

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
 Data File : VL025611.D
 Acq On : 7 Jul 2015 15:54
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV070715

Quant Time: Jul 07 16:30:58 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 07 15:16:09 2015
 QLast Update : Tue Jul 07 15:16:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	650809	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1753527	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2792127	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.30	95	1926937	8.18	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.64	85	1505230	8.93	ppbv	97
3) Chlorodifluoromethane	3.57	51	731710	7.98	ppbv	99
4) Chloromethane	3.75	50	331794	7.93	ppbv	99
5) Vinyl Chloride	3.89	62	370235	8.19	ppbv	99
6) Bromomethane	4.15	94	312756	8.53	ppbv	93
7) Chloroethane	4.25	64	173599	8.25	ppbv	95
8) Dichlorotetrafluoroethane	3.81	85	1201682	8.13	ppbv	100
9) Propene	3.60	41	253625	8.32	ppbv	99
10) Heptane	9.36	43	1055573	8.90	ppbv	98
11) Trichlorofluoromethane	4.70	101	1876736	8.58	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1050735	8.38	ppbv	99
13) Ethanol	4.34	45	29734	6.28	ppbv	98
14) Bromoethene	4.45	108	336662	8.18	ppbv	97
15) Acetone	4.60	43	960828	8.36	ppbv	100
16) 1,3-Butadiene	3.97	39	382275	8.35	ppbv	100
17) tert-Butyl alcohol	5.13	59	799193	8.28	ppbv	100
18) 1,1-Dichloroethene	5.09	96	396302	8.25	ppbv	99
19) Isopropyl Alcohol	4.75	45	335918	7.32	ppbv #	97
20) Methylene Chloride	5.15	84	367737	7.87	ppbv	93
21) Allyl Chloride	5.23	41	575540	8.00	ppbv	96
22) trans-1,2-Dichloroethene	5.77	96	401126	8.18	ppbv	98
23) Vinyl Acetate	5.99	43	1549412	8.89	ppbv	99
24) 1,1-Dichloroethane	5.92	63	984811	8.43	ppbv	99
25) Ethyl Acetate	6.68	43	1505960	8.66	ppbv	99
26) Hexane	6.67	57	718792	8.78	ppbv	98
27) Carbon Disulfide	5.39	76	1128742	8.51	ppbv	100
28) Methyl tert-Butyl Ether	5.96	73	1444514	8.87	ppbv	99
29) Chloroform	6.76	83	1364856	8.44	ppbv	99
30) Cyclohexane	8.29	84	690551	8.82	ppbv	99
31) cis-1,2-Dichloroethene	6.53	61	726345	8.92	ppbv	97
32) 1,1,1-Trichloroethane	7.60	97	1546867	9.11	ppbv	100
34) 2-Butanone	6.20	43	892418	8.97	ppbv	99
35) Carbon Tetrachloride	8.17	117	1652230	8.84	ppbv	100
36) Benzene	8.03	78	1498275	8.92	ppbv	99
37) 1,2-Dichloroethane	7.38	62	1232352	8.59	ppbv	100
38) Trichloroethene	9.07	130	696054	8.91	ppbv	99
39) 1,2-Dichloropropane	8.84	63	532998	8.59	ppbv	95
40) 1,4-Dioxane	9.12	88	104250	10.72	ppbv #	30
41) Tetrahydrofuran	7.12	42	449049	9.04	ppbv	98
42) Bromodichloromethane	9.04	83	1565312	9.05	ppbv	99
43) Methyl Methacrylate	9.27	69	620522	9.63	ppbv	98

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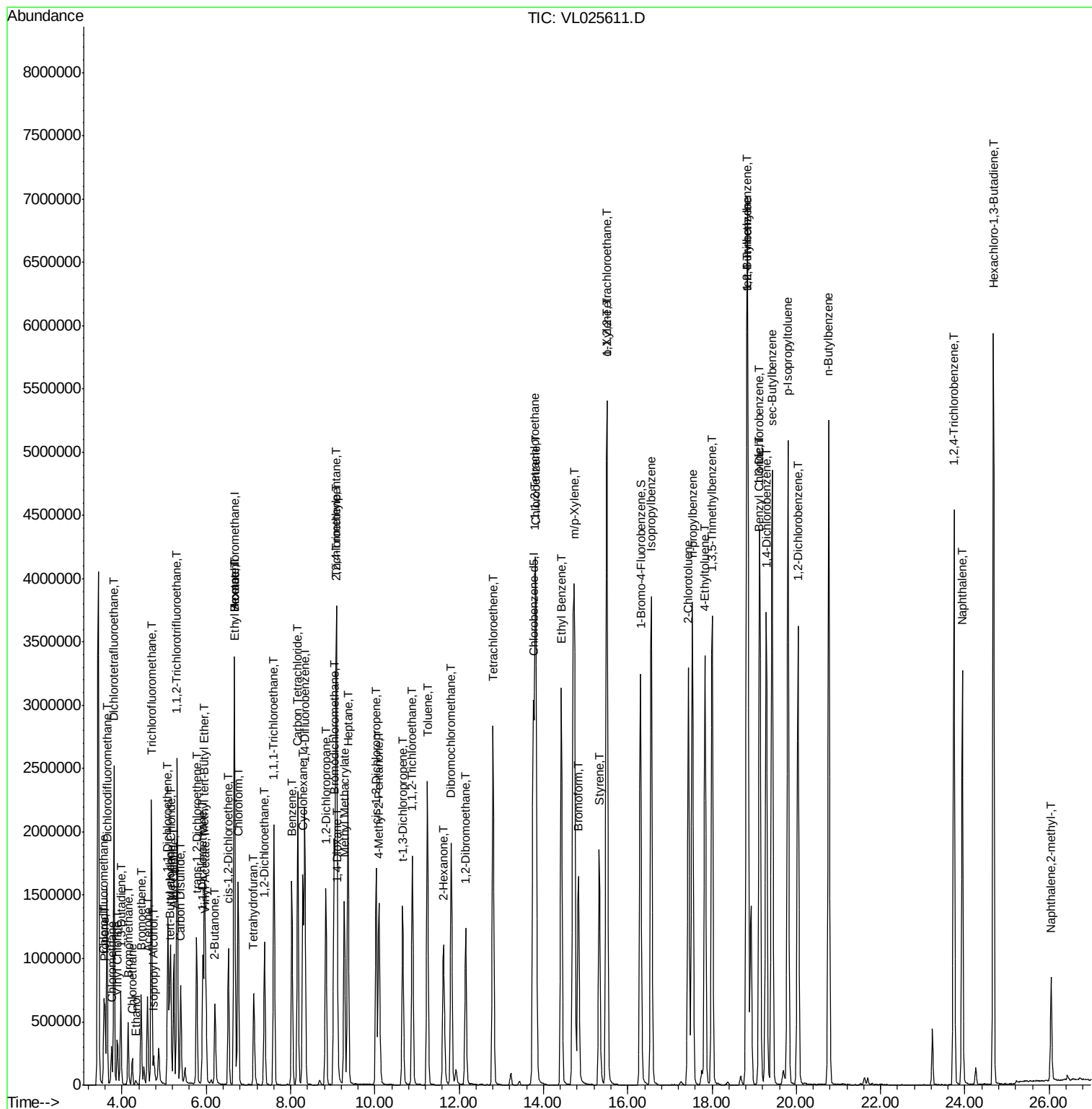
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2581110	8.96	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	1013298	9.35	ppbv	99
46) cis-1,3-Dichloropropene	10.03	75	1134681	9.47	ppbv	99
47) 1,1,2-Trichloroethane	10.89	97	755438	8.75	ppbv	99
48) Dibromochloromethane	11.81	129	1414156	9.16	ppbv	98
49) Bromoform	14.83	173	1161842	9.12	ppbv	99
50) 4-Methyl-2-Pentanone	10.10	43	1370238	9.56	ppbv	100
51) 2-Hexanone	11.63	43	1319426	10.26	ppbv #	98
52) Tetrachloroethene	12.80	164	789583	9.37	ppbv	97
53) Toluene	11.25	91	2249190	9.53	ppbv	99
54) 1,2-Dibromoethane	12.15	107	1231130	8.82	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.80	131	1063755	7.05	ppbv	99
57) Chlorobenzene	13.82	112	2013578	6.78	ppbv	98
58) Ethyl Benzene	14.43	91	3524849	7.64	ppbv	99
59) m/p-Xylene	14.73	91	5891054	14.54	ppbv	99
60) o-Xylene	15.51	91	3113120	7.13	ppbv	100
61) Styrene	15.32	104	1330400	8.70	ppbv	99
62) Isopropylbenzene	16.56	105	4176531	7.32	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.50	83	1953587	6.62	ppbv	100
64) n-propylbenzene	17.54	120	1138723	7.38	ppbv	98
65) tert-Butylbenzene	18.83	119	3953049	7.06	ppbv	99
66) Benzyl Chloride	19.11	91	1220000	5.94	ppbv	100
67) sec-Butylbenzene	19.43	105	5642810	7.19	ppbv	100
69) p-Isopropyltoluene	19.80	119	4900119	7.58	ppbv	100
70) n-Butylbenzene	20.77	91	4852356	7.40	ppbv	99
71) 2-Chlorotoluene	17.44	91	3181190	7.60	ppbv	99
72) 4-Ethyltoluene	17.83	105	3682948	7.63	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	3557902	7.50	ppbv	98
74) 1,2,4-Trimethylbenzene	18.85	105	3726240	7.02	ppbv	98
75) 1,3-Dichlorobenzene	19.13	146	2368333	6.85	ppbv	100
76) 1,4-Dichlorobenzene	19.28	146	2428923	7.01	ppbv	99
77) 1,2-Dichlorobenzene	20.04	146	2360009	6.88	ppbv	99
78) Hexachloro-1,3-Butadiene	24.68	225	1333930	6.32	ppbv	99
79) Naphthalene	23.94	128	3404936	6.64	ppbv	99
80) Naphthalene,2-methyl-	26.05	142	584866	3.92	ppbv	99
81) 1,2,4-Trichlorobenzene	23.74	180	1764598	7.17	ppbv	100

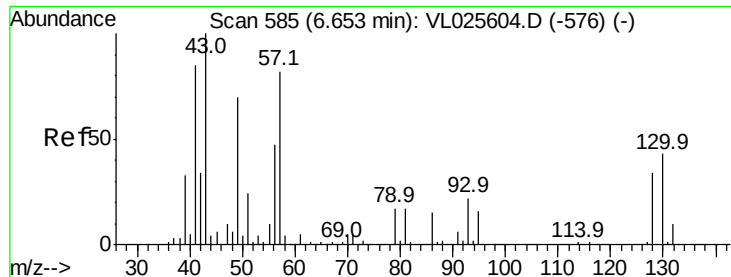
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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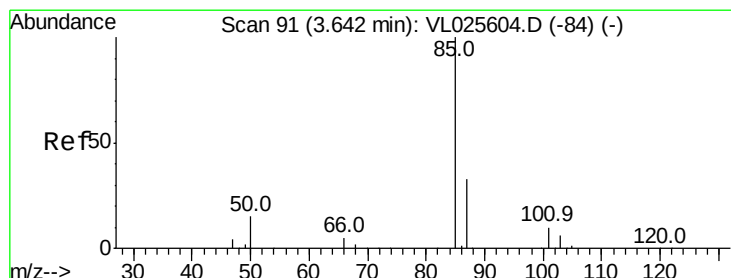
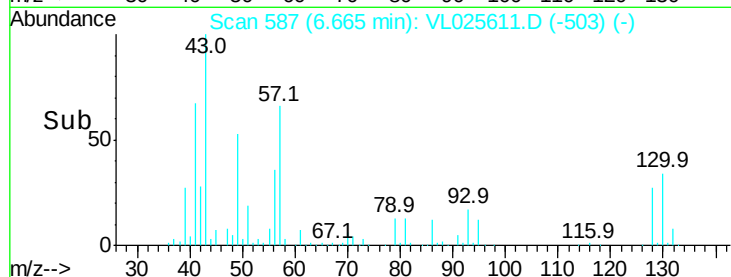
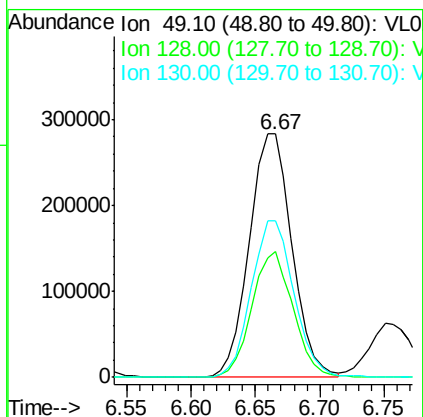
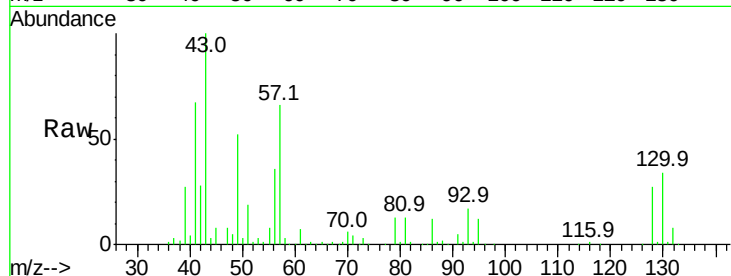




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.67 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

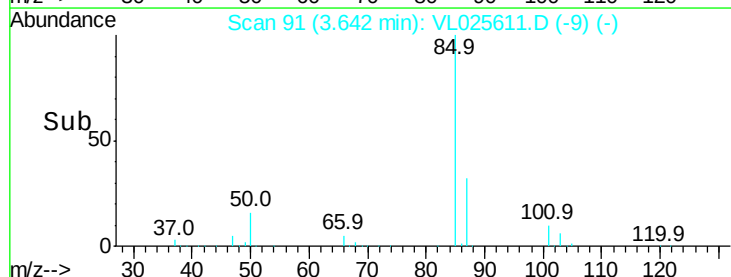
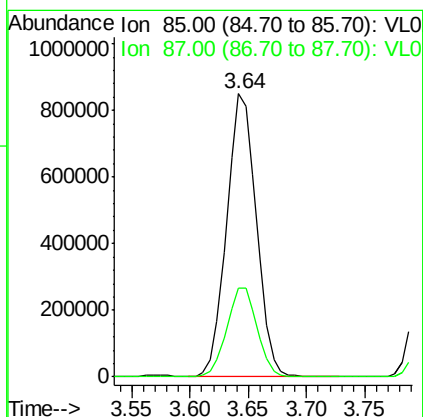
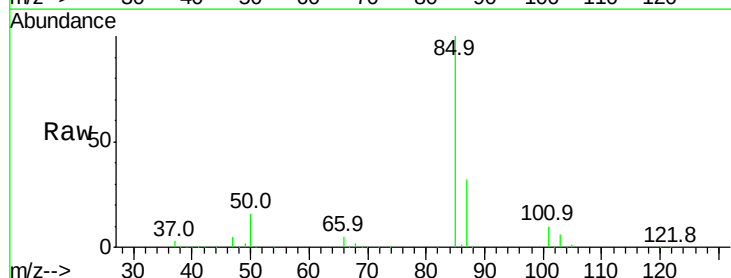
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV070715

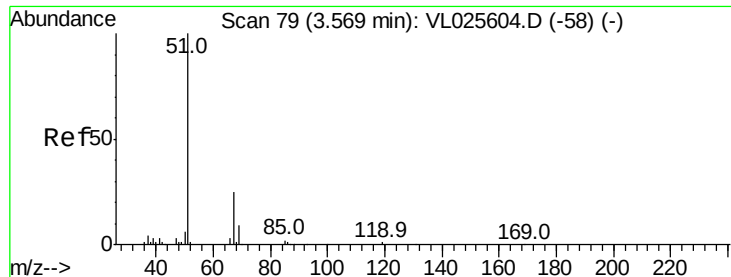
Tgt Ion: 49 Resp: 650809
 Ion Ratio Lower Upper
 49 100
 128 50.4 25.4 76.0
 130 64.8 31.9 95.9



#2
 Dichlorodifluoromethane
 Concen: 8.93 ppbv
 RT: 3.64 min Scan# 91
 Delta R.T. -0.00 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Tgt Ion: 85 Resp: 1505230
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.5 39.7





#3

Chlorodifluoromethane

Concen: 7.98 ppbv

RT: 3.57 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

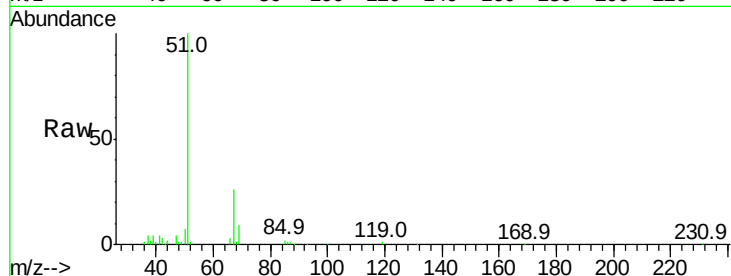
ICVVL070715

Tgt Ion: 51 Resp: 731710

Ion Ratio Lower Upper

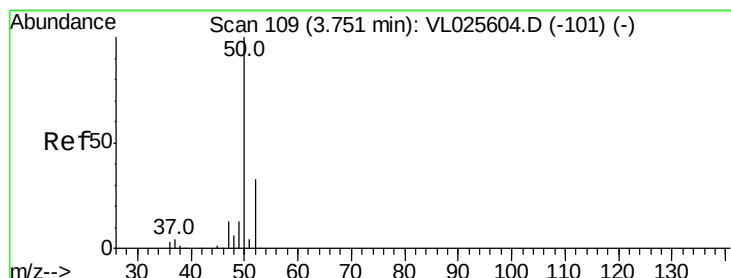
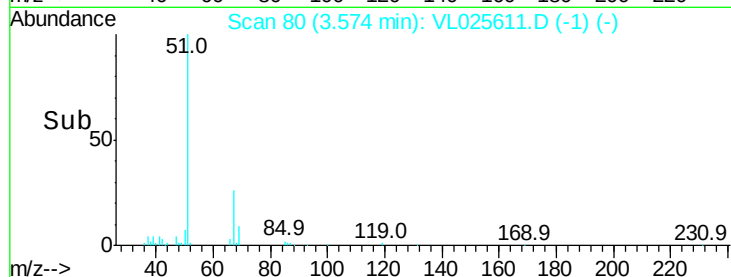
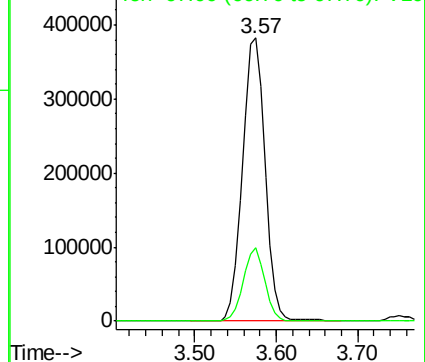
51 100

67 24.8 19.5 29.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.93 ppbv

RT: 3.75 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL025611.D

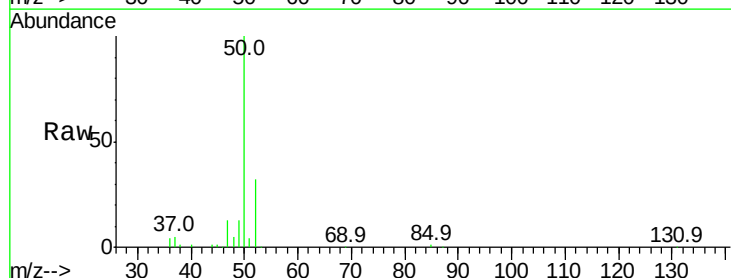
Acq: 7 Jul 2015 15:54

Tgt Ion: 50 Resp: 331794

Ion Ratio Lower Upper

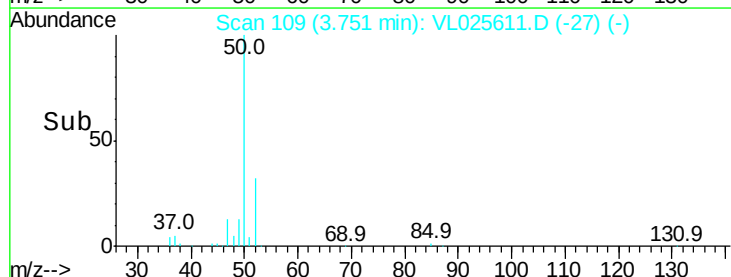
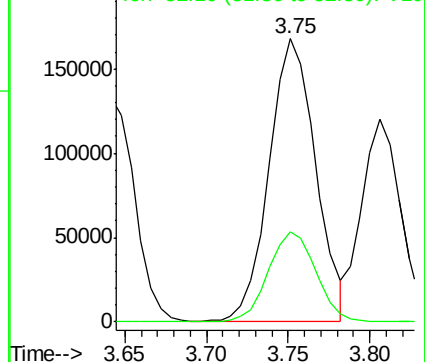
50 100

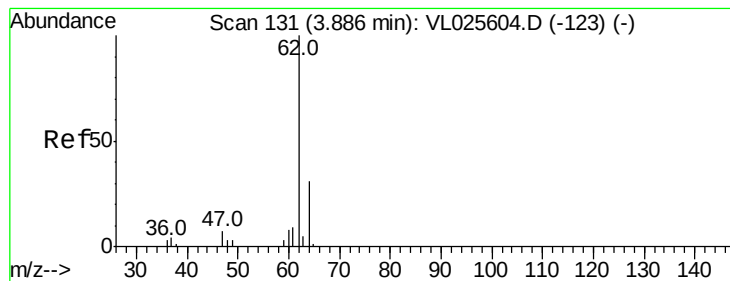
52 32.2 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.19 ppbv

RT: 3.89 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

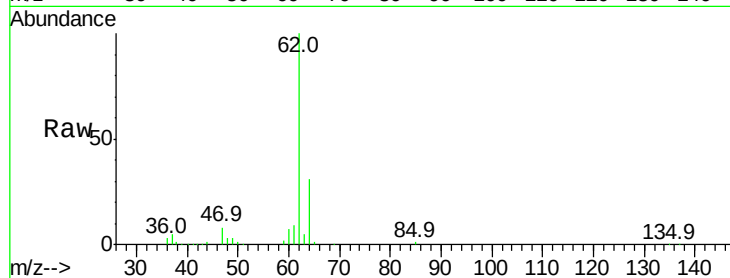
ICVVL070715

Tgt Ion: 62 Resp: 370235

Ion Ratio Lower Upper

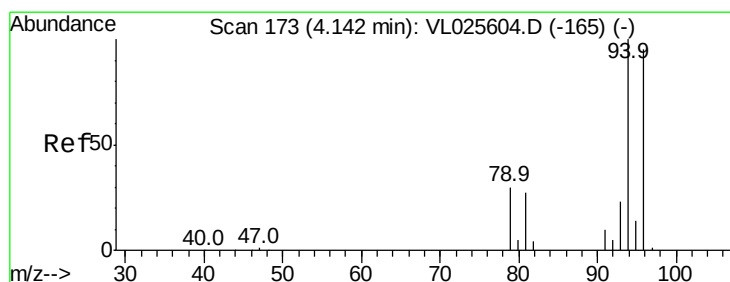
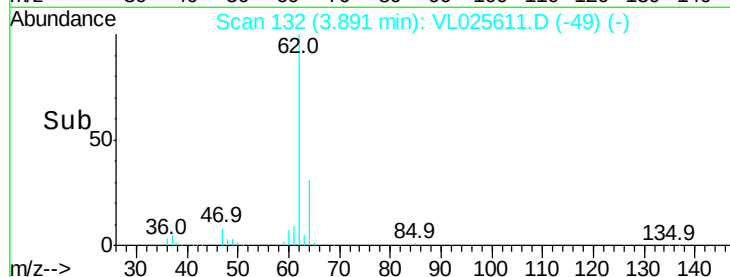
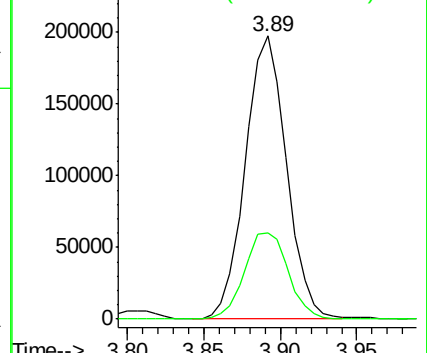
62 100

64 30.6 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.53 ppbv

RT: 4.15 min Scan# 174

Delta R.T. 0.01 min

Lab File: VL025611.D

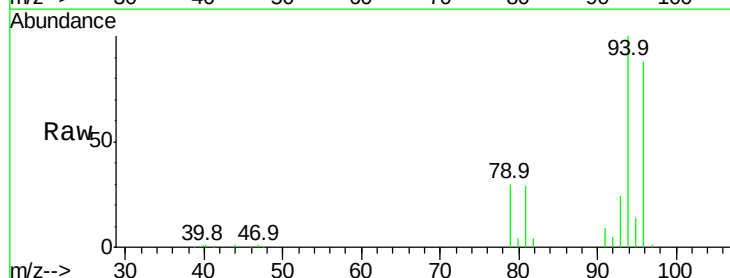
Acq: 7 Jul 2015 15:54

Tgt Ion: 94 Resp: 312756

Ion Ratio Lower Upper

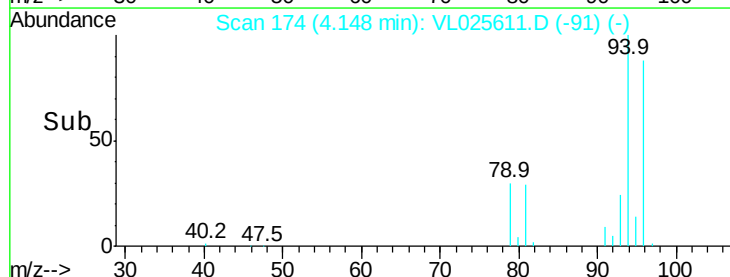
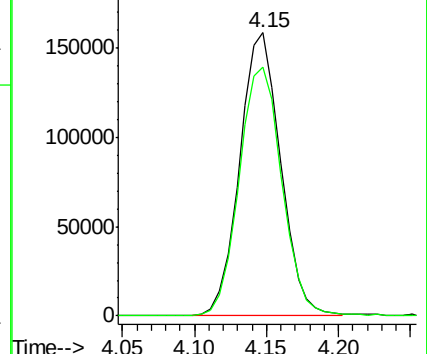
94 100

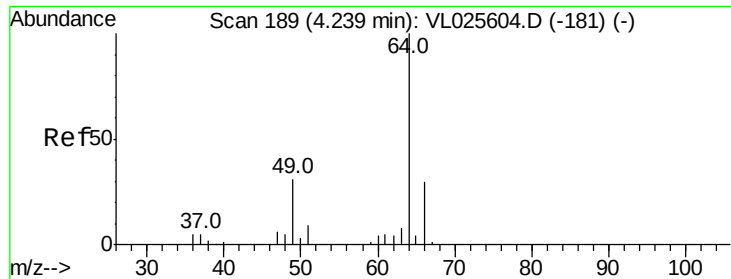
96 87.9 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.25 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

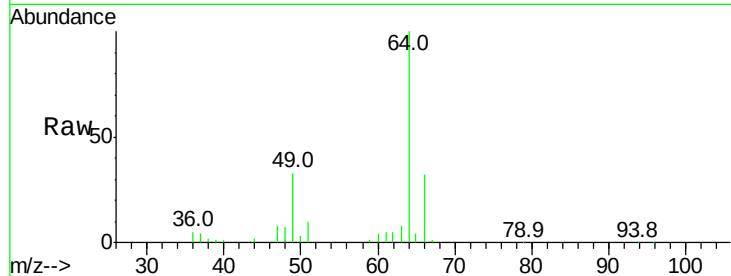
ICVVL070715

Tgt Ion: 64 Resp: 173599

Ion Ratio Lower Upper

64 100

66 32.3 23.8 35.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.25

80000

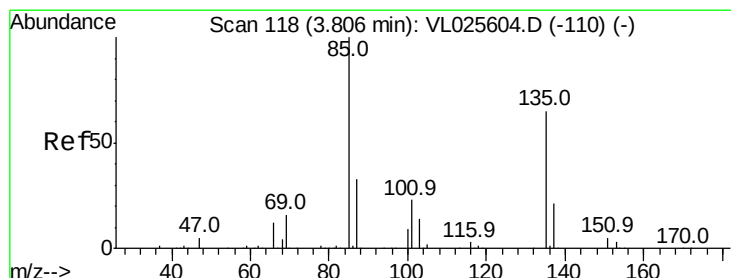
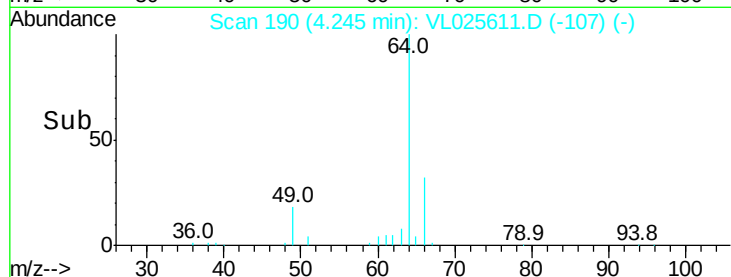
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.13 ppbv

