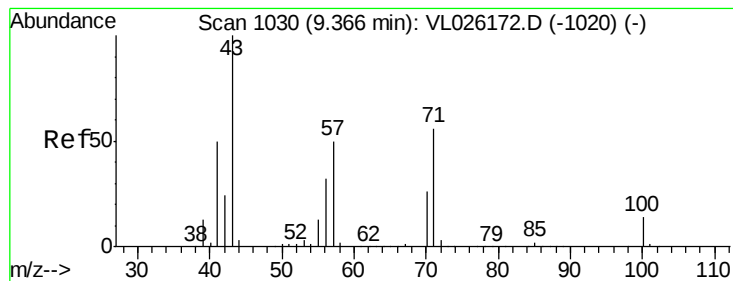
Tot Ion: 85 Resp: 1499
 Ion Ratio Lower Upper
 85 100
 135 55.8 55.3 82.9



#9
 Propene
 Concen: 2.09 ppbv
 RT: 3.61 min Scan# 86
 Delta R.T. 0.02 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Tgt Ion: 41 Resp: 30386
 Ion Ratio Lower Upper
 41 100
 42 39.6 53.6 80.4#





#10

Heptane

Concen: 4.95 ppbv

RT: 9.35 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

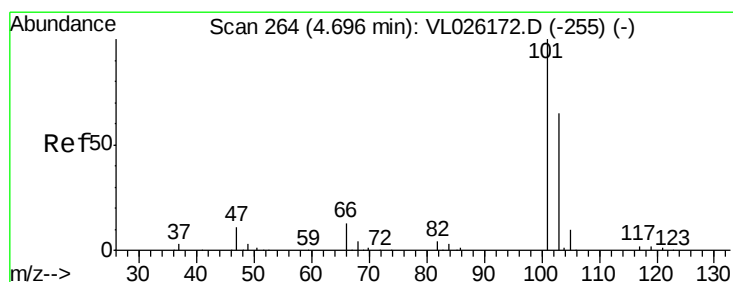
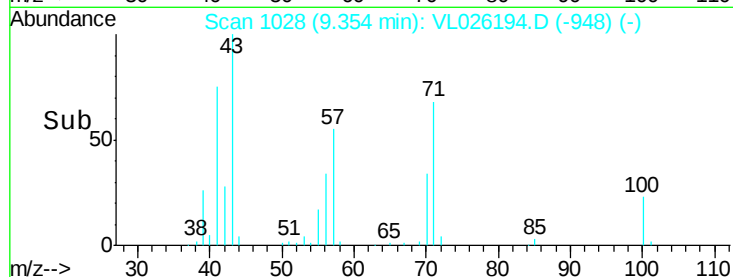
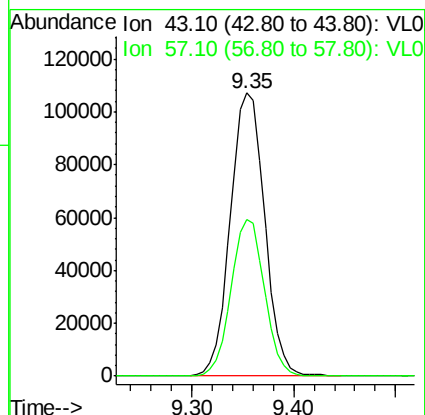
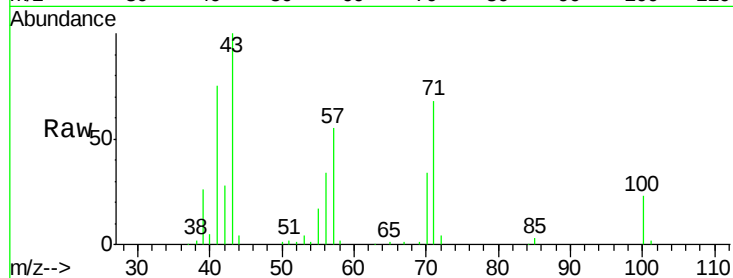
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 250362

Ion Ratio Lower Upper

43 100

57 53.6 41.8 62.8



#11

Trichlorofluoromethane

Concen: 0.39 ppbv

RT: 4.70 min Scan# 264

Delta R.T. 0.00 min

Lab File: VL026194.D

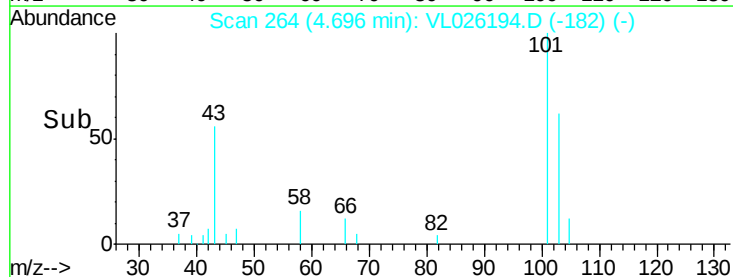
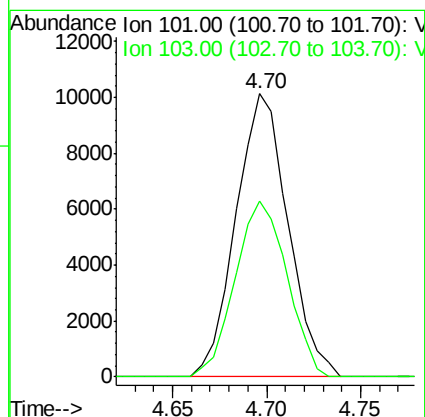
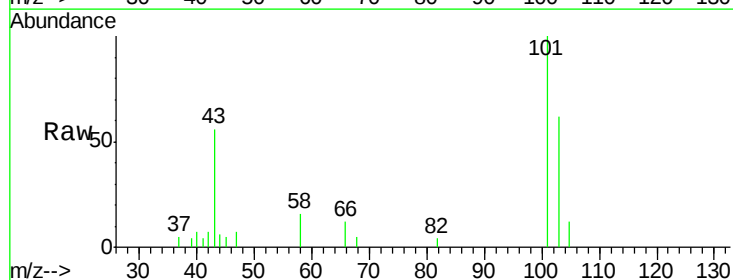
Acq: 10 Oct 2015 2:57

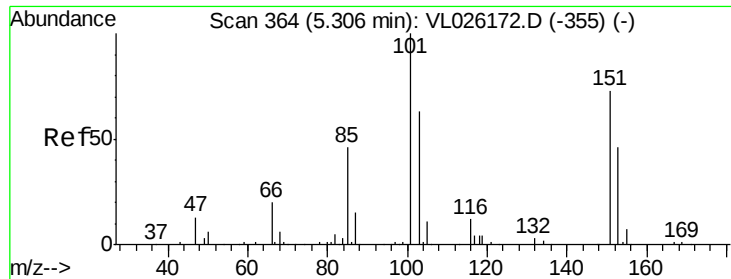
Tgt Ion: 101 Resp: 19404

Ion Ratio Lower Upper

101 100

103 62.3 51.9 77.9

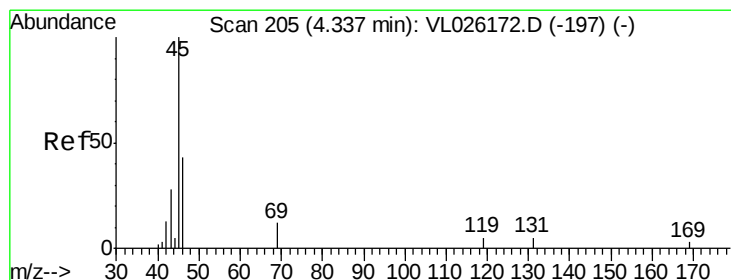
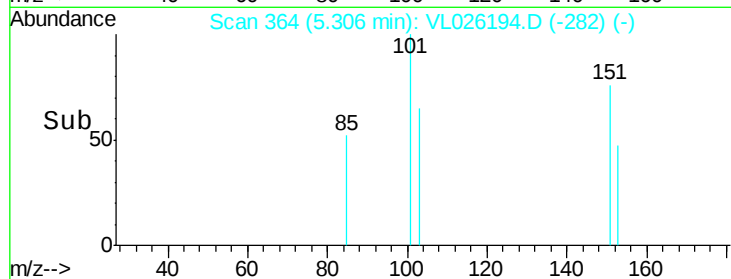
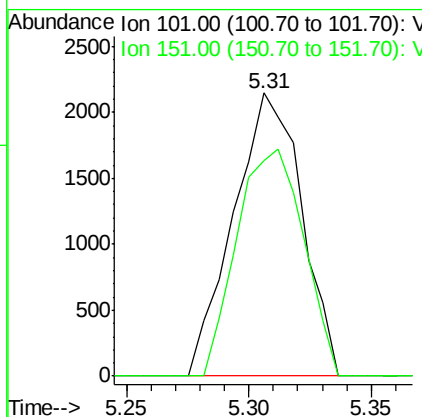
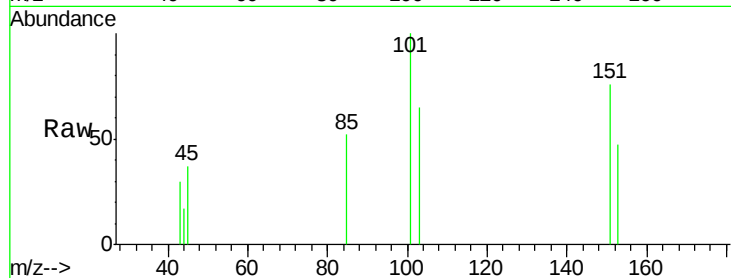




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.12 ppbv
 RT: 5.31 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

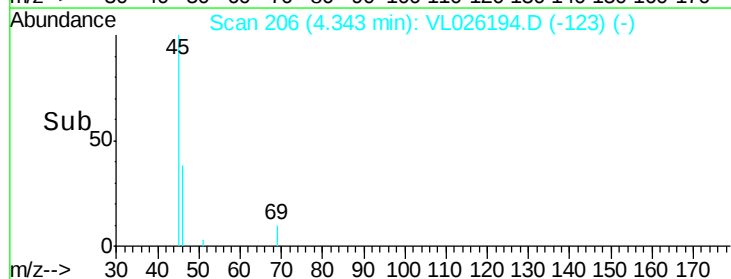
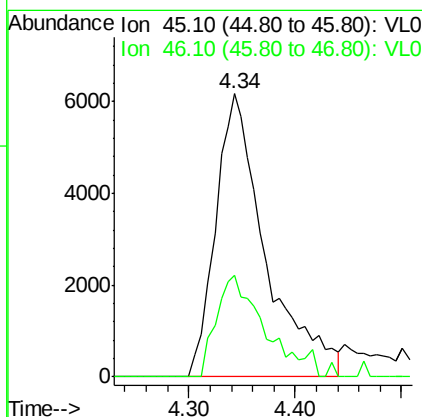
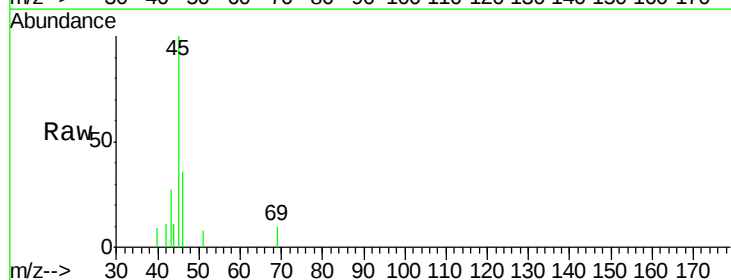
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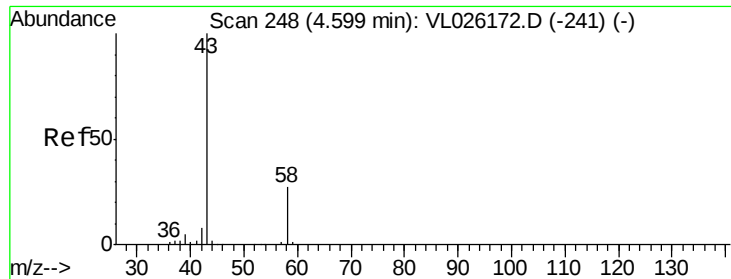
Tot Ion:101 Resp: 4148
 Ion Ratio Lower Upper
 101 100
 151 78.8 59.0 88.6



#13
 Ethanol
 Concen: 9.39 ppbv
 RT: 4.34 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Tgt Ion: 45 Resp: 20112
 Ion Ratio Lower Upper
 45 100
 46 35.3 18.1 72.5





#15

Acetone

Concen: 58.78 ppbv

RT: 4.59 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Instrument :

MSVOA_L

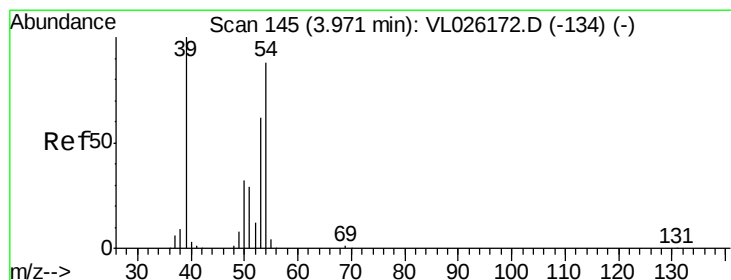
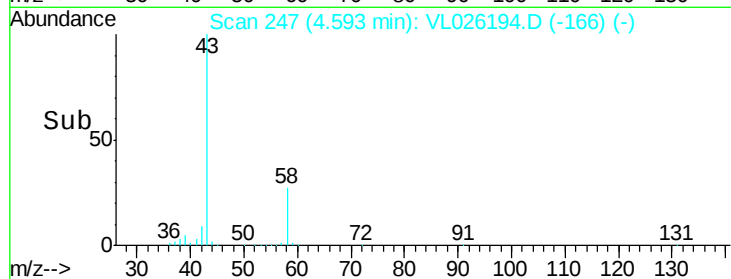
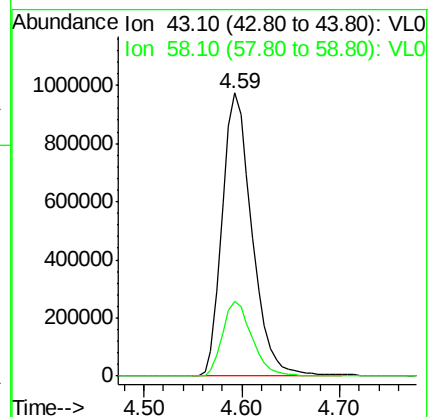
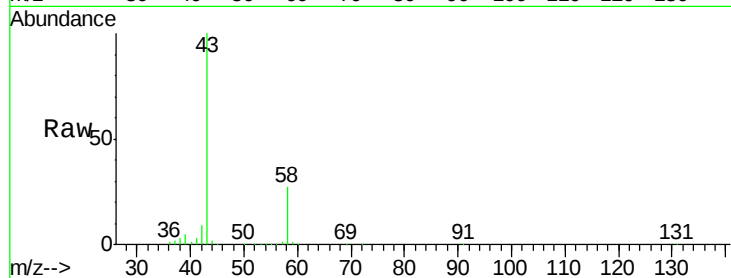
ClientSampled :

