

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025767.D
 Acq On : 28 Jul 2015 00:21
 Operator : SY/MD
 Sample : G3100-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Quant Time: Jul 28 01:04:25 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	785565	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	2092582	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2510130	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	2142021	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.64	85	57273	0.28	ppbv	99
3) Chlorodifluoromethane	3.54	51	1040677	9.40	ppbv #	55
4) Chloromethane	3.75	50	20316	0.40	ppbv	98
5) Vinyl Chloride	3.61	62	2060	0.04	ppbv #	51
9) Propene	3.59	41	103880	2.82	ppbv	88
10) Heptane	9.35	43	74973	0.52	ppbv	87
11) Trichlorofluoromethane	4.69	101	43953	0.17	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	5.29	101	7566	0.05	ppbv	99
13) Ethanol	4.32	45	1481312	259.03	ppbv	97
15) Acetone	4.59	43	1584833	11.42	ppbv	92
16) 1,3-Butadiene	3.95	39	158734	2.87	ppbv #	21
17) tert-Butyl alcohol	5.13	59	26210	0.23	ppbv #	92
19) Isopropyl Alcohol	4.75	45	4088144	73.80	ppbv #	98
20) Methylene Chloride	5.15	84	3163230	56.10	ppbv	96
21) Allyl Chloride	5.15	41	90794	1.05	ppbv #	23
23) Vinyl Acetate	5.98	43	112064	0.53	ppbv #	81
25) Ethyl Acetate	6.67	43	147036	0.70	ppbv #	69
26) Hexane	6.65	57	29554	0.30	ppbv #	1
27) Carbon Disulfide	5.39	76	101431	0.63	ppbv	98
29) Chloroform	6.74	83	464974	2.38	ppbv	99
30) Cyclohexane	8.28	84	40763	0.43	ppbv #	1
34) 2-Butanone	6.19	43	1327579	11.18	ppbv	100
35) Carbon Tetrachloride	8.17	117	14201	0.06	ppbv #	82
36) Benzene	8.02	78	48946	0.24	ppbv	97
37) 1,2-Dichloroethane	7.37	62	30305	0.18	ppbv	97
38) Trichloroethene	9.06	130	49966	0.54	ppbv	92
39) 1,2-Dichloropropane	8.82	63	3979	0.05	ppbv #	55
41) Tetrahydrofuran	7.13	42	21030	0.35	ppbv #	76
42) Bromodichloromethane	9.02	83	8599	0.04	ppbv #	73
43) Methyl Methacrylate	9.26	69	9906	0.13	ppbv #	87
44) 2,2,4-Trimethylpentane	9.09	57	102471	0.30	ppbv #	68
50) 4-Methyl-2-Pentanone	10.10	43	12875	0.08	ppbv	99
51) 2-Hexanone	11.62	43	125354	0.82	ppbv #	94
52) Tetrachloroethene	12.79	164	440321	4.38	ppbv	97
53) Toluene	11.23	91	3453288	12.26	ppbv	99
57) Chlorobenzene	13.83	112	10787	0.04	ppbv #	49
58) Ethyl Benzene	14.41	91	4107098	9.91	ppbv	99
59) m/p-Xylene	14.69	91	14935135	40.99	ppbv	95
60) o-Xylene	15.49	91	5592875	14.26	ppbv	98
61) Styrene	15.31	104	82005	0.60	ppbv	97
62) Isopropylbenzene	16.55	105	90890	0.18	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

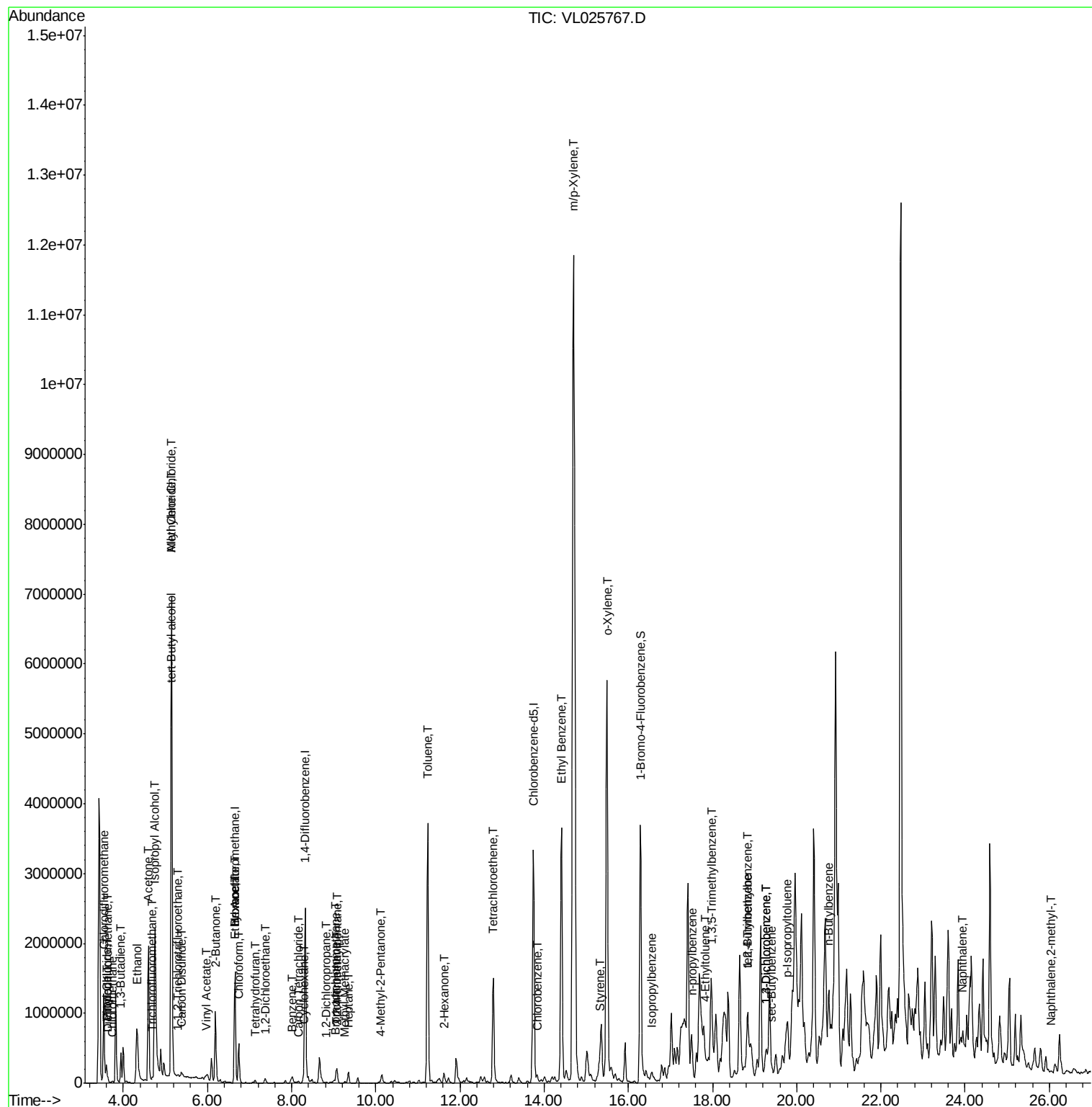
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	17.52	120	34253	0.25	ppbv	88
65) tert-Butylbenzene	18.82	119	66582	0.13	ppbv #	59
67) sec-Butylbenzene	19.41	105	42145	0.06	ppbv	100
69) p-Isopropyltoluene	19.78	119	103000	0.18	ppbv #	72
70) n-Butylbenzene	20.76	91	100695	0.17	ppbv #	57
72) 4-Ethyltoluene	17.82	105	193983	0.45	ppbv	97
73) 1,3,5-Trimethylbenzene	17.99	105	215574	0.51	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	564289	1.18	ppbv #	67
75) 1,3-Dichlorobenzene	19.27	146	123103	0.40	ppbv #	85
76) 1,4-Dichlorobenzene	19.27	146	123103	0.40	ppbv #	70
79) Naphthalene	23.92	128	84640	0.18	ppbv #	93
80) Naphthalene,2-methyl-	26.03	142	17515	0.13	ppbv #	78

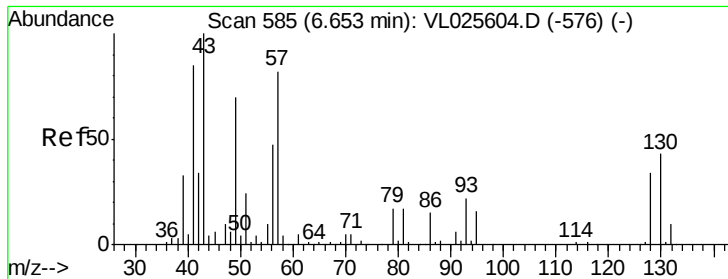
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

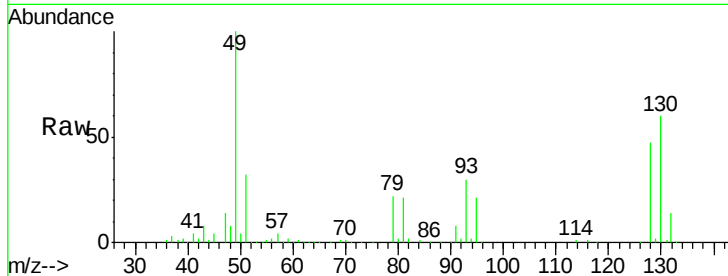
Tot Ion: 49 Resp: 785565

Ion Ratio Lower Upper

49 100

128 49.9 25.4 76.0

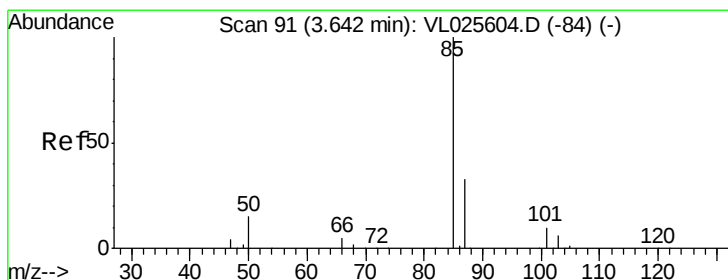
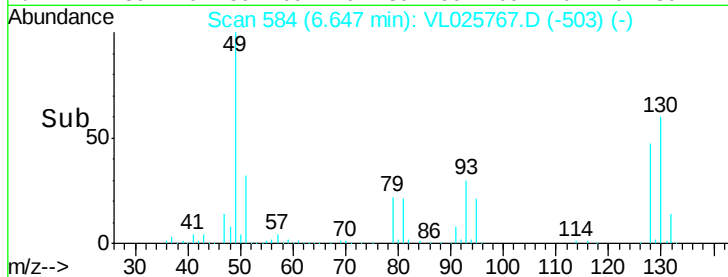
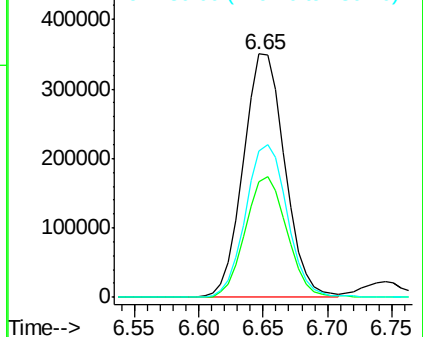
130 63.3 31.9 95.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.28 ppbv

RT: 3.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VL025767.D

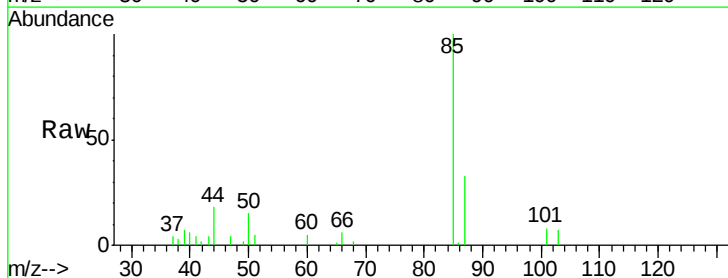
Acq: 28 Jul 2015 00:21

Tgt Ion: 85 Resp: 57273

Ion Ratio Lower Upper

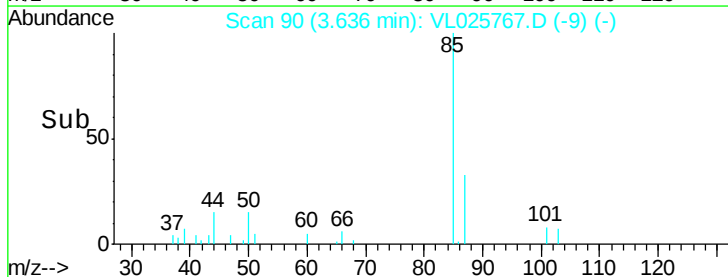
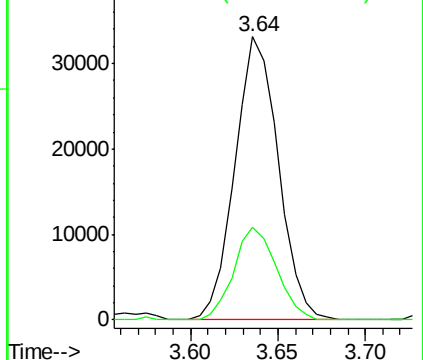
85 100

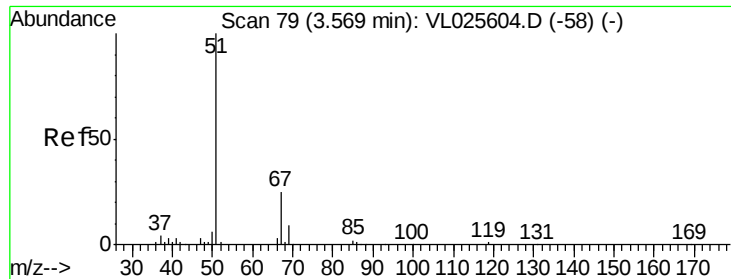
87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.40 ppbv

RT: 3.54 min Scan# 74

Delta R.T. -0.03 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

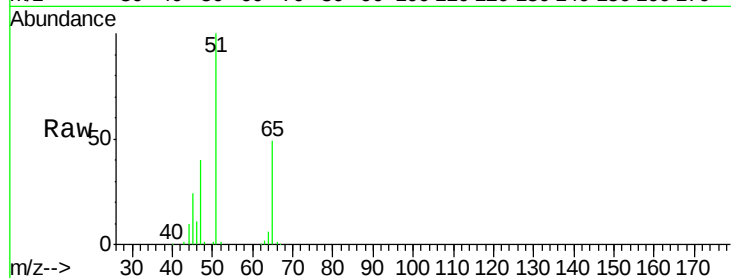
SV-1

Tot Ion: 51 Resp: 1040677

Ion Ratio Lower Upper

51 100

67 2.0 19.5 29.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.54

500000

400000

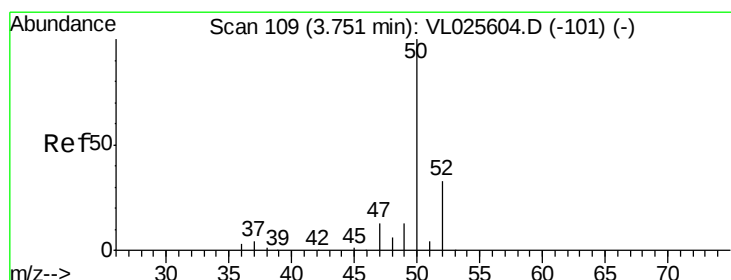
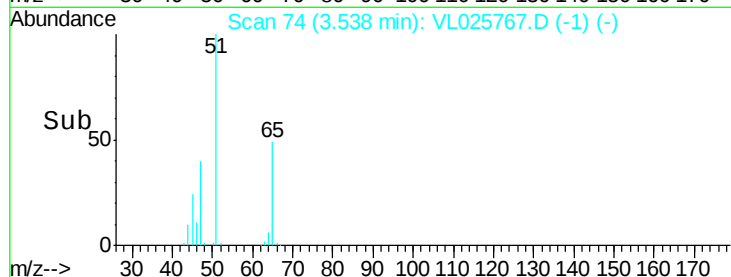
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.75 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL025767.D

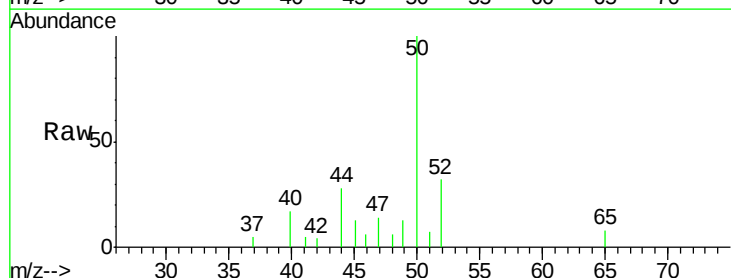
Acq: 28 Jul 2015 00:21

Tgt Ion: 50 Resp: 20316

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.75

12000

10000

8000

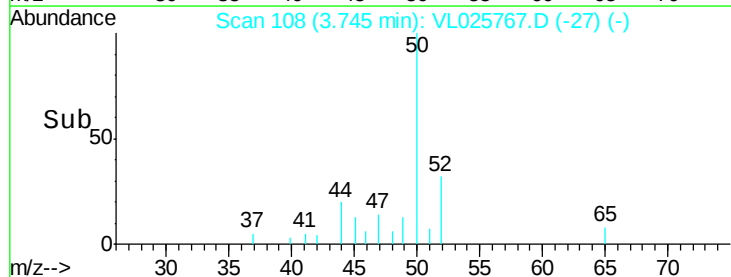
6000

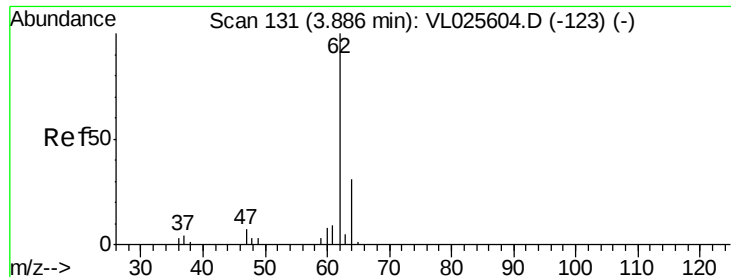
4000

2000

0

Time-->





#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.61 min Scan# 86

Delta R.T. -0.27 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

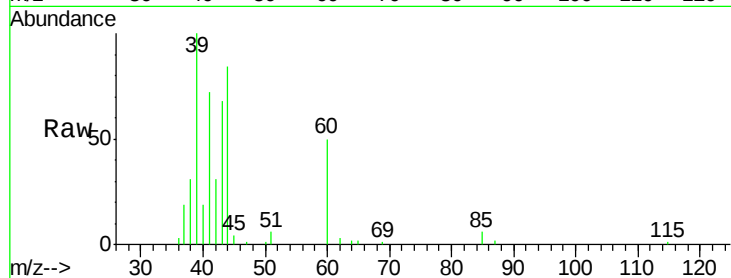
SV-1

Tot Ion: 62 Resp: 2060

Ion Ratio Lower Upper

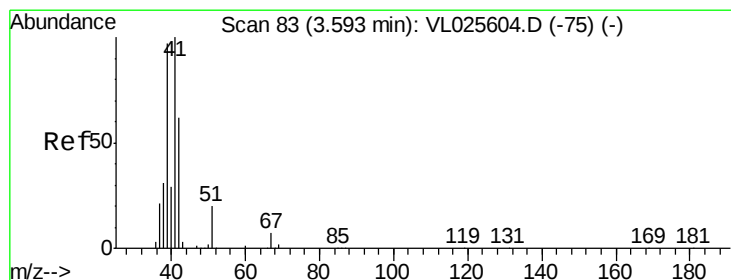
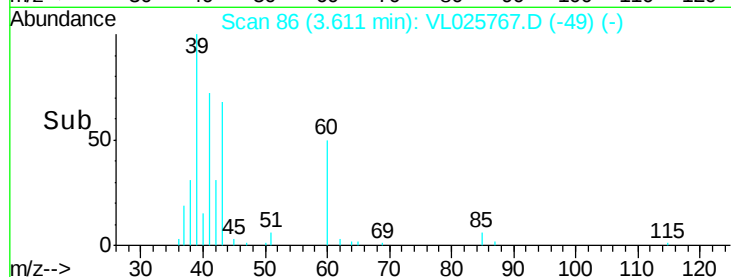
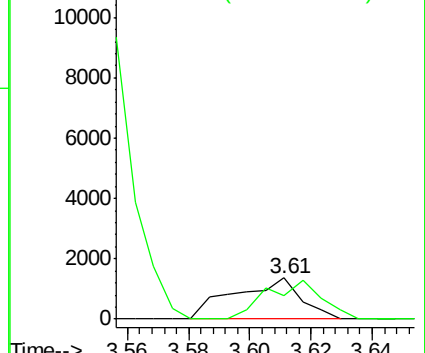
62 100