RT: 3.81 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL025611.D

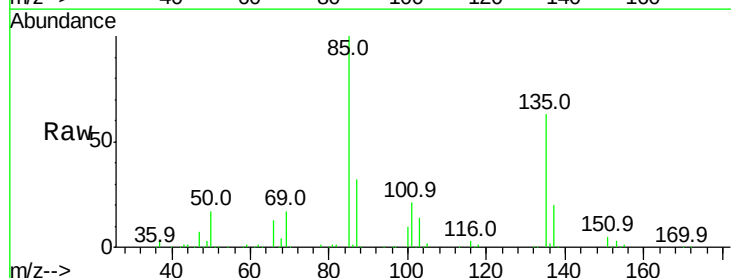
Acq: 7 Jul 2015 15:54

Tgt Ion: 85 Resp: 1201682

Ion Ratio Lower Upper

85 100

135 65.6 52.2 78.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.81

800000

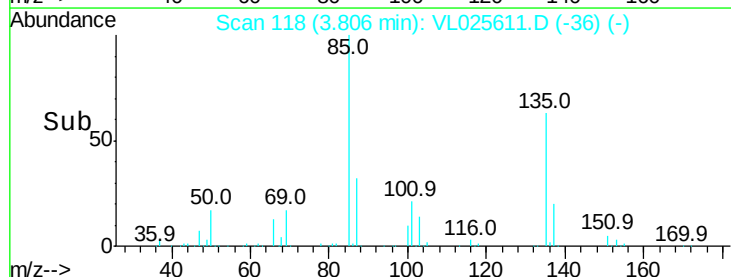
600000

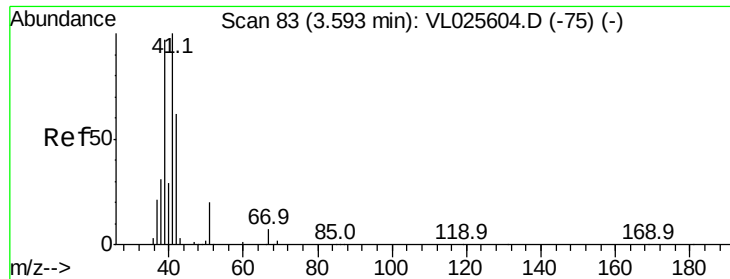
400000

200000

0

Time-->





#9

Propene

Concen: 8.32 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

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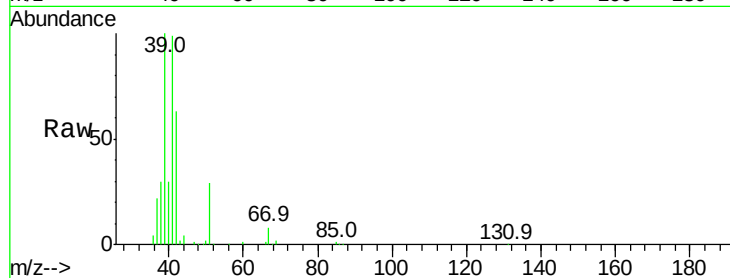
ICVVL070715

Tgt Ion: 41 Resp: 253625

Ion Ratio Lower Upper

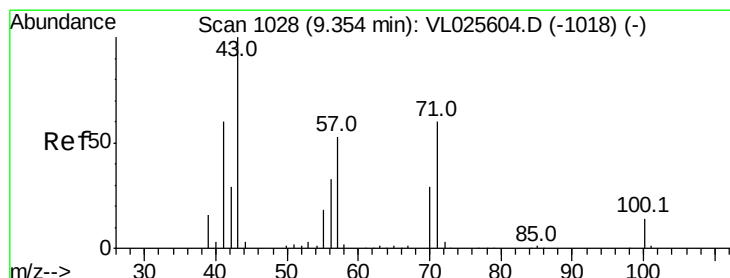
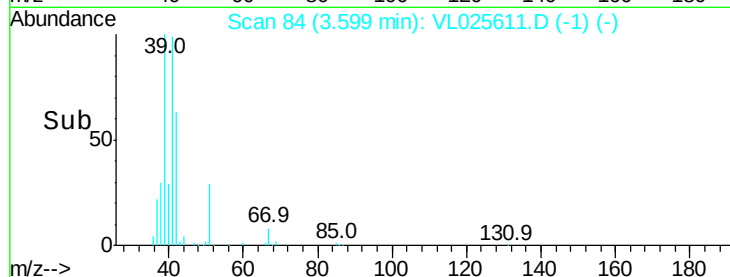
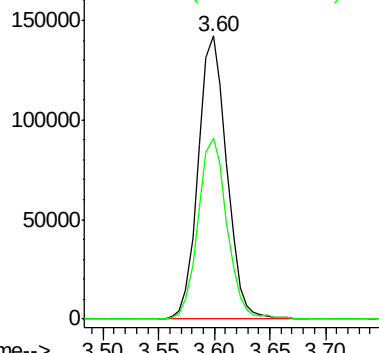
41 100

42 64.7 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: 8.90 ppbv

RT: 9.36 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VL025611.D

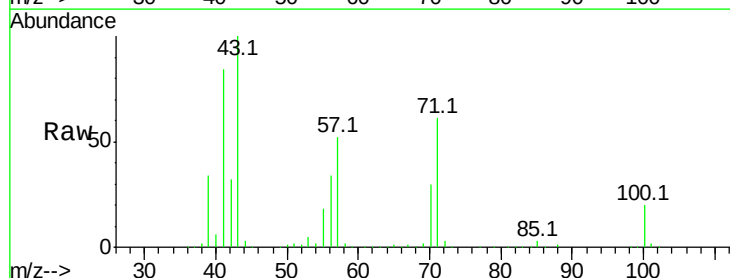
Acq: 7 Jul 2015 15:54

Tgt Ion: 43 Resp: 1055573

Ion Ratio Lower Upper

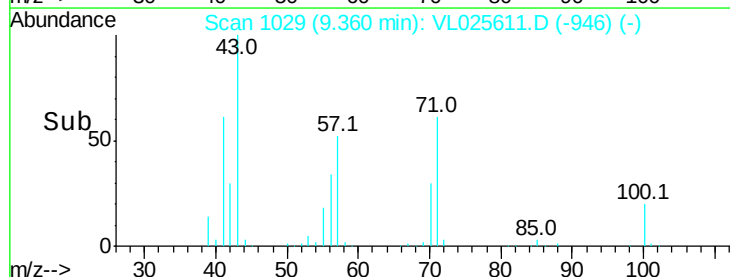
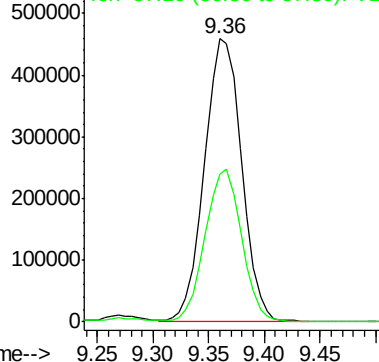
43 100

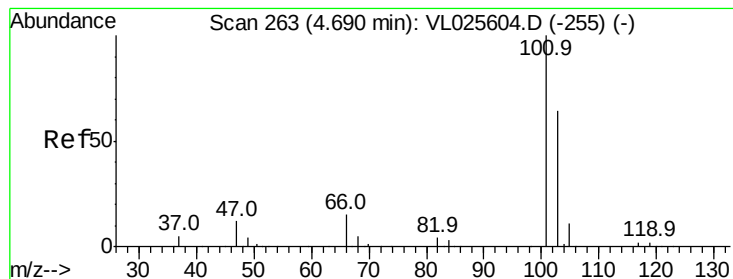
57 54.9 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.58 ppbv

RT: 4.70 min Scan# 264

Delta R.T. 0.01 min

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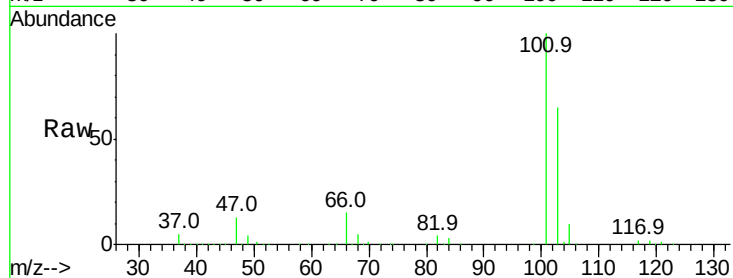
ICVVL070715

Tgt Ion:101 Resp: 1876736

Ion Ratio Lower Upper

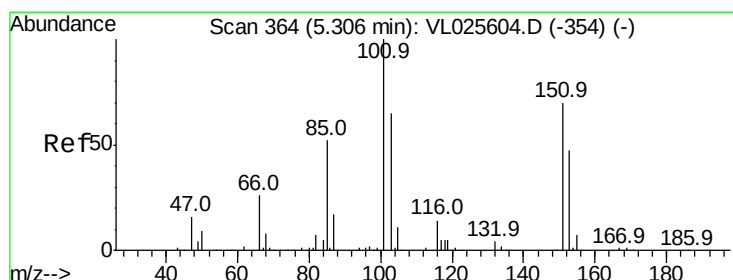
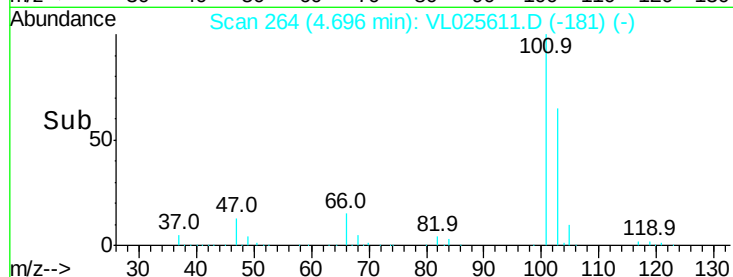
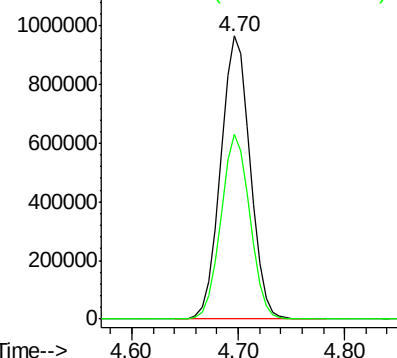
101 100

103 65.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.38 ppbv

RT: 5.31 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL025611.D

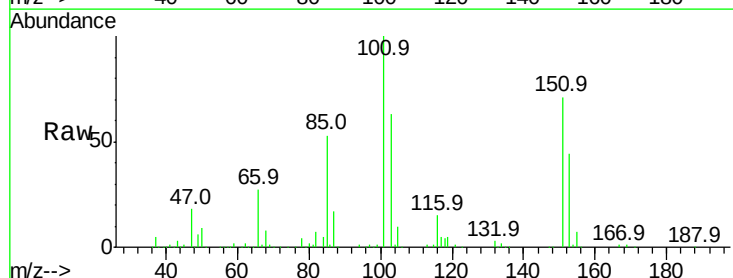
Acq: 7 Jul 2015 15:54

Tgt Ion:101 Resp: 1050735

Ion Ratio Lower Upper

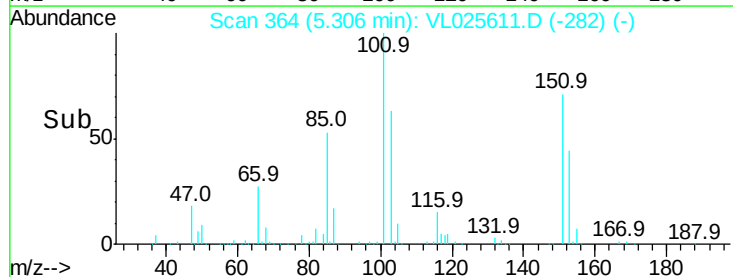
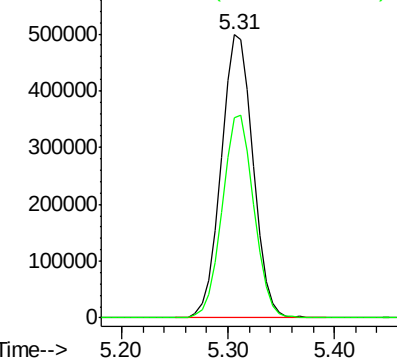
101 100

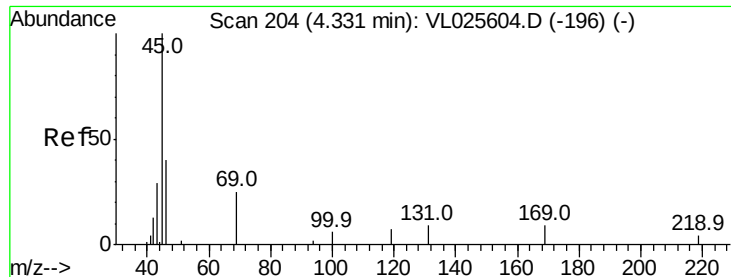
151 71.0 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.28 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

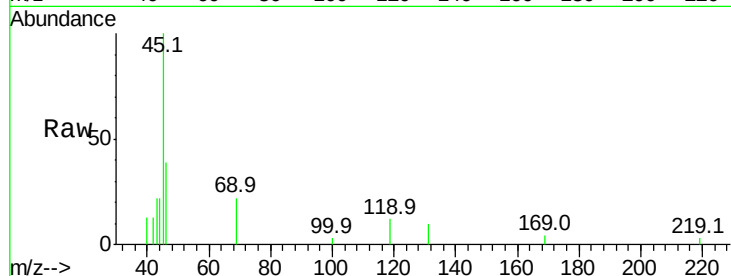
ICVVL070715

Tgt Ion: 45 Resp: 29734

Ion Ratio Lower Upper

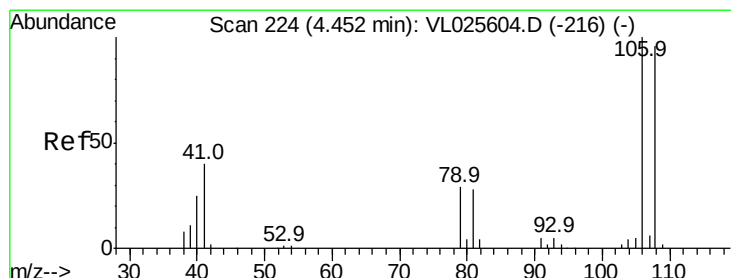
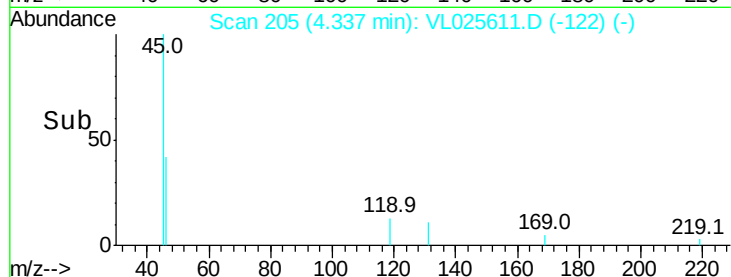
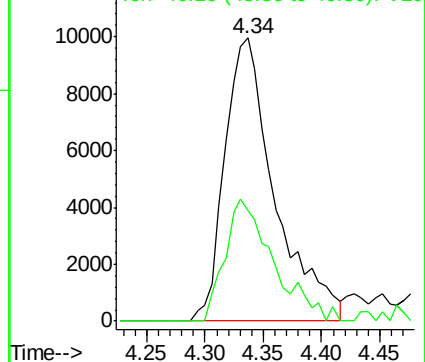
45 100

46 41.5 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 8.18 ppbv

RT: 4.45 min Scan# 224

Delta R.T. -0.00 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

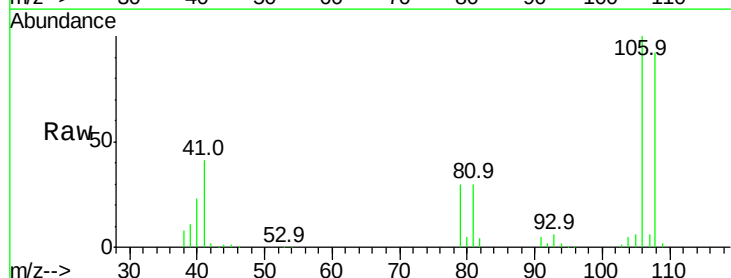
Tgt Ion: 108 Resp: 336662

Ion Ratio Lower Upper

108 100

106 109.7 85.7 128.5

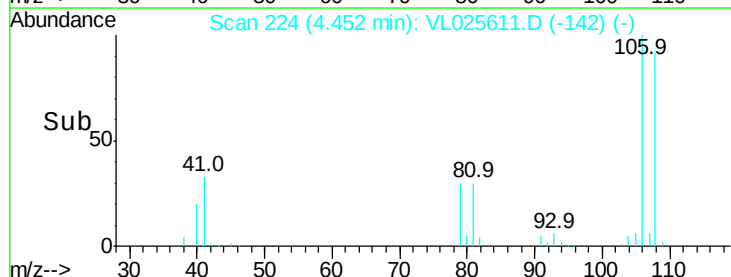
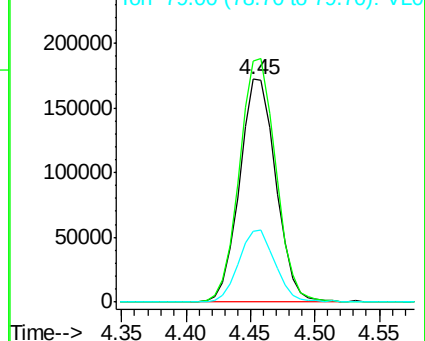
79 32.5 24.6 36.8

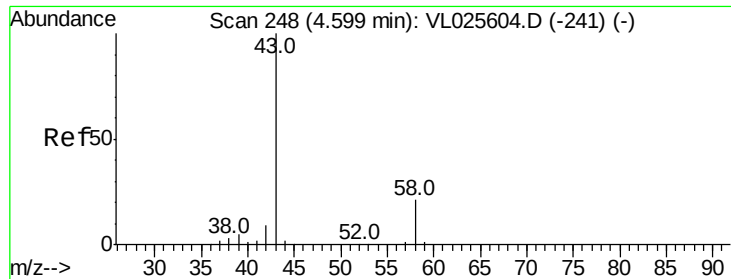


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.36 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

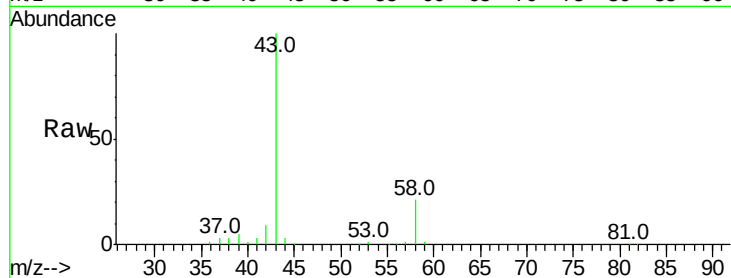
ICVVL070715

Tgt Ion: 43 Resp: 960828

Ion Ratio Lower Upper

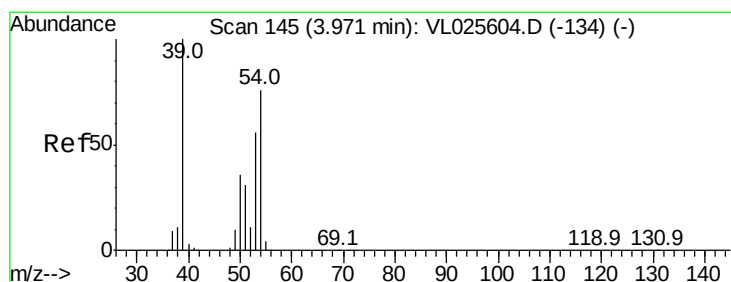
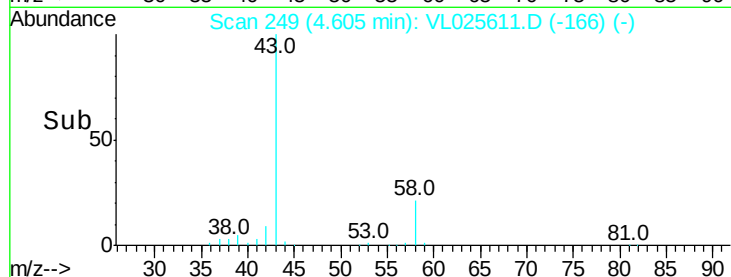
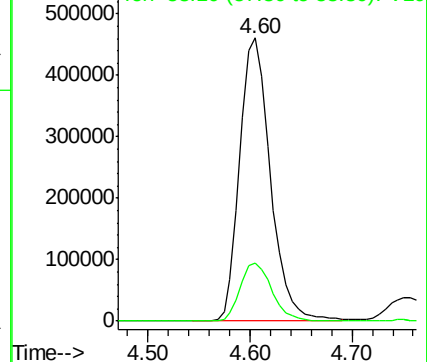
43 100

58 21.6 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.35 ppbv

RT: 3.97 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL025611.D

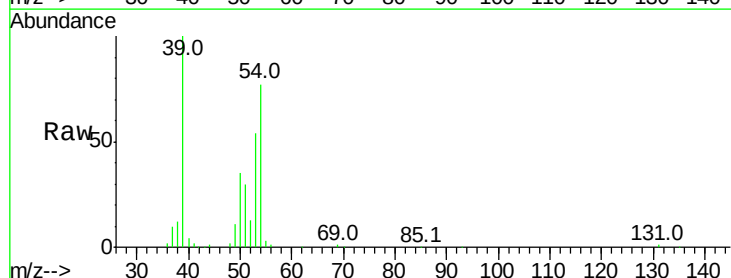
Acq: 7 Jul 2015 15:54

Tgt Ion: 39 Resp: 382275

Ion Ratio Lower Upper

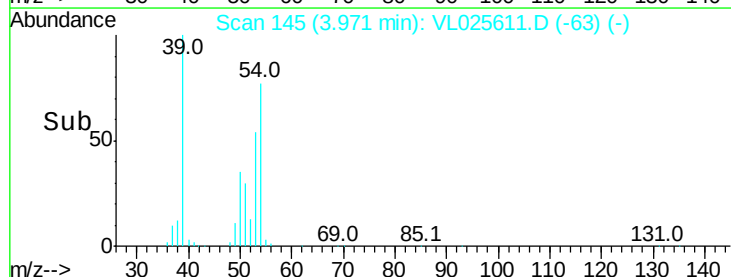
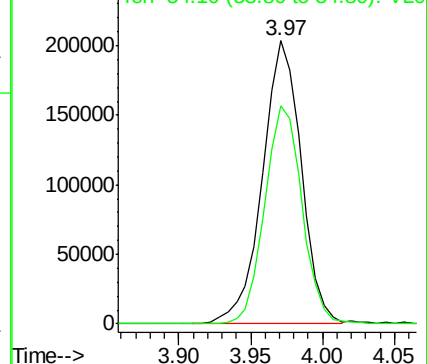
39 100

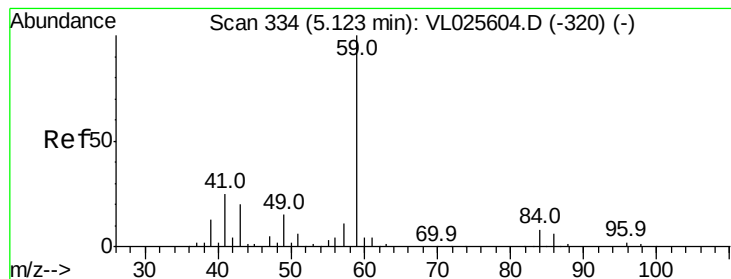
54 73.8 59.3 88.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 8.28 ppbv

RT: 5.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

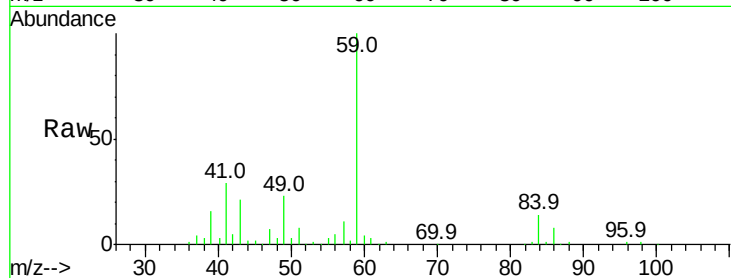
ICVVL070715

Tgt Ion: 59 Resp: 799193

Ion Ratio Lower Upper

59 100

57 11.7 9.4 14.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.13

250000

200000

150000

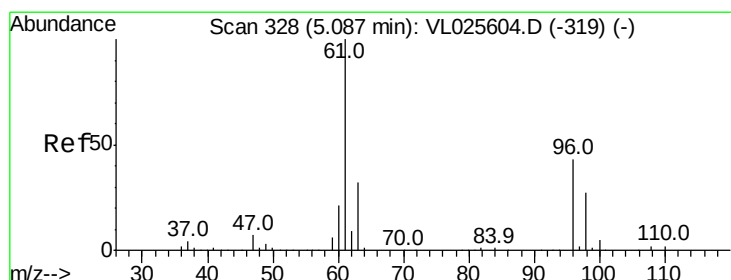
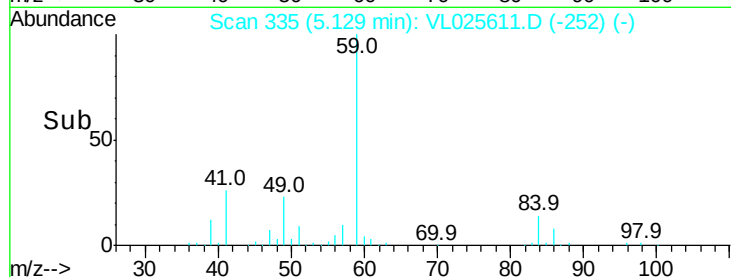
100000