Tot Ion: 43 Resp: 2062970

Ion Ratio Lower Upper

43 100

58 26.8 22.0 33.0



#16

1,3-Butadiene

Concen: 0.34 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL026194.D

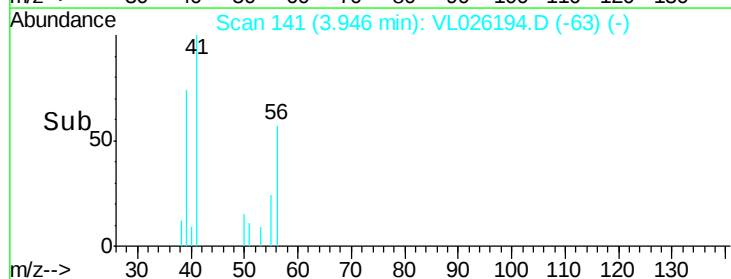
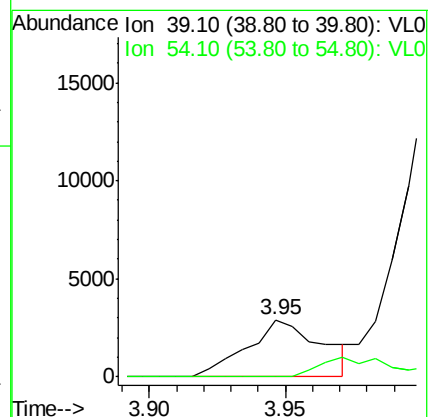
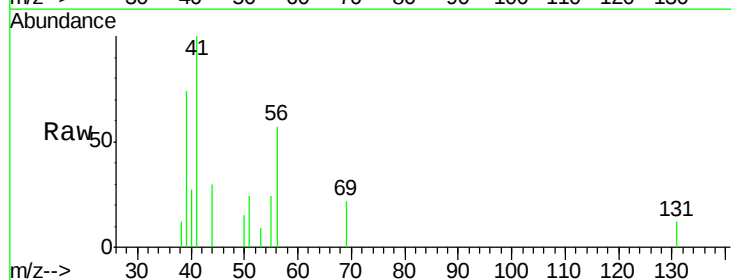
Acq: 10 Oct 2015 2:57

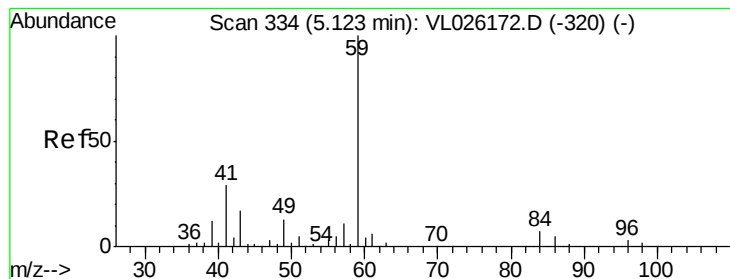
Tgt Ion: 39 Resp: 5516

Ion Ratio Lower Upper

39 100

54 36.3 67.9 101.9#



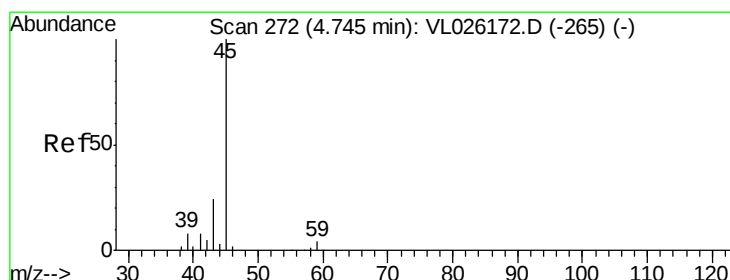
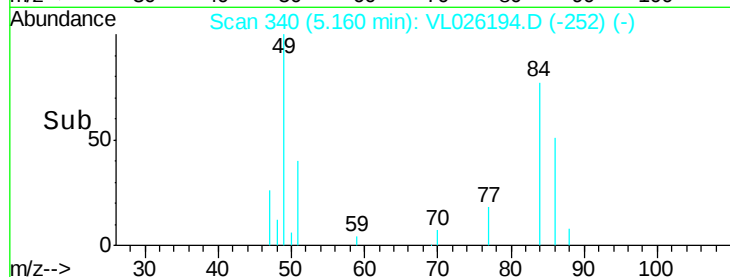
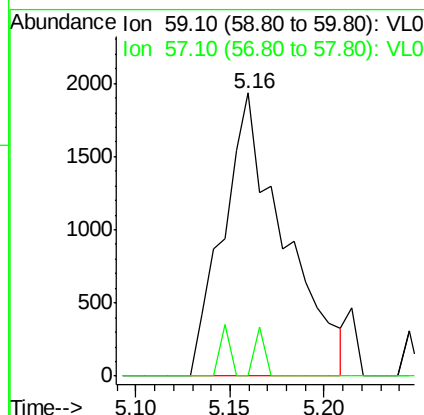
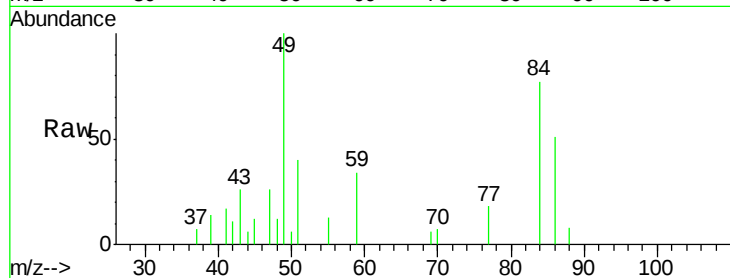


#17

tert-Butyl alcohol
 Concen: 0.20 ppbv
 RT: 5.16 min Scan# 340
 Delta R.T. 0.04 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Instrument :
 MSVOA_L
 ClientSampled :

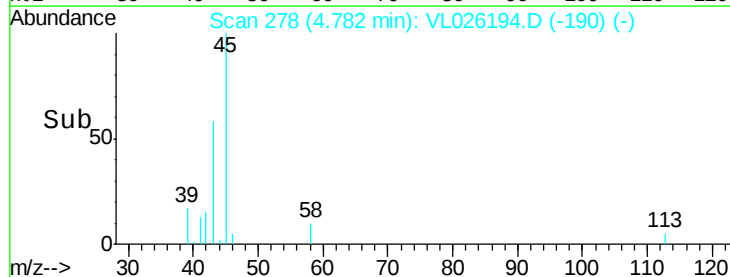
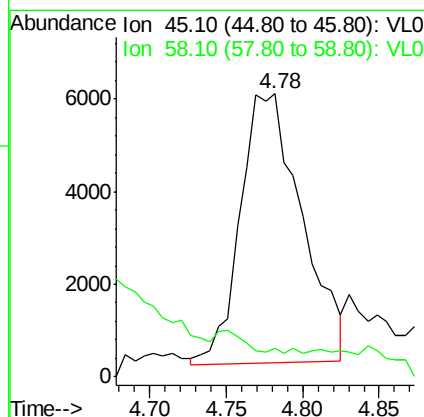
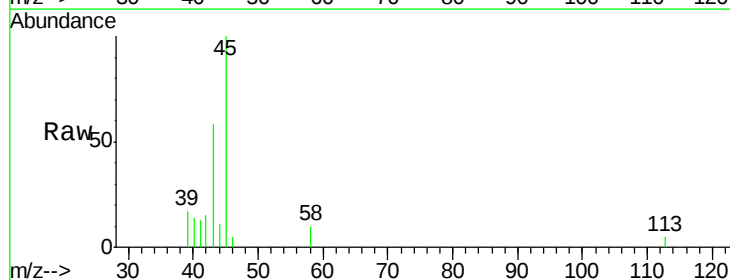
Tot Ion: 59 Resp: 4331
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

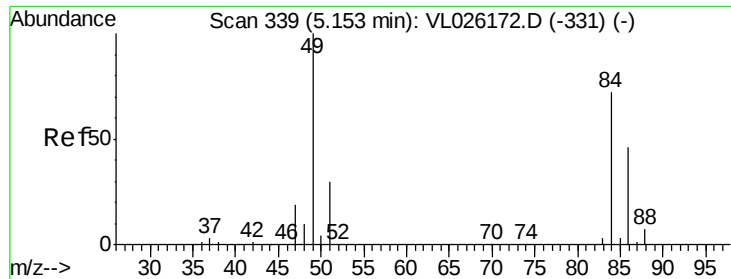


#19

Isopropyl Alcohol
 Concen: 1.19 ppbv
 RT: 4.78 min Scan# 278
 Delta R.T. 0.04 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Tgt Ion: 45 Resp: 16302
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.7 2.5#

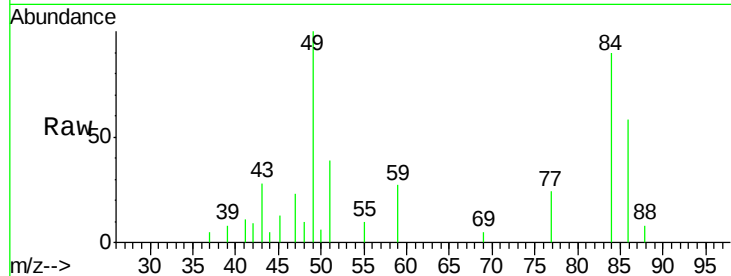




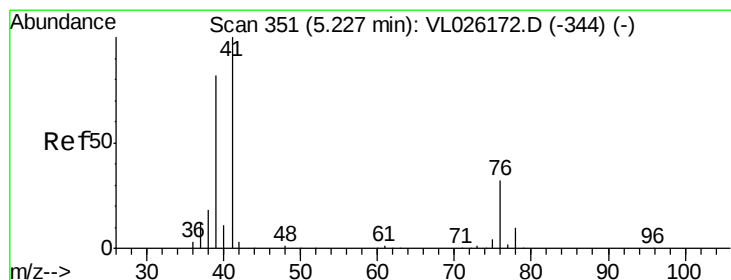
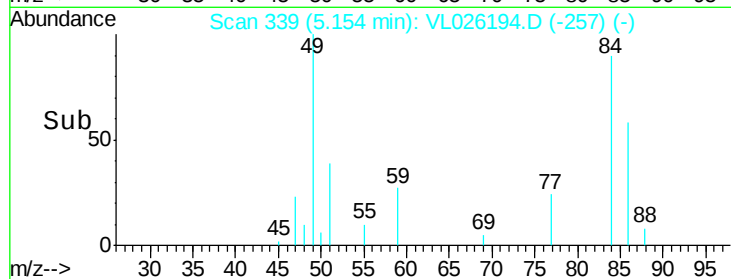
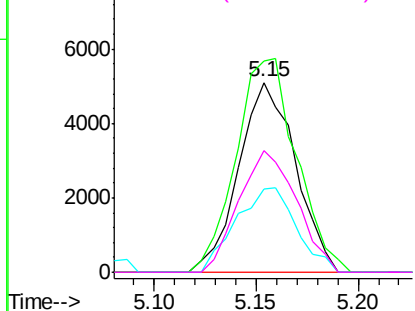
#20
Methylene Chloride
Concen: 0.66 ppbv
RT: 5.15 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 9869
Ion Ratio Lower Upper
84 100
49 111.2 111.3 166.9#
51 43.8 33.0 49.6
86 64.5 51.6 77.4

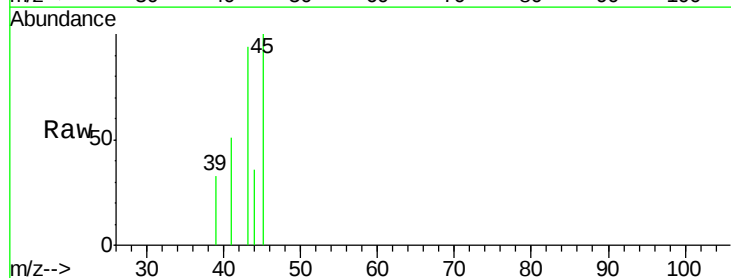


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

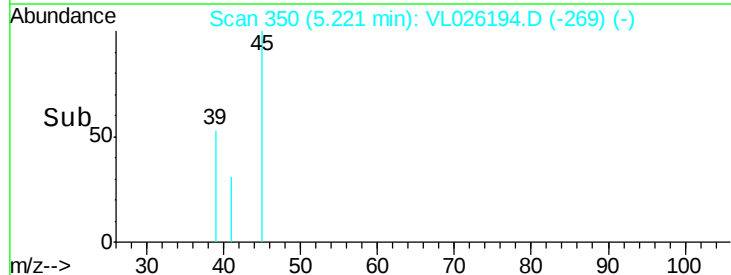
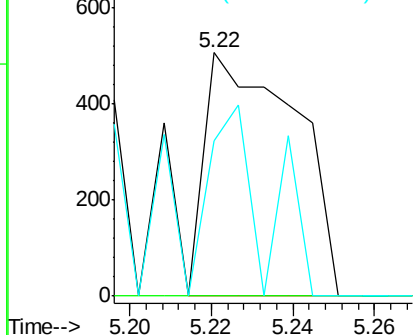


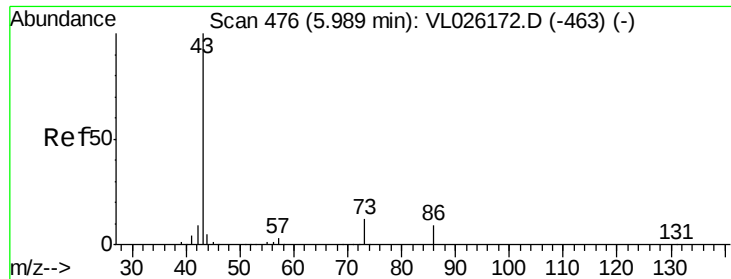
#21
Allyl Chloride
Concen: 0.03 ppbv
RT: 5.22 min Scan# 350
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion: 41 Resp: 781
Ion Ratio Lower Upper
41 100
76 0.0 25.4 38.2#
39 0.0 66.5 99.7#



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





#23

Vinyl Acetate

Concen: 1.67 ppbv

RT: 6.01 min Scan# 480

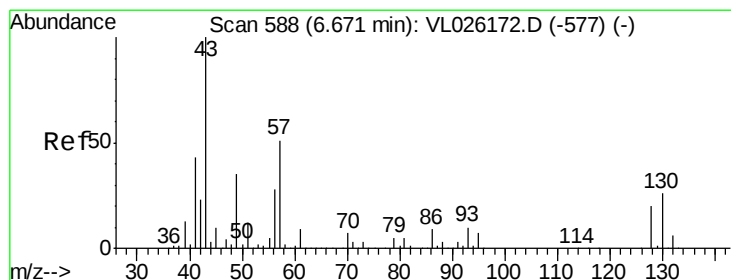
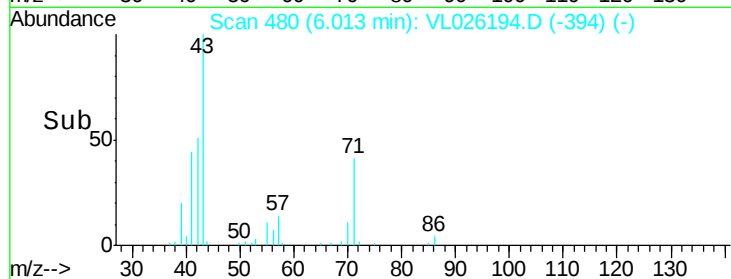
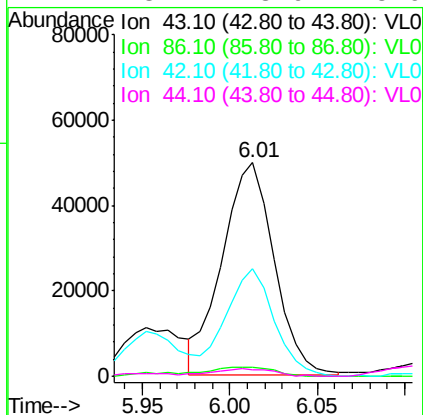
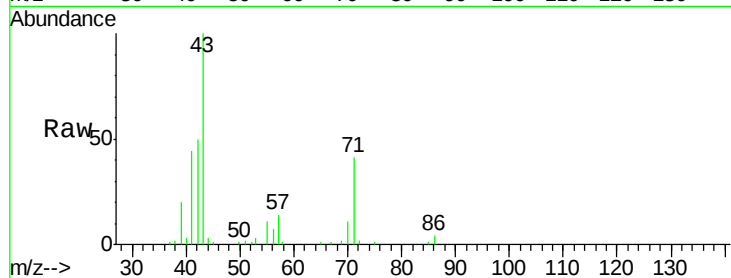
Delta R.T. 0.02 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	103514
Ion	Ratio	Lower	Upper
43	100		
86	4.5	7.2	10.8#
42	51.3	7.4	11.2#
44	3.1	3.9	5.9#



