

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025818.D
 Acq On : 31 Jul 2015 18:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 03 04:40:41 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	6.68	49	660221	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.35	114	1819452	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.77	117	2781365	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.32	95	1875539	7.99	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	1670786	9.77	ppbv	100
3) Chlorodifluoromethane	3.58	51	790741	8.50	ppbv	98
4) Chloromethane	3.76	50	376184	8.86	ppbv	99
5) Vinyl Chloride	3.90	62	418844	9.14	ppbv	98
6) Bromomethane	4.15	94	326345	8.77	ppbv	97
7) Chloroethane	4.25	64	189234	8.87	ppbv	100
8) Dichlorotetrafluoroethane	3.82	85	1268260	8.45	ppbv	100
9) Propene	3.61	41	278888	9.02	ppbv	100
10) Heptane	9.38	43	1131827	9.40	ppbv	98
11) Trichlorofluoromethane	4.71	101	1841490	8.30	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1084342	8.52	ppbv	100
13) Ethanol	4.35	45	42850	8.92	ppbv	99
14) Bromoethene	4.46	108	370752	8.88	ppbv	99
15) Acetone	4.62	43	919307	7.88	ppbv	99
16) 1,3-Butadiene	3.98	39	413761	8.91	ppbv	99
17) tert-Butyl alcohol	5.14	59	820273	8.38	ppbv	100
18) 1,1-Dichloroethene	5.10	96	429840	8.82	ppbv	99
19) Isopropyl Alcohol	4.76	45	407277	8.75	ppbv #	99
20) Methylene Chloride	5.17	84	396963	8.38	ppbv	94
21) Allyl Chloride	5.25	41	651605	8.92	ppbv	98
22) trans-1,2-Dichloroethene	5.78	96	457546	9.20	ppbv	98
23) Vinyl Acetate	6.00	43	1641124	9.29	ppbv	99
24) 1,1-Dichloroethane	5.93	63	1068627	9.02	ppbv	99
25) Ethyl Acetate	6.69	43	1653532	9.37	ppbv	100
26) Hexane	6.68	57	774021	9.31	ppbv	99
27) Carbon Disulfide	5.40	76	1249661	9.29	ppbv	98
28) Methyl tert-Butyl Ether	5.97	73	1557036	9.42	ppbv	100
29) Chloroform	6.77	83	1417817	8.64	ppbv	99
30) Cyclohexane	8.31	84	761014	9.58	ppbv	98
31) cis-1,2-Dichloroethene	6.54	61	806789	9.77	ppbv	99
32) 1,1,1-Trichloroethane	7.62	97	1544353	8.66	ppbv	99
34) 2-Butanone	6.22	43	1008044	9.76	ppbv	100
35) Carbon Tetrachloride	8.18	117	1658650	8.56	ppbv	99
36) Benzene	8.05	78	1674502	9.61	ppbv	98
37) 1,2-Dichloroethane	7.40	62	1300816	8.74	ppbv	99
38) Trichloroethene	9.09	130	748966	9.24	ppbv	96
39) 1,2-Dichloropropane	8.85	63	592087	9.20	ppbv	96
40) 1,4-Dioxane	9.14	88	126001	12.48	ppbv	59
41) Tetrahydrofuran	7.14	42	533764	10.36	ppbv	99
42) Bromodichloromethane	9.05	83	1642930	9.15	ppbv	99
43) Methyl Methacrylate	9.29	69	691430	10.34	ppbv	99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025818.D
 Acq On : 31 Jul 2015 18:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 03 04:40:41 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 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

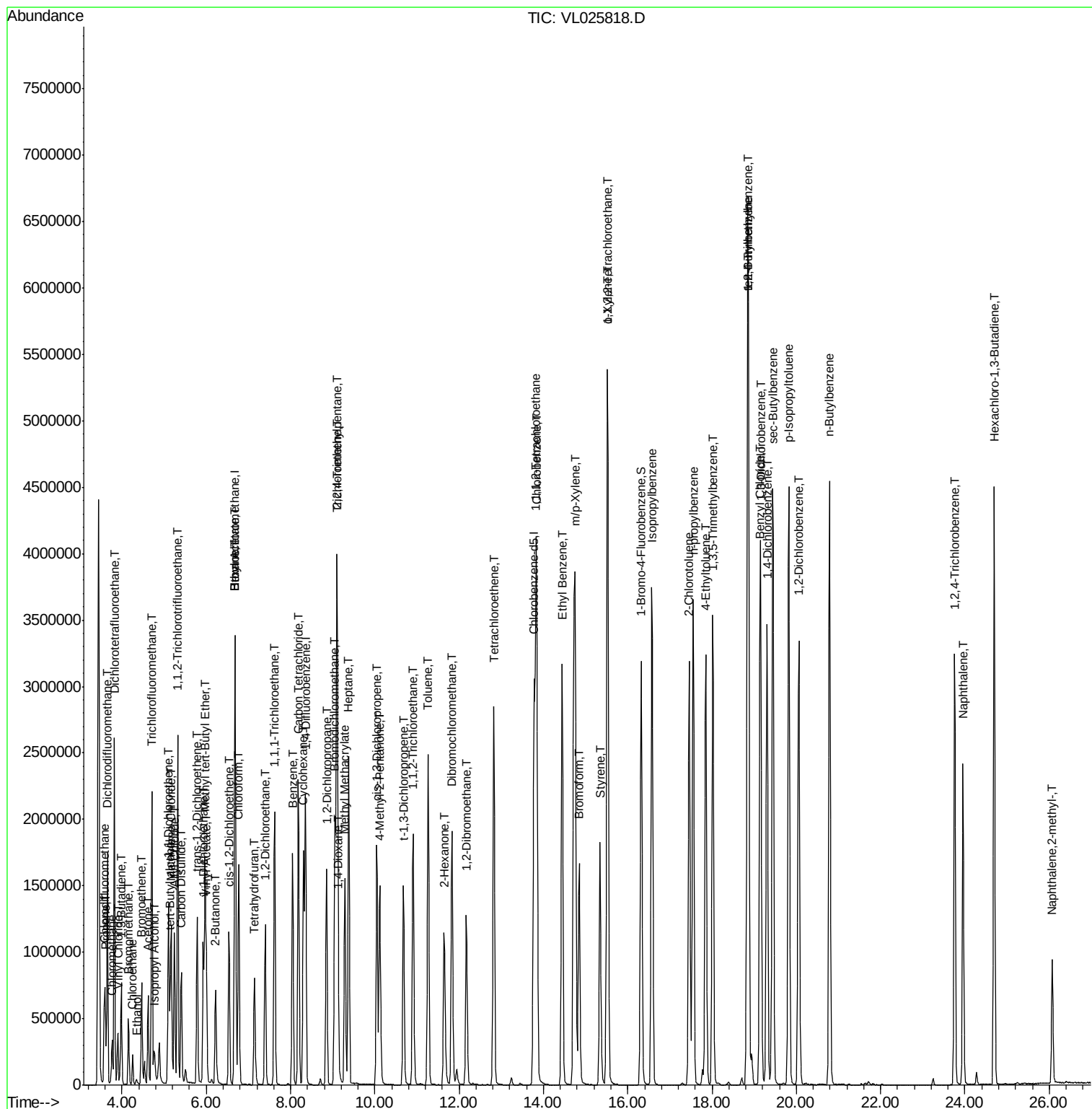
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.11	57	2825976	9.45	ppbv	99
45) t-1,3-Dichloropropene	10.68	75	1099943	9.78	ppbv	99
46) cis-1,3-Dichloropropene	10.04	75	1244825	10.01	ppbv	98
47) 1,1,2-Trichloroethane	10.91	97	796500	8.89	ppbv	98
48) Dibromochloromethane	11.83	129	1424287	8.89	ppbv	99
49) Bromoform	14.85	173	1153891	8.73	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	1454112	9.78	ppbv	98
51) 2-Hexanone	11.64	43	1389199	10.41	ppbv #	99
52) Tetrachloroethene	12.82	164	811301	9.28	ppbv	97
53) Toluene	11.26	91	2340731	9.56	ppbv	99
54) 1,2-Dibromoethane	12.17	107	1279803	8.83	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.82	131	1051044	6.99	ppbv	98
57) Chlorobenzene	13.84	112	2051233	6.93	ppbv	98
58) Ethyl Benzene	14.44	91	3583381	7.80	ppbv	100
59) m/p-Xylene	14.75	91	5818057	14.41	ppbv	99
60) o-Xylene	15.52	91	3056780	7.03	ppbv	100
61) Styrene	15.34	104	1326969	8.71	ppbv	100
62) Isopropylbenzene	16.57	105	4043367	7.12	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.52	83	1941555	6.60	ppbv	99
64) n-propylbenzene	17.55	120	1072600	6.98	ppbv	95
65) tert-Butylbenzene	18.85	119	3750912	6.72	ppbv	99
66) Benzyl Chloride	19.13	91	1265166	6.18	ppbv	100
67) sec-Butylbenzene	19.44	105	5247391	6.71	ppbv	100
69) p-Isopropyltoluene	19.82	119	4351958	6.76	ppbv	100
70) n-Butylbenzene	20.78	91	4236226	6.48	ppbv	99
71) 2-Chlorotoluene	17.46	91	3054360	7.33	ppbv	99
72) 4-Ethyltoluene	17.85	105	3454449	7.19	ppbv	100
73) 1,3,5-Trimethylbenzene	18.02	105	3321461	7.03	ppbv	100
74) 1,2,4-Trimethylbenzene	18.86	105	3459944	6.54	ppbv	97
75) 1,3-Dichlorobenzene	19.16	146	2155296	6.26	ppbv	100
76) 1,4-Dichlorobenzene	19.30	146	2212535	6.41	ppbv	99
77) 1,2-Dichlorobenzene	20.06	146	2142614	6.27	ppbv	100
78) Hexachloro-1,3-Butadiene	24.70	225	981854	4.67	ppbv	99
79) Naphthalene	23.95	128	2565707	5.02	ppbv	99
80) Naphthalene,2-methyl-	26.07	142	666798	4.49	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	1226431	5.00	ppbv	100

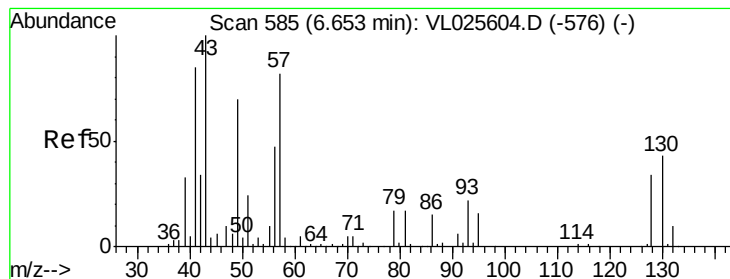
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\  
Data File : VL025818.D  
Acq On    : 31 Jul 2015   18:27  
Operator  : SY/MD  
Sample    : VSTDCCC010  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 03 04:40:41 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 589

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

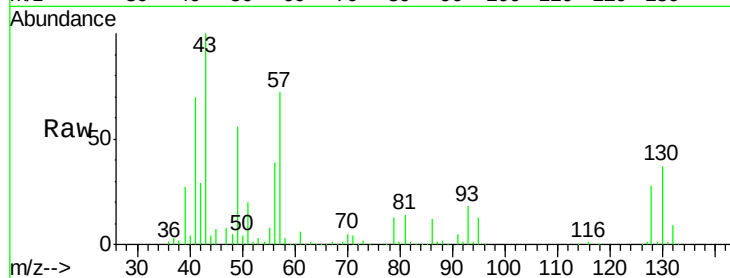
Tgt Ion: 49 Resp: 660221

Ion Ratio Lower Upper

49 100

128 50.1 25.4 76.0

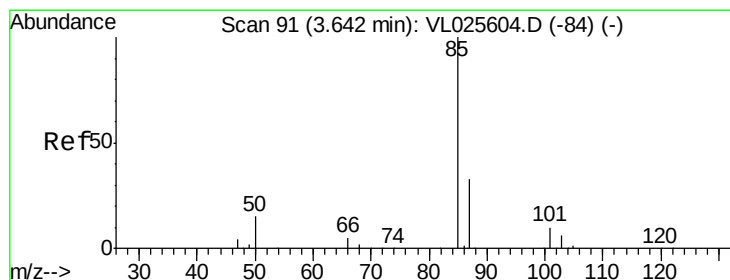
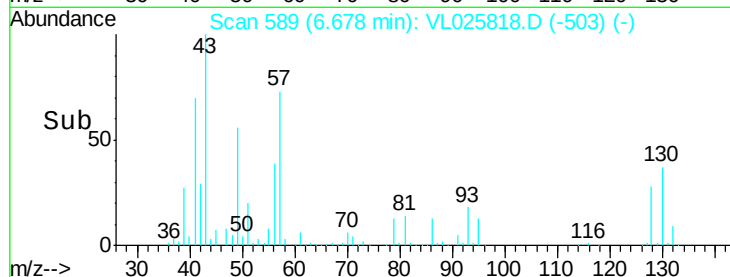
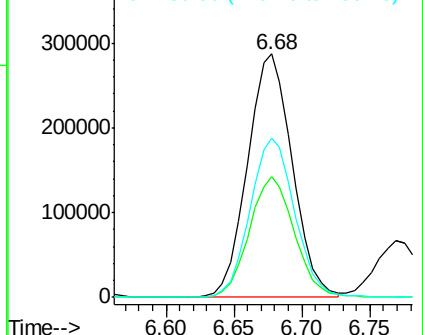
130 65.7 31.9 95.9



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: 9.77 ppbv

RT: 3.65 min Scan# 93

Delta R.T. 0.01 min

Lab File: VL025818.D

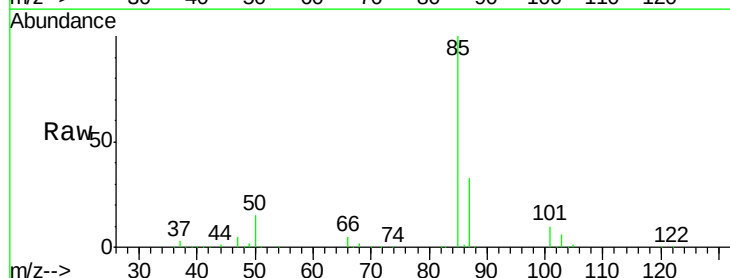
Acq: 31 Jul 2015 18:27

Tgt Ion: 85 Resp: 1670786

Ion Ratio Lower Upper

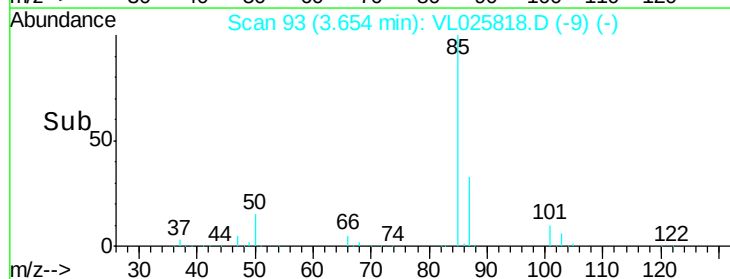
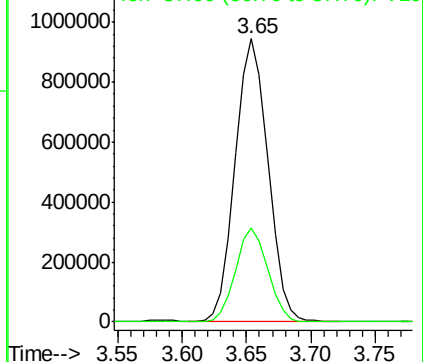
85 100

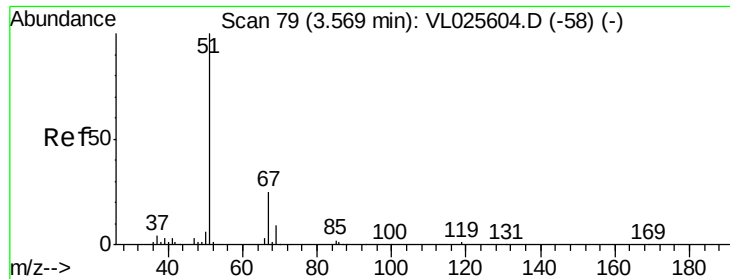
87 33.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.50 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

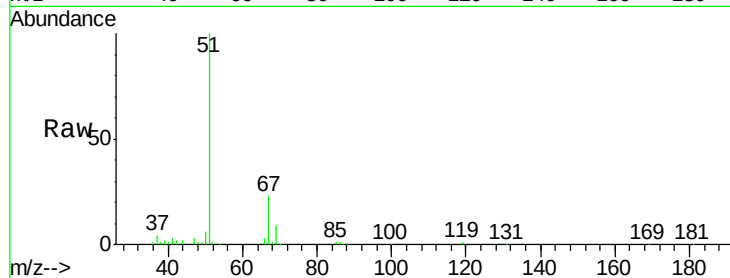
VSTDCCC010

Tgt Ion: 51 Resp: 790741

Ion Ratio Lower Upper

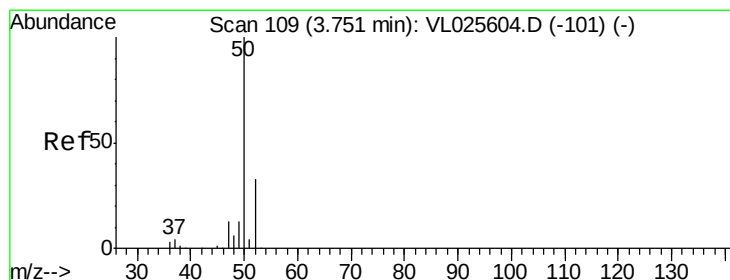
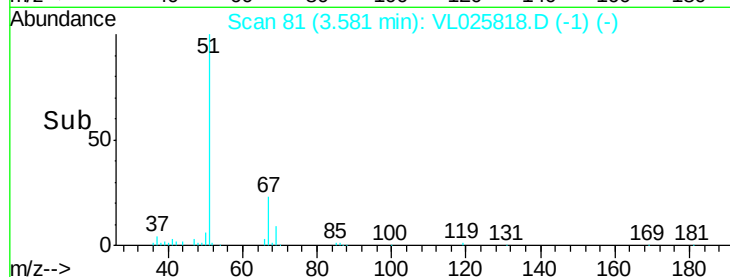
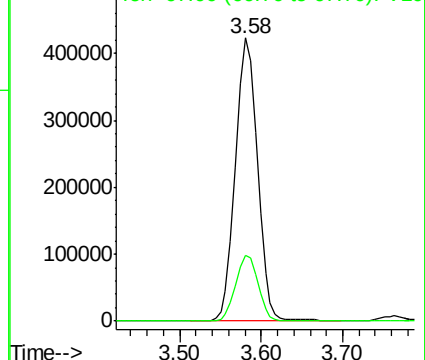
51 100

67 23.6 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: 8.86 ppbv

RT: 3.76 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL025818.D

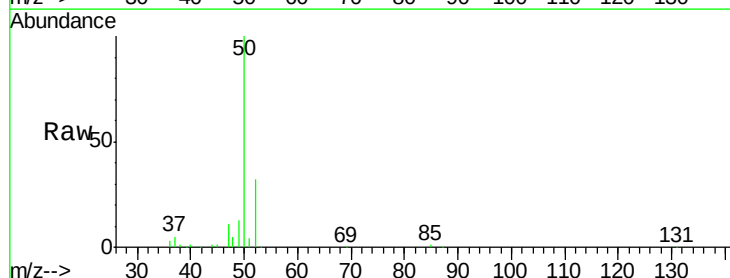
Acq: 31 Jul 2015 18:27

Tgt Ion: 50 Resp: 376184

Ion Ratio Lower Upper

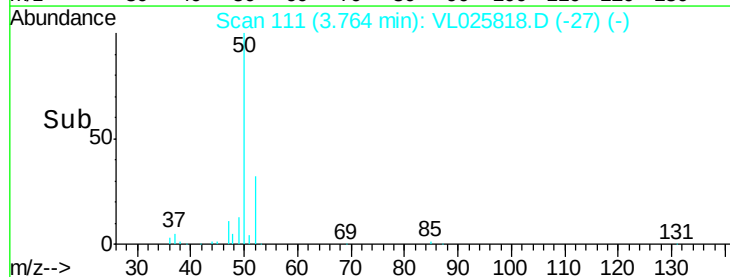
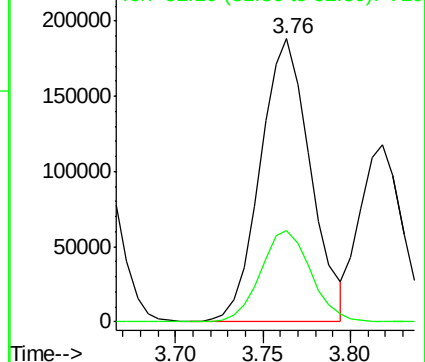
50 100

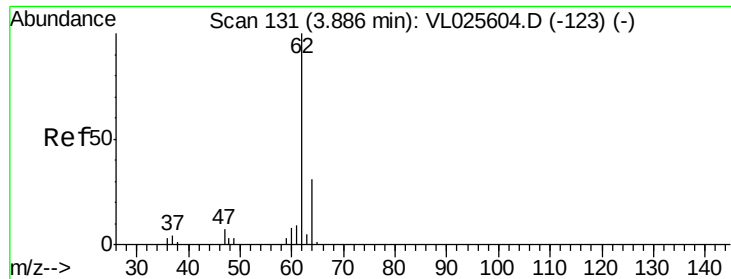
52 32.2 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.14 ppbv

RT: 3.90 min Scan# 134

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

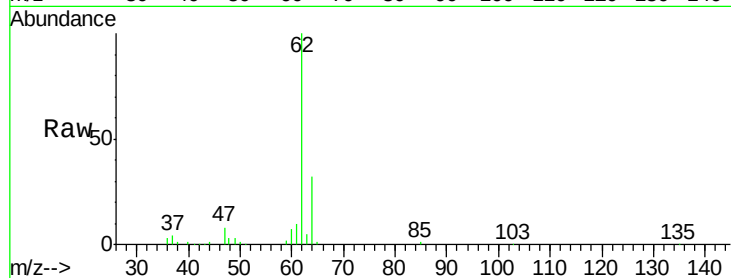
VSTDCCC010

Tgt Ion: 62 Resp: 418844

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.90

200000

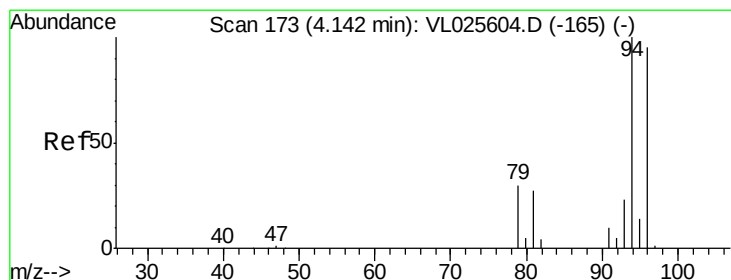
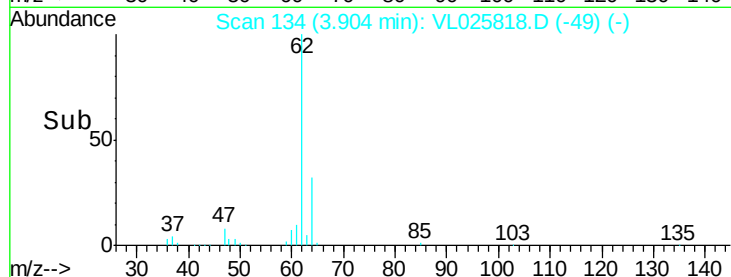
150000

100000

50000

0

Time--> 3.80 3.85 3.90 3.95 4.00



#6

Bromomethane

Concen: 8.77 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL025818.D

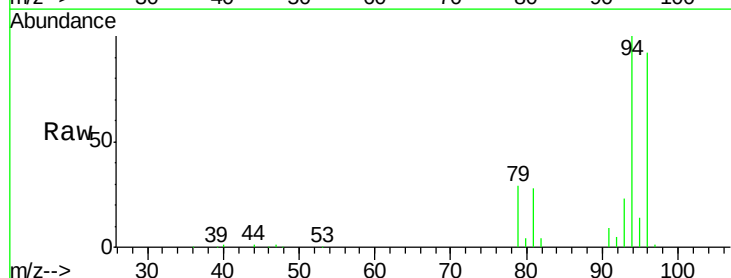
Acq: 31 Jul 2015 18:27

Tgt Ion: 94 Resp: 326345

Ion Ratio Lower Upper

94 100

96 92.2 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

4.15

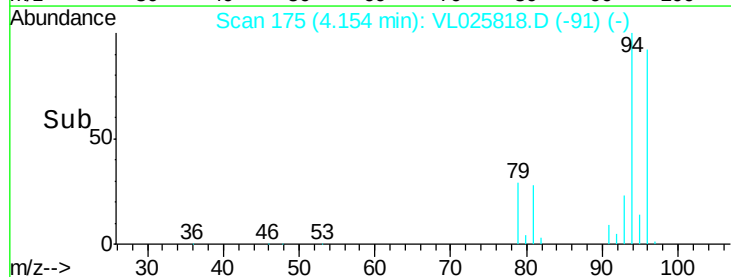
150000

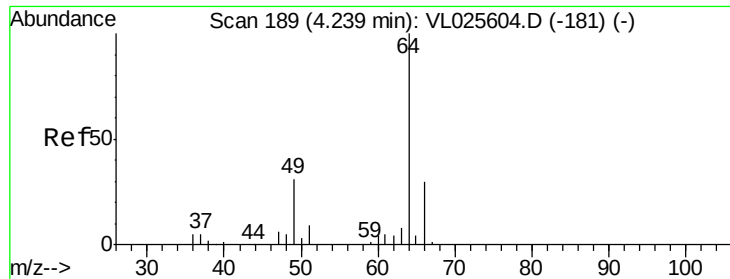
100000

50000

0

Time--> 4.10 4.20





#7

Chloroethane

Concen: 8.87 ppbv

RT: 4.25 min Scan# 191

Delta R.T. 0.01 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

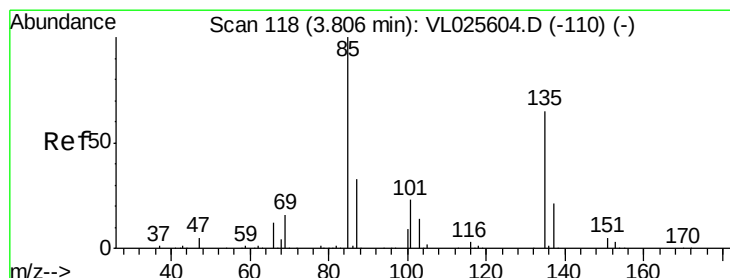
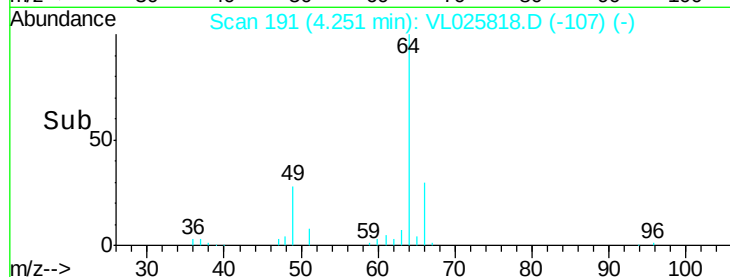
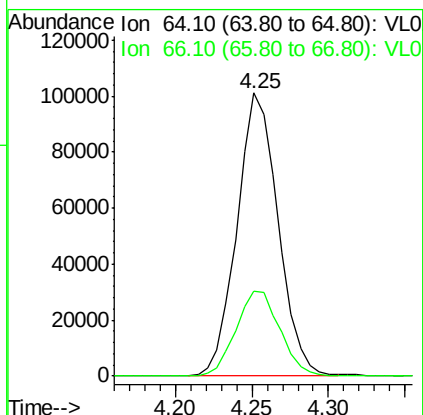
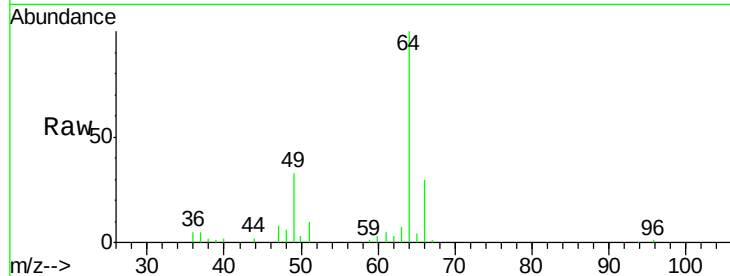
VSTDCCC010