50000

0

Time-->

5.00 5.10 5.20 5.30



#18

1,1-Dichloroethene

Concen: 8.25 ppbv

RT: 5.09 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

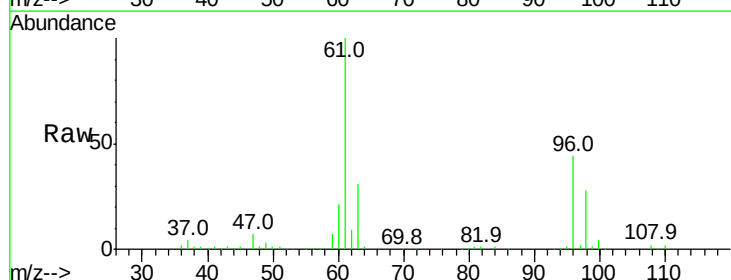
Tgt Ion: 96 Resp: 396302

Ion Ratio Lower Upper

96 100

61 228.7 184.1 276.1

98 64.8 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

600000

500000

400000

300000

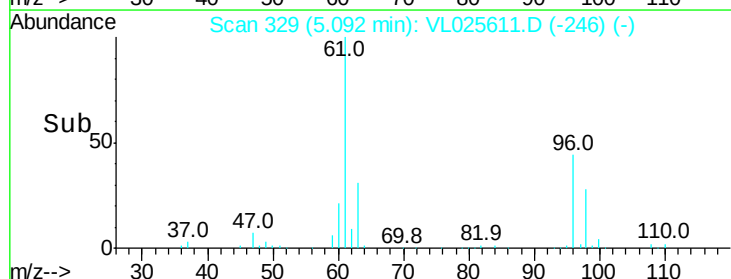
200000

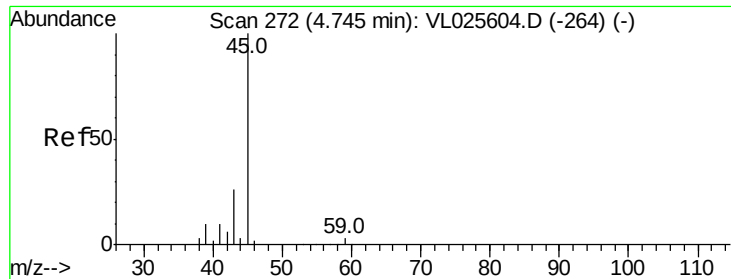
100000

0

Time-->

5.00 5.05 5.10 5.15





#19

Isopropyl Alcohol

Concen: 7.32 ppbv

RT: 4.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

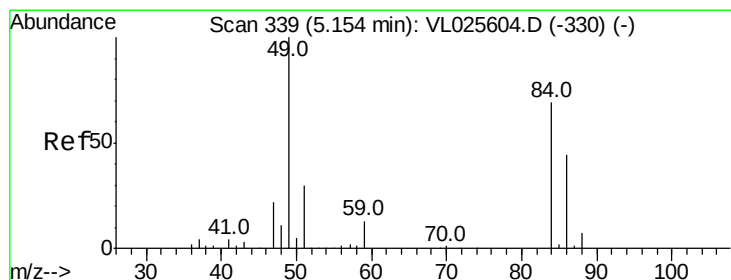
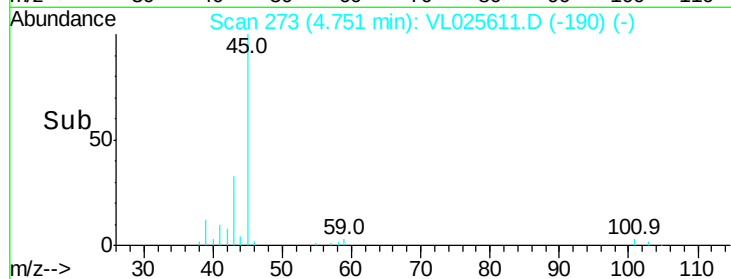
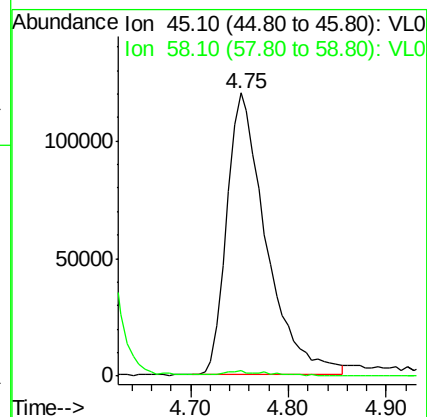
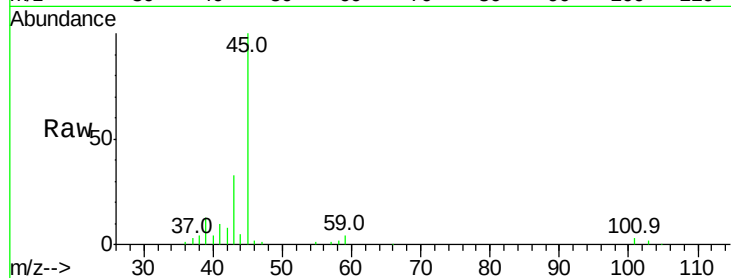
ICVVL070715

Tgt Ion: 45 Resp: 335918

Ion Ratio Lower Upper

45 100

58 2.4 1.1 1.7#



#20

Methylene Chloride

Concen: 7.87 ppbv

RT: 5.15 min Scan# 339

Delta R.T. -0.00 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Tgt Ion: 84 Resp: 367737

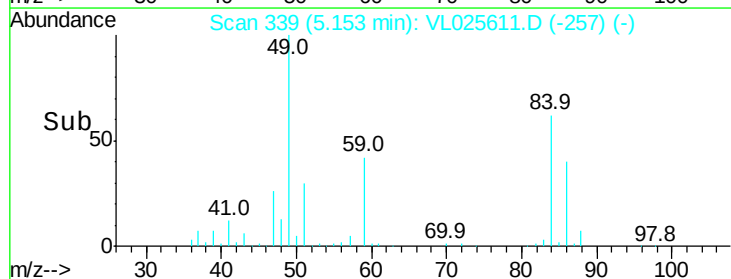
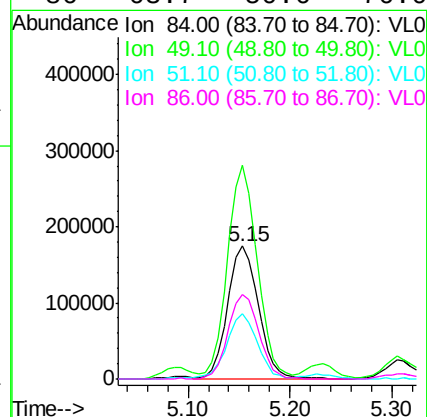
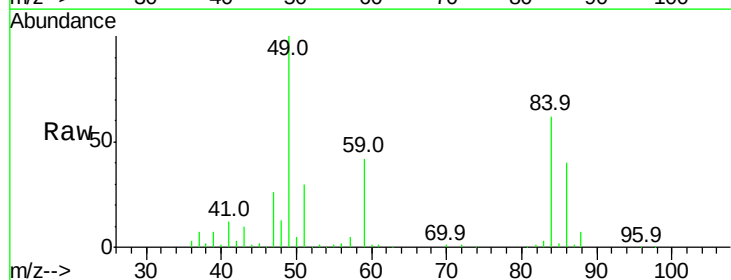
Ion Ratio Lower Upper

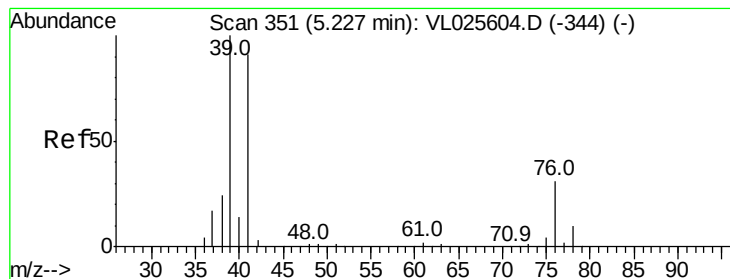
84 100

49 157.7 115.2 172.8

51 47.5 35.0 52.6

86 63.7 50.6 76.0





#21

Allyl Chloride

Concen: 8.00 ppbv

RT: 5.23 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

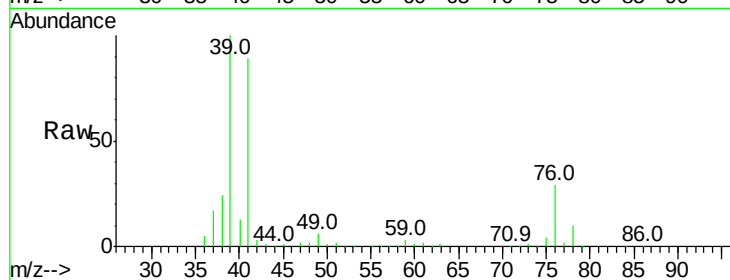
Tgt Ion: 41 Resp: 575540

Ion Ratio Lower Upper

41 100

76 32.4 26.6 40.0

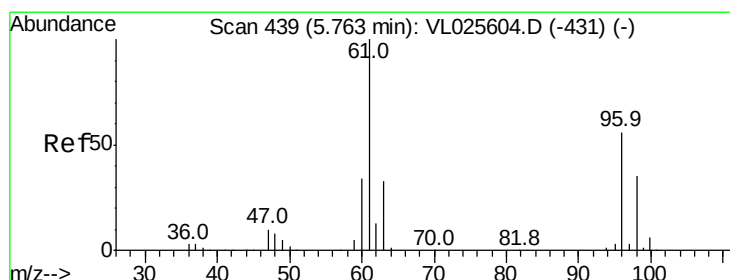
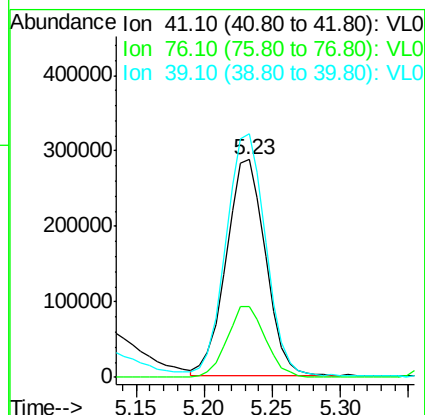
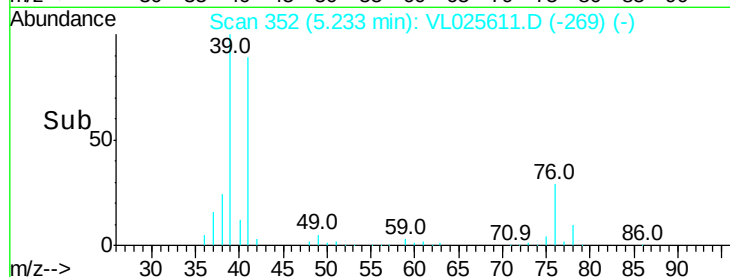
39 115.8 88.2 132.4



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



#22

trans-1,2-Dichloroethene

Concen: 8.18 ppbv

RT: 5.77 min Scan# 440

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

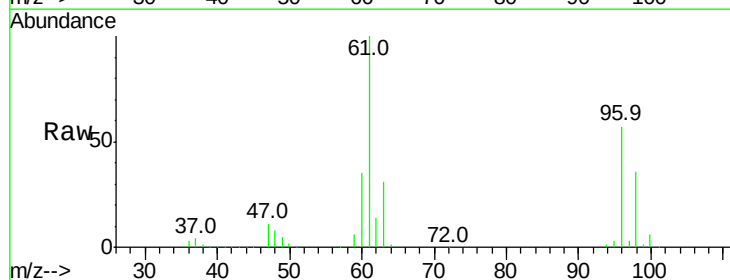
Tgt Ion: 96 Resp: 401126

Ion Ratio Lower Upper

96 100

61 174.7 141.8 212.6

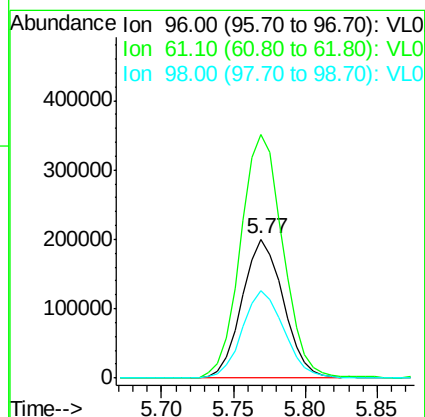
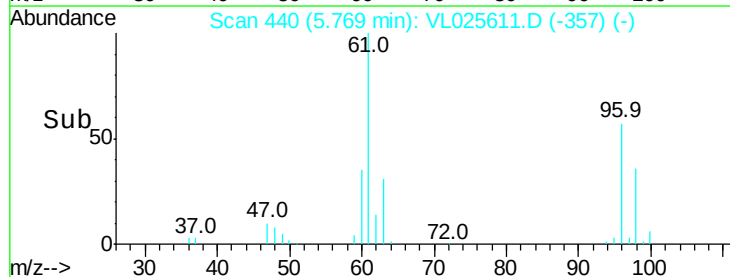
98 63.1 49.0 73.6

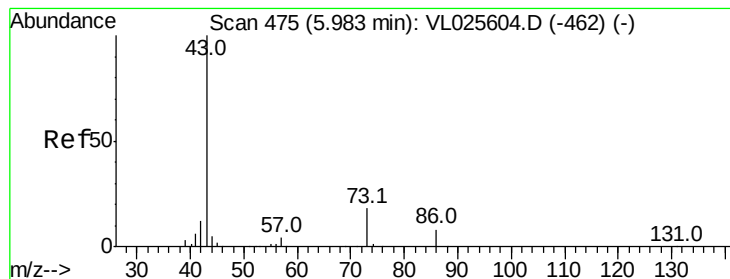


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.89 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

Tgt Ion: 43 Resp: 1549412

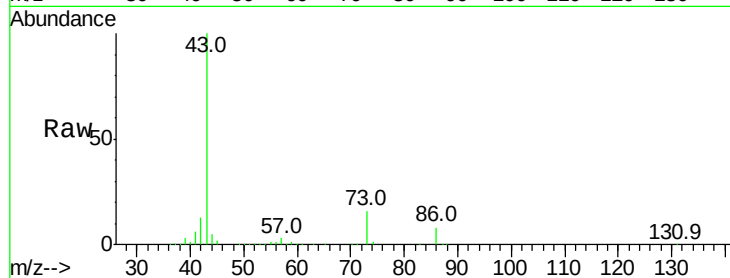
Ion Ratio Lower Upper

43 100

86 8.0 6.7 10.1

42 12.7 9.8 14.6

44 5.3 4.1 6.1

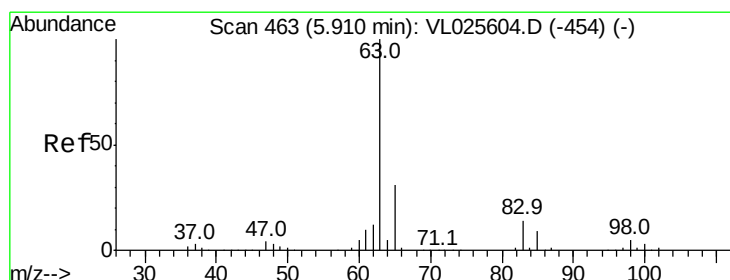
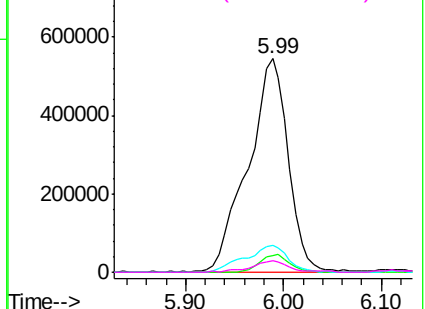
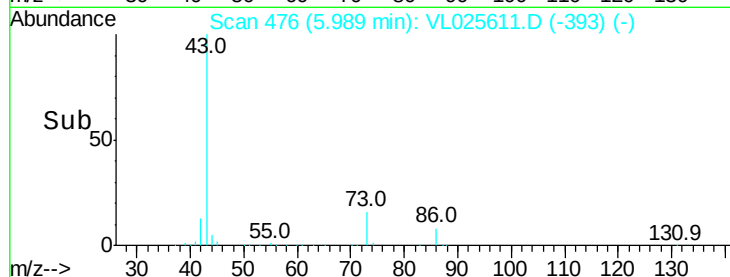


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.43 ppbv

RT: 5.92 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

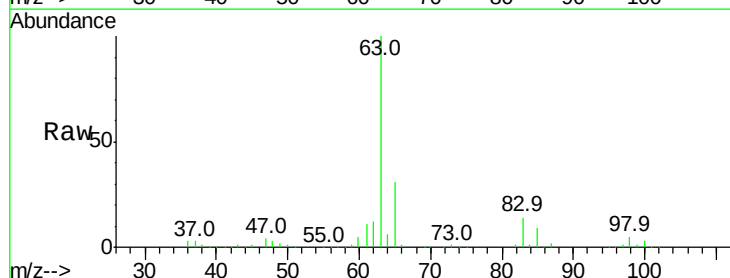
Tgt Ion: 63 Resp: 984811

Ion Ratio Lower Upper

63 100

98 5.0 2.6 8.0

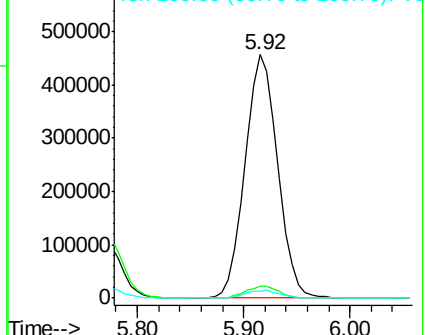
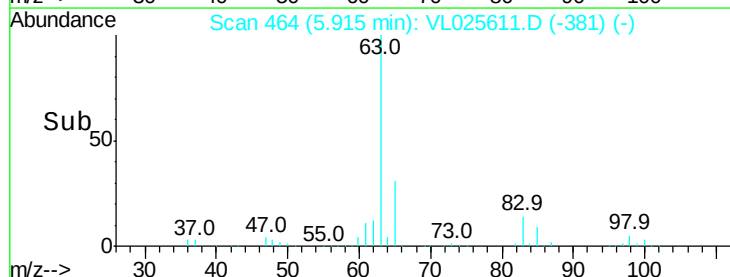
100 2.9 1.6 4.7

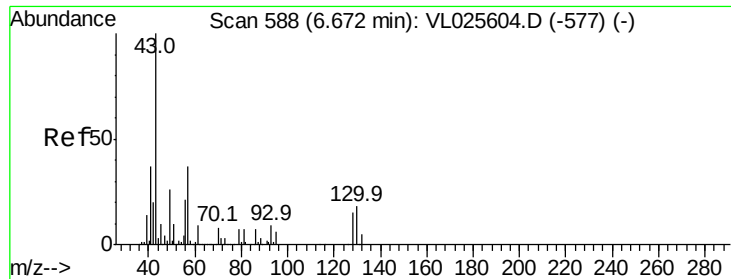


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.66 ppbv

RT: 6.68 min Scan# 589

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

Tgt Ion: 43 Resp: 1505960

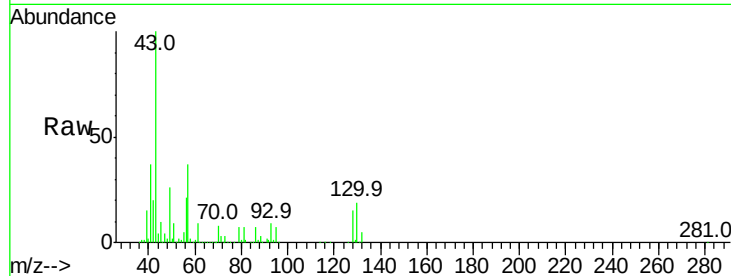
Ion Ratio Lower Upper

43 100

45 9.2 7.5 11.3

61 8.6 6.6 10.0

70 7.1 6.0 9.0

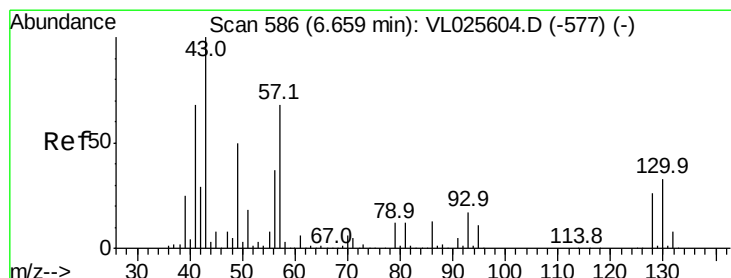
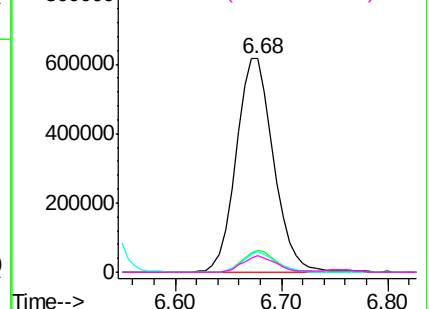
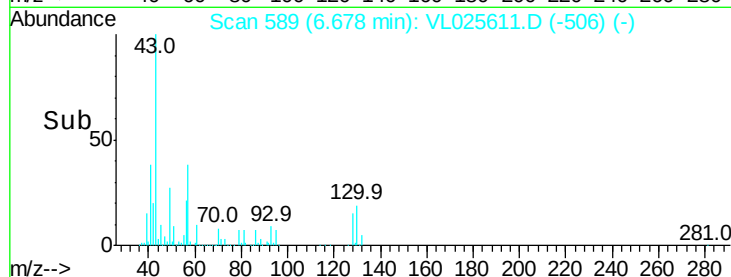


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.78 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Tgt Ion: 57 Resp: 718792

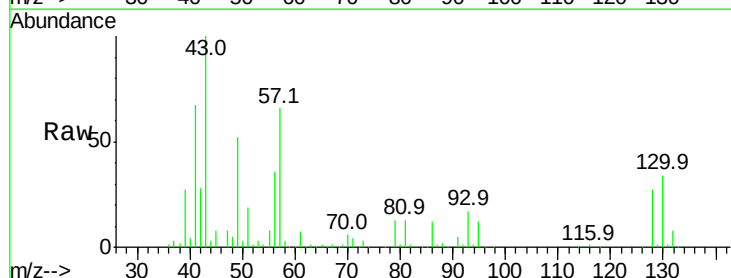
Ion Ratio Lower Upper

57 100

41 105.6 81.4 122.2

43 211.6 171.4 257.2

56 55.6 44.5 66.7

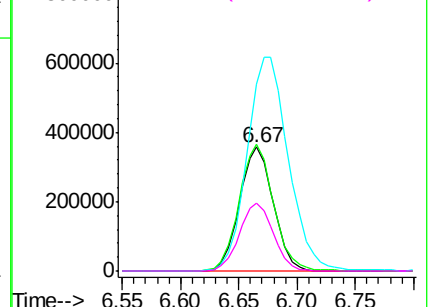
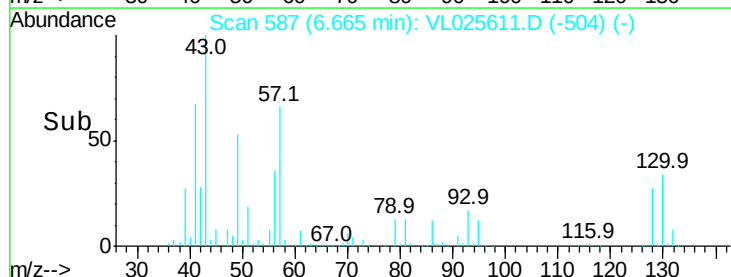


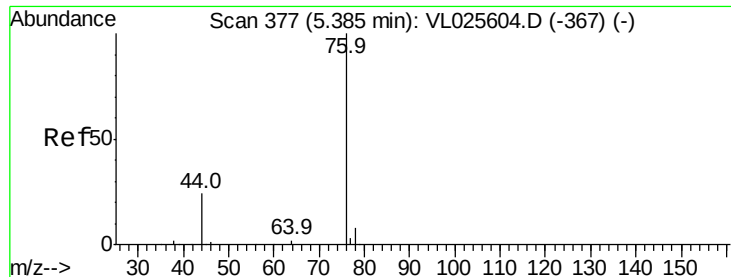
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 8.51 ppbv

RT: 5.39 min Scan# 378

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

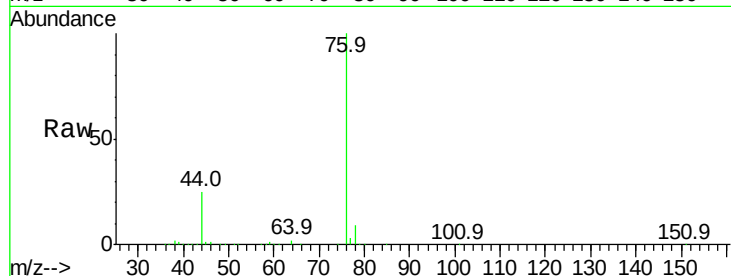
Tgt Ion: 76 Resp: 1128742

Ion Ratio Lower Upper

76 100

44 25.4 20.2 30.4

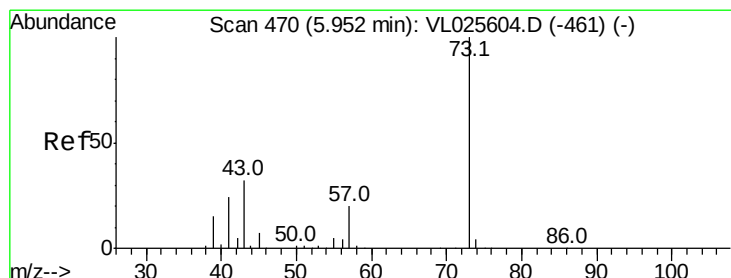
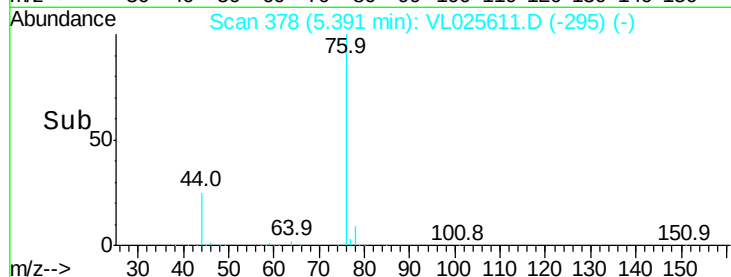
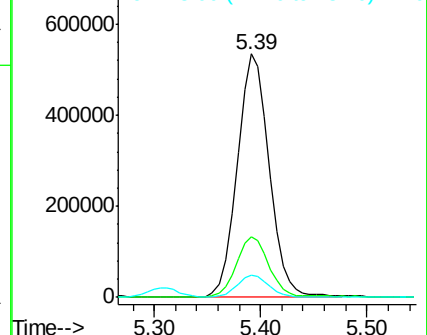
78 8.9 7.4 11.2



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



#28

Methyl tert-Butyl Ether

Concen: 8.87 ppbv

RT: 5.96 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL025611.D

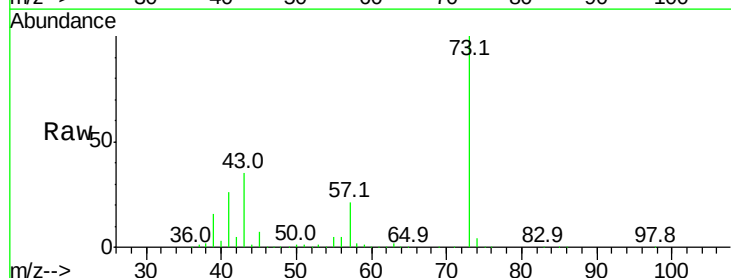
Acq: 7 Jul 2015 15:54

Tgt Ion: 73 Resp: 1444514

Ion Ratio Lower Upper

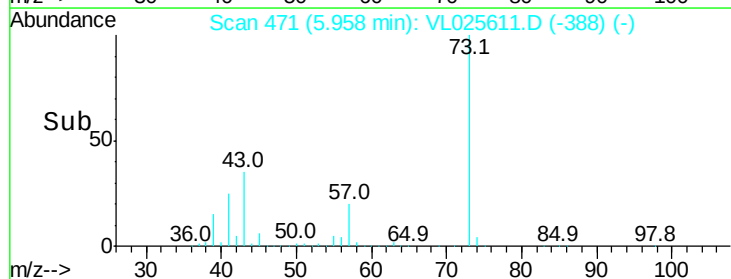
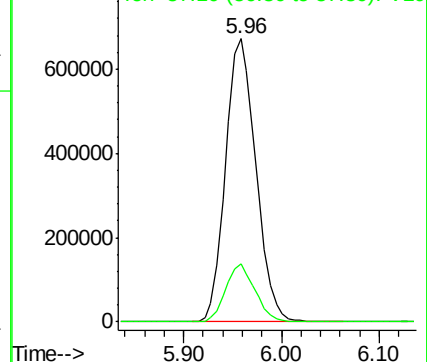
73 100

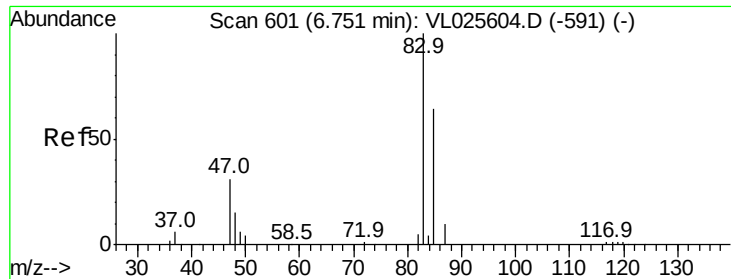
57 19.8 16.0 24.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