#25

Ethyl Acetate

Concen: 0.47 ppbv

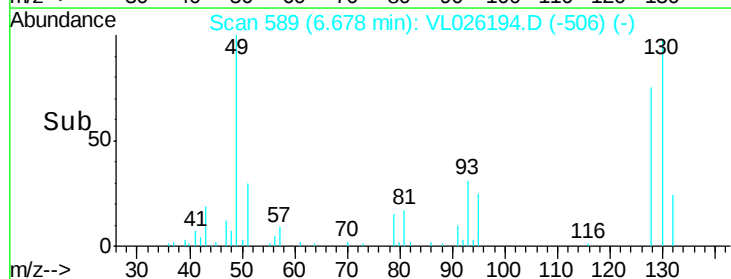
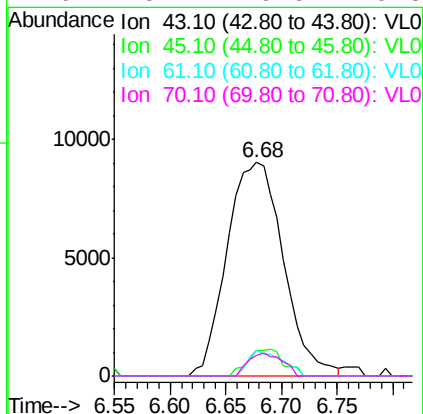
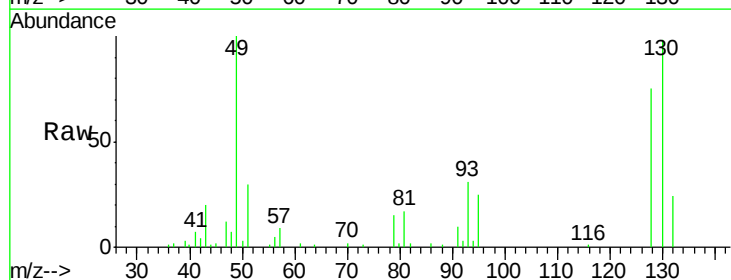
RT: 6.68 min Scan# 589

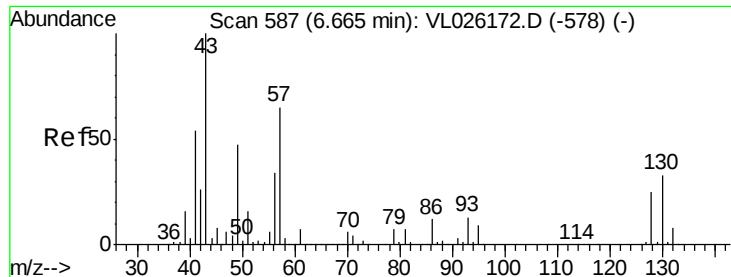
Delta R.T. 0.01 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Tgt Ion:	43	Resp:	31809
Ion	Ratio	Lower	Upper
43	100		
45	8.0	7.7	11.5
61	7.2	7.4	11.2#
70	6.4	6.6	9.8#

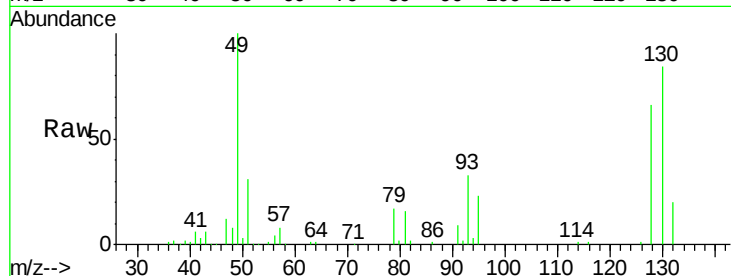




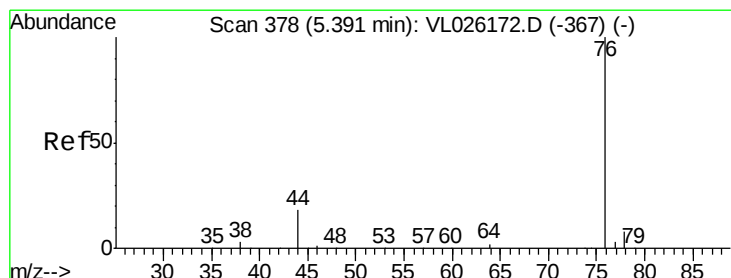
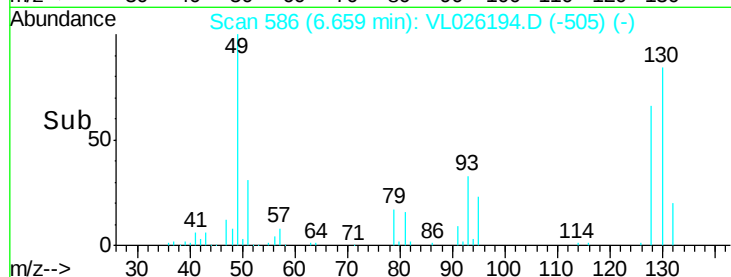
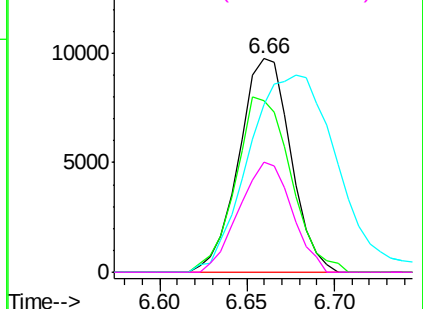
#26
Hexane
Concen: 0.61 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 20107
Ion Ratio Lower Upper
57 100
41 87.2 68.0 102.0
43 160.8 164.4 246.6#
56 52.3 42.7 64.1

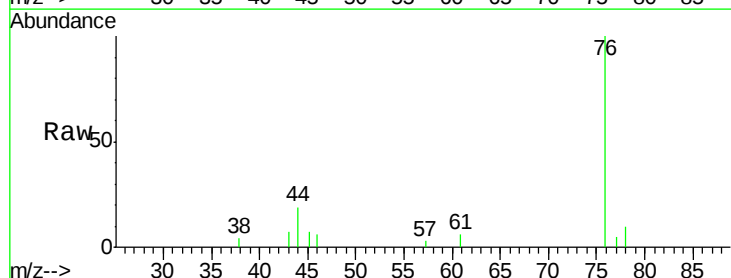


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

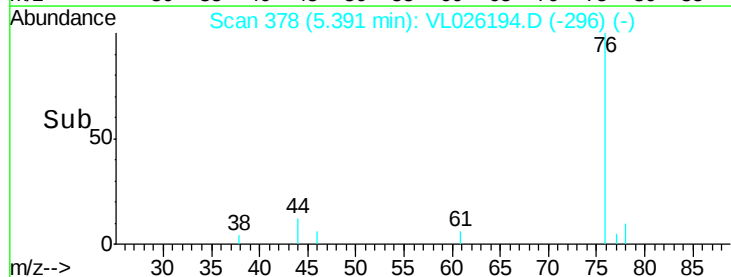
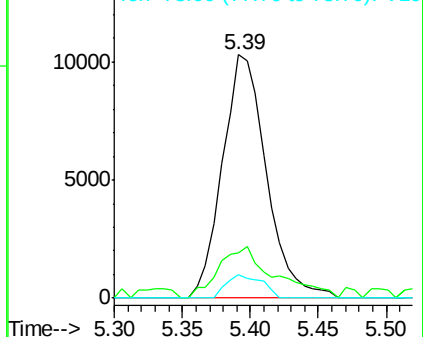


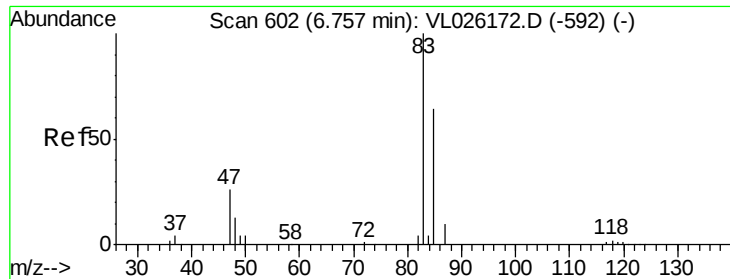
#27
Carbon Disulfide
Concen: 0.59 ppbv
RT: 5.39 min Scan# 378
Delta R.T. 0.00 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion: 76 Resp: 23207
Ion Ratio Lower Upper
76 100
44 35.1 14.2 21.4#
78 7.7 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

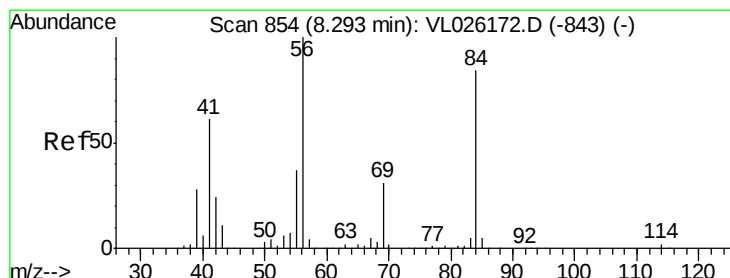
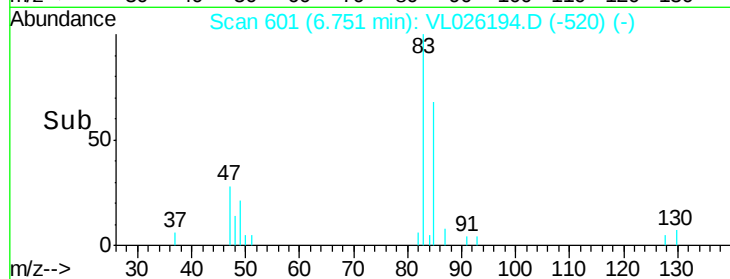
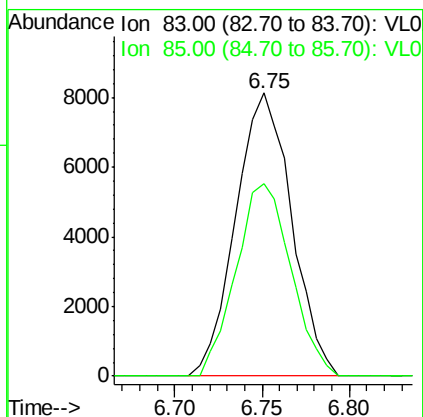
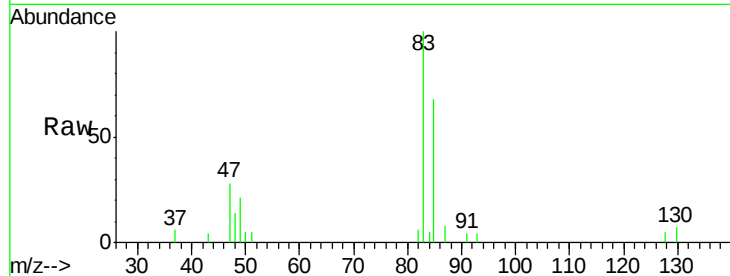




#29
Chloroform
Concen: 0.37 ppbv
RT: 6.75 min Scan# 601
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

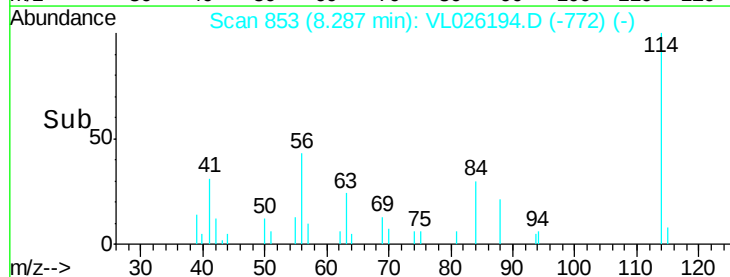
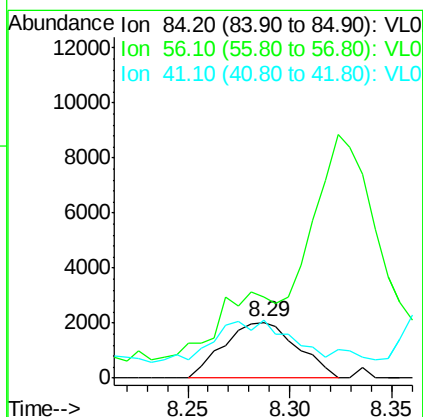
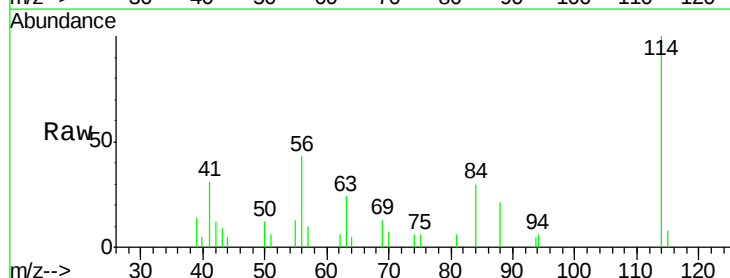
Instrument :
MSVOA_L
ClientSampleId :

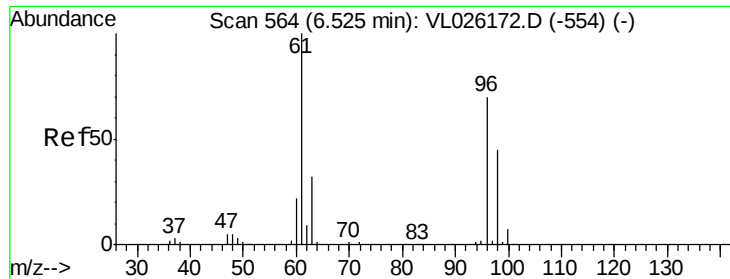
Tot Ion: 83 Resp: 18083
Ion Ratio Lower Upper
83 100
85 68.0 51.5 77.3



#30
Cyclohexane
Concen: 0.16 ppbv
RT: 8.29 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion: 84 Resp: 5045
Ion Ratio Lower Upper
84 100
56 524.8 99.8 149.8#
41 159.8 58.1 87.1#





#31

cis-1,2-Dichloroethene

Concen: 0.08 ppbv

RT: 6.68 min Scan# 589

Delta R.T. 0.15 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Instrument :

MSVOA_L

ClientSampleId :

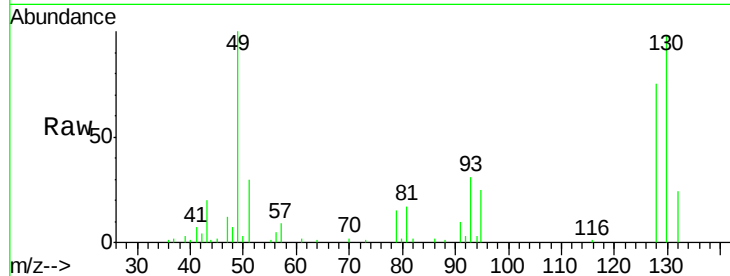
Tot Ion: 61 Resp: 2288

Ion Ratio Lower Upper

61 100

96 0.0 55.8 83.8#

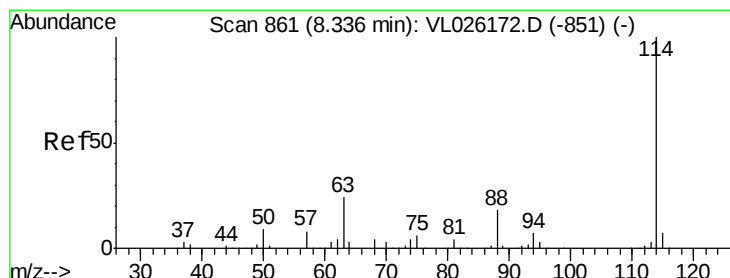
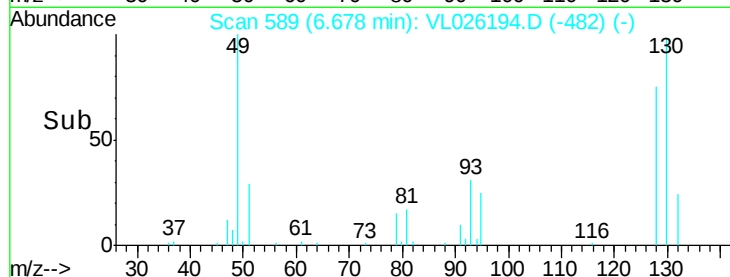
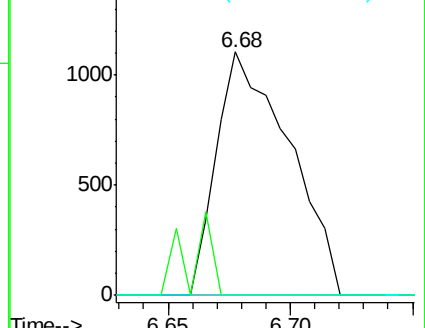
98 0.0 35.8 53.6#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.33 min Scan# 860