64 58.1 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 2.82 ppbv

RT: 3.59 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL025767.D

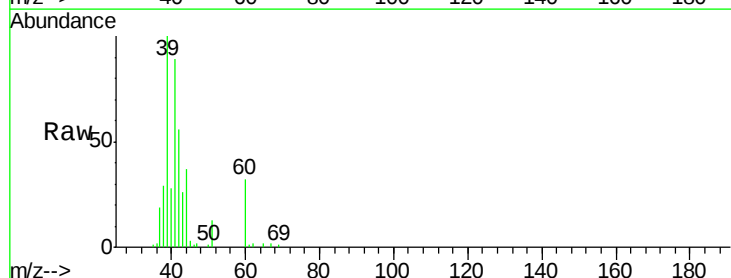
Acq: 28 Jul 2015 00:21

Tgt Ion: 41 Resp: 103880

Ion Ratio Lower Upper

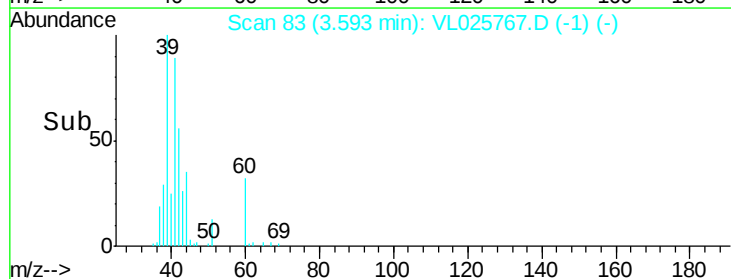
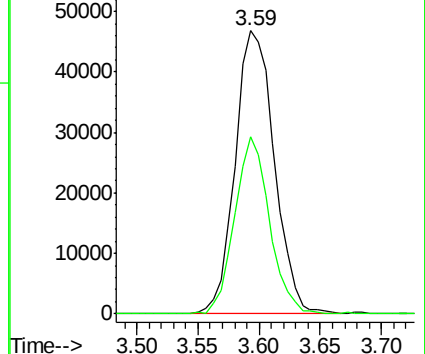
41 100

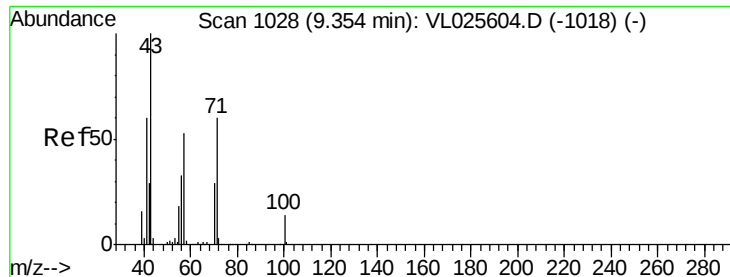
42 55.7 52.4 78.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.52 ppbv

RT: 9.35 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

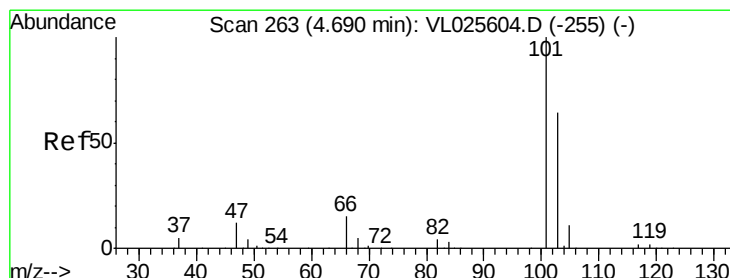
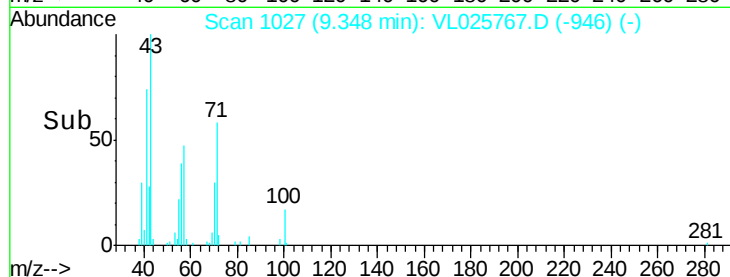
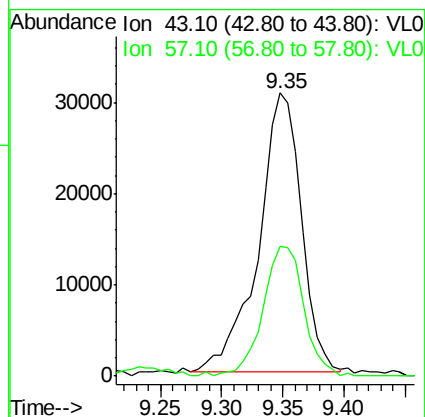
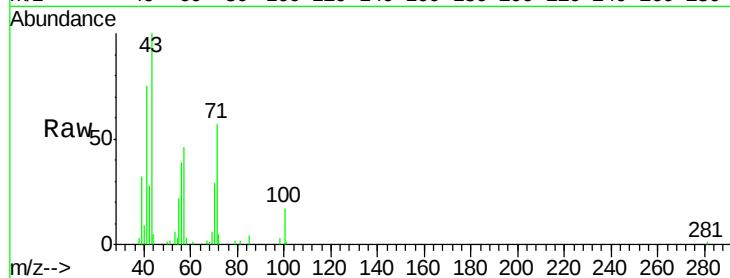
SV-1

Tot Ion: 43 Resp: 74973

Ion Ratio Lower Upper

43 100

57 44.0 42.6 64.0



#11

Trichlorofluoromethane

Concen: 0.17 ppbv

RT: 4.69 min Scan# 263

Delta R.T. -0.00 min

Lab File: VL025767.D

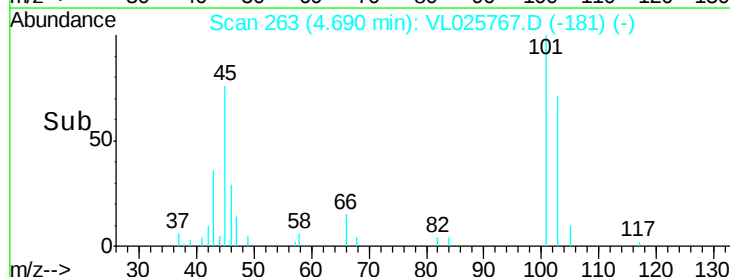
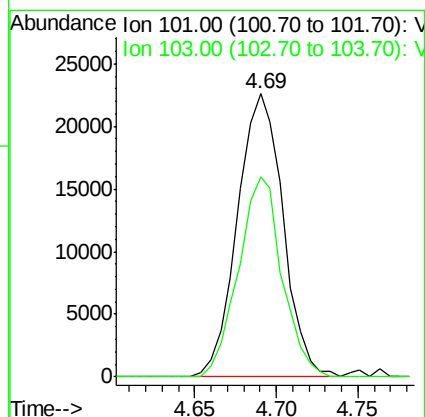
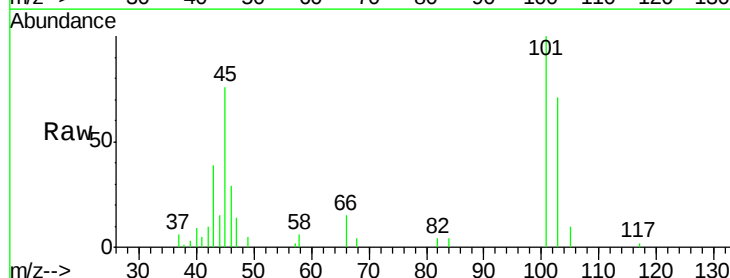
Acq: 28 Jul 2015 00:21

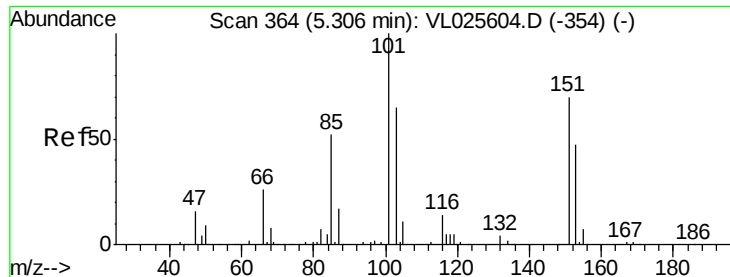
Tgt Ion: 101 Resp: 43953

Ion Ratio Lower Upper

101 100

103 70.8 51.4 77.2





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.05 ppbv

RT: 5.29 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampled :

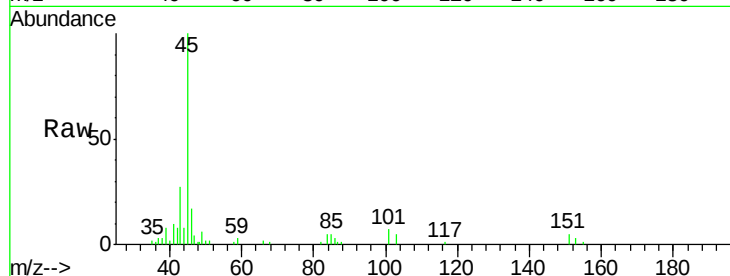
SV-1

Tot Ion:101 Resp: 7566

Ion Ratio Lower Upper

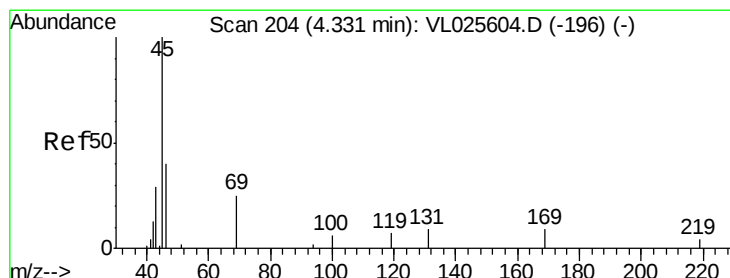
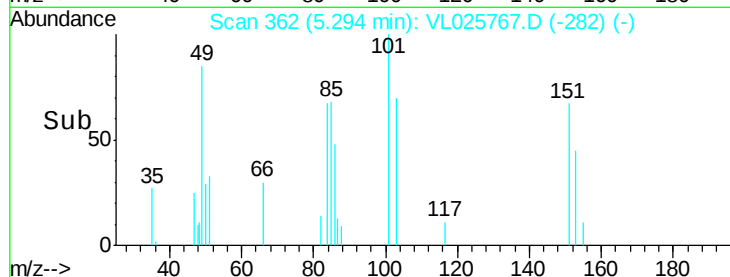
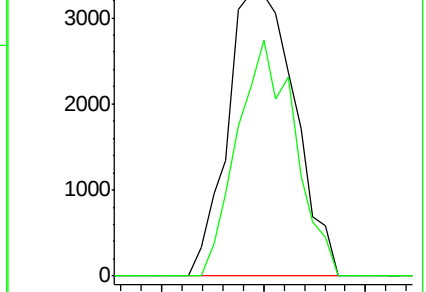
101 100

151 70.8 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 259.03 ppbv

RT: 4.32 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL025767.D

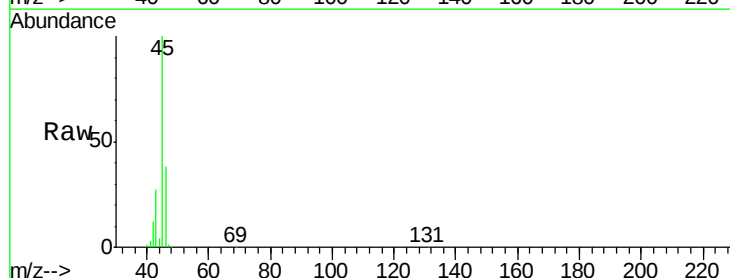
Acq: 28 Jul 2015 00:21

Tgt Ion: 45 Resp: 1481312

Ion Ratio Lower Upper

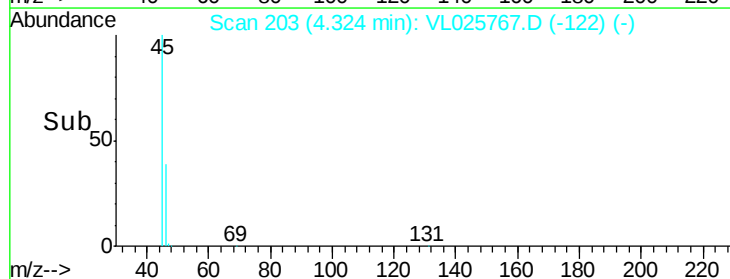
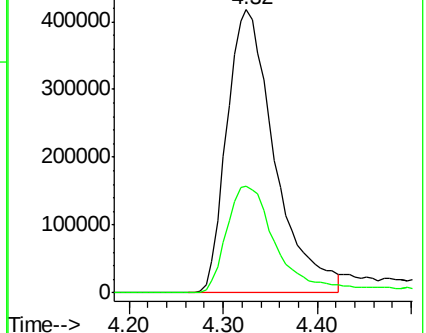
45 100

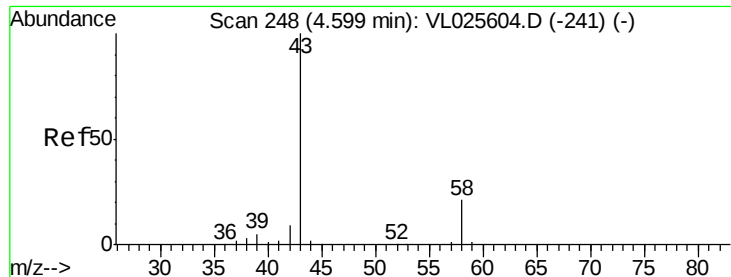
46 41.9 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 11.42 ppbv

RT: 4.59 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

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ClientSampleId :

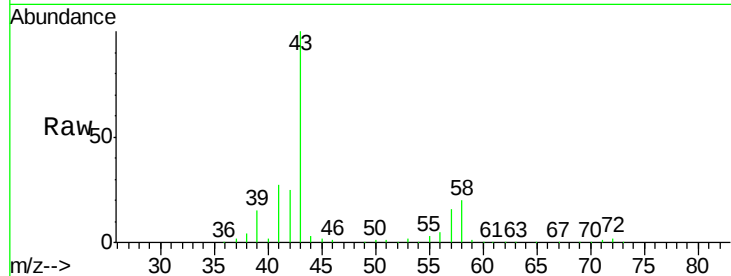
SV-1

Tot Ion: 43 Resp: 1584833

Ion Ratio Lower Upper

43 100

58 25.4 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.59

800000

600000

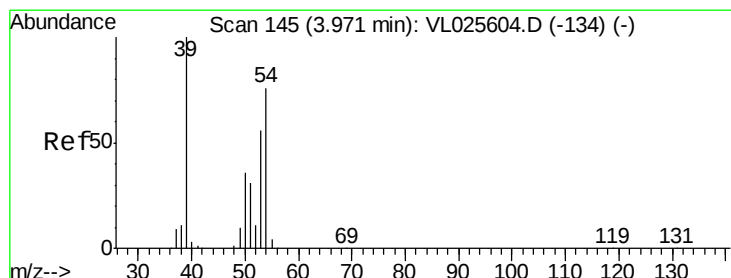
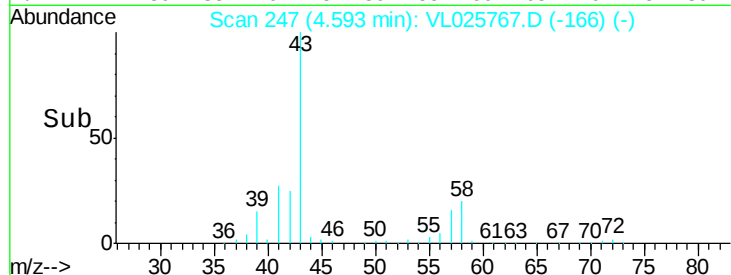
400000

200000

0

Time-->

4.50 4.55 4.60 4.65 4.70



#16

1,3-Butadiene

Concen: 2.87 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL025767.D

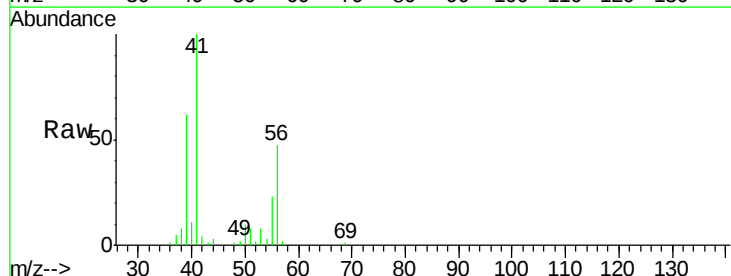
Acq: 28 Jul 2015 00:21

Tgt Ion: 39 Resp: 158734

Ion Ratio Lower Upper

39 100

54 7.2 59.3 88.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.95

100000

80000

60000

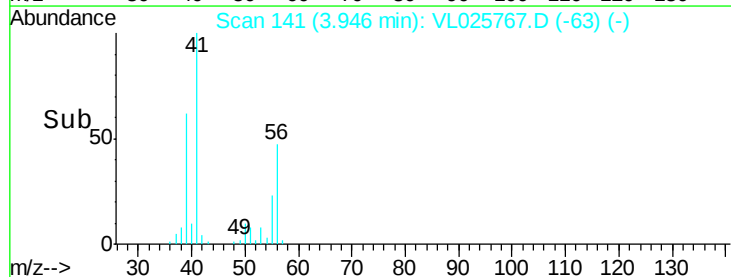
40000

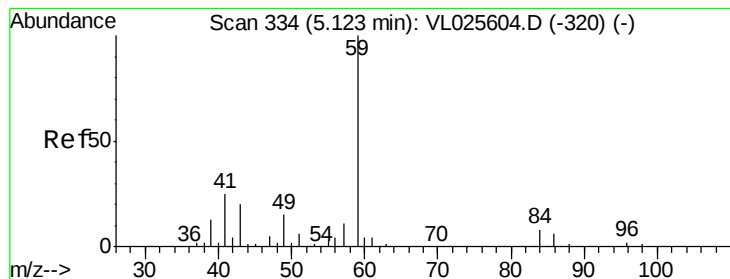
20000

0

Time-->

3.90 3.95





#17

tert-Butyl alcohol

Concen: 0.23 ppbv

RT: 5.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

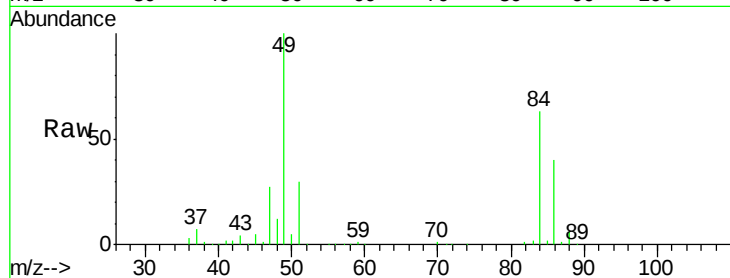
SV-1

Tot Ion: 59 Resp: 26210

Ion Ratio Lower Upper

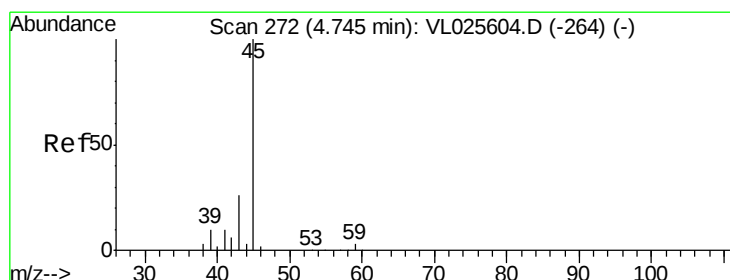
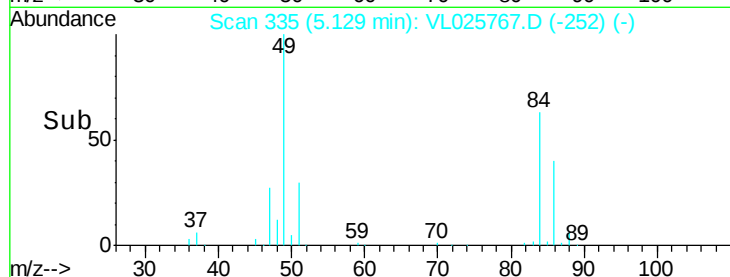
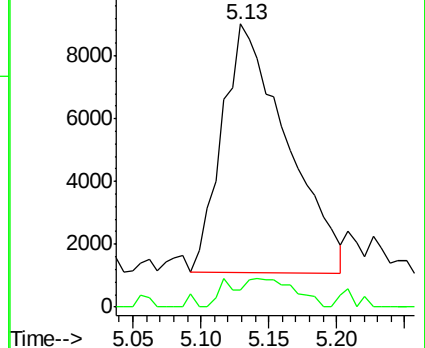
59 100