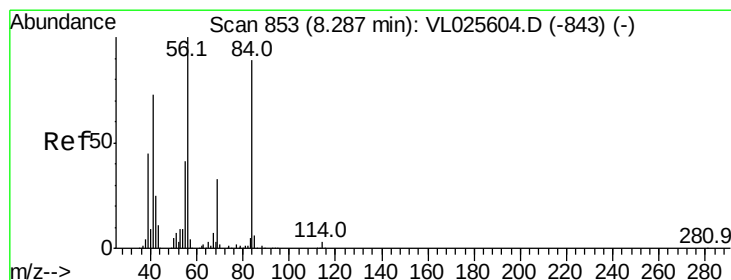
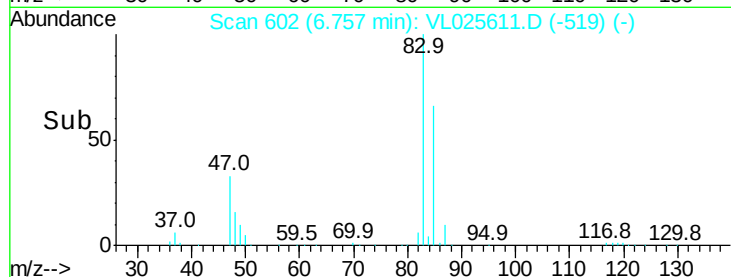
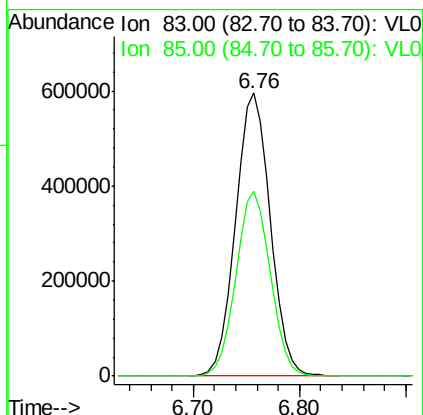
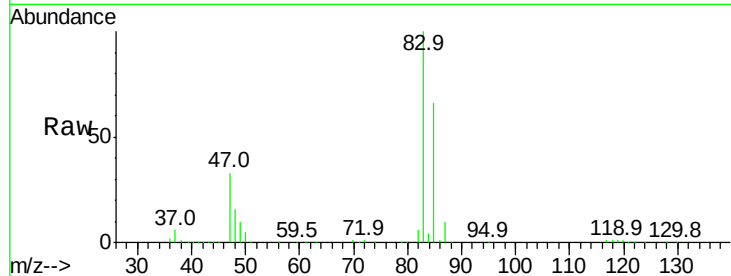




#29
Chloroform
Concen: 8.44 ppbv
RT: 6.76 min Scan# 602
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

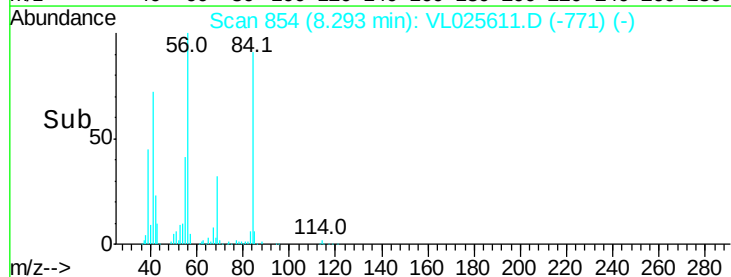
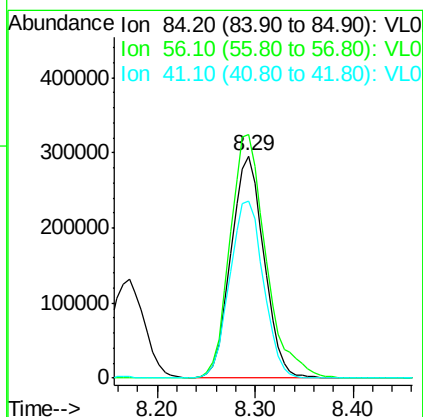
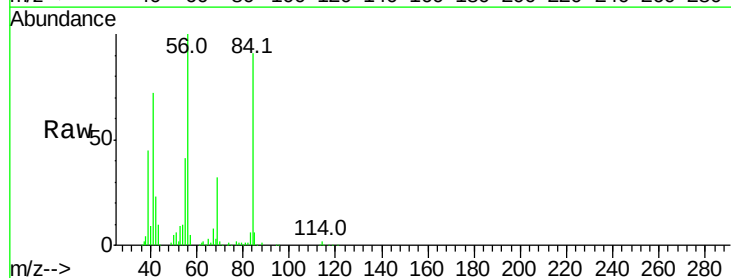
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070715

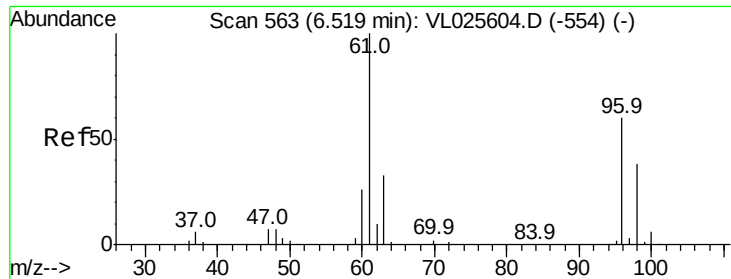
Tgt Ion: 83 Resp: 1364856
Ion Ratio Lower Upper
83 100
85 65.4 51.6 77.4



#30
Cyclohexane
Concen: 8.82 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

Tgt Ion: 84 Resp: 690551
Ion Ratio Lower Upper
84 100
56 120.1 97.5 146.3
41 82.3 65.4 98.2





#31

cis-1,2-Dichloroethene

Concen: 8.92 ppbv

RT: 6.53 min Scan# 564

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

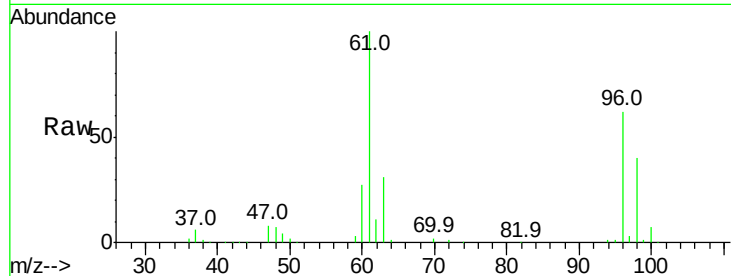
Tgt Ion: 61 Resp: 726345

Ion Ratio Lower Upper

61 100

96 62.4 48.1 72.1

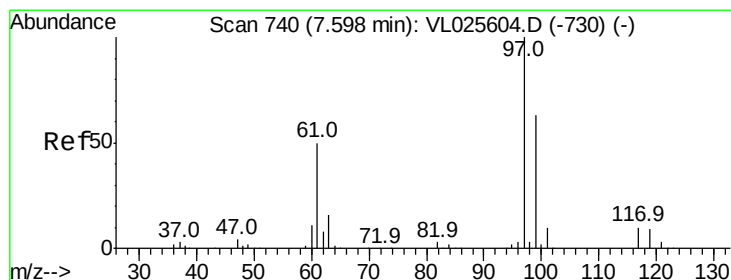
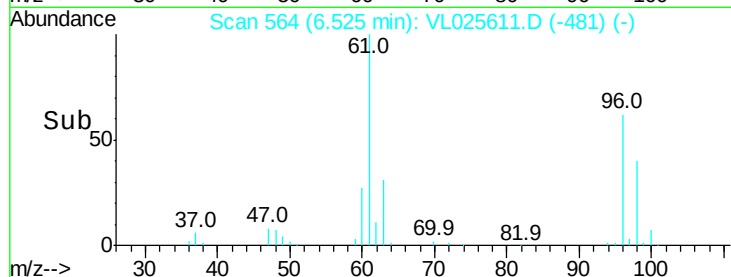
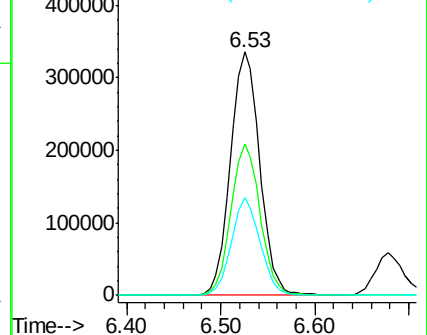
98 40.1 30.7 46.1



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



#32

1,1,1-Trichloroethane

Concen: 9.11 ppbv

RT: 7.60 min Scan# 741

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

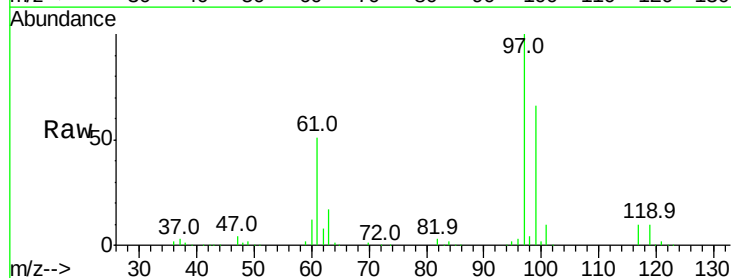
Tgt Ion: 97 Resp: 1546867

Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

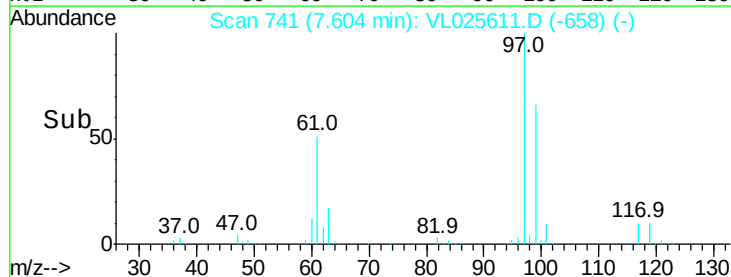
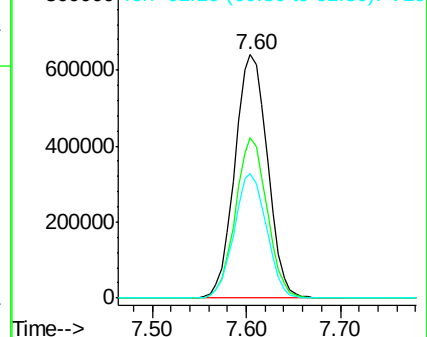
61 50.6 40.4 60.6

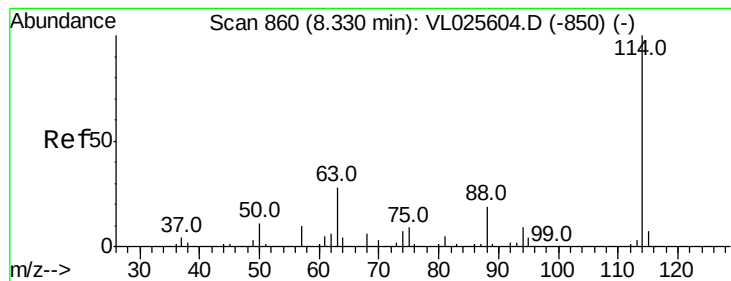


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.34 min Scan# 861

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

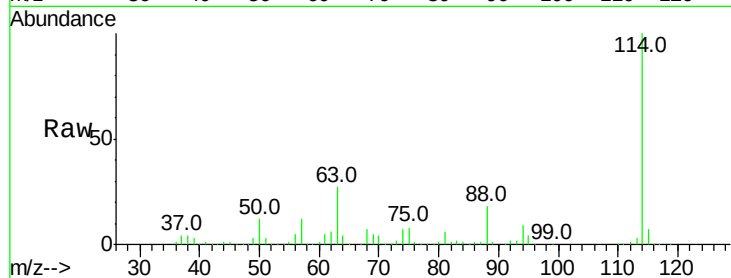
Tgt Ion:114 Resp: 1753527

Ion Ratio Lower Upper

114 100

63 28.1 22.4 33.6

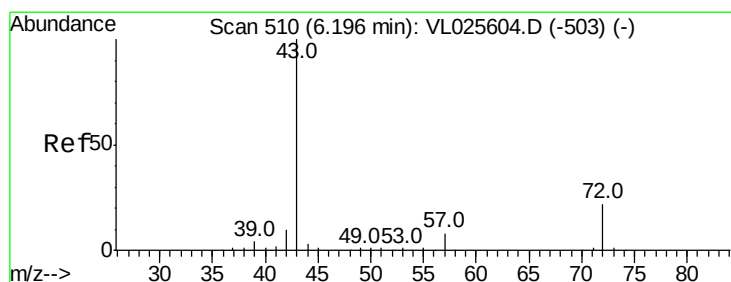
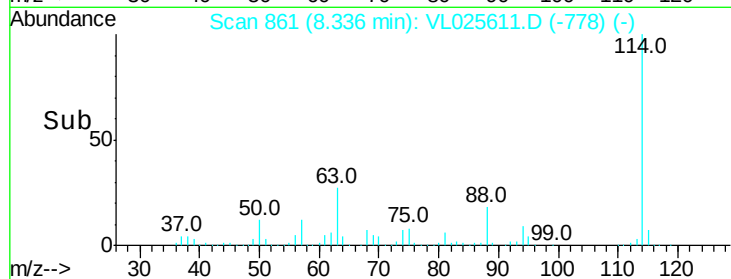
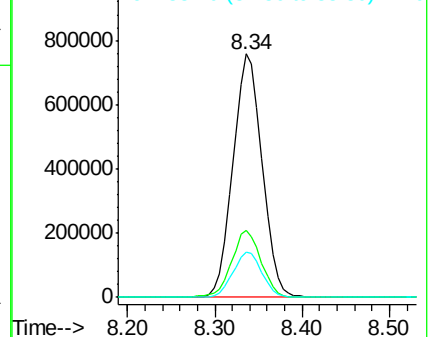
88 18.4 15.0 22.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.97 ppbv

RT: 6.20 min Scan# 511

Delta R.T. 0.01 min

Lab File: VL025611.D

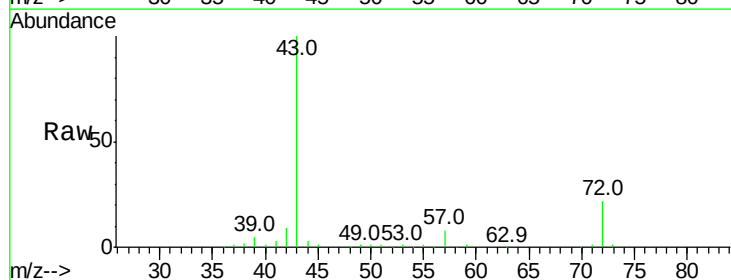
Acq: 7 Jul 2015 15:54

Tgt Ion: 43 Resp: 892418

Ion Ratio Lower Upper

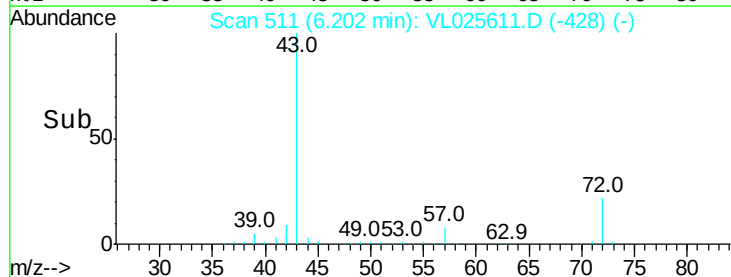
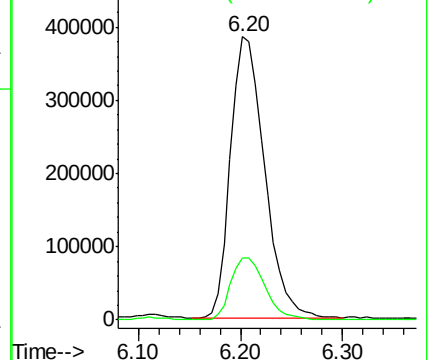
43 100

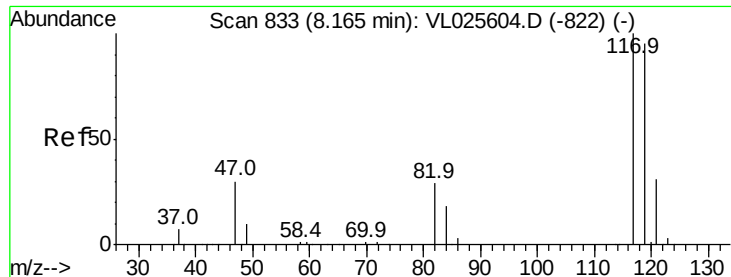
72 22.6 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.84 ppbv

RT: 8.17 min Scan# 834

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

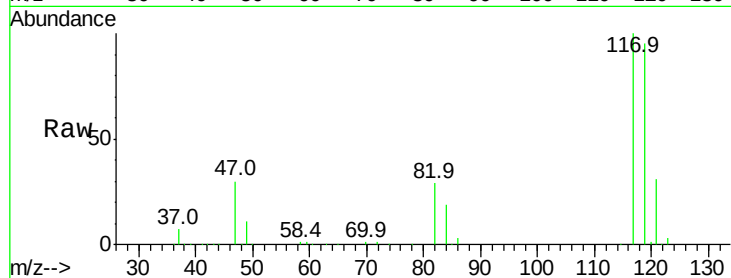
Tgt Ion:117 Resp: 1652230

Ion Ratio Lower Upper

117 100

119 95.1 75.9 113.9

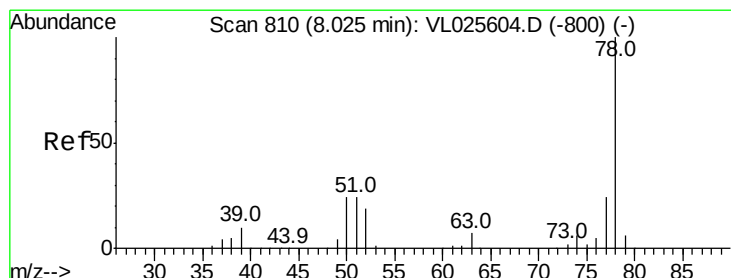
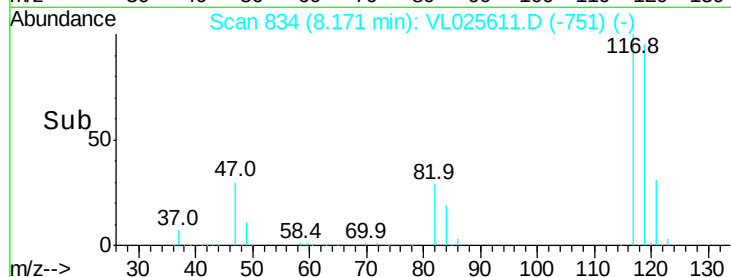
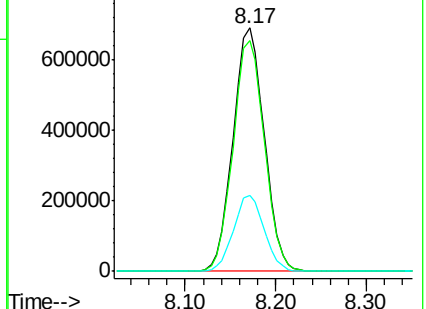
121 31.0 24.4 36.6



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: 8.92 ppbv

RT: 8.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

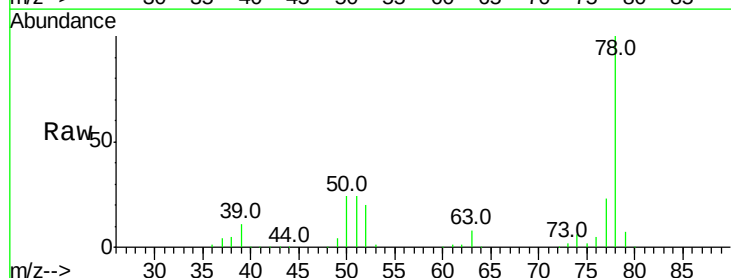
Tgt Ion: 78 Resp: 1498275

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4

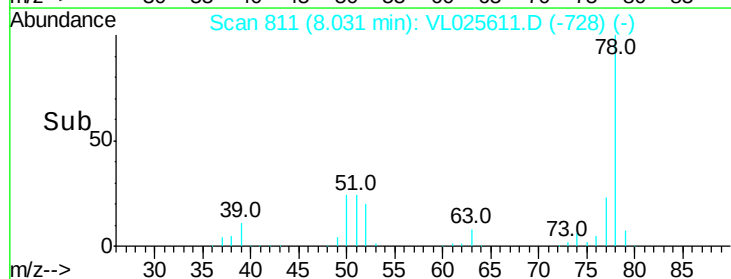
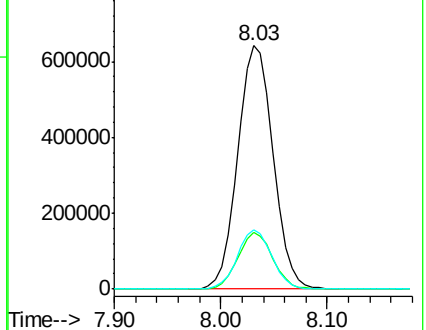
50 24.3 19.2 28.8

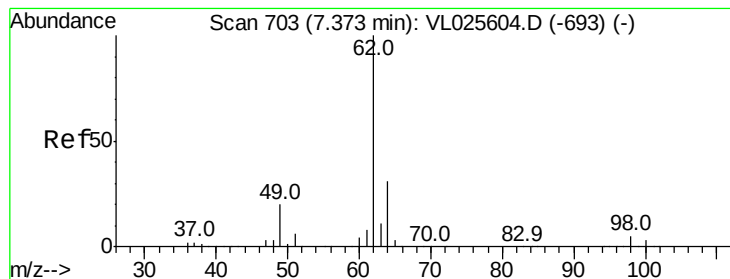


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.59 ppbv

RT: 7.38 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

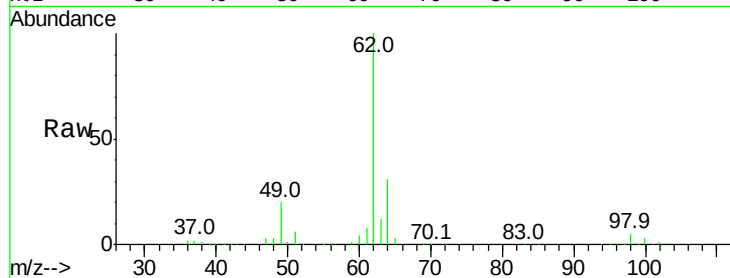
ICVVL070715

Tgt Ion: 62 Resp: 1232352

Ion Ratio Lower Upper

62 100

98 5.0 4.1 6.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

7.38

600000

500000

400000

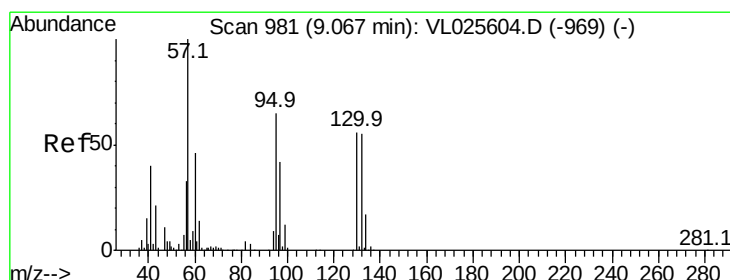
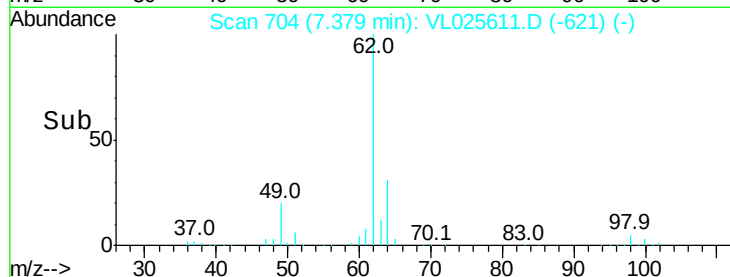
300000

200000

100000

0

Time-->



#38

Trichloroethene

Concen: 8.91 ppbv

RT: 9.07 min Scan# 982

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Tgt Ion: 130 Resp: 696054

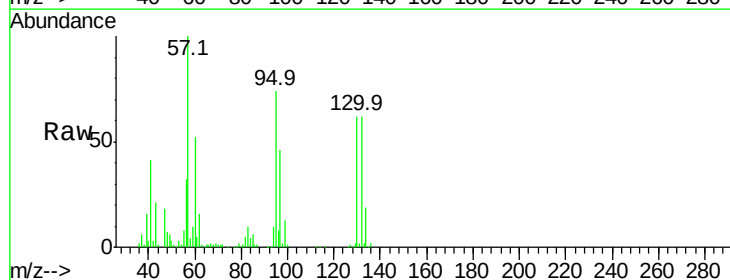
Ion Ratio Lower Upper

130 100

95 118.4 94.2 141.4

132 99.3 78.6 118.0

97 73.6 60.6 90.8



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

500000

400000

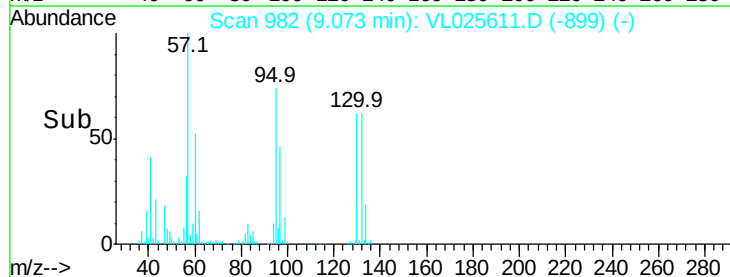
300000

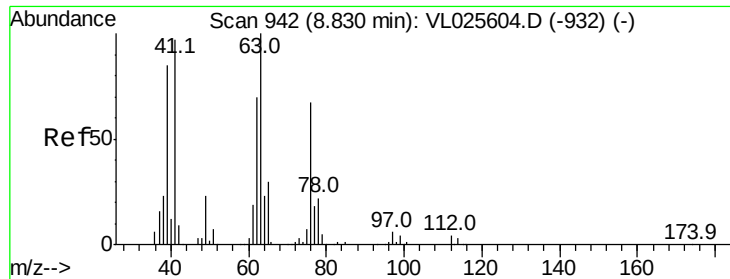
200000

100000

0

Time-->

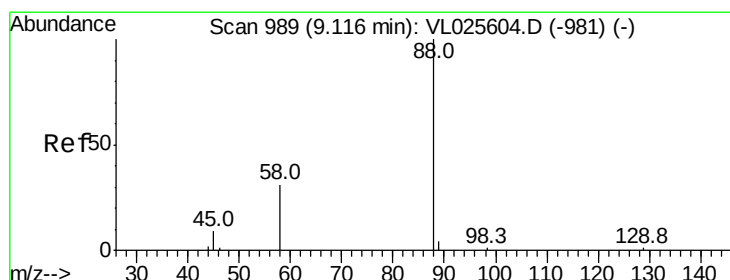
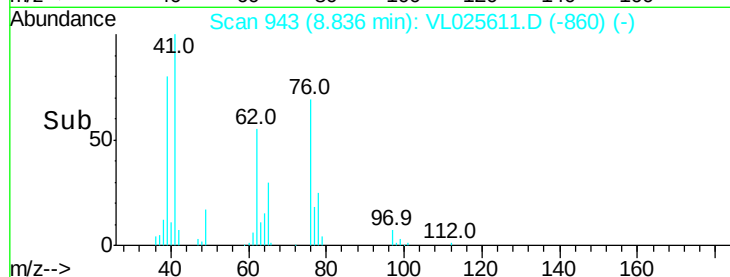
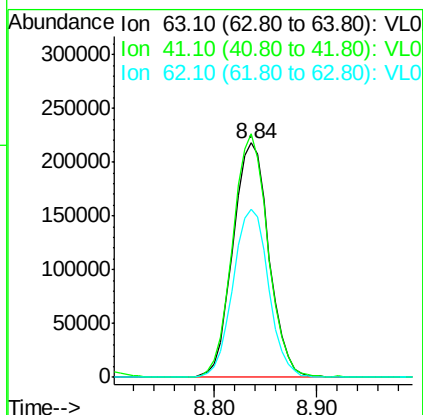
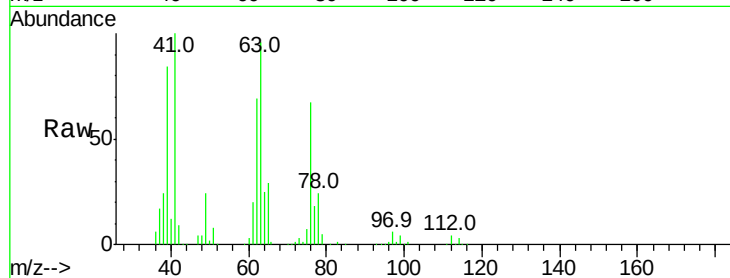




