

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026269.D
 Acq On : 29 Oct 2015 16:54
 Operator : SY/AP
 Sample : VL1029ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 29 23:01:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	626722	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1838922	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	2577896	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.34	95	1607042	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	1205640	8.98	ppbv	100
3) Chlorodifluoromethane	3.60	51	667255	8.45	ppbv	100
4) Chloromethane	3.78	50	420463	9.33	ppbv	99
5) Vinyl Chloride	3.92	62	428855	8.64	ppbv	98
6) Bromomethane	4.17	94	307286	9.38	ppbv	99
7) Chloroethane	4.27	64	185075	9.41	ppbv	98
8) Dichlorotetrafluoroethane	3.83	85	997078	8.76	ppbv	100
9) Propene	3.62	41	359831	9.47	ppbv	98
10) Heptane	9.40	43	1174135	9.17	ppbv	99
11) Trichlorofluoromethane	4.73	101	1127587	8.88	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	755165	8.91	ppbv	100
13) Ethanol	4.36	45	55028	9.69	ppbv	97
14) Bromoethene	4.48	108	337775	9.47	ppbv	100
15) Acetone	4.63	43	706395	8.51	ppbv	100
16) 1,3-Butadiene	4.00	39	385706	9.43	ppbv	100
17) tert-Butyl alcohol	5.16	59	633152	10.63	ppbv	100
18) 1,1-Dichloroethene	5.12	96	363026	9.44	ppbv	96
19) Isopropyl Alcohol	4.78	45	391579	11.01	ppbv	94
20) Methylene Chloride	5.18	84	325890	9.02	ppbv	97
21) Allyl Chloride	5.26	41	564716	9.65	ppbv	98
22) trans-1,2-Dichloroethene	5.80	96	478431	9.32	ppbv	99
23) Vinyl Acetate	6.02	43	1589212	9.94	ppbv	99
24) 1,1-Dichloroethane	5.95	63	992755	9.03	ppbv	99
25) Ethyl Acetate	6.71	43	1597009	9.24	ppbv	100
26) Hexane	6.70	57	782989	9.25	ppbv	100
27) Carbon Disulfide	5.42	76	1004773	9.92	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	1382203	9.32	ppbv	100
29) Chloroform	6.79	83	1121096	8.94	ppbv	99
30) Cyclohexane	8.33	84	767874	9.23	ppbv	99
31) cis-1,2-Dichloroethene	6.56	61	735443	9.44	ppbv	99
32) 1,1,1-Trichloroethane	7.64	97	1143887	8.25	ppbv	100
34) 2-Butanone	6.24	43	1021613	9.20	ppbv	100
35) Carbon Tetrachloride	8.21	117	1171759	8.45	ppbv	99
36) Benzene	8.07	78	1756459	9.02	ppbv	99
37) 1,2-Dichloroethane	7.42	62	908007	9.05	ppbv	100
38) Trichloroethene	9.11	130	687607	7.35	ppbv	98
39) 1,2-Dichloropropane	8.87	63	632554	8.93	ppbv	99
40) 1,4-Dioxane	9.16	88	157383	12.98	ppbv	79
41) Tetrahydrofuran	7.16	42	621284	9.68	ppbv	99
42) Bromodichloromethane	9.07	83	1239300	9.22	ppbv	100
43) Methyl Methacrylate	9.31	69	663050	9.58	ppbv	100

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026269.D
 Acq On : 29 Oct 2015 16:54
 Operator : SY/AP
 Sample : VL1029ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 29 23:01:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

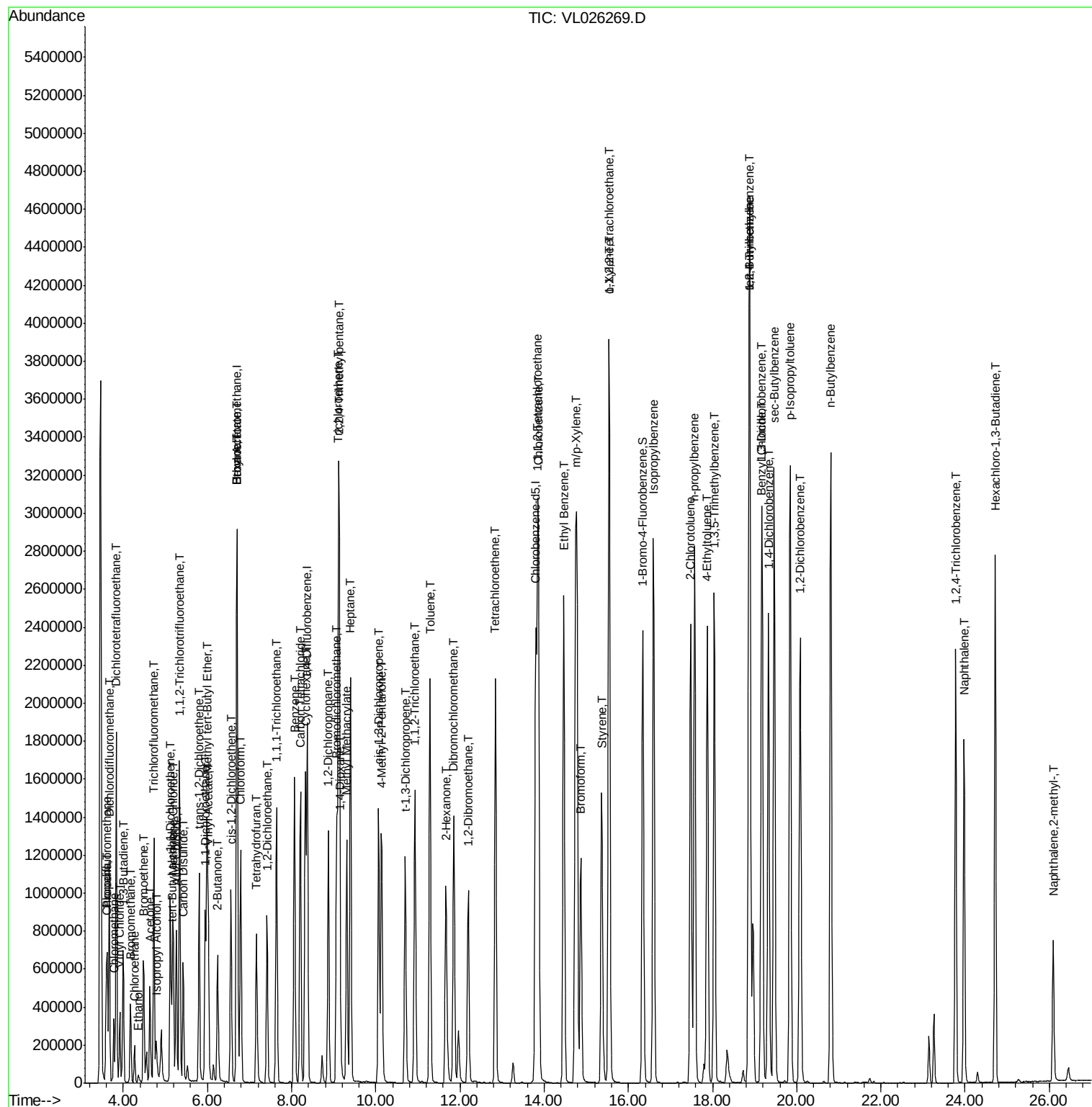
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	2750954	8.66	ppbv	100
45) t-1,3-Dichloropropene	10.70	75	994353	10.20	ppbv	99
46) cis-1,3-Dichloropropene	10.07	75	1158916	9.77	ppbv	99
47) 1,1,2-Trichloroethane	10.93	97	751093	8.77	ppbv	100
48) Dibromochloromethane	11.85	129	1168291	9.54	ppbv	100
49) Bromoform	14.87	173	939739	9.87	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	1396692	9.40	ppbv	100
51) 2-Hexanone	11.66	43	1347729	9.96	ppbv #	100
52) Tetrachloroethene	12.84	164	732069	7.45	ppbv	99
53) Toluene	11.29	91	2275382	9.00	ppbv	100
54) 1,2-Dibromoethane	12.19	107	1149236	8.86	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	839678	7.43	ppbv	99
57) Chlorobenzene	13.87	112	1803936	7.06	ppbv	98
58) Ethyl Benzene	14.46	91	3158449	7.45	ppbv	100
59) m/p-Xylene	14.77	91	4797952	14.30	ppbv #	100
60) o-Xylene	15.54	91	2437631	6.95	ppbv	100
61) Styrene	15.37	104	1219345	8.18	ppbv	99
62) Isopropylbenzene	16.60	105	3415379	7.17	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	1640389	6.01	ppbv	100
64) n-propylbenzene	17.58	120	945328	7.31	ppbv	93
65) tert-Butylbenzene	18.87	119	2941622	6.84	ppbv	100
66) Benzyl Chloride	19.16	91	1251731	9.34	ppbv	100
67) sec-Butylbenzene	19.46	105	4275489	7.01	ppbv	100
69) p-Isopropyltoluene	19.85	119	3531940	7.12	ppbv	100
70) n-Butylbenzene	20.81	91	3321939	7.04	ppbv	100
71) 2-Chlorotoluene	17.48	91	2556638	7.28	ppbv	99
72) 4-Ethyltoluene	17.88	105	2885259	7.32	ppbv	100
73) 1,3,5-Trimethylbenzene	18.04	105	2648069	7.12	ppbv	97
74) 1,2,4-Trimethylbenzene	18.89	105	2646697	6.80	ppbv	99
75) 1,3-Dichlorobenzene	19.18	146	1763203	7.00	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	1837587	7.17	ppbv	100
77) 1,2-Dichlorobenzene	20.08	146	1763633	7.01	ppbv	100
78) Hexachloro-1,3-Butadiene	24.72	225	688595	6.76	ppbv	99
79) Naphthalene	23.97	128	2190512	7.87	ppbv	99
80) Naphthalene, 2-methyl-	26.09	142	620507	12.09	ppbv	97
81) 1,2,4-Trichlorobenzene	23.78	180	1028877	7.40	ppbv	99

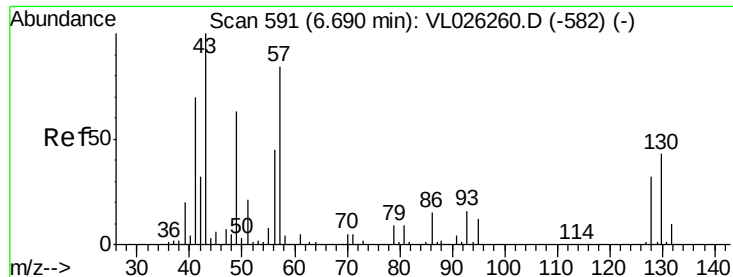
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
Data File : VL026269.D
Acq On : 29 Oct 2015 16:54
Operator : SY/AP
Sample : VL1029ABS01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampled :

Quant Time: Oct 29 23:01:47 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :

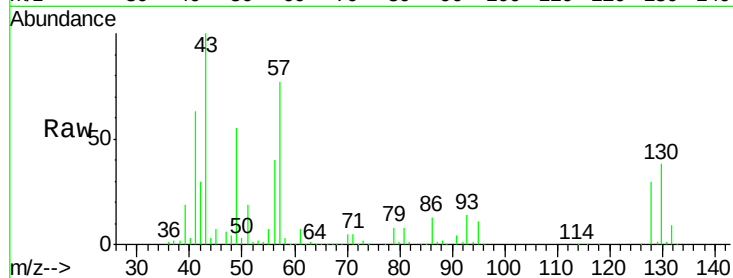
Tot Ion: 49 Resp: 626722

Ion Ratio Lower Upper

49 100

128 53.1 26.7 80.1

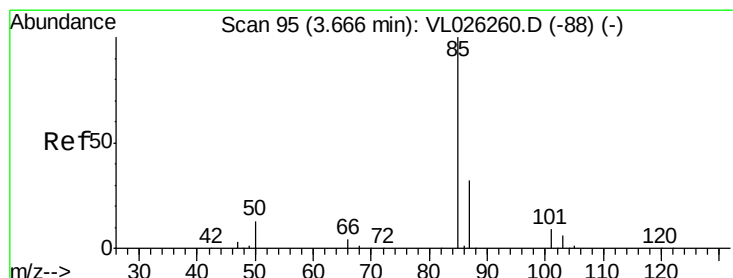
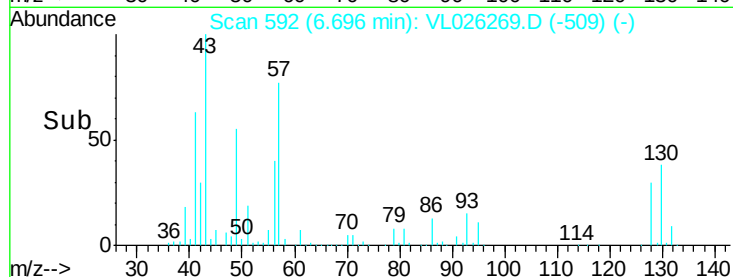
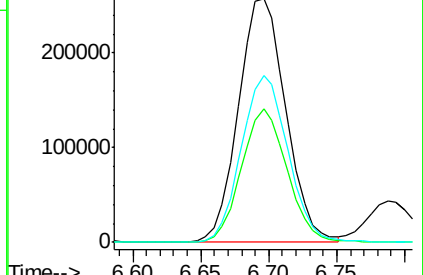
130 68.2 34.4 103.2



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: 8.98 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026269.D

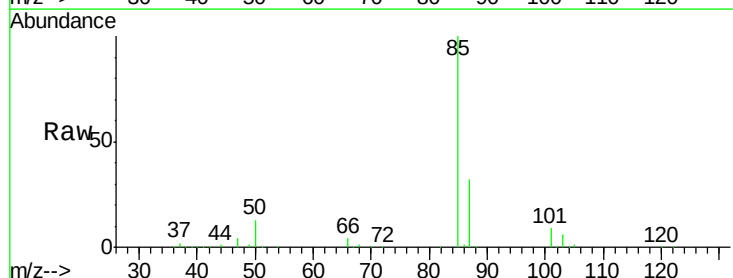
Acq: 29 Oct 2015 16:54

Tgt Ion: 85 Resp: 1205640

Ion Ratio Lower Upper

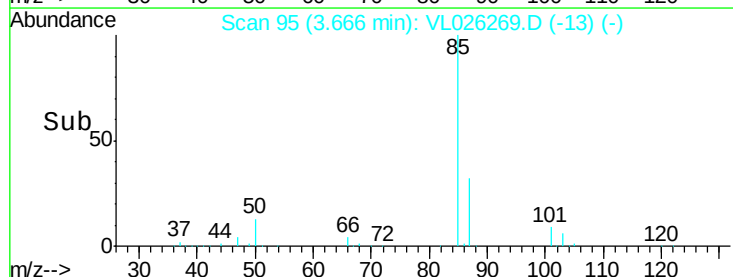
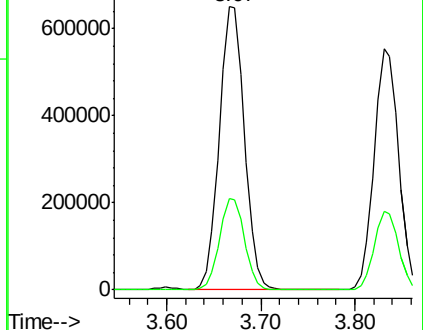
85 100

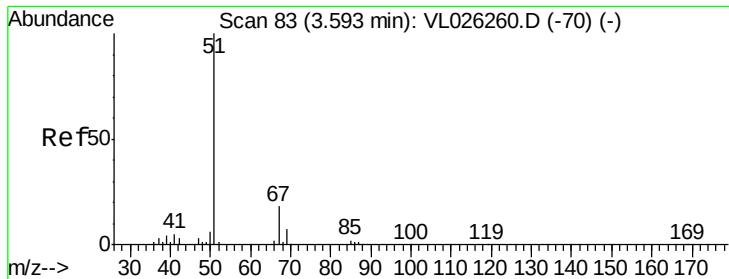
87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.45 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

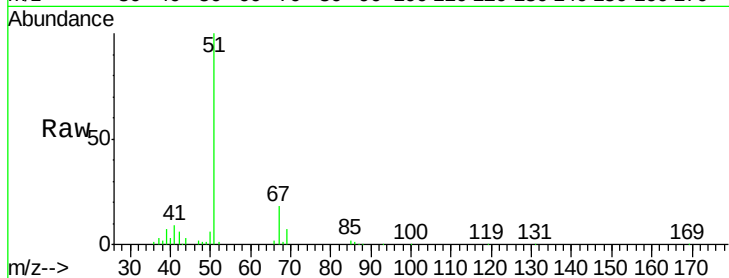
ClientSampleId :