57 15.0 9.4 14.2#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 73.80 ppbv

RT: 4.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VL025767.D

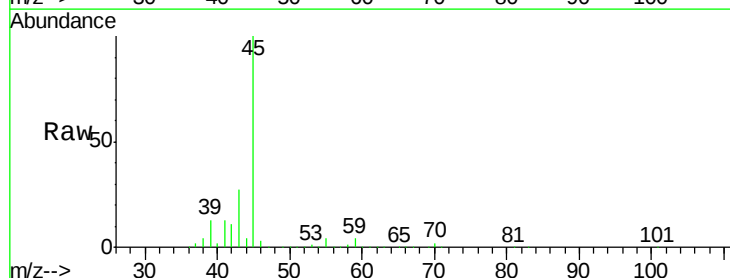
Acq: 28 Jul 2015 00:21

Tgt Ion: 45 Resp: 4088144

Ion Ratio Lower Upper

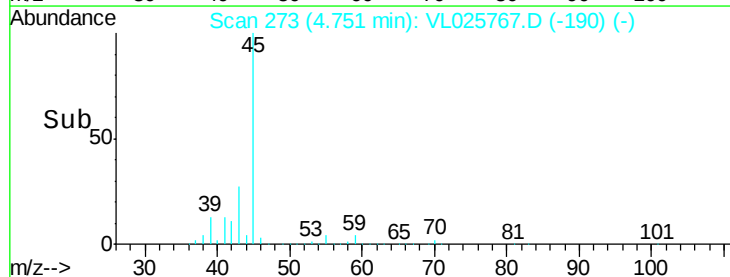
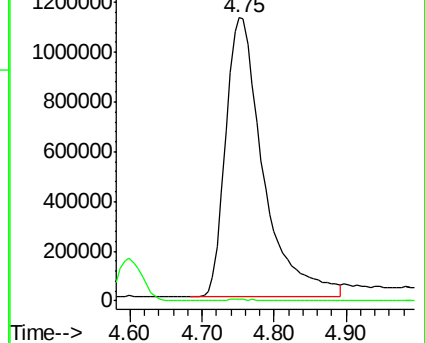
45 100

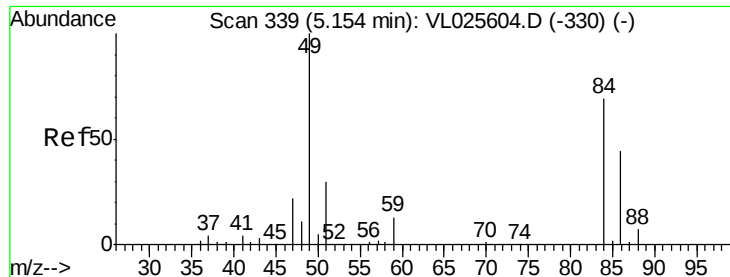
58 0.5 1.1 1.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



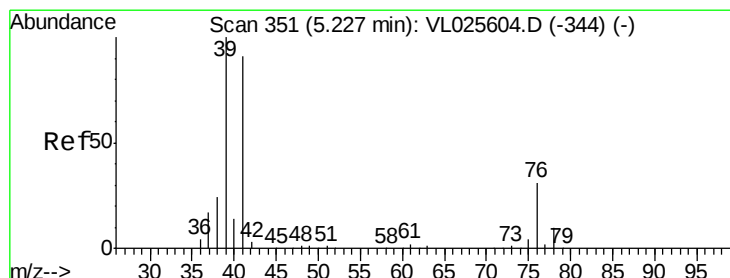
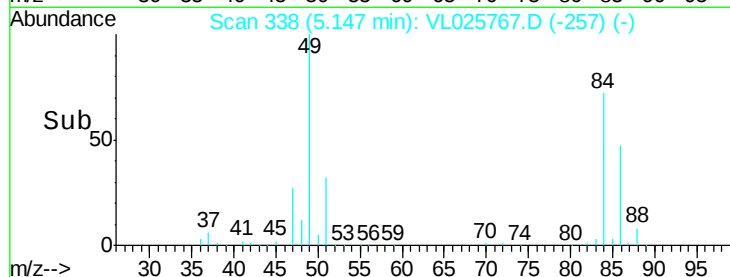
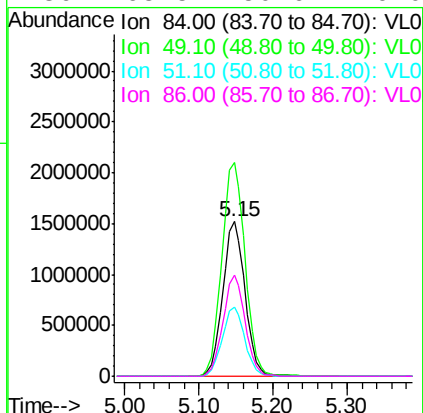
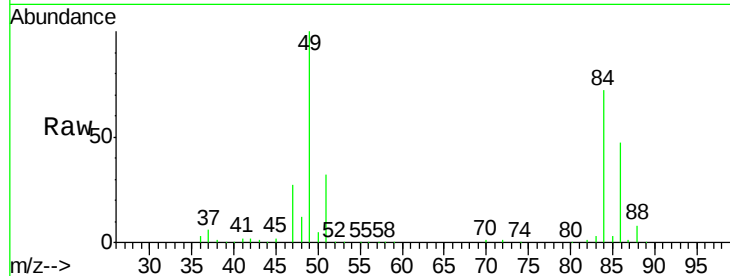


#20
Methylene Chloride
Concen: 56.10 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

Instrument :
MSVOA_L
ClientSampleId :
SV-1

Tot Ion: 84 Resp: 3163230

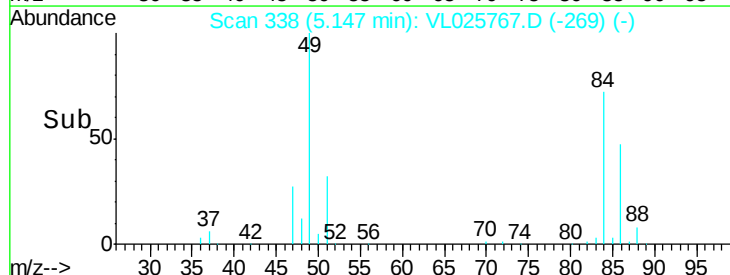
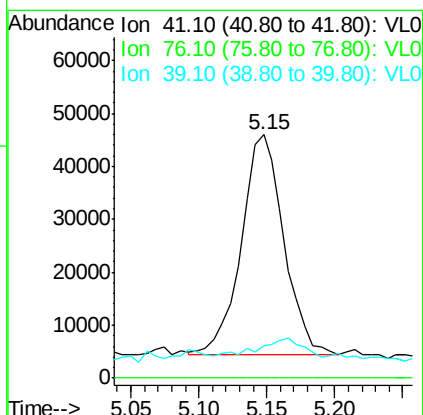
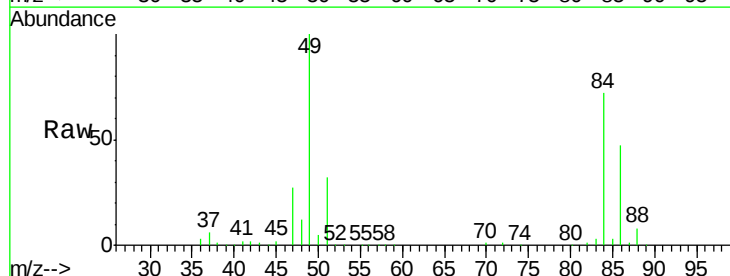
Ion	Ratio	Lower	Upper
84	100		
49	138.2	115.2	172.8
51	44.8	35.0	52.6
86	65.5	50.6	76.0

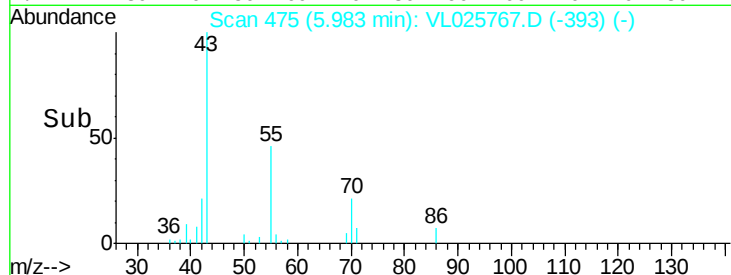
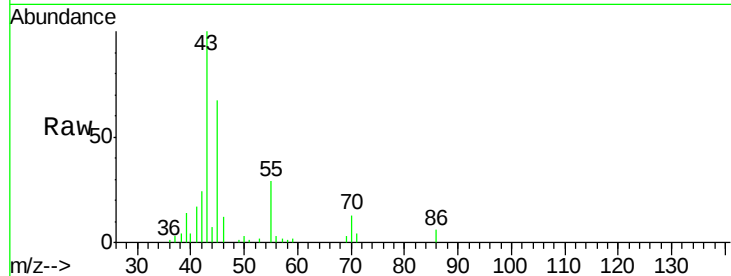
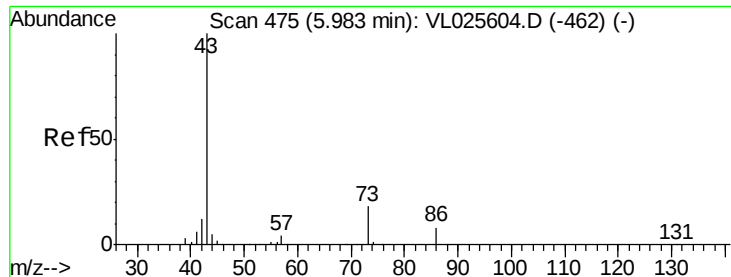


#21
Allyl Chloride
Concen: 1.05 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.08 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

Tgt Ion: 41 Resp: 90794

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	40.0#
39	23.3	88.2	132.4#





#23

Vinyl Acetate

Concen: 0.53 ppbv

RT: 5.98 min Scan# 475

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tot Ion: 43 Resp: 112064

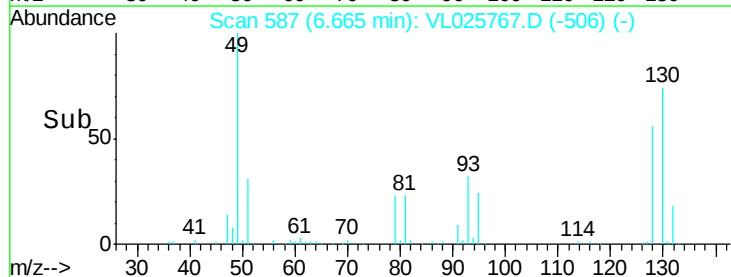
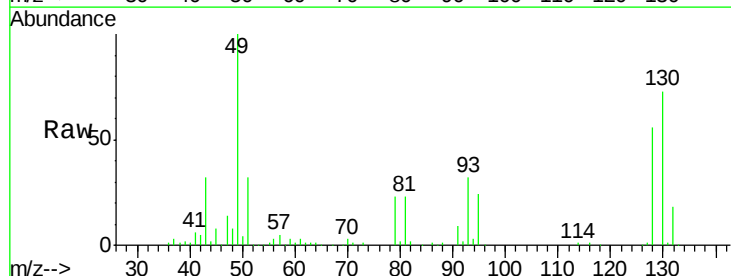
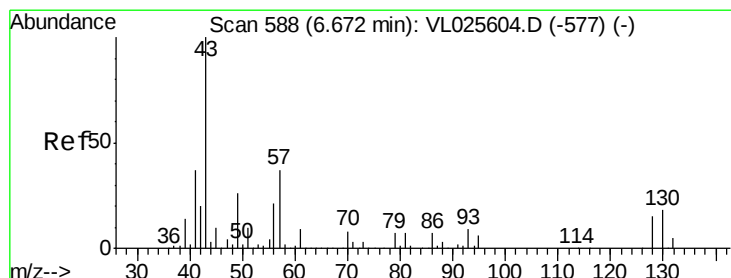
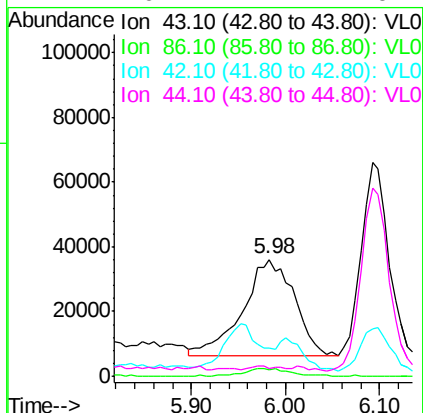
Ion Ratio Lower Upper

43 100

86 7.1 6.7 10.1

42 24.1 9.8 14.6#

44 0.2 4.1 6.1#



#25

Ethyl Acetate

Concen: 0.70 ppbv

RT: 6.67 min Scan# 587

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Tgt Ion: 43 Resp: 147036

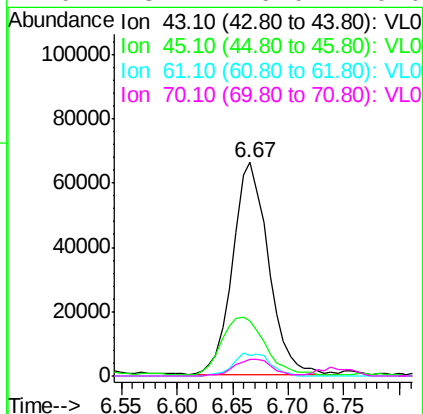
Ion Ratio Lower Upper

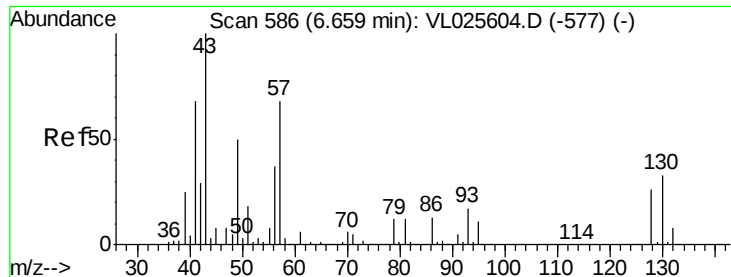
43 100

45 36.7 7.5 11.3#

61 10.9 6.6 10.0#

70 8.7 6.0 9.0





#26

Hexane

Concen: 0.30 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tot Ion: 57 Resp: 29554

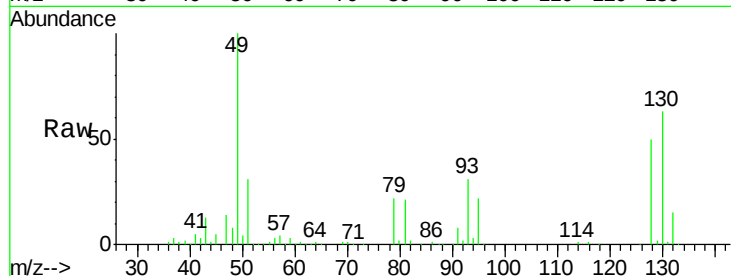
Ion Ratio Lower Upper

57 100

41 139.7 81.4 122.2#

43 500.6 171.4 257.2#

56 66.9 44.5 66.7#

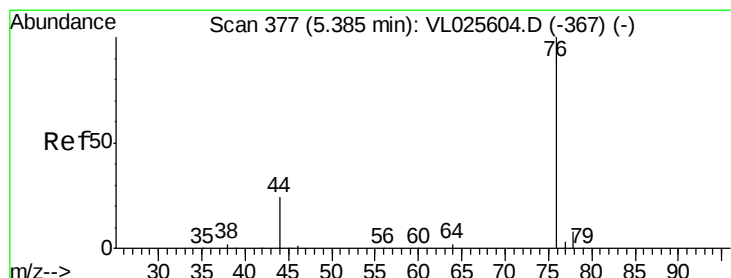
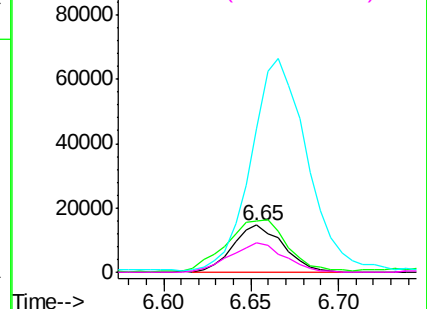
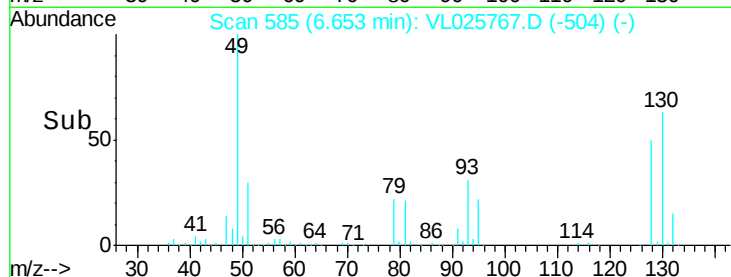


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.63 ppbv

RT: 5.39 min Scan# 377

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

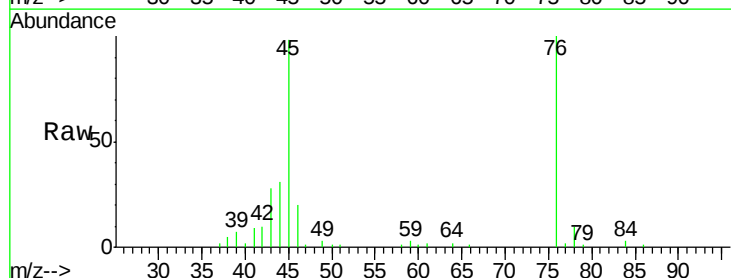
Tgt Ion: 76 Resp: 101431

Ion Ratio Lower Upper

76 100

44 26.7 20.2 30.4

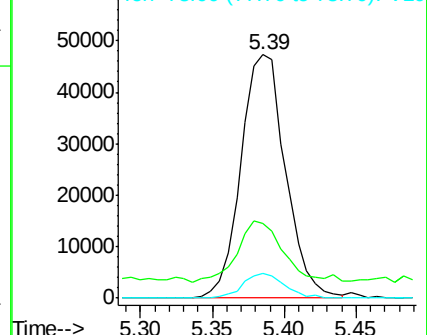
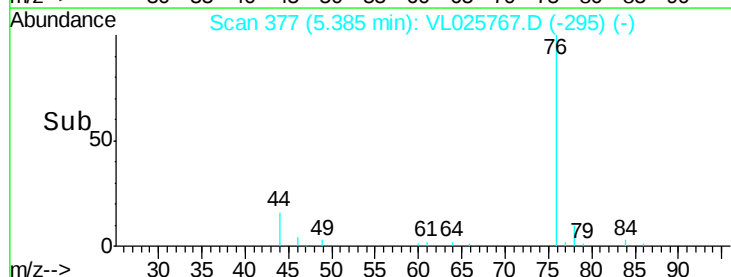
78 9.4 7.4 11.2