#39
 1,2-Dichloropropane
 Concen: 8.59 ppbv
 RT: 8.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

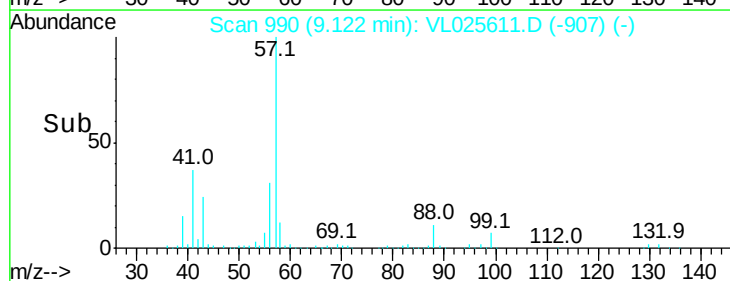
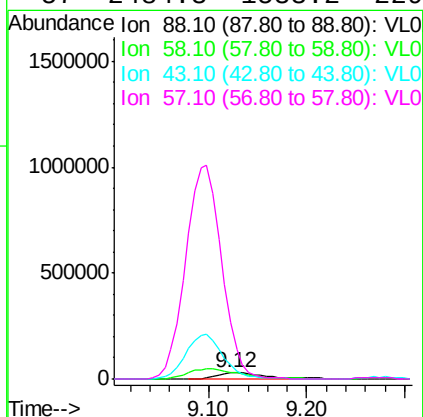
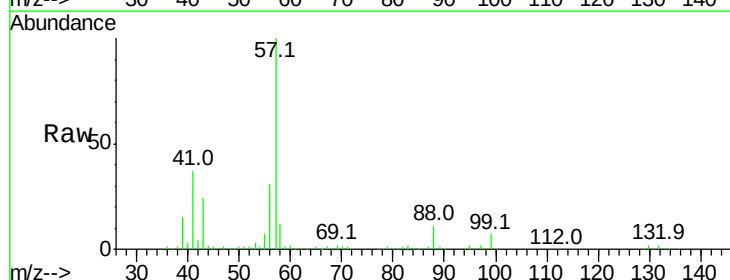
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070715

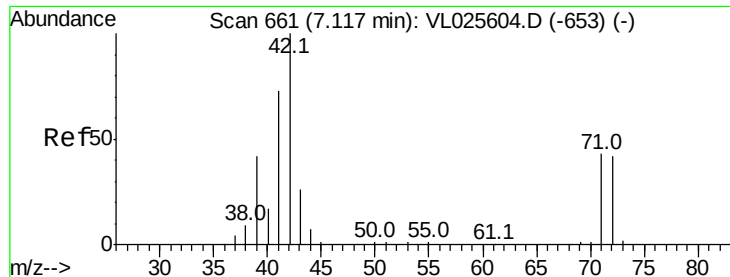
Tgt Ion: 63 Resp: 532998
 Ion Ratio Lower Upper
 63 100
 41 103.5 78.0 117.0
 62 71.5 55.7 83.5



#40
 1,4-Dioxane
 Concen: 10.72 ppbv
 RT: 9.12 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Tgt Ion: 88 Resp: 104250
 Ion Ratio Lower Upper
 88 100
 58 182.1 127.1 190.7
 43 542.5 337.7 506.5#
 57 2484.3 1533.2 2299.8#





#41

Tetrahydrofuran

Concen: 9.04 ppbv

RT: 7.12 min Scan# 662

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

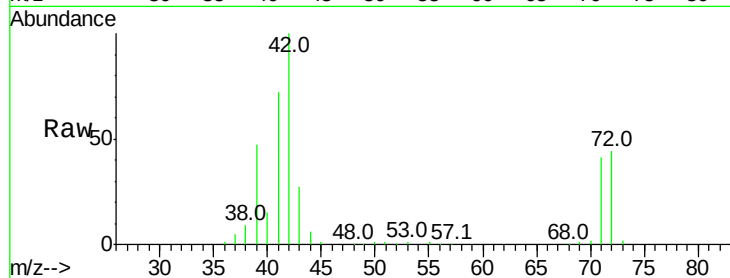
Tgt Ion: 42 Resp: 449049

Ion Ratio Lower Upper

42 100

72 43.8 34.0 51.0

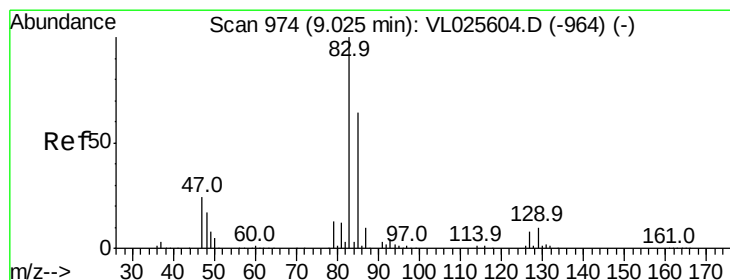
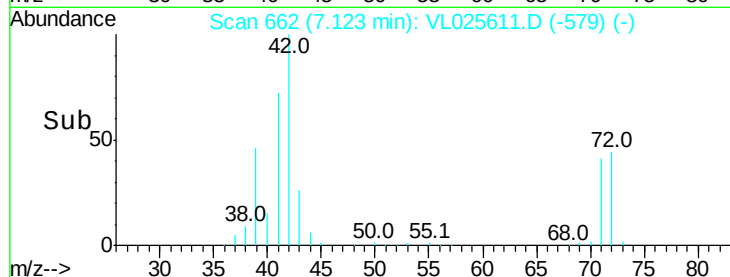
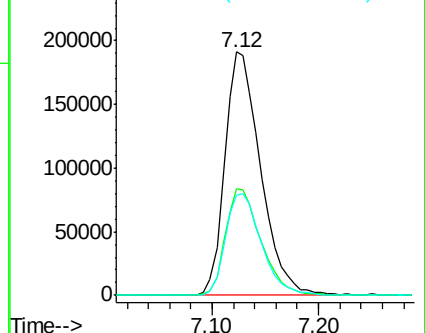
71 42.0 33.0 49.6



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: 9.05 ppbv

RT: 9.04 min Scan# 976

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

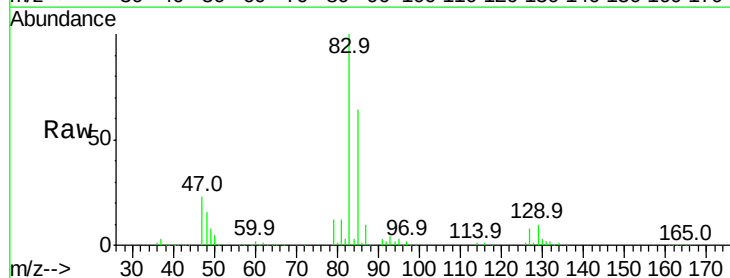
Tgt Ion: 83 Resp: 1565312

Ion Ratio Lower Upper

83 100

85 63.6 51.3 76.9

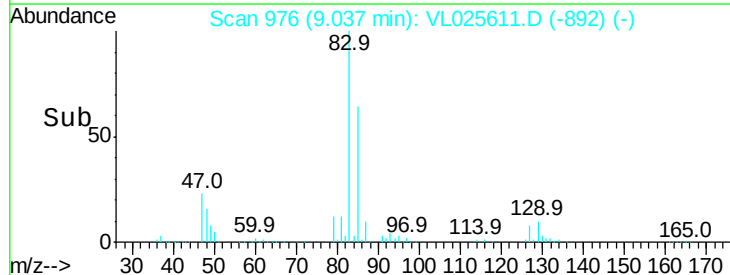
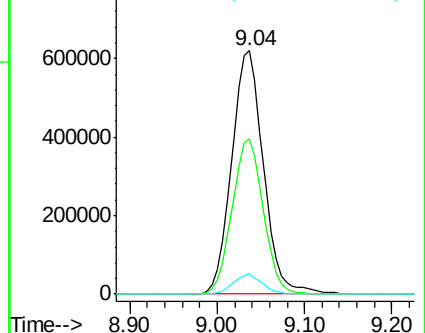
127 8.4 6.0 9.0

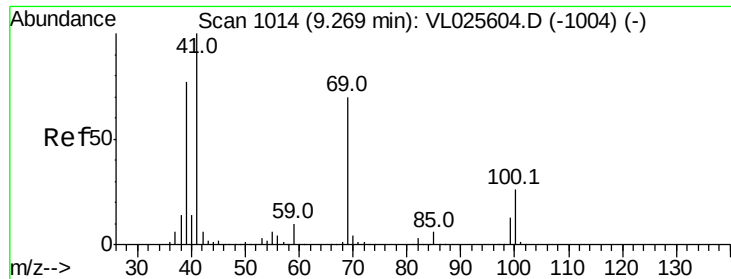


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

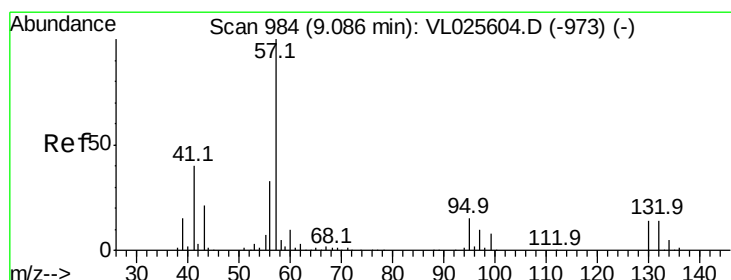
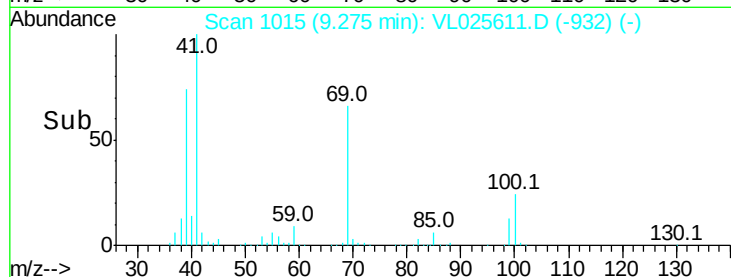
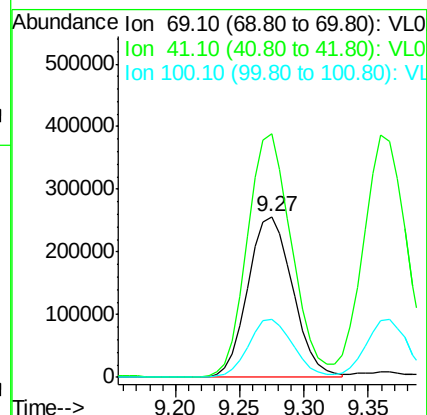
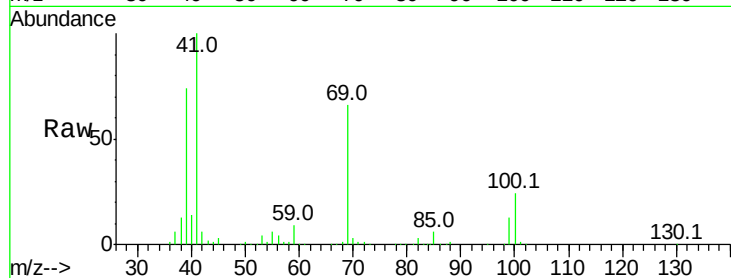




#43
Methyl Methacrylate
Concen: 9.63 ppbv
RT: 9.27 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

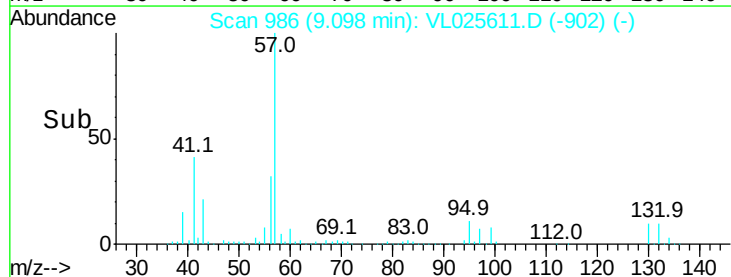
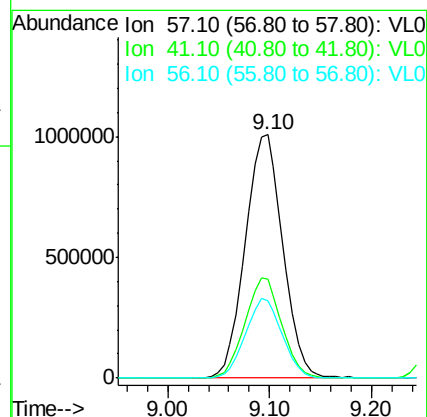
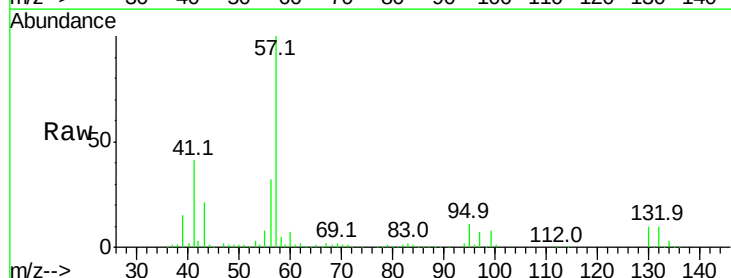
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070715

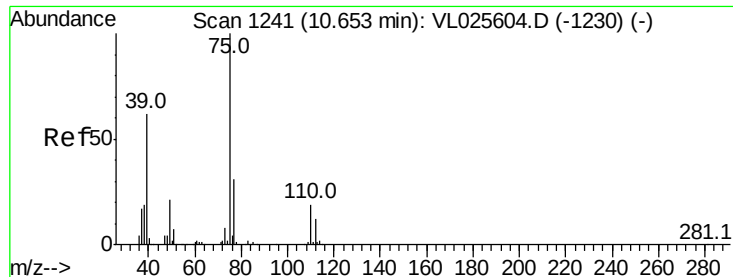
Tgt Ion: 69 Resp: 620522
Ion Ratio Lower Upper
69 100
41 149.8 117.3 175.9
100 35.9 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 8.96 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

Tgt Ion: 57 Resp: 2581110
Ion Ratio Lower Upper
57 100
41 40.2 31.2 46.8
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.35 ppbv

RT: 10.66 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

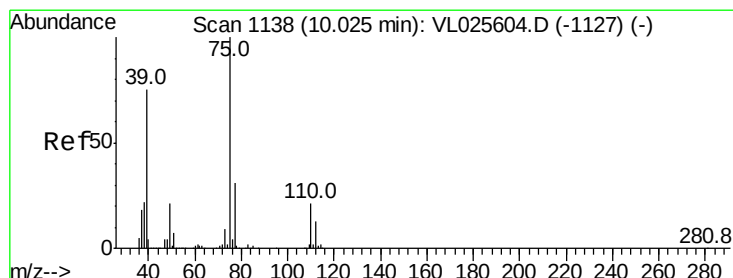
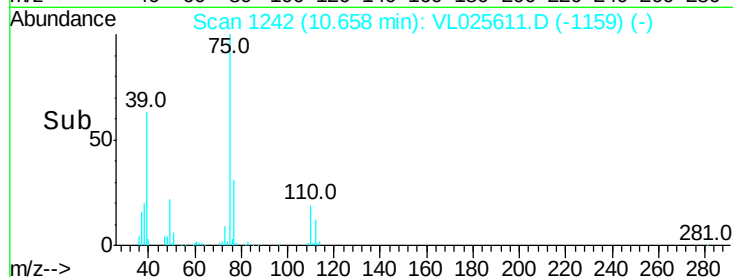
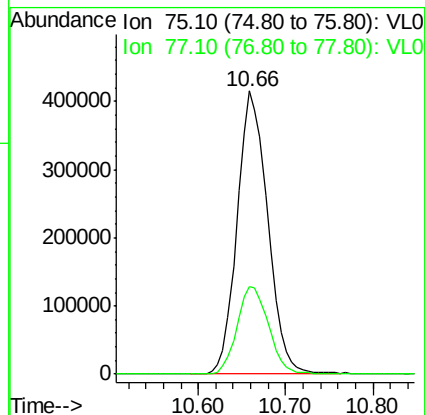
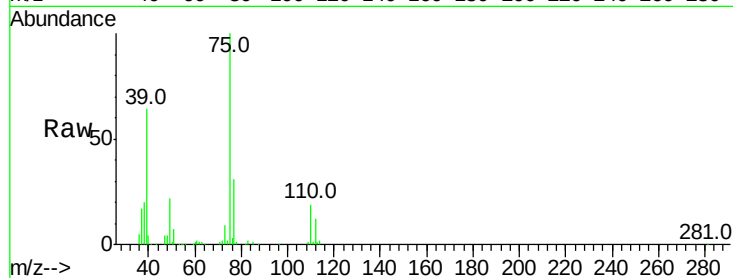
ICVVL070715

Tgt Ion: 75 Resp: 1013298

Ion Ratio Lower Upper

75 100

77 31.1 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 9.47 ppbv

RT: 10.03 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

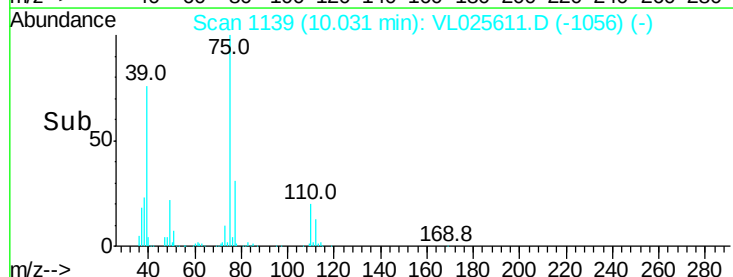
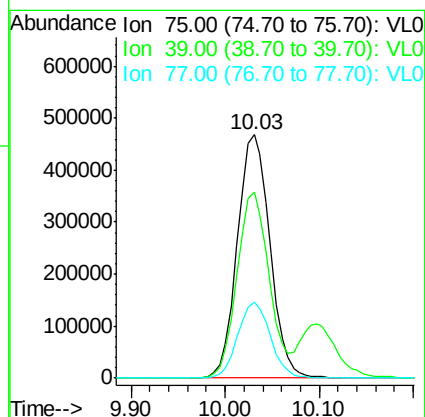
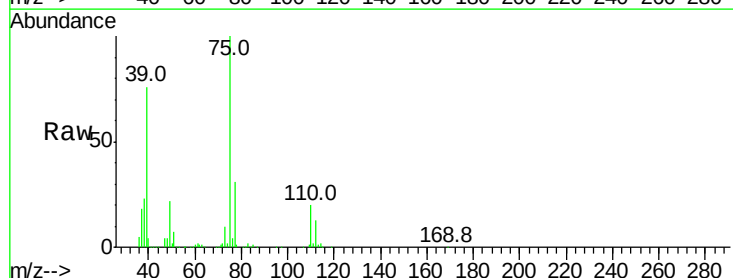
Tgt Ion: 75 Resp: 1134681

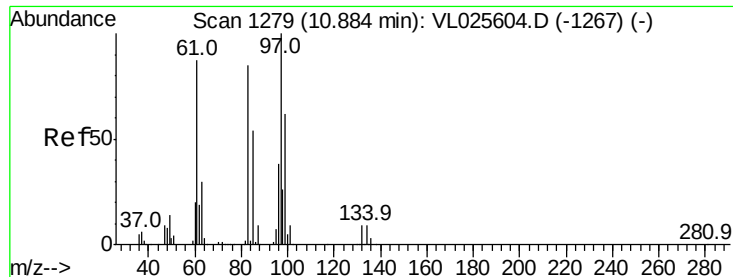
Ion Ratio Lower Upper

75 100

39 76.3 60.4 90.6

77 31.0 24.6 37.0

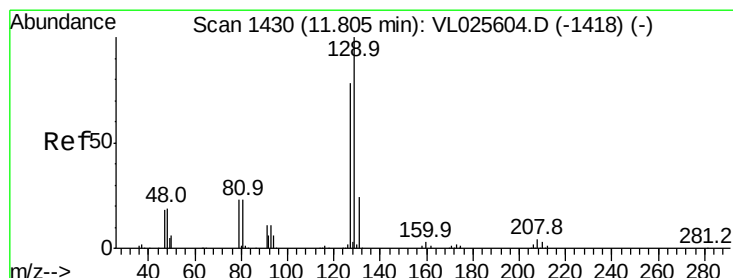
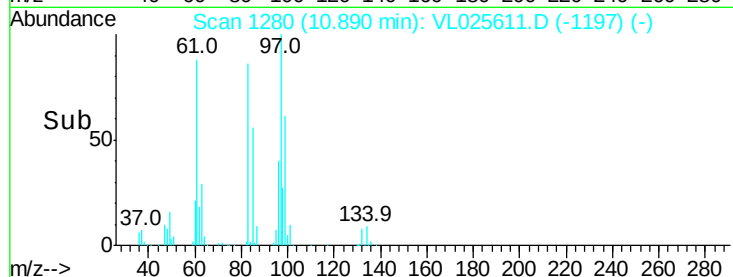
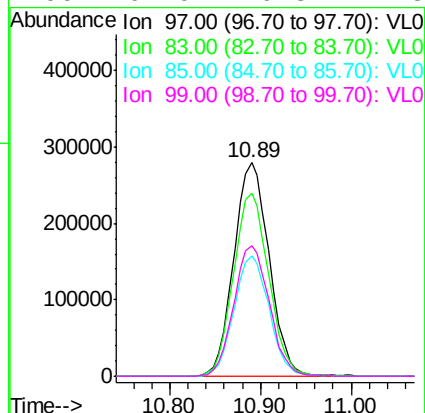
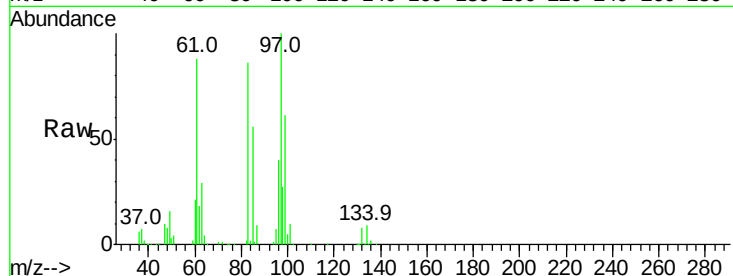




#47
 1,1,2-Trichloroethane
 Concen: 8.75 ppbv
 RT: 10.89 min Scan# 1280
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

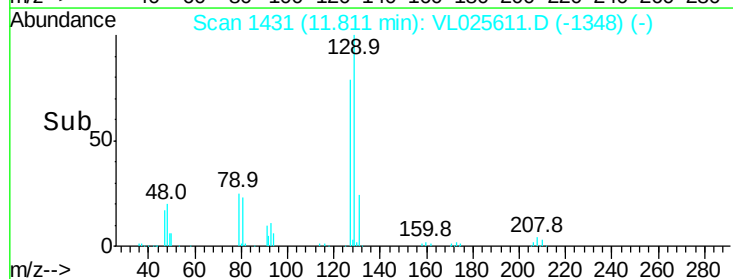
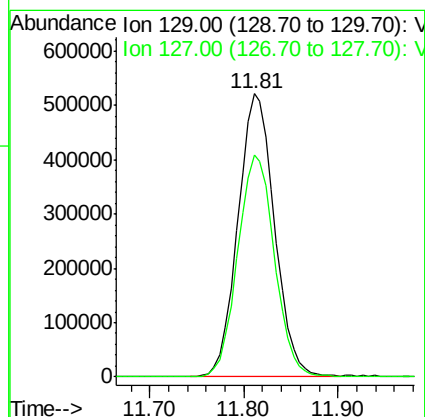
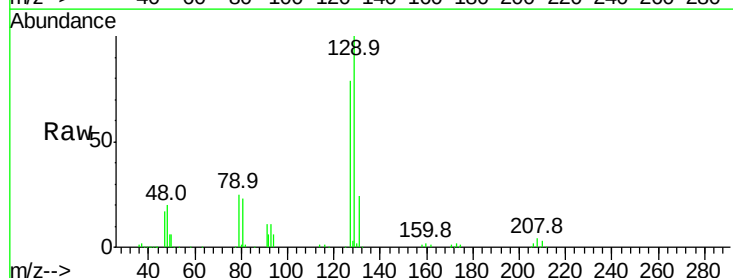
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070715

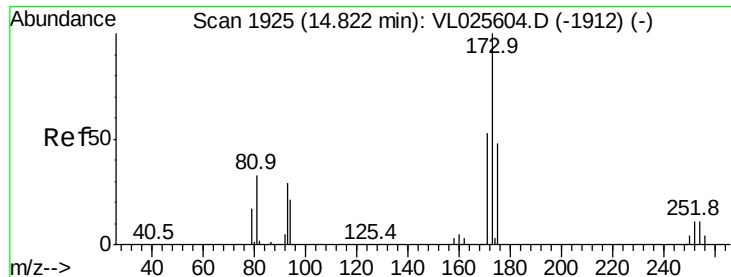
Tgt Ion: 97 Resp: 755438
 Ion Ratio Lower Upper
 97 100
 83 85.5 67.8 101.8
 85 56.1 43.5 65.3
 99 61.0 49.8 74.8



#48
 Dibromochloromethane
 Concen: 9.16 ppbv
 RT: 11.81 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Tgt Ion: 129 Resp: 1414156
 Ion Ratio Lower Upper
 129 100
 127 79.3 39.0 116.9





#49

Bromoform

Concen: 9.12 ppbv

RT: 14.83 min Scan# 1926

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

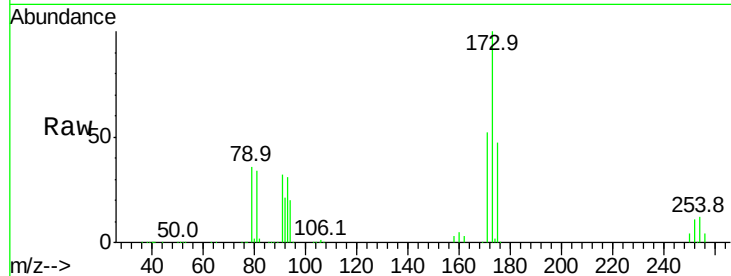
Tgt Ion:173 Resp: 1161842

Ion Ratio Lower Upper

173 100

175 48.6 39.5 59.3

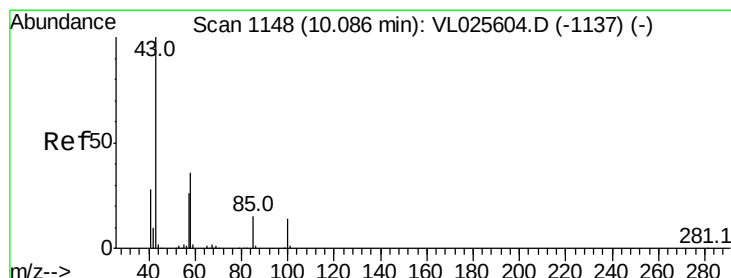
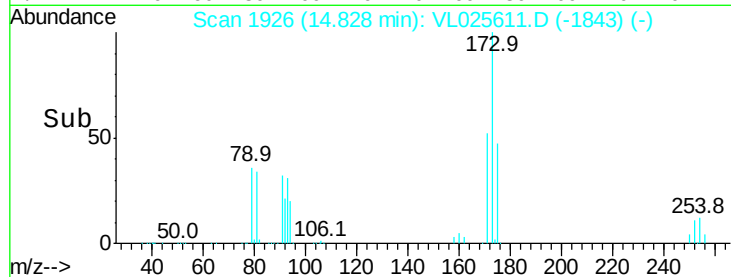
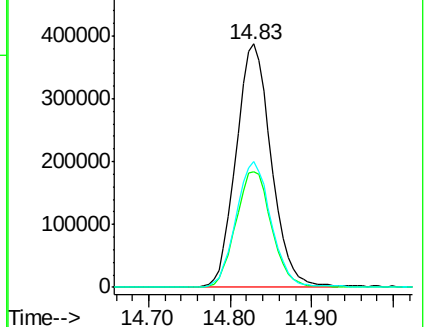
171 52.0 42.2 63.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.56 ppbv