Tot Ion: 51 Resp: 667255

Ion Ratio Lower Upper

51 100

67 18.1 14.5 21.7



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.60

400000

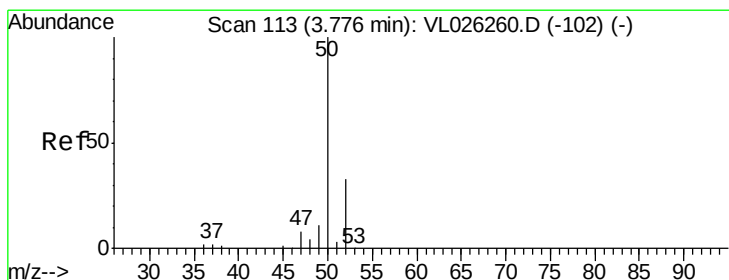
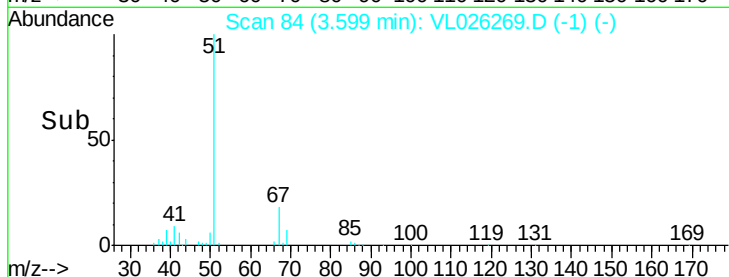
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 9.33 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026269.D

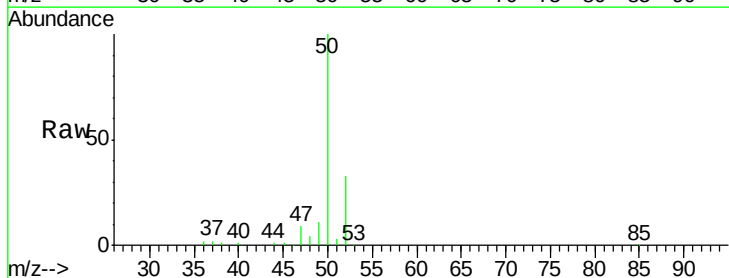
Acq: 29 Oct 2015 16:54

Tgt Ion: 50 Resp: 420463

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.78

200000

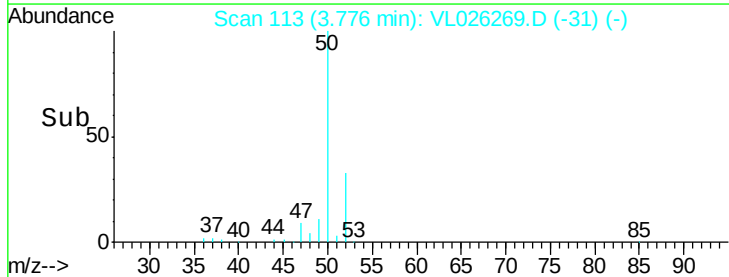
150000

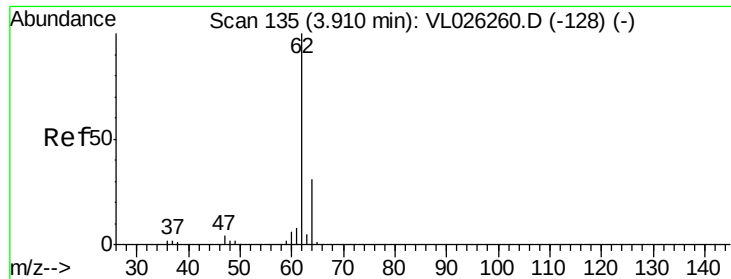
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 8.64 ppbv

RT: 3.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

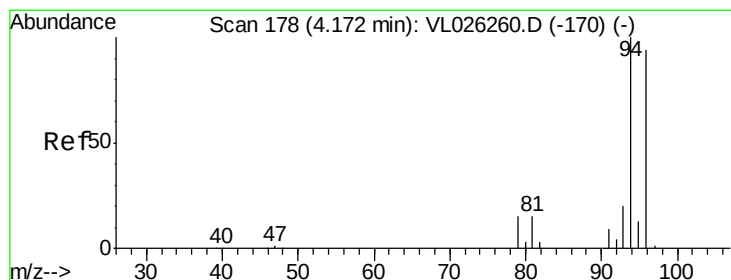
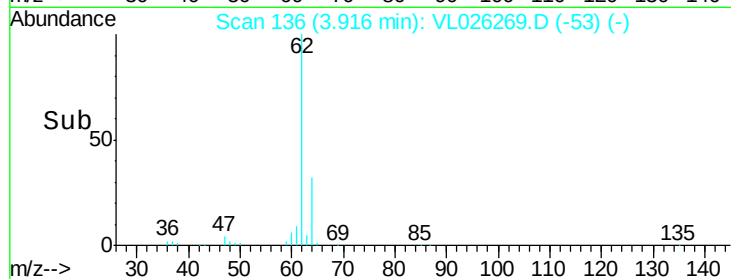
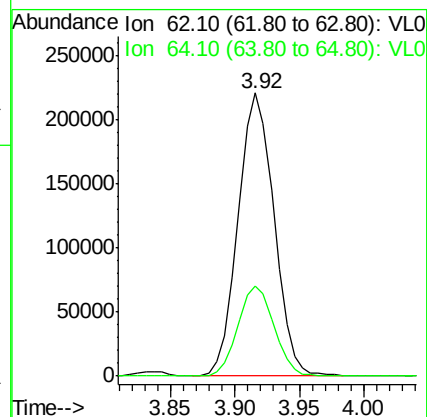
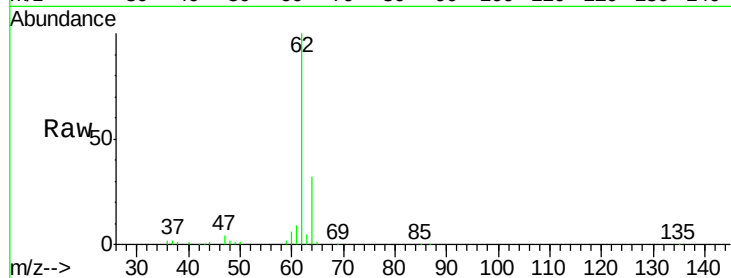
ClientSampleId :

Tot Ion: 62 Resp: 428855

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3



#6

Bromomethane

Concen: 9.38 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026269.D

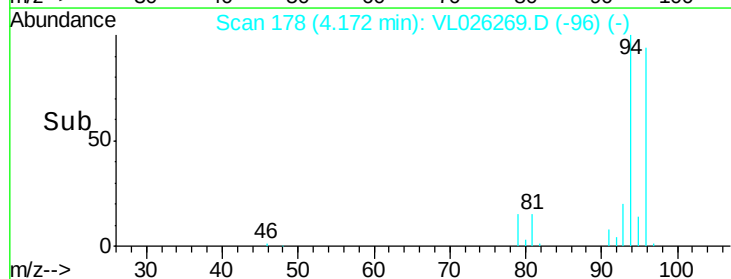
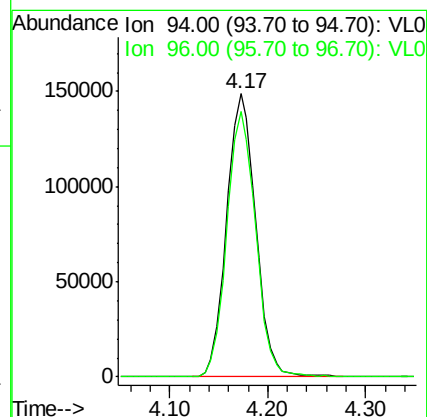
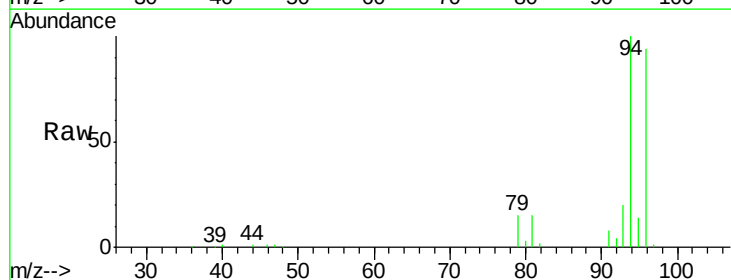
Acq: 29 Oct 2015 16:54

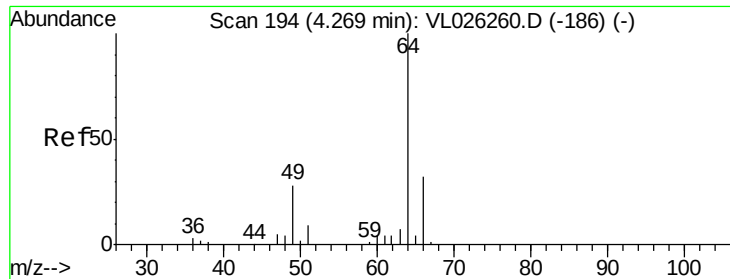
Tgt Ion: 94 Resp: 307286

Ion Ratio Lower Upper

94 100

96 93.7 75.5 113.3





#7

Chloroethane

Concen: 9.41 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

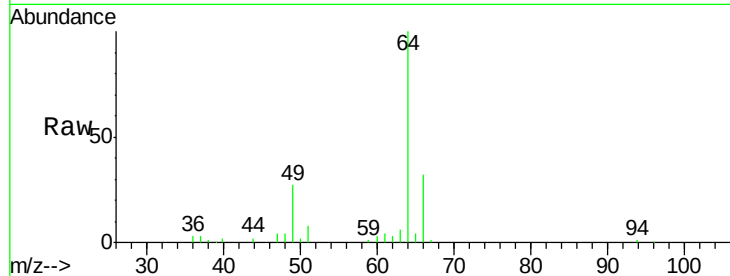
ClientSampleId :

Tot Ion: 64 Resp: 185075

Ion Ratio Lower Upper

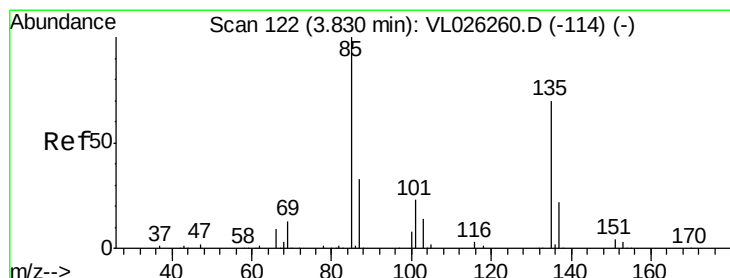
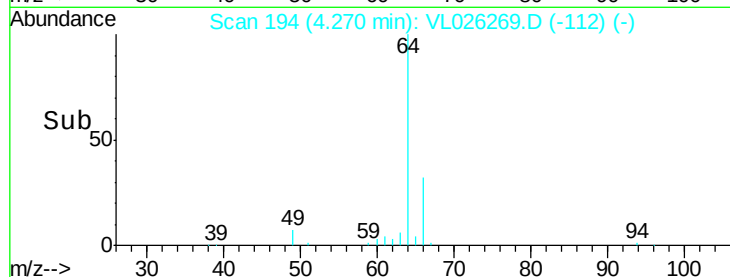
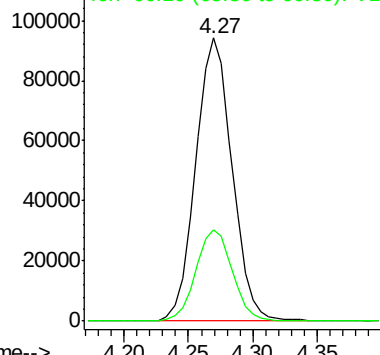
64 100

66 32.5 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.76 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026269.D

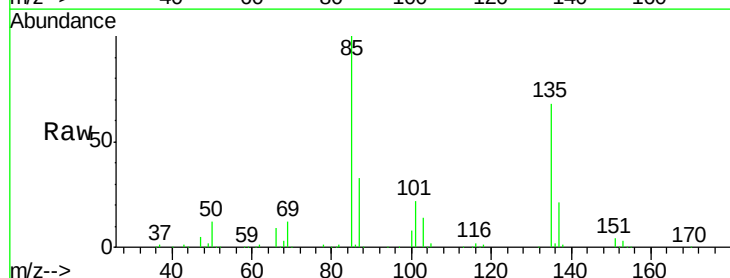
Acq: 29 Oct 2015 16:54

Tgt Ion: 85 Resp: 997078

Ion Ratio Lower Upper

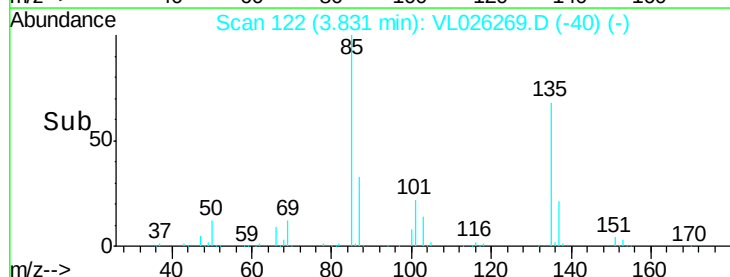
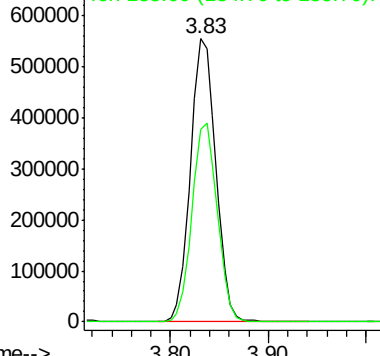
85 100

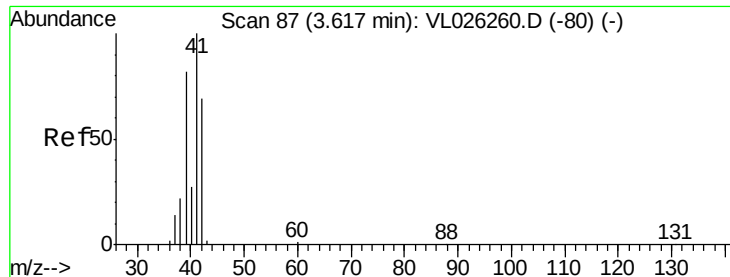
135 70.5 56.6 84.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.47 ppbv

RT: 3.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

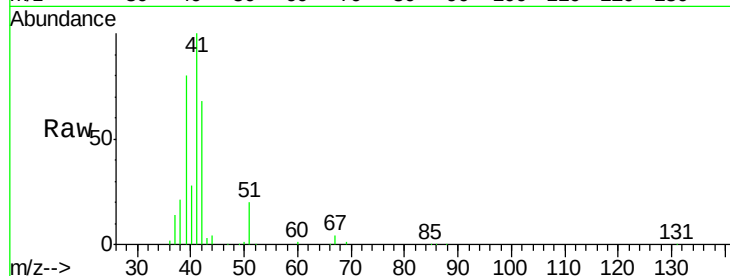
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 359831

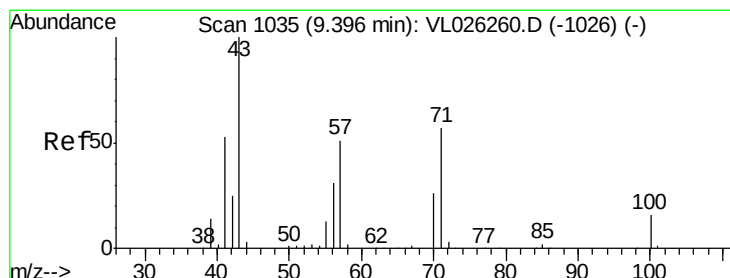
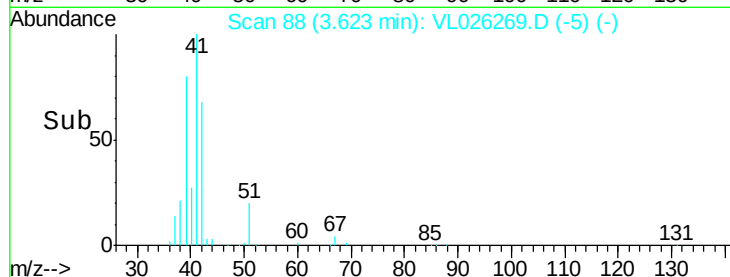
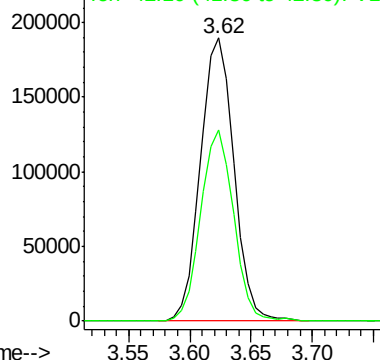
Ion Ratio Lower Upper