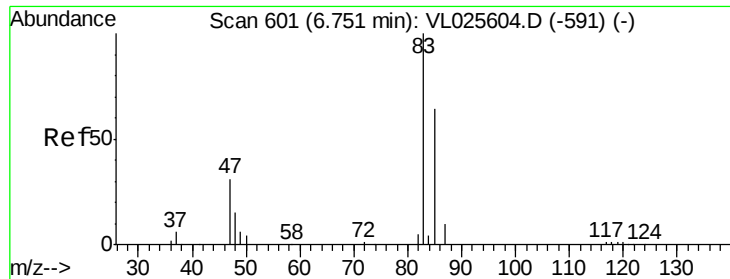


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 2.38 ppbv

RT: 6.74 min Scan# 600

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

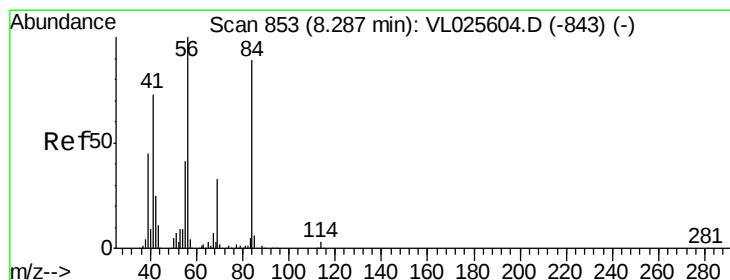
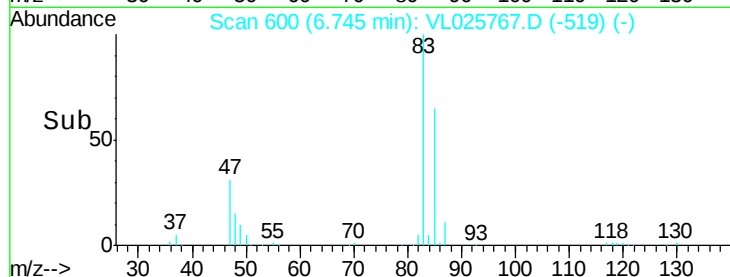
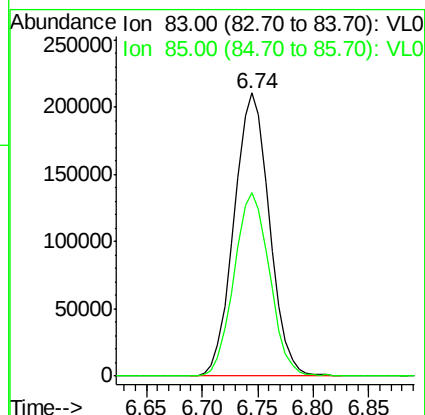
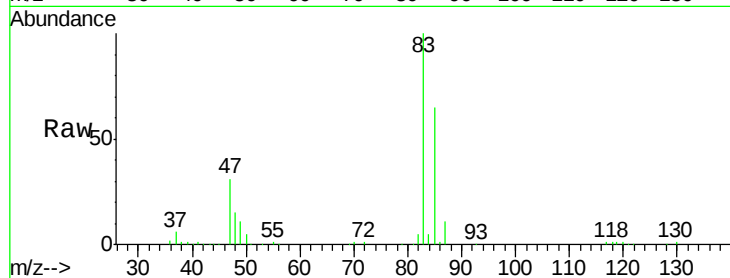
SV-1

Tot Ion: 83 Resp: 464974

Ion Ratio Lower Upper

83 100

85 64.9 51.6 77.4



#30

Cyclohexane

Concen: 0.43 ppbv

RT: 8.28 min Scan# 852

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

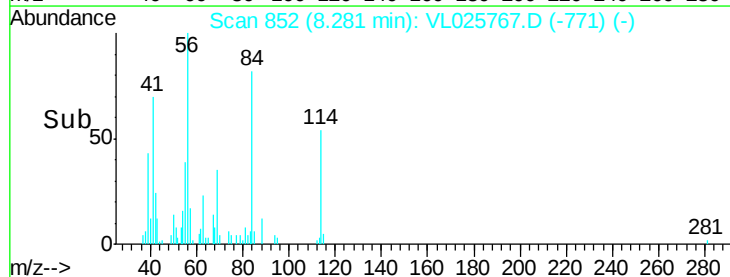
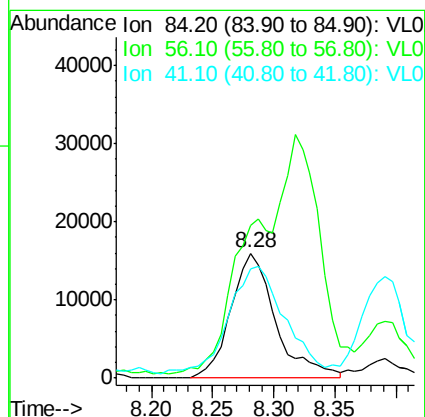
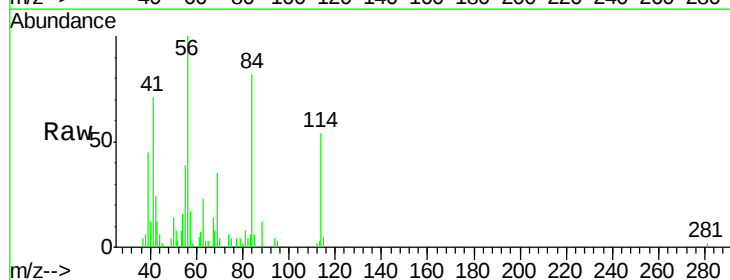
Tgt Ion: 84 Resp: 40763

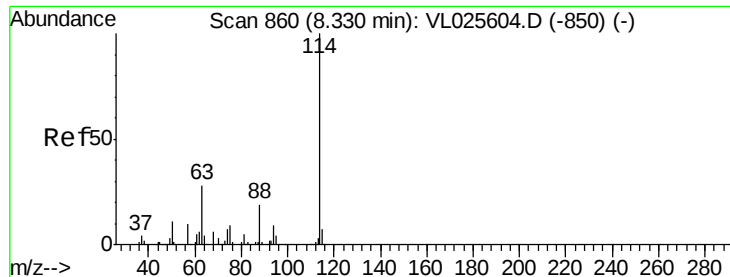
Ion Ratio Lower Upper

84 100

56 325.3 97.5 146.3#

41 105.6 65.4 98.2#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 859

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

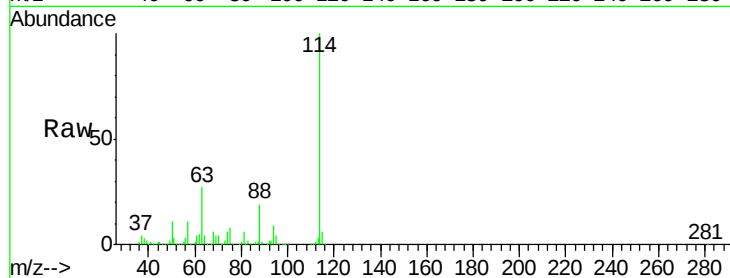
Tot Ion:114 Resp: 2092582

Ion Ratio Lower Upper

114 100

63 26.9 22.4 33.6

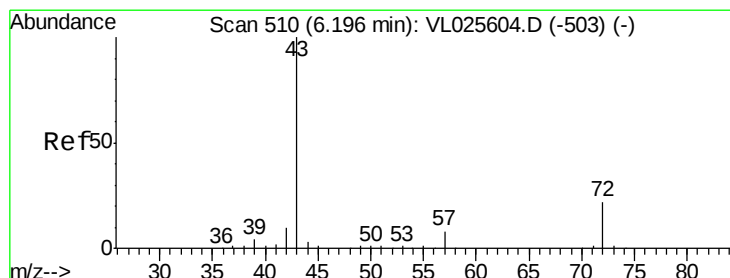
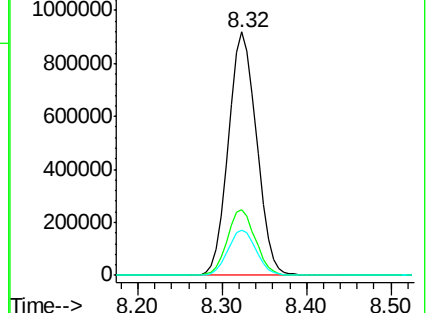
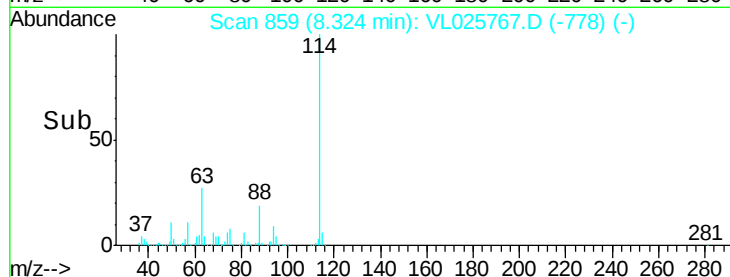
88 18.7 15.0 22.4



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: 11.18 ppbv

RT: 6.19 min Scan# 509

Delta R.T. -0.01 min

Lab File: VL025767.D

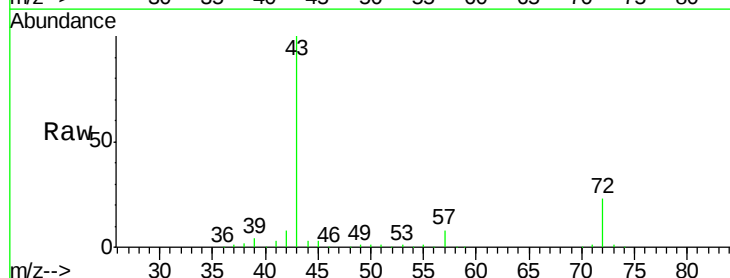
Acq: 28 Jul 2015 00:21

Tgt Ion: 43 Resp: 1327579

Ion Ratio Lower Upper

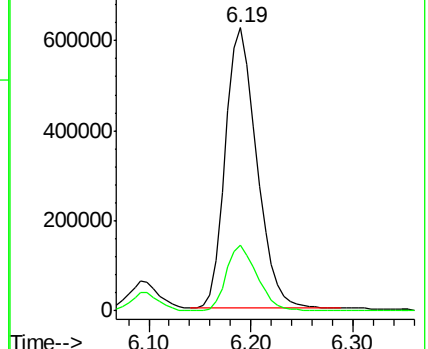
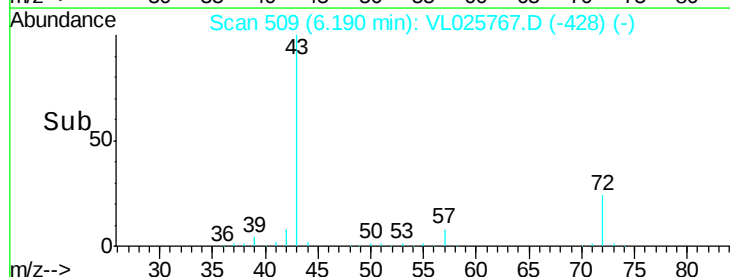
43 100

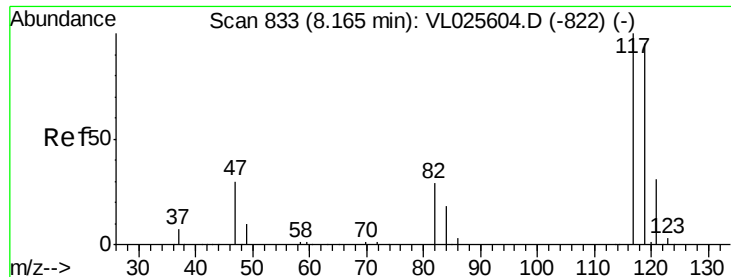
72 23.5 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.06 ppbv

RT: 8.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampled :

SV-1

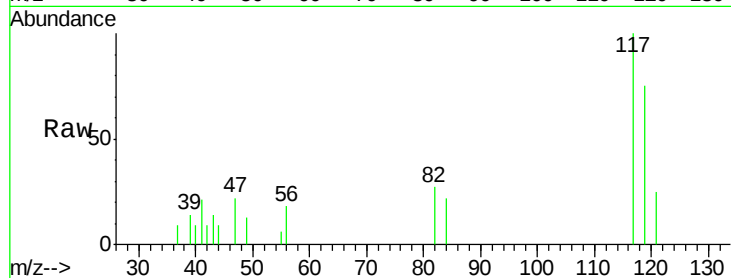
Tot Ion:117 Resp: 14201

Ion Ratio Lower Upper

117 100

119 75.1 75.9 113.9#

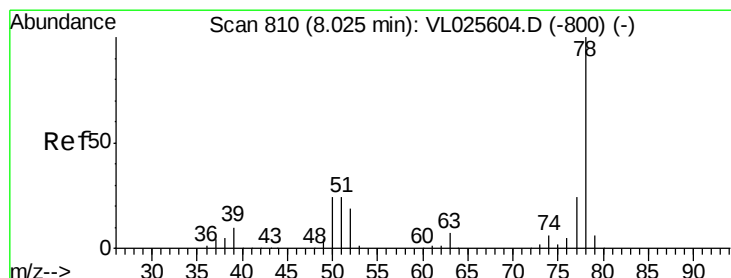
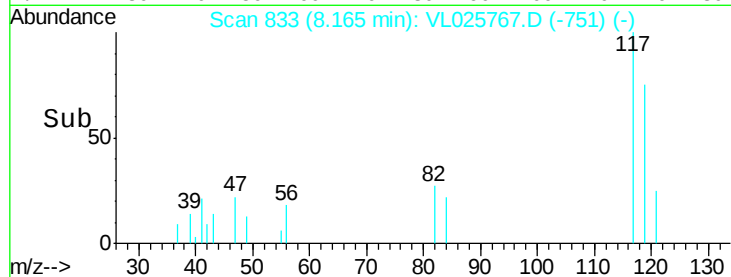
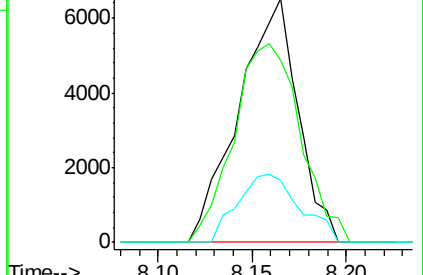
121 25.5 24.4 36.6



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: 0.24 ppbv

RT: 8.02 min Scan# 809

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

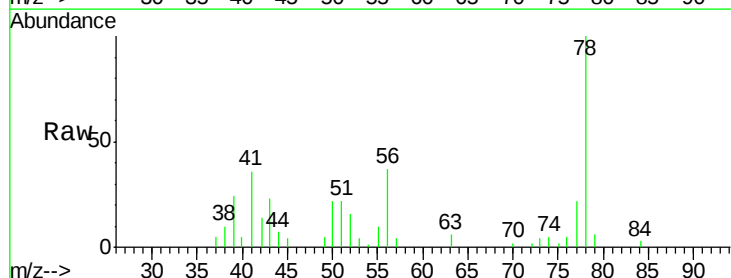
Tgt Ion: 78 Resp: 48946

Ion Ratio Lower Upper

78 100

77 21.9 19.0 28.4

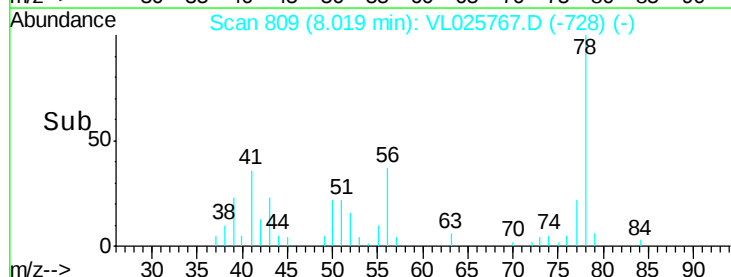
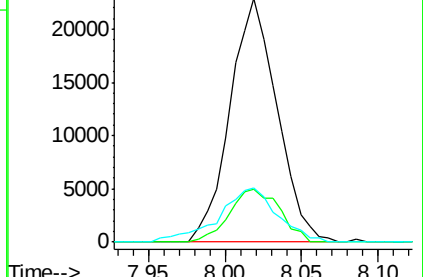
50 22.5 19.2 28.8

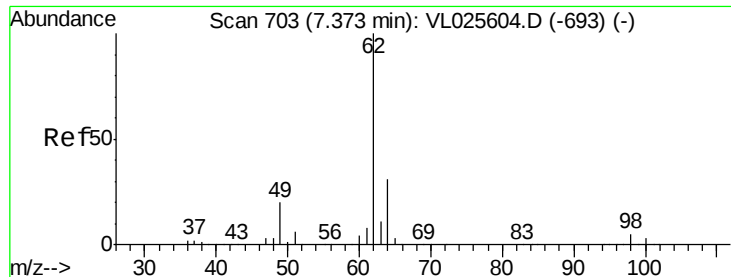


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

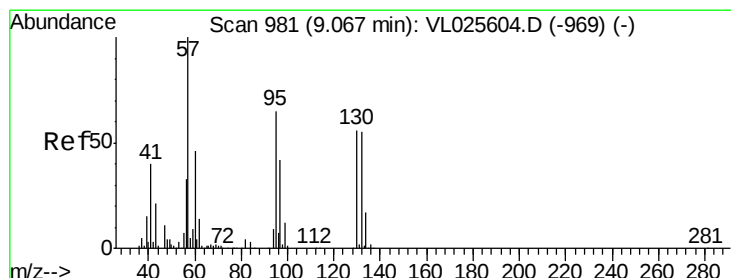
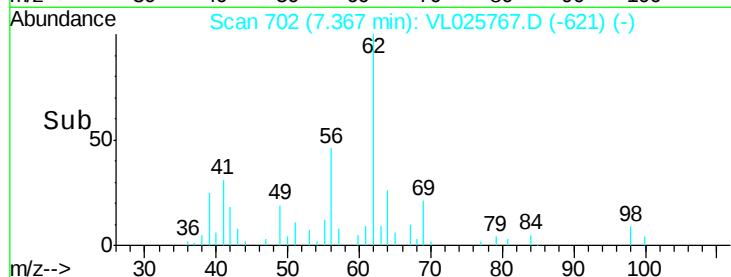
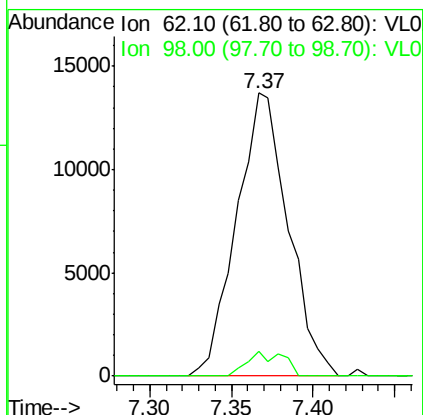
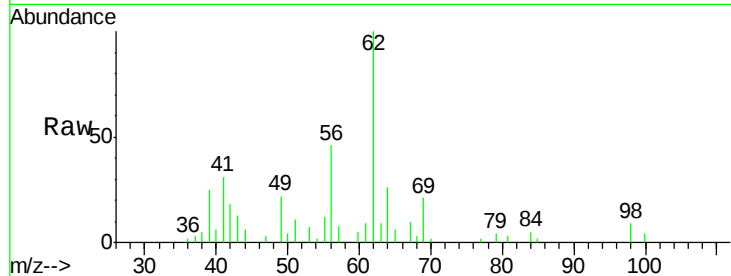




#37
 1,2-Dichloroethane
 Concen: 0.18 ppbv
 RT: 7.37 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VL025767.D
 Acq: 28 Jul 2015 00:21