Tgt Ion: 64 Resp: 189234

Ion Ratio Lower Upper

64 100

66 29.8 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 8.45 ppbv

RT: 3.82 min Scan# 120

Delta R.T. 0.01 min

Lab File: VL025818.D

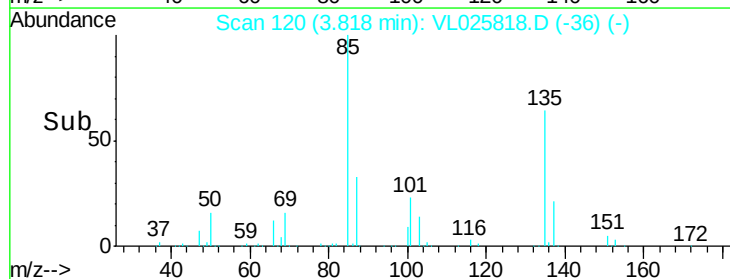
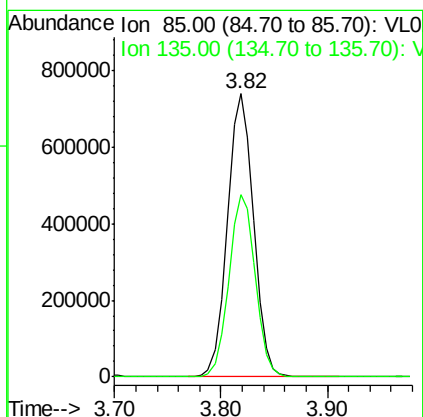
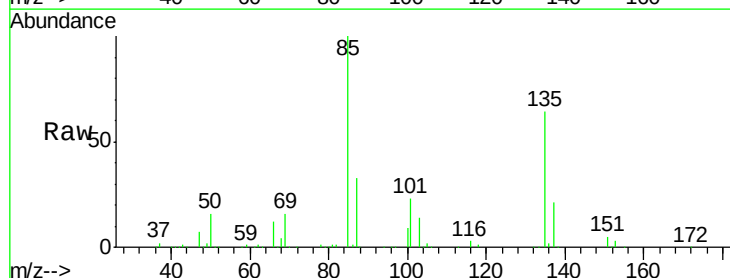
Acq: 31 Jul 2015 18:27

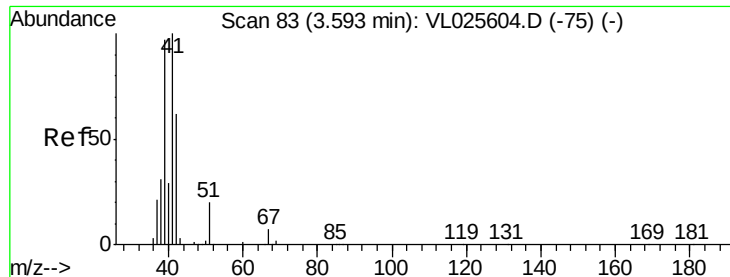
Tgt Ion: 85 Resp: 1268260

Ion Ratio Lower Upper

85 100

135 65.2 52.2 78.4





#9

Propene

Concen: 9.02 ppbv

RT: 3.61 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

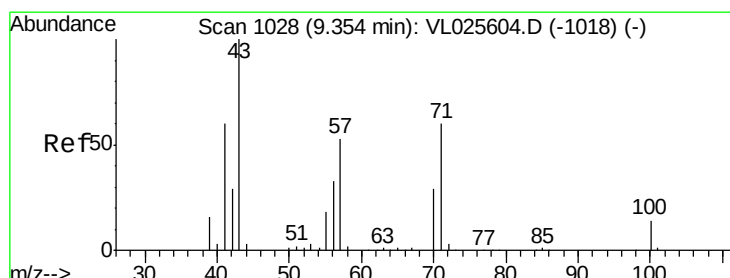
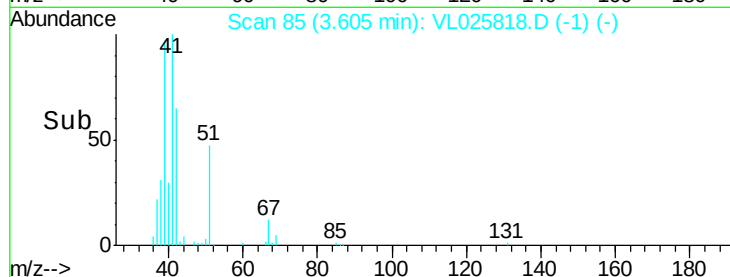
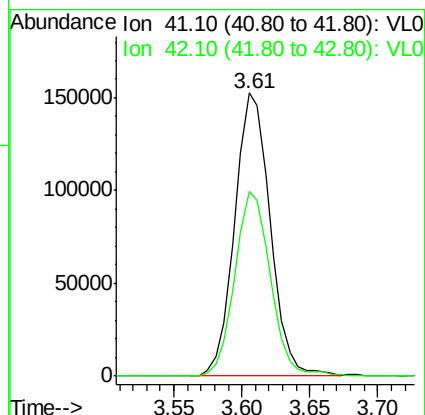
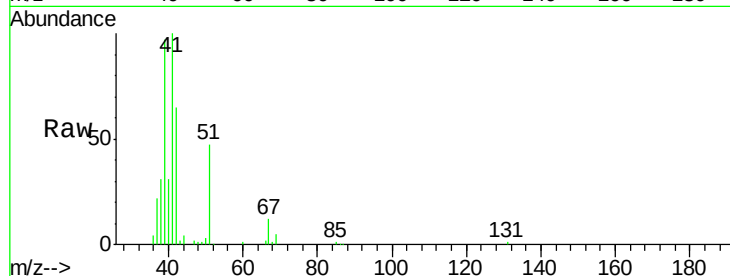
VSTDCCC010

Tgt Ion: 41 Resp: 278888

Ion Ratio Lower Upper

41 100

42 65.6 52.4 78.6



#10

Heptane

Concen: 9.40 ppbv

RT: 9.38 min Scan# 1032

Delta R.T. 0.02 min

Lab File: VL025818.D

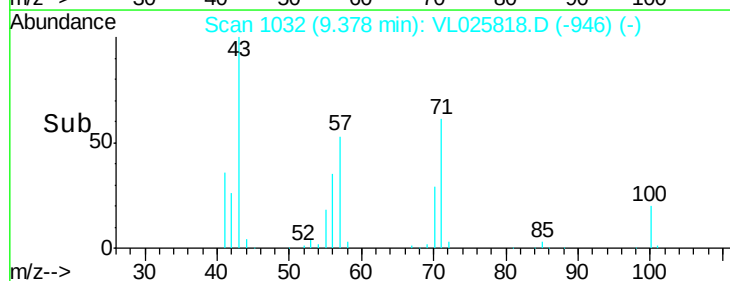
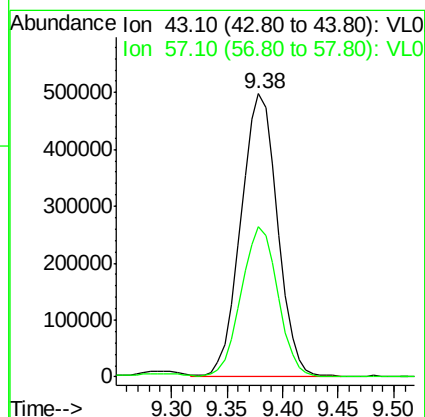
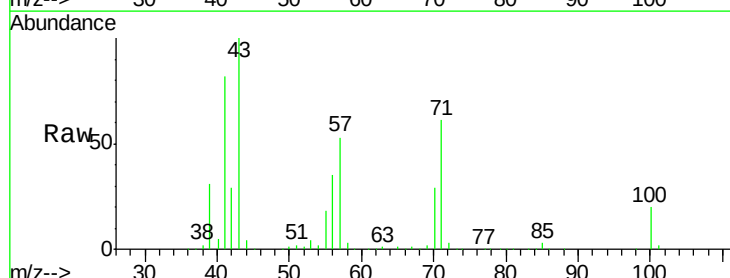
Acq: 31 Jul 2015 18:27

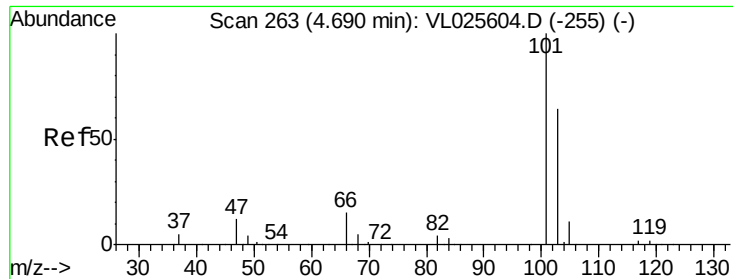
Tgt Ion: 43 Resp: 1131827

Ion Ratio Lower Upper

43 100

57 55.0 42.6 64.0

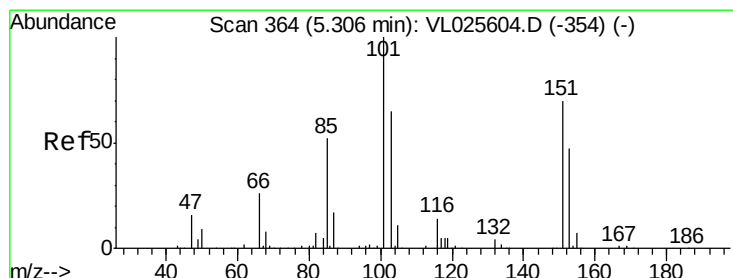
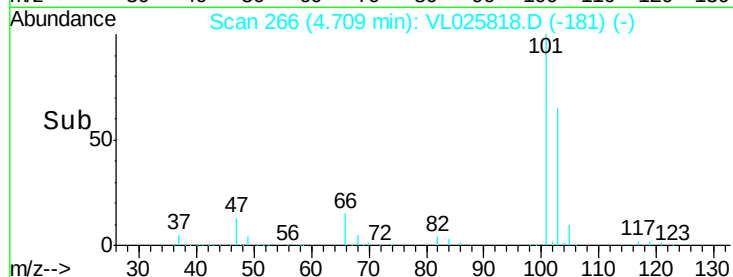
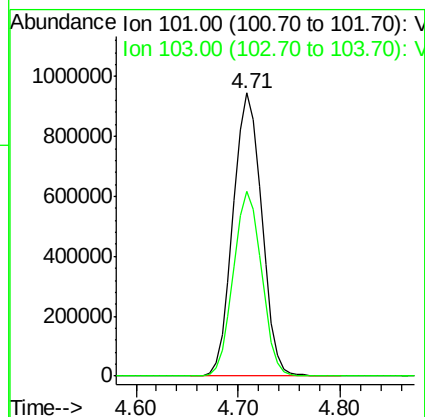
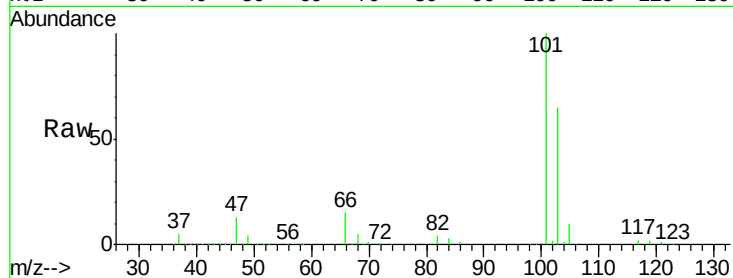




#11
 Trichlorofluoromethane
 Concen: 8.30 ppbv
 RT: 4.71 min Scan# 266
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

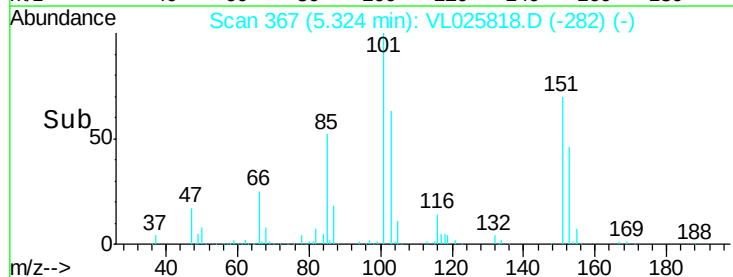
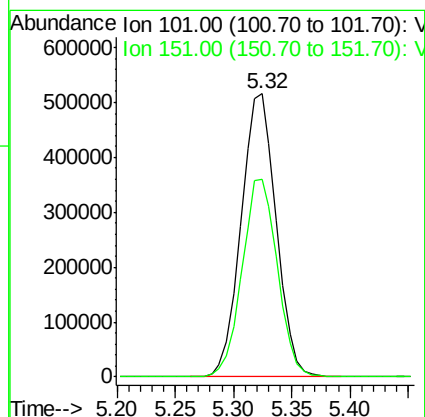
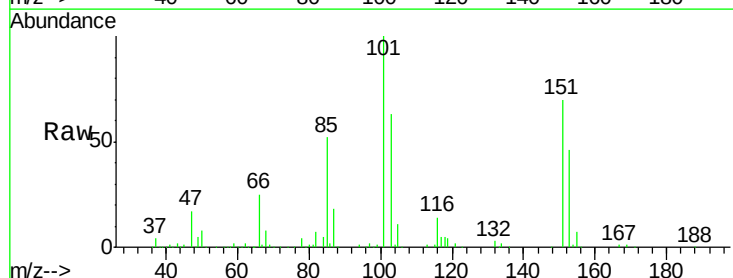
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

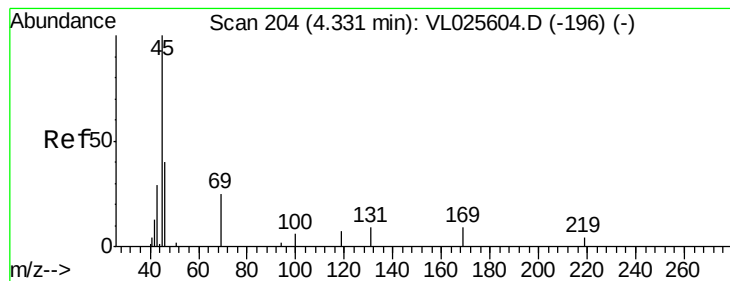
Tgt Ion:101 Resp: 1841490
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.52 ppbv
 RT: 5.32 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Tgt Ion:101 Resp: 1084342
 Ion Ratio Lower Upper
 101 100
 151 70.4 56.3 84.5





#13

Ethanol

Concen: 8.92 ppbv

RT: 4.35 min Scan# 207

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

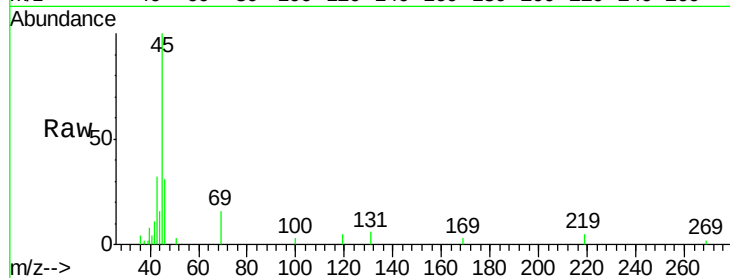
VSTDCCC010

Tgt Ion: 45 Resp: 42850

Ion Ratio Lower Upper

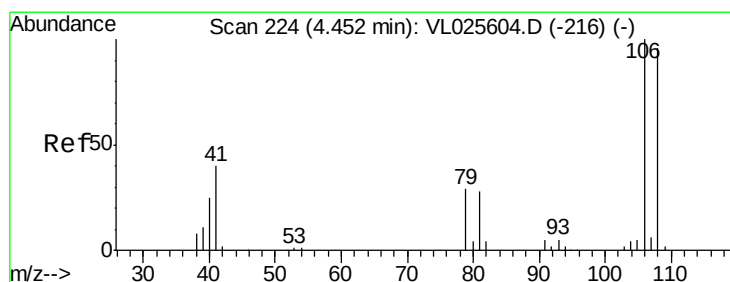
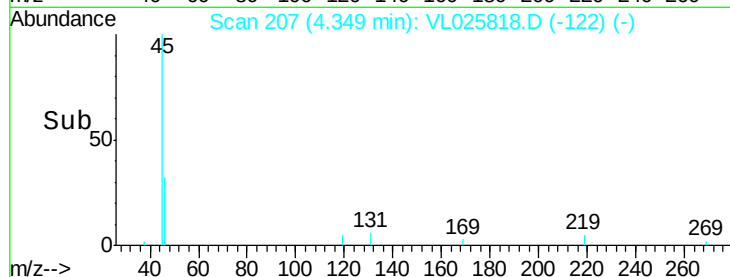
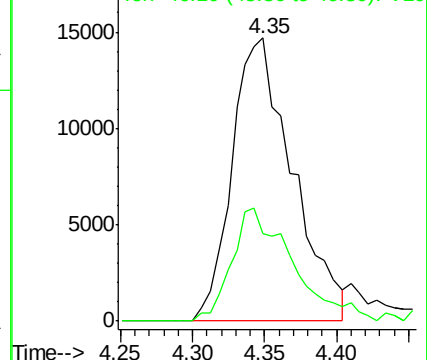
45 100

46 40.9 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: 8.88 ppbv

RT: 4.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

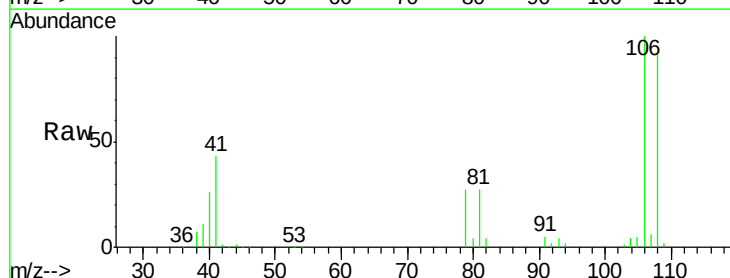
Tgt Ion: 108 Resp: 370752

Ion Ratio Lower Upper

108 100

106 107.7 85.7 128.5

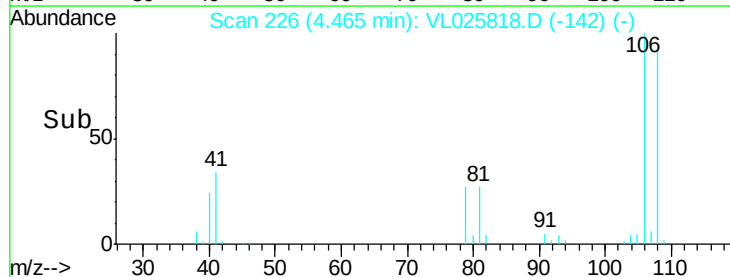
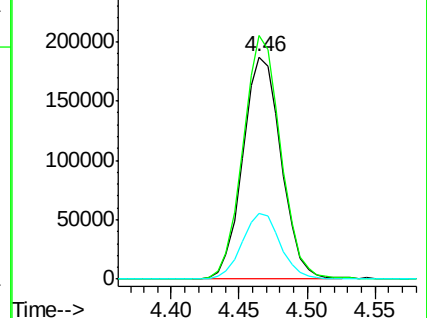
79 29.6 24.6 36.8

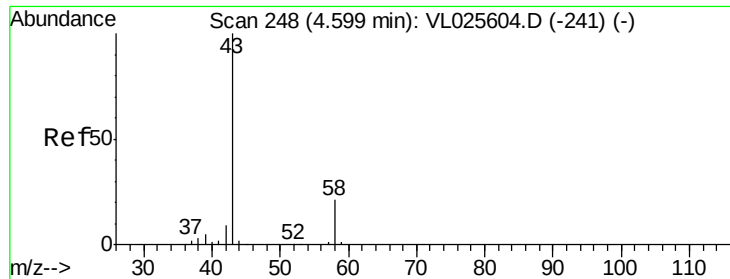


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.88 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

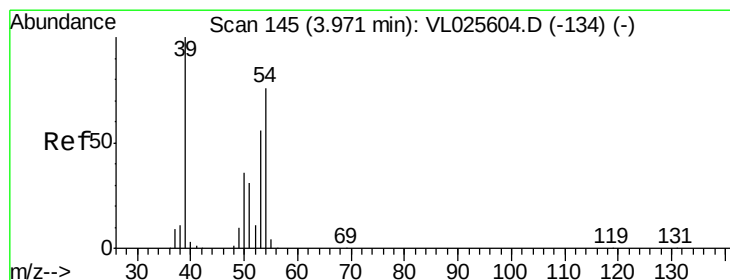
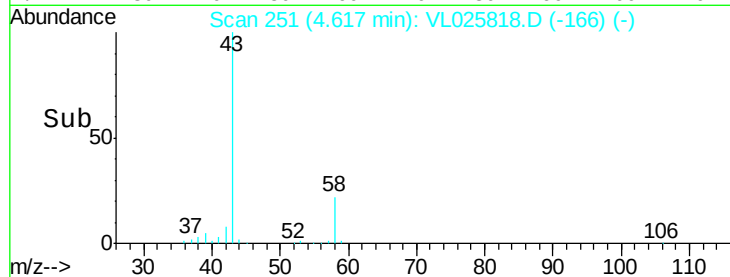
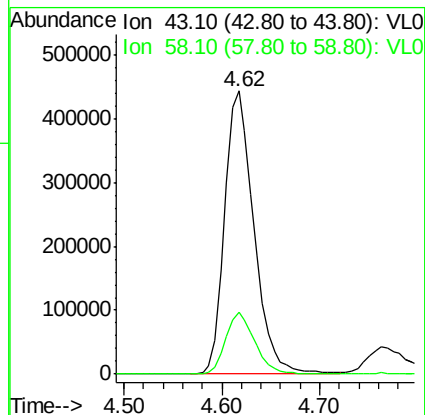
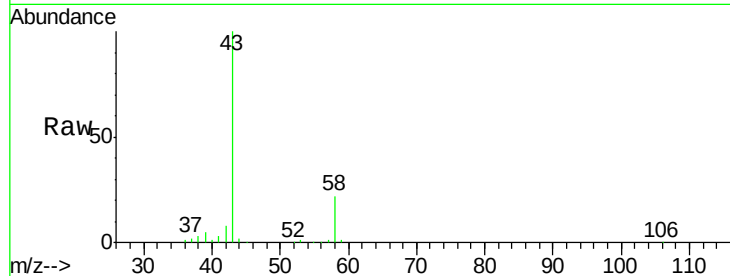
VSTDCCC010

Tgt Ion: 43 Resp: 919307

Ion Ratio Lower Upper

43 100

58 22.1 17.2 25.8



#16

1,3-Butadiene

Concen: 8.91 ppbv

RT: 3.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL025818.D

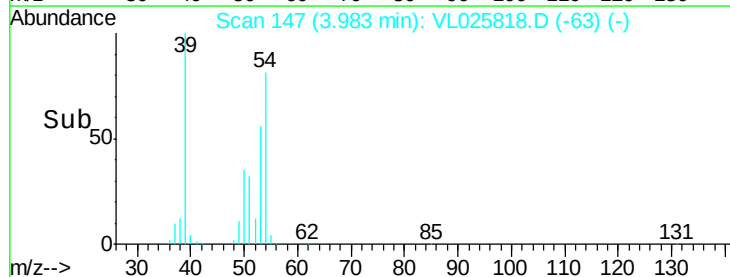
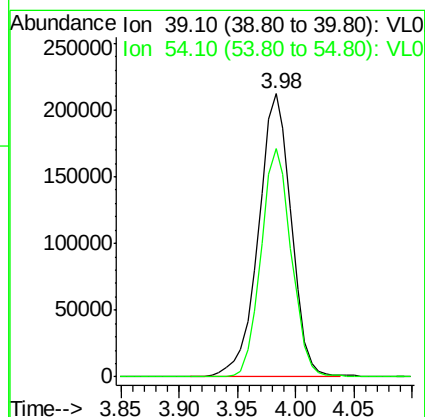
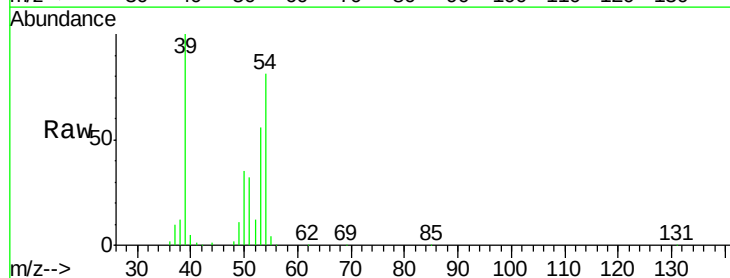
Acq: 31 Jul 2015 18:27

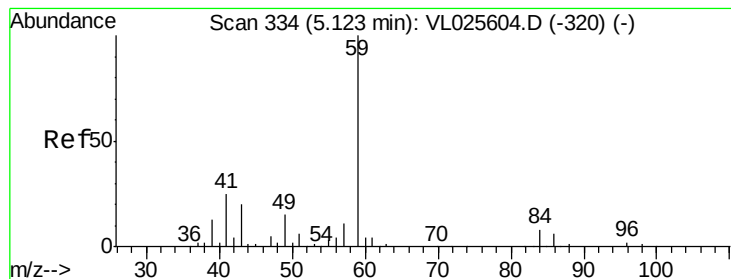
Tgt Ion: 39 Resp: 413761

Ion Ratio Lower Upper

39 100

54 74.8 59.3 88.9



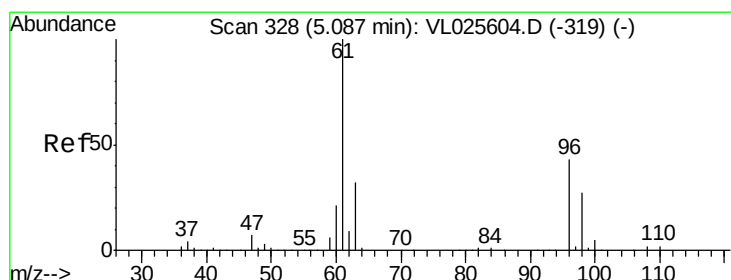
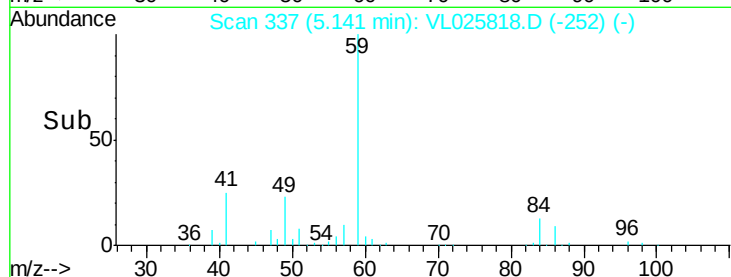
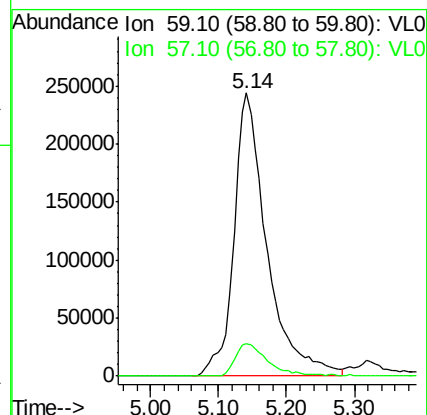
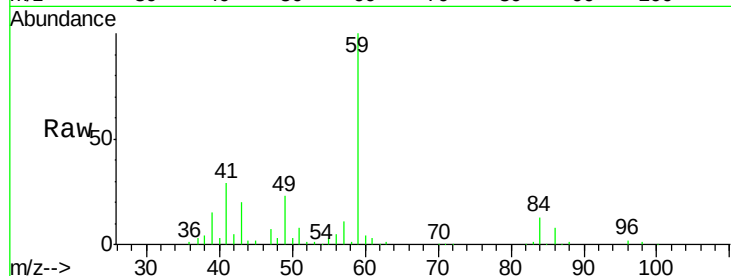


#17

tert-Butyl alcohol
Concen: 8.38 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