41 100

42 66.6 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.17 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VL026269.D

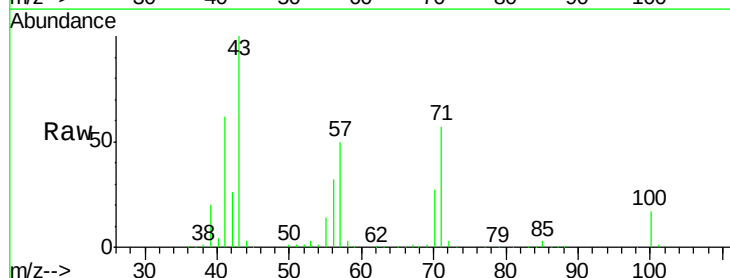
Acq: 29 Oct 2015 16:54

Tgt Ion: 43 Resp: 1174135

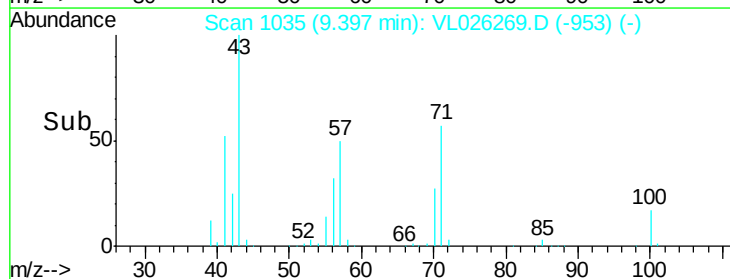
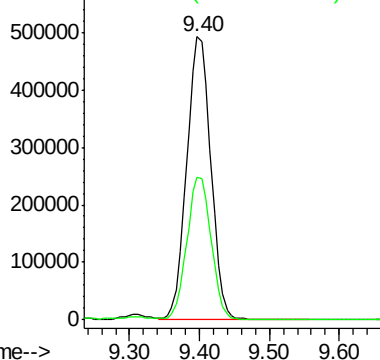
Ion Ratio Lower Upper

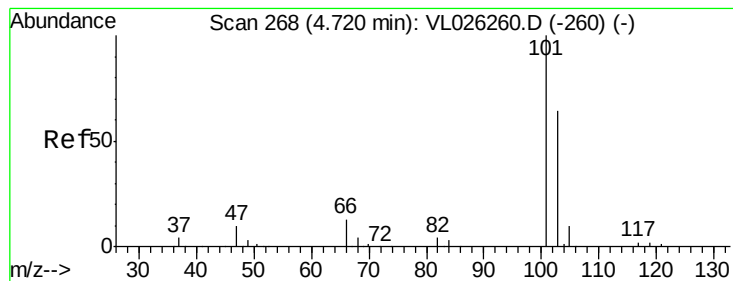
43 100

57 52.3 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.88 ppbv

RT: 4.73 min Scan# 269

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

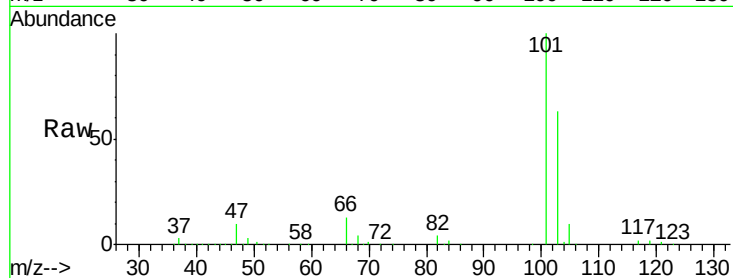
ClientSampleId :

Tot Ion:101 Resp: 1127587

Ion Ratio Lower Upper

101 100

103 63.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

600000

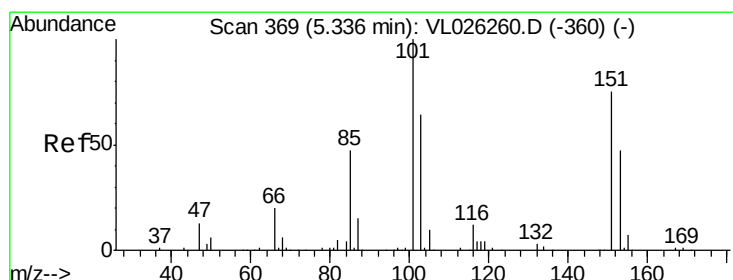
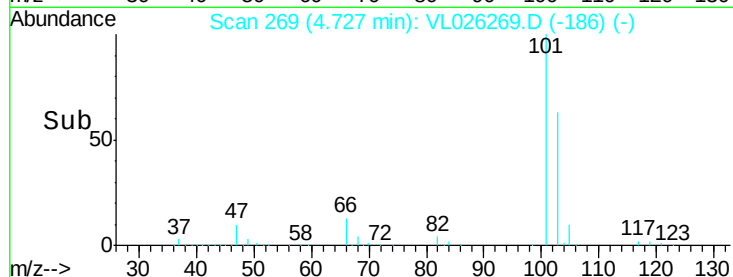
400000

200000

0

4.65 4.70 4.75 4.80

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.91 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL026269.D

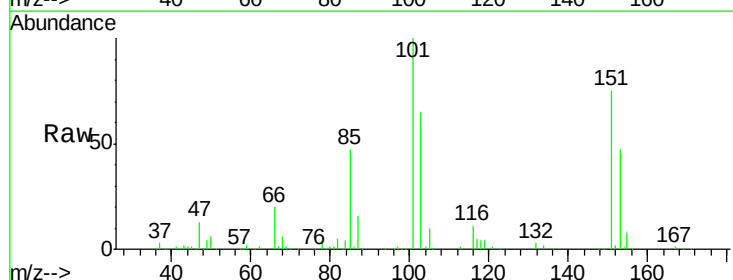
Acq: 29 Oct 2015 16:54

Tgt Ion:101 Resp: 755165

Ion Ratio Lower Upper

101 100

151 75.1 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

400000

300000

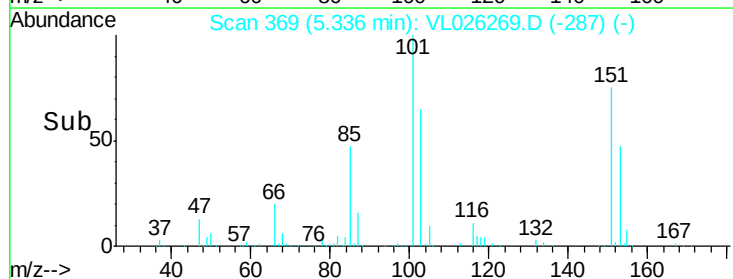
200000

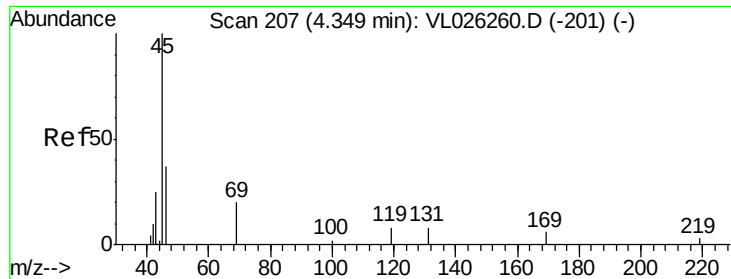
100000

0

5.30 5.40

Time-->

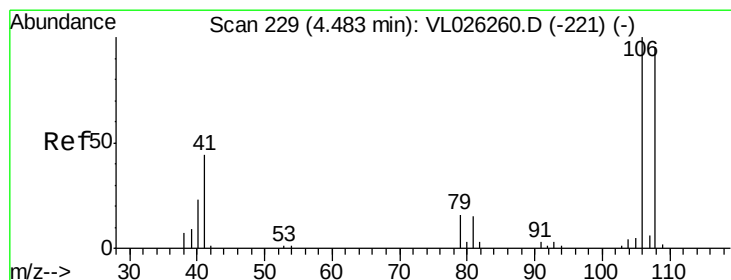
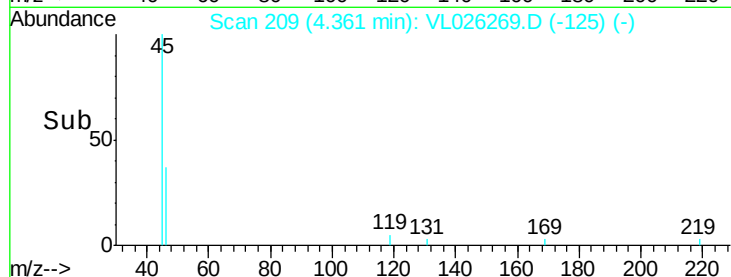
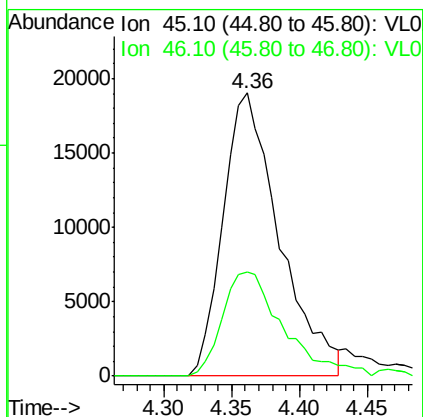
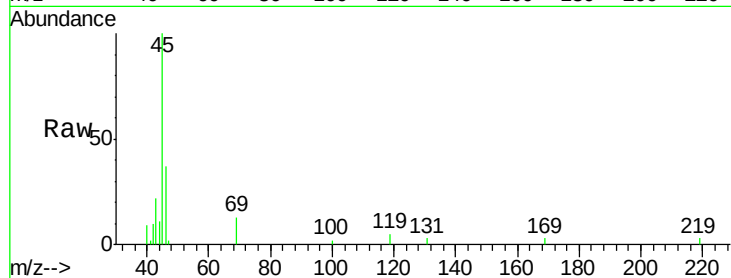




#13
Ethanol
Concen: 9.69 ppbv
RT: 4.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

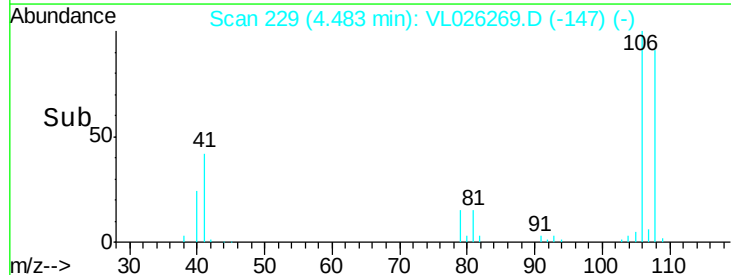
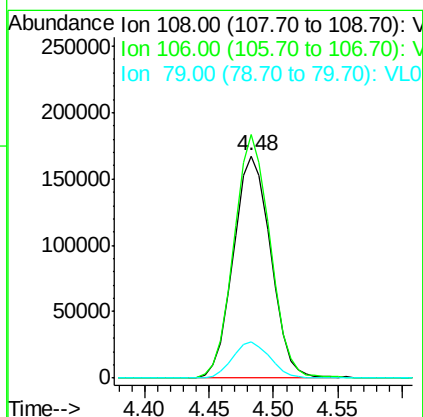
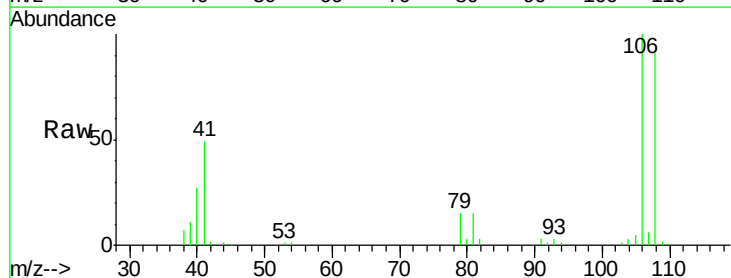
Instrument :
MSVOA_L
ClientSampleId :

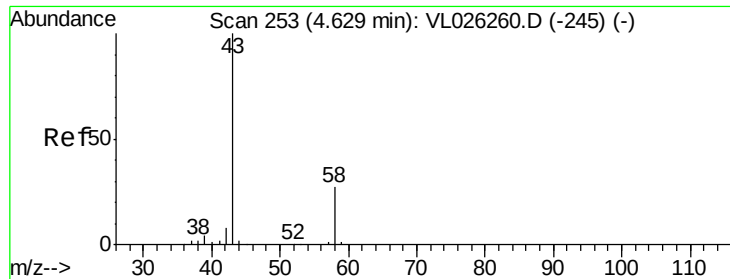
Tot Ion: 45 Resp: 55028
Ion Ratio Lower Upper
45 100
46 40.7 17.0 68.0



#14
Bromoethene
Concen: 9.47 ppbv
RT: 4.48 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 108 Resp: 337775
Ion Ratio Lower Upper
108 100
106 106.6 85.4 128.0
79 16.3 13.5 20.3





#15

Acetone

Concen: 8.51 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

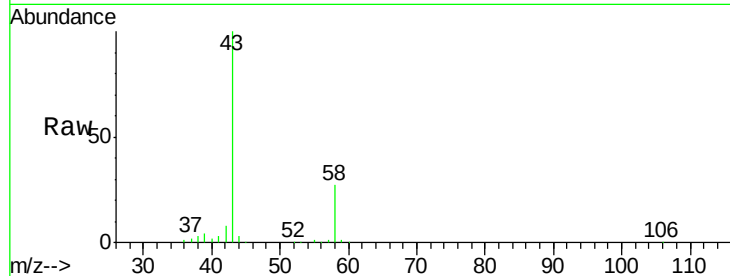
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 706395

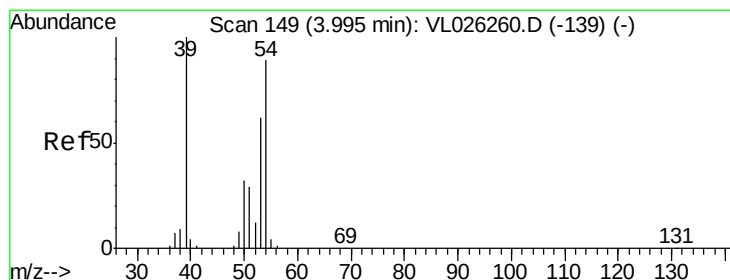
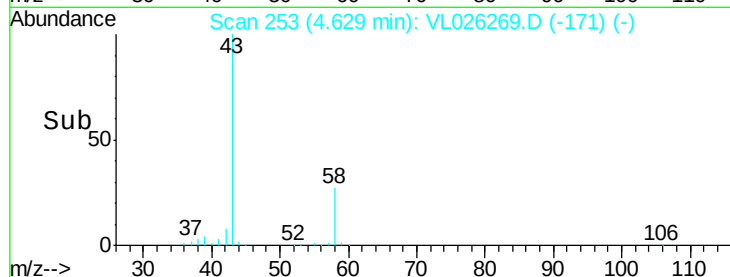
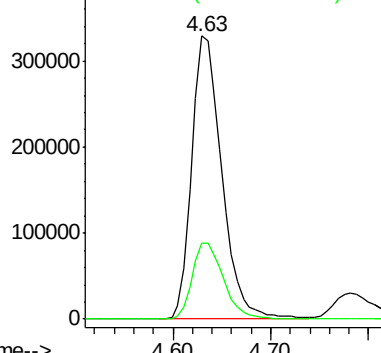
Ion Ratio Lower Upper

43 100

58 28.0 22.3 33.5



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



#16

1,3-Butadiene

Concen: 9.43 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026269.D

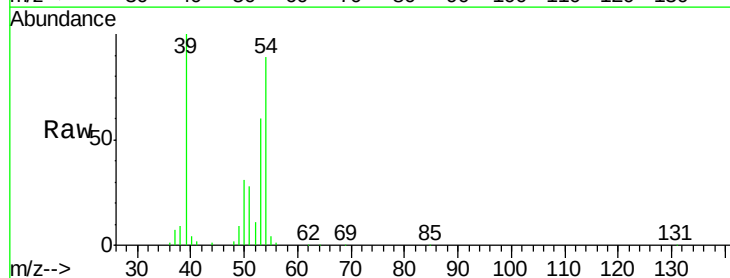
Acq: 29 Oct 2015 16:54

Tgt Ion: 39 Resp: 385706

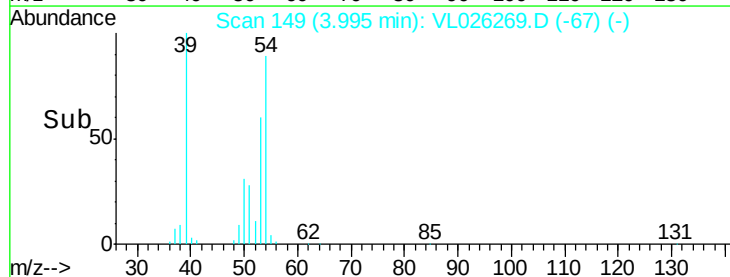
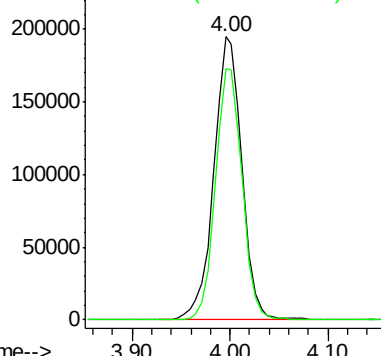
Ion Ratio Lower Upper