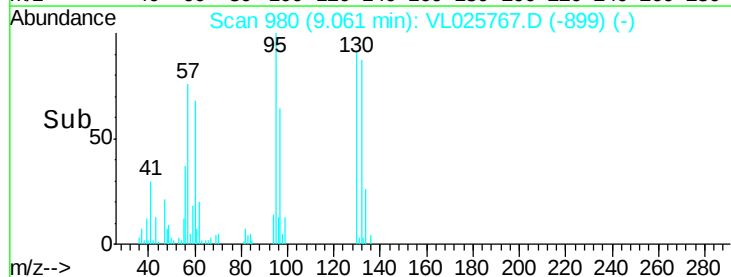
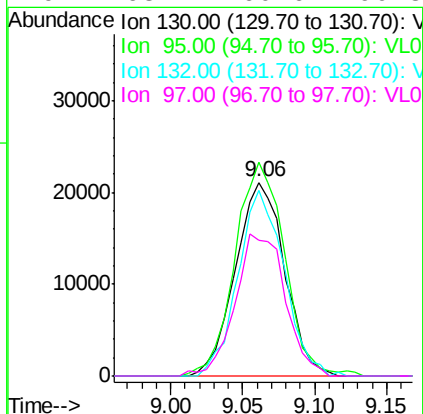
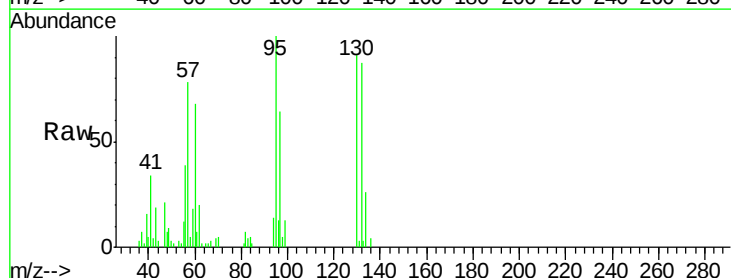
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

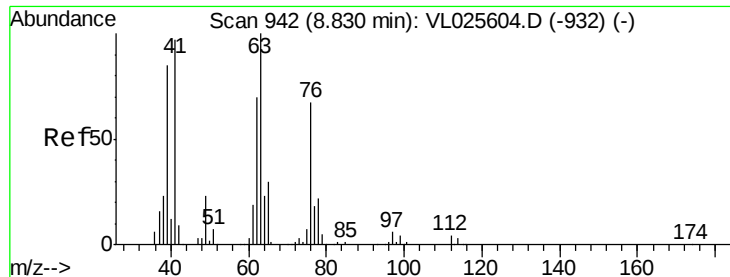
Tot Ion: 62 Resp: 30305
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.1 6.1



#38
 Trichloroethene
 Concen: 0.54 ppbv
 RT: 9.06 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VL025767.D
 Acq: 28 Jul 2015 00:21

Tgt Ion:130 Resp: 49966
 Ion Ratio Lower Upper
 130 100
 95 105.7 94.2 141.4
 132 93.4 78.6 118.0
 97 68.2 60.6 90.8





#39

1,2-Dichloropropane

Concen: 0.05 ppbv

RT: 8.82 min Scan# 940

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

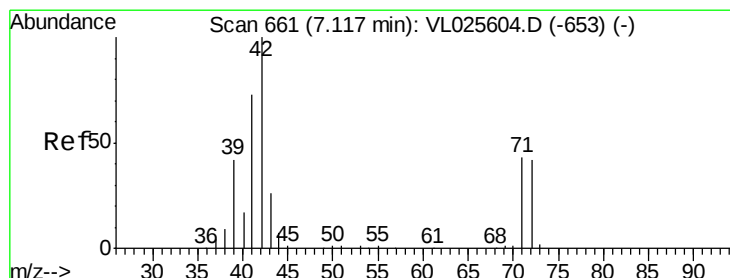
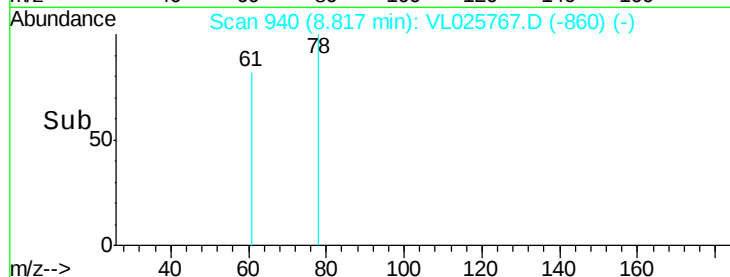
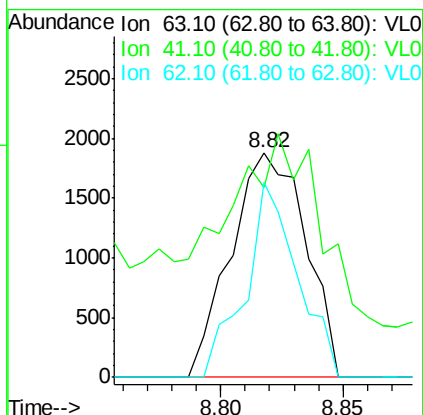
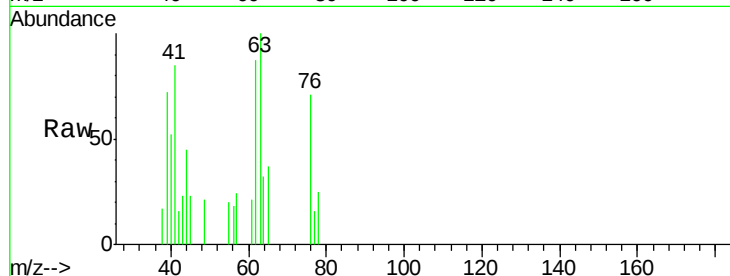
Tot Ion: 63 Resp: 3979

Ion Ratio Lower Upper

63 100

41 24.4 78.0 117.0#

62 65.4 55.7 83.5



#41

Tetrahydrofuran

Concen: 0.35 ppbv

RT: 7.13 min Scan# 663

Delta R.T. 0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

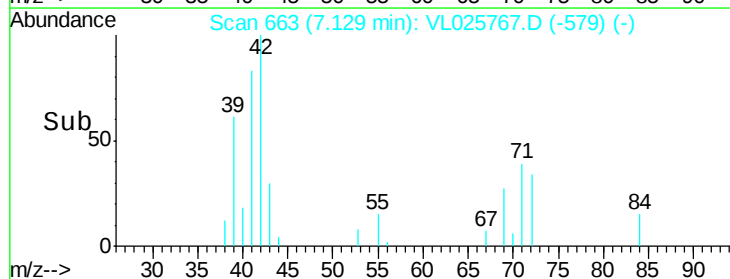
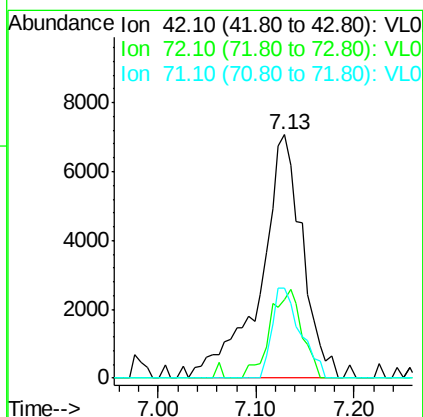
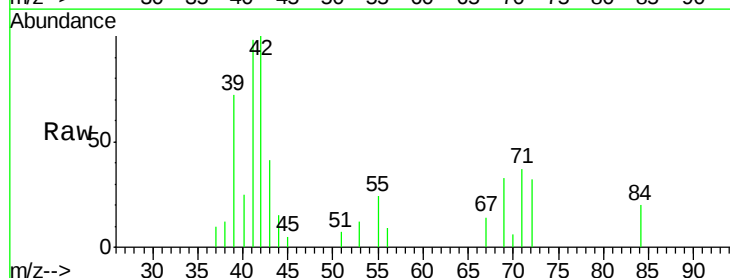
Tgt Ion: 42 Resp: 21030

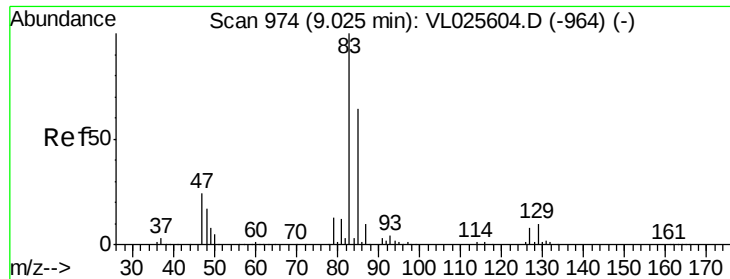
Ion Ratio Lower Upper

42 100

72 28.0 34.0 51.0#

71 25.2 33.0 49.6#





#42

Bromodichloromethane

Concen: 0.04 ppbv

RT: 9.02 min Scan# 974

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampled :

SV-1

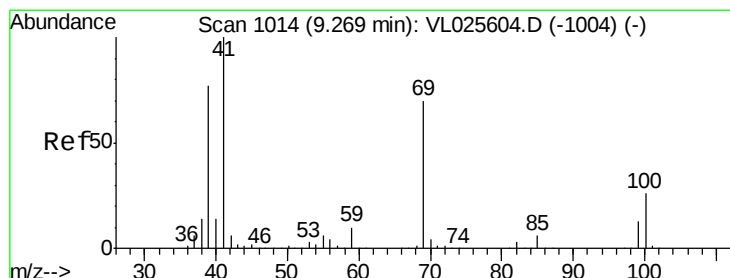
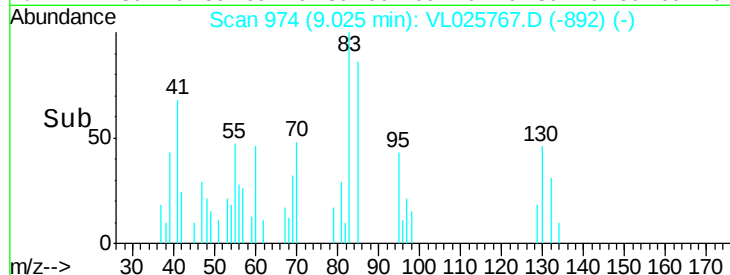
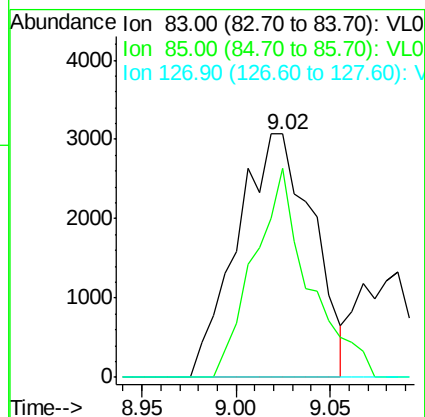
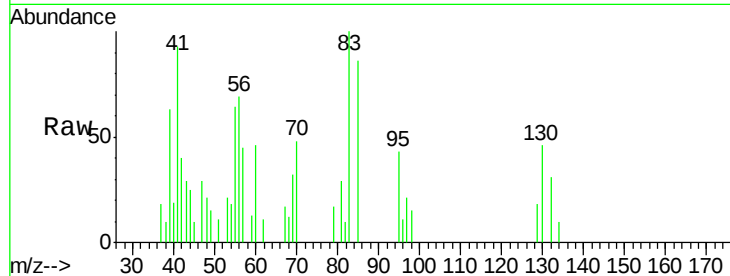
Tot Ion: 83 Resp: 8599

Ion Ratio Lower Upper

83 100

85 85.8 51.3 76.9#

127 0.0 6.0 9.0#



#43

Methyl Methacrylate

Concen: 0.13 ppbv

RT: 9.26 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

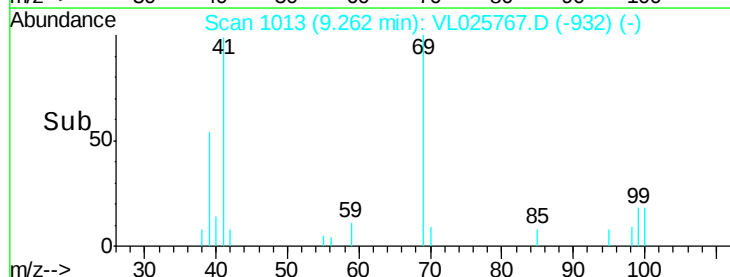
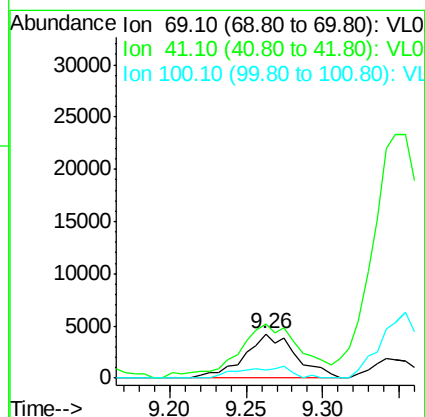
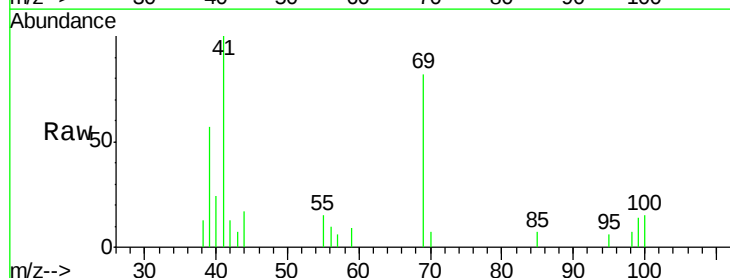
Tgt Ion: 69 Resp: 9906

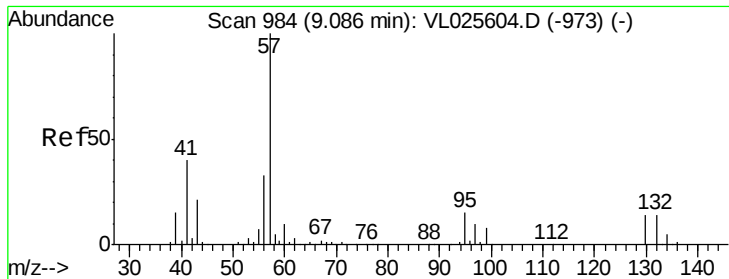
Ion Ratio Lower Upper

69 100

41 132.5 117.3 175.9

100 25.8 29.0 43.6#





#44

2,2,4-Trimethylpentane

Concen: 0.30 ppbv

RT: 9.09 min Scan# 984

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

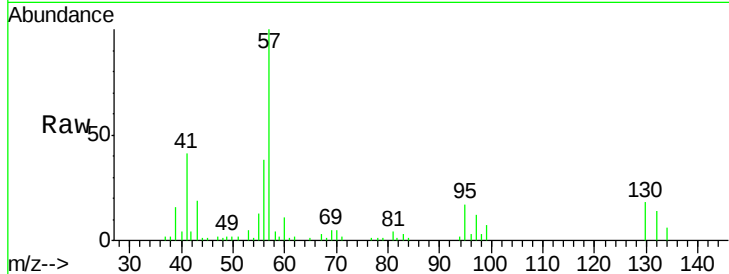
Tot Ion: 57 Resp: 102471

Ion Ratio Lower Upper

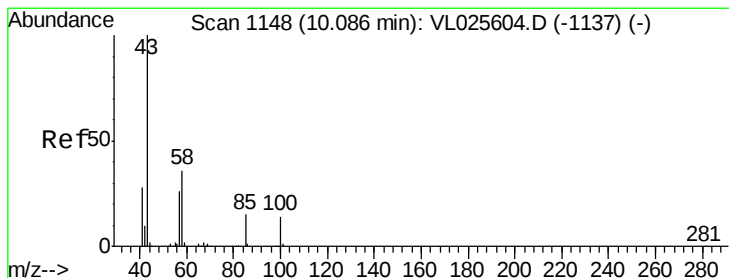
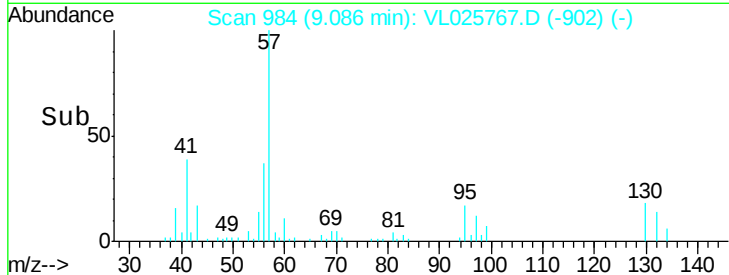
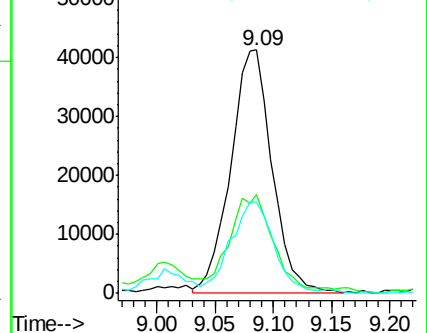
57 100

41 59.3 31.2 46.8#

56 48.9 25.4 38.2#



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



#50

4-Methyl-2-Pentanone

Concen: 0.08 ppbv

RT: 10.10 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VL025767.D

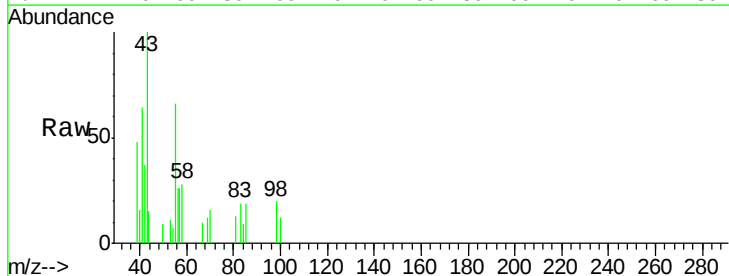
Acq: 28 Jul 2015 00:21

Tgt Ion: 43 Resp: 12875

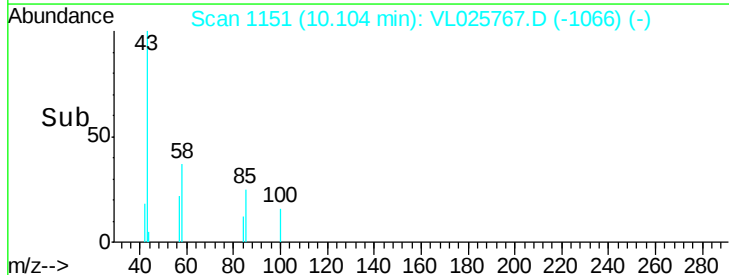
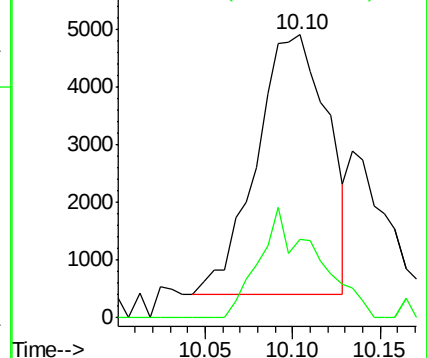
Ion Ratio Lower Upper

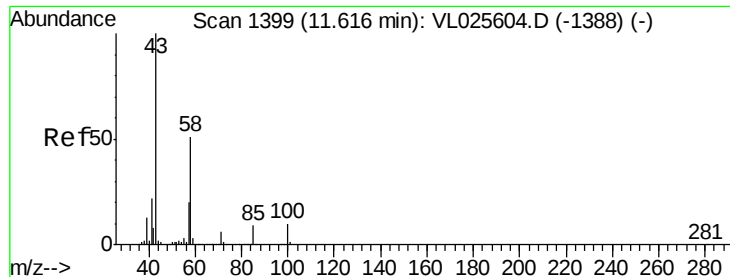
43 100

58 35.2 28.5 42.7



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

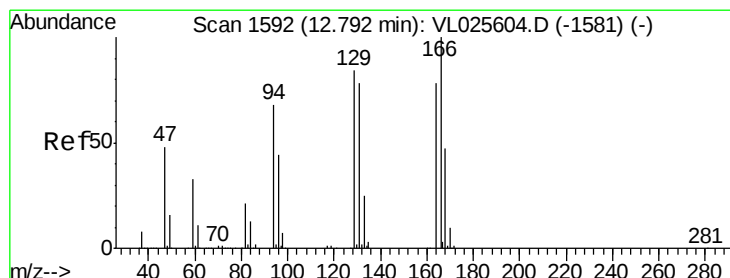
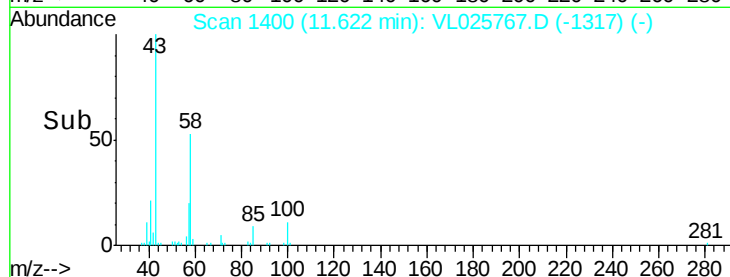
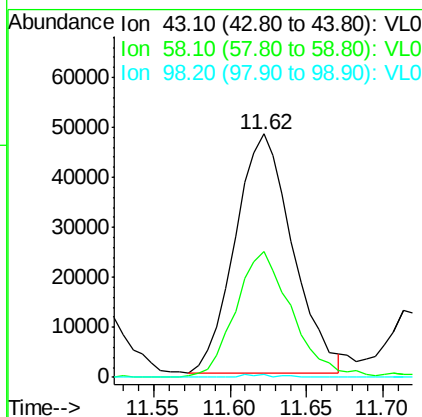
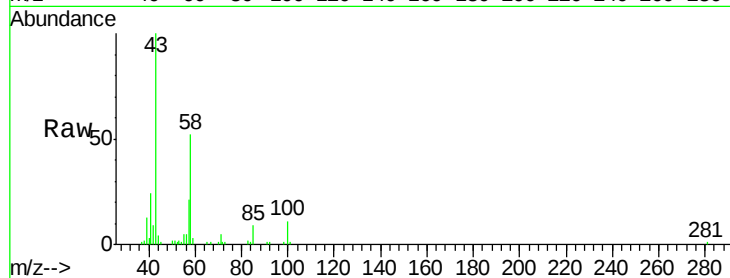