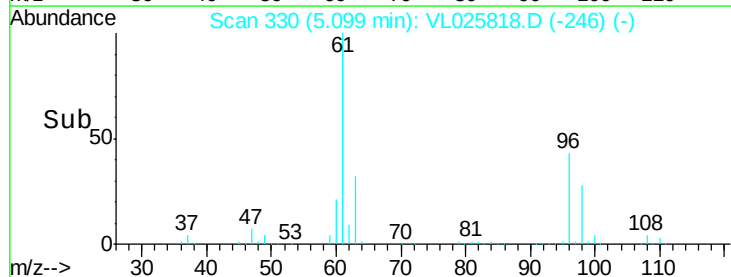
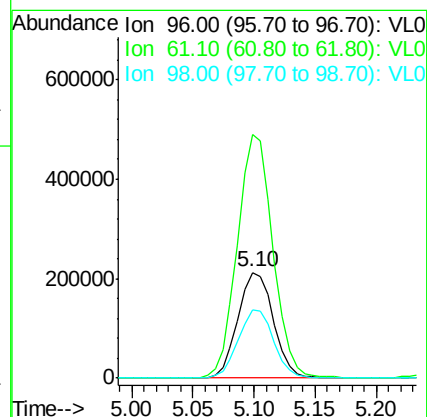
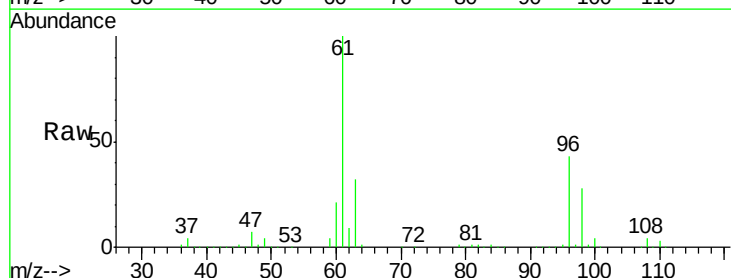
Tgt Ion: 59 Resp: 820273
Ion Ratio Lower Upper
59 100
57 11.6 9.4 14.2

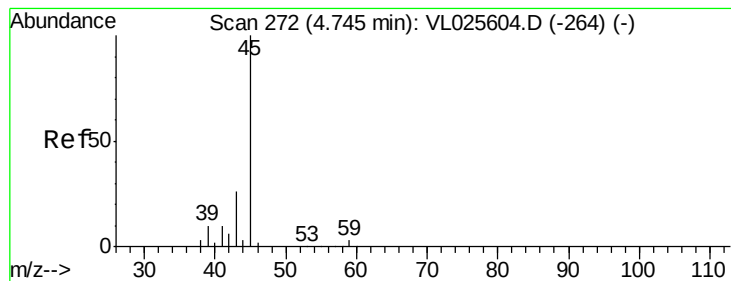


#18

1,1-Dichloroethene
Concen: 8.82 ppbv
RT: 5.10 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Tgt Ion: 96 Resp: 429840
Ion Ratio Lower Upper
96 100
61 230.9 184.1 276.1
98 64.4 50.0 75.0





#19

Isopropyl Alcohol

Concen: 8.75 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

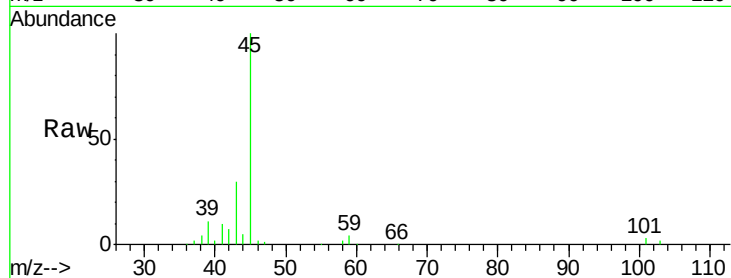
VSTDCCC010

Tgt Ion: 45 Resp: 407277

Ion Ratio Lower Upper

45 100

58 1.7 1.1 1.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.76

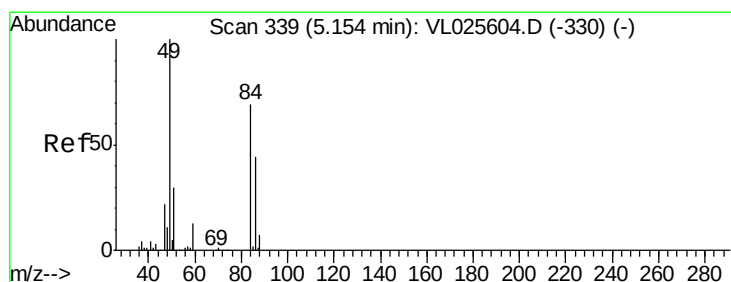
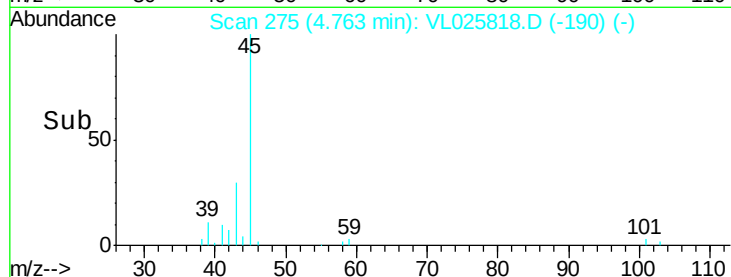
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.38 ppbv

RT: 5.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Tgt Ion: 84 Resp: 396963

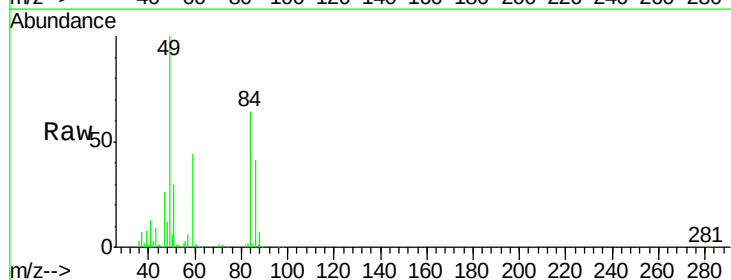
Ion Ratio Lower Upper

84 100

49 154.5 115.2 172.8

51 46.1 35.0 52.6

86 64.0 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

5.17

400000

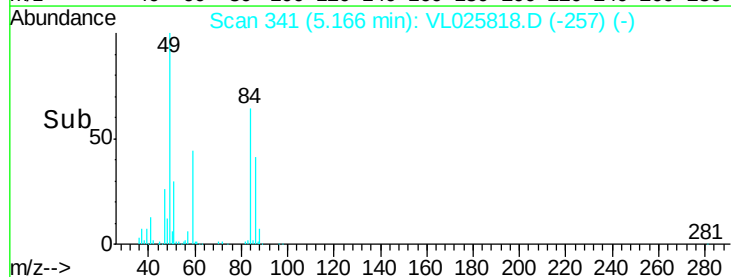
300000

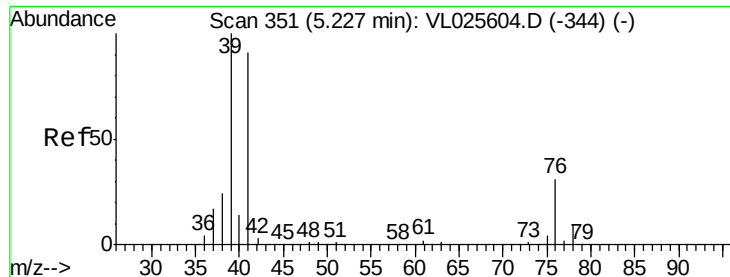
200000

100000

0

Time-->





#21

Allyl Chloride

Concen: 8.92 ppbv

RT: 5.25 min Scan# 354

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

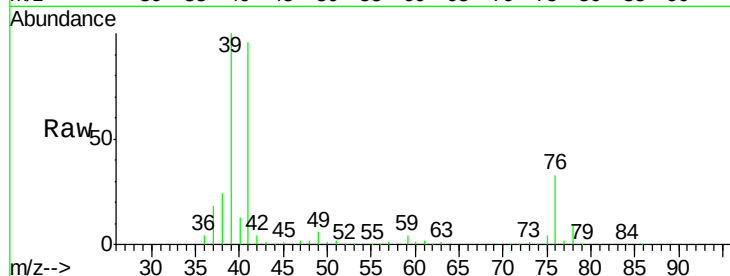
Tgt Ion: 41 Resp: 651605

Ion Ratio Lower Upper

41 100

76 33.0 26.6 40.0

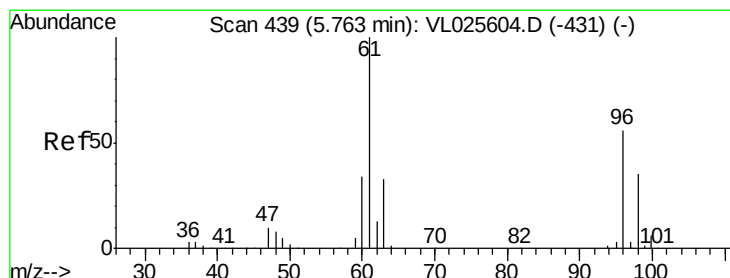
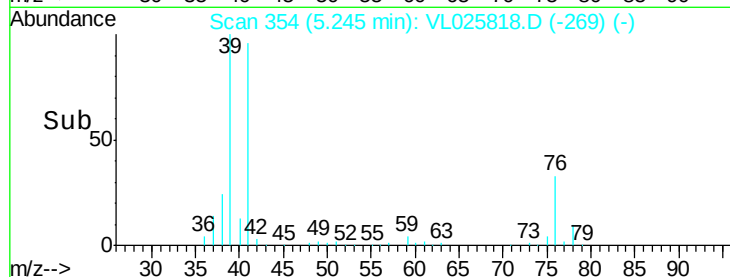
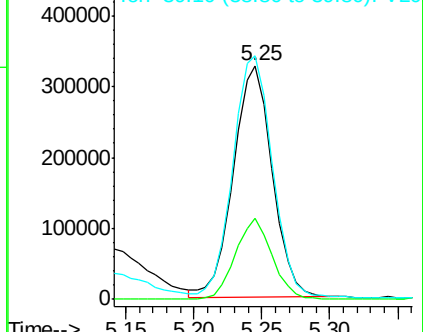
39 107.5 88.2 132.4



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: 9.20 ppbv

RT: 5.78 min Scan# 442

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

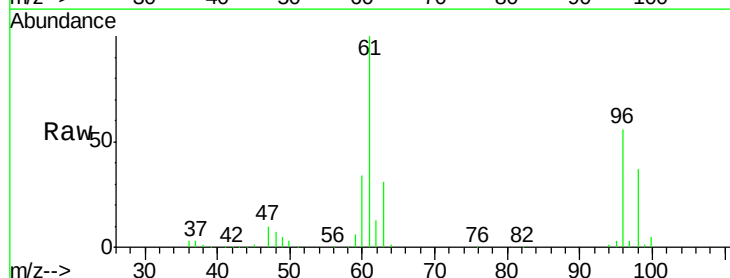
Tgt Ion: 96 Resp: 457546

Ion Ratio Lower Upper

96 100

61 177.8 141.8 212.6

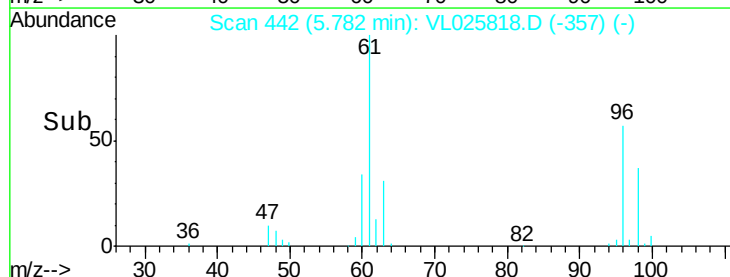
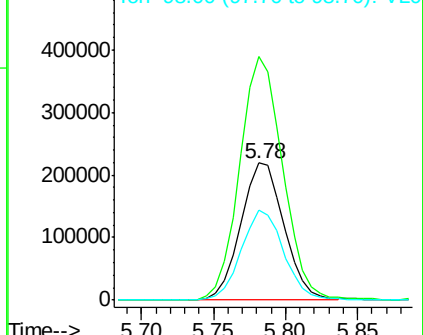
98 66.1 49.0 73.6

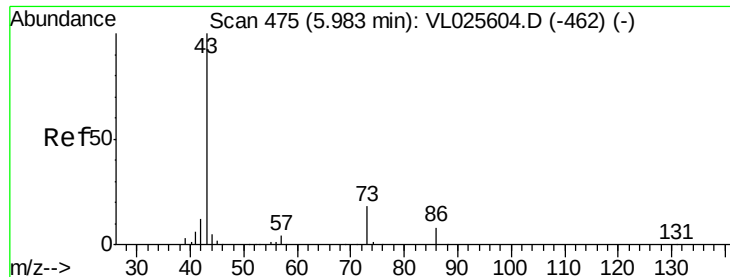


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.29 ppbv

RT: 6.00 min Scan# 478

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1641124

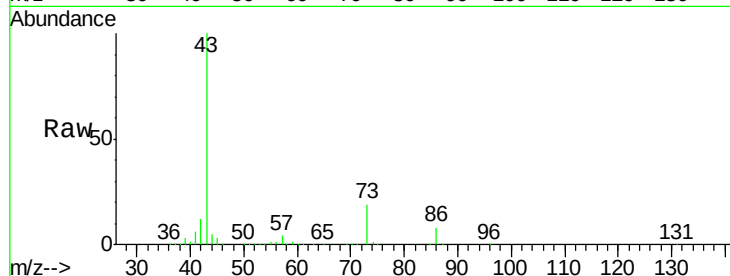
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.7	10.1
42	11.8	9.8	14.6
44	4.6	4.1	6.1

43 100

86 8.3 6.7 10.1

42 11.8 9.8 14.6

44 4.6 4.1 6.1

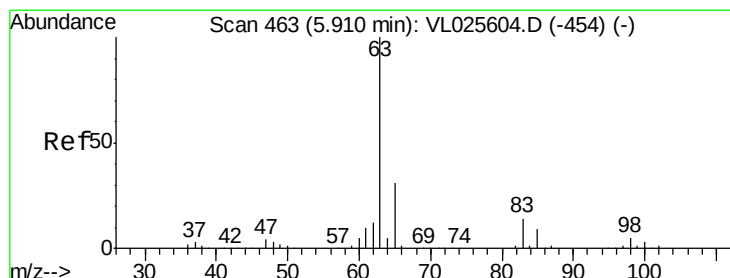
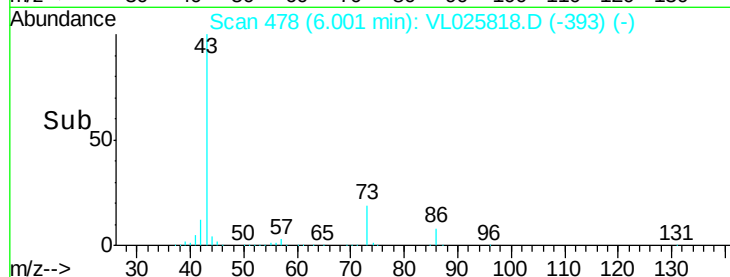
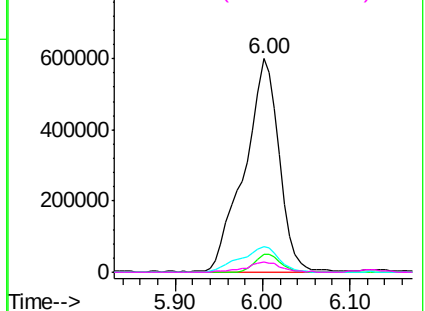


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.02 ppbv

RT: 5.93 min Scan# 466

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

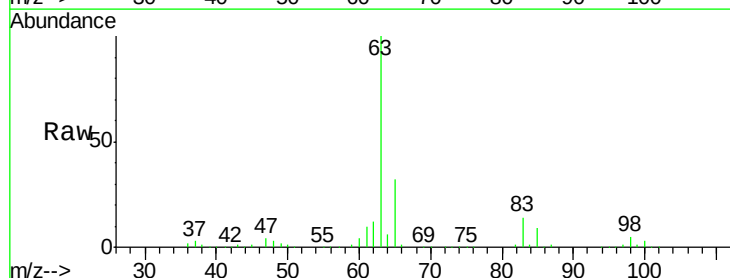
Tgt Ion: 63 Resp: 1068627

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.6	8.0
100	3.0	1.6	4.7

63 100

98 5.1 2.6 8.0

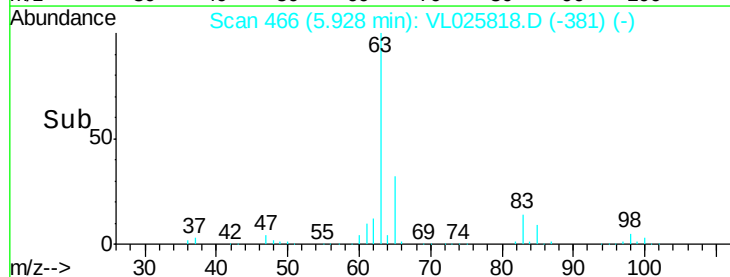
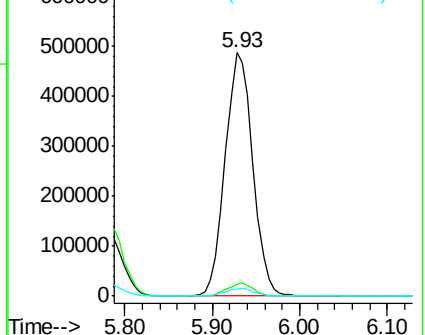
100 3.0 1.6 4.7

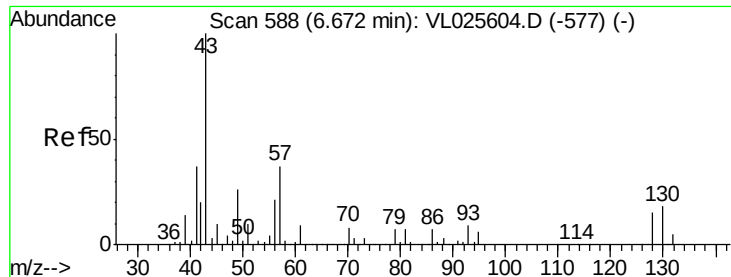


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.37 ppbv

RT: 6.69 min Scan# 591

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1653532

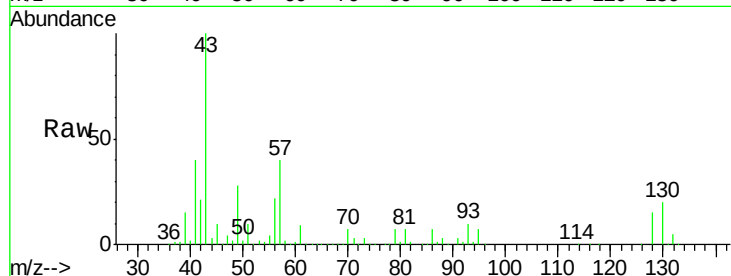
Ion Ratio Lower Upper

43 100

45 9.4 7.5 11.3

61 8.6 6.6 10.0

70 7.3 6.0 9.0

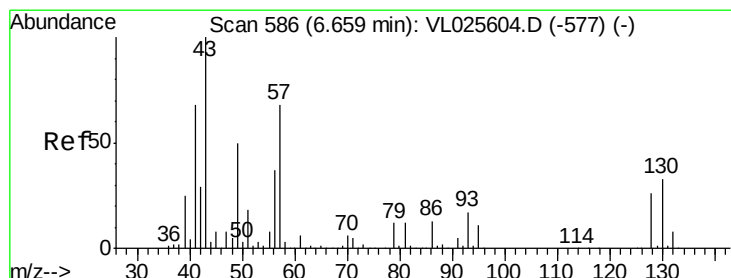
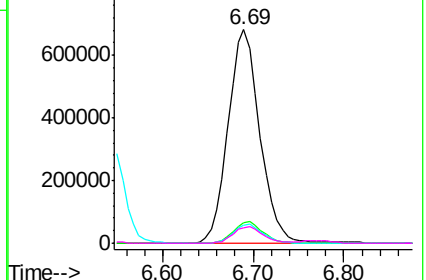
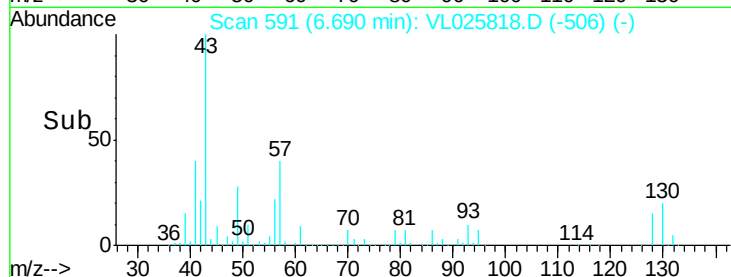


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.31 ppbv

RT: 6.68 min Scan# 589

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Tgt Ion: 57 Resp: 774021

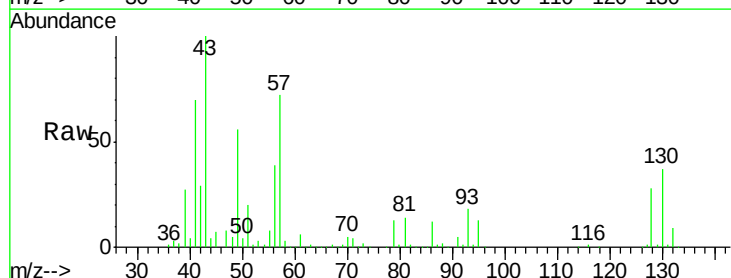
Ion Ratio Lower Upper

57 100

41 100.4 81.4 122.2

43 215.3 171.4 257.2

56 55.0 44.5 66.7

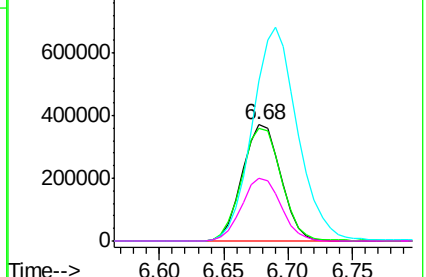
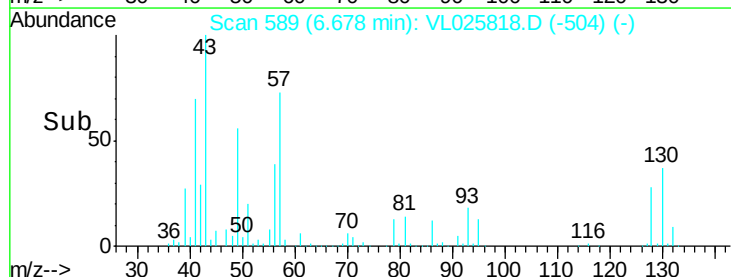


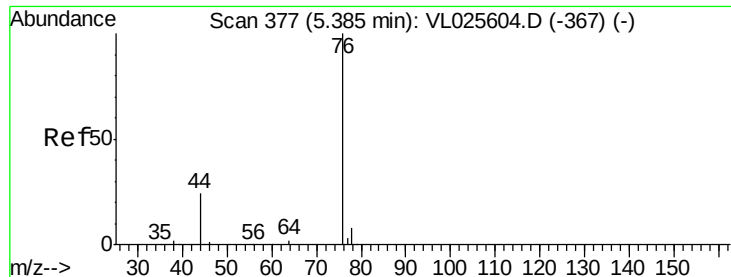
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.29 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

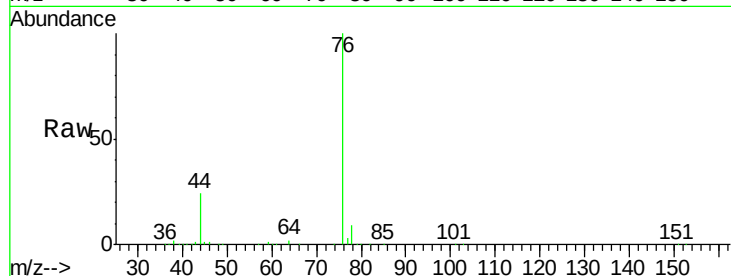
Tgt Ion: 76 Resp: 1249661

Ion Ratio Lower Upper

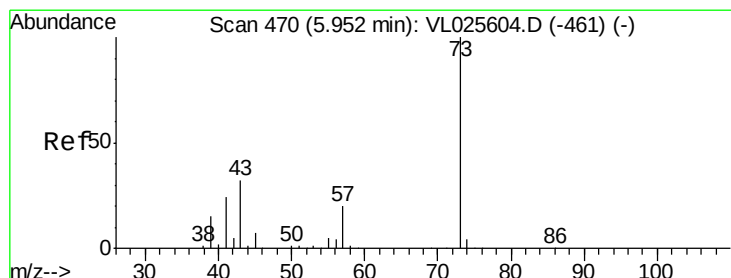
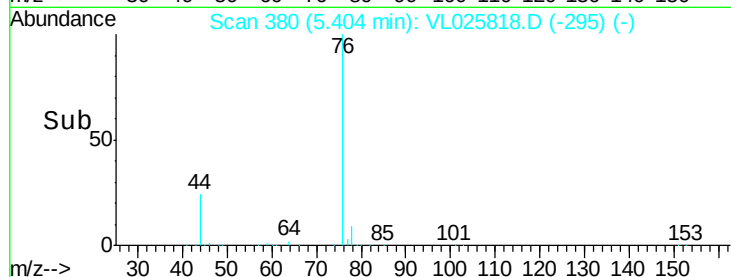
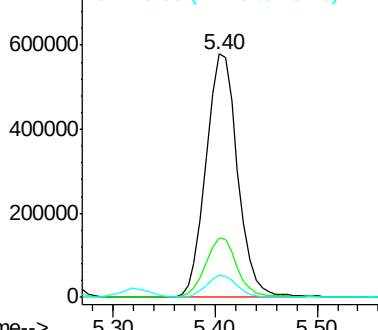
76 100

44 23.8 20.2 30.4

78 9.0 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: 9.42 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.02 min

Lab File: VL025818.D

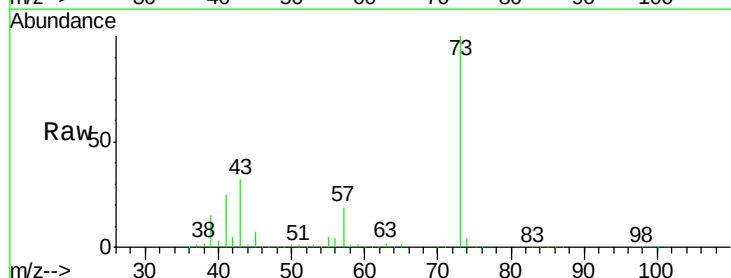
Acq: 31 Jul 2015 18:27

Tgt Ion: 73 Resp: 1557036

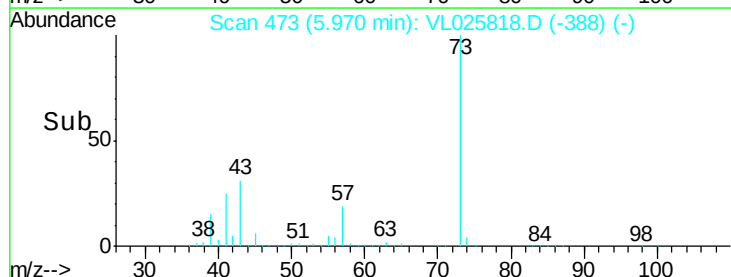
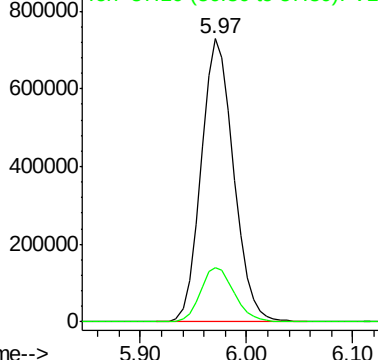
Ion Ratio Lower Upper