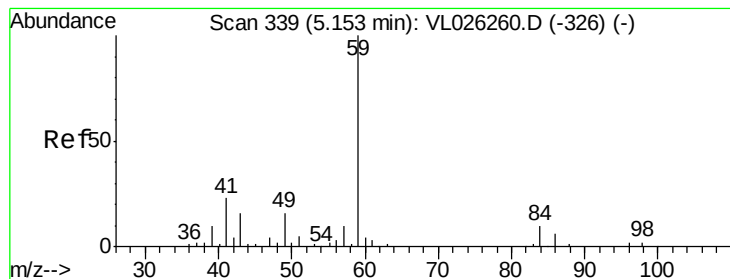
39 100

54 84.5 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0
Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.63 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

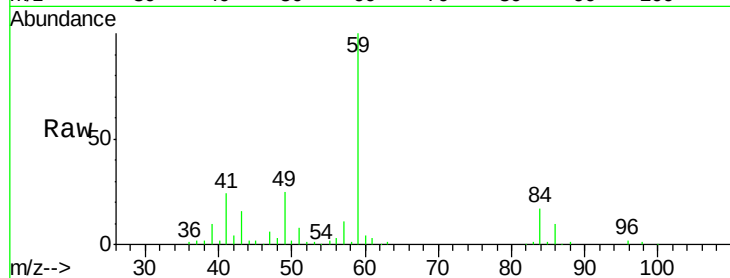
ClientSampled :

Tot Ion: 59 Resp: 633152

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.16

200000

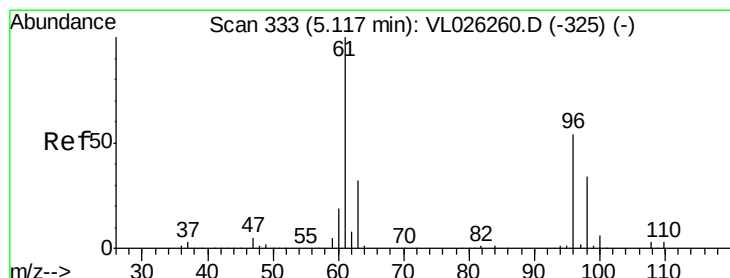
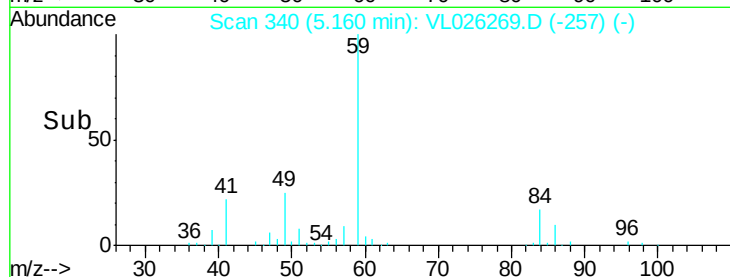
150000

100000

50000

0

Time--> 5.00 5.10 5.20 5.30



#18

1,1-Dichloroethene

Concen: 9.44 ppbv

RT: 5.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

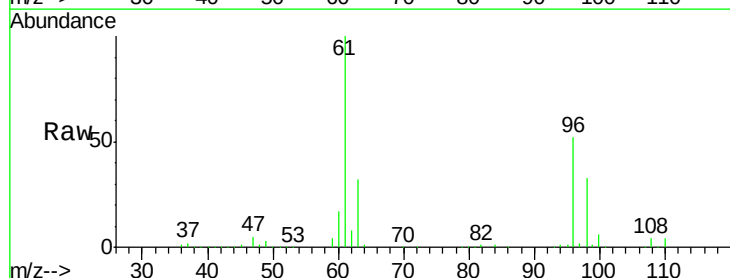
Tgt Ion: 96 Resp: 363026

Ion Ratio Lower Upper

96 100

61 190.5 147.0 220.4

98 63.5 50.1 75.1



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

5.12

400000

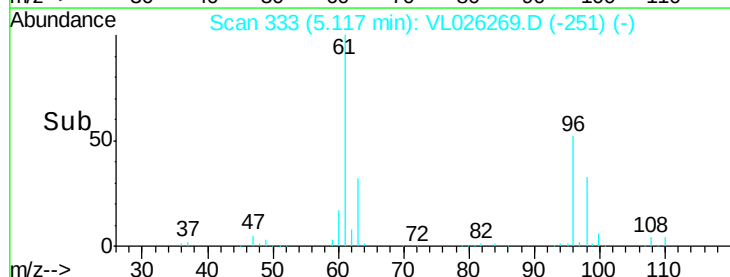
300000

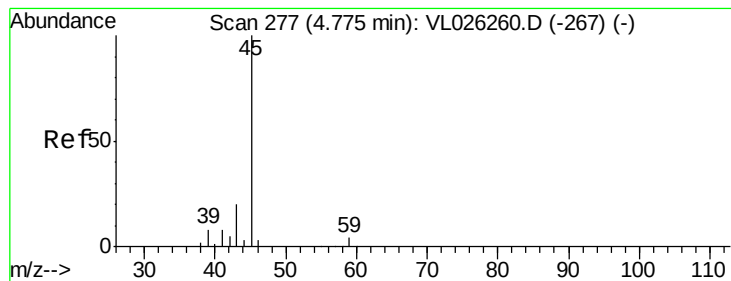
200000

100000

0

Time--> 5.00 5.10 5.20



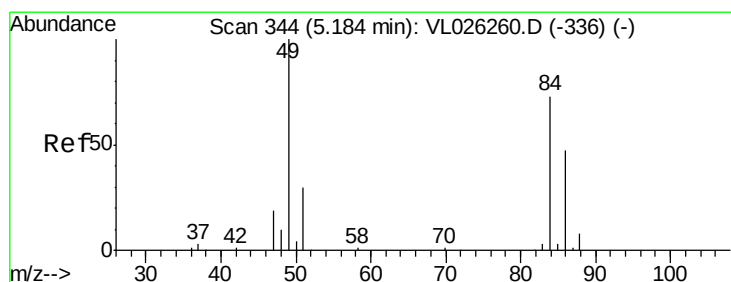
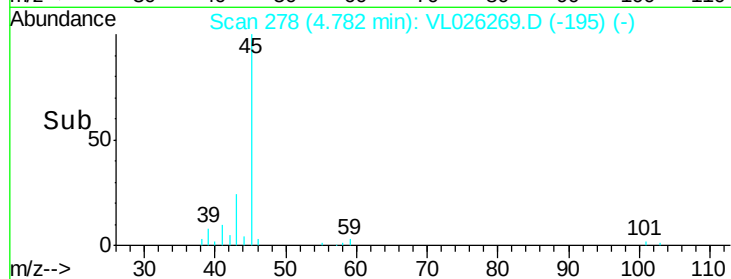
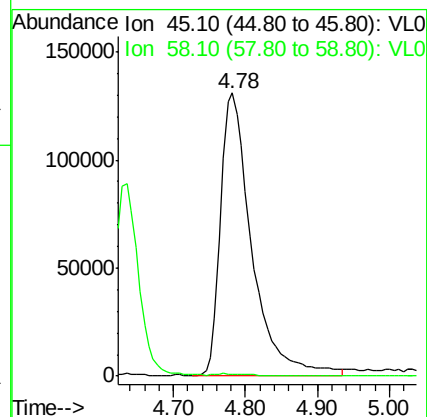
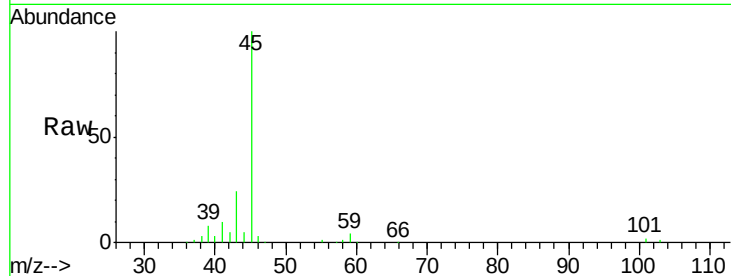


#19

Isopropyl Alcohol
 Concen: 11.01 ppbv
 RT: 4.78 min Scan# 278
 Delta R.T. 0.01 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :

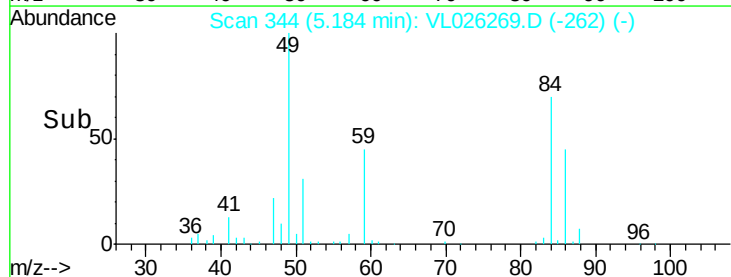
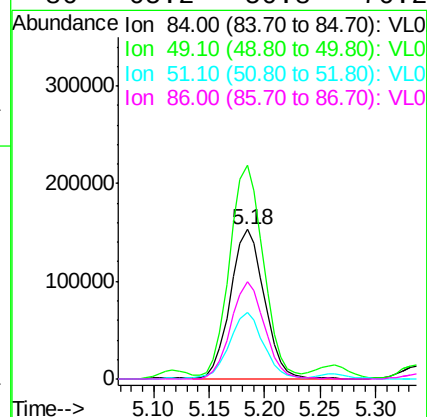
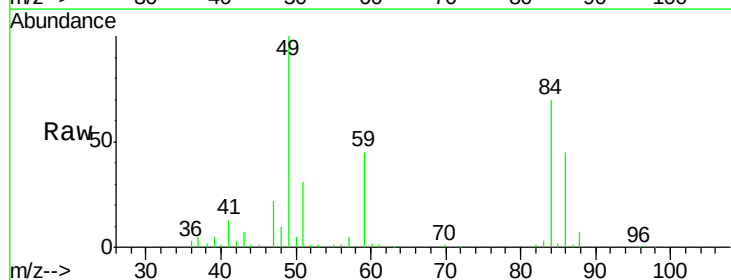
Tot Ion: 45 Resp: 391579
 Ion Ratio Lower Upper
 45 100
 58 50.6 43.8 65.8

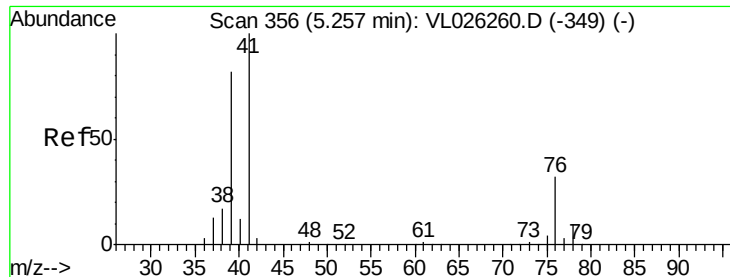


#20

Methylene Chloride
 Concen: 9.02 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion: 84 Resp: 325890
 Ion Ratio Lower Upper
 84 100
 49 140.6 109.0 163.4
 51 43.7 32.8 49.2
 86 65.2 50.8 76.2





#21

Allvl Chloride

Concen: 9.65 ppbv

RT: 5.26 min Scan# 357

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

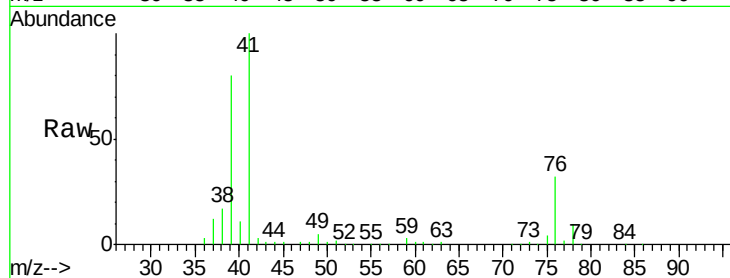
Tot Ion: 41 Resp: 564716

Ion Ratio Lower Upper

41 100

76 31.5 25.9 38.9

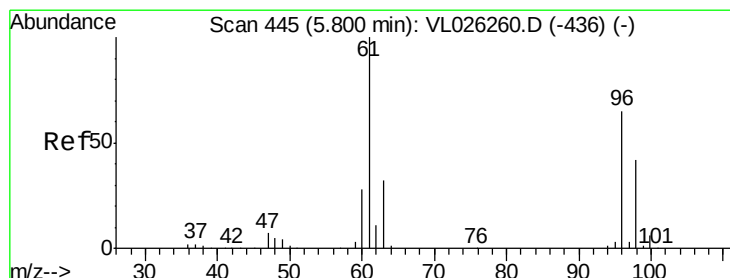
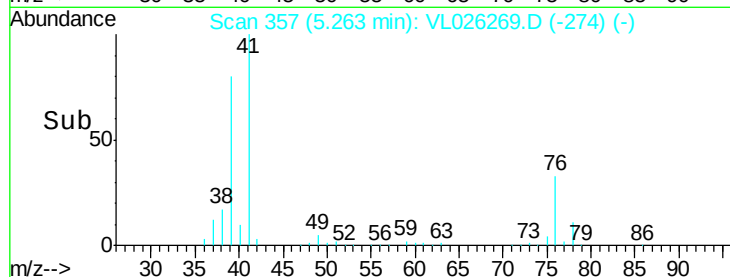
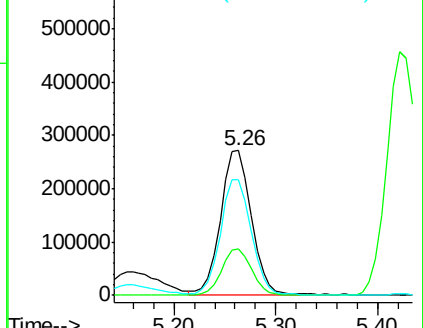
39 80.8 65.8 98.6



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: 9.32 ppbv

RT: 5.80 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

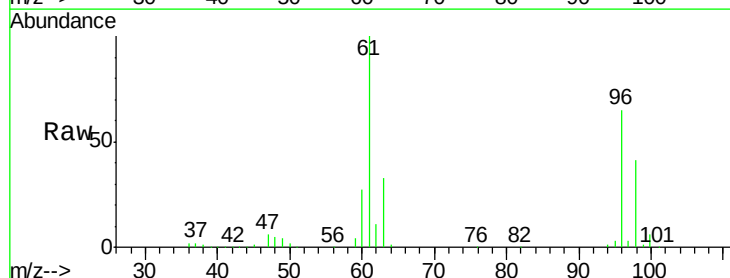
Tgt Ion: 96 Resp: 478431

Ion Ratio Lower Upper

96 100

61 153.2 123.2 184.8

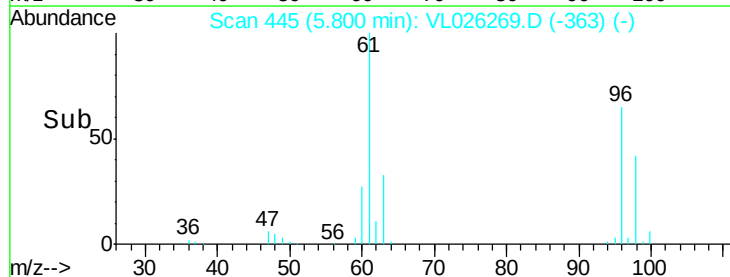
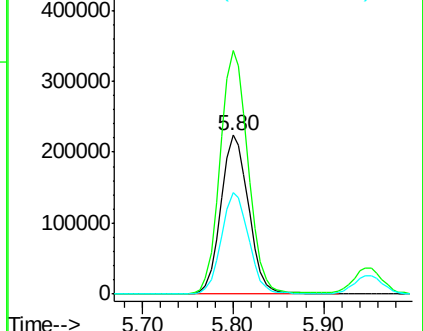
98 63.5 51.4 77.0