#51
2-Hexanone
Concen: 0.82 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

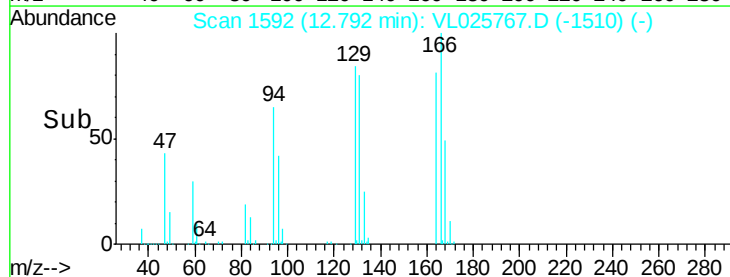
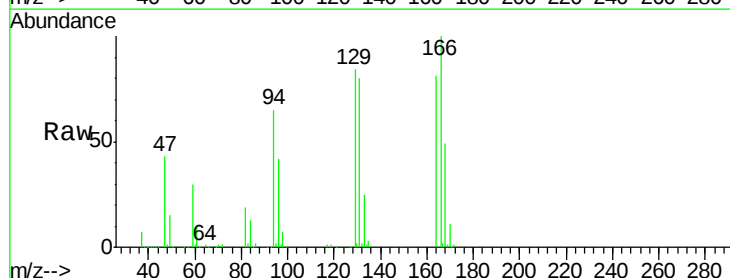
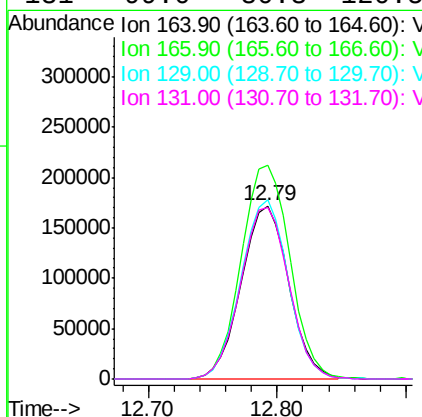
Instrument :
MSVOA_L
ClientSampled :
SV-1

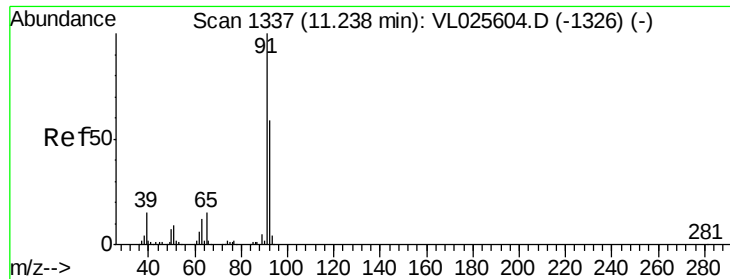
Tot Ion: 43 Resp: 125354
Ion Ratio Lower Upper
43 100
58 52.9 39.0 58.6
98 0.7 0.2 0.4#



#52
Tetrachloroethene
Concen: 4.38 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

Tgt Ion: 164 Resp: 440321
Ion Ratio Lower Upper
164 100
166 123.3 102.3 153.5
129 103.4 86.2 129.4
131 99.0 80.3 120.5





#53

Toluene

Concen: 12.26 ppbv

RT: 11.23 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

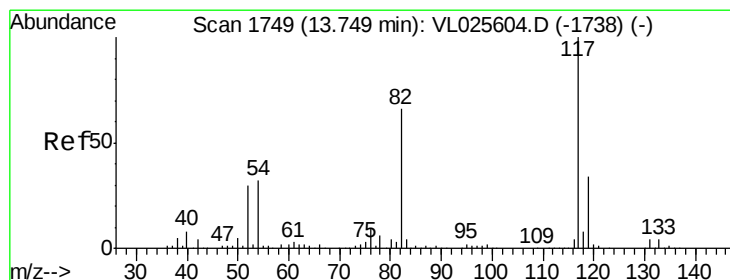
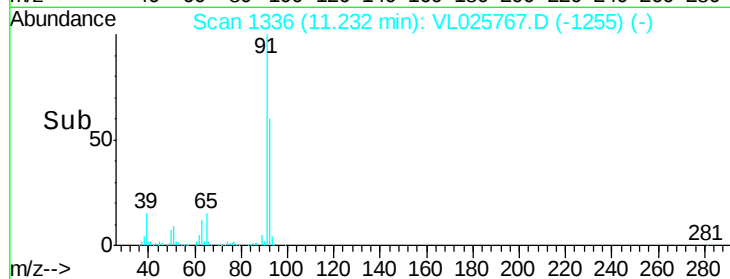
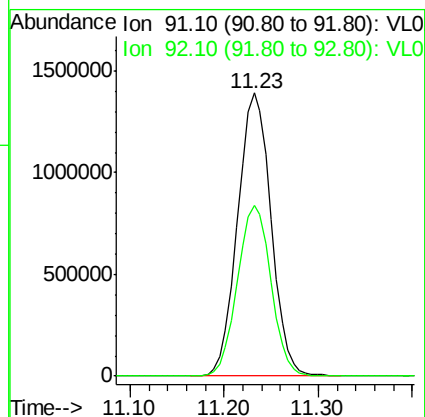
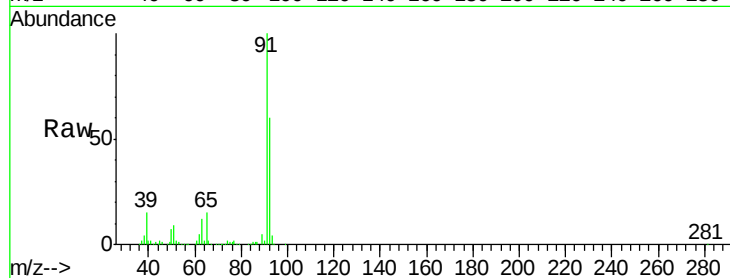
SV-1

Tot Ion: 91 Resp: 3453288

Ion Ratio Lower Upper

91 100

92 60.7 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.74 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

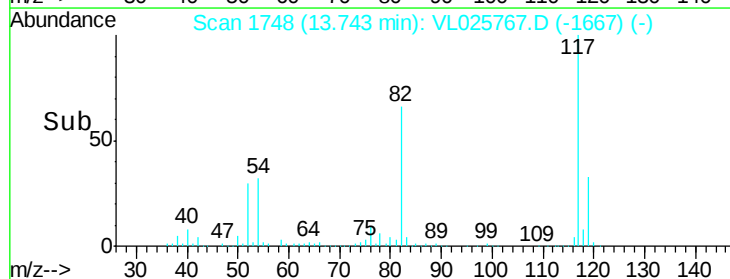
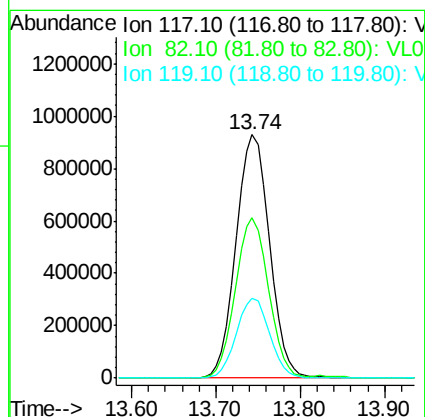
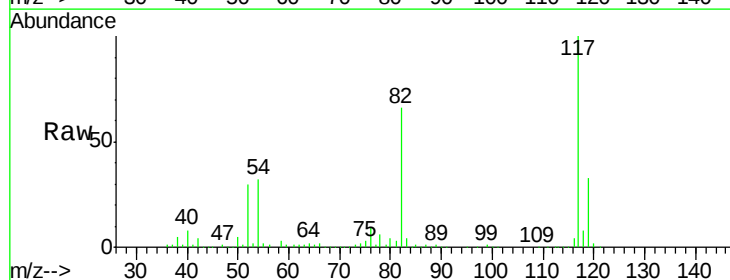
Tgt Ion: 117 Resp: 2510130

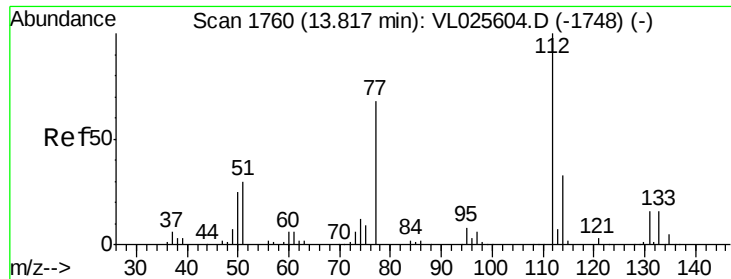
Ion Ratio Lower Upper

117 100

82 66.3 50.5 75.7

119 32.8 45.1 67.7#

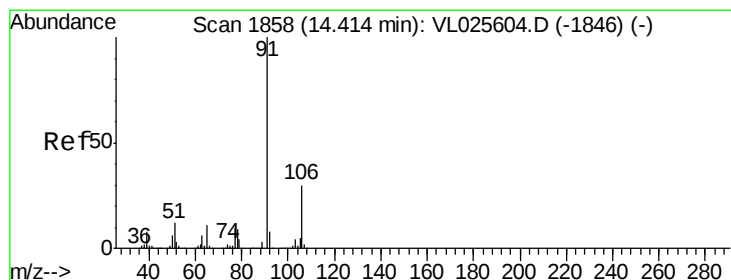
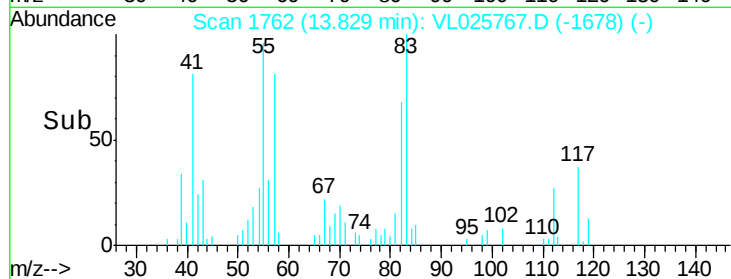
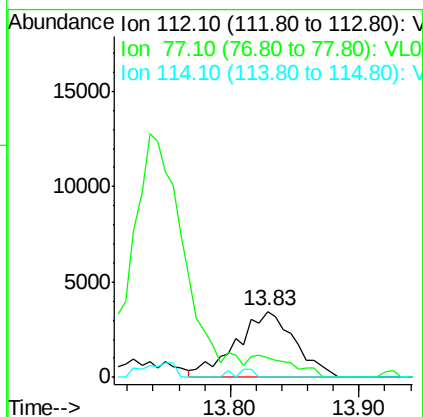
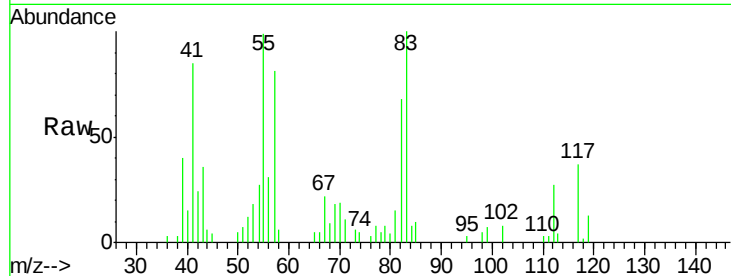




#57
Chlorobenzene
Concen: 0.04 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.01 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

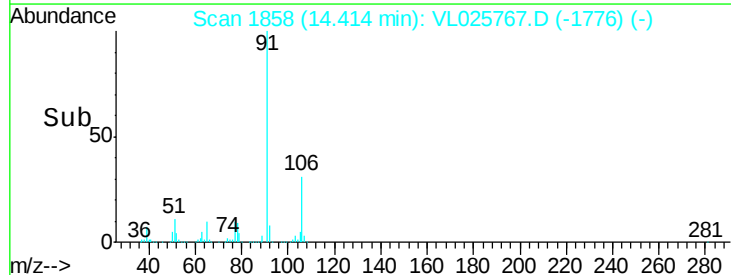
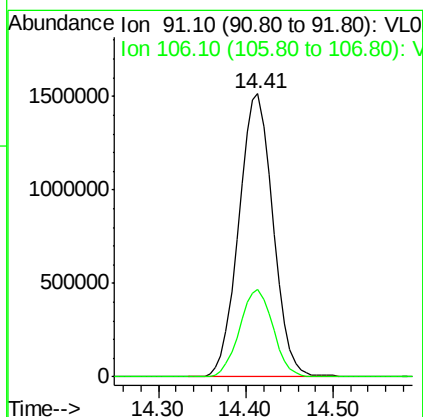
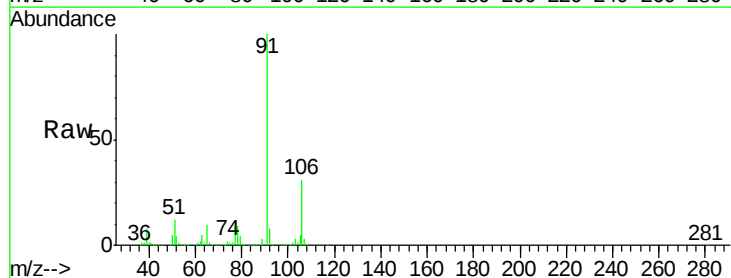
Instrument :
MSVOA_L
ClientSampleId :
SV-1

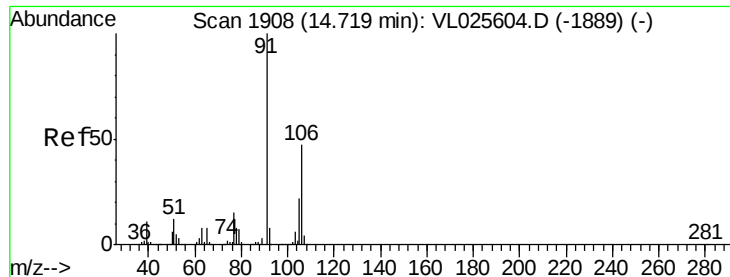
Tot Ion: 112 Resp: 10787
Ion Ratio Lower Upper
112 100
77 30.4 55.2 82.8#
114 0.0 29.4 36.0#



#58
Ethyl Benzene
Concen: 9.91 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

Tgt Ion: 91 Resp: 4107098
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2

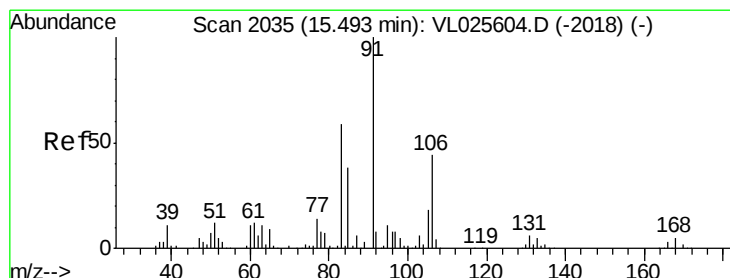
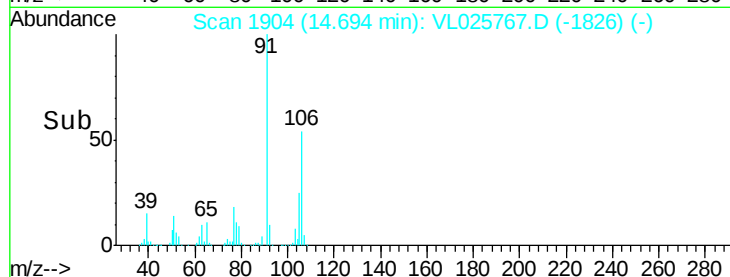
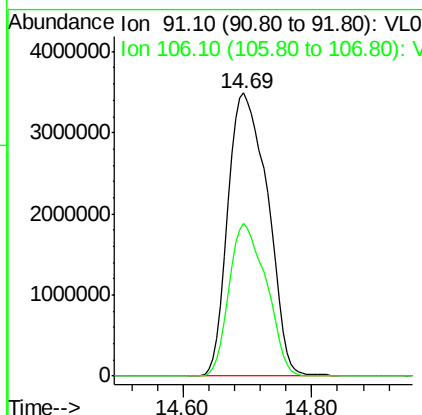
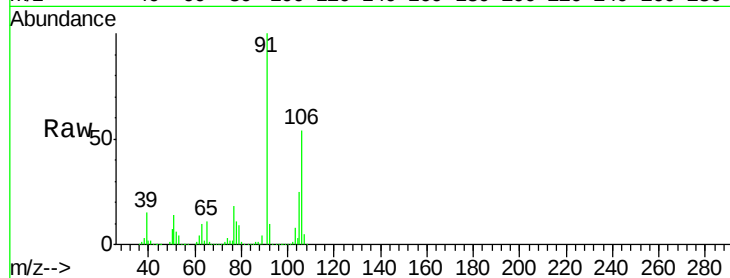




#59
m/p-Xylene
Concen: 40.99 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.02 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

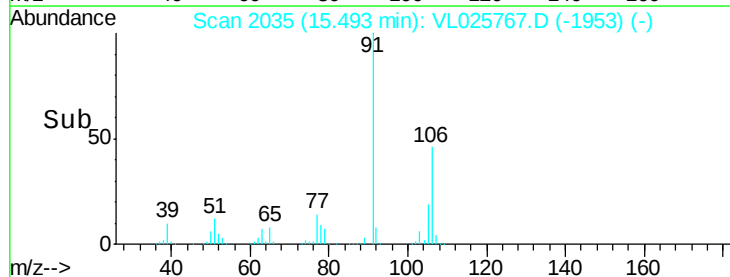
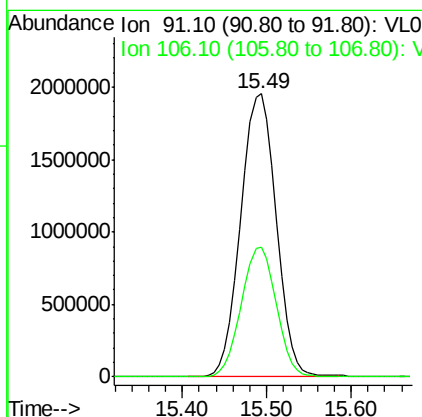
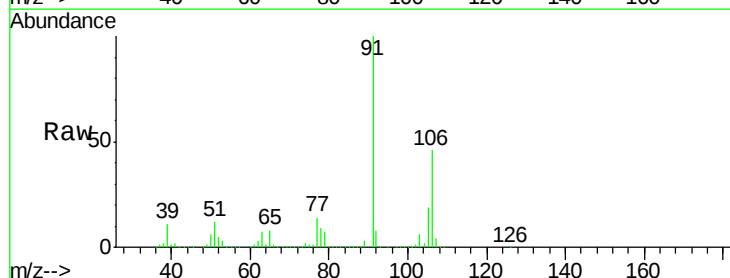
Instrument :
MSVOA_L
ClientSampleId :
SV-1