RT: 10.10 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VL025611.D

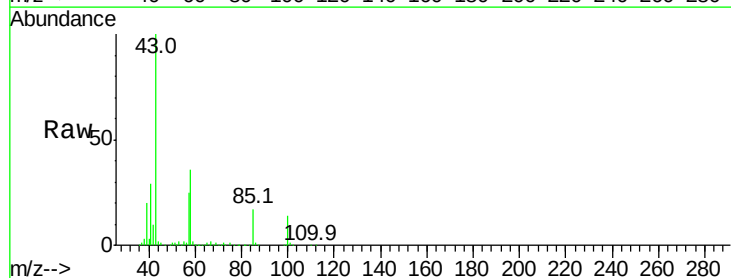
Acq: 7 Jul 2015 15:54

Tgt Ion: 43 Resp: 1370238

Ion Ratio Lower Upper

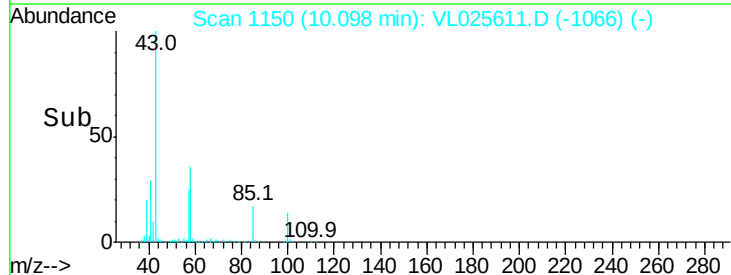
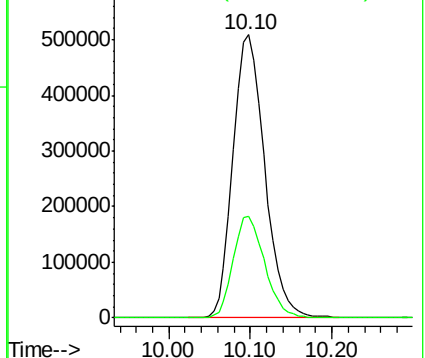
43 100

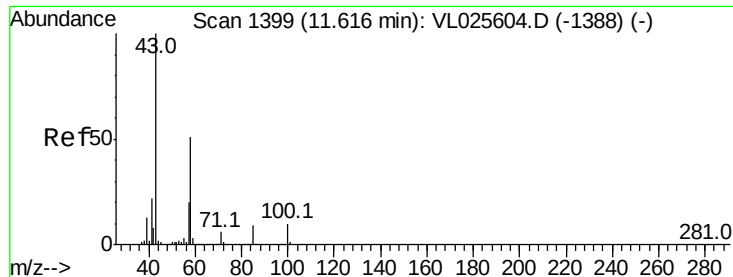
58 35.6 28.5 42.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

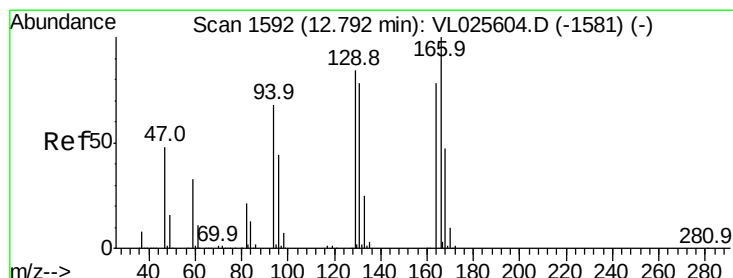
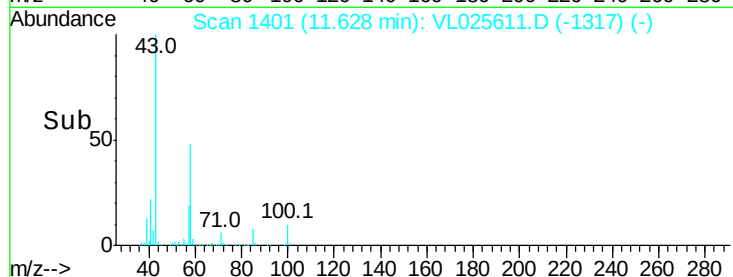
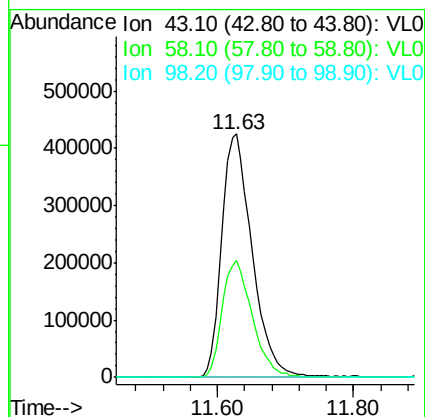
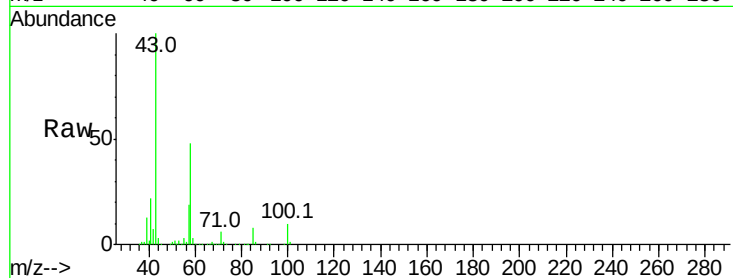




#51
2-Hexanone
Concen: 10.26 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

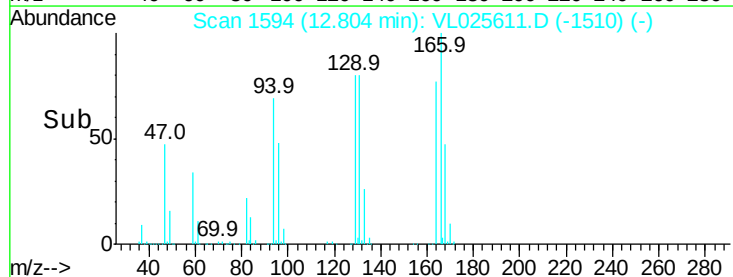
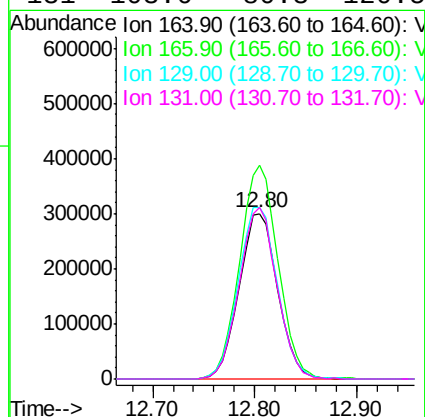
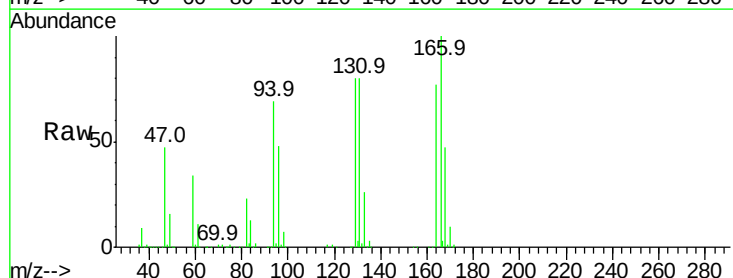
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070715

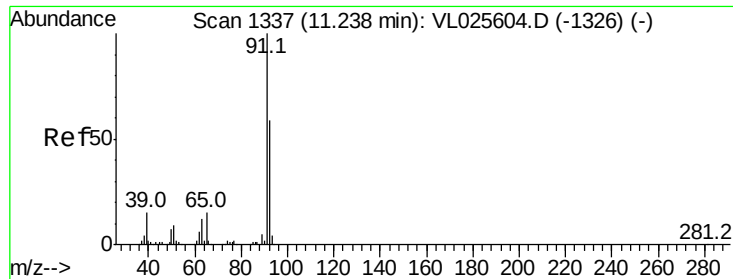
Tgt Ion: 43 Resp: 1319426
Ion Ratio Lower Upper
43 100
58 47.5 39.0 58.6
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.37 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

Tgt Ion: 164 Resp: 789583
Ion Ratio Lower Upper
164 100
166 129.3 102.3 153.5
129 104.0 86.2 129.4
131 103.6 80.3 120.5





#53

Toluene

Concen: 9.53 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

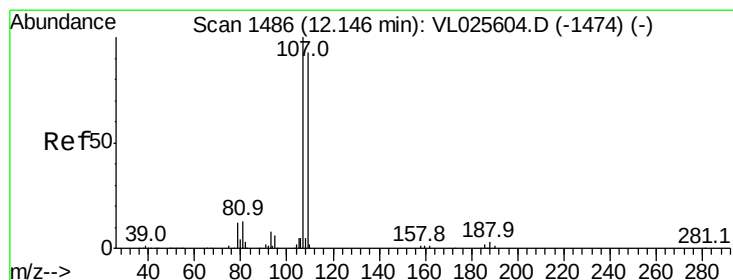
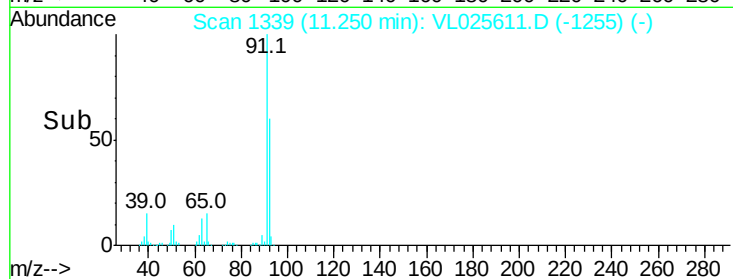
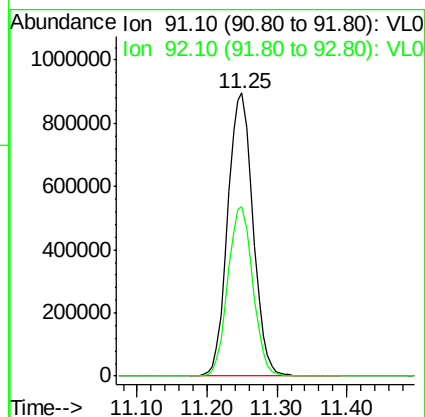
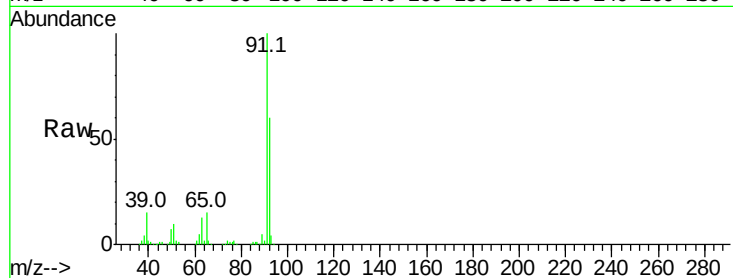
ICVVL070715

Tgt Ion: 91 Resp: 2249190

Ion Ratio Lower Upper

91 100

92 59.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 8.82 ppbv

RT: 12.15 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VL025611.D

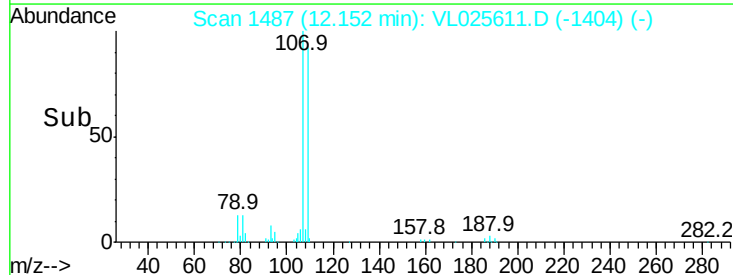
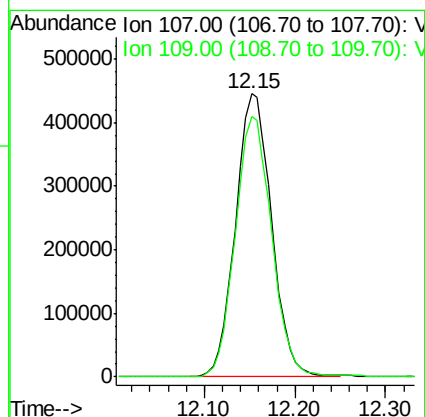
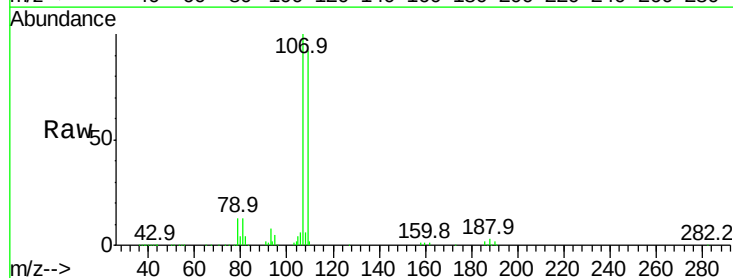
Acq: 7 Jul 2015 15:54

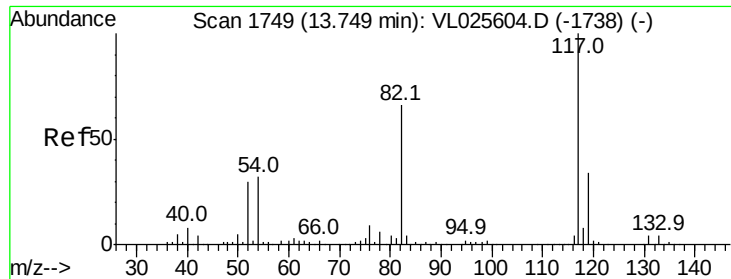
Tgt Ion: 107 Resp: 1231130

Ion Ratio Lower Upper

107 100

109 92.0 74.1 111.1

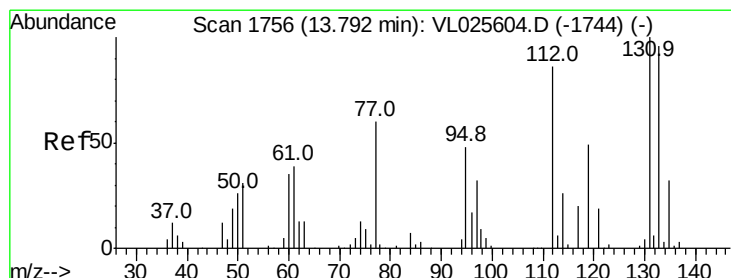
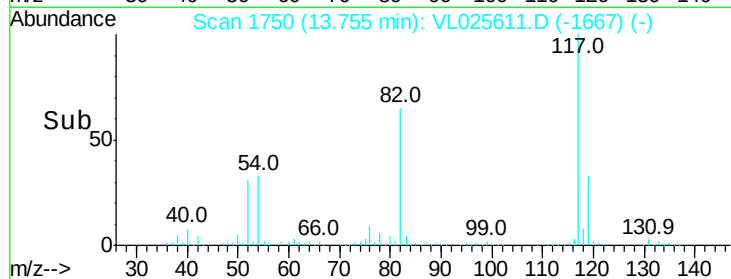
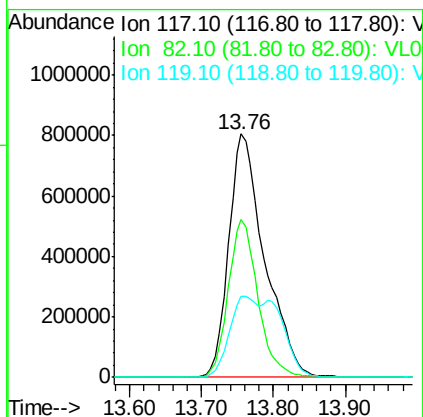
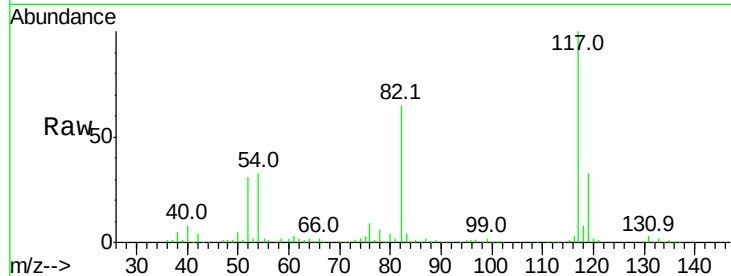




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

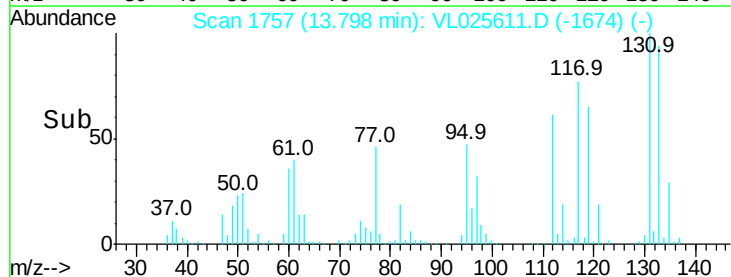
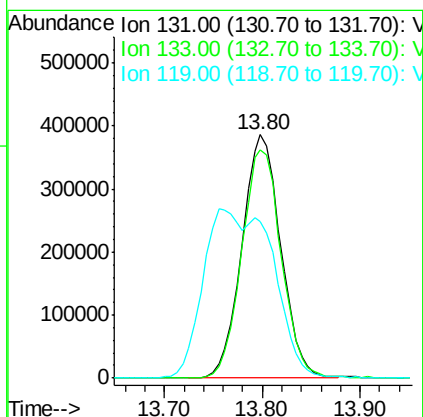
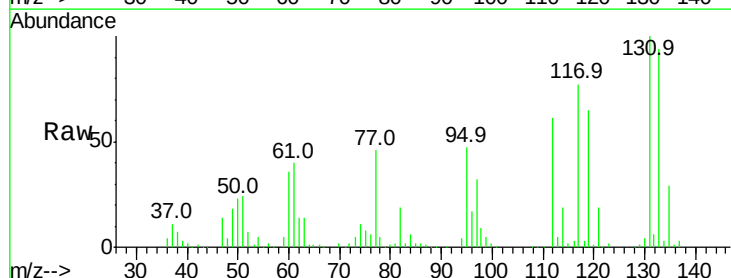
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070715

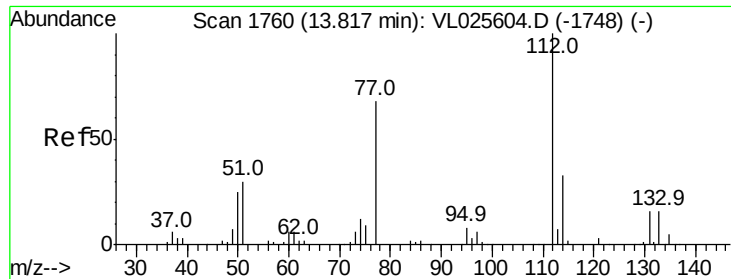
Tgt Ion:117 Resp: 2792127
Ion Ratio Lower Upper
117 100
82 53.7 50.5 75.7
119 47.6 45.1 67.7



#56
1,1,1,2-Tetrachloroethane
Concen: 7.05 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

Tgt Ion:131 Resp: 1063755
Ion Ratio Lower Upper
131 100
133 96.3 76.9 115.3
119 125.1 97.8 146.8

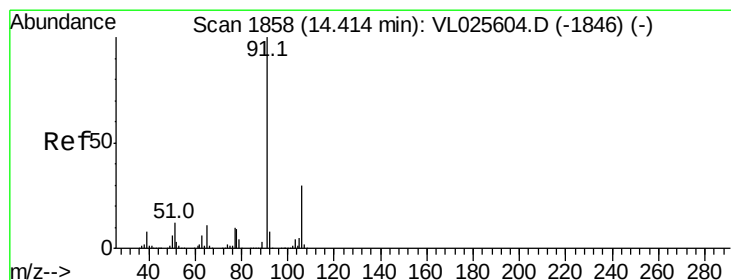
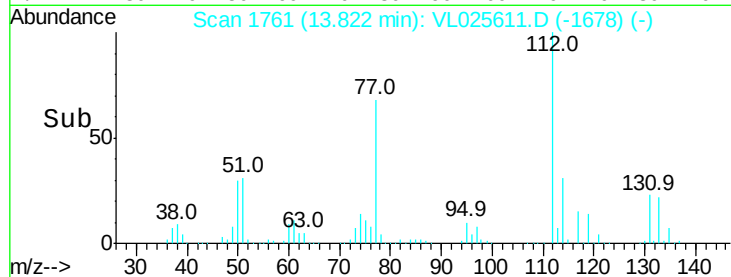
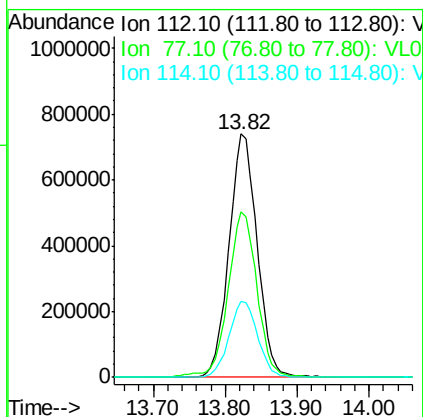
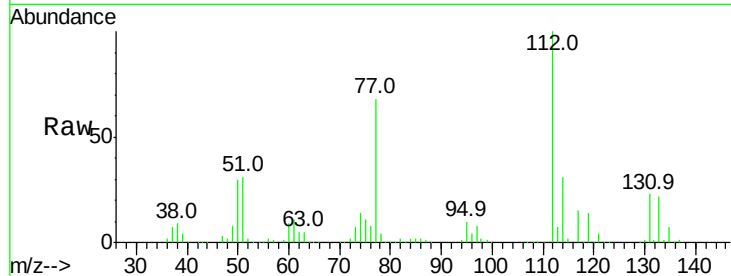




#57
Chlorobenzene
Concen: 6.78 ppbv
RT: 13.82 min Scan# 1761
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

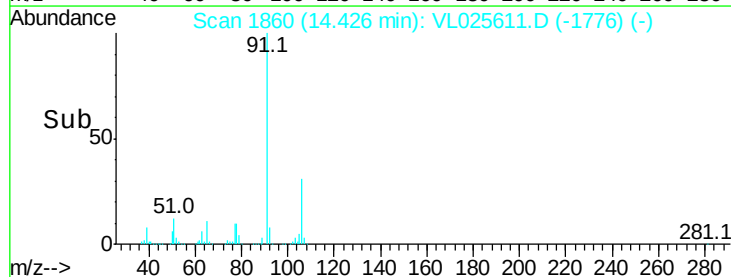
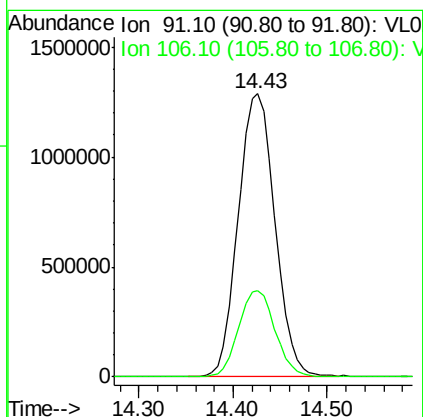
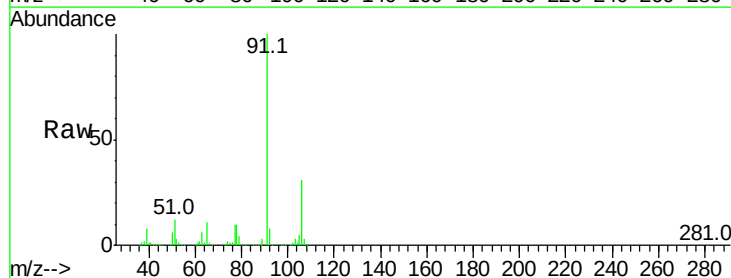
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070715

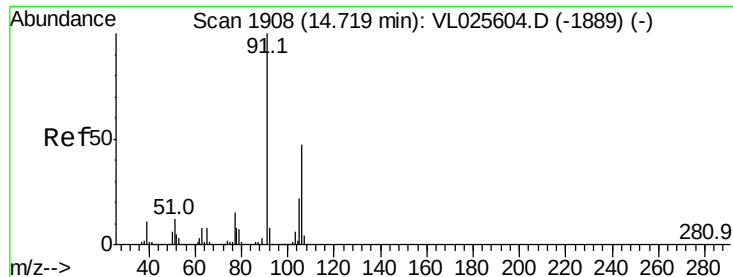
Tgt Ion: 112 Resp: 2013578
Ion Ratio Lower Upper
112 100
77 67.9 55.2 82.8
114 31.3 29.4 36.0



#58
Ethyl Benzene
Concen: 7.64 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

Tgt Ion: 91 Resp: 3524849
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2

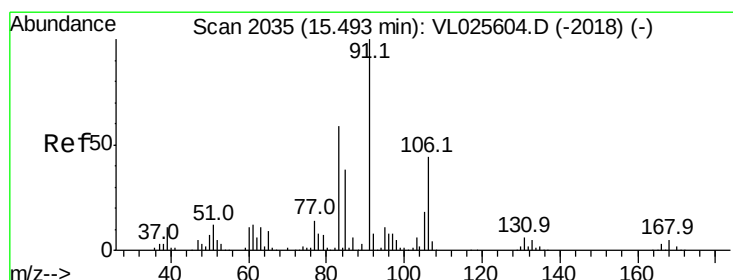
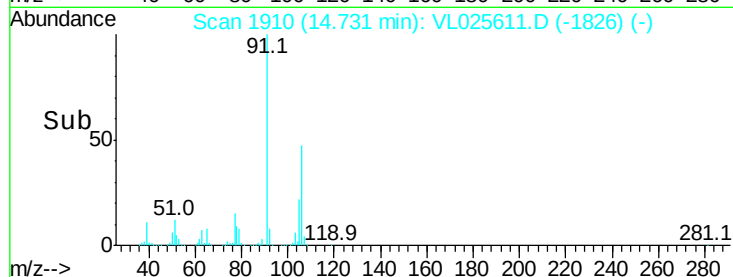
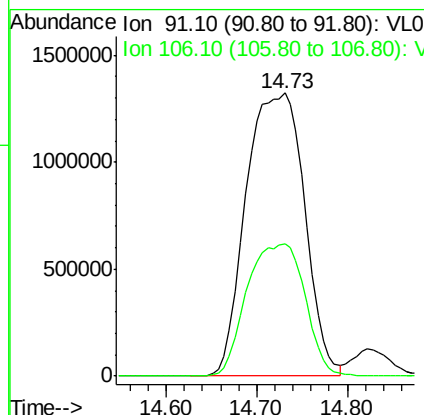
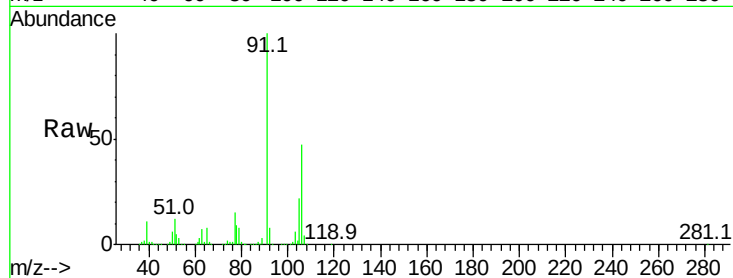




#59
m/p-Xylene
Concen: 14.54 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

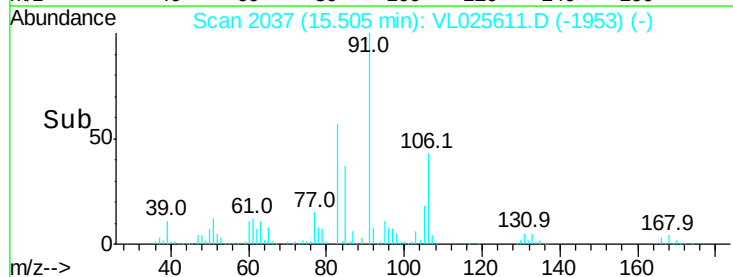
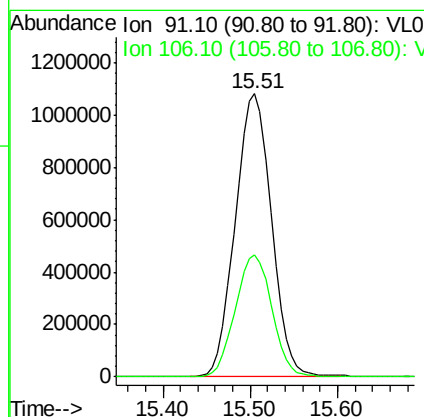
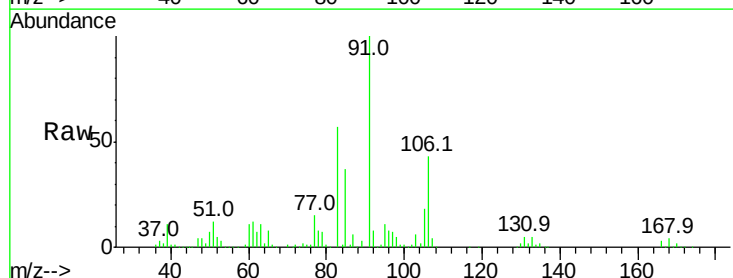
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070715