Delta R.T. -0.01 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

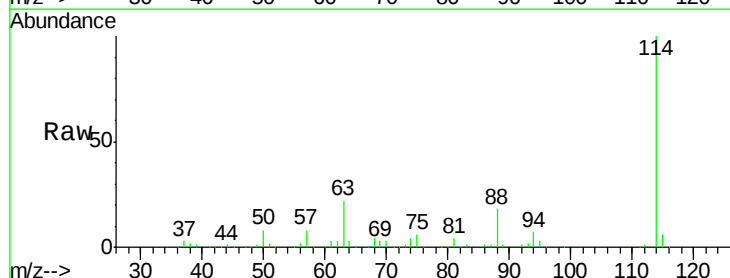
Tgt Ion: 114 Resp: 913571

Ion Ratio Lower Upper

114 100

63 22.0 19.0 28.6

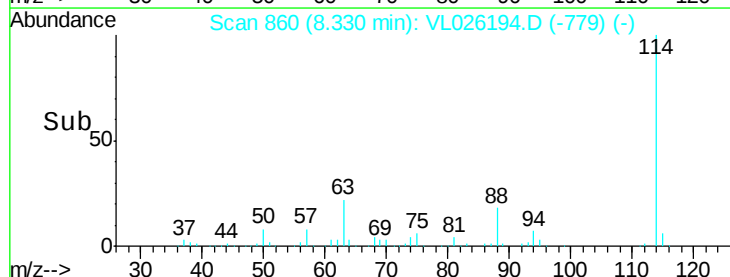
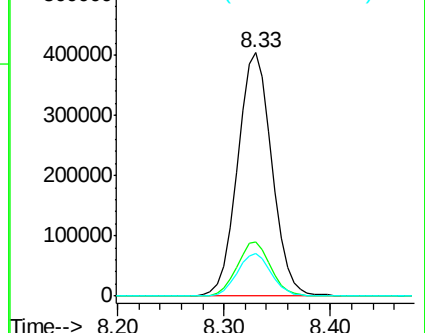
88 17.4 13.8 20.8

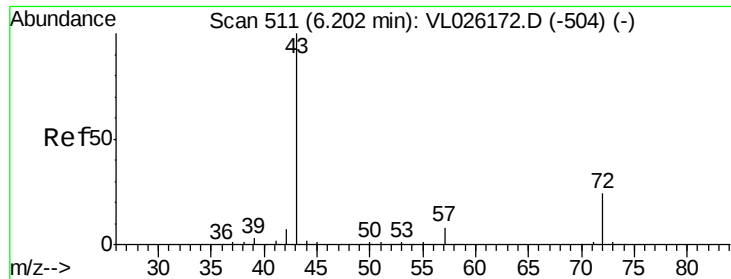


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

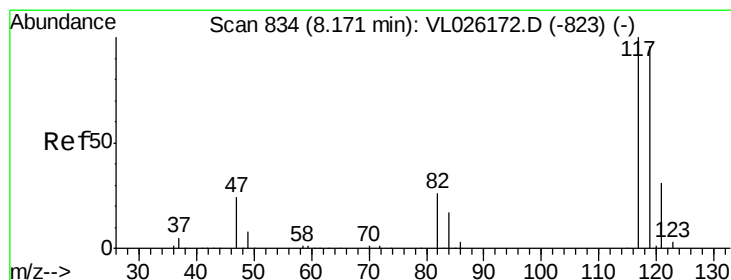
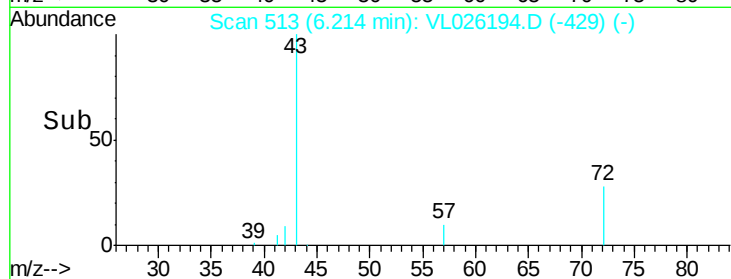
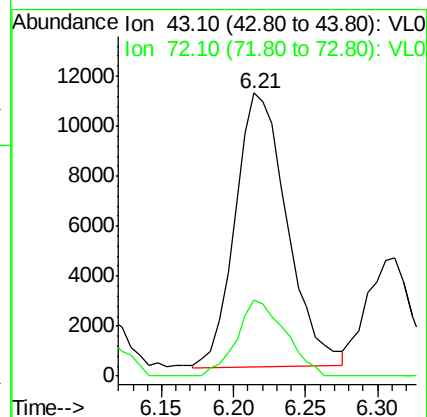
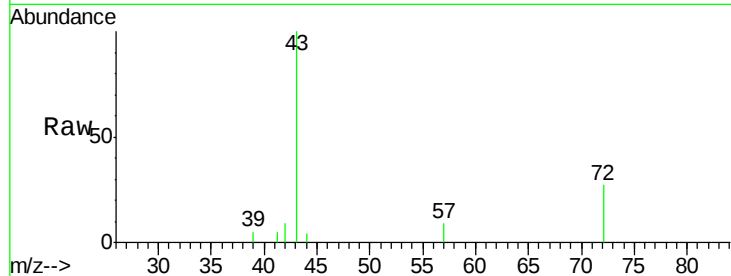




#34
2-Butanone
Concen: 0.54 ppbv
RT: 6.21 min Scan# 513
Delta R.T. 0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

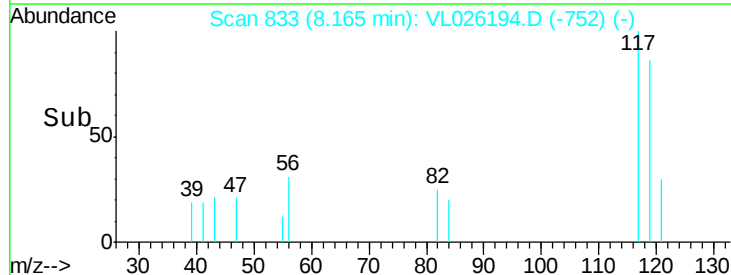
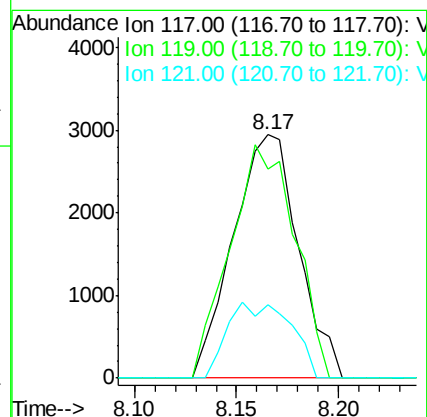
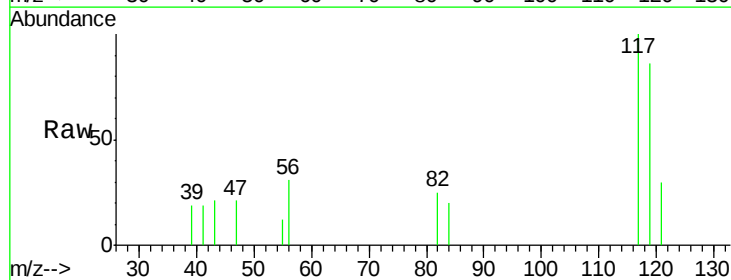
Instrument :
MSVOA_L
ClientSampleId :

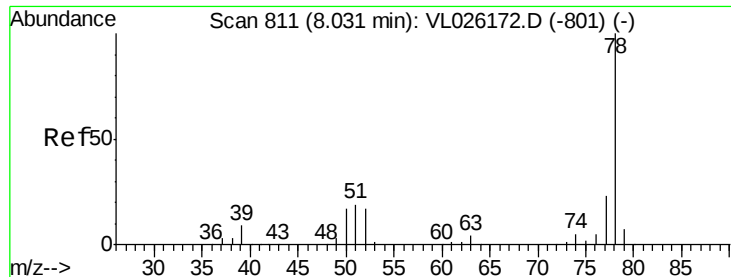
Tot Ion: 43 Resp: 27526
Ion Ratio Lower Upper
43 100
72 25.9 19.6 29.4



#35
Carbon Tetrachloride
Concen: 0.11 ppbv
RT: 8.17 min Scan# 833
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion: 117 Resp: 6547
Ion Ratio Lower Upper
117 100
119 85.8 76.6 115.0
121 30.1 25.0 37.4

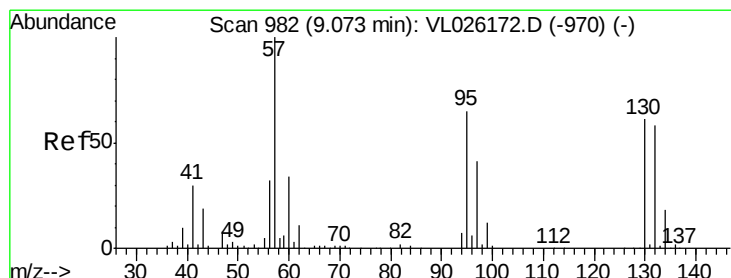
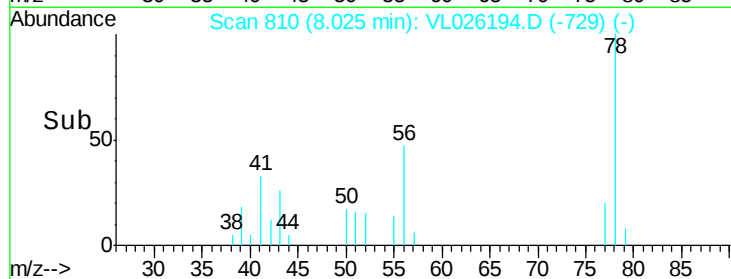
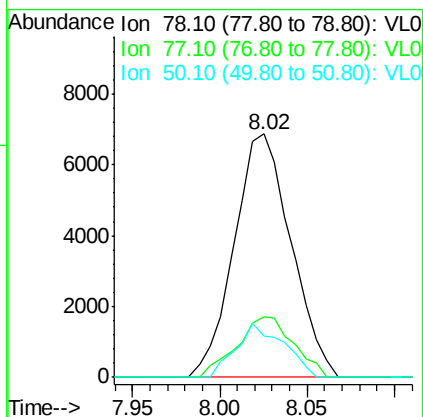
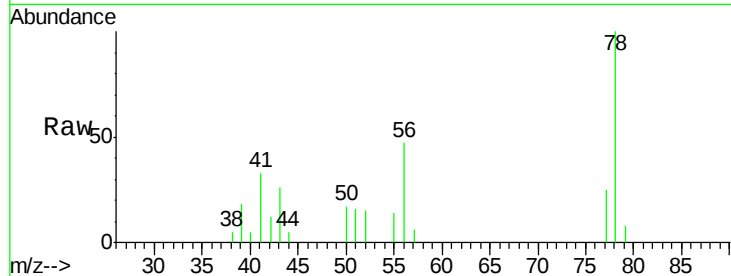




#36
Benzene
Concen: 0.18 ppbv
RT: 8.02 min Scan# 810
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

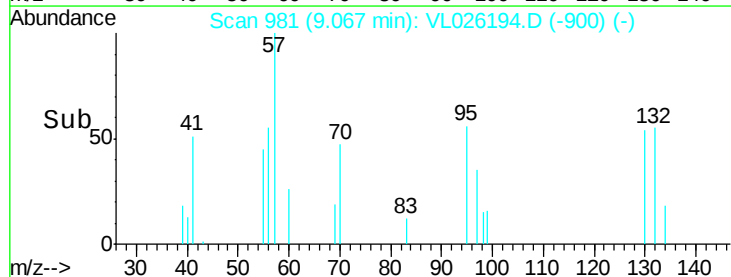
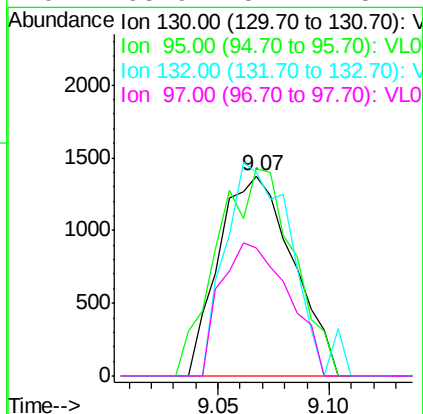
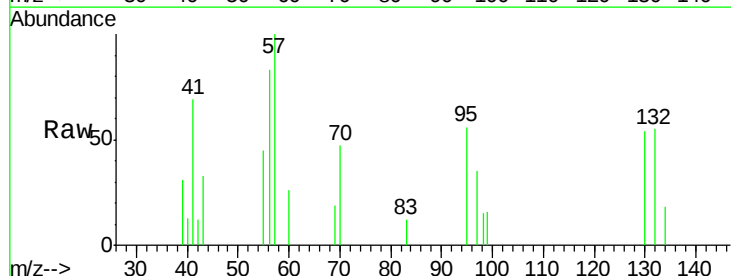
Instrument :
MSVOA_L
ClientSampleId :

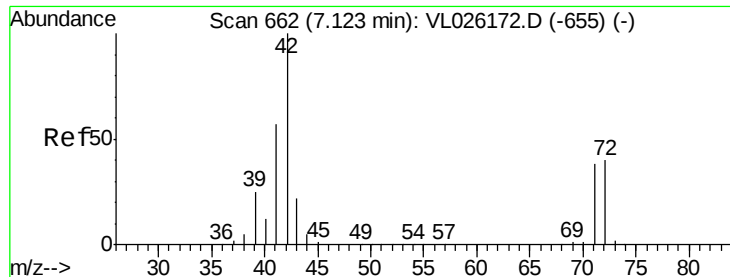
Tot Ion: 78 Resp: 15535
Ion Ratio Lower Upper
78 100
77 25.1 18.2 27.4
50 17.2 13.4 20.2



#38
Trichloroethene
Concen: 0.08 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion: 130 Resp: 3178
Ion Ratio Lower Upper
130 100
95 103.9 84.9 127.3
132 101.7 76.8 115.2
97 63.9 54.1 81.1





#41

Tetrahydrofuran

Concen: 0.12 ppbv

RT: 7.15 min Scan# 666

Delta R.T. 0.02 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Instrument :

MSVOA_L

ClientSampleId :