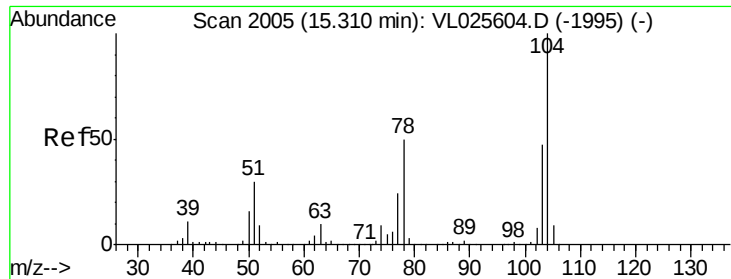
Tot Ion: 91 Resp:14935135
Ion Ratio Lower Upper
91 100
106 50.8 37.9 56.9



#60
o-Xylene
Concen: 14.26 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VL025767.D
Acq: 28 Jul 2015 00:21

Tgt Ion: 91 Resp: 5592875
Ion Ratio Lower Upper
91 100
106 45.5 22.1 66.1





#61

Stvrene

Concen: 0.60 ppbv

RT: 15.31 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

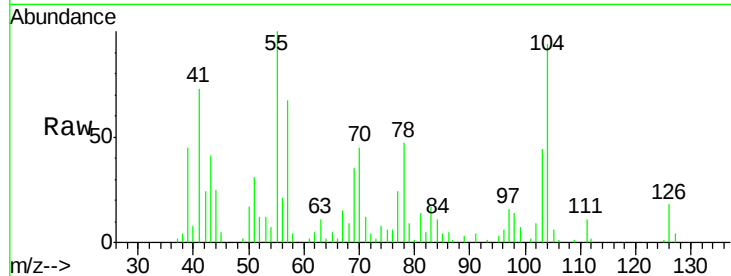
Tot Ion:104 Resp: 82005

Ion Ratio Lower Upper

104 100

78 53.4 40.2 60.4

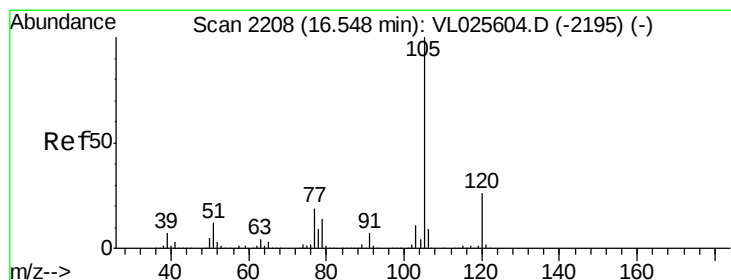
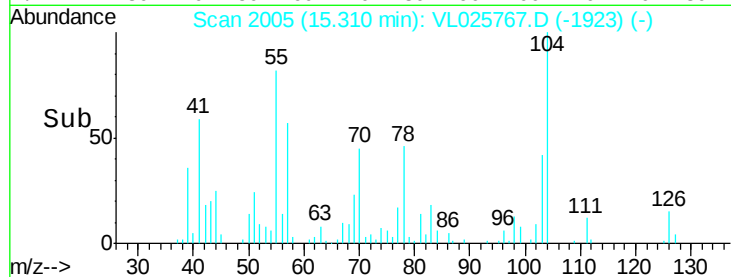
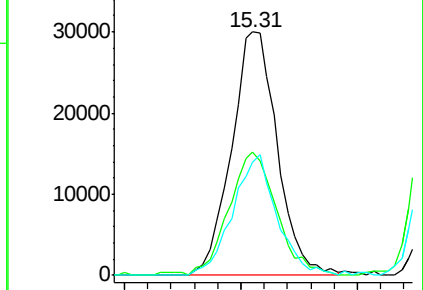
103 48.3 37.4 56.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.18 ppbv

RT: 16.55 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VL025767.D

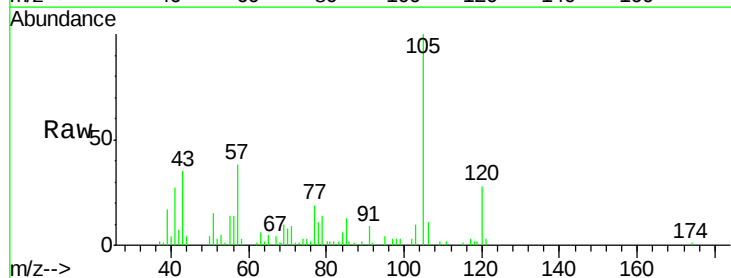
Acq: 28 Jul 2015 00:21

Tgt Ion:105 Resp: 90890

Ion Ratio Lower Upper

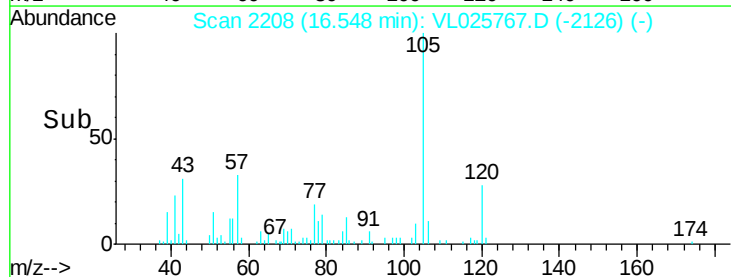
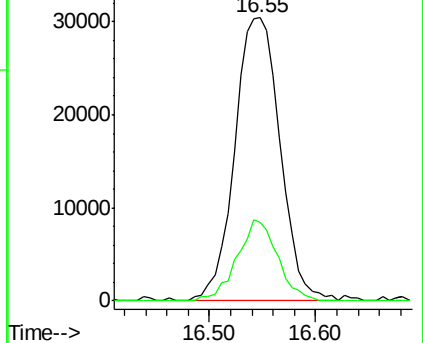
105 100

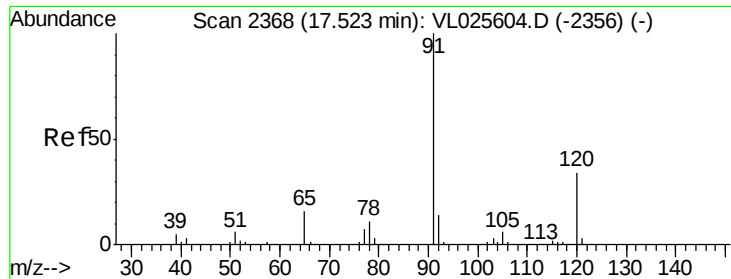
120 25.5 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.25 ppbv

RT: 17.52 min Scan# 2367

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

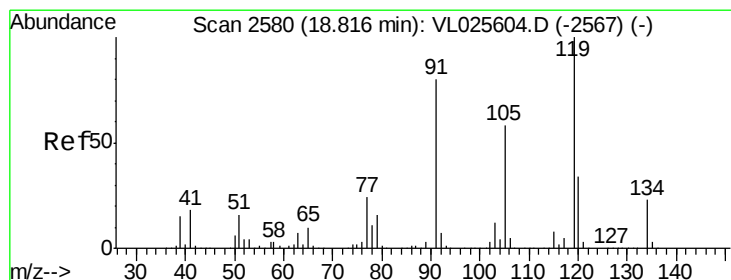
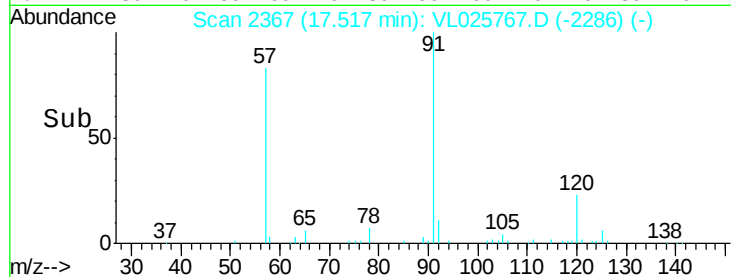
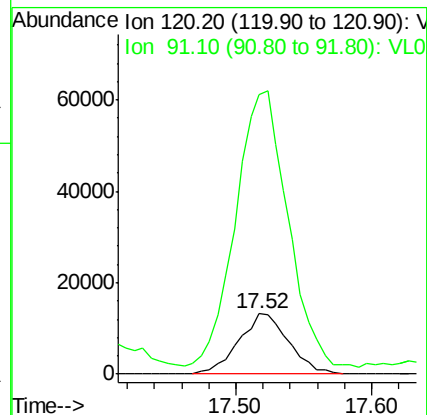
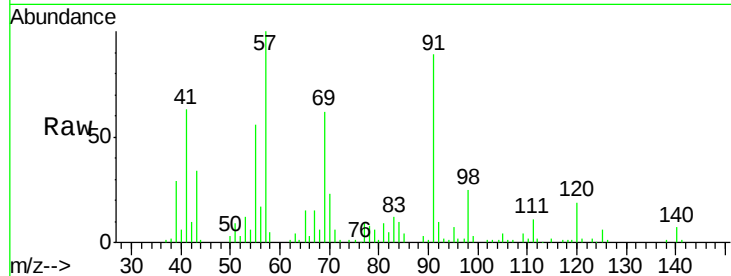
SV-1

Tot Ion:120 Resp: 34253

Ion Ratio Lower Upper

120 100

91 494.5 370.5 555.7



#65

tert-Butylbenzene

Concen: 0.13 ppbv

RT: 18.82 min Scan# 2581

Delta R.T. 0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

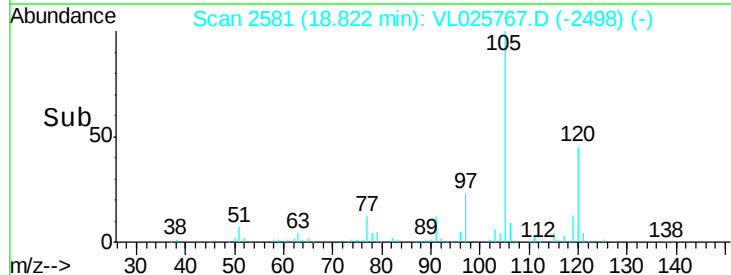
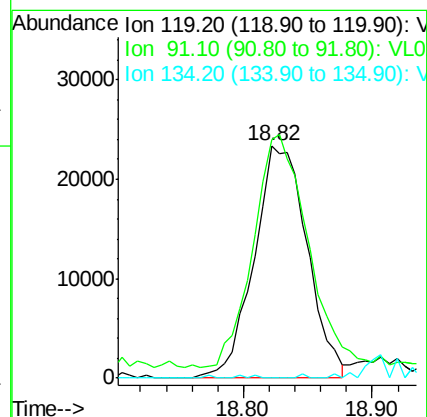
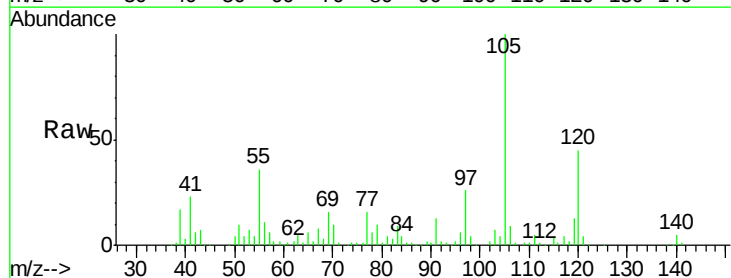
Tgt Ion:119 Resp: 66582

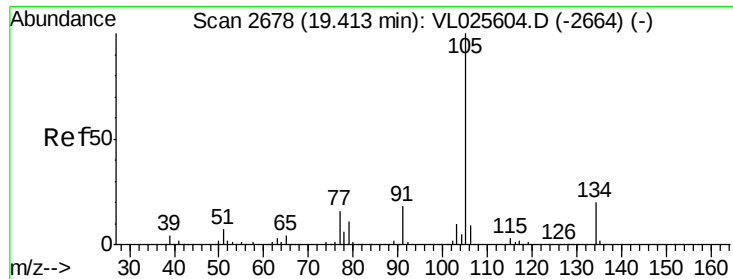
Ion Ratio Lower Upper

119 100

91 116.3 64.5 96.7#

134 0.0 17.4 26.0#





#67

sec-Butylbenzene

Concen: 0.06 ppbv

RT: 19.41 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

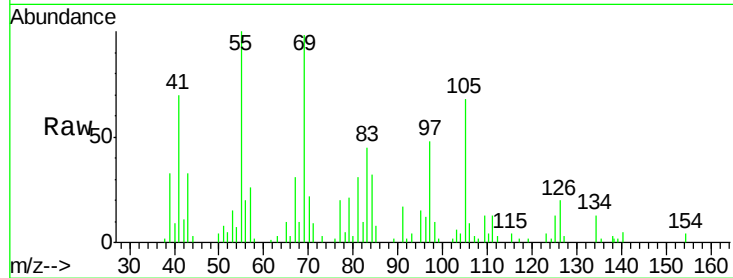
SV-1

Tot Ion:105 Resp: 42145

Ion Ratio Lower Upper

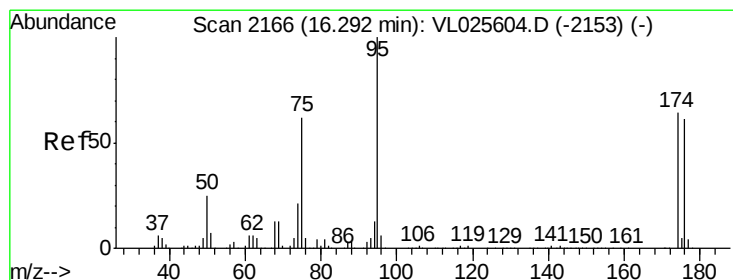
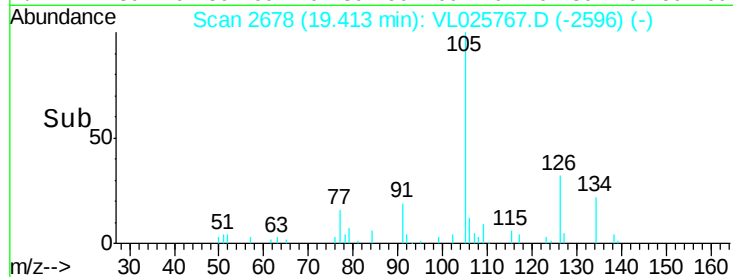
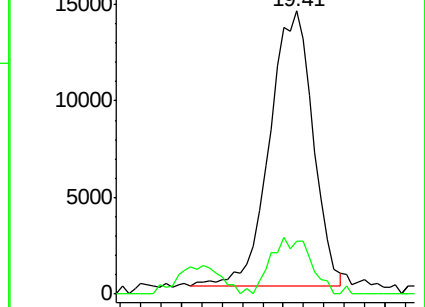
105 100

134 19.1 15.4 23.2



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: 10.12 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

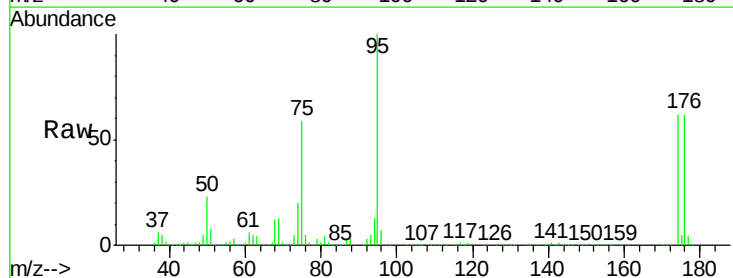
Tgt Ion: 95 Resp: 2142021

Ion Ratio Lower Upper

95 100

174 64.1 52.0 78.0

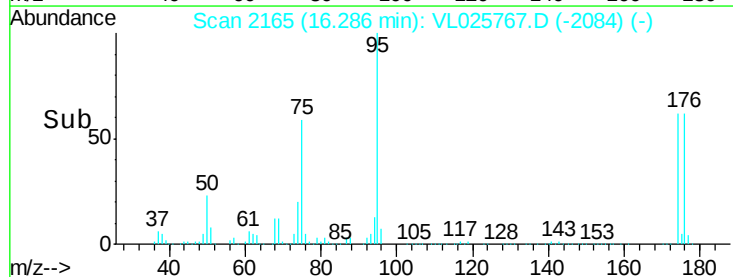
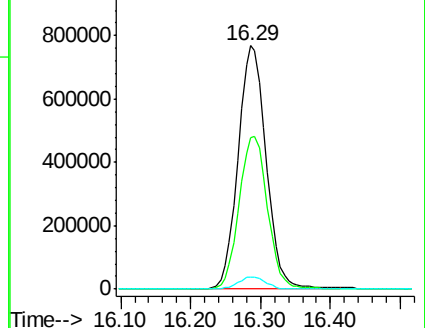
175 5.0 3.9 5.9

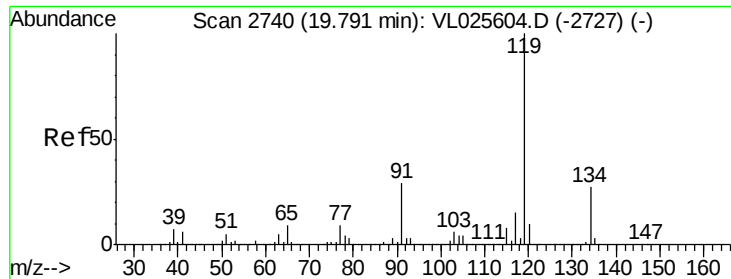


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

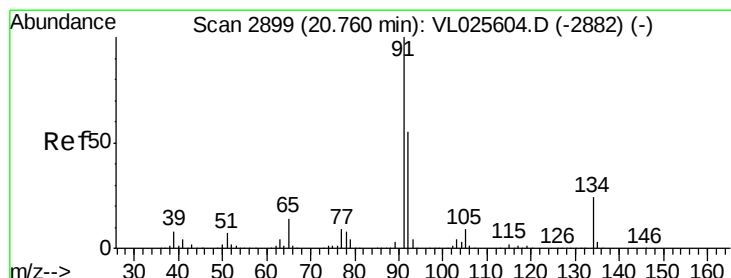
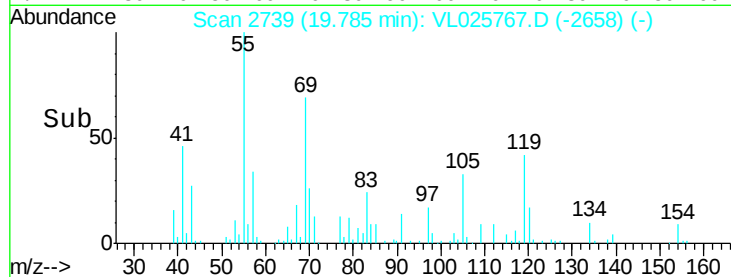
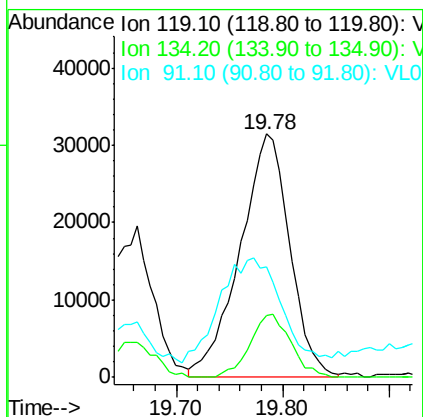
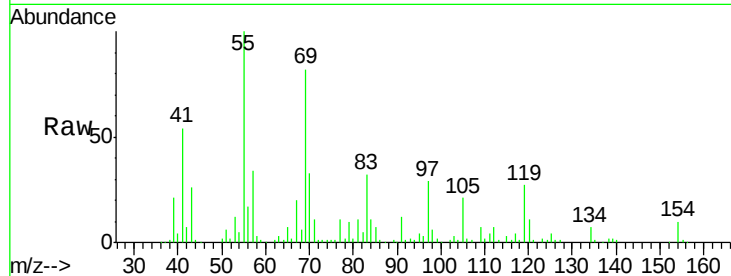




#69
 p-Isopropyltoluene
 Concen: 0.18 ppbv
 RT: 19.78 min Scan# 2739
 Delta R.T. -0.01 min
 Lab File: VL025767.D
 Acq: 28 Jul 2015 00:21