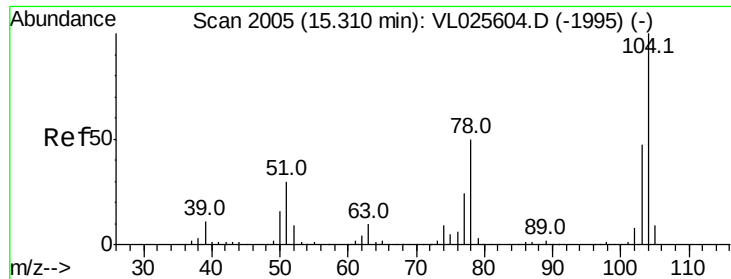
Tgt Ion: 91 Resp: 5891054
Ion Ratio Lower Upper
91 100
106 46.7 37.9 56.9



#60
o-Xylene
Concen: 7.13 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

Tgt Ion: 91 Resp: 3113120
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.1

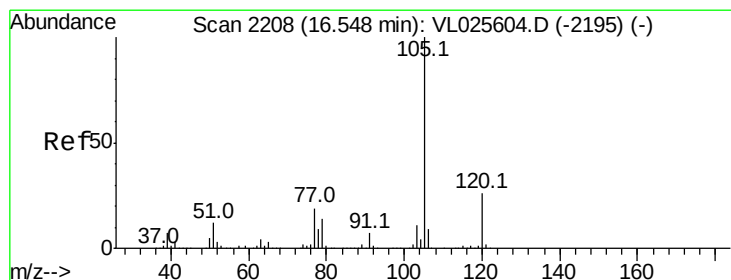
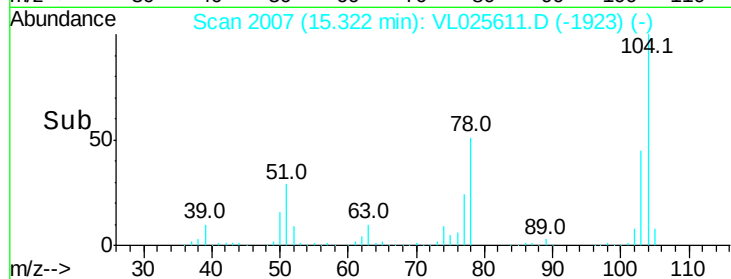
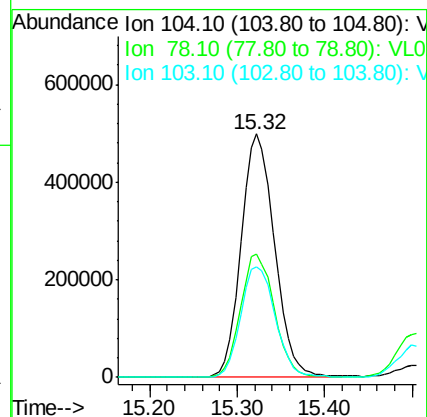
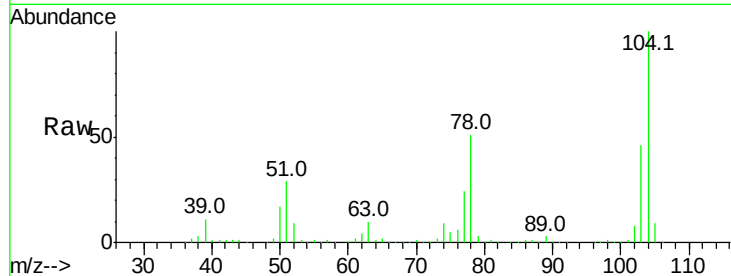




#61
Styrene
Concen: 8.70 ppbv
RT: 15.32 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

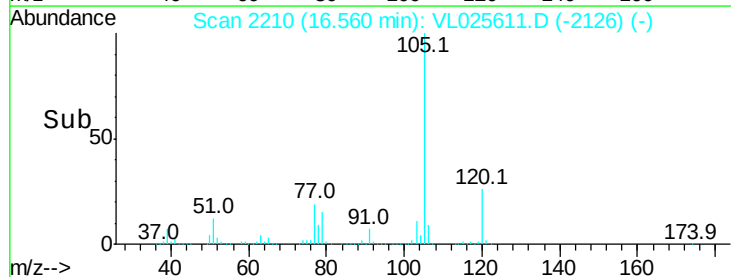
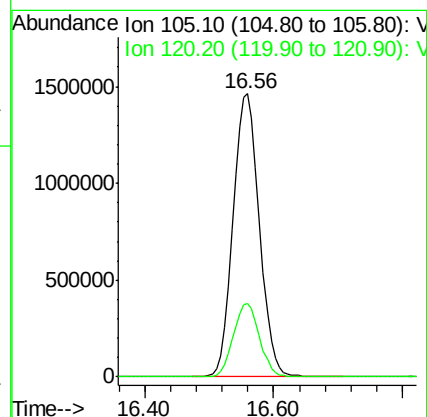
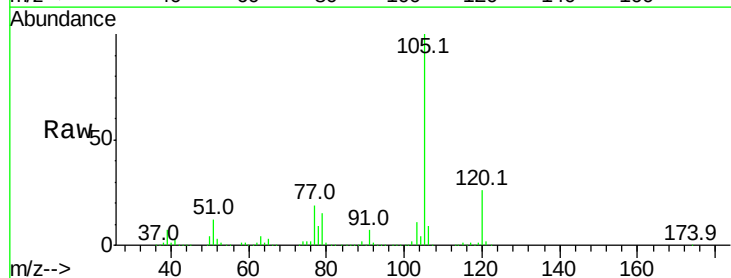
Instrument :
MSVOA_L
ClientSampleId :
ICVVL070715

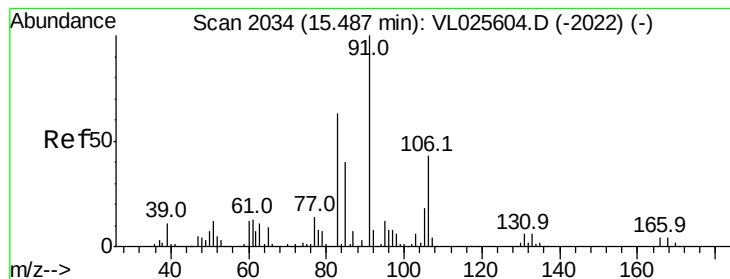
Tgt Ion:104 Resp: 1330400
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 47.3 37.4 56.2



#62
Isopropylbenzene
Concen: 7.32 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VL025611.D
Acq: 7 Jul 2015 15:54

Tgt Ion:105 Resp: 4176531
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 6.62 ppbv

RT: 15.50 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

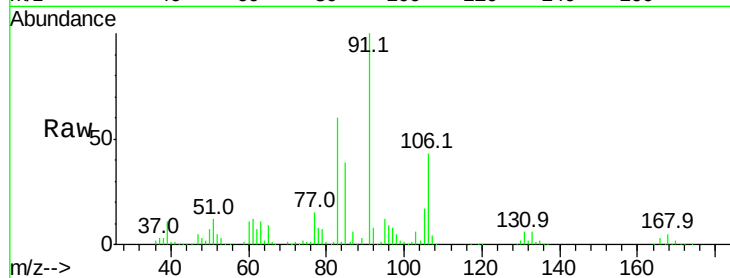
MSVOA_L

ClientSampleId :

ICVVL070715

Tgt Ion: 83 Resp: 1953587

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	65.2	32.4	97.2

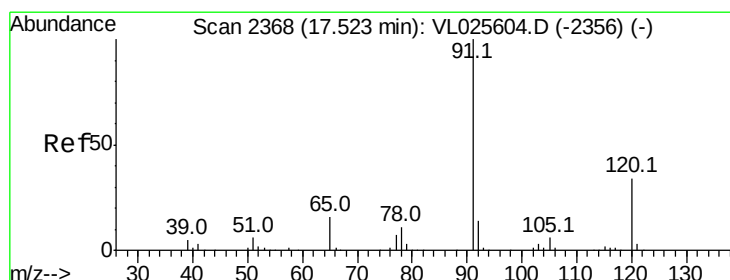
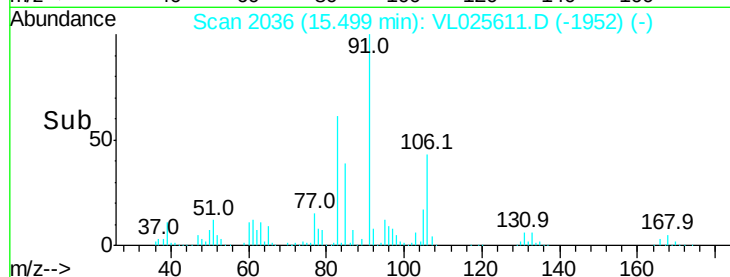
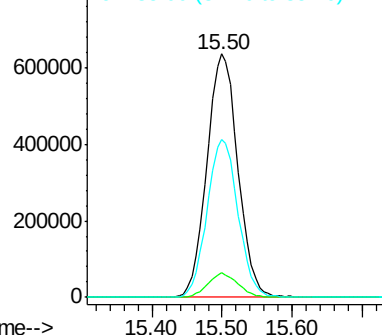


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.38 ppbv

RT: 17.54 min Scan# 2370

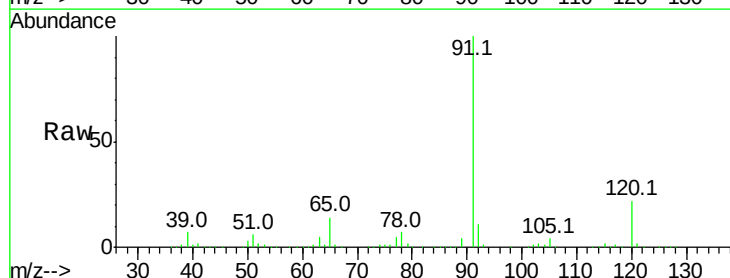
Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Tgt Ion: 120 Resp: 1138723

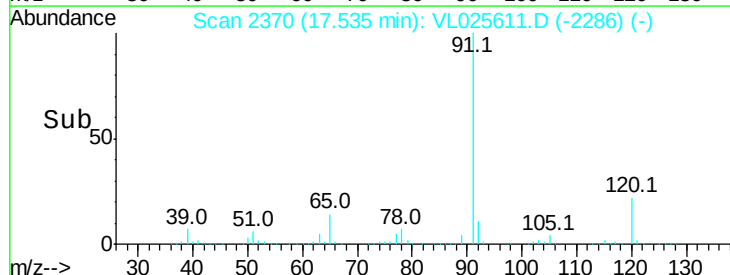
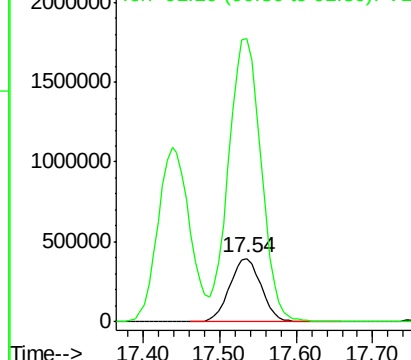
Ion	Ratio	Lower	Upper
120	100		
91	457.3	370.5	555.7

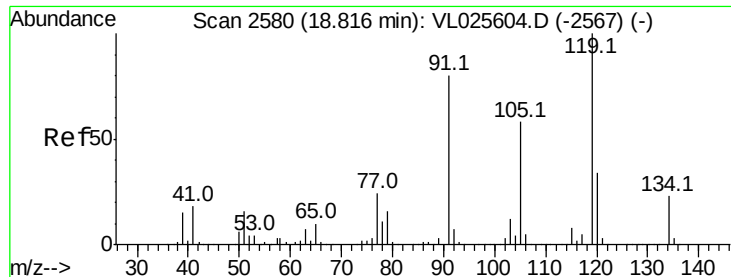


Abundance

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

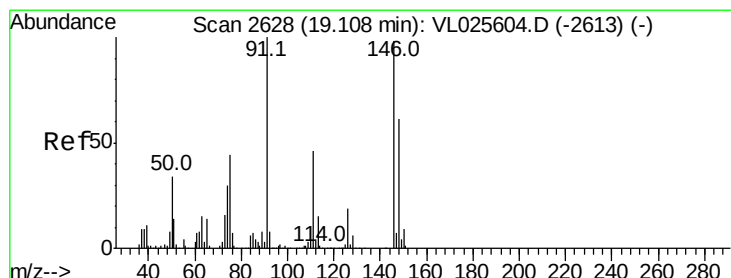
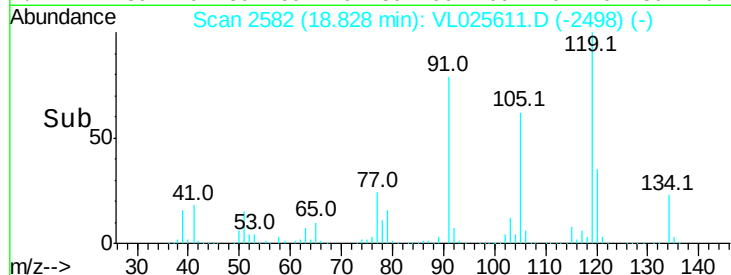
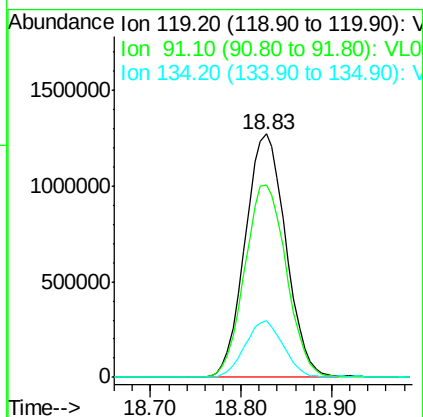
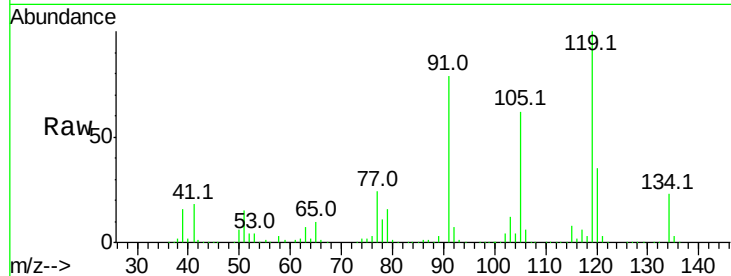




#65
 tert-Butylbenzene
 Concen: 7.06 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

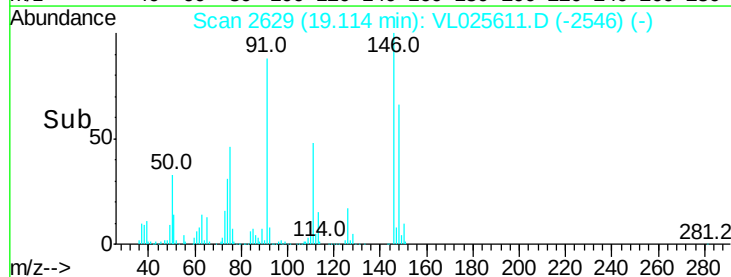
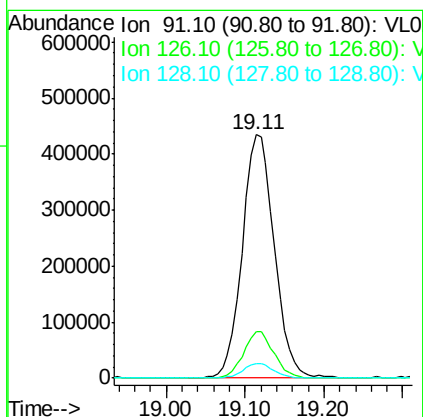
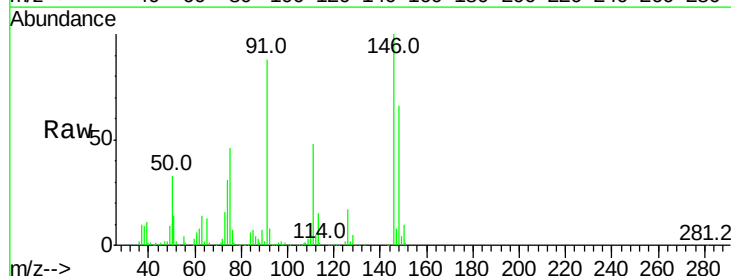
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070715

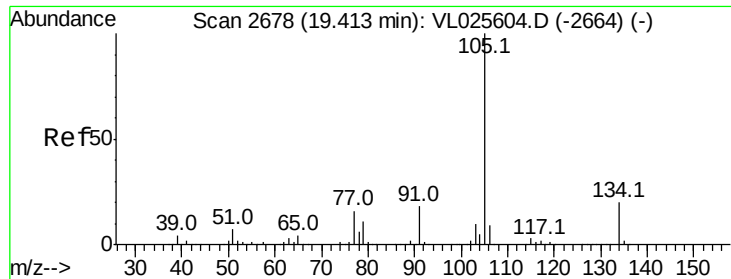
Tgt Ion: 119 Resp: 3953049
 Ion Ratio Lower Upper
 119 100
 91 80.9 64.5 96.7
 134 22.3 17.4 26.0



#66
 Benzyl Chloride
 Concen: 5.94 ppbv
 RT: 19.11 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Tgt Ion: 91 Resp: 1220000
 Ion Ratio Lower Upper
 91 100
 126 18.3 14.5 21.7
 128 5.8 4.6 7.0





#67

sec-Butylbenzene

Concen: 7.19 ppbv

RT: 19.43 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

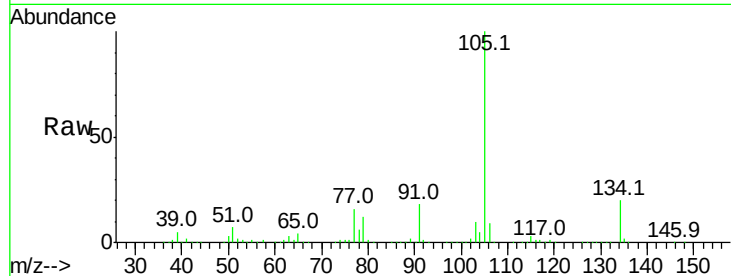
ICVVL070715

Tgt Ion:105 Resp: 5642810

Ion Ratio Lower Upper

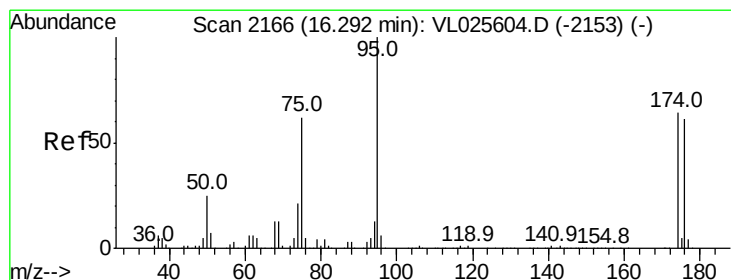
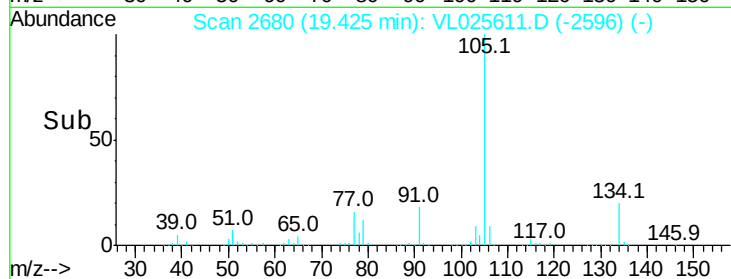
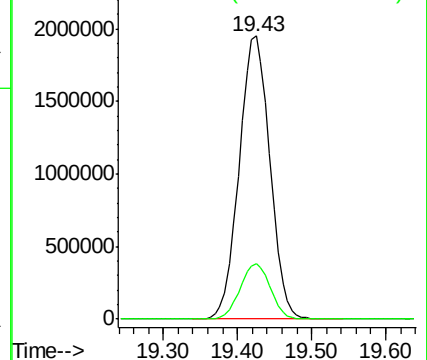
105 100

134 19.4 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: 8.18 ppbv

RT: 16.30 min Scan# 2168

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

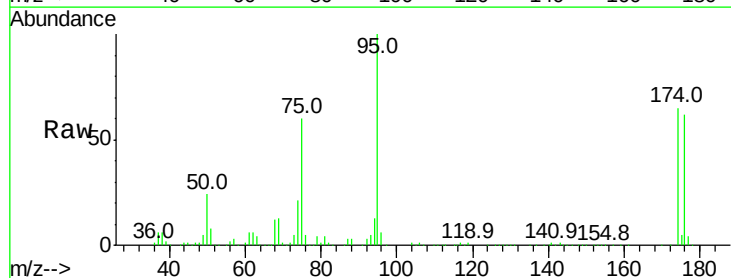
Tgt Ion: 95 Resp: 1926937

Ion Ratio Lower Upper

95 100

174 64.9 52.0 78.0

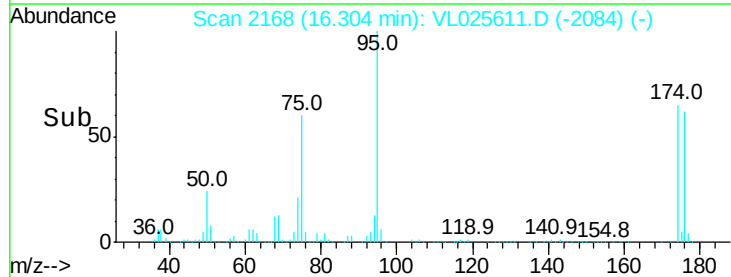
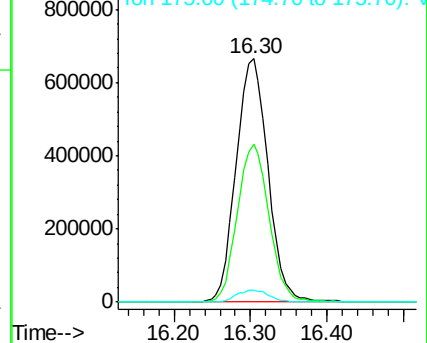
175 5.0 3.9 5.9

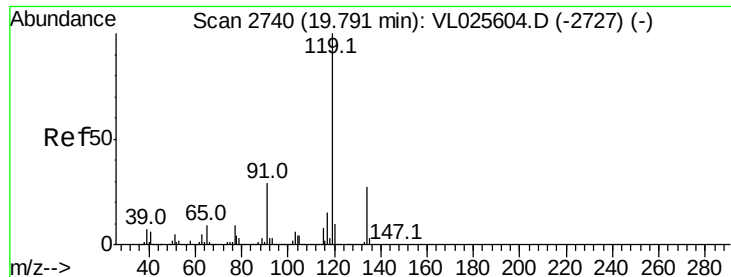


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

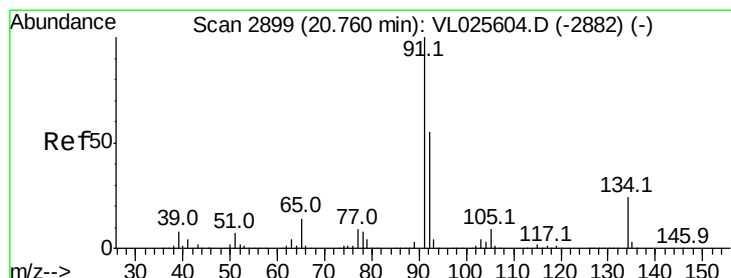
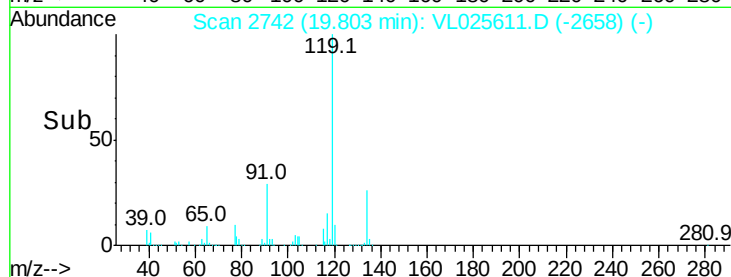
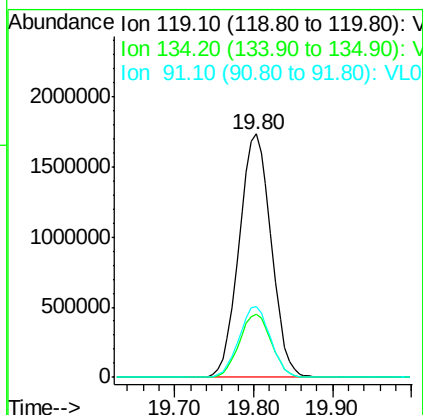
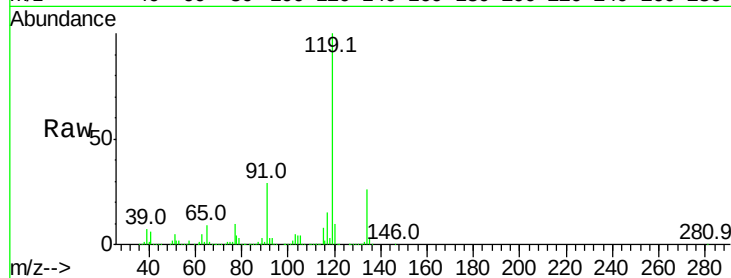




#69
 p-Isopropyltoluene
 Concen: 7.58 ppbv
 RT: 19.80 min Scan# 2742
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

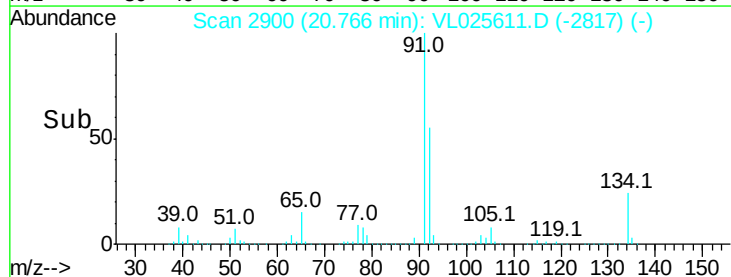
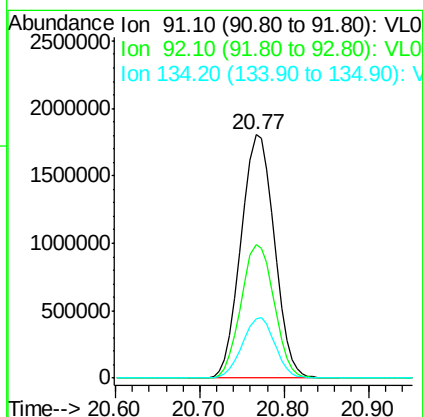
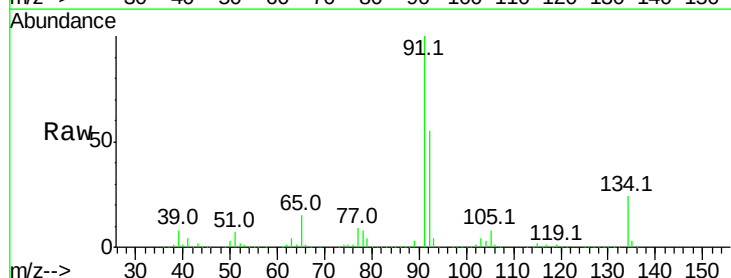
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070715