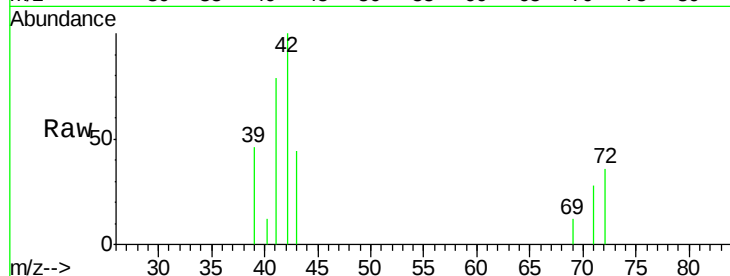
Tot Ion: 42 Resp: 3445

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

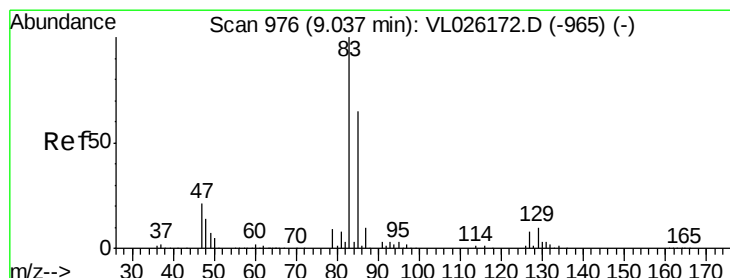
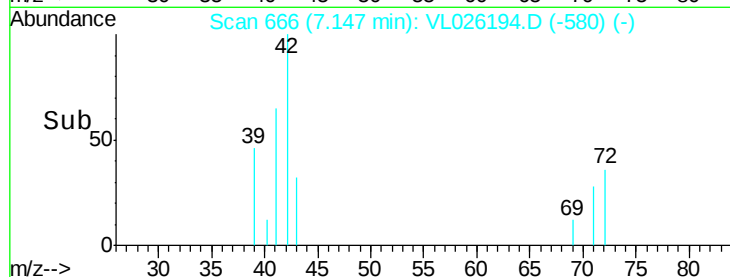
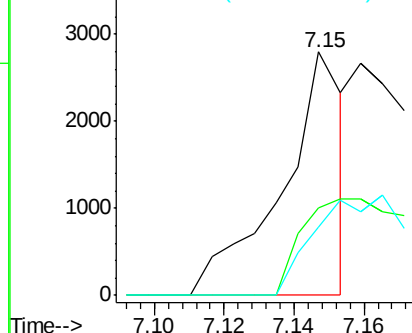
71 0.0 30.2 45.4#



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



#42

Bromodichloromethane

Concen: 0.05 ppbv

RT: 9.02 min Scan# 973

Delta R.T. -0.02 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

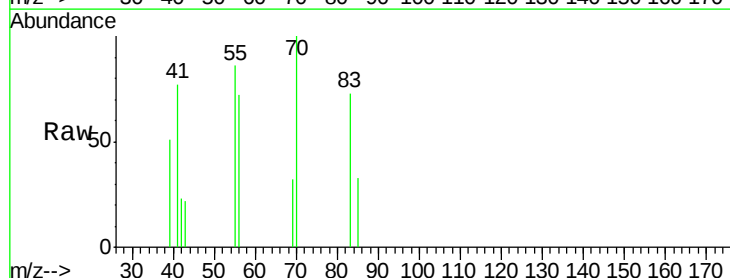
Tgt Ion: 83 Resp: 3215

Ion Ratio Lower Upper

83 100

85 44.8 51.9 77.9#

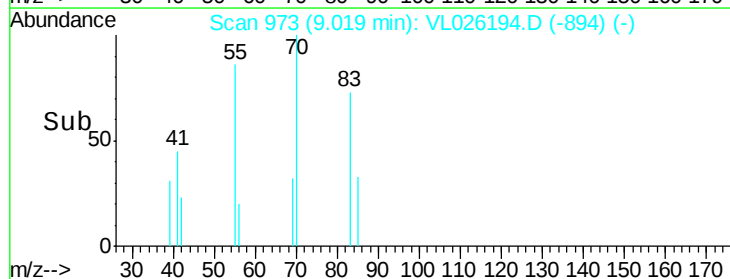
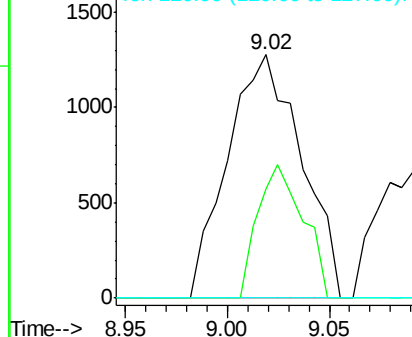
127 0.0 6.2 9.4#

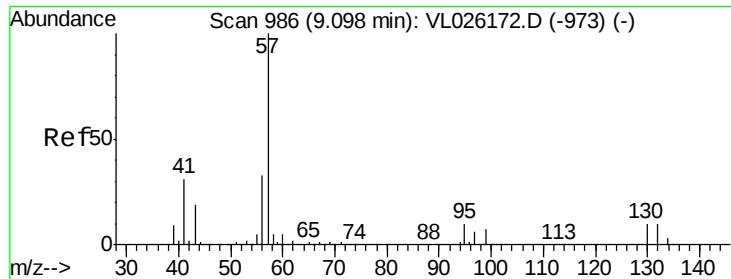


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

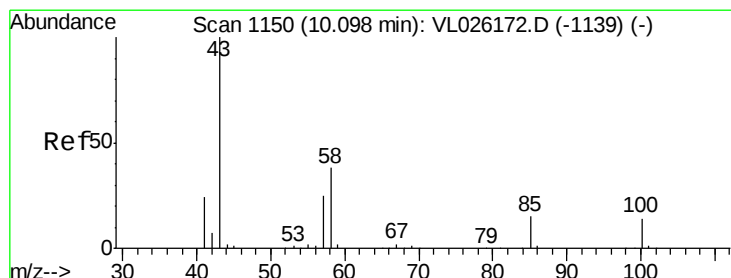
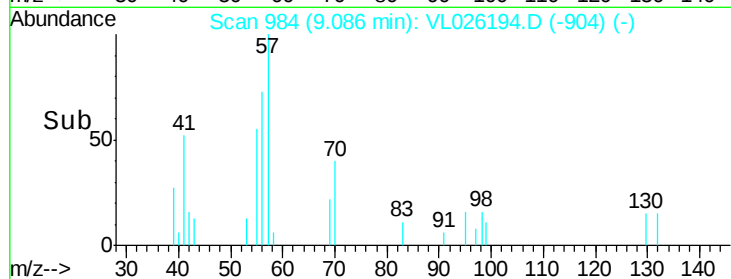
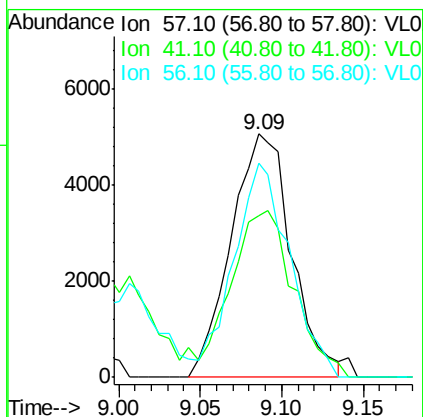
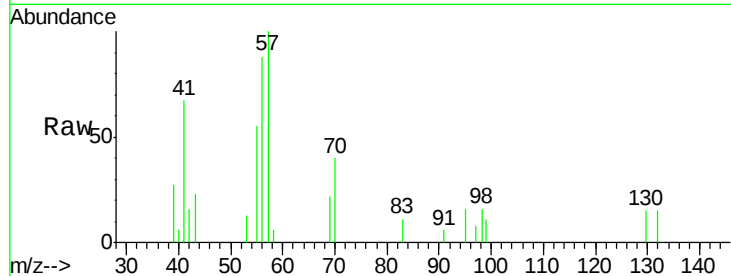




#44
 2,2,4-Trimethylpentane
 Concen: 0.09 ppbv
 RT: 9.09 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

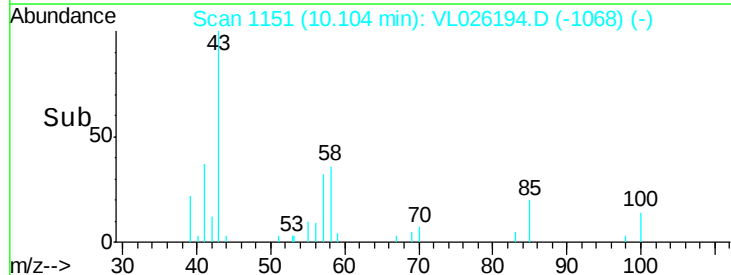
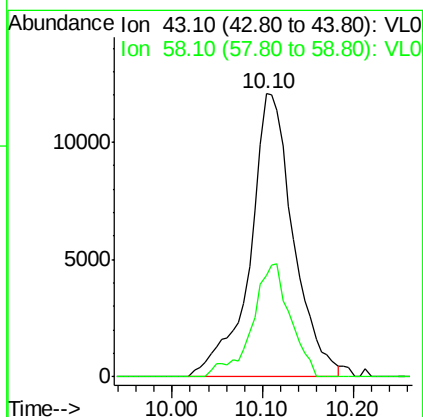
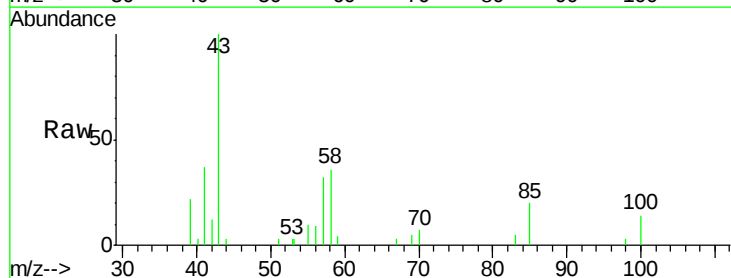
Instrument :
 MSVOA_L
 ClientSampled :

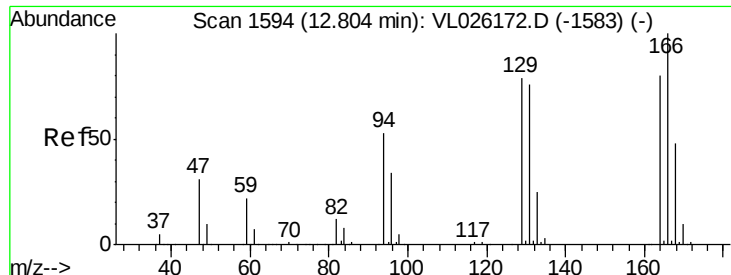
Tot Ion: 57 Resp: 13074
 Ion Ratio Lower Upper
 57 100
 41 70.9 23.7 35.5#
 56 80.8 26.4 39.6#



#50
 4-Methyl-2-Pentanone
 Concen: 0.59 ppbv
 RT: 10.10 min Scan# 1151
 Delta R.T. 0.01 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Tgt Ion: 43 Resp: 39927
 Ion Ratio Lower Upper
 43 100
 58 35.1 30.4 45.6





#52

Tetrachloroethene

Concen: 0.87 ppbv

RT: 12.79 min Scan# 1592

Delta R.T. -0.01 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 37501

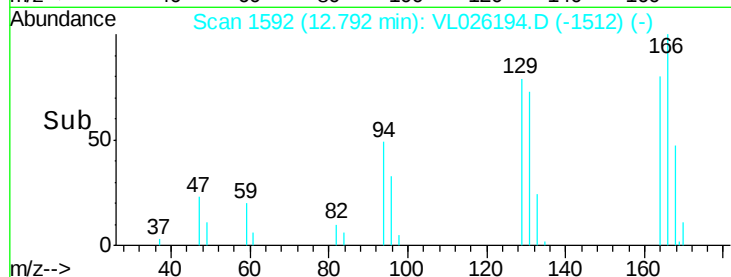
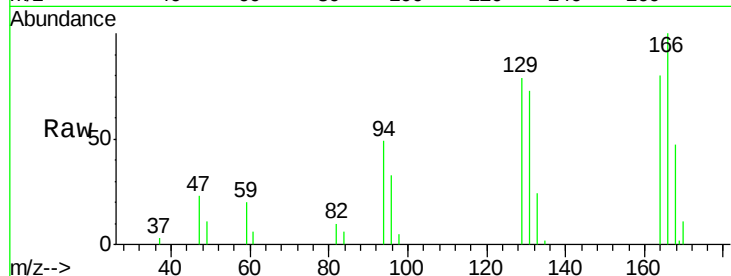
Ion Ratio Lower Upper

164 100

166 125.5 99.9 149.9

129 98.5 79.1 118.7

131 91.5 76.3 114.5

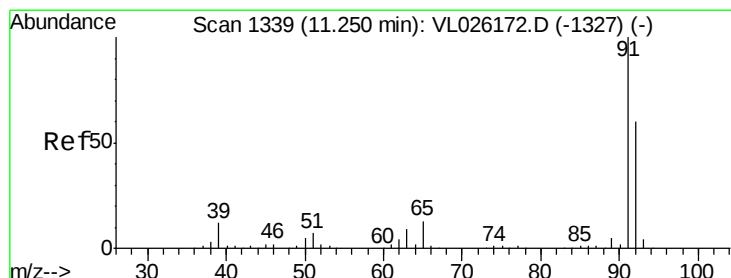
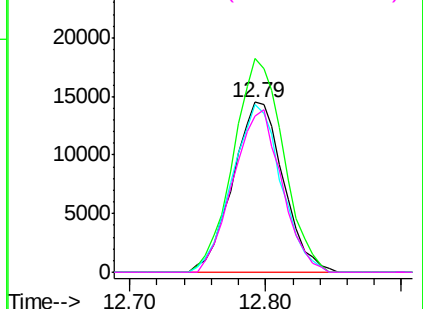


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.07 ppbv

RT: 11.24 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VL026194.D

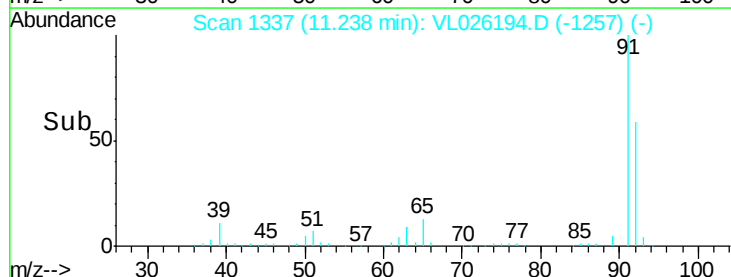
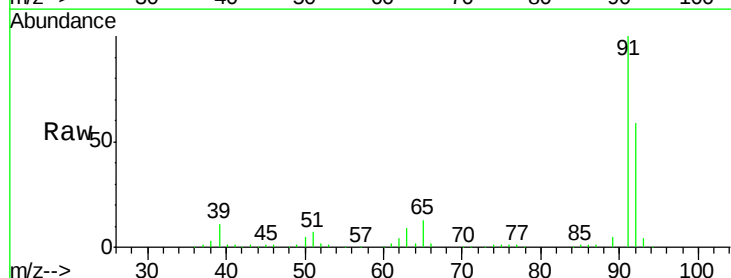
Acq: 10 Oct 2015 2:57

Tgt Ion: 91 Resp: 1133326

Ion Ratio Lower Upper

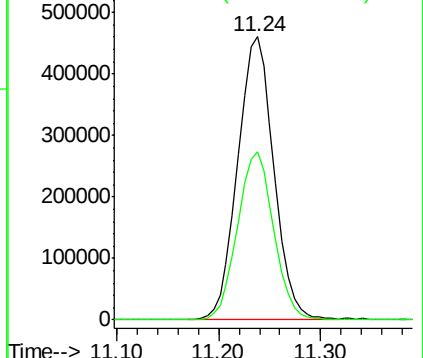
91 100

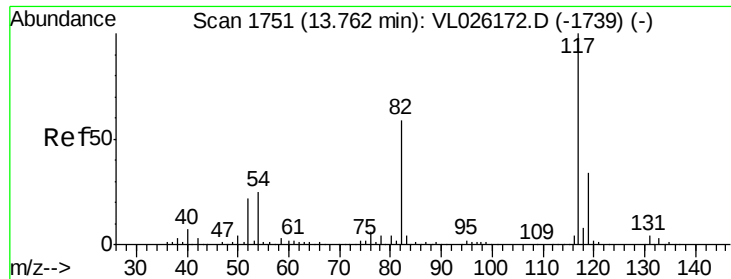
92 59.9 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