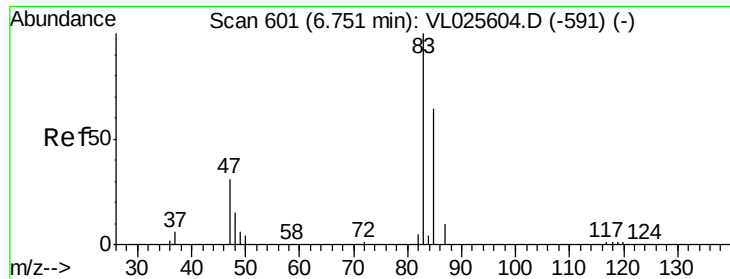
73 100

57 20.1 16.0 24.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

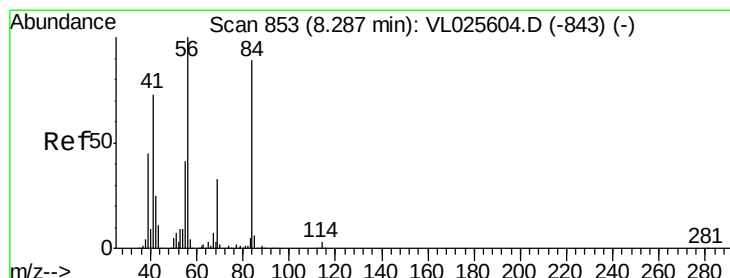
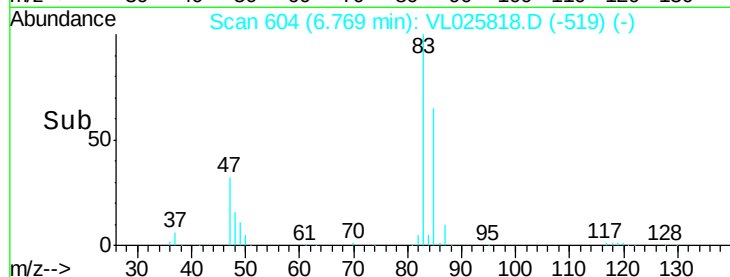
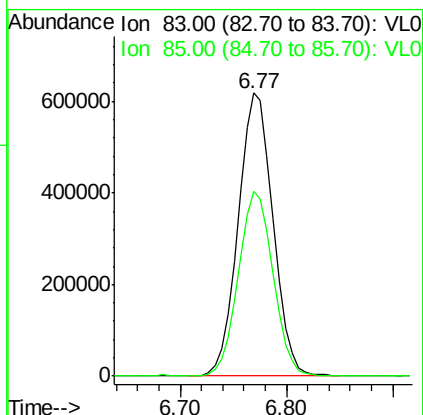
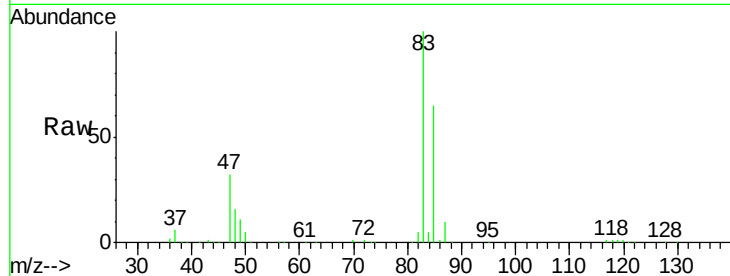




#29
Chloroform
Concen: 8.64 ppbv
RT: 6.77 min Scan# 604
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

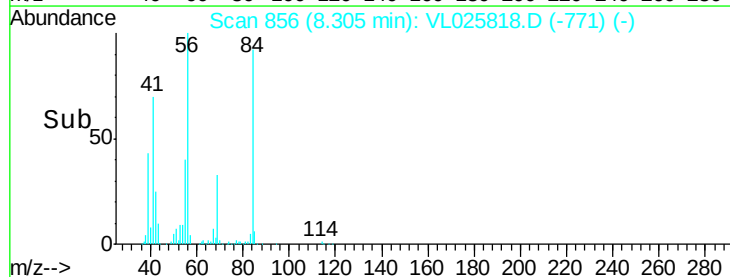
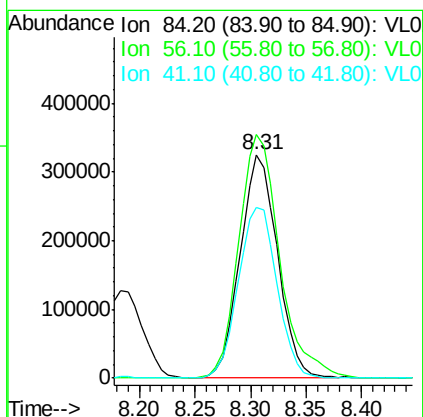
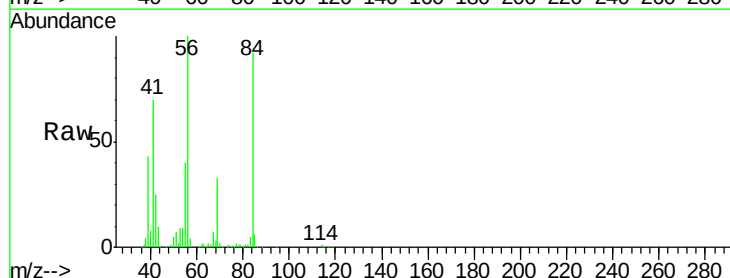
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

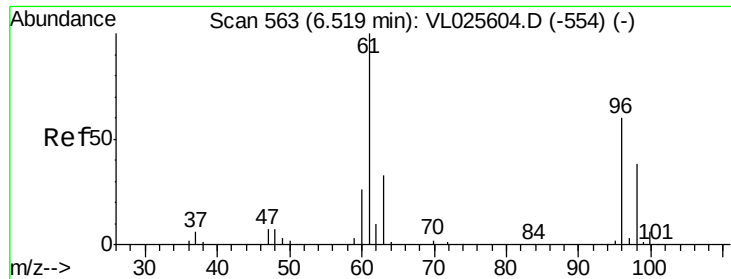
Tgt Ion: 83 Resp: 1417817
Ion Ratio Lower Upper
83 100
85 65.4 51.6 77.4



#30
Cyclohexane
Concen: 9.58 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Tgt Ion: 84 Resp: 761014
Ion Ratio Lower Upper
84 100
56 119.4 97.5 146.3
41 79.2 65.4 98.2





#31

cis-1,2-Dichloroethene

Concen: 9.77 ppbv

RT: 6.54 min Scan# 566

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

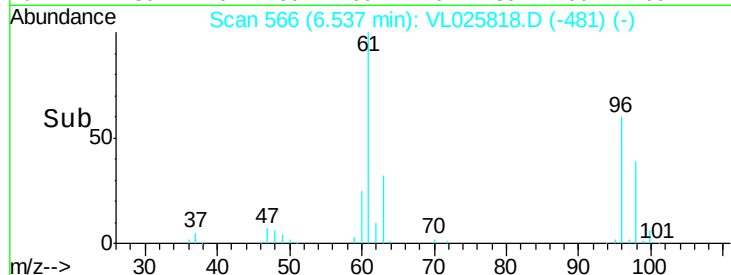
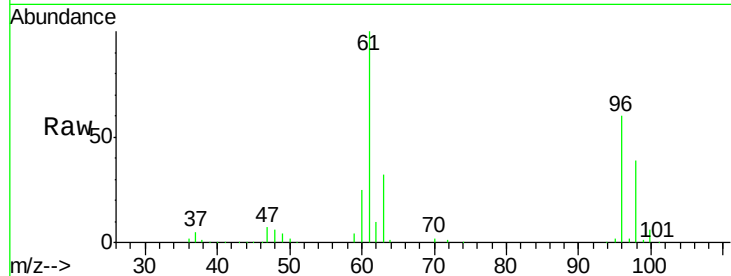
Tgt Ion: 61 Resp: 806789

Ion Ratio Lower Upper

61 100

96 59.9 48.1 72.1

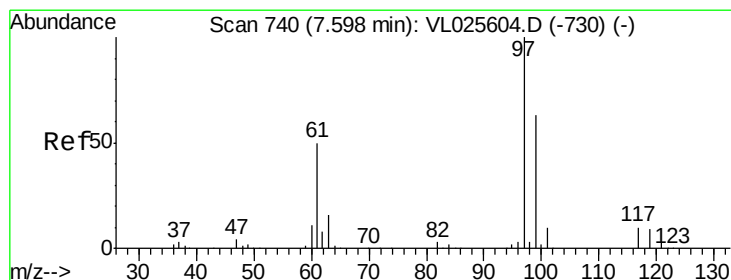
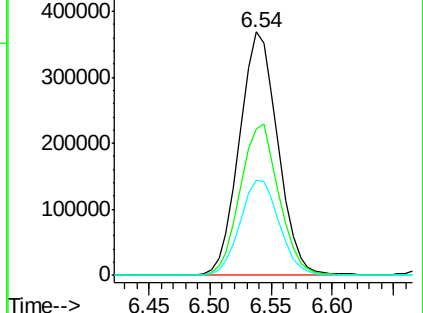
98 39.3 30.7 46.1



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: 8.66 ppbv

RT: 7.62 min Scan# 744

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

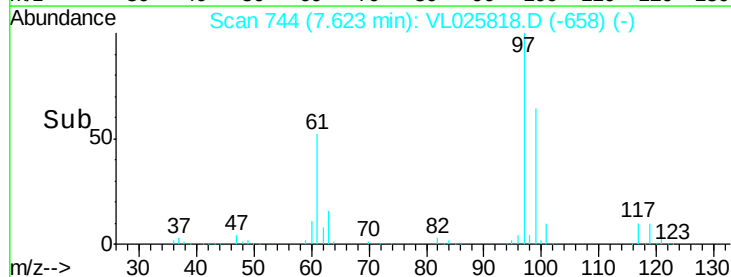
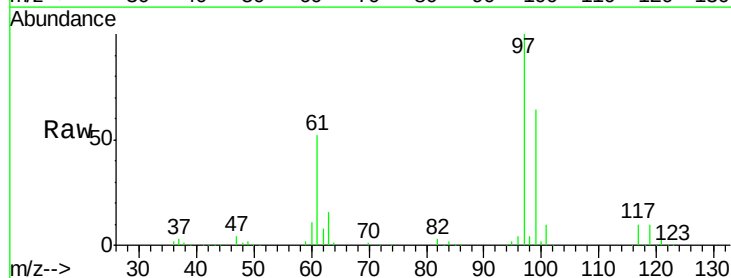
Tgt Ion: 97 Resp: 1544353

Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

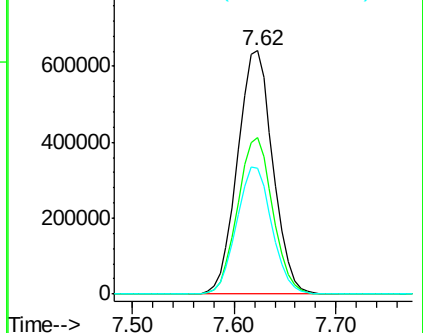
61 52.2 40.4 60.6

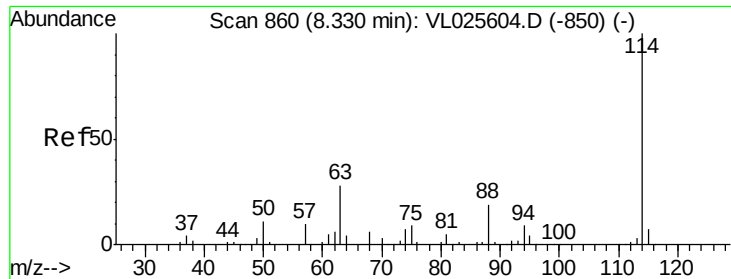


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

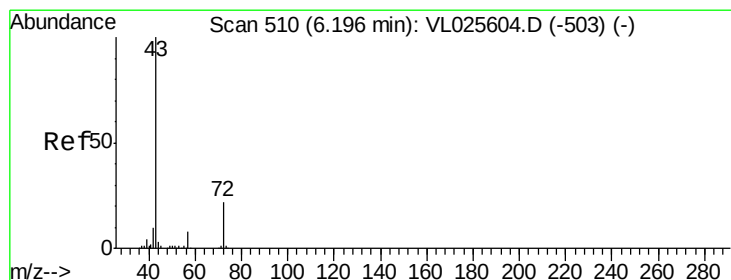
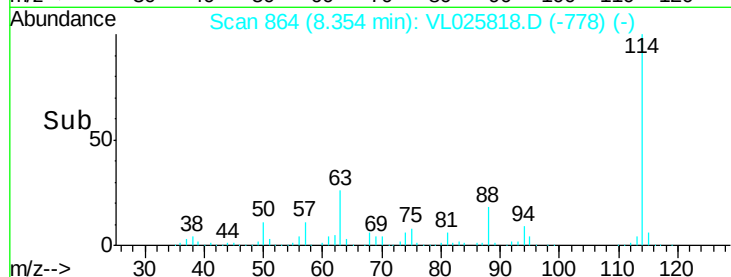
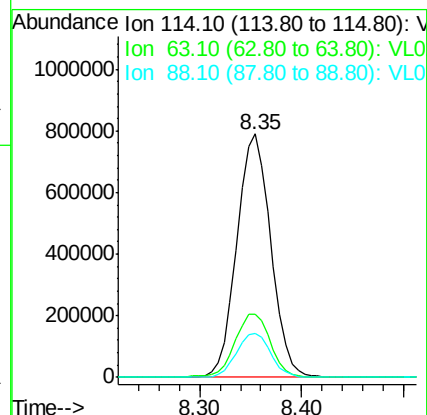
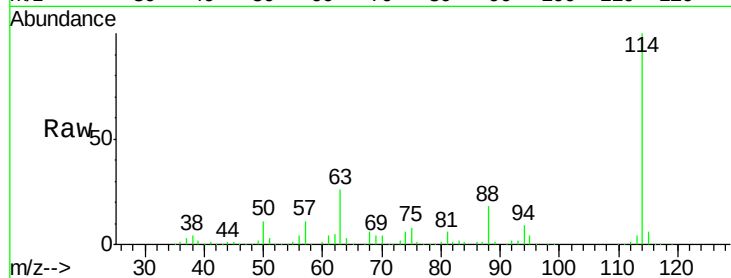




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.35 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

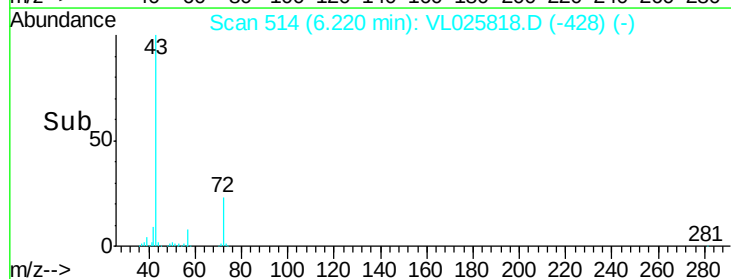
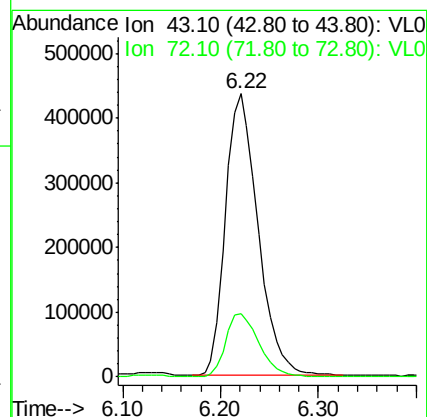
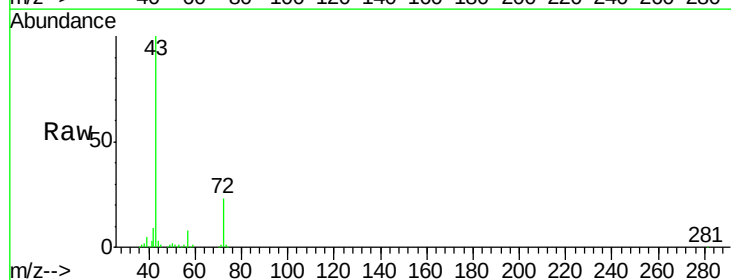
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

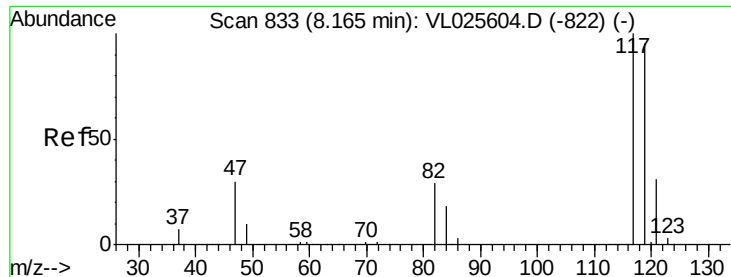
Tgt Ion:114 Resp: 1819452
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.4 33.6
 88 18.3 15.0 22.4



#34
 2-Butanone
 Concen: 9.76 ppbv
 RT: 6.22 min Scan# 514
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Tgt Ion: 43 Resp: 1008044
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.6 28.0





#35

Carbon Tetrachloride

Concen: 8.56 ppbv

RT: 8.18 min Scan# 836

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

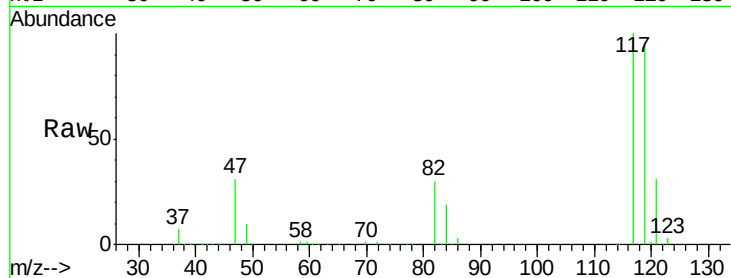
Tgt Ion:117 Resp: 1658650

Ion Ratio Lower Upper

117 100

119 95.7 75.9 113.9

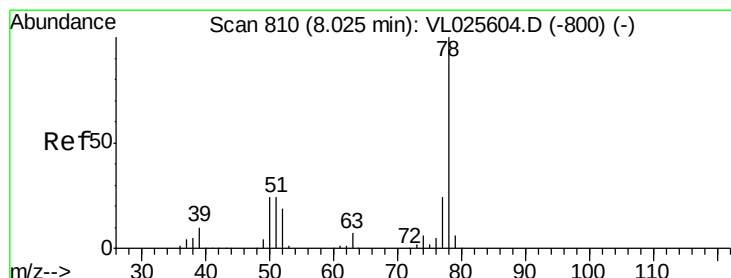
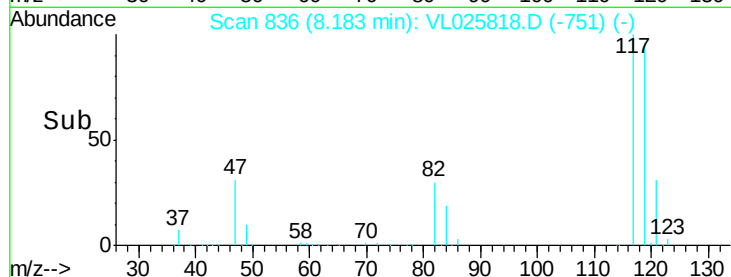
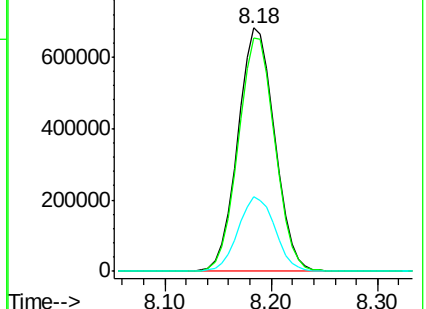
121 30.6 24.4 36.6



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: 9.61 ppbv

RT: 8.05 min Scan# 814

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

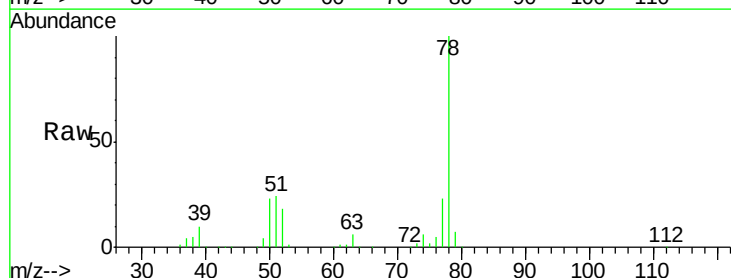
Tgt Ion: 78 Resp: 1674502

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4

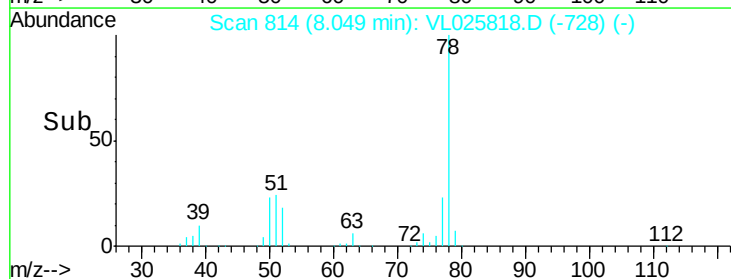
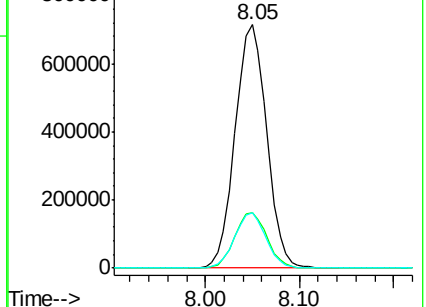
50 22.8 19.2 28.8

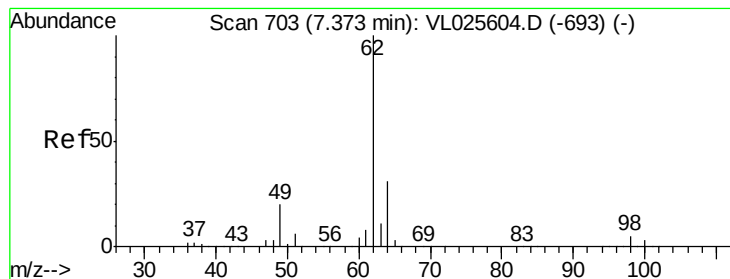


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.74 ppbv

RT: 7.40 min Scan# 707

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

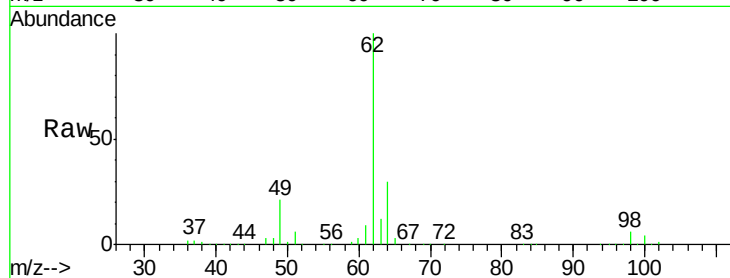
VSTDCCC010

Tgt Ion: 62 Resp: 1300816

Ion Ratio Lower Upper

62 100

98 5.3 4.1 6.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

600000

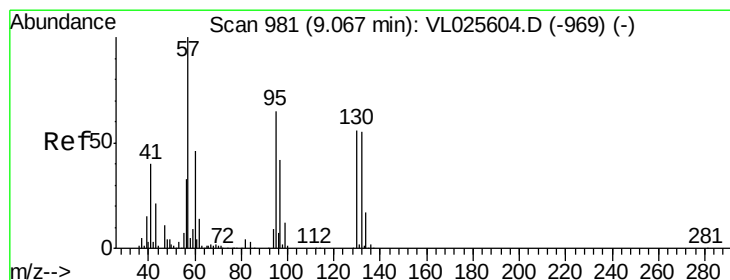
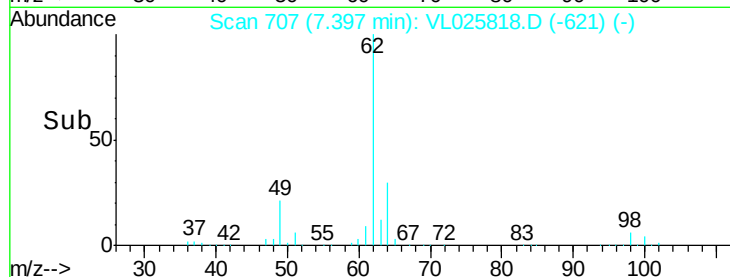
400000

200000

0

7.30 7.40 7.50

Time-->



#38

Trichloroethene

Concen: 9.24 ppbv

RT: 9.09 min Scan# 985

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Tgt Ion: 130 Resp: 748966

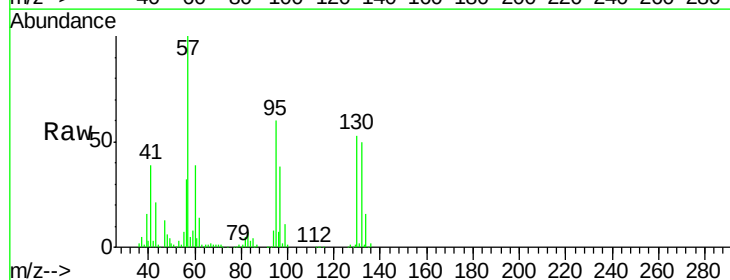
Ion Ratio Lower Upper

130 100

95 113.9 94.2 141.4

132 95.0 78.6 118.0

97 72.3 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

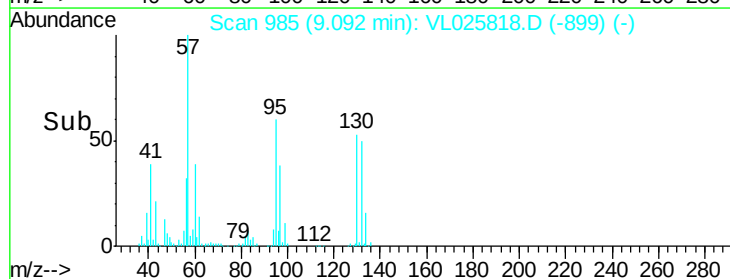
200000

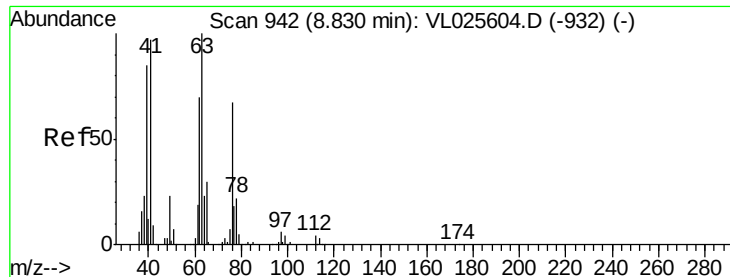
100000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 9.20 ppbv

RT: 8.85 min Scan# 946

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

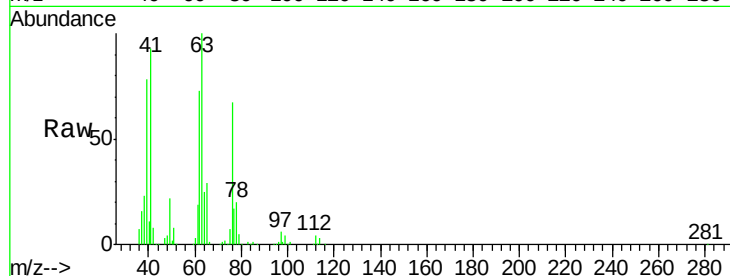
Tgt Ion: 63 Resp: 592087

Ion Ratio Lower Upper

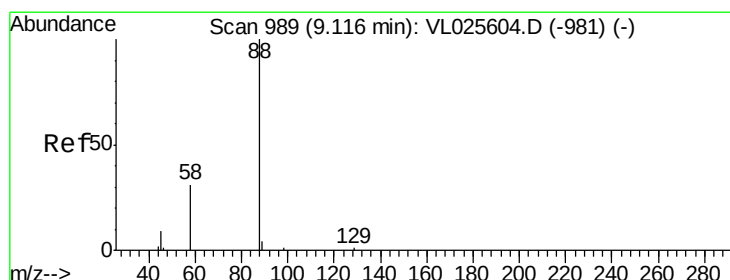
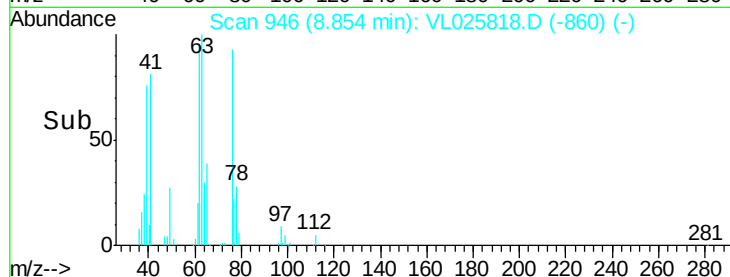
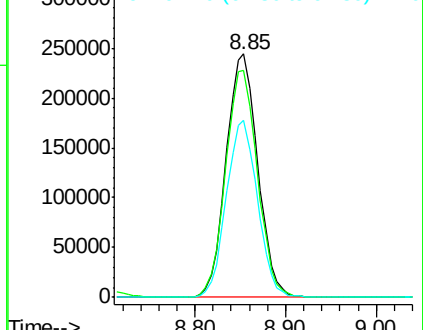
63 100