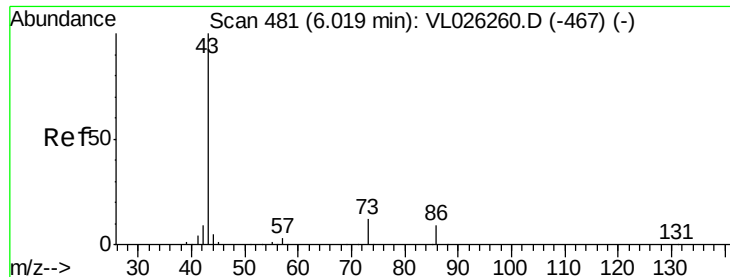


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.94 ppbv

RT: 6.02 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1589212

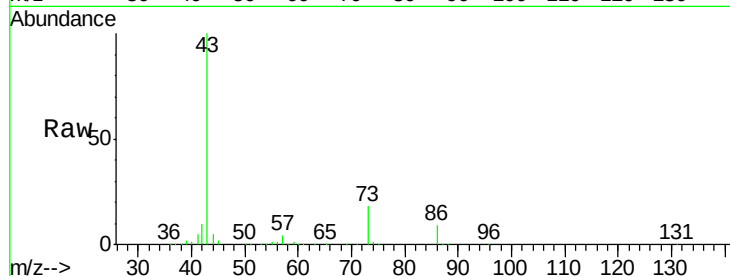
Ion Ratio Lower Upper

43 100

86 9.3 7.3 10.9

42 9.6 7.2 10.8

44 4.8 3.8 5.8

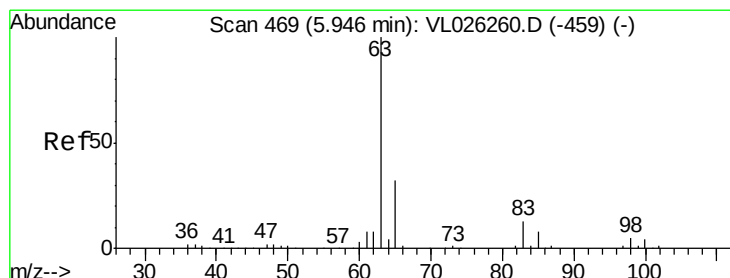
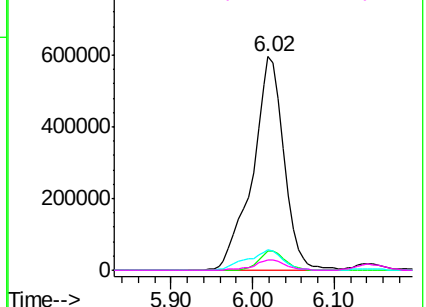
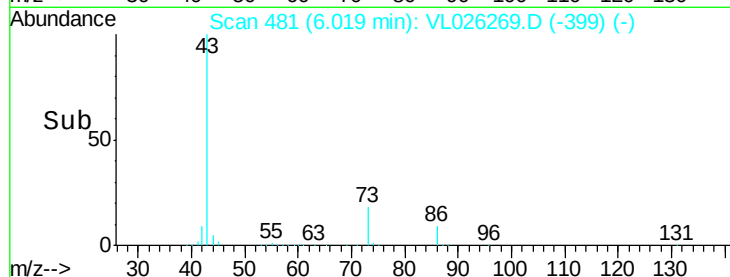


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.03 ppbv

RT: 5.95 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

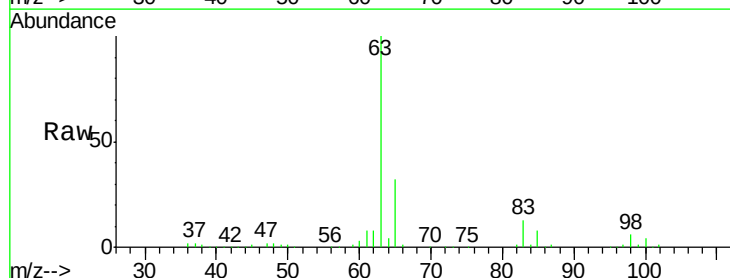
Tgt Ion: 63 Resp: 992755

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

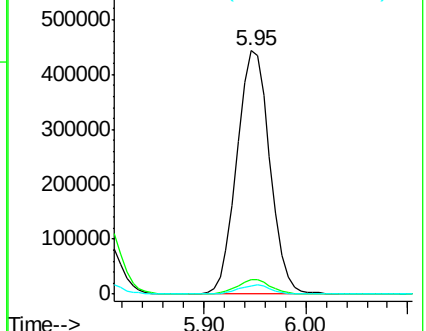
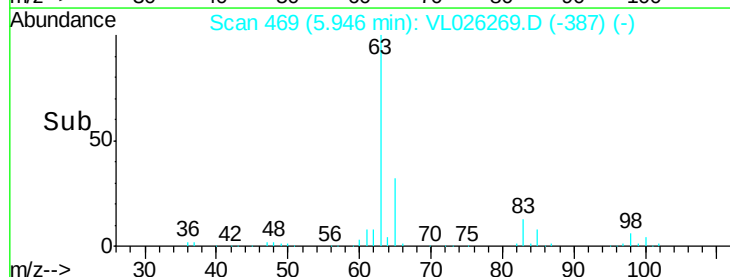
100 3.5 1.9 5.7

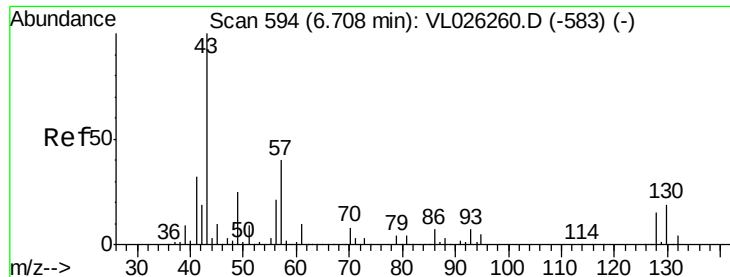


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



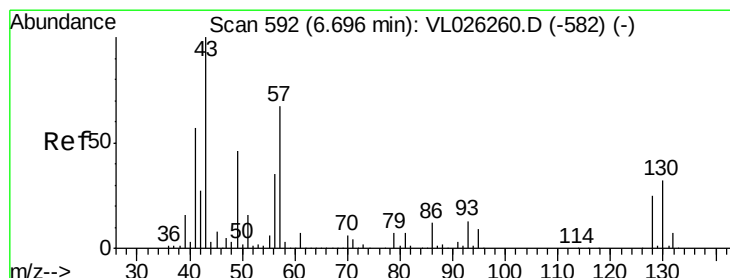
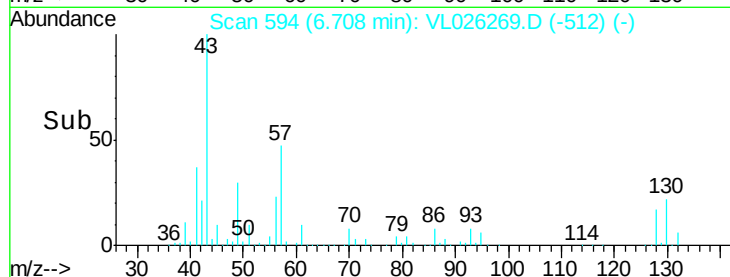
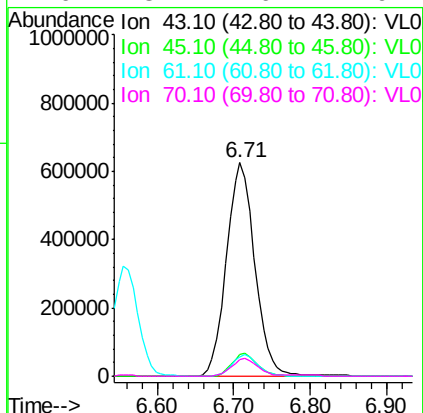
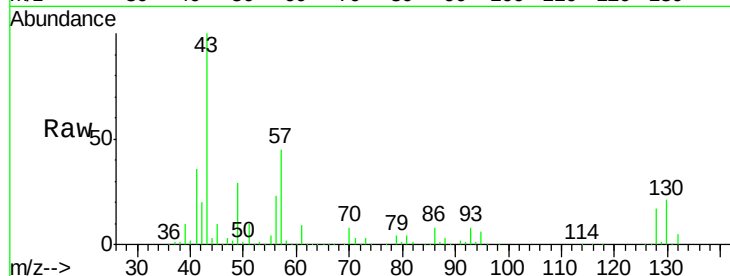


#25
Ethyl Acetate
Concen: 9.24 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1597009

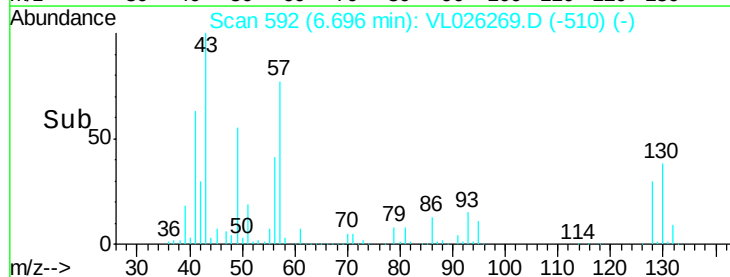
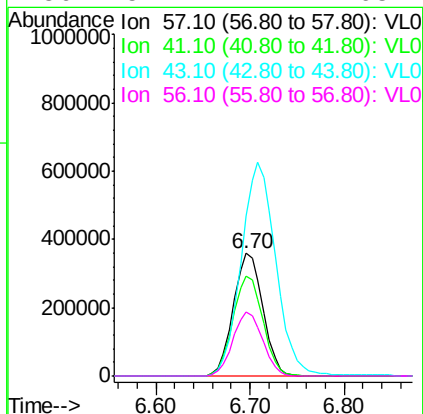
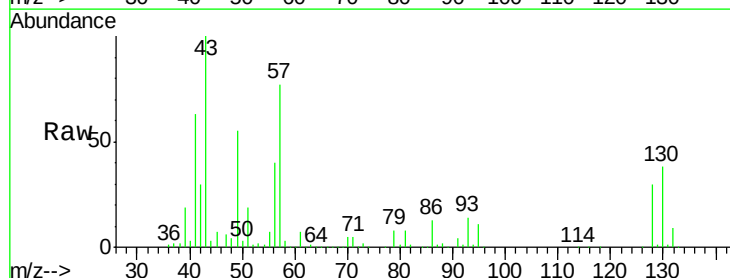
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.6	11.4
61	9.5	7.4	11.2
70	8.4	6.7	10.1

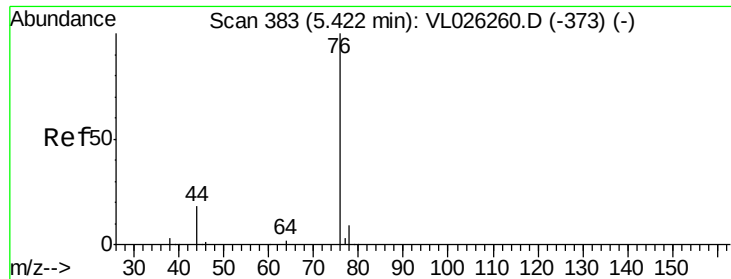


#26
Hexane
Concen: 9.25 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 57 Resp: 782989

Ion	Ratio	Lower	Upper
57	100		
41	83.4	67.4	101.2
43	205.2	163.9	245.9
56	52.2	42.2	63.2





#27

Carbon Disulfide

Concen: 9.92 ppbv

RT: 5.42 min Scan# 383

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

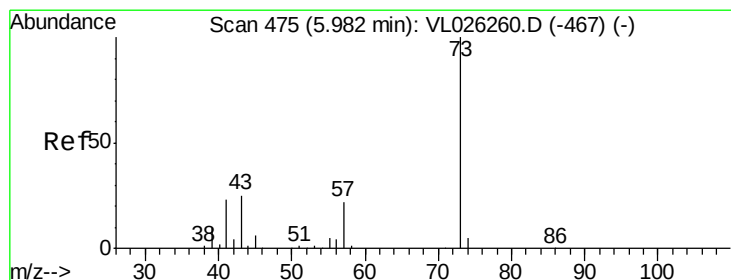
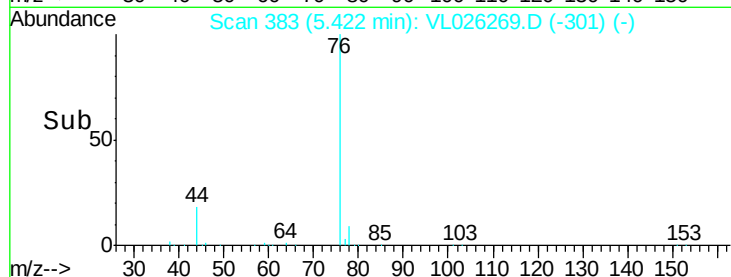
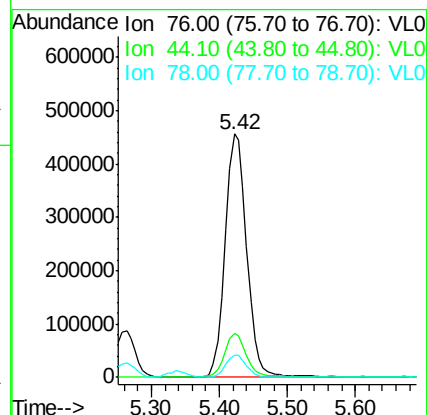
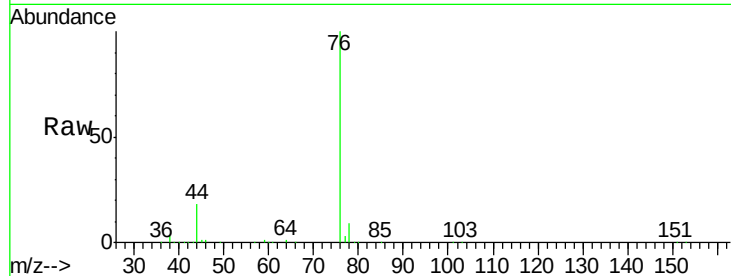
Tot Ion: 76 Resp: 1004773

Ion Ratio Lower Upper

76 100

44 17.2 14.1 21.1

78 9.2 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.32 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL026269.D

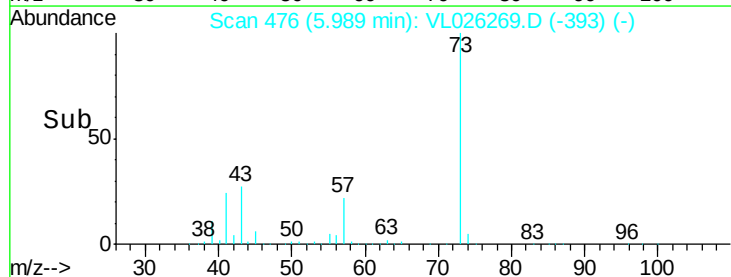
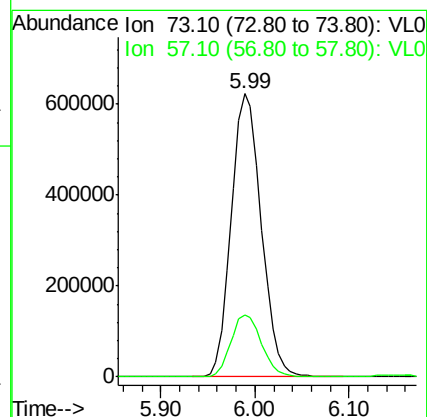
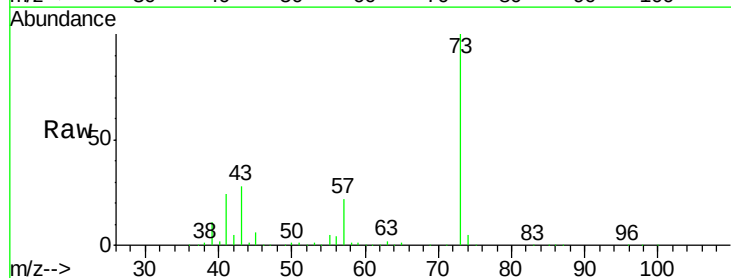
Acq: 29 Oct 2015 16:54