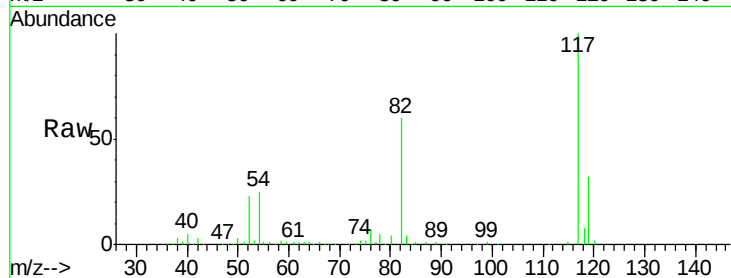




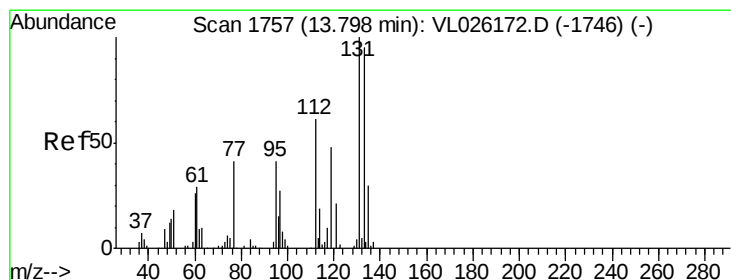
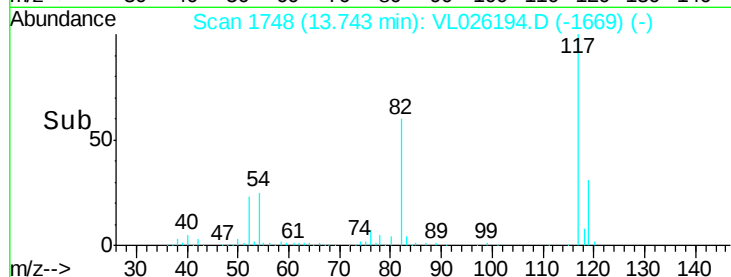
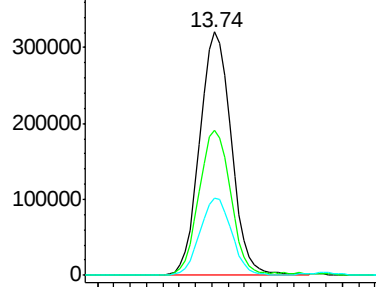
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.02 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 861353
Ion Ratio Lower Upper
117 100
82 61.5 47.7 71.5
119 31.8 43.7 65.5#

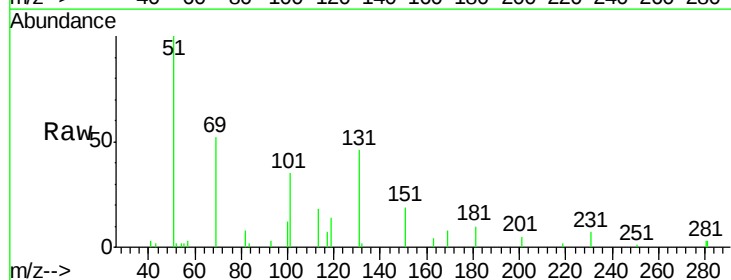


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

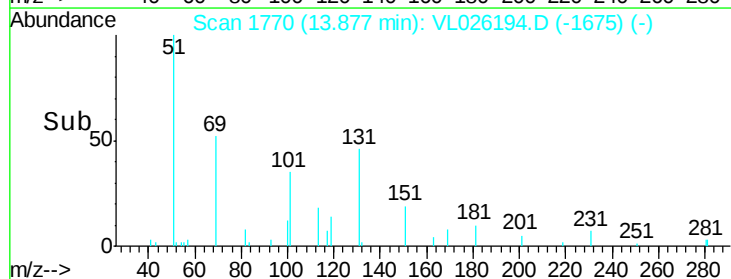
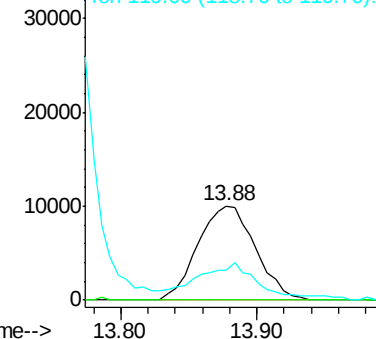


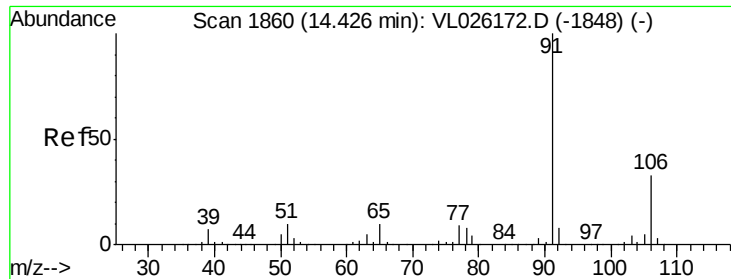
#56
1,1,1,2-Tetrachloroethane
Concen: 0.86 ppbv
RT: 13.88 min Scan# 1770
Delta R.T. 0.08 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion:131 Resp: 29517
Ion Ratio Lower Upper
131 100
133 0.0 76.5 114.7#
119 44.3 116.0 174.0#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#58

Ethyl Benzene

Concen: 0.47 ppbv

RT: 14.41 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Instrument :

MSVOA_L

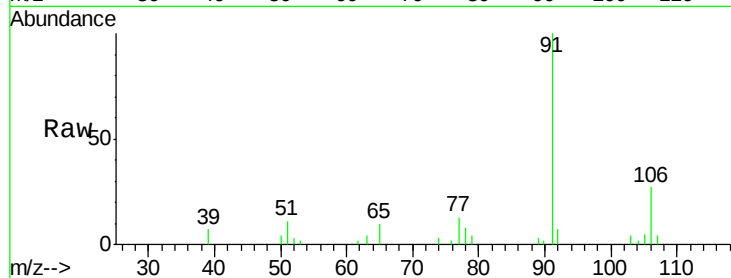
ClientSampleId :

Tot Ion: 91 Resp: 59091

Ion Ratio Lower Upper

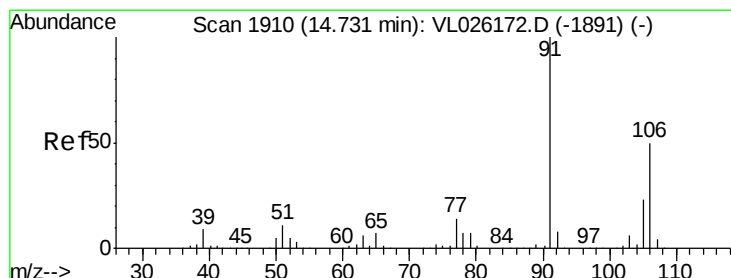
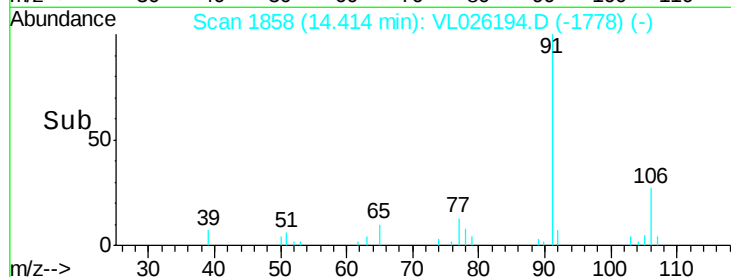
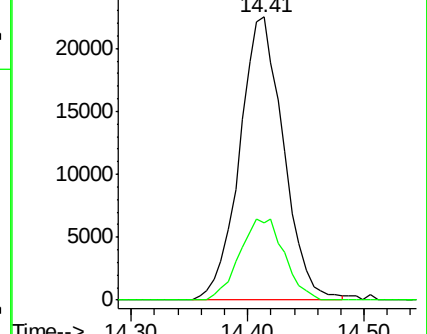
91 100

106 27.4 26.1 39.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 1.60 ppbv

RT: 14.69 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VL026194.D

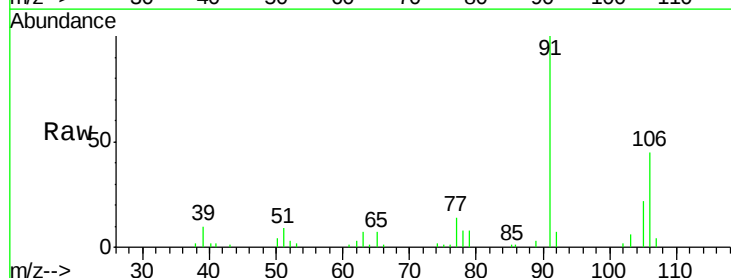
Acq: 10 Oct 2015 2:57

Tgt Ion: 91 Resp: 160303

Ion Ratio Lower Upper

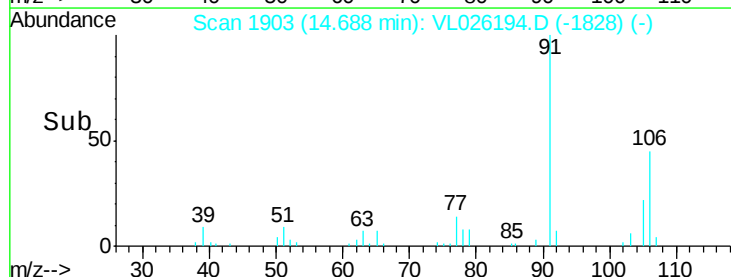
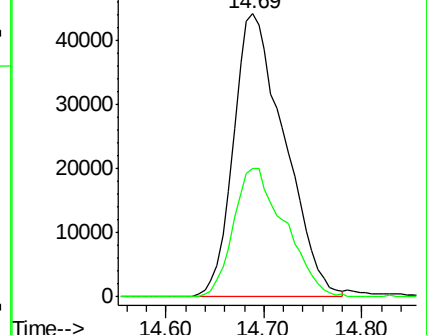
91 100

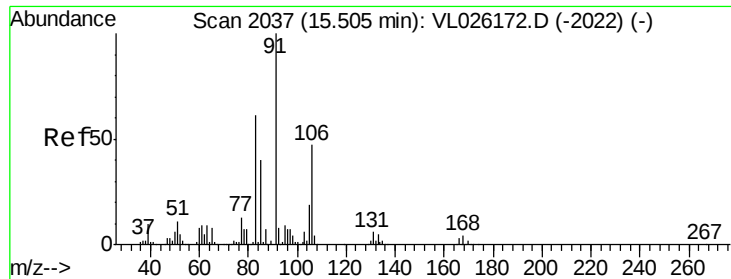
106 45.8 40.2 60.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

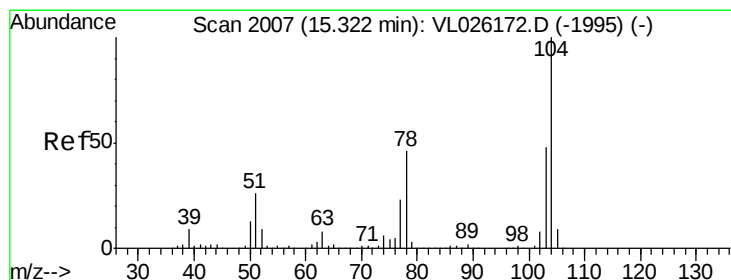
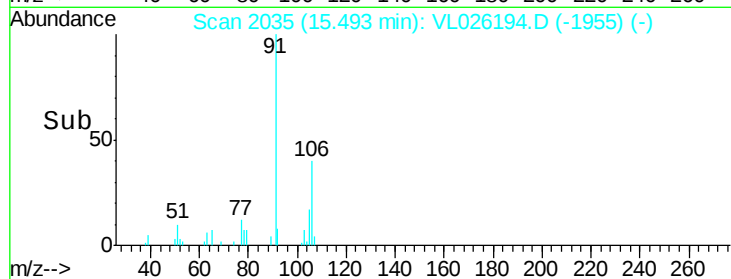
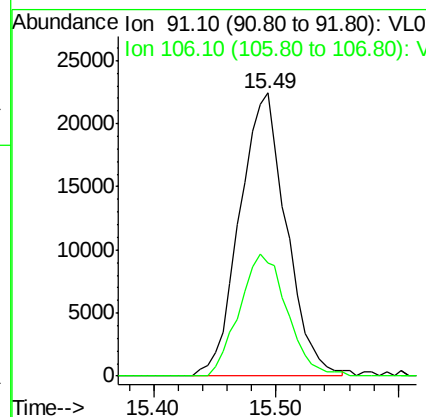
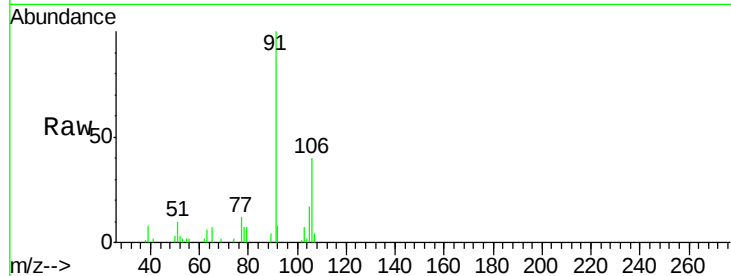




#60
o-Xylene
Concen: 0.57 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

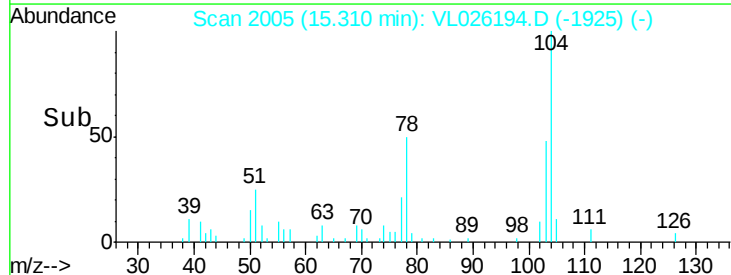
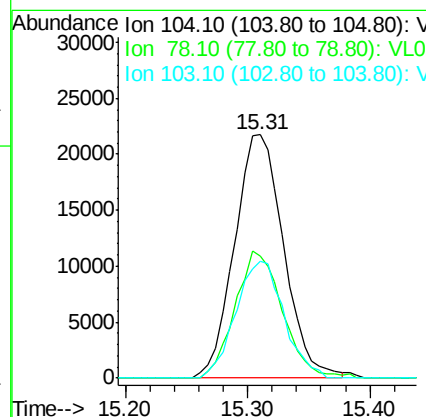
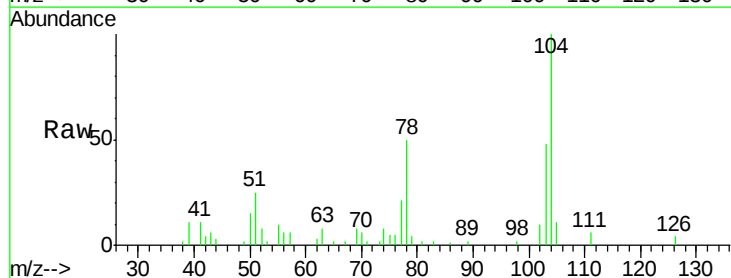
Instrument :
MSVOA_L
ClientSampled :

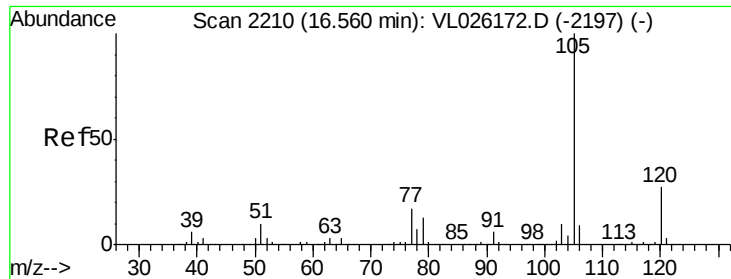
Tot Ion: 91 Resp: 59580
Ion Ratio Lower Upper
91 100
106 44.0 23.4 70.3