41 93.0 78.0 117.0

62 72.9 55.7 83.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 12.48 ppbv

RT: 9.14 min Scan# 993

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Tgt Ion: 88 Resp: 126001

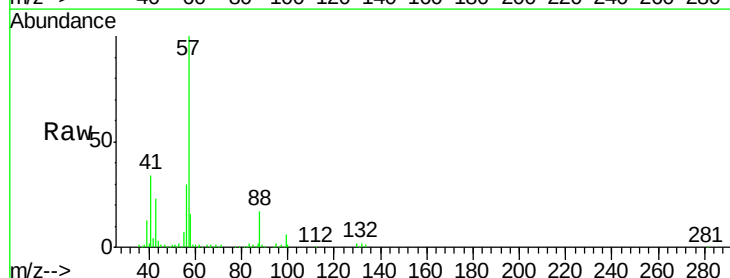
Ion Ratio Lower Upper

88 100

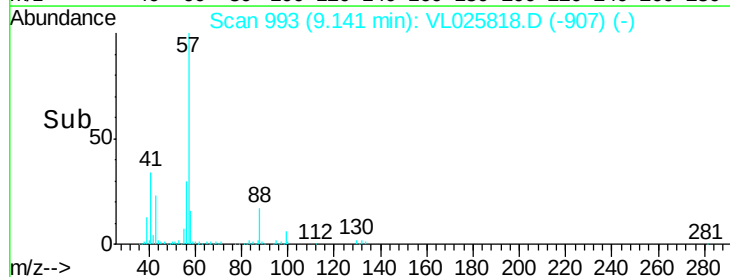
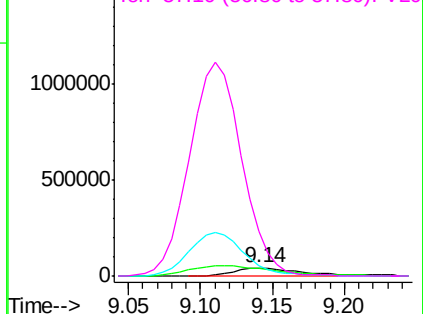
58 178.4 127.1 190.7

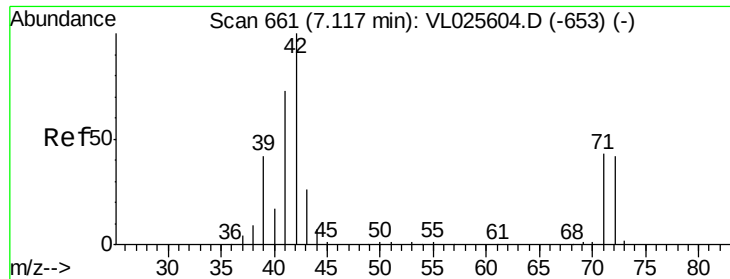
43 485.8 337.7 506.5

57 2249.0 1533.2 2299.8



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



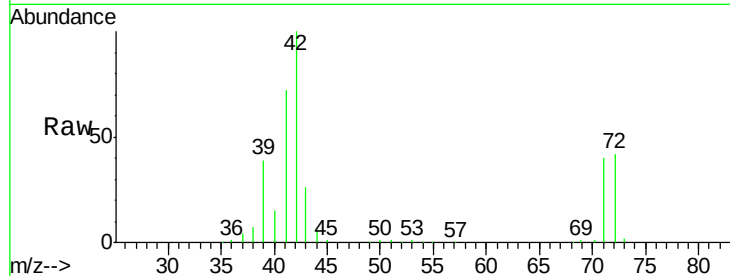


#41
Tetrahydrofuran
Concen: 10.36 ppbv
RT: 7.14 min Scan# 665
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

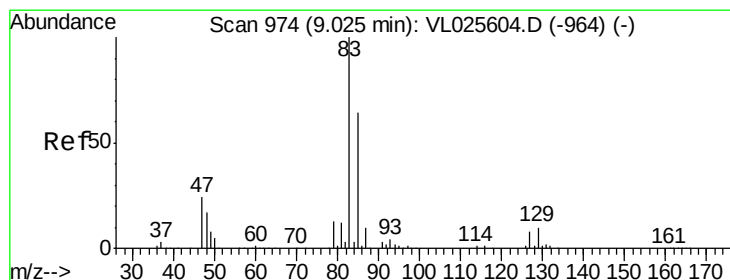
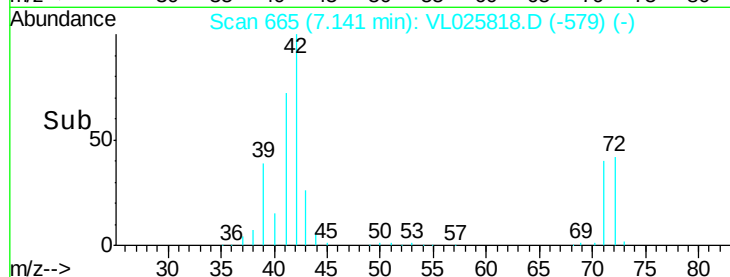
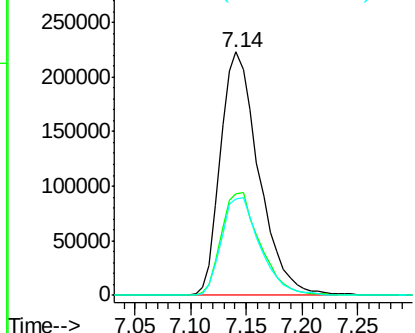
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 533764

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.0	51.0
71	40.6	33.0	49.6



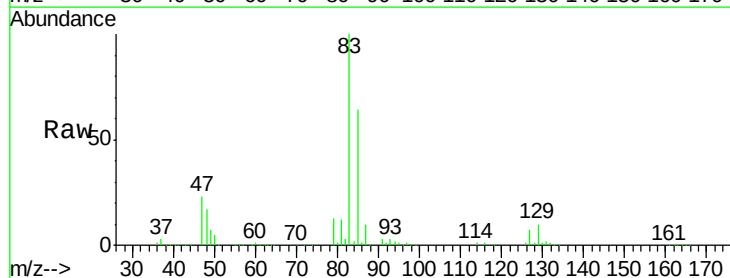
Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



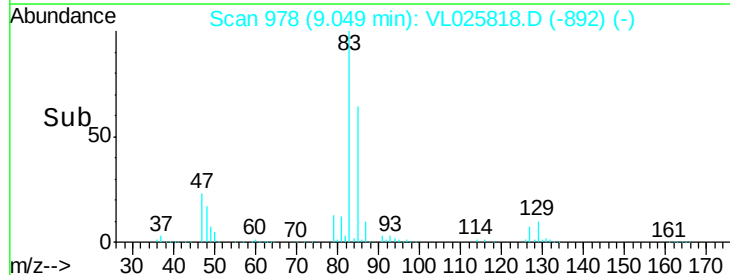
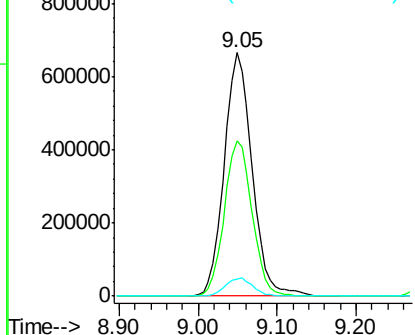
#42
Bromodichloromethane
Concen: 9.15 ppbv
RT: 9.05 min Scan# 978
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

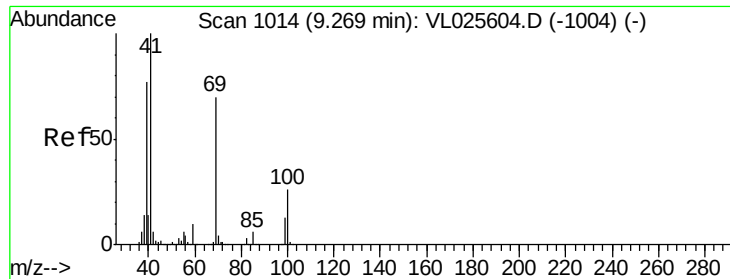
Tgt Ion: 83 Resp: 1642930

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.3	76.9
127	7.2	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

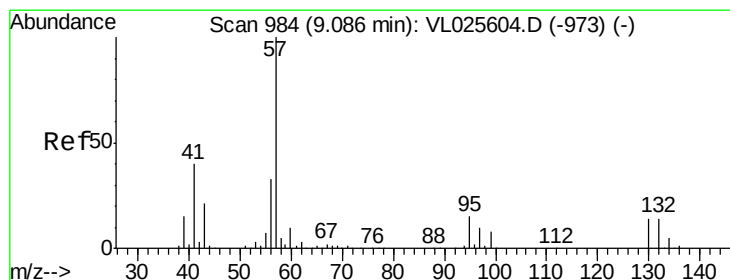
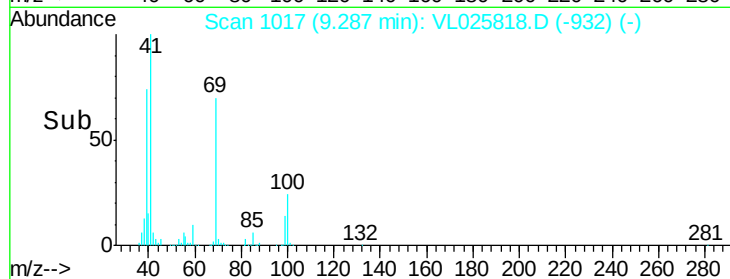
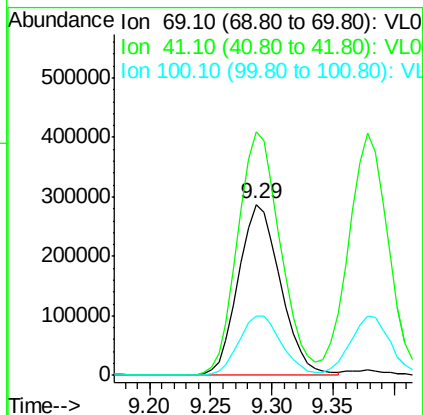
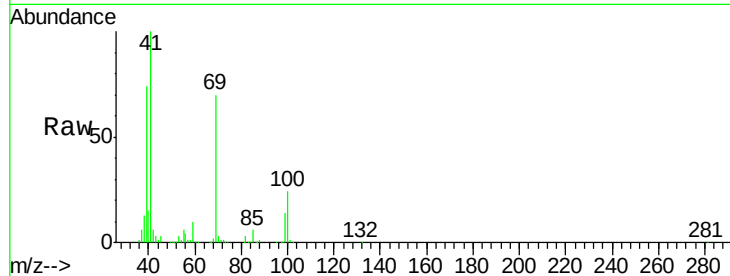




#43
Methyl Methacrylate
Concen: 10.34 ppbv
RT: 9.29 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

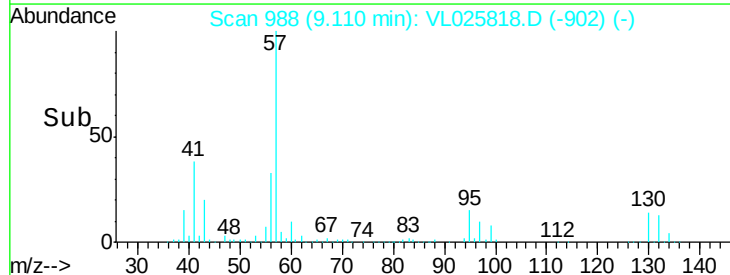
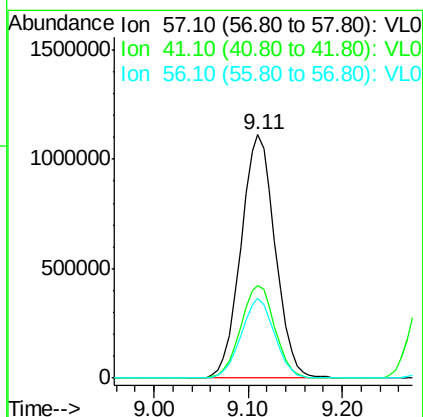
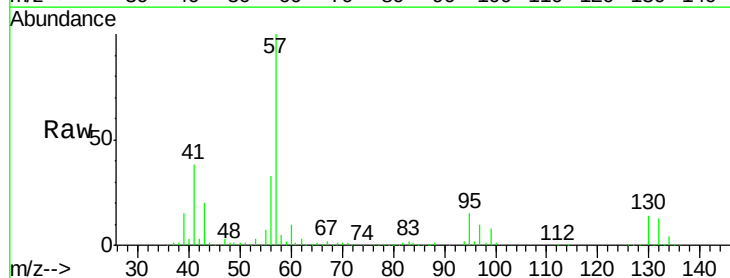
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

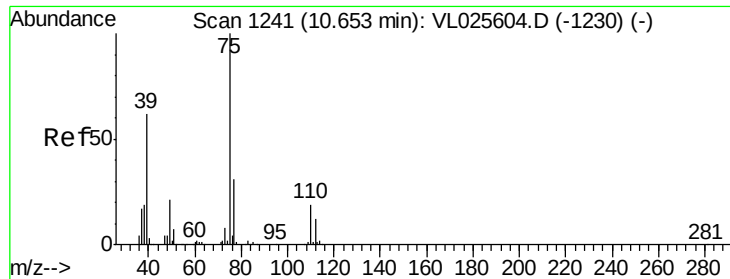
Tgt Ion: 69 Resp: 691430
Ion Ratio Lower Upper
69 100
41 145.0 117.3 175.9
100 35.5 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 9.45 ppbv
RT: 9.11 min Scan# 988
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Tgt Ion: 57 Resp: 2825976
Ion Ratio Lower Upper
57 100
41 38.2 31.2 46.8
56 32.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.78 ppbv

RT: 10.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

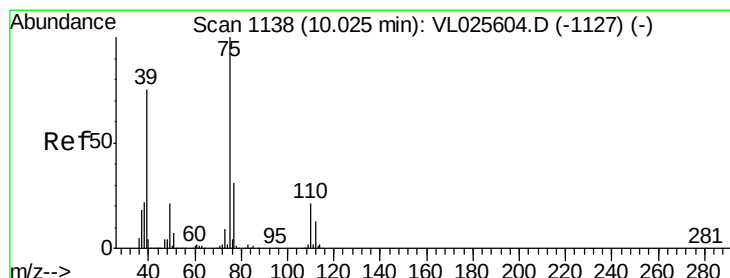
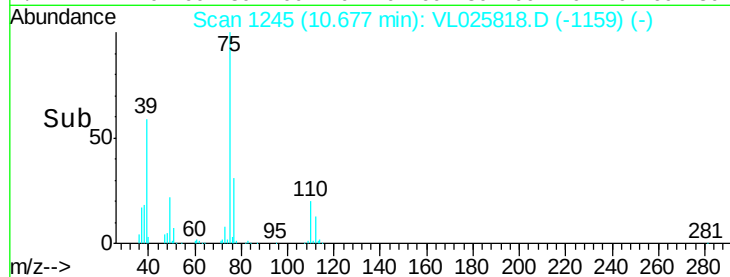
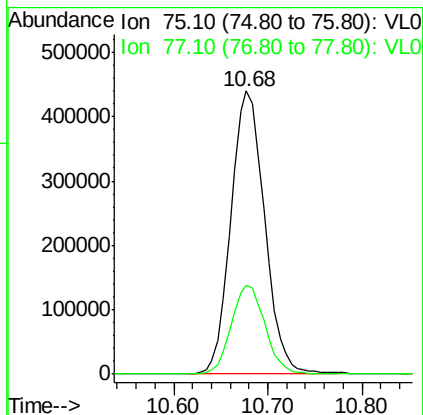
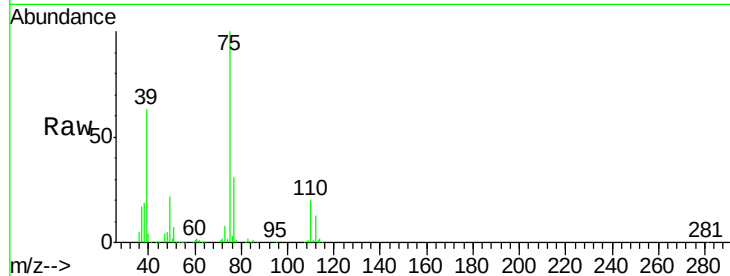
VSTDCCC010

Tgt Ion: 75 Resp: 1099943

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.01 ppbv

RT: 10.04 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

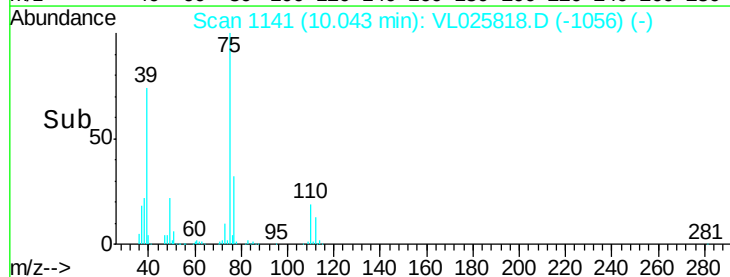
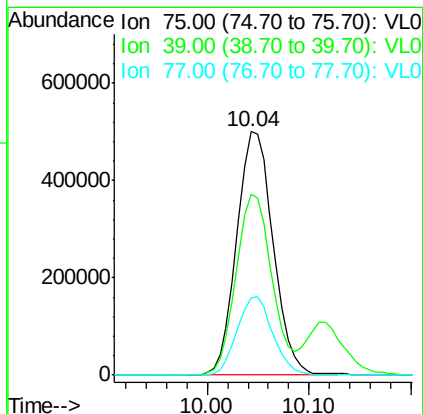
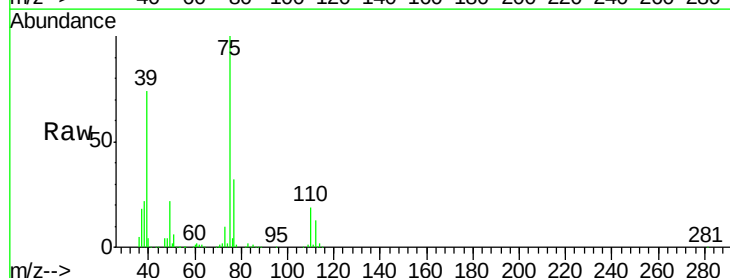
Tgt Ion: 75 Resp: 1244825

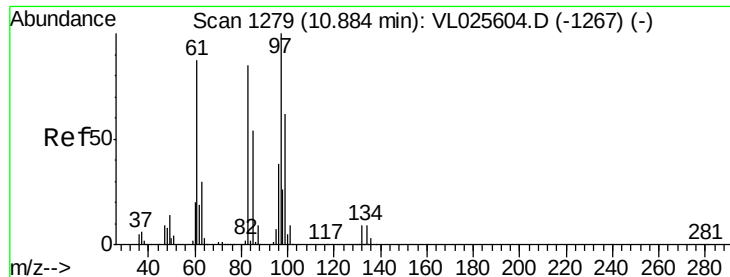
Ion Ratio Lower Upper

75 100

39 74.3 60.4 90.6

77 31.8 24.6 37.0

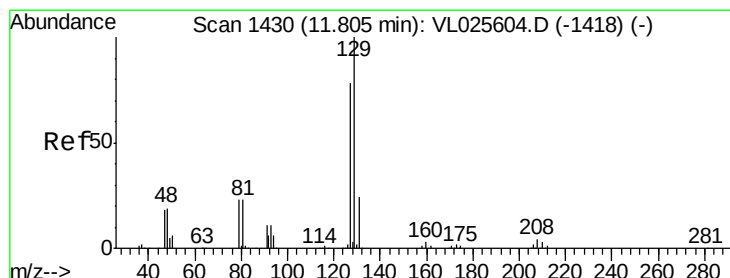
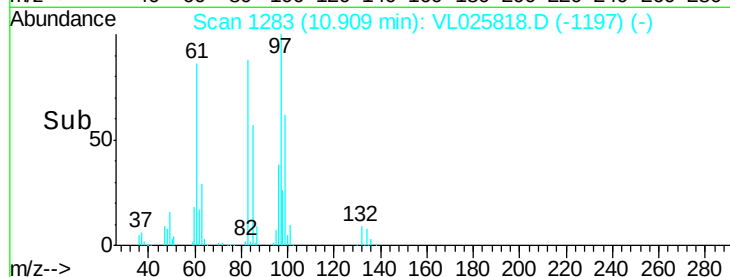
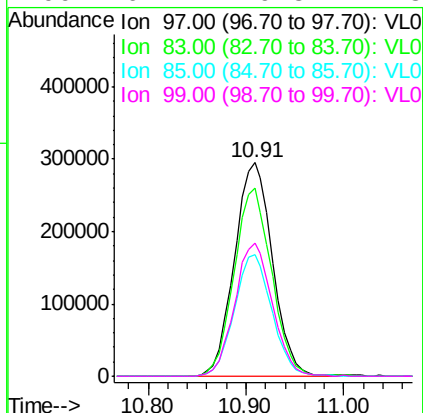
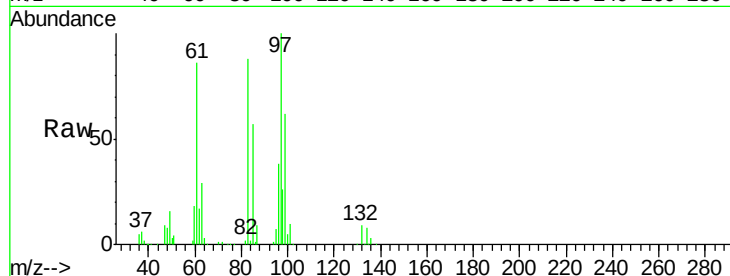




#47
 1,1,2-Trichloroethane
 Concen: 8.89 ppbv
 RT: 10.91 min Scan# 1283
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

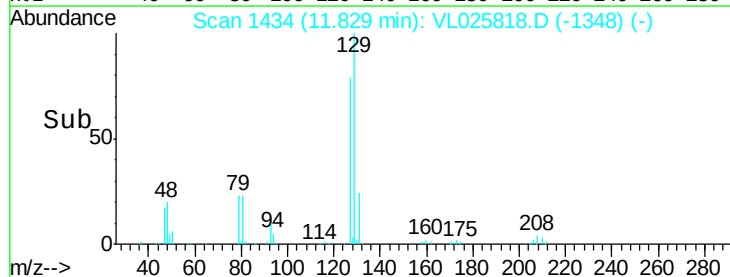
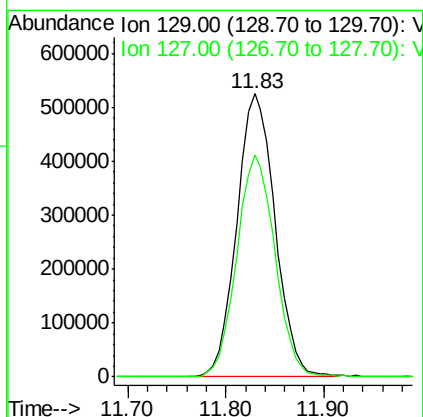
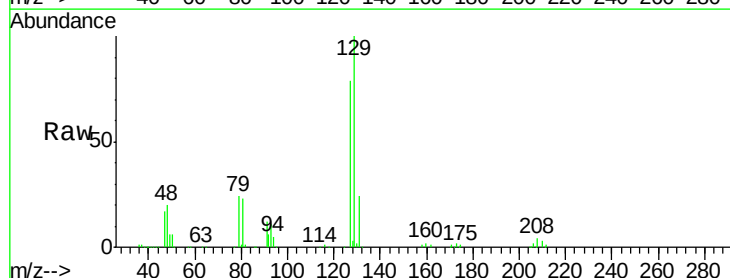
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

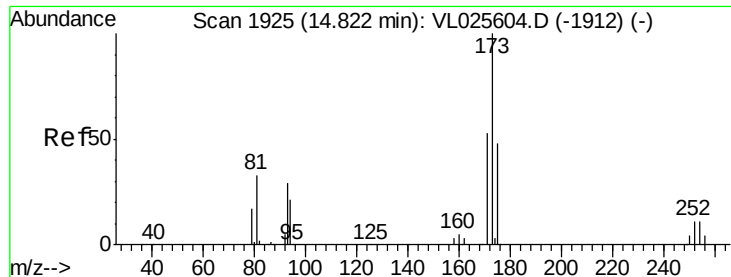
Tgt Ion: 97 Resp: 796500
 Ion Ratio Lower Upper
 97 100
 83 87.9 67.8 101.8
 85 56.8 43.5 65.3
 99 62.4 49.8 74.8



#48
 Dibromochloromethane
 Concen: 8.89 ppbv
 RT: 11.83 min Scan# 1434
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Tgt Ion: 129 Resp: 1424287
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.0 116.9





#49

Bromoform

Concen: 8.73 ppbv

RT: 14.85 min Scan# 1929

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

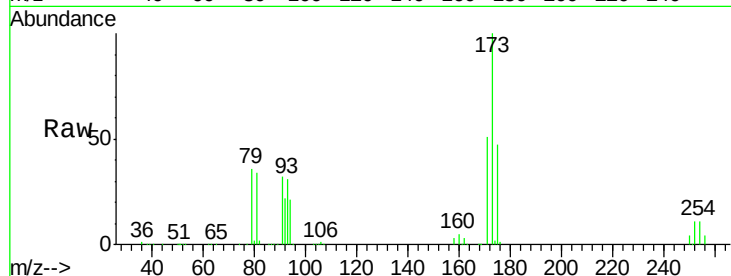
Tgt Ion:173 Resp: 1153891

Ion Ratio Lower Upper

173 100

175 48.4 39.5 59.3

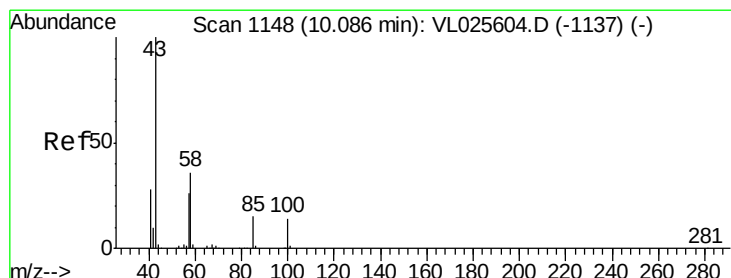
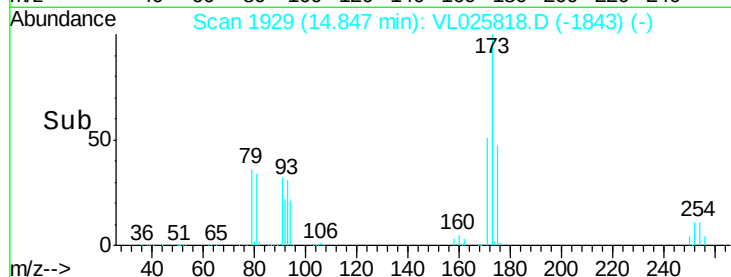
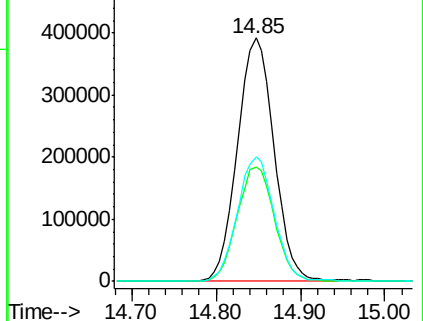
171 51.6 42.2 63.2