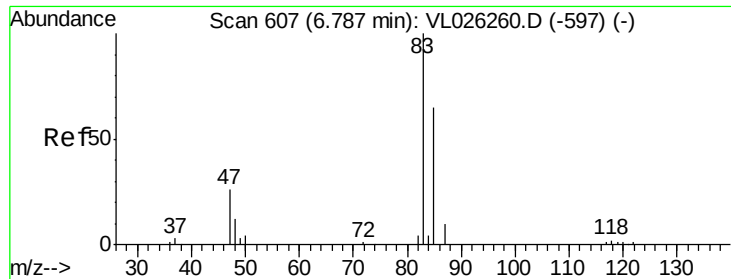
Tgt Ion: 73 Resp: 1382203

Ion Ratio Lower Upper

73 100

57 22.3 17.8 26.6

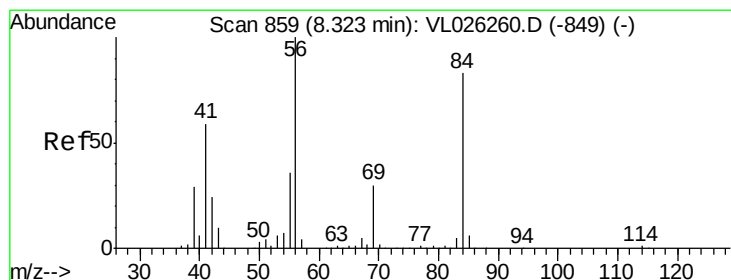
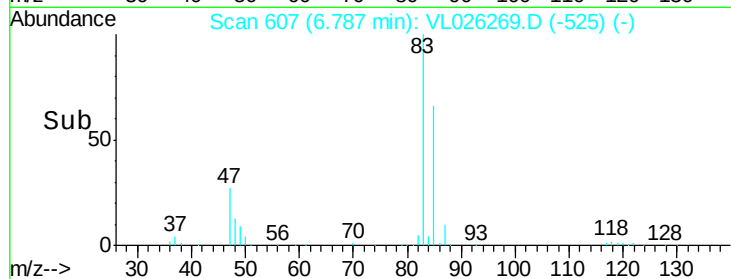
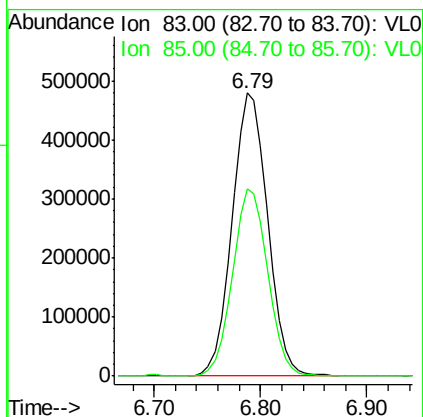
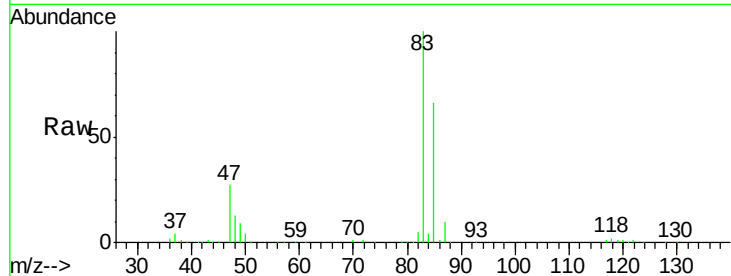




#29
Chloroform
Concen: 8.94 ppbv
RT: 6.79 min Scan# 607
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

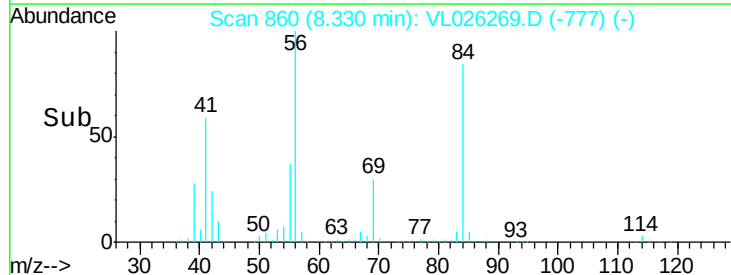
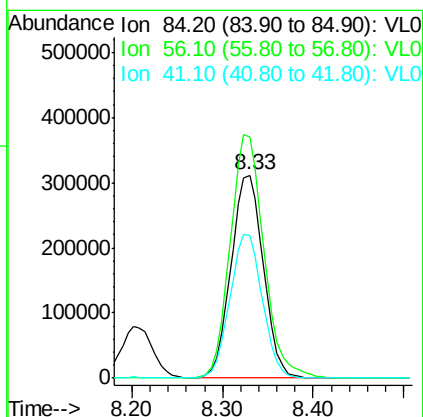
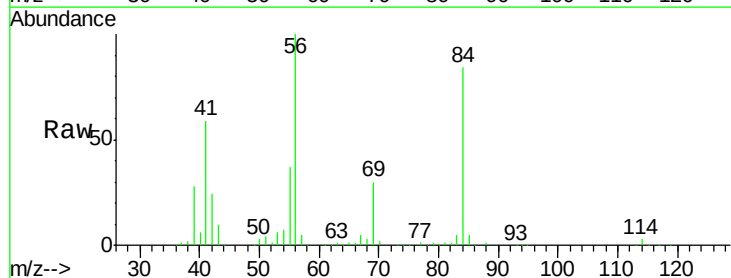
Instrument :
MSVOA_L
ClientSampleId :

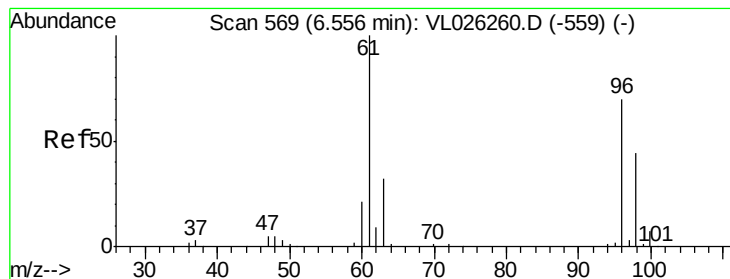
Tot Ion: 83 Resp: 1121096
Ion Ratio Lower Upper
83 100
85 66.1 52.0 78.0



#30
Cyclohexane
Concen: 9.23 ppbv
RT: 8.33 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 84 Resp: 767874
Ion Ratio Lower Upper
84 100
56 125.5 99.6 149.4
41 71.7 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 9.44 ppbv

RT: 6.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

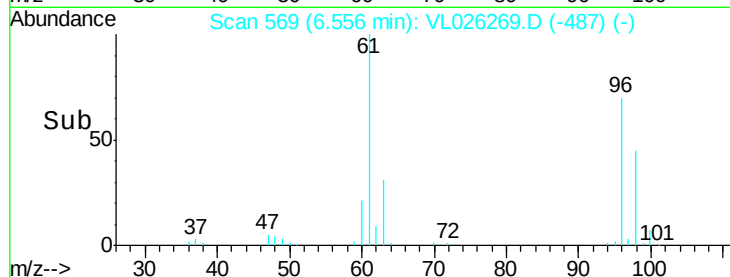
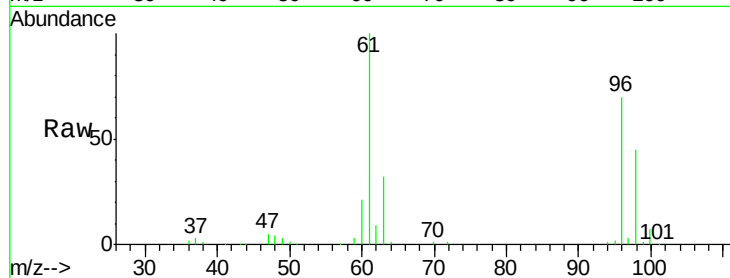
Tot Ion: 61 Resp: 735443

Ion Ratio Lower Upper

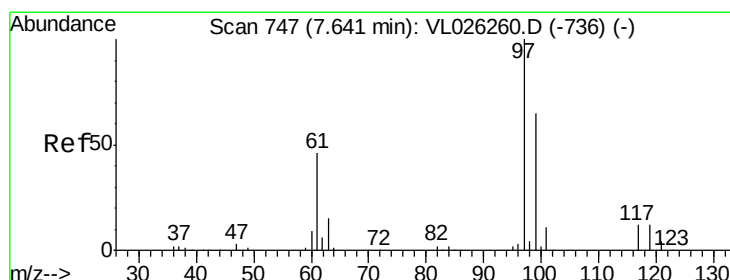
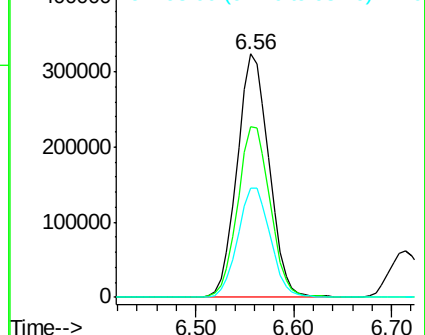
61 100

96 70.0 56.2 84.4

98 44.8 35.4 53.2



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: 8.25 ppbv

RT: 7.64 min Scan# 747

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

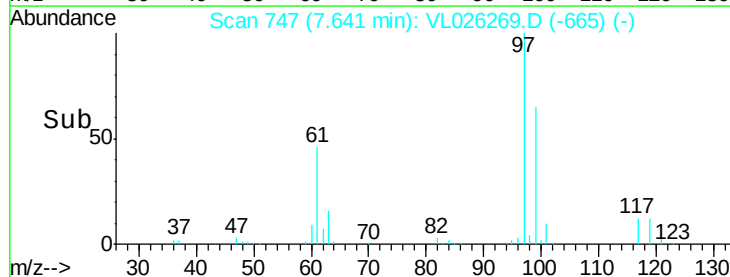
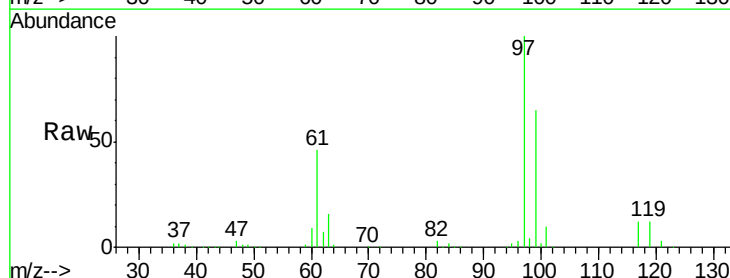
Tgt Ion: 97 Resp: 1143887

Ion Ratio Lower Upper

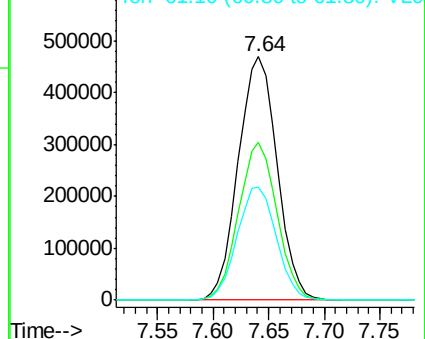
97 100

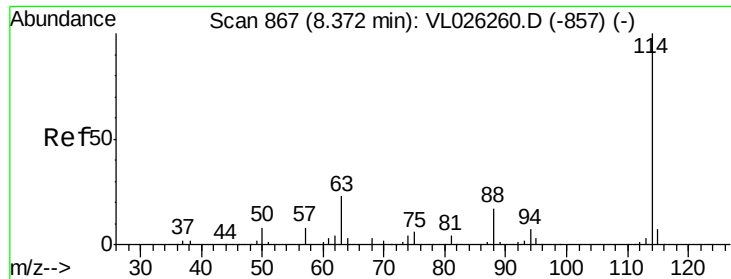
99 63.9 51.0 76.6

61 46.9 37.1 55.7



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

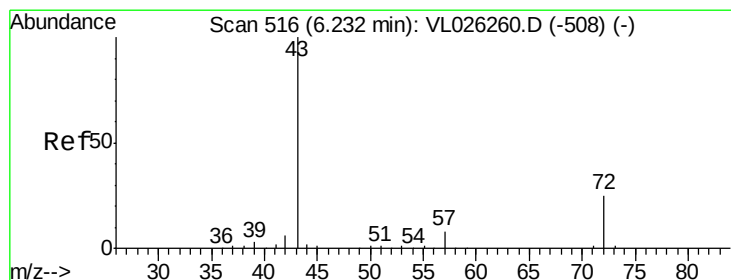
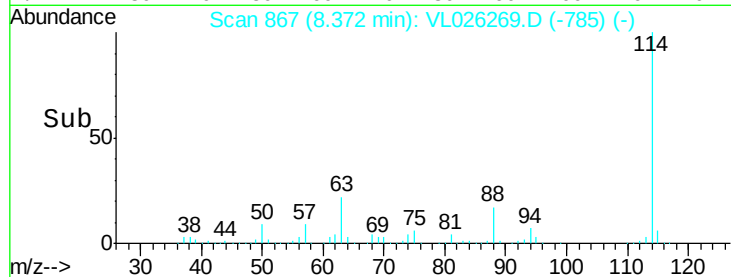
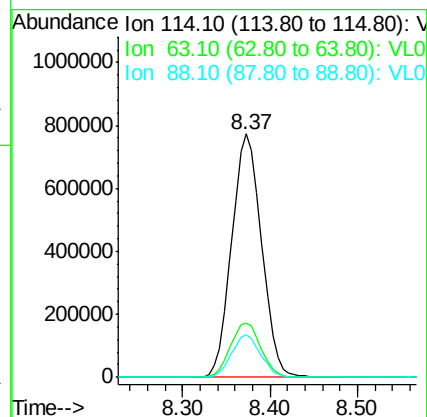
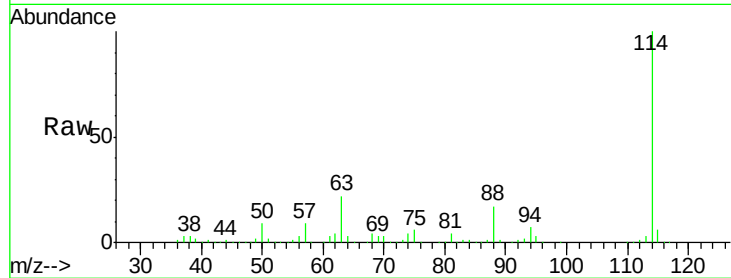




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

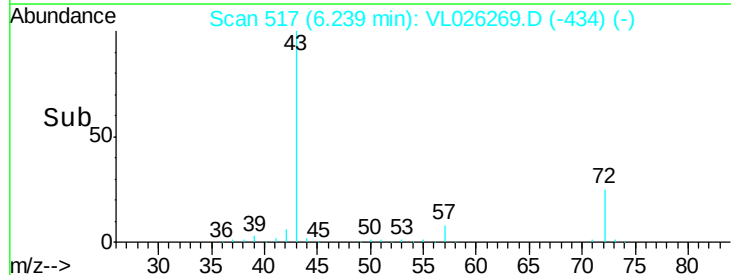
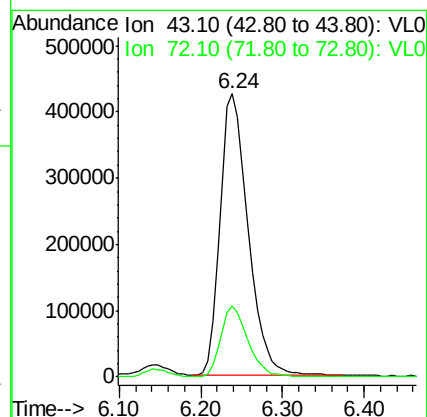
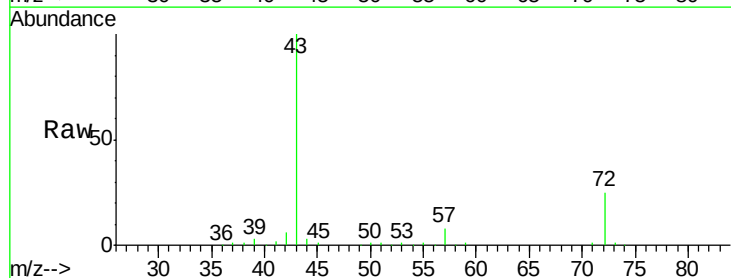
Instrument :
 MSVOA_L
 ClientSampleId :

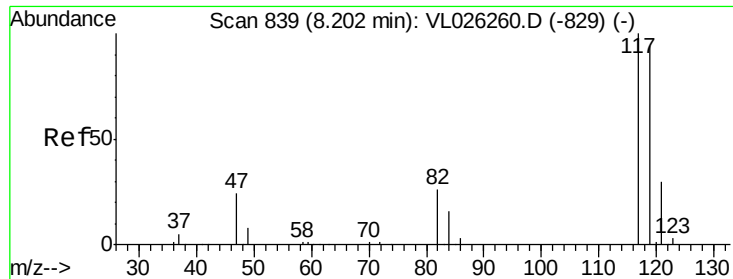
Tot Ion:114 Resp: 1838922
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.6 28.0
 88 17.0 13.4 20.2