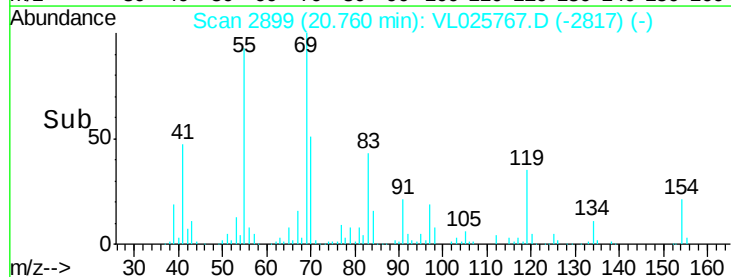
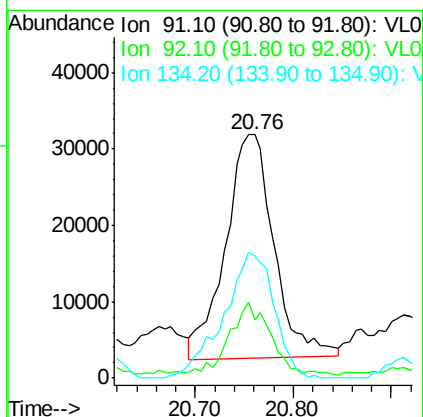
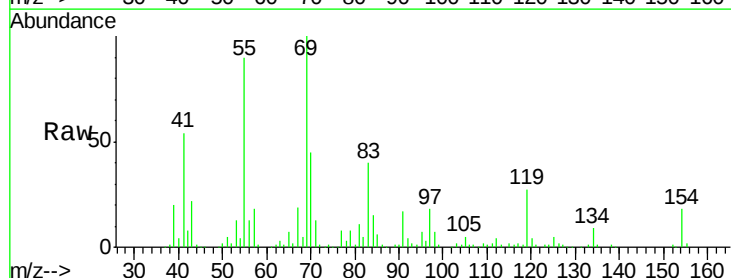
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

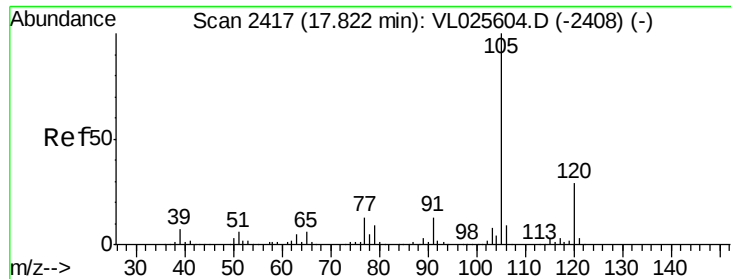
Tot Ion:119 Resp: 103000
 Ion Ratio Lower Upper
 119 100
 134 21.1 20.7 31.1
 91 51.8 22.6 34.0#



#70
 n-Butylbenzene
 Concen: 0.17 ppbv
 RT: 20.76 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VL025767.D
 Acq: 28 Jul 2015 00:21

Tgt Ion: 91 Resp: 100695
 Ion Ratio Lower Upper
 91 100
 92 32.7 44.3 66.5#
 134 58.4 19.4 29.2#





#72

4-Ethyltoluene

Concen: 0.45 ppbv

RT: 17.82 min Scan# 2417

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tot Ion:105 Resp: 193983

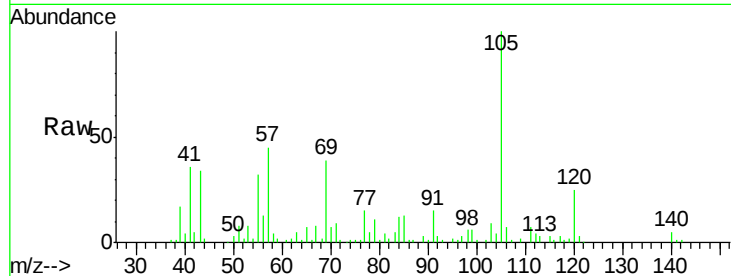
Ion Ratio Lower Upper

105 100

120 27.9 23.9 35.9

91 13.5 10.3 15.5

77 14.4 10.9 16.3

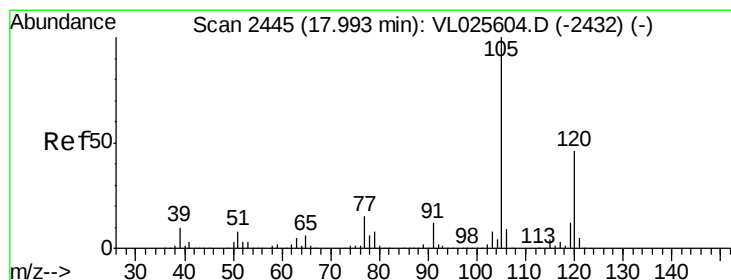
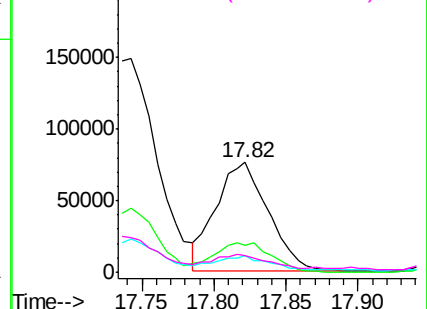
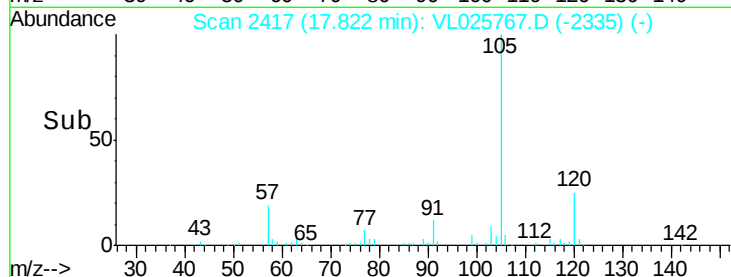


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.51 ppbv

RT: 17.99 min Scan# 2444

Delta R.T. -0.01 min

Lab File: VL025767.D

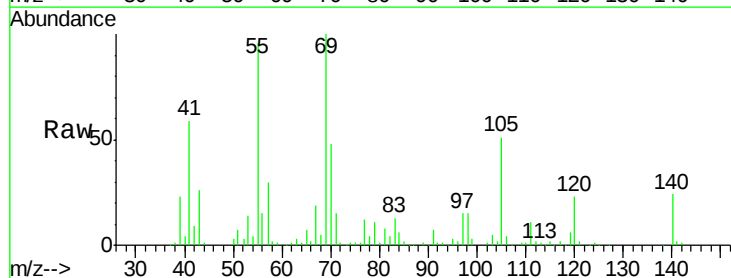
Acq: 28 Jul 2015 00:21

Tgt Ion:105 Resp: 215574

Ion Ratio Lower Upper

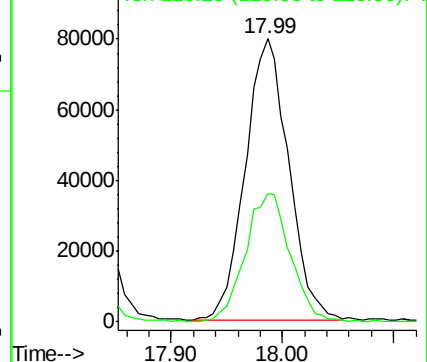
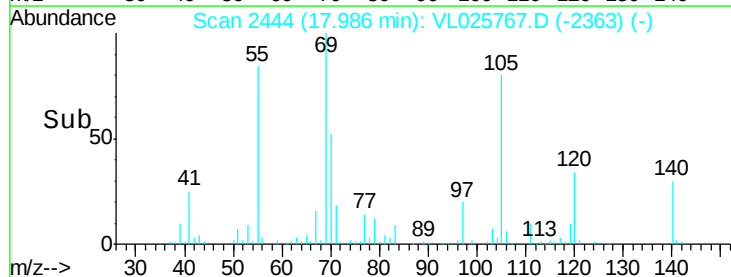
105 100

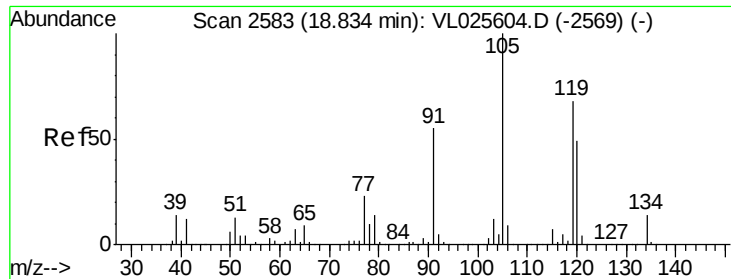
120 45.6 37.0 55.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

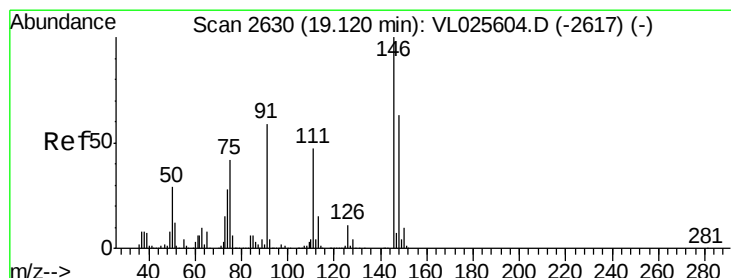
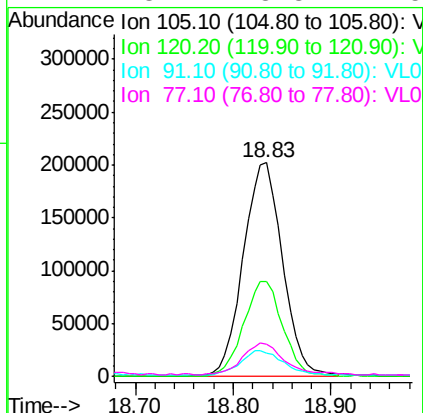
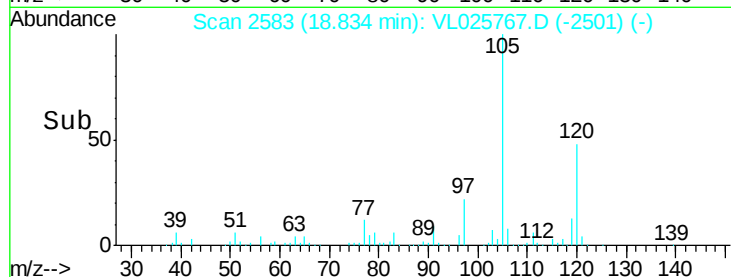
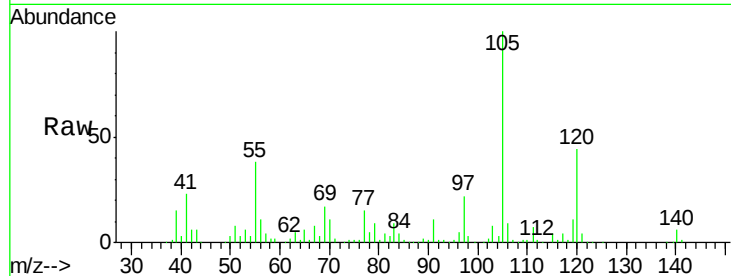




#74
 1,2,4-Trimethylbenzene
 Concen: 1.18 ppbv
 RT: 18.83 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VL025767.D
 Acq: 28 Jul 2015 00:21

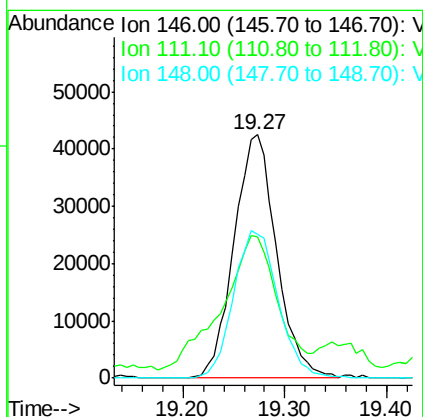
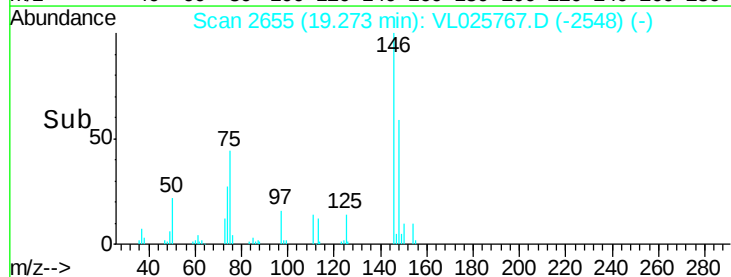
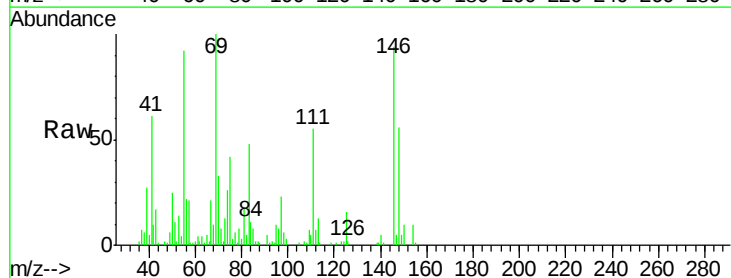
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

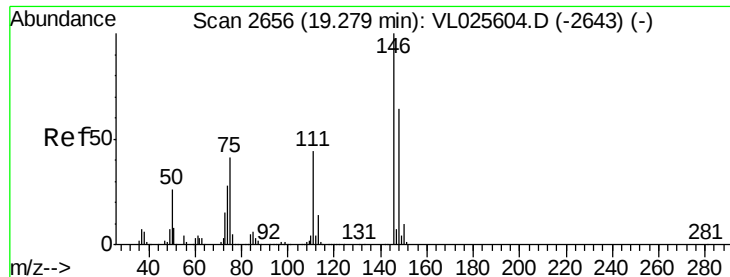
Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	39.3	58.9
91	10.4	43.8	65.6#
77	13.7	18.3	27.5#



#75
 1,3-Dichlorobenzene
 Concen: 0.40 ppbv
 RT: 19.27 min Scan# 2655
 Delta R.T. 0.15 min
 Lab File: VL025767.D
 Acq: 28 Jul 2015 00:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	69.1	22.7	68.1#
148	63.6	31.8	95.3





#76

1,4-Dichlorobenzene

Concen: 0.40 ppbv

RT: 19.27 min Scan# 2655

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

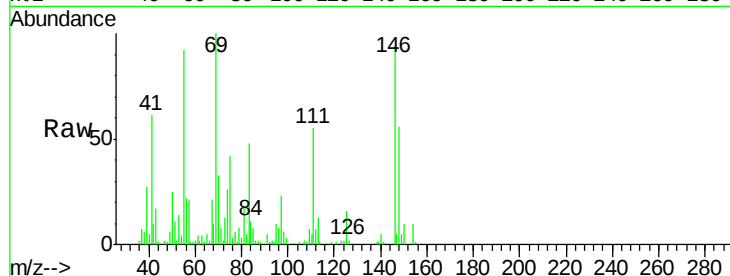
Tot Ion:146 Resp: 123103

Ion Ratio Lower Upper

146 100

111 91.9 22.1 66.1#

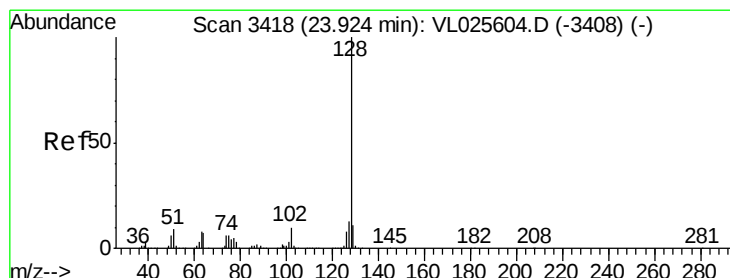
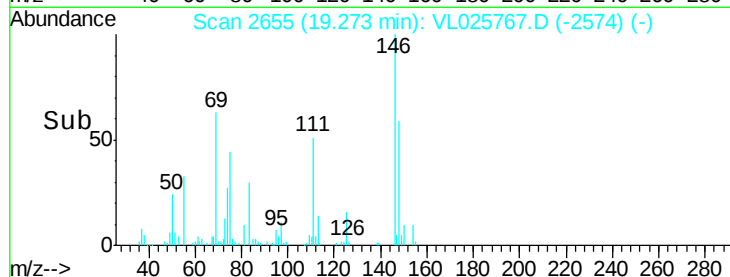
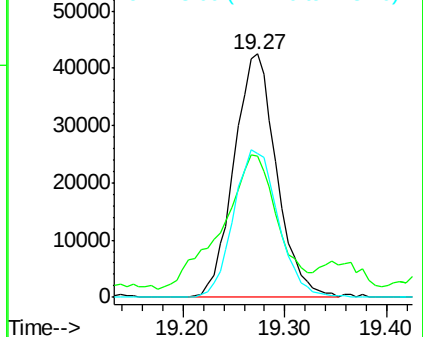
148 63.6 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 0.18 ppbv

RT: 23.92 min Scan# 3418

Delta R.T. -0.00 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

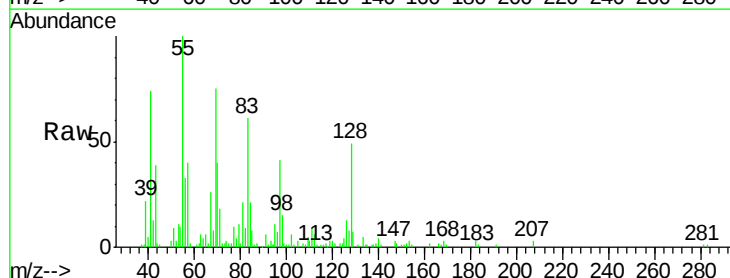
Tgt Ion:128 Resp: 84640

Ion Ratio Lower Upper

128 100

127 15.4 10.8 16.2

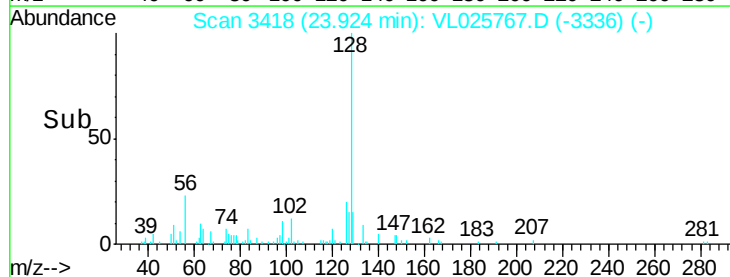
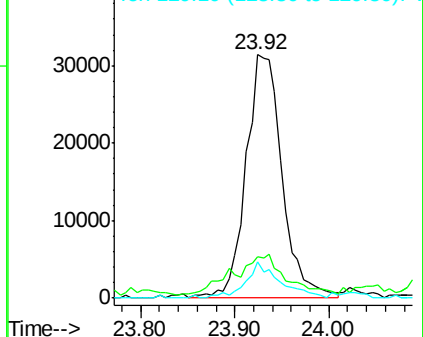
129 14.9 9.0 13.4#

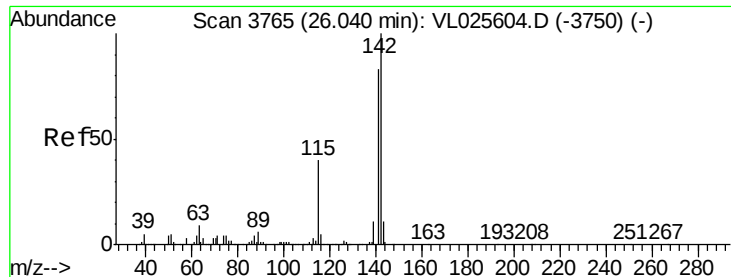


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.13 ppbv

RT: 26.03 min Scan# 3764

Delta R.T. -0.01 min

Lab File: VL025767.D

Acq: 28 Jul 2015 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV-1

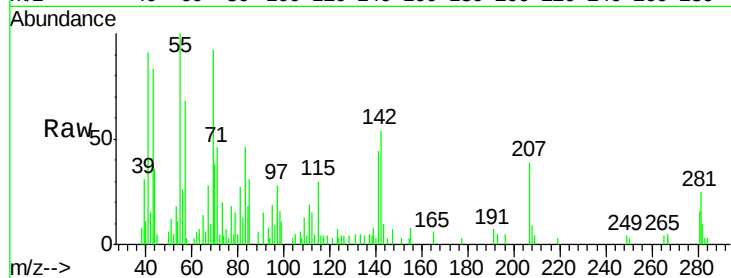
Tot Ion:142 Resp: 17515

Ion Ratio Lower Upper

142 100

141 97.7 67.1 100.7

115 64.5 33.9 50.9#



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