#61
Styrene
Concen: 1.41 ppbv
RT: 15.31 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion:104 Resp: 60674
Ion Ratio Lower Upper
104 100
78 50.5 36.1 54.1
103 47.1 37.5 56.3





#62

Isopropylbenzene

Concen: 0.06 ppbv

RT: 16.54 min Scan# 2207

Delta R.T. -0.02 min

Lab File: VL026194.D

Acq: 10 Oct 2015 2:57

Instrument :

MSVOA_L

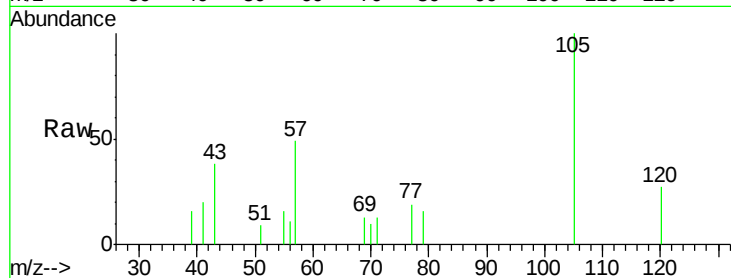
ClientSampleId :

Tot Ion:105 Resp: 8377

Ion Ratio Lower Upper

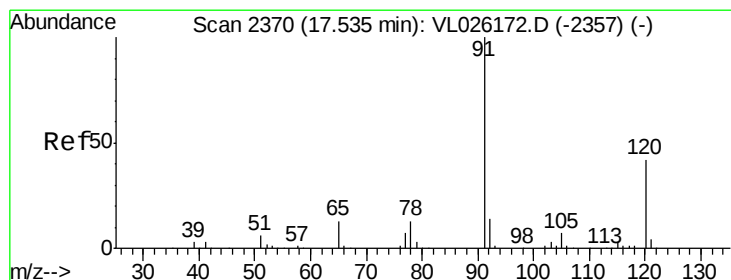
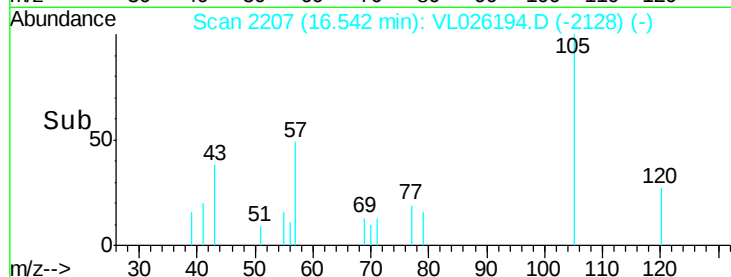
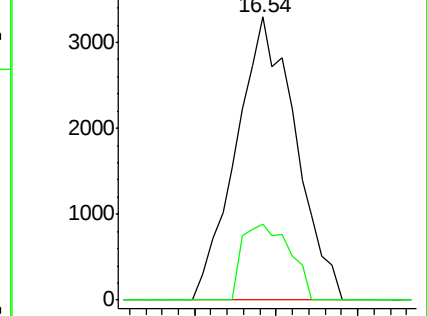
105 100

120 21.3 21.8 32.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.17 ppbv

RT: 17.52 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VL026194.D

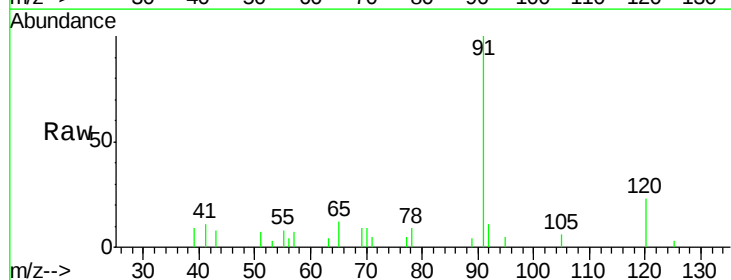
Acq: 10 Oct 2015 2:57

Tgt Ion:120 Resp: 6183

Ion Ratio Lower Upper

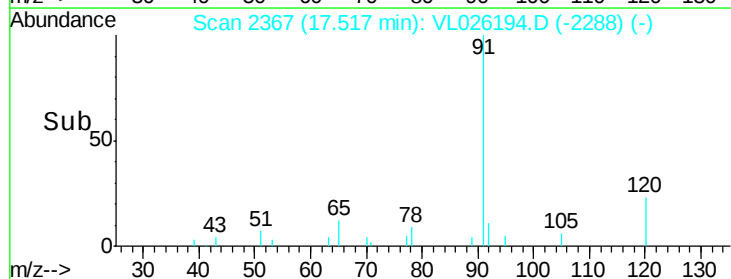
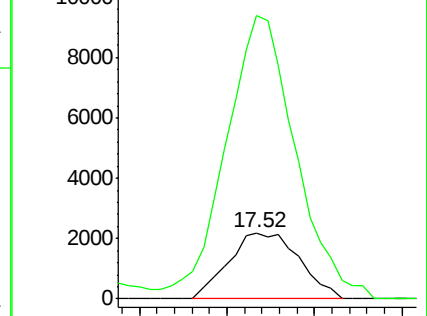
120 100

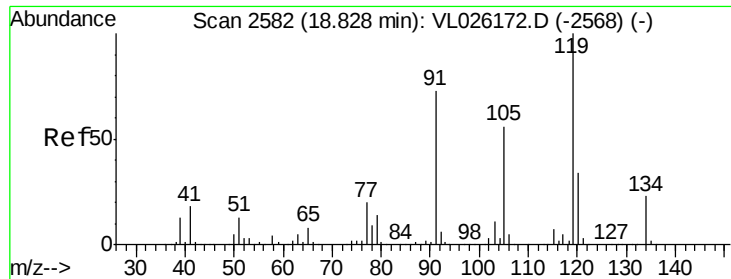
91 451.3 353.4 530.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

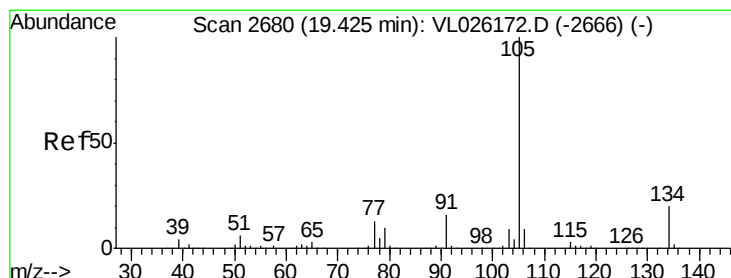
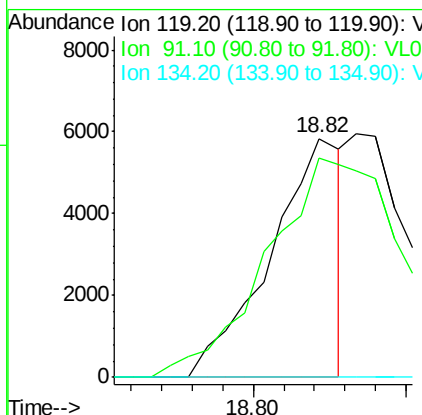
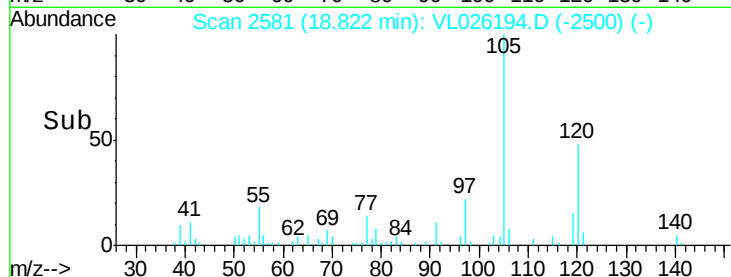
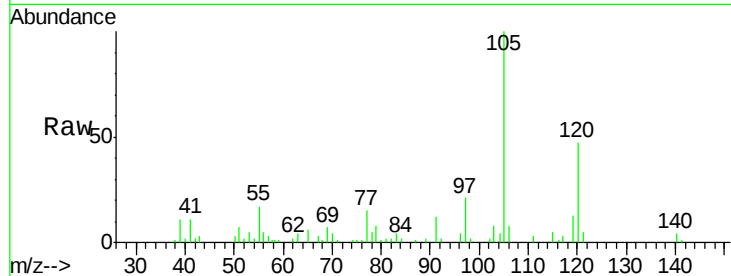




#65
tert-Butylbenzene
Concen: 0.08 ppbv
RT: 18.82 min Scan# 2581
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

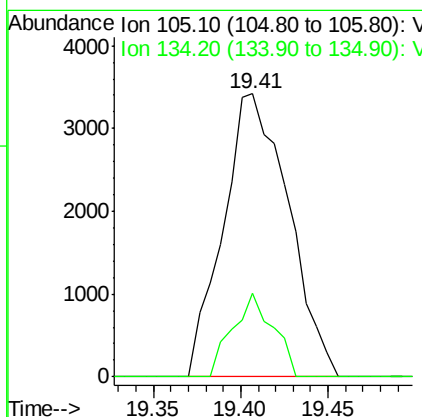
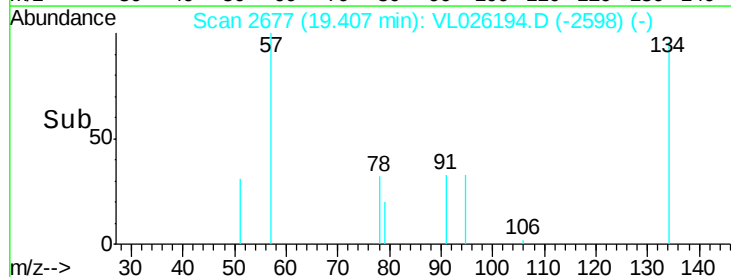
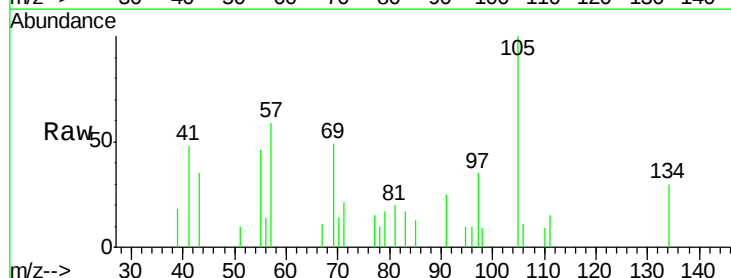
Instrument :
MSVOA_L
ClientSampleId :

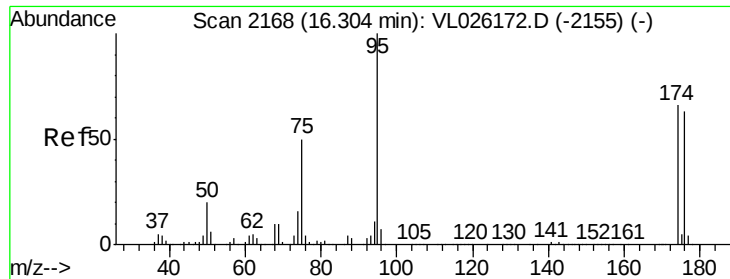
Tot Ion:119 Resp: 9546
Ion Ratio Lower Upper
119 100
91 173.7 58.5 87.7#
134 0.0 18.0 27.0#



#67
sec-Butylbenzene
Concen: 0.05 ppbv
RT: 19.41 min Scan# 2677
Delta R.T. -0.02 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion:105 Resp: 8875
Ion Ratio Lower Upper
105 100
134 18.2 15.9 23.9

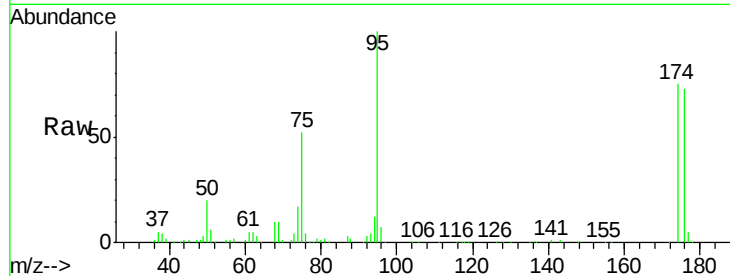




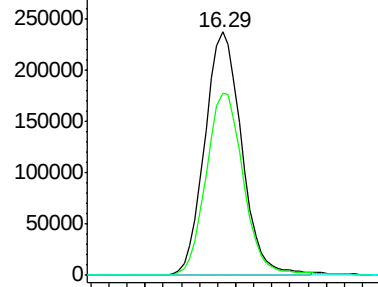
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.17 ppbv
 RT: 16.29 min Scan# 2165
 Delta R.T. -0.02 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Instrument :
 MSVOA_L
 ClientSampleId :

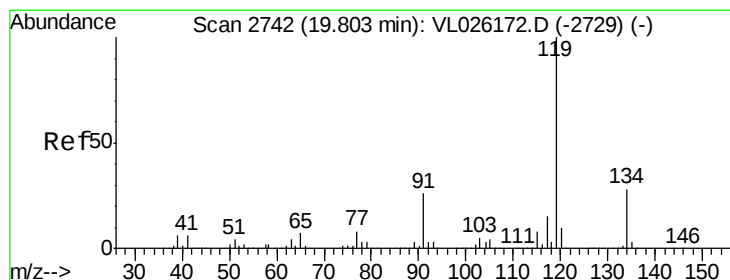
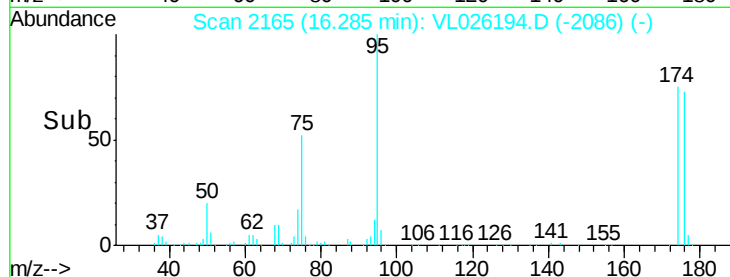
Tot Ion: 95 Resp: 672258
 Ion Ratio Lower Upper
 95 100
 174 76.3 52.2 78.4
 175 0.1 3.9 5.9#



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

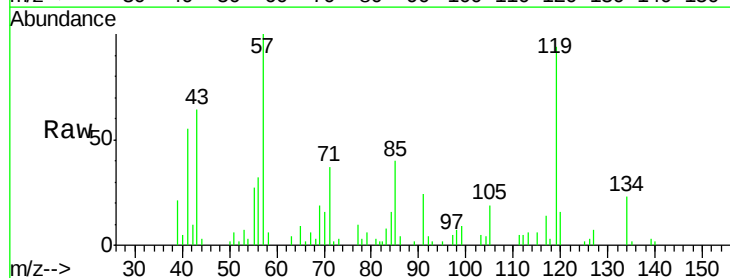


Time-->

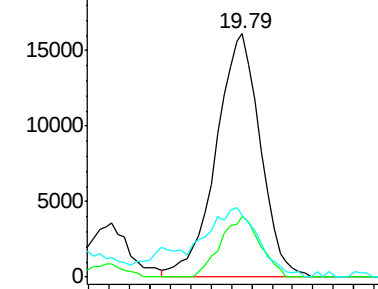


#69
 p-Isopropyltoluene
 Concen: 0.36 ppbv
 RT: 19.79 min Scan# 2740
 Delta R.T. -0.01 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