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: 9.78 ppbv

RT: 10.12 min Scan# 1153

Delta R.T. 0.03 min

Lab File: VL025818.D

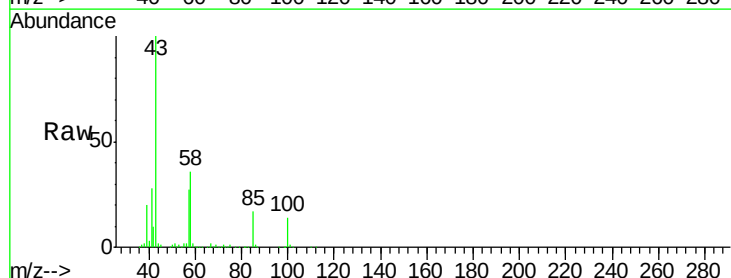
Acq: 31 Jul 2015 18:27

Tgt Ion: 43 Resp: 1454112

Ion Ratio Lower Upper

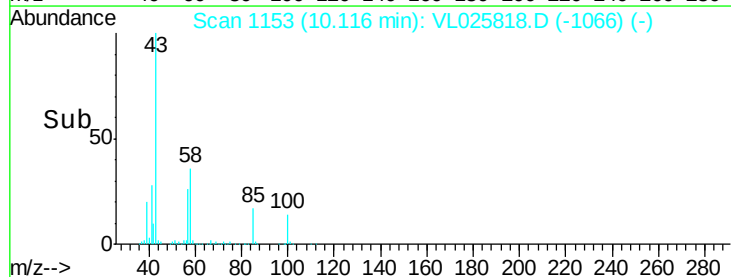
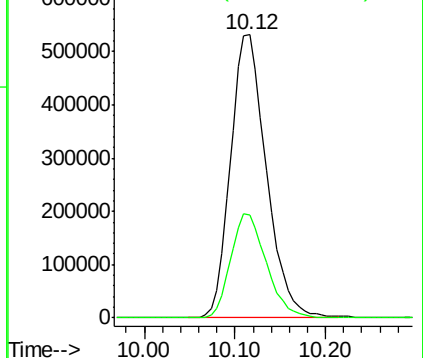
43 100

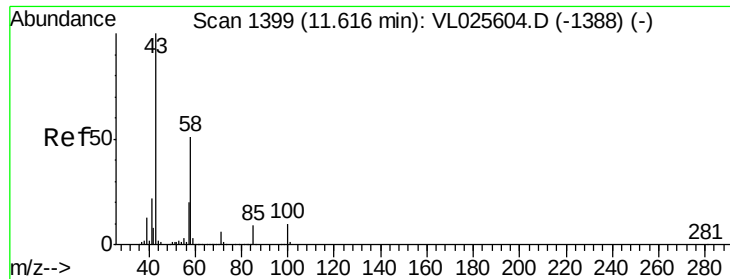
58 36.8 28.5 42.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

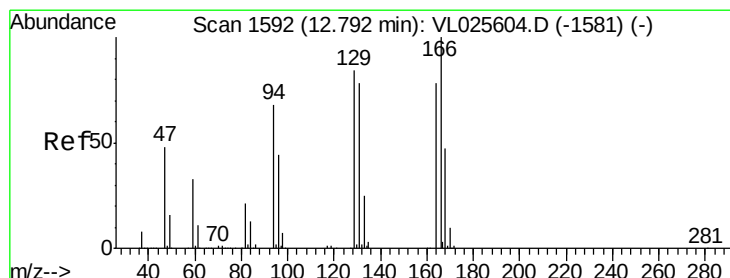
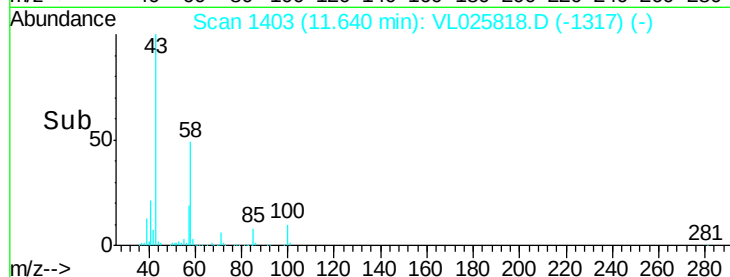
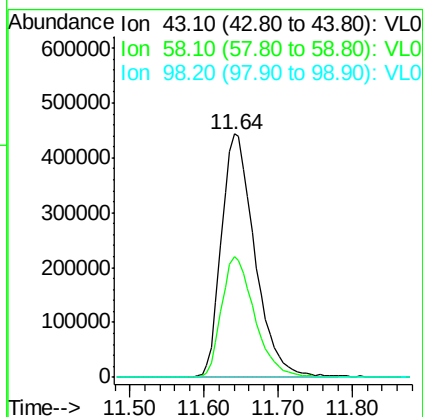
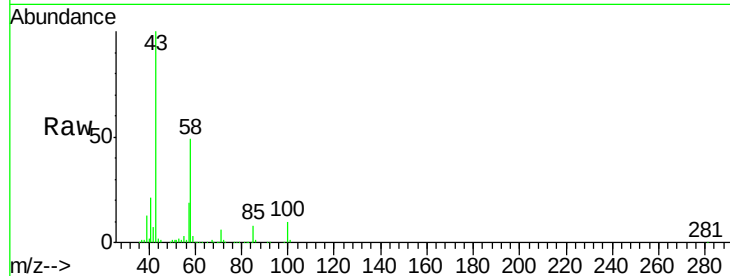




#51
2-Hexanone
Concen: 10.41 ppbv
RT: 11.64 min Scan# 1403
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

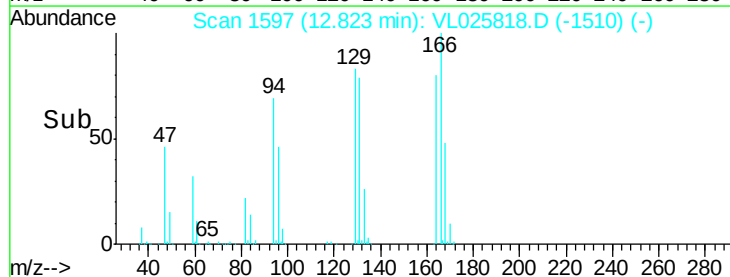
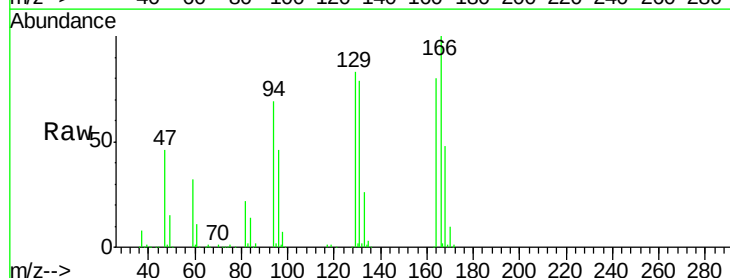
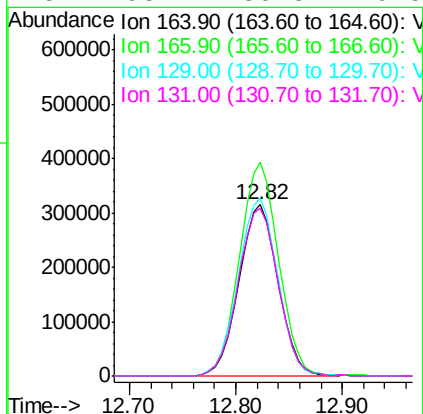
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

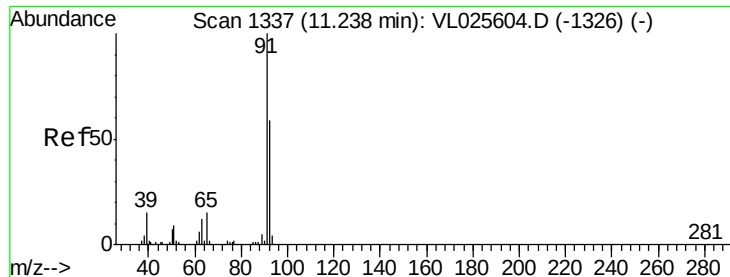
Tgt Ion: 43 Resp: 1389199
Ion Ratio Lower Upper
43 100
58 49.2 39.0 58.6
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.28 ppbv
RT: 12.82 min Scan# 1597
Delta R.T. 0.03 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Tgt Ion: 164 Resp: 811301
Ion Ratio Lower Upper
164 100
166 124.6 102.3 153.5
129 103.6 86.2 129.4
131 98.1 80.3 120.5





#53

Toluene

Concen: 9.56 ppbv

RT: 11.26 min Scan# 1341

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

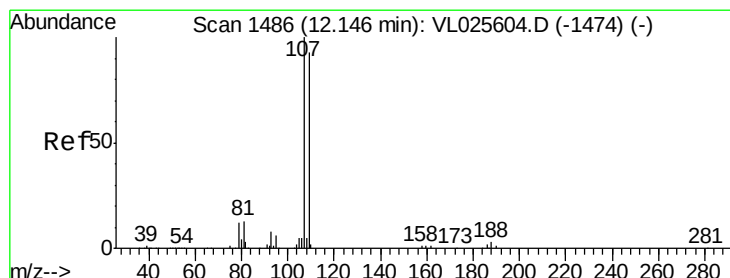
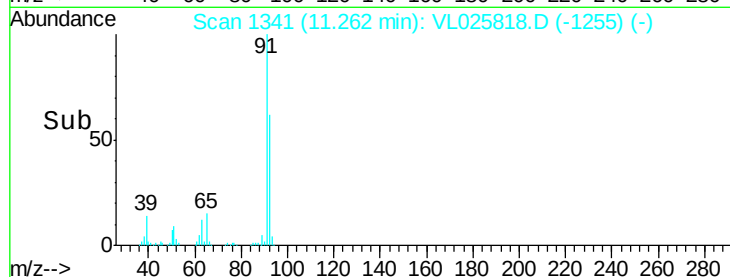
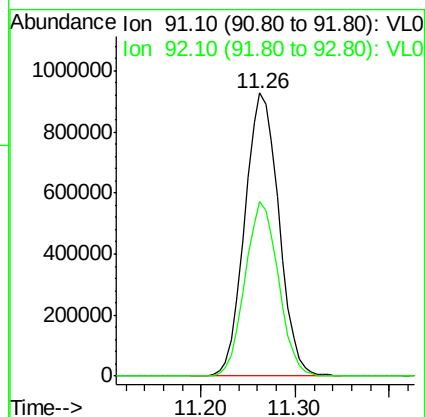
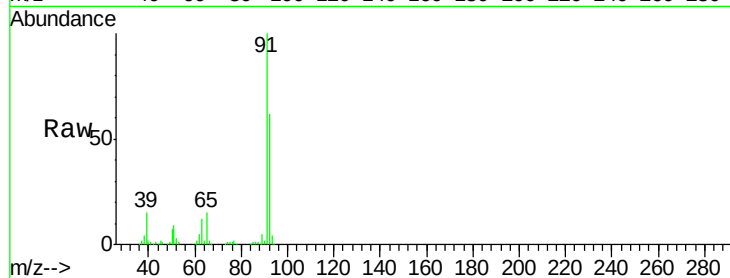
VSTDCCC010

Tgt Ion: 91 Resp: 2340731

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 8.83 ppbv

RT: 12.17 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VL025818.D

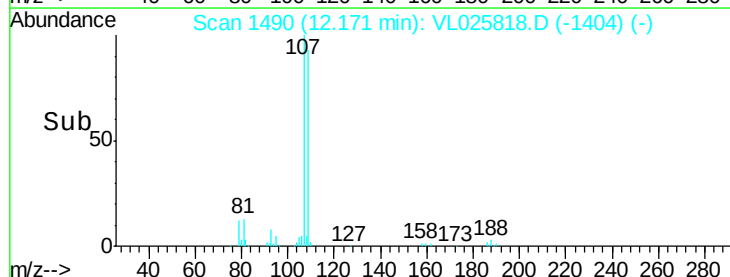
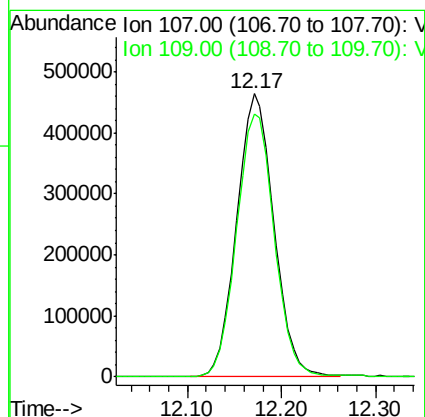
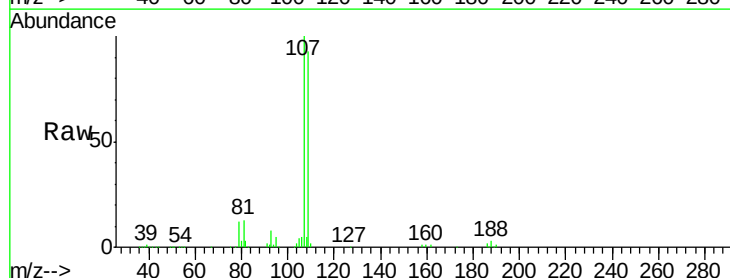
Acq: 31 Jul 2015 18:27

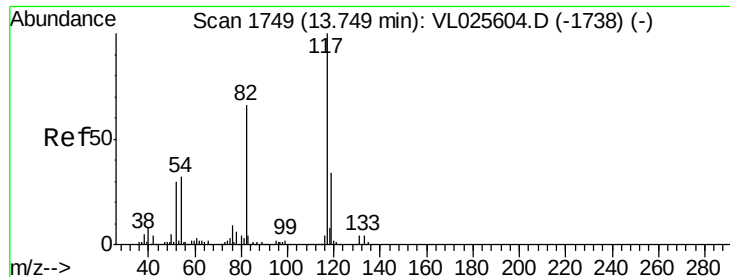
Tgt Ion: 107 Resp: 1279803

Ion Ratio Lower Upper

107 100

109 92.9 74.1 111.1

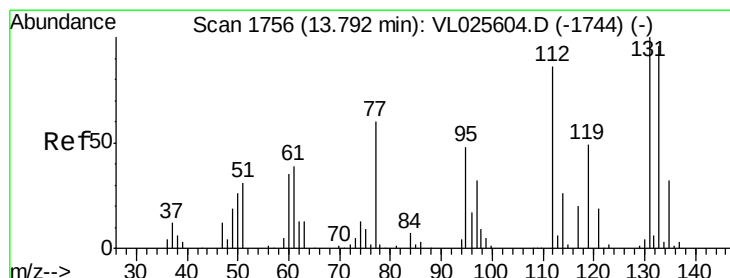
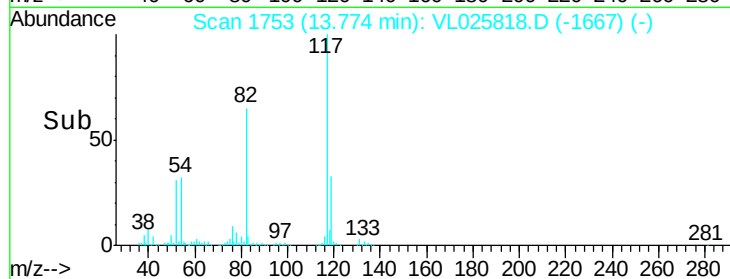
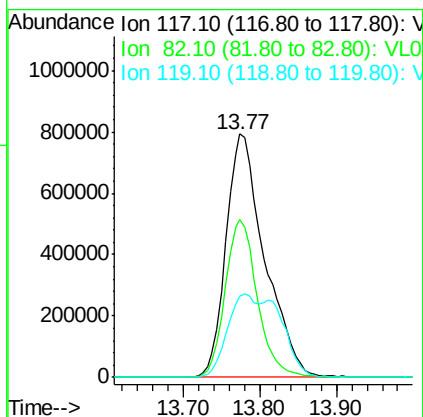
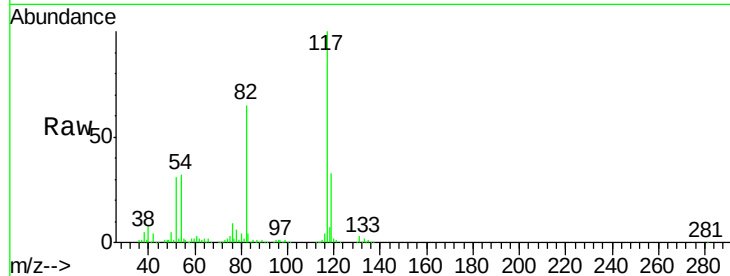




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

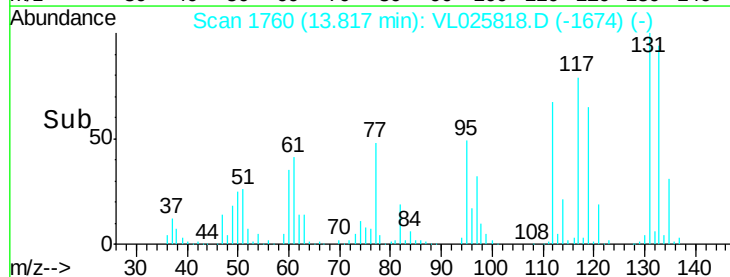
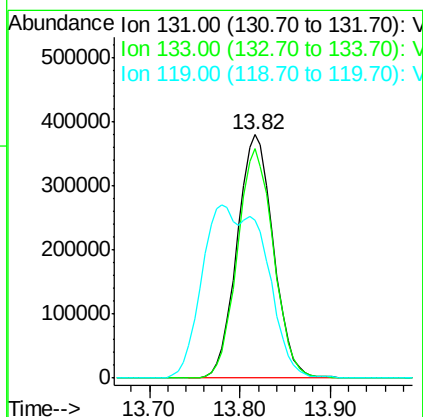
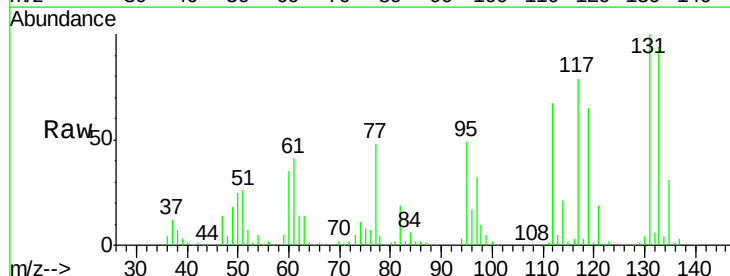
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

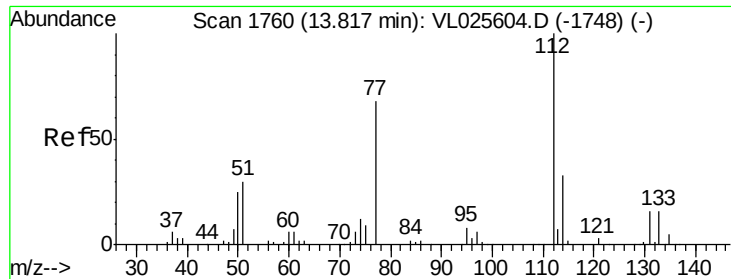
Tgt Ion:117 Resp: 2781365
Ion Ratio Lower Upper
117 100
82 54.0 50.5 75.7
119 47.4 45.1 67.7



#56
1,1,1,2-Tetrachloroethane
Concen: 6.99 ppbv
RT: 13.82 min Scan# 1760
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Tgt Ion:131 Resp: 1051044
Ion Ratio Lower Upper
131 100
133 94.7 76.9 115.3
119 125.4 97.8 146.8

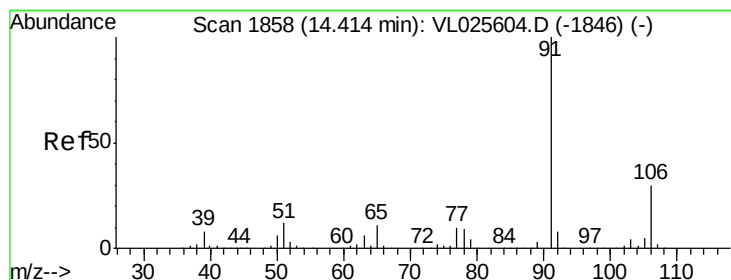
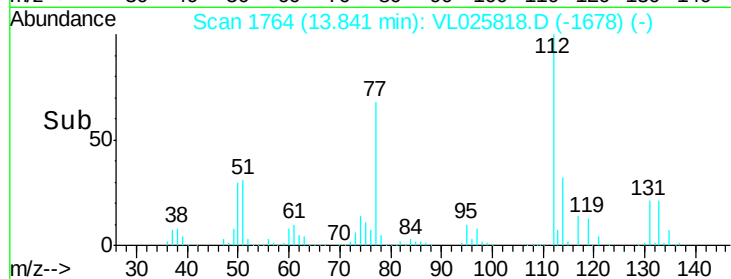
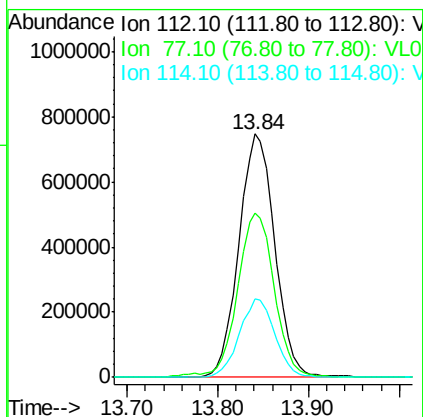
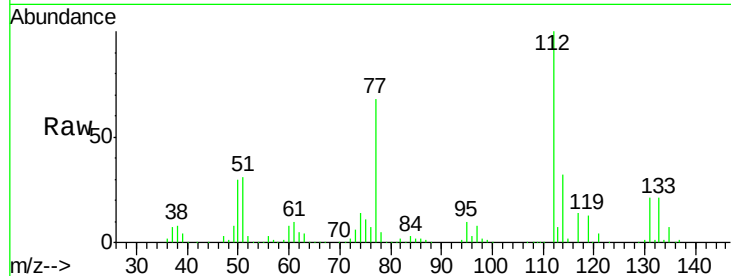




#57
Chlorobenzene
Concen: 6.93 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. 0.02 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

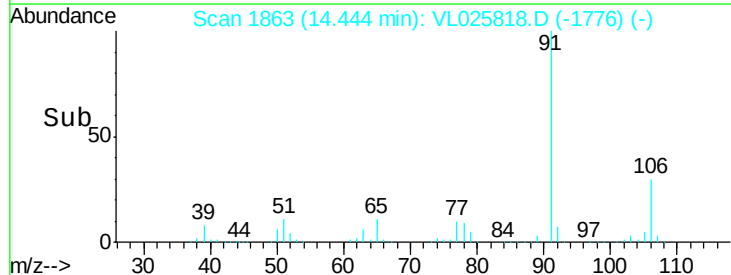
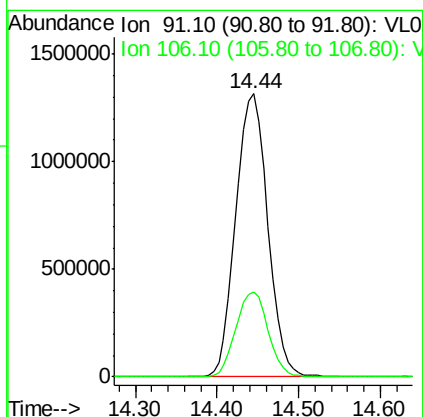
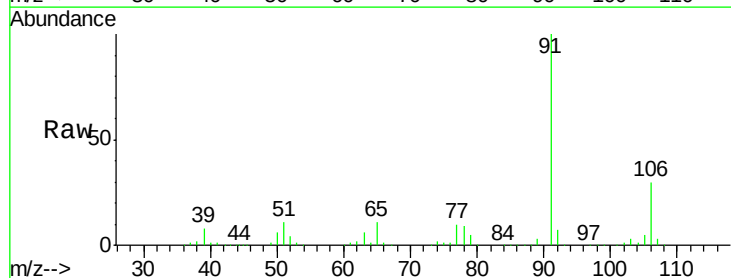
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

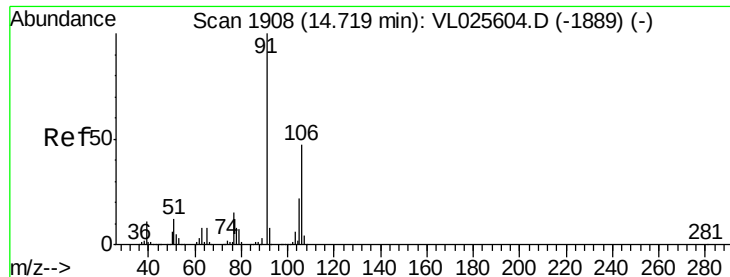
Tgt Ion: 112 Resp: 2051233
Ion Ratio Lower Upper
112 100
77 67.3 55.2 82.8
114 32.3 29.4 36.0



#58
Ethyl Benzene
Concen: 7.80 ppbv
RT: 14.44 min Scan# 1863
Delta R.T. 0.03 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Tgt Ion: 91 Resp: 3583381
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2

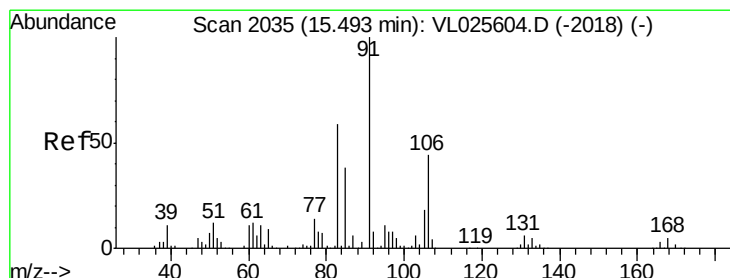
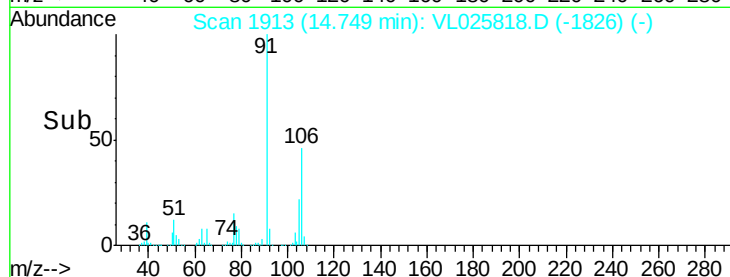
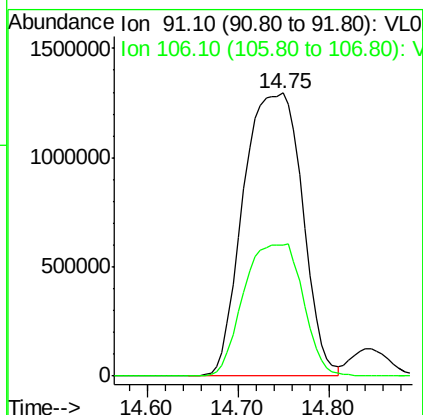
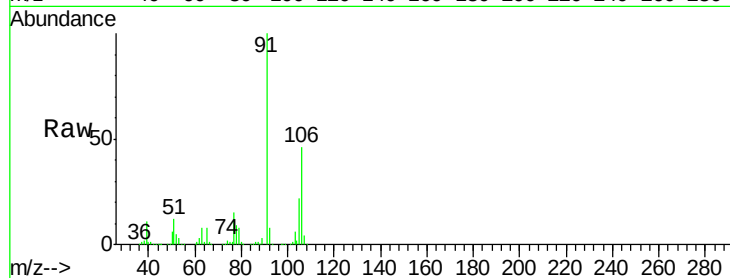




#59
m/p-Xylene
Concen: 14.41 ppbv
RT: 14.75 min Scan# 1913
Delta R.T. 0.03 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

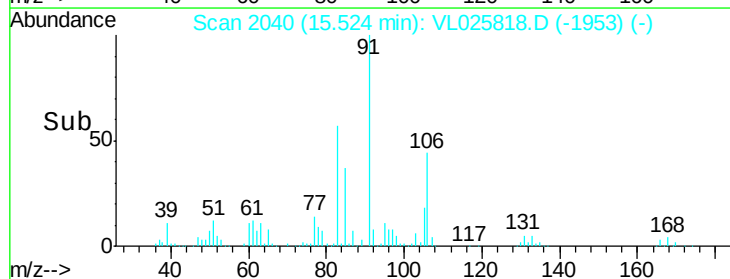
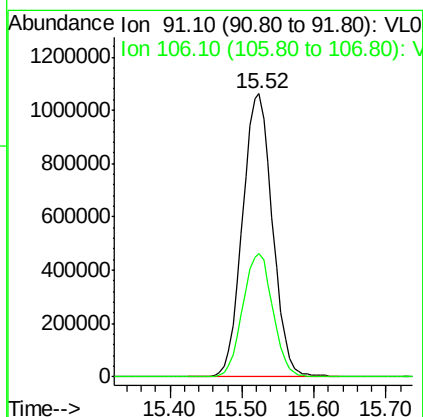
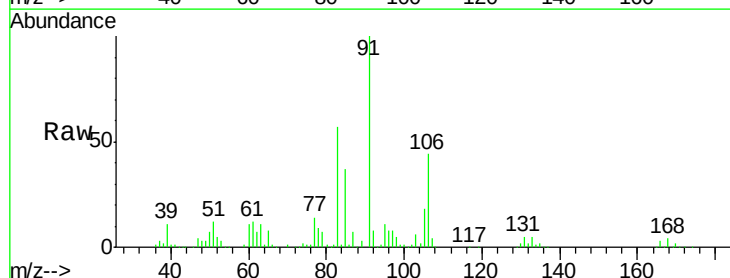
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