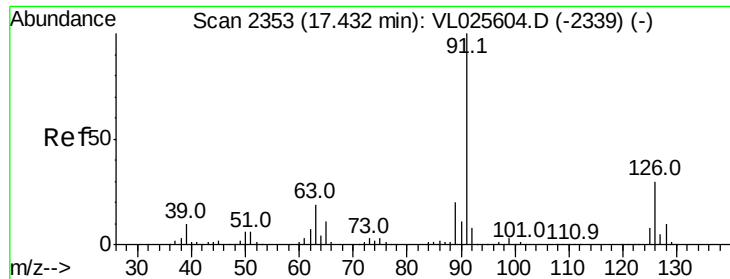
Tgt Ion: 119 Resp: 4900119
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.7 31.1
 91 28.6 22.6 34.0



#70
 n-Butylbenzene
 Concen: 7.40 ppbv
 RT: 20.77 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Tgt Ion: 91 Resp: 4852356
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.3 66.5
 134 24.3 19.4 29.2

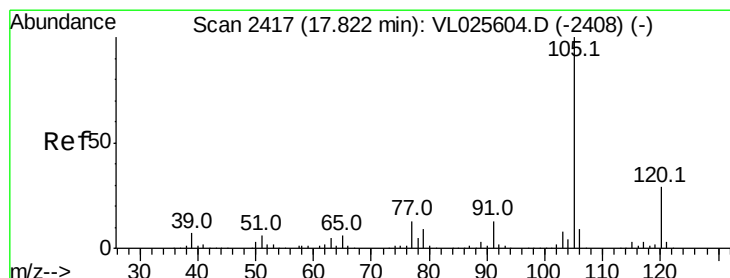
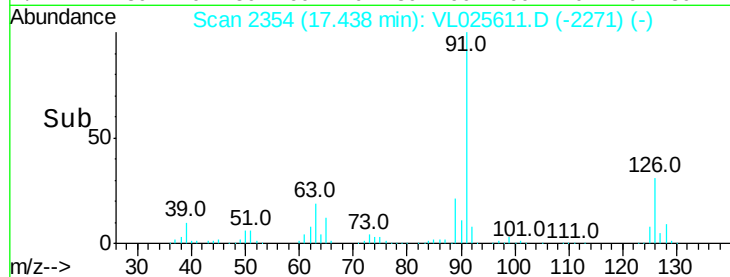
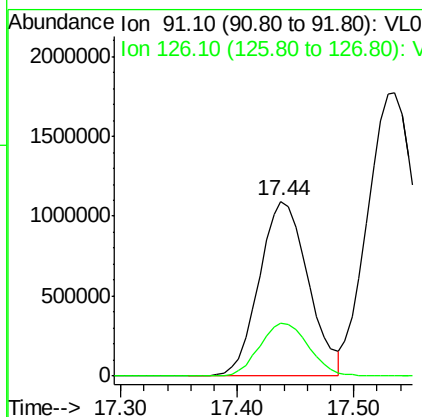
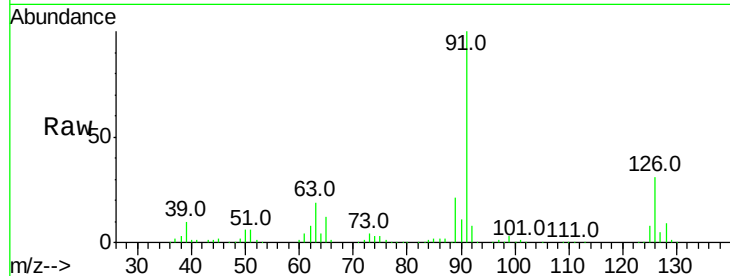




#71
 2-Chlorotoluene
 Concen: 7.60 ppbv
 RT: 17.44 min Scan# 2354
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

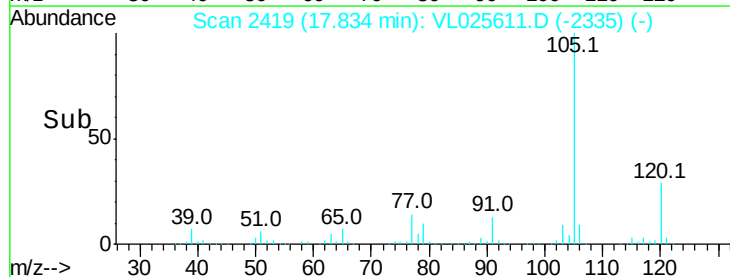
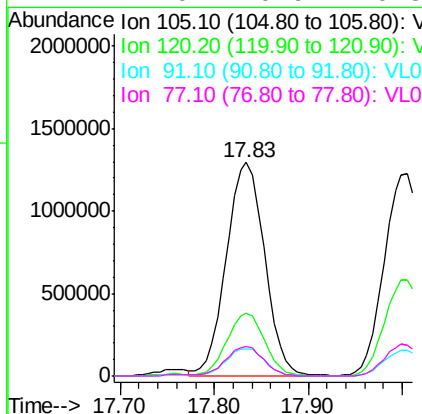
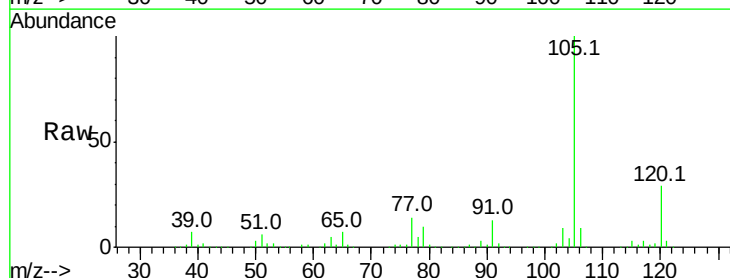
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070715

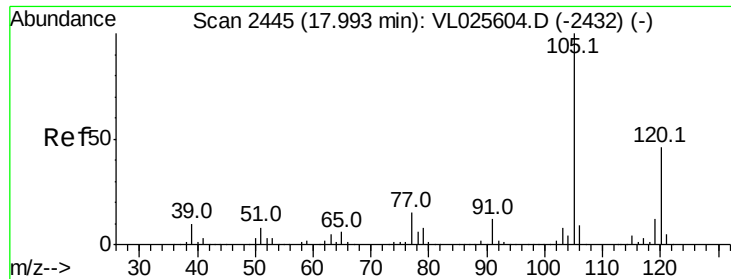
Tgt Ion: 91 Resp: 3181190
 Ion Ratio Lower Upper
 91 100
 126 31.0 12.2 49.0



#72
 4-Ethyltoluene
 Concen: 7.63 ppbv
 RT: 17.83 min Scan# 2419
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Tgt Ion: 105 Resp: 3682948
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.9 35.9
 91 13.4 10.3 15.5
 77 14.0 10.9 16.3

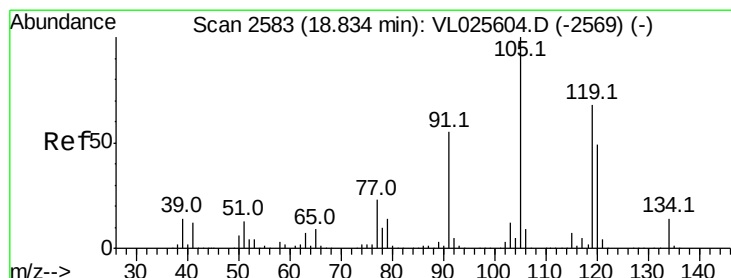
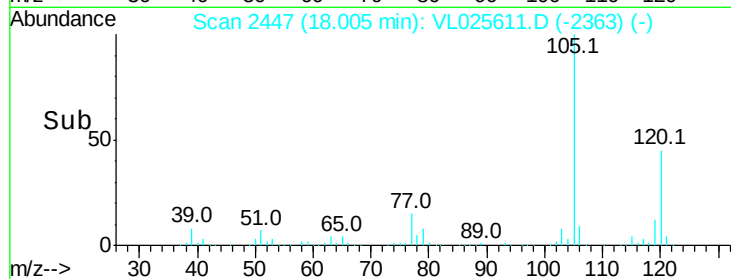
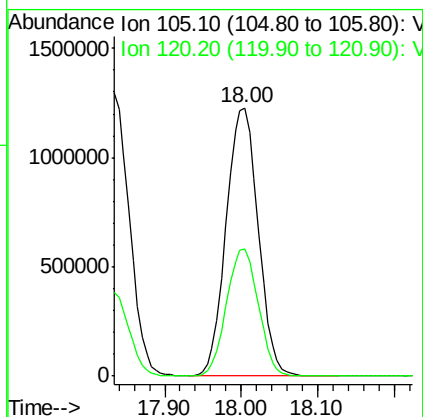
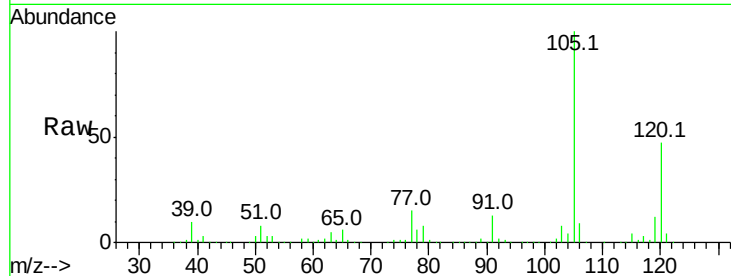




#73
 1,3,5-Trimethylbenzene
 Concen: 7.50 ppbv
 RT: 18.00 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

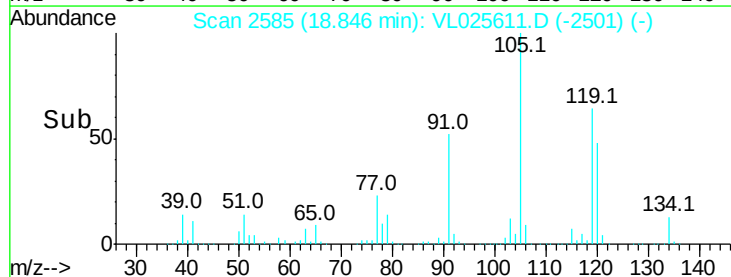
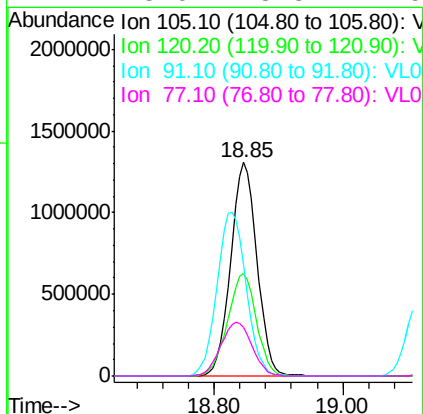
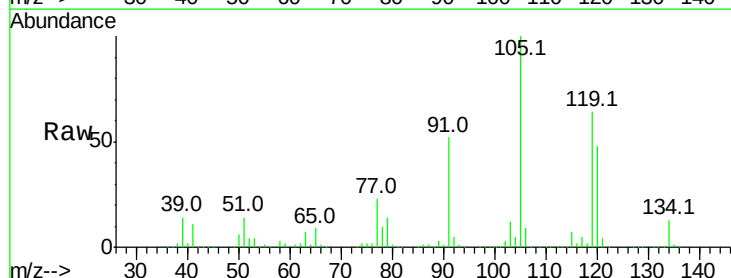
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070715

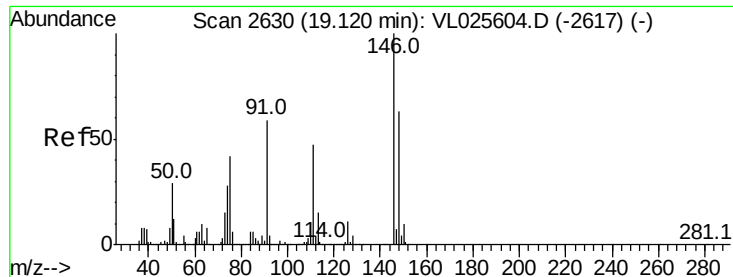
Tgt Ion:105 Resp: 3557902
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.02 ppbv
 RT: 18.85 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Tgt Ion:105 Resp: 3726240
 Ion Ratio Lower Upper
 105 100
 120 47.9 39.3 58.9
 91 52.3 43.8 65.6
 77 23.0 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 6.85 ppbv

RT: 19.13 min Scan# 2632

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

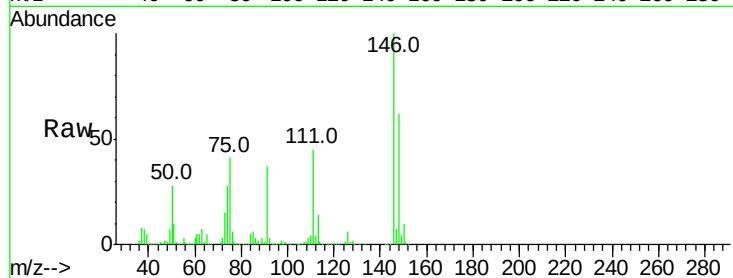
Tgt Ion:146 Resp: 2368333

Ion Ratio Lower Upper

146 100

111 45.2 22.7 68.1

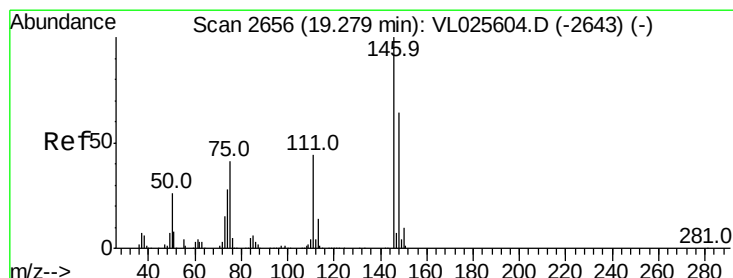
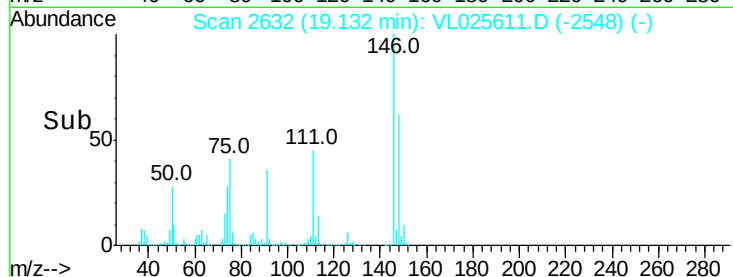
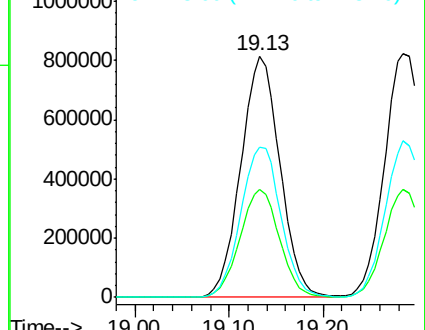
148 64.0 31.8 95.3



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



#76

1,4-Dichlorobenzene

Concen: 7.01 ppbv

RT: 19.28 min Scan# 2657

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

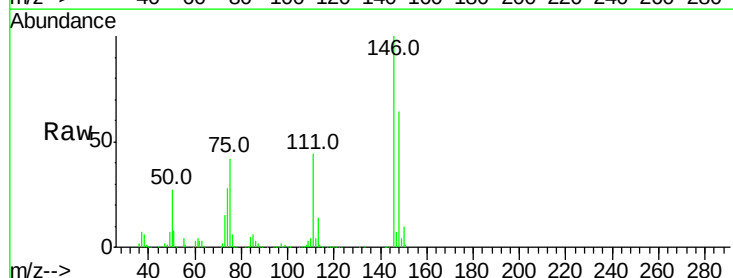
Tgt Ion:146 Resp: 2428923

Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.1

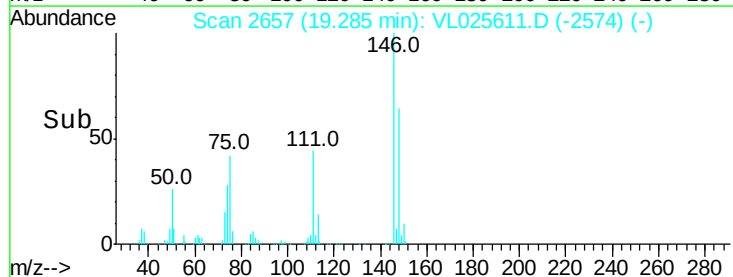
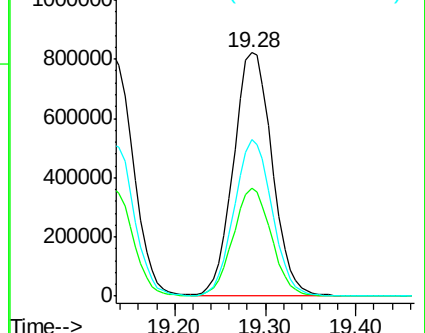
148 63.2 31.9 95.9

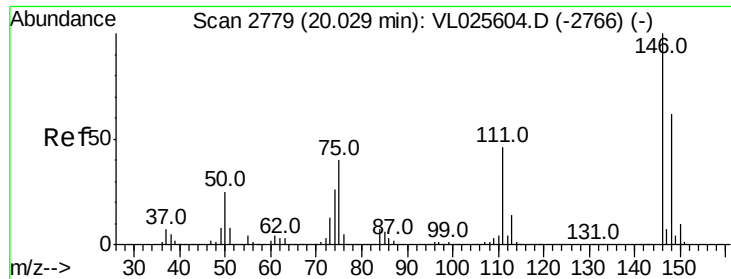


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.88 ppbv

RT: 20.04 min Scan# 2781

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

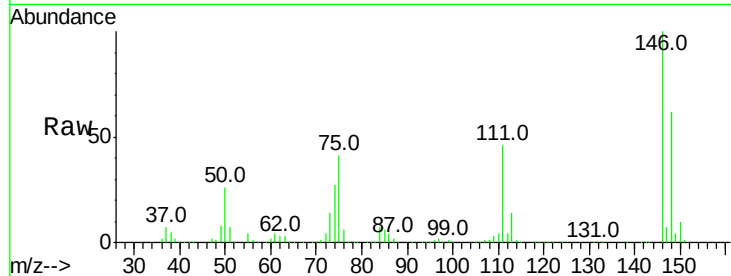
Tgt Ion:146 Resp: 2360009

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.3

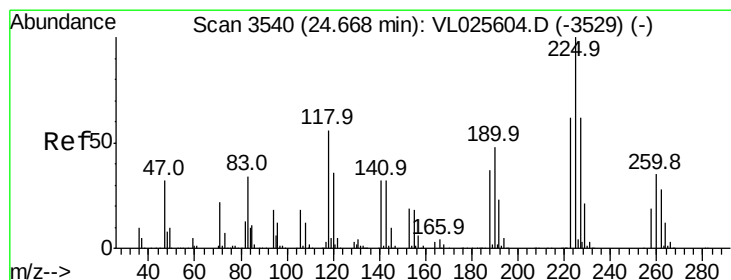
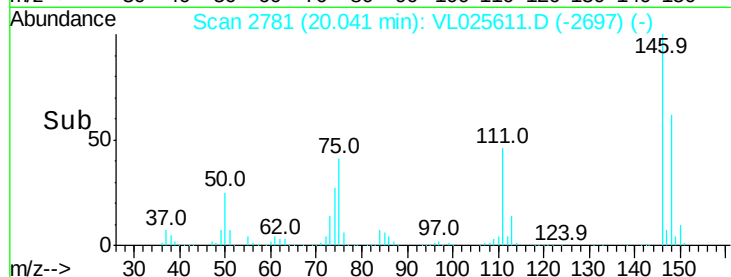
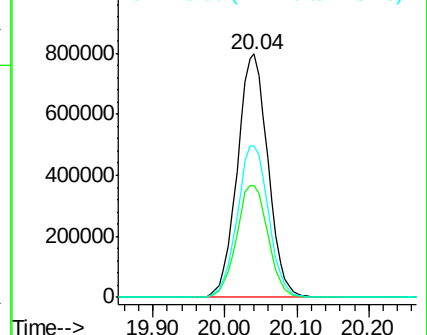
148 63.5 31.6 94.8



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



#78

Hexachloro-1,3-Butadiene

Concen: 6.32 ppbv

RT: 24.68 min Scan# 3542

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

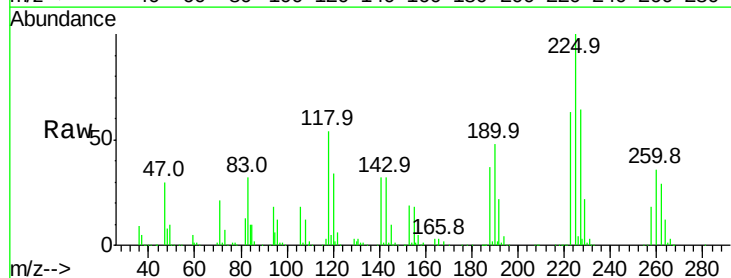
Tgt Ion:225 Resp: 1333930

Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

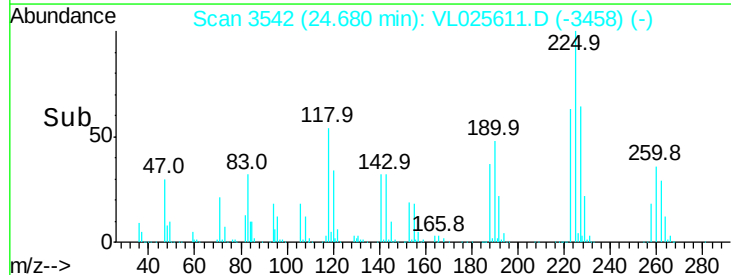
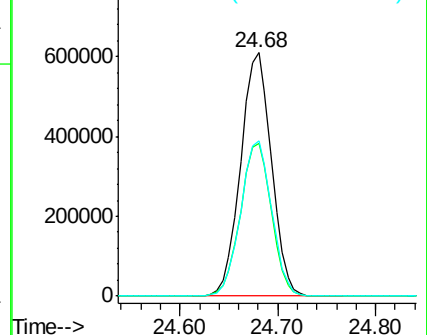
227 64.1 50.5 75.7

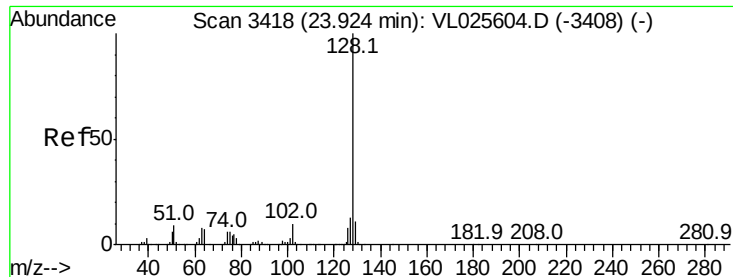


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.64 ppbv

RT: 23.94 min Scan# 3420

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL070715

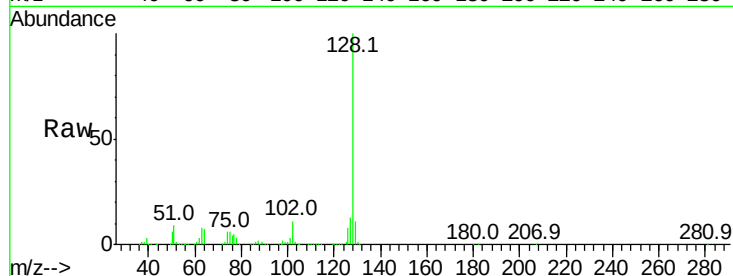
Tgt Ion:128 Resp: 3404936

Ion Ratio Lower Upper

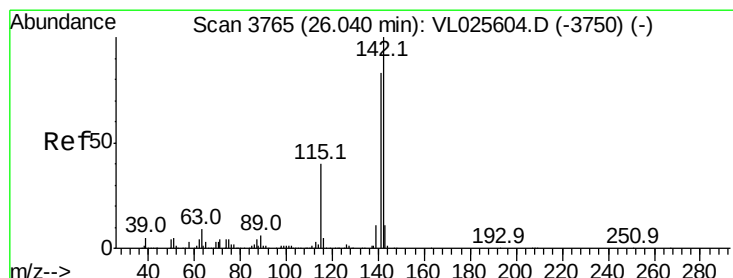
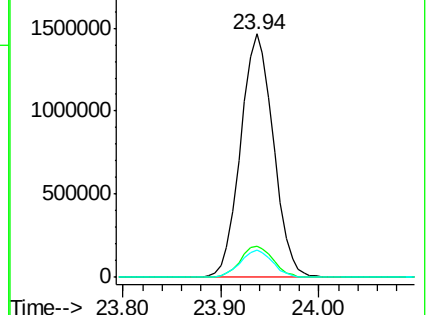
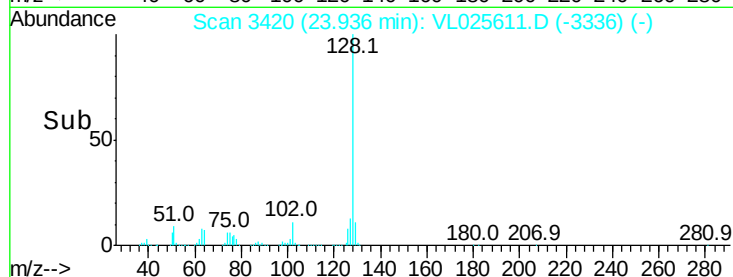
128 100

127 12.9 10.8 16.2

129 11.3 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: 3.92 ppbv

RT: 26.05 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VL025611.D

Acq: 7 Jul 2015 15:54

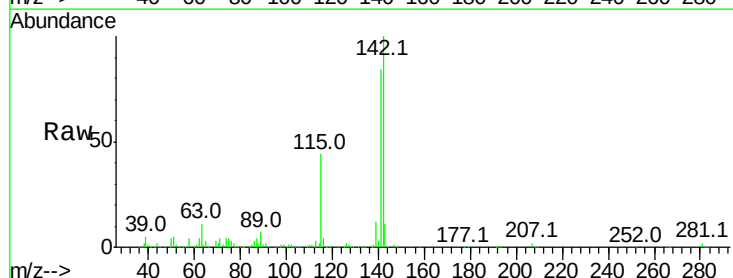
Tgt Ion:142 Resp: 584866

Ion Ratio Lower Upper

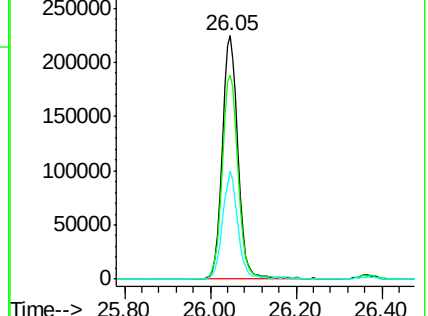
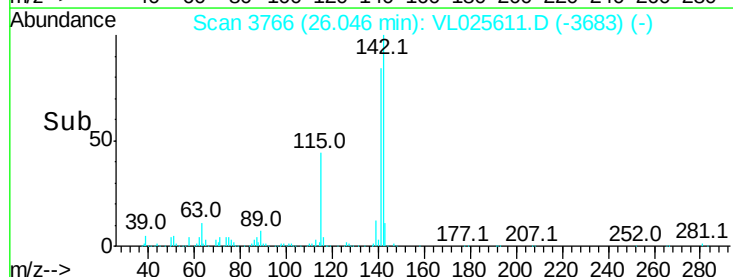
142 100

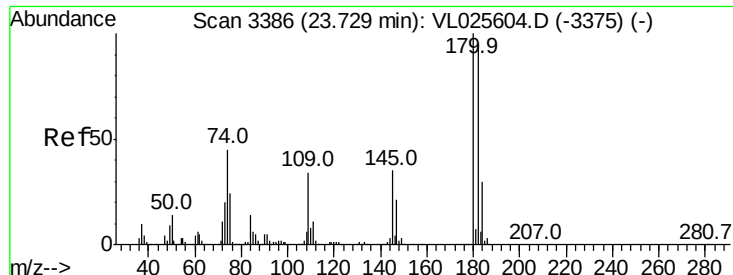
141 84.8 67.1 100.7

115 42.4 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





#81
 1,2,4-Trichlorobenzene
 Concen: 7.17 ppbv
 RT: 23.74 min Scan# 3388
 Delta R.T. 0.01 min
 Lab File: VL025611.D
 Acq: 7 Jul 2015 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070715

Tgt Ion:180 Resp: 1764598
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.1 114.1
 184 30.5 24.4 36.6