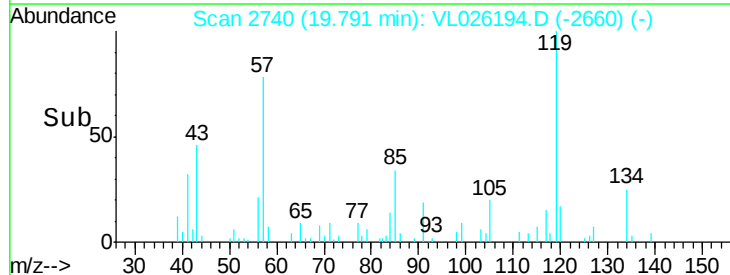
Tgt Ion: 119 Resp: 48664
 Ion Ratio Lower Upper
 119 100
 134 22.1 21.4 32.0
 91 44.2 19.9 29.9#

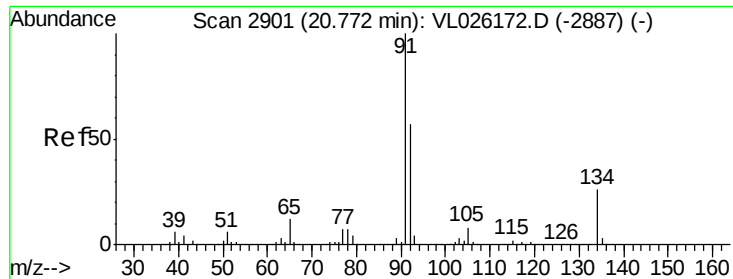


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0



Time-->

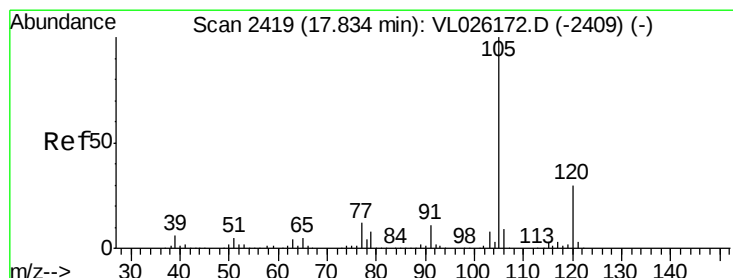
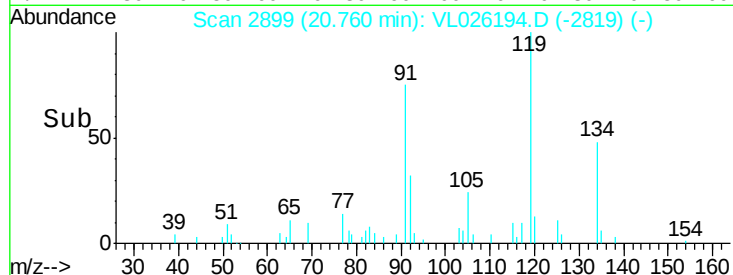
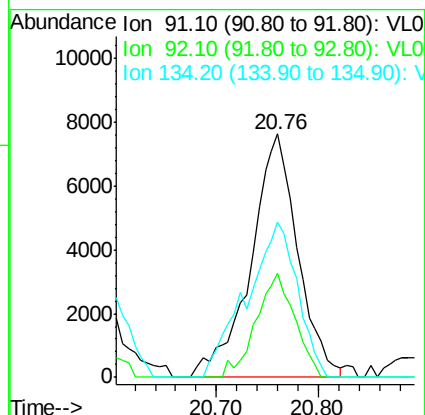
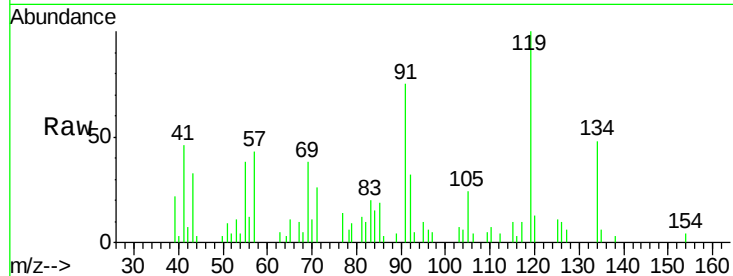




#70
n-Butylbenzene
Concen: 0.19 ppbv
RT: 20.76 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

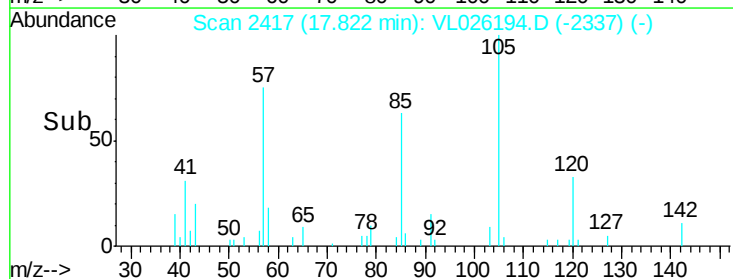
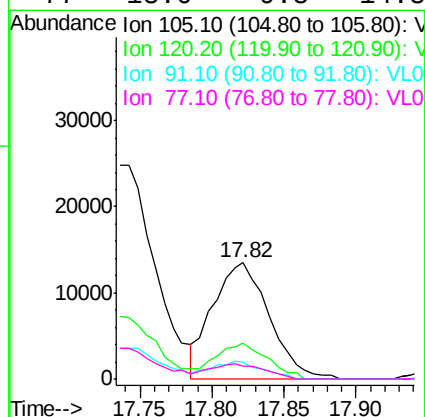
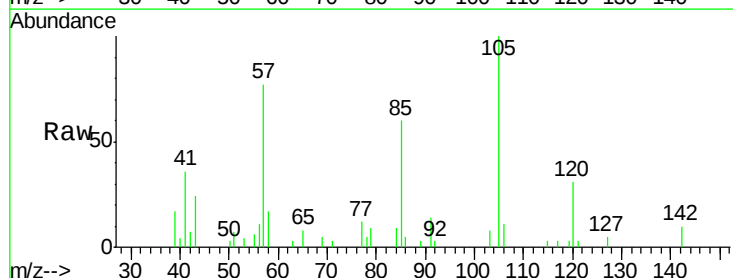
Instrument :
MSVOA_L
ClientSampleId :

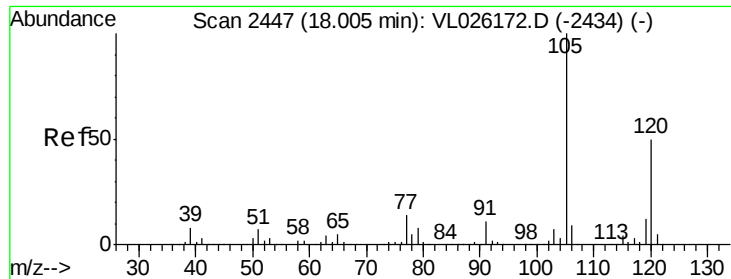
Tot Ion: 91 Resp: 24424
Ion Ratio Lower Upper
91 100
92 35.0 45.0 67.6#
134 69.1 19.8 29.8#



#72
4-Ethyltoluene
Concen: 0.33 ppbv
RT: 17.82 min Scan# 2417
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion: 105 Resp: 36895
Ion Ratio Lower Upper
105 100
120 28.8 24.7 37.1
91 13.8 9.2 13.8#
77 13.0 9.8 14.8

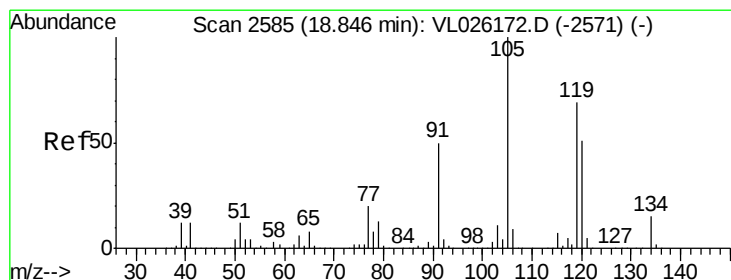
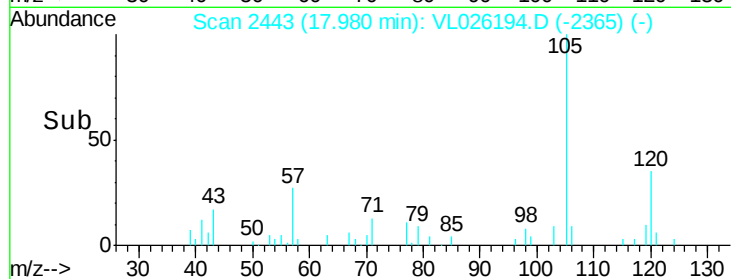
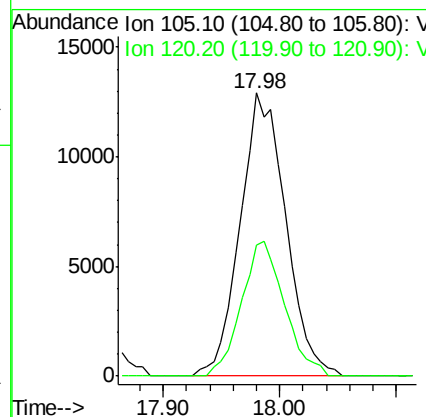
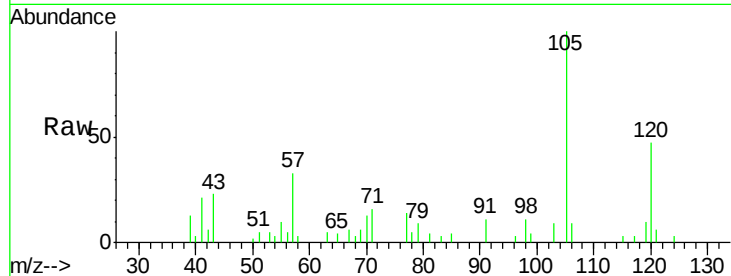




#73
 1,3,5-Trimethylbenzene
 Concen: 0.33 ppbv
 RT: 17.98 min Scan# 2443
 Delta R.T. -0.02 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

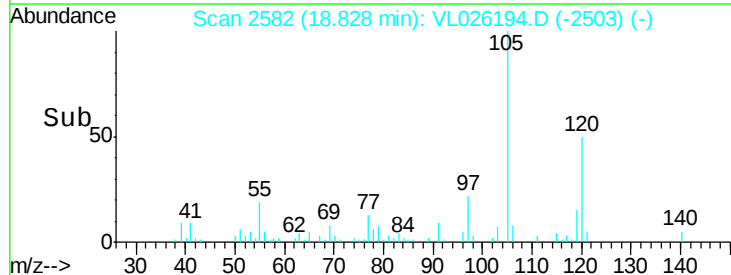
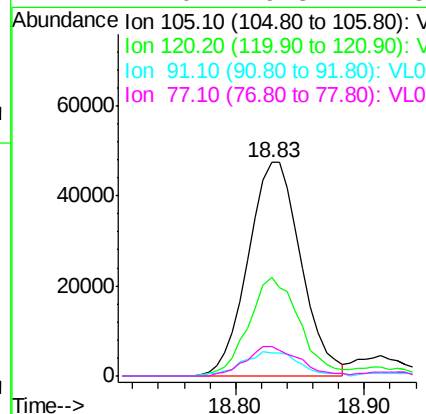
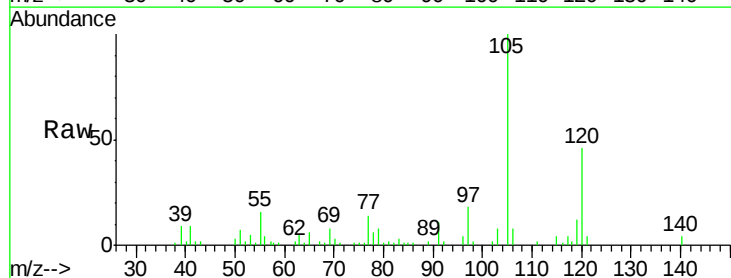
Instrument :
 MSVOA_L
 ClientSampled :

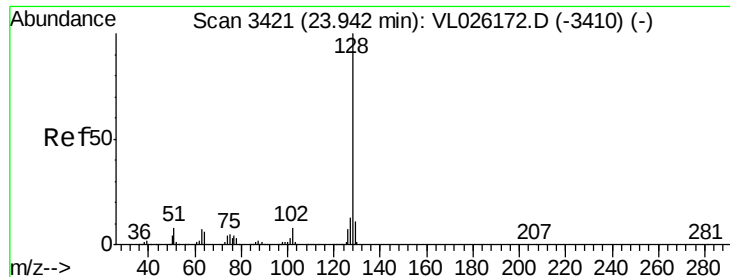
Tot Ion:105 Resp: 35259
 Ion Ratio Lower Upper
 105 100
 120 46.5 40.1 60.1



#74
 1,2,4-Trimethylbenzene
 Concen: 1.22 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. -0.02 min
 Lab File: VL026194.D
 Acq: 10 Oct 2015 2:57

Tgt Ion:105 Resp: 134983
 Ion Ratio Lower Upper
 105 100
 120 46.2 41.1 61.7
 91 11.0 39.8 59.6#
 77 14.0 16.3 24.5#

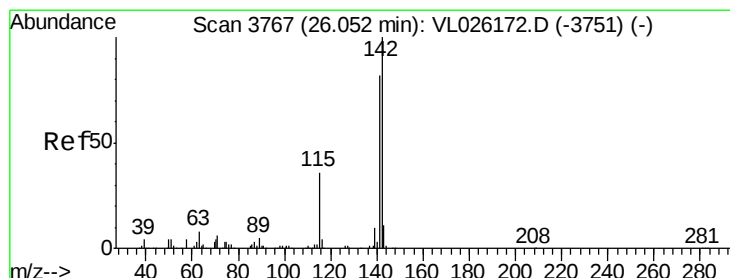
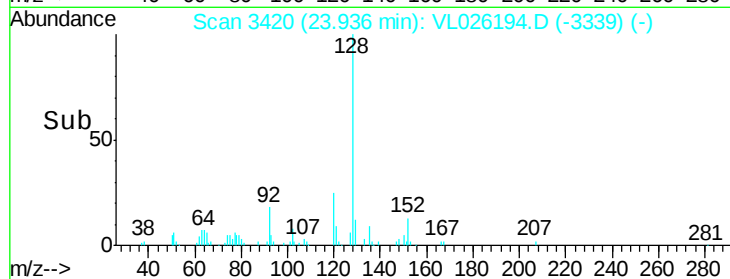
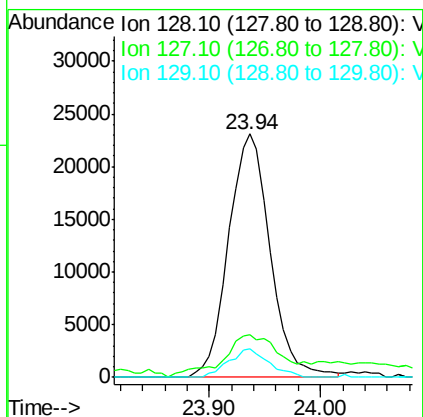
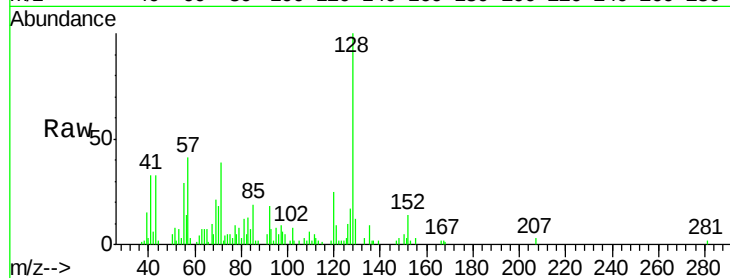




#79
Naphthalene
Concen: 0.86 ppbv
RT: 23.94 min Scan# 3420
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 59803
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.2
129 11.8 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 0.36 ppbv
RT: 26.04 min Scan# 3765
Delta R.T. -0.01 min
Lab File: VL026194.D
Acq: 10 Oct 2015 2:57

Tgt Ion:142 Resp: 5643
Ion Ratio Lower Upper
142 100
141 87.7 66.6 99.8
115 40.2 28.4 42.6