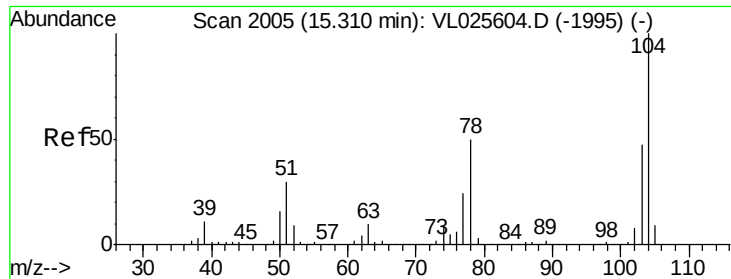
Tgt Ion: 91 Resp: 5818057
Ion Ratio Lower Upper
91 100
106 47.0 37.9 56.9



#60
o-Xylene
Concen: 7.03 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. 0.03 min
Lab File: VL025818.D
Acq: 31 Jul 2015 18:27

Tgt Ion: 91 Resp: 3056780
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.1





#61

Styrene

Concen: 8.71 ppbv

RT: 15.34 min Scan# 2010

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

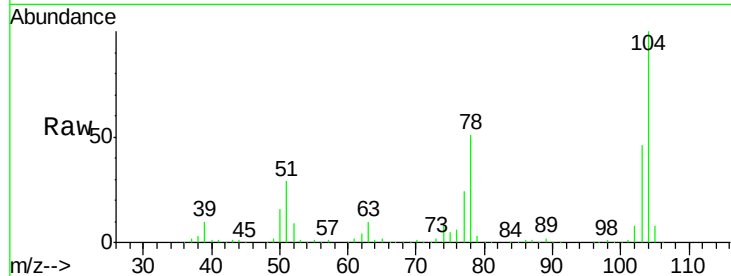
Tgt Ion:104 Resp: 1326969

Ion Ratio Lower Upper

104 100

78 50.7 40.2 60.4

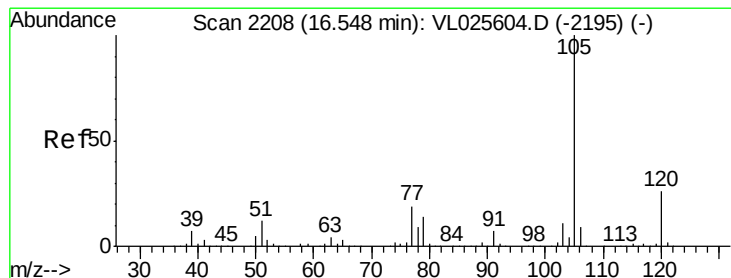
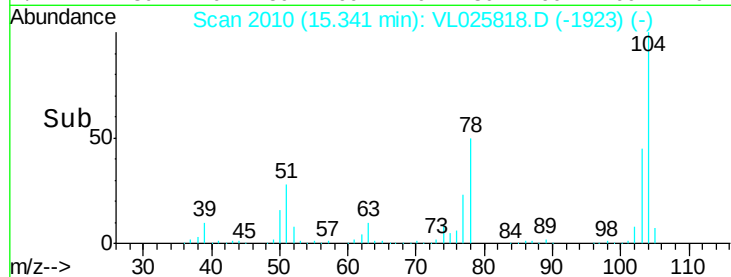
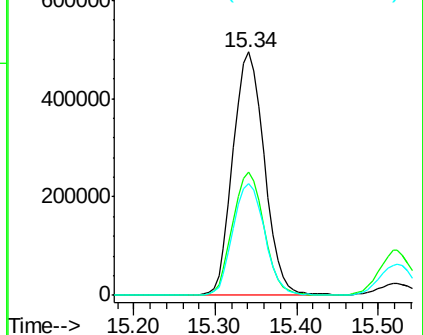
103 46.6 37.4 56.2



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: 7.12 ppbv

RT: 16.57 min Scan# 2212

Delta R.T. 0.02 min

Lab File: VL025818.D

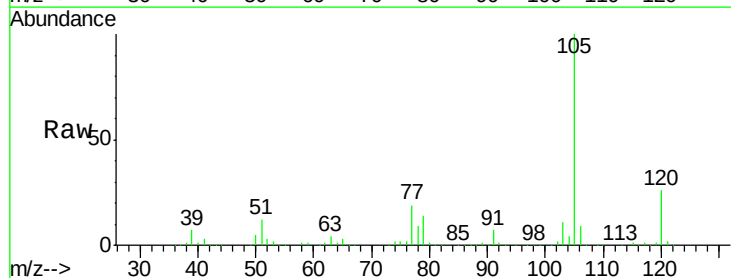
Acq: 31 Jul 2015 18:27

Tgt Ion:105 Resp: 4043367

Ion Ratio Lower Upper

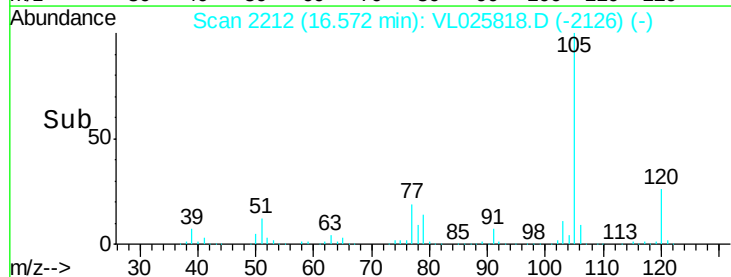
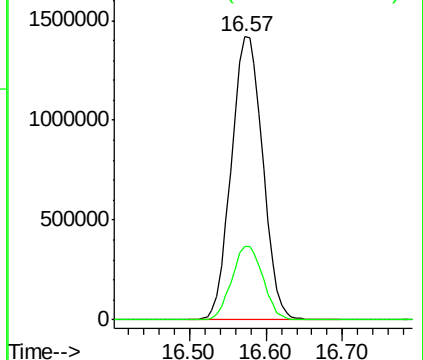
105 100

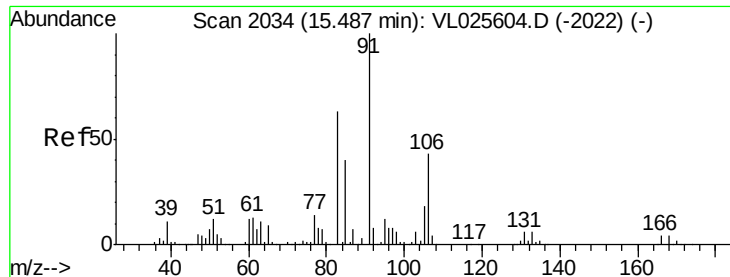
120 25.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

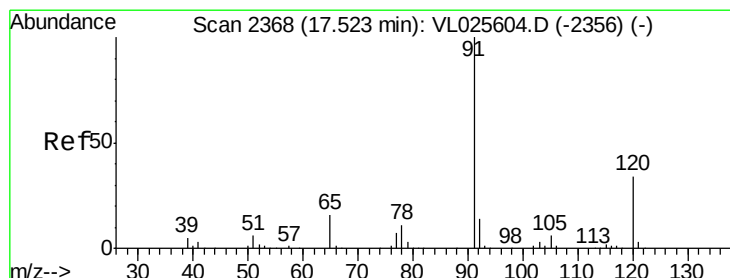
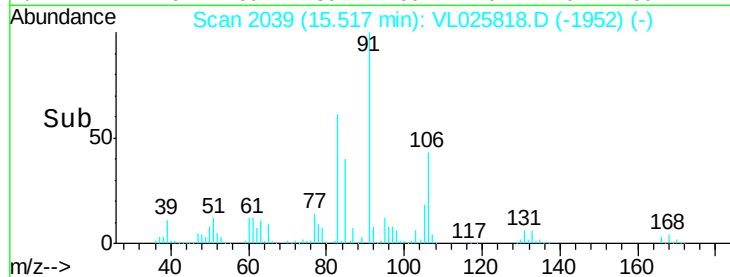
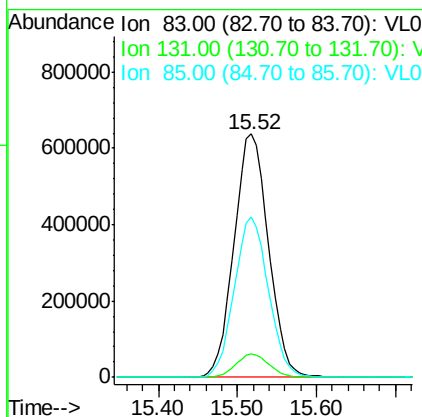
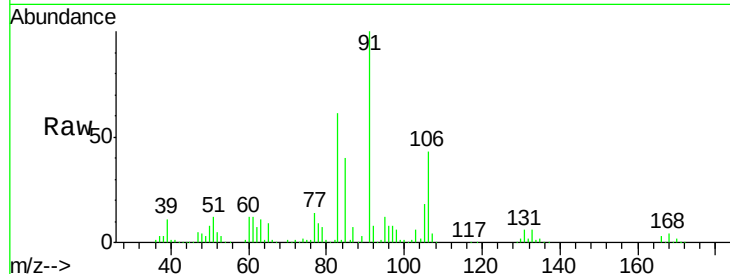




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.60 ppbv
 RT: 15.52 min Scan# 2039
 Delta R.T. 0.03 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

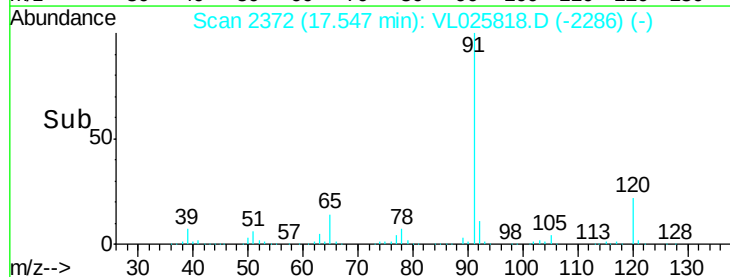
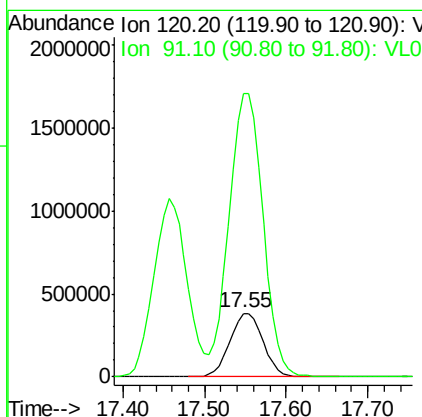
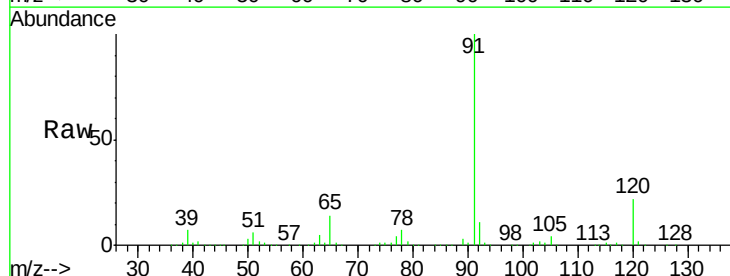
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

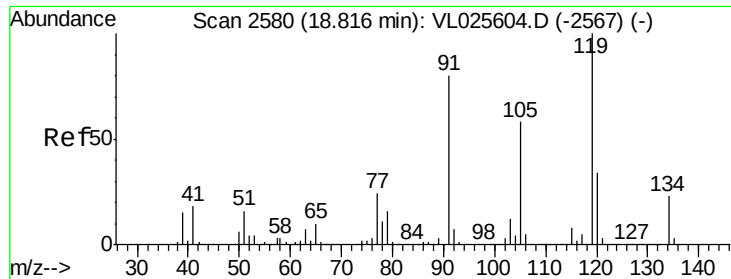
Tgt Ion: 83 Resp: 1941555
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.4
 85 65.3 32.4 97.2



#64
 n-propylbenzene
 Concen: 6.98 ppbv
 RT: 17.55 min Scan# 2372
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Tgt Ion: 120 Resp: 1072600
 Ion Ratio Lower Upper
 120 100
 91 449.6 370.5 555.7

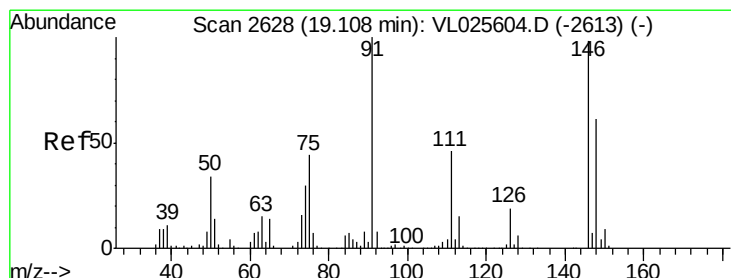
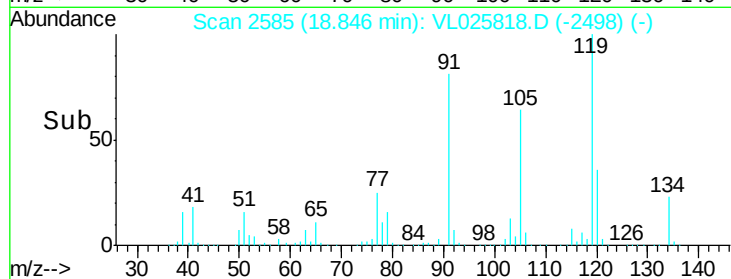
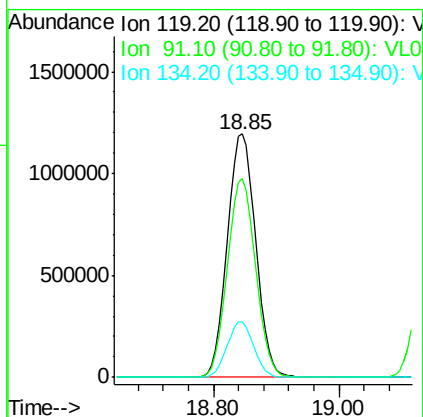
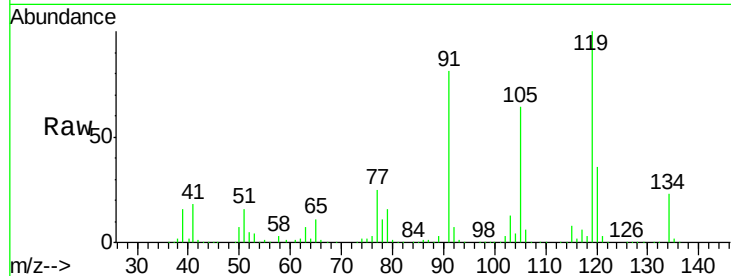




#65
 tert-Butylbenzene
 Concen: 6.72 ppbv
 RT: 18.85 min Scan# 2585
 Delta R.T. 0.03 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

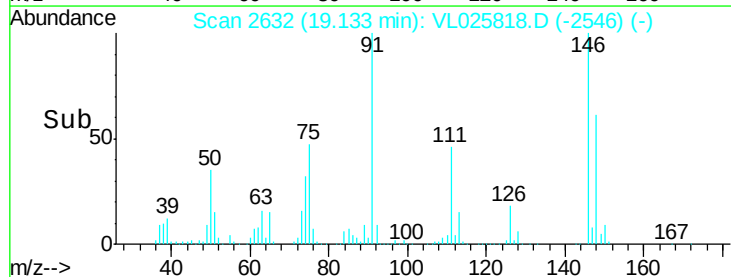
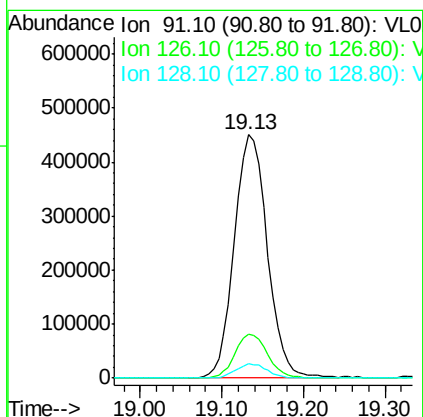
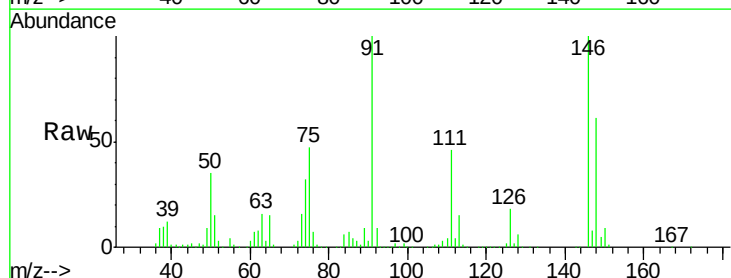
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

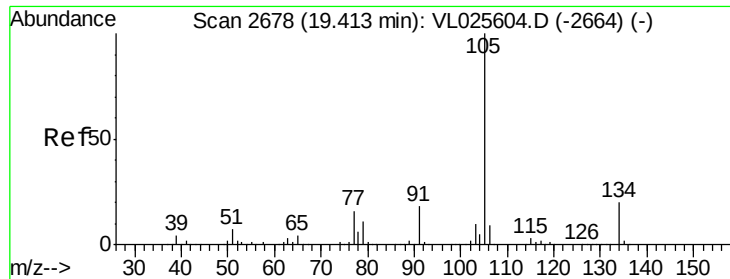
Tgt Ion: 119 Resp: 3750912
 Ion Ratio Lower Upper
 119 100
 91 81.3 64.5 96.7
 134 21.5 17.4 26.0



#66
 Benzyl Chloride
 Concen: 6.18 ppbv
 RT: 19.13 min Scan# 2632
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Tgt Ion: 91 Resp: 1265166
 Ion Ratio Lower Upper
 91 100
 126 17.9 14.5 21.7
 128 5.8 4.6 7.0





#67

sec-Butylbenzene

Concen: 6.71 ppbv

RT: 19.44 min Scan# 2683

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

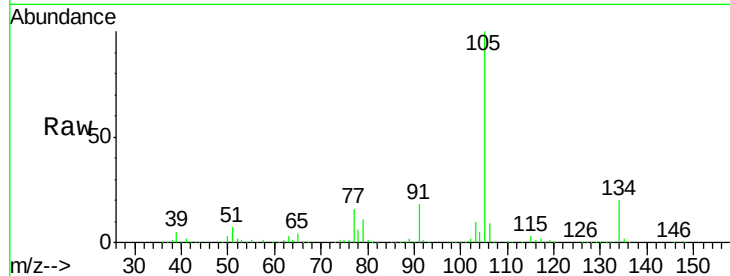
VSTDCCC010

Tgt Ion:105 Resp: 5247391

Ion Ratio Lower Upper

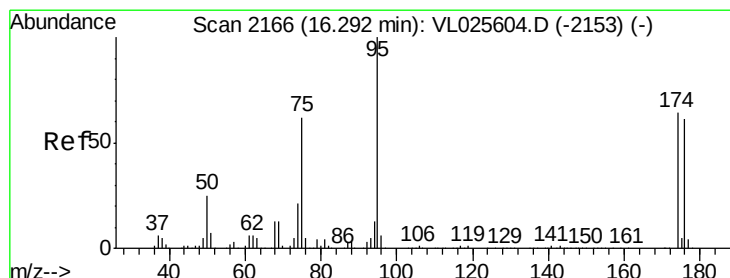
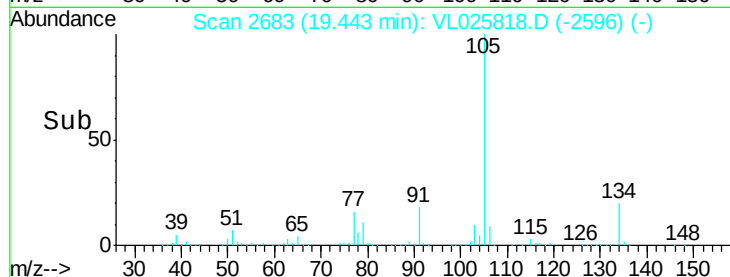
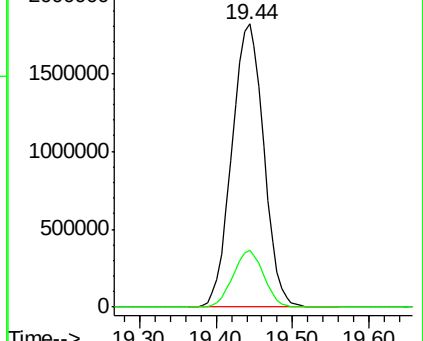
105 100

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: 7.99 ppbv

RT: 16.32 min Scan# 2170

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

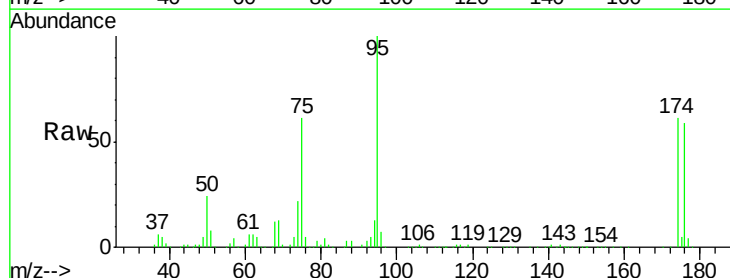
Tgt Ion: 95 Resp: 1875539

Ion Ratio Lower Upper

95 100

174 63.9 52.0 78.0

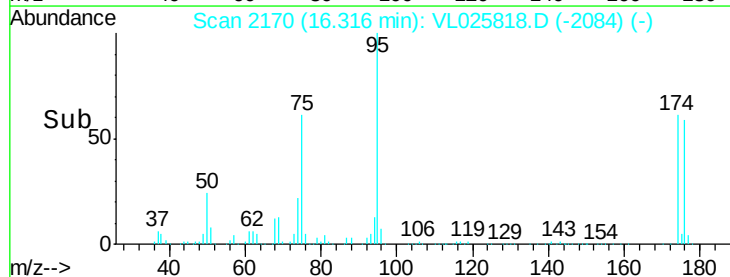
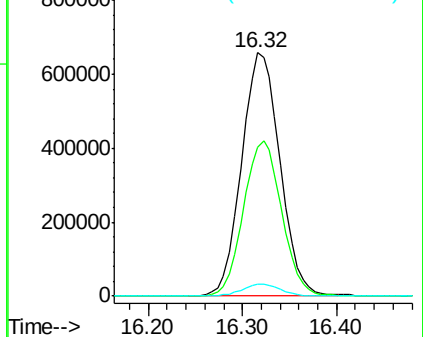
175 4.9 3.9 5.9

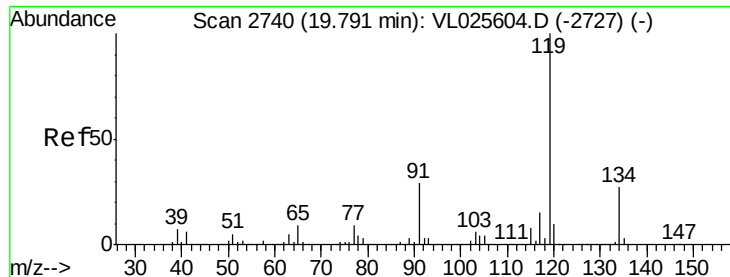


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 6.76 ppbv

RT: 19.82 min Scan# 2745

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

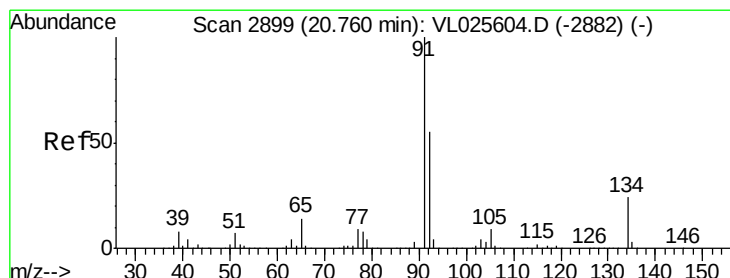
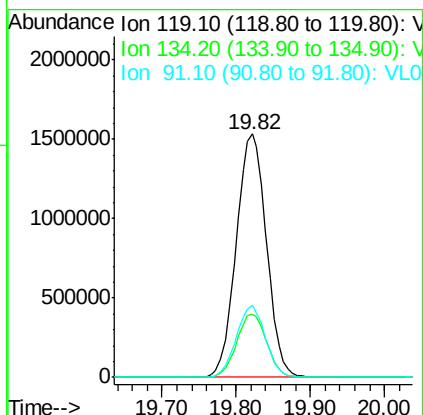
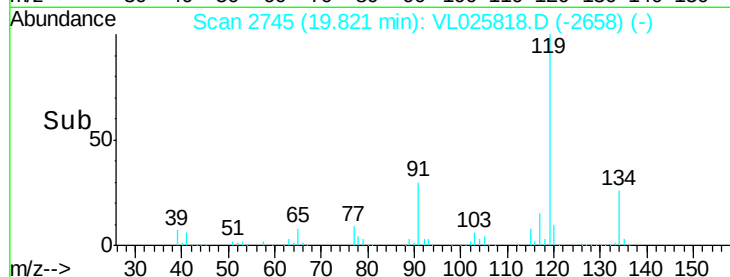
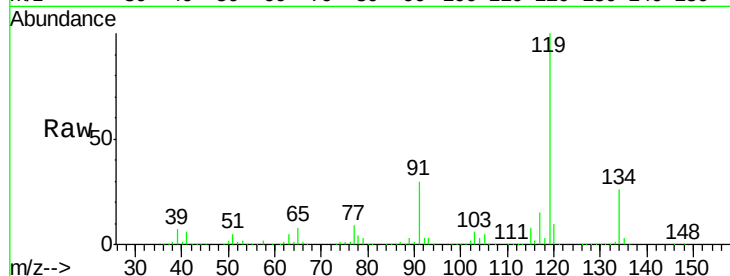
Tgt Ion: 119 Resp: 4351958

Ion Ratio Lower Upper

119 100

134 25.8 20.7 31.1

91 28.6 22.6 34.0



#70

n-Butylbenzene

Concen: 6.48 ppbv

RT: 20.78 min Scan# 2903

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

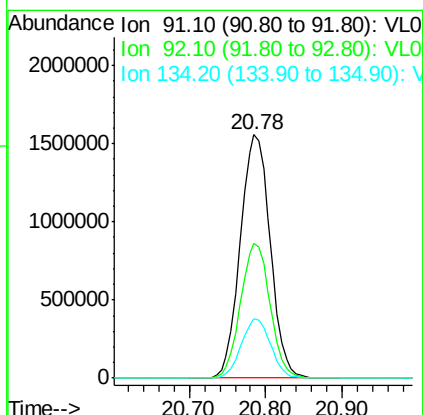
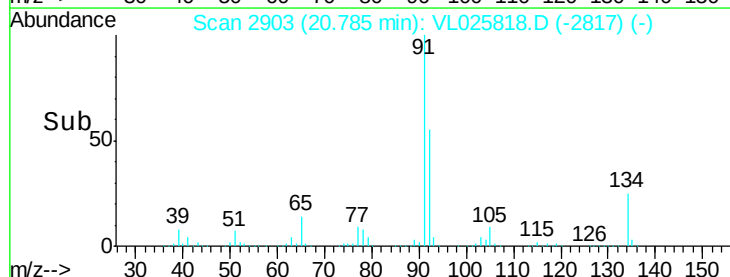
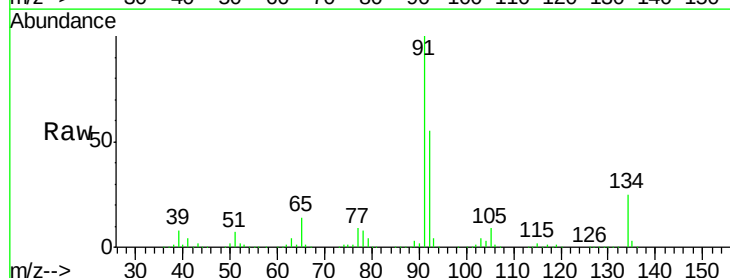
Tgt Ion: 91 Resp: 4236226

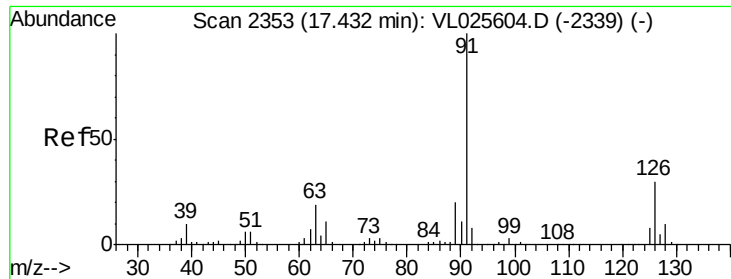
Ion Ratio Lower Upper

91 100

92 54.4 44.3 66.5

134 23.8 19.4 29.2

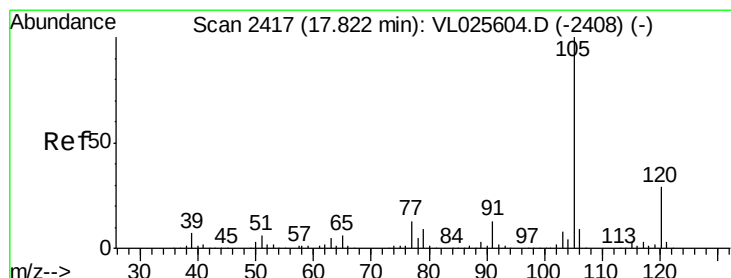
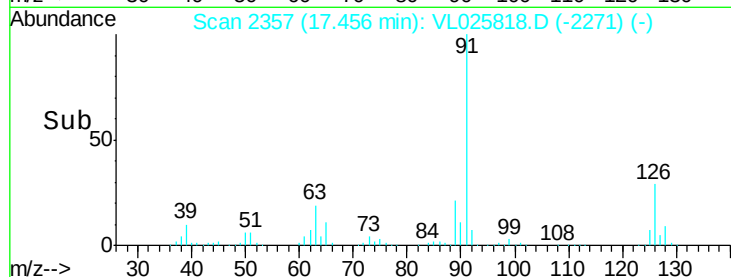
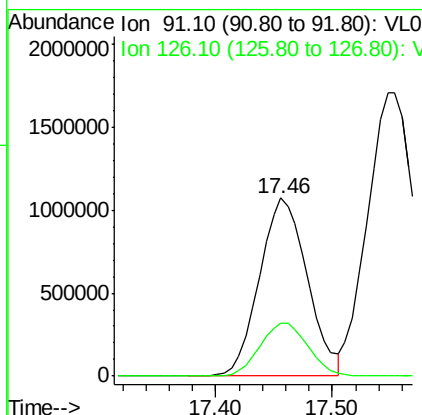
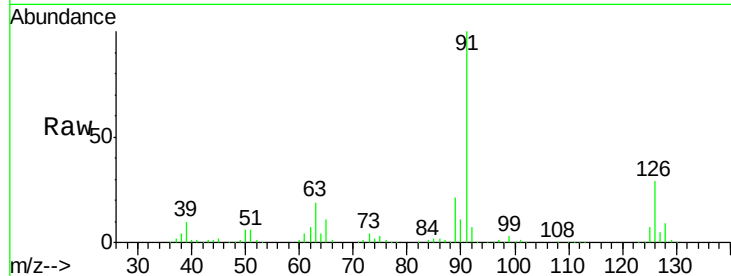




#71
 2-Chlorotoluene
 Concen: 7.33 ppbv
 RT: 17.46 min Scan# 2357
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

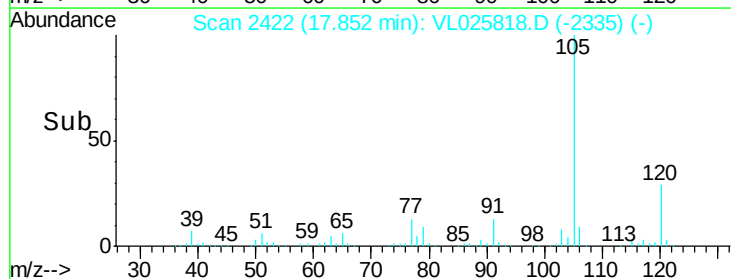
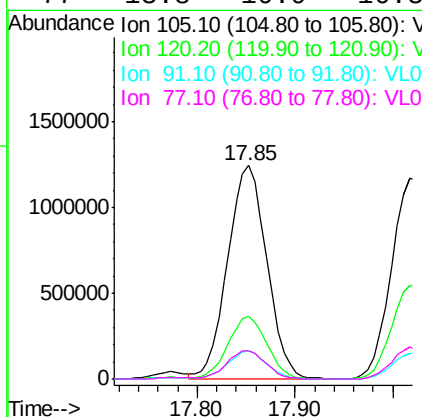
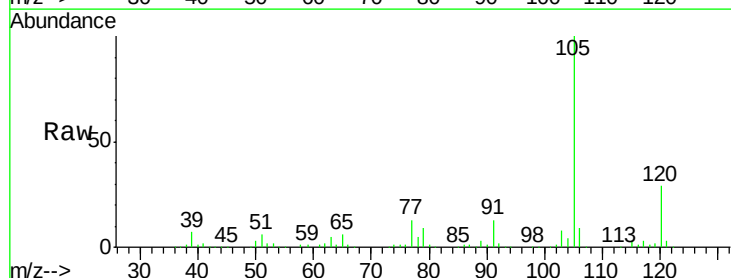
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

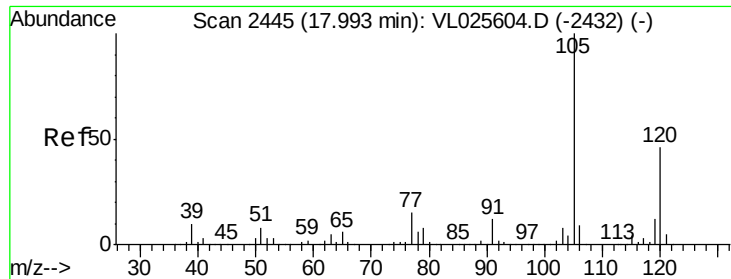
Tgt Ion: 91 Resp: 3054360
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.2 49.0



#72
 4-Ethyltoluene
 Concen: 7.19 ppbv
 RT: 17.85 min Scan# 2422
 Delta R.T. 0.03 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Tgt Ion: 105 Resp: 3454449
 Ion Ratio Lower Upper
 105 100
 120 29.9 23.9 35.9
 91 13.3 10.3 15.5
 77 13.8 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 7.03 ppbv

RT: 18.02 min Scan# 2449

Delta R.T. 0.02 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

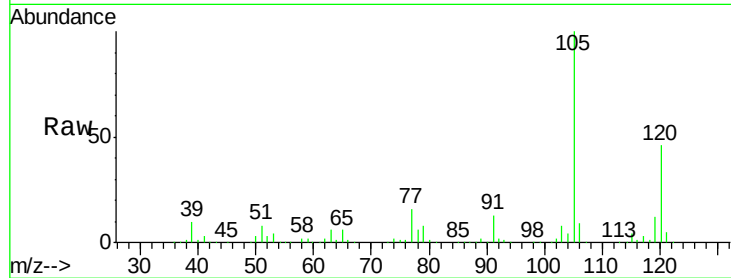
VSTDCCC010

Tgt Ion:105 Resp: 3321461

Ion Ratio Lower Upper

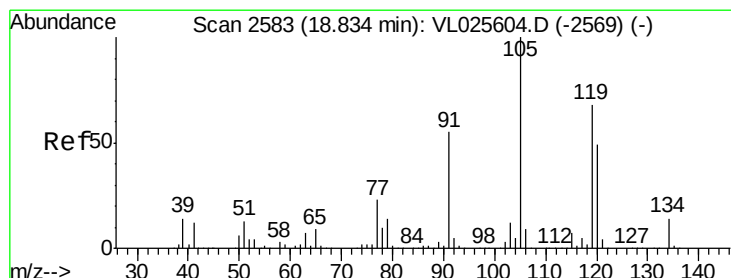
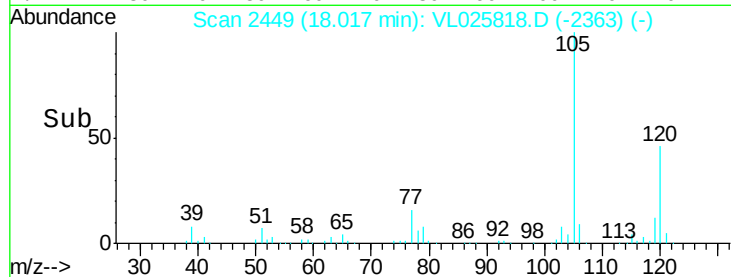
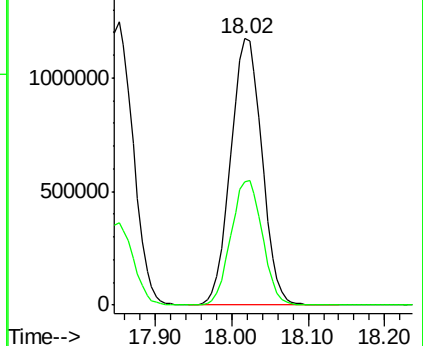
105 100

120 46.4 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: 6.54 ppbv

RT: 18.86 min Scan# 2588

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Tgt Ion:105 Resp: 3459944

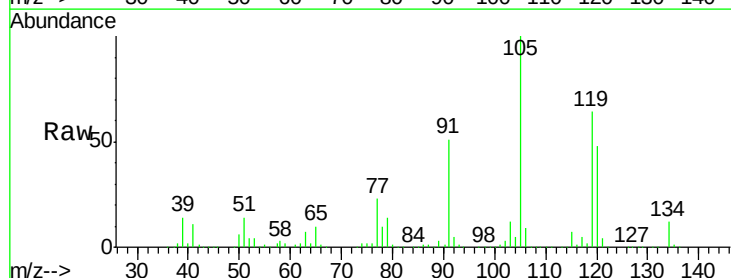
Ion Ratio Lower Upper

105 100

120 48.5 39.3 58.9

91 51.2 43.8 65.6

77 22.6 18.3 27.5

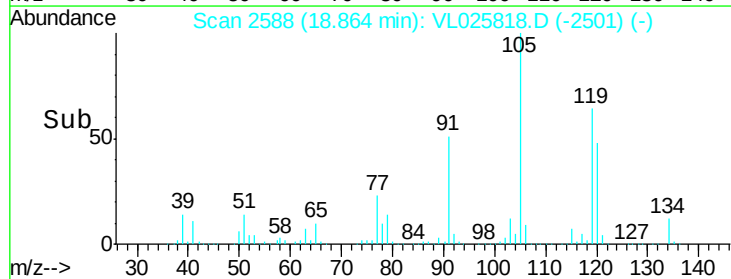
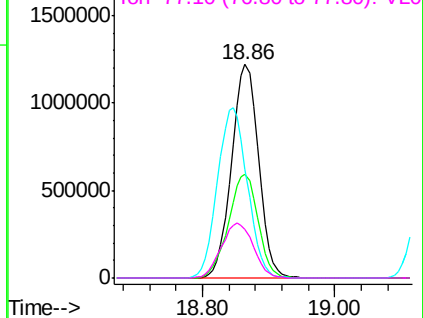


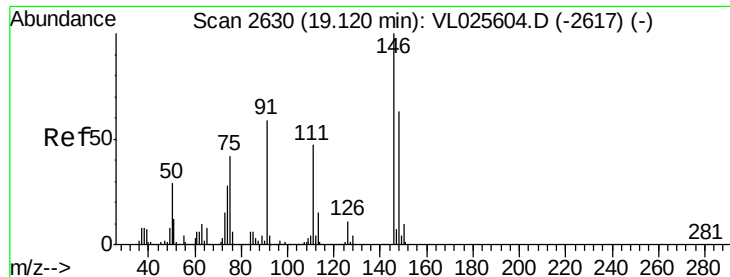
Abundance Ion 105.10 (104.80 to 105.80): V

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

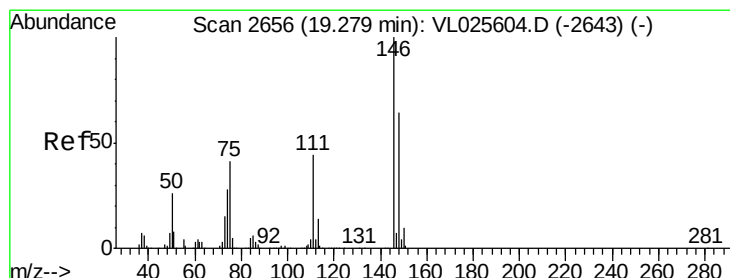
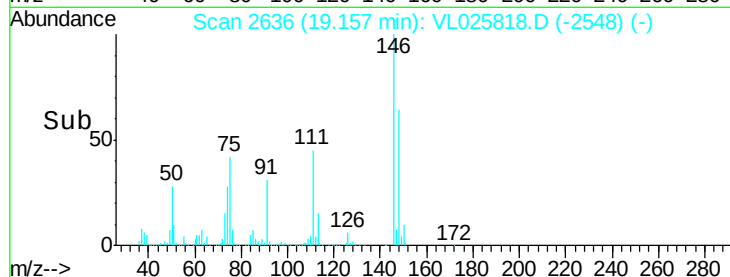
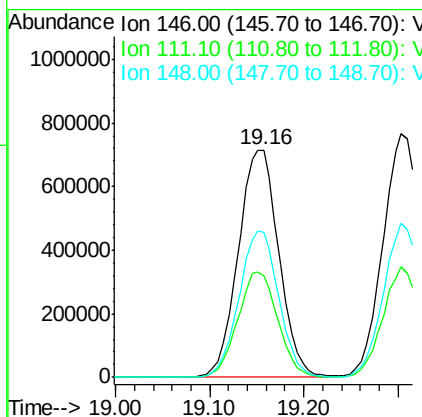
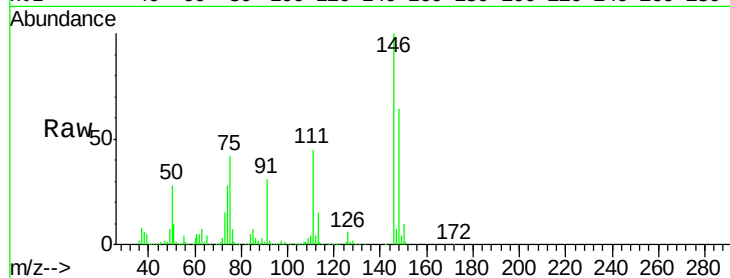




#75
 1,3-Dichlorobenzene
 Concen: 6.26 ppbv
 RT: 19.16 min Scan# 2636
 Delta R.T. 0.04 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

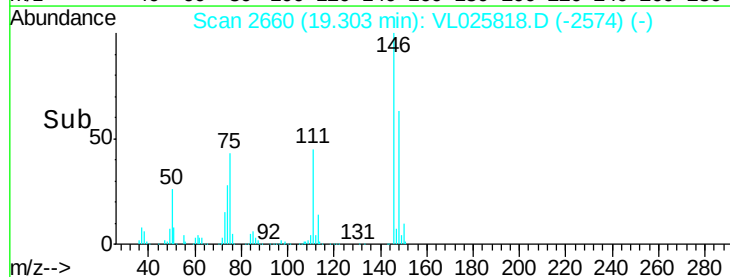
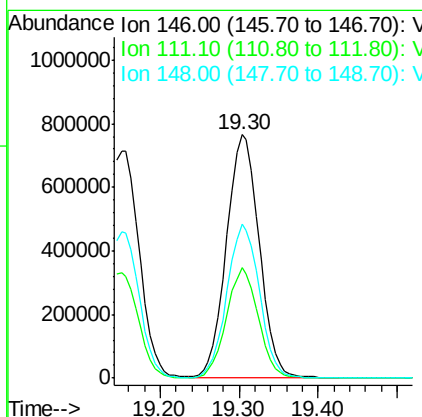
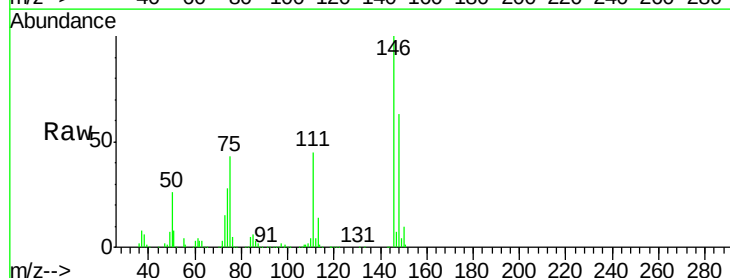
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

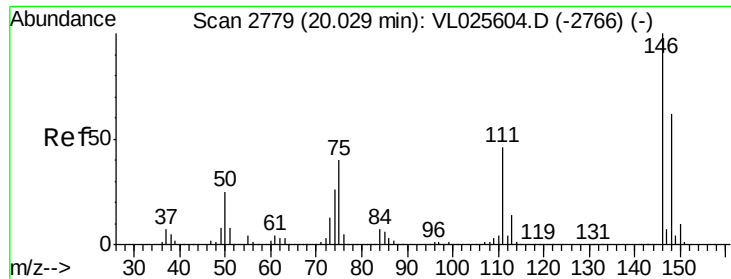
Tgt Ion:146 Resp: 2155296
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.7 68.1
 148 63.2 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 6.41 ppbv
 RT: 19.30 min Scan# 2660
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Tgt Ion:146 Resp: 2212535
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.1 66.1
 148 63.2 31.9 95.9





#77

1,2-Dichlorobenzene

Concen: 6.27 ppbv

RT: 20.06 min Scan# 2784

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

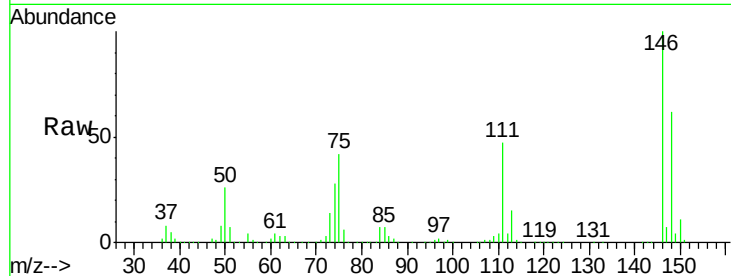
Tgt Ion:146 Resp: 2142614

Ion Ratio Lower Upper

146 100

111 47.2 23.4 70.3

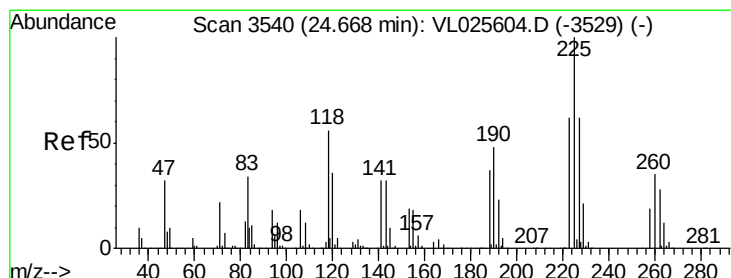
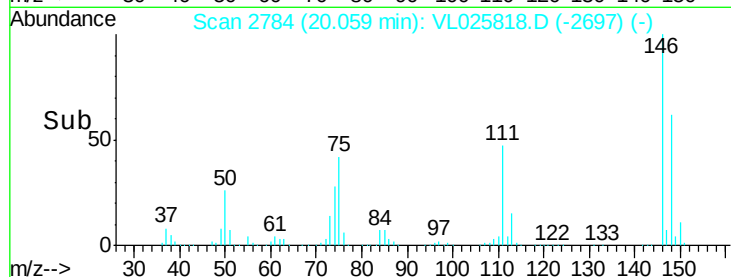
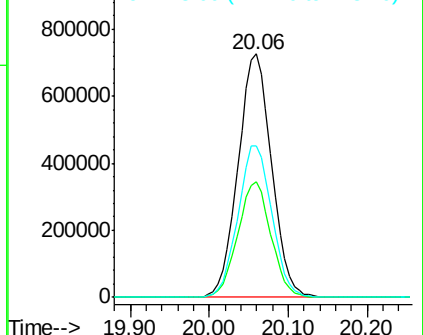
148 63.1 31.6 94.8



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: 4.67 ppbv

RT: 24.70 min Scan# 3545

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

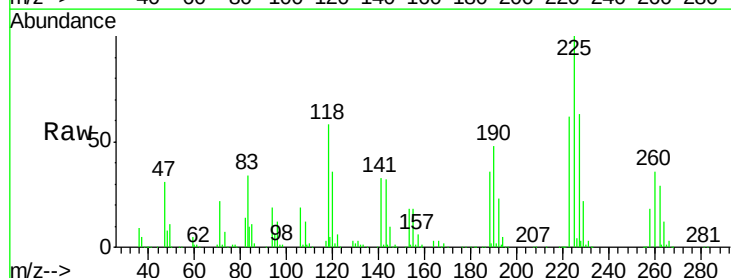
Tgt Ion:225 Resp: 981854

Ion Ratio Lower Upper

225 100

223 62.6 50.6 76.0

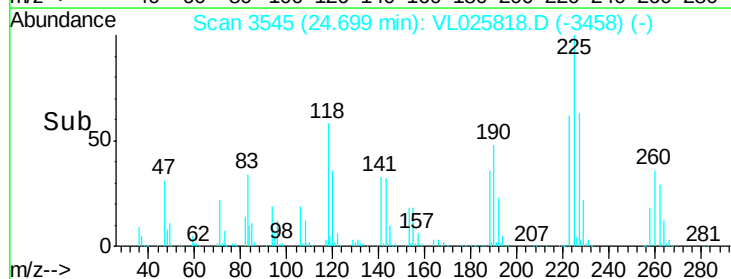
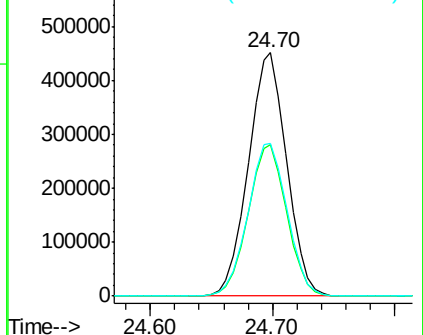
227 64.3 50.5 75.7

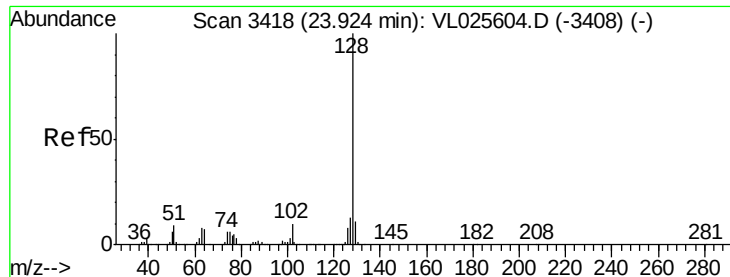


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 5.02 ppbv

RT: 23.95 min Scan# 3423

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

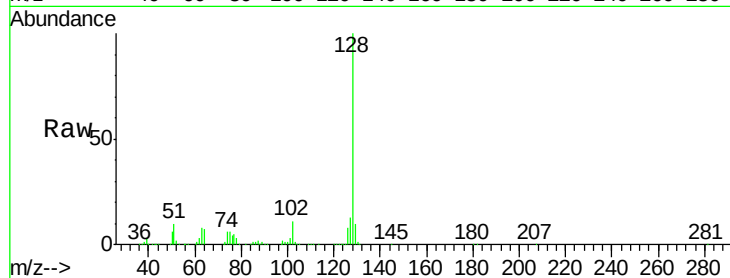
Tgt Ion:128 Resp: 2565707

Ion Ratio Lower Upper

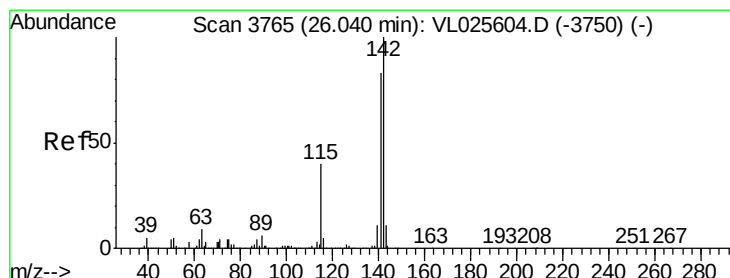
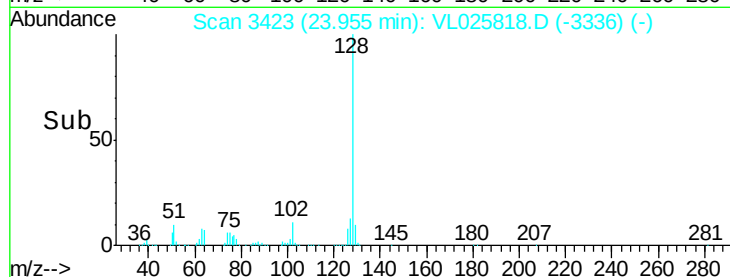
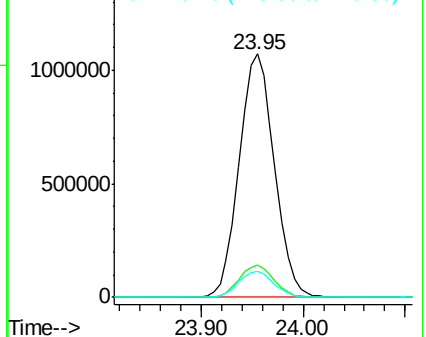
128 100

127 13.3 10.8 16.2

129 10.5 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: 4.49 ppbv

RT: 26.07 min Scan# 3770

Delta R.T. 0.03 min

Lab File: VL025818.D

Acq: 31 Jul 2015 18:27

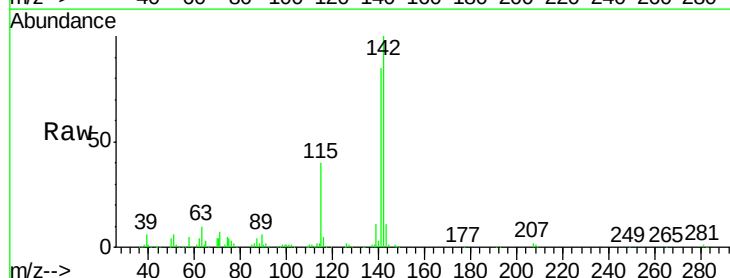
Tgt Ion:142 Resp: 666798

Ion Ratio Lower Upper

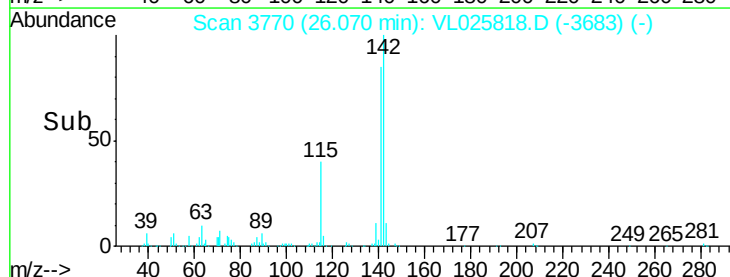
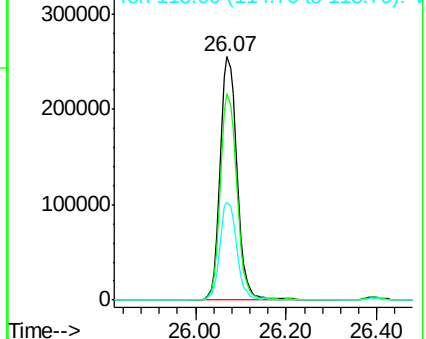
142 100

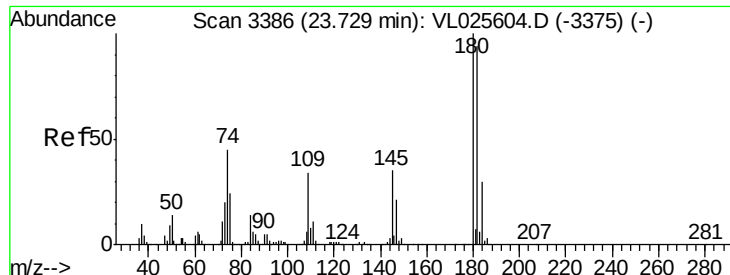
141 83.9 67.1 100.7

115 40.2 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: 5.00 ppbv
 RT: 23.75 min Scan# 3390
 Delta R.T. 0.02 min
 Lab File: VL025818.D
 Acq: 31 Jul 2015 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1226431
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.1 114.1
 184 30.5 24.4 36.6