#34
 2-Butanone
 Concen: 9.20 ppbv
 RT: 6.24 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion: 43 Resp: 1021613
 Ion Ratio Lower Upper
 43 100
 72 24.7 19.9 29.9





#35

Carbon Tetrachloride

Concen: 8.45 ppbv

RT: 8.21 min Scan# 840

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampled :

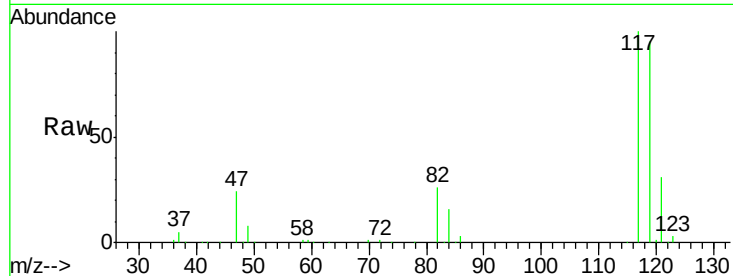
Tot Ion:117 Resp: 1171759

Ion Ratio Lower Upper

117 100

119 94.7 75.2 112.8

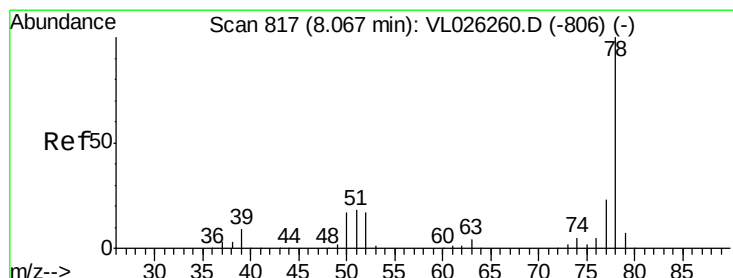
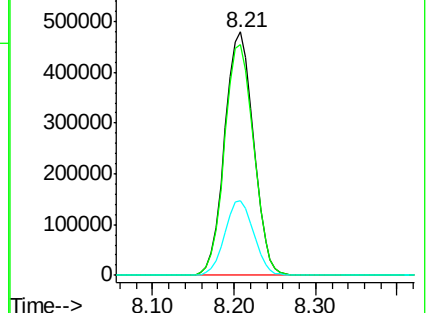
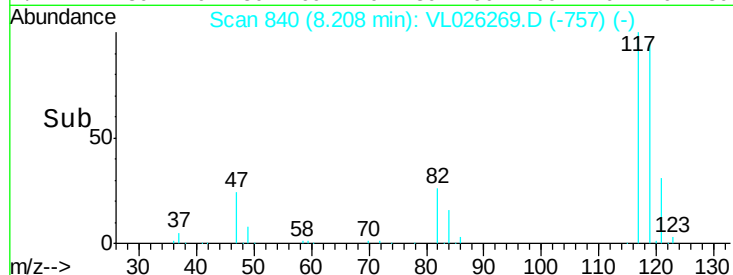
121 30.6 24.2 36.2



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: 9.02 ppbv

RT: 8.07 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

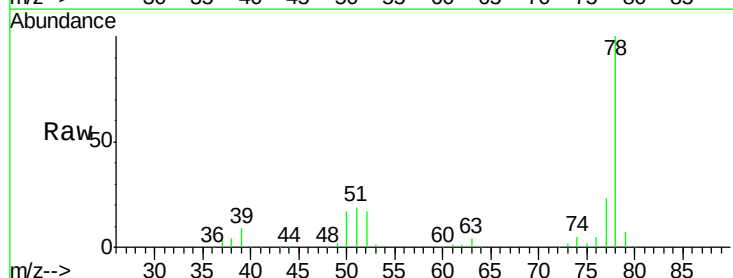
Tgt Ion: 78 Resp: 1756459

Ion Ratio Lower Upper

78 100

77 23.1 18.0 27.0

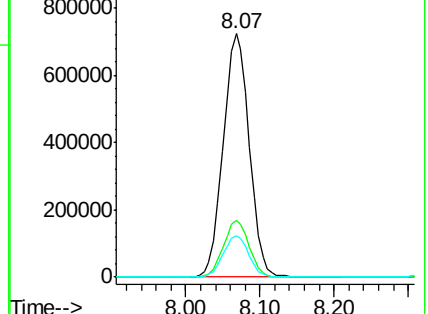
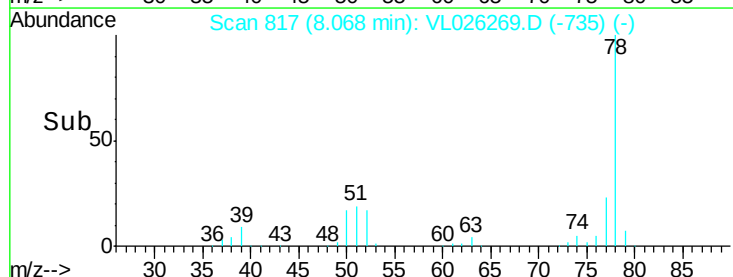
50 17.0 13.3 19.9

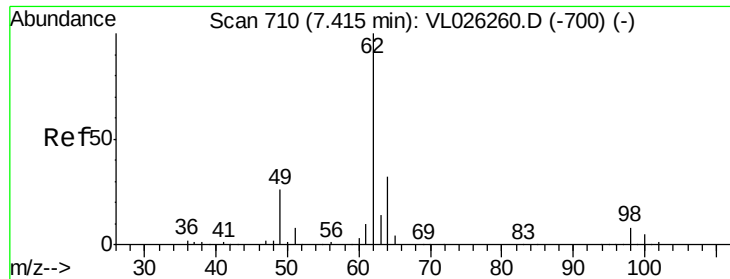


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

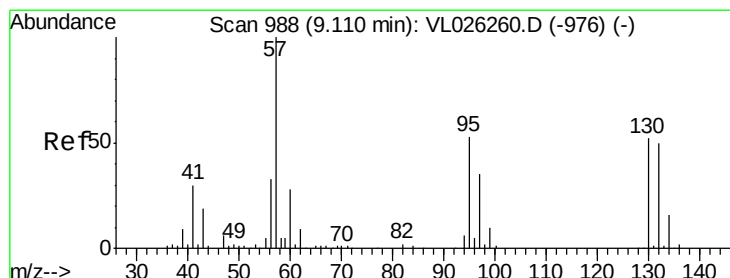
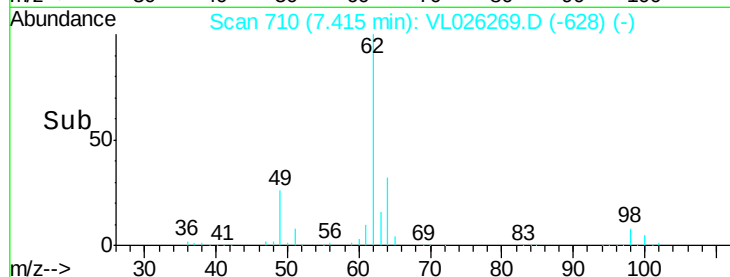
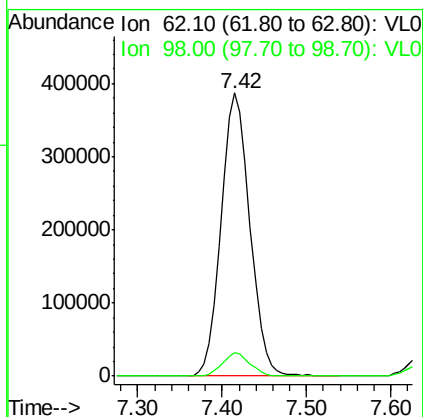
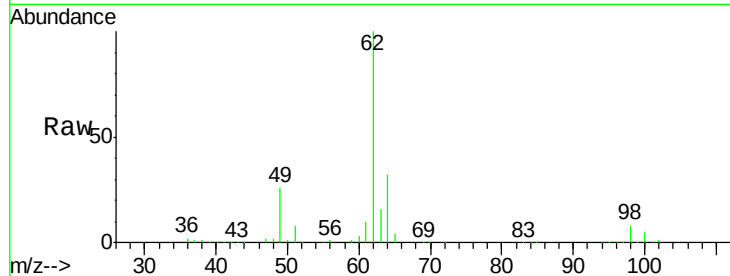




#37
 1,2-Dichloroethane
 Concen: 9.05 ppbv
 RT: 7.42 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

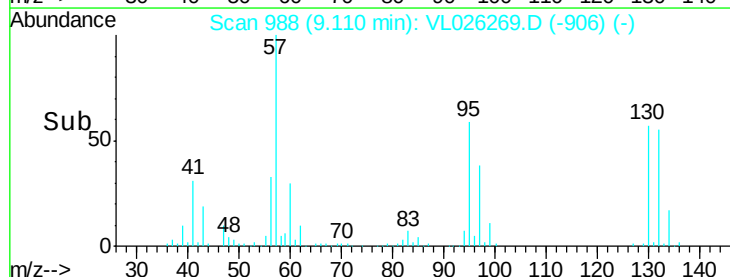
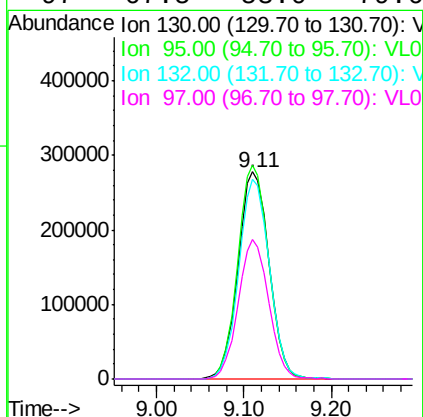
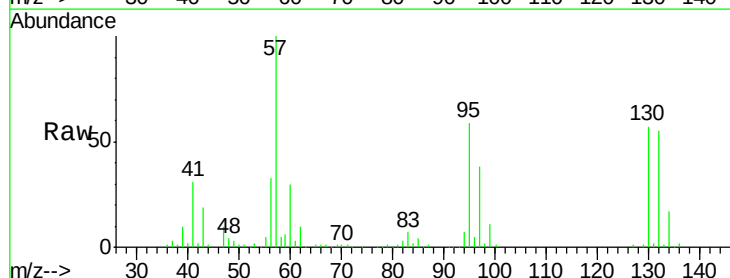
Instrument :
 MSVOA_L
 ClientSampleId :

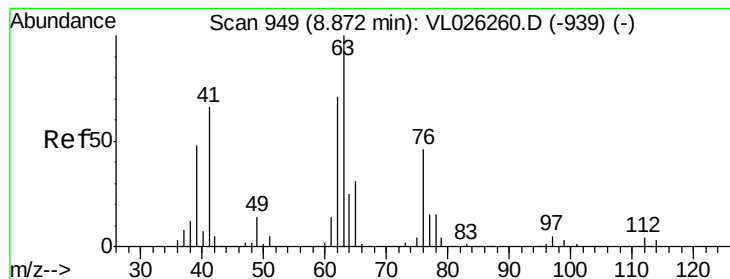
Tot Ion: 62 Resp: 908007
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.3 9.5



#38
 Trichloroethene
 Concen: 7.35 ppbv
 RT: 9.11 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion:130 Resp: 687607
 Ion Ratio Lower Upper
 130 100
 95 103.2 80.8 121.2
 132 96.8 76.2 114.2
 97 67.5 53.0 79.6





#39

1,2-Dichloropropane

Concen: 8.93 ppbv

RT: 8.87 min Scan# 949

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

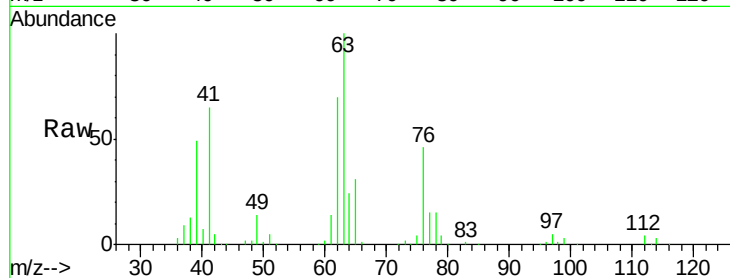
Tot Ion: 63 Resp: 632554

Ion Ratio Lower Upper

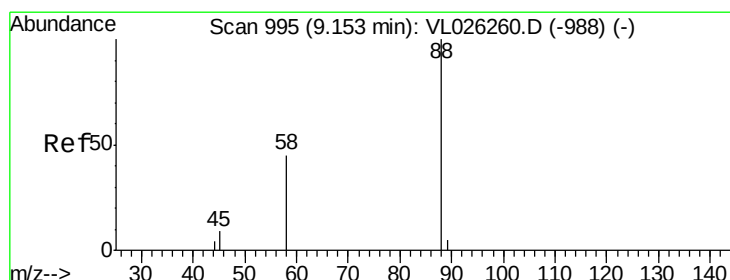
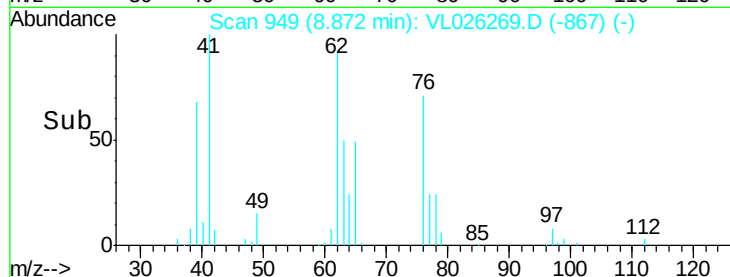
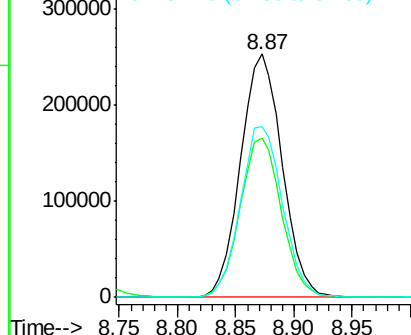
63 100

41 65.2 53.2 79.8

62 70.3 57.1 85.7



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: 12.98 ppbv

RT: 9.16 min Scan# 996

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion: 88 Resp: 157383

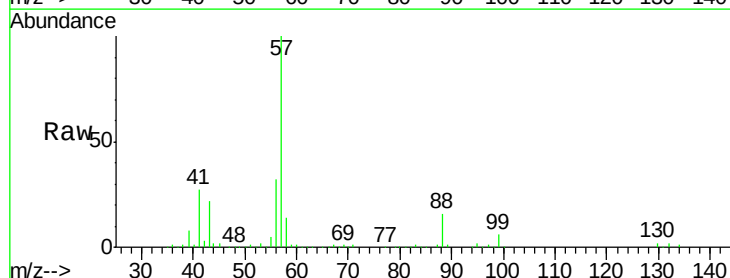
Ion Ratio Lower Upper

88 100

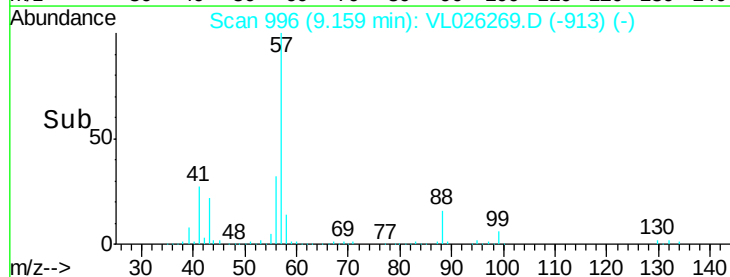
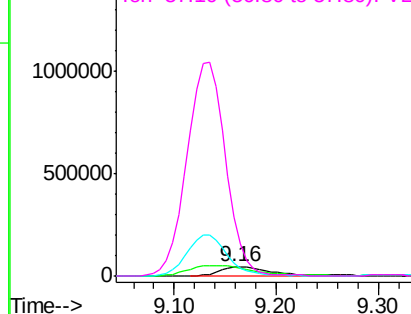
58 151.9 126.2 189.2

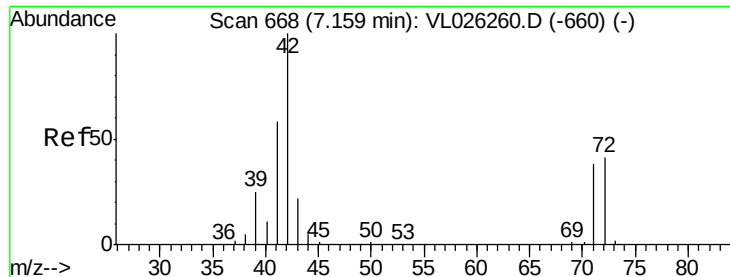
43 351.3 307.3 460.9

57 1749.2 1536.6 2304.8



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: 9.68 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :

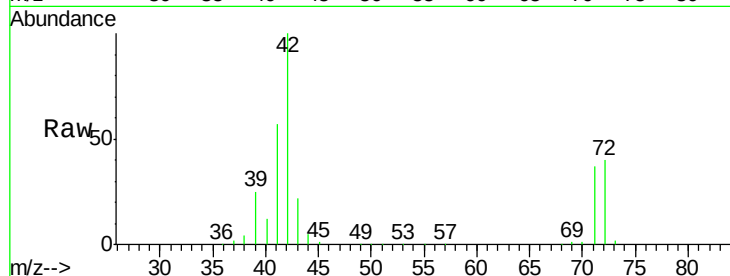
Tot Ion: 42 Resp: 621284

Ion Ratio Lower Upper

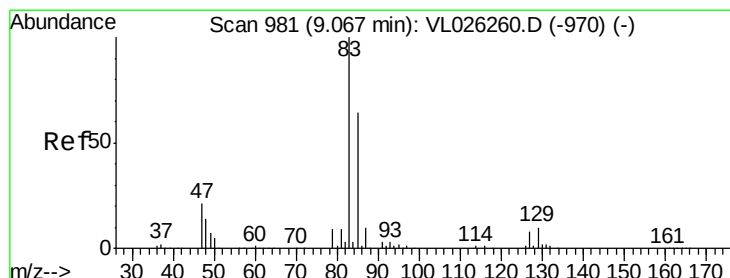
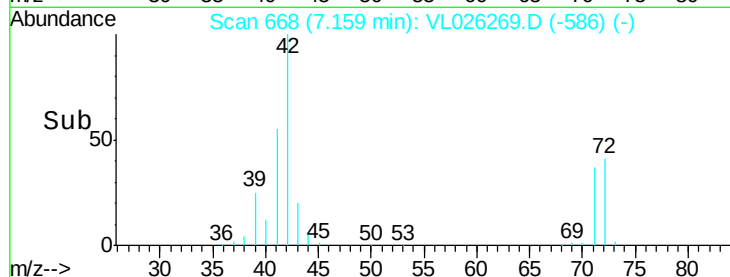
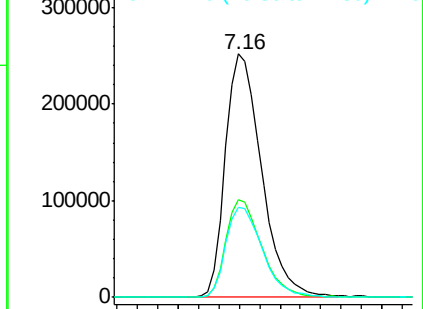
42 100

72 39.9 32.2 48.4

71 37.6 30.4 45.6



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: 9.22 ppbv

RT: 9.07 min Scan# 982

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

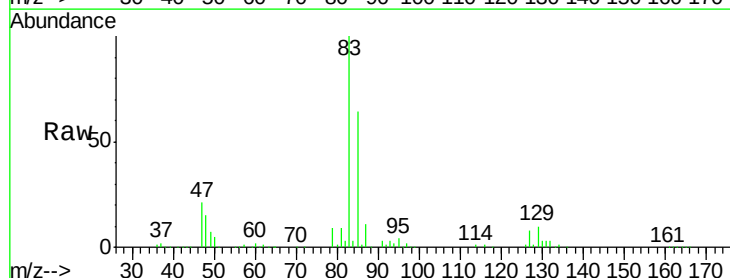
Tgt Ion: 83 Resp: 1239300

Ion Ratio Lower Upper

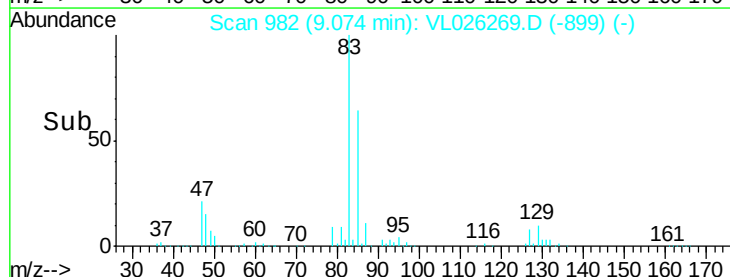
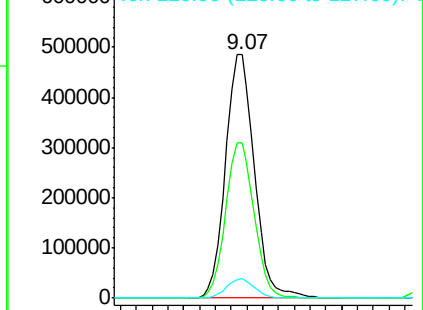
83 100

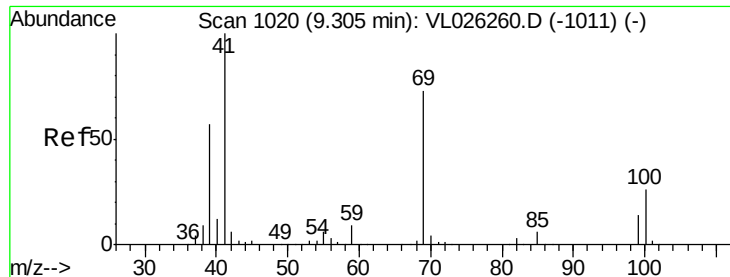
85 63.8 51.2 76.8

127 7.8 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

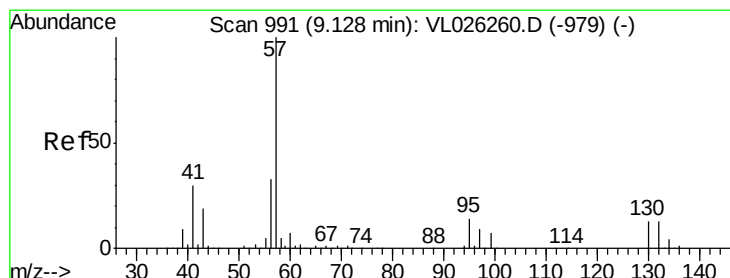
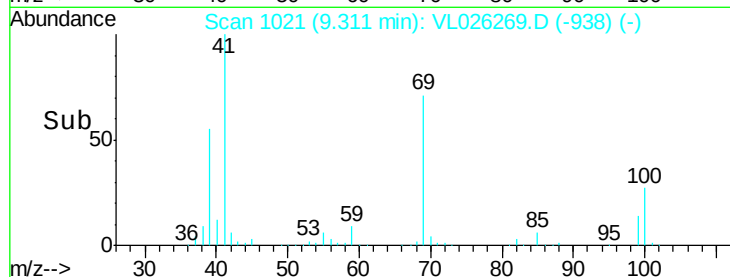
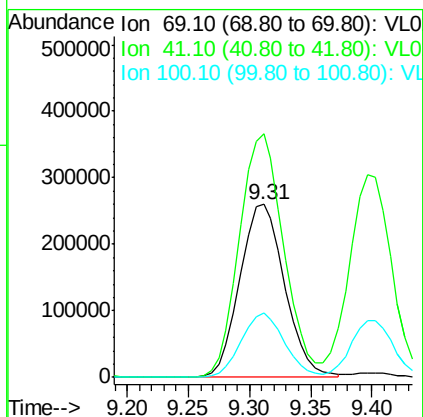
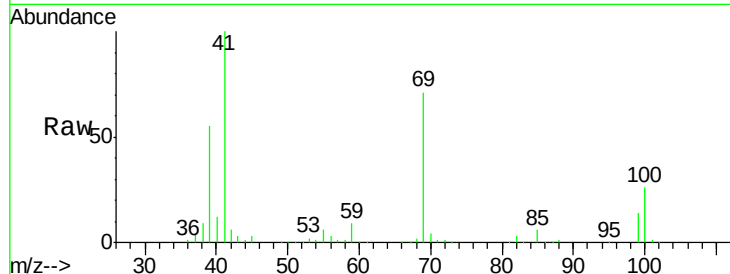




#43
Methyl Methacrylate
Concen: 9.58 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

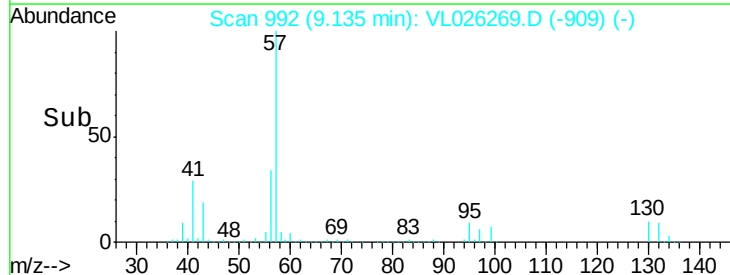
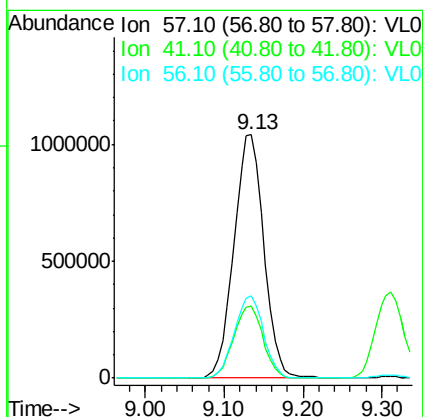
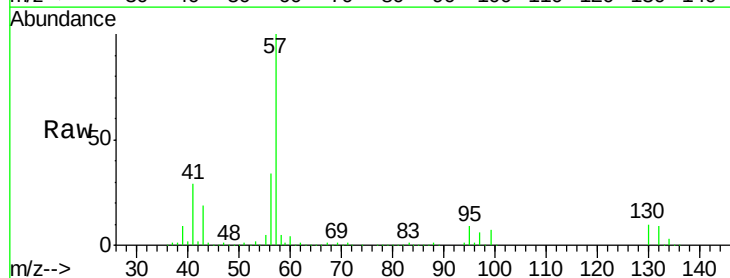
Instrument :
MSVOA_L
ClientSampled :

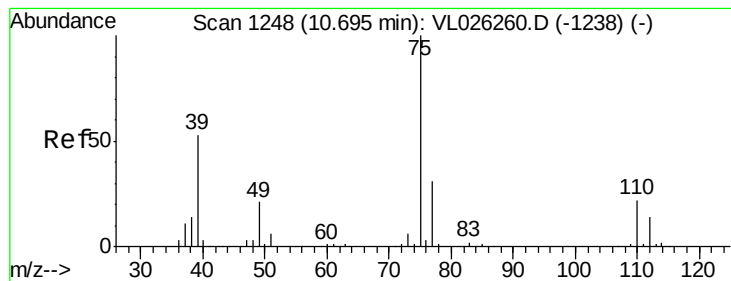
Tot Ion: 69 Resp: 663050
Ion Ratio Lower Upper
69 100
41 138.0 110.0 165.0
100 36.0 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.66 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 57 Resp: 2750954
Ion Ratio Lower Upper
57 100
41 29.1 23.1 34.7
56 32.9 26.3 39.5





#45

t-1,3-Dichloropropene

Concen: 10.20 ppbv

RT: 10.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

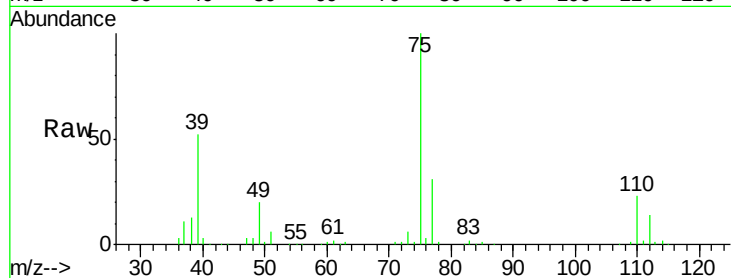
ClientSampleId :

Tot Ion: 75 Resp: 994353

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.70

400000

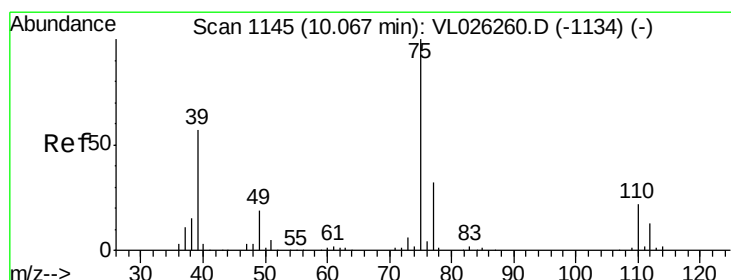
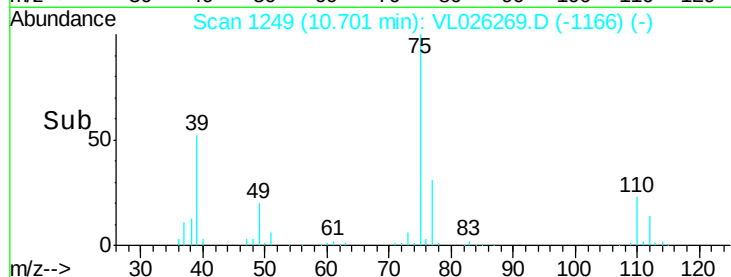
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.77 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

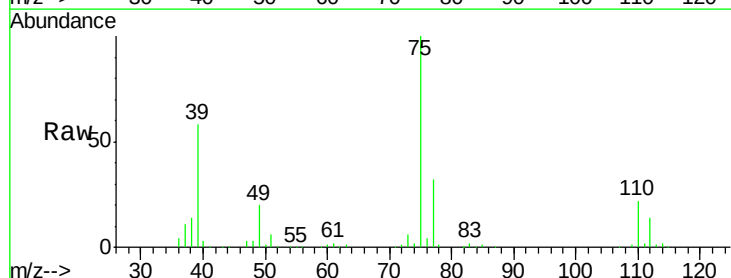
Tgt Ion: 75 Resp: 1158916

Ion Ratio Lower Upper

75 100

39 58.3 45.8 68.8

77 32.3 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

600000

500000

400000

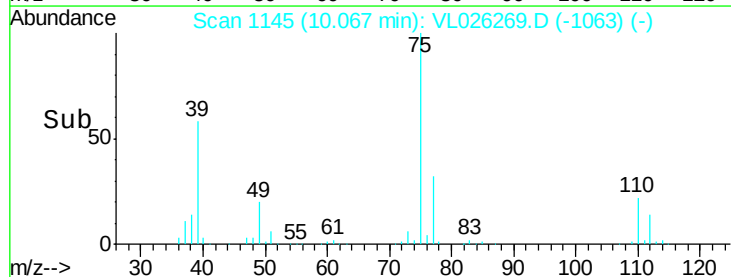
300000

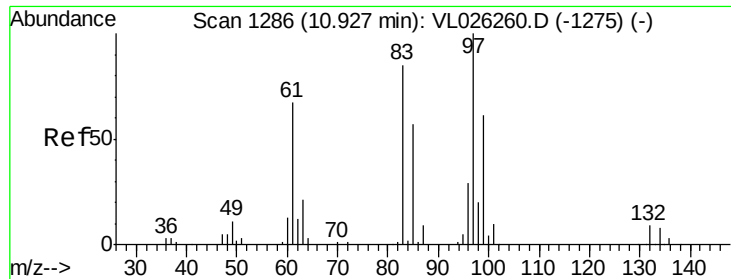
200000

100000

0

Time-->



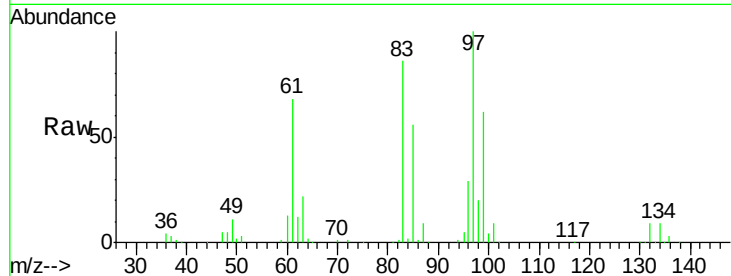


#47
 1,1,2-Trichloroethane
 Concen: 8.77 ppbv
 RT: 10.93 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

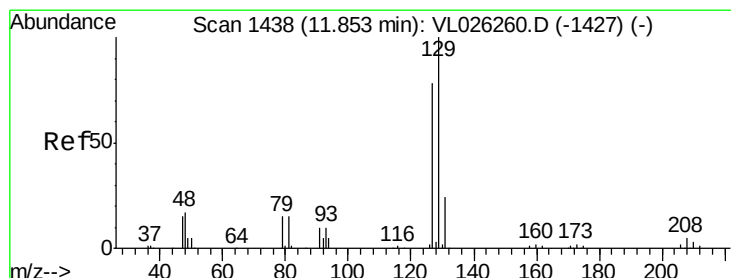
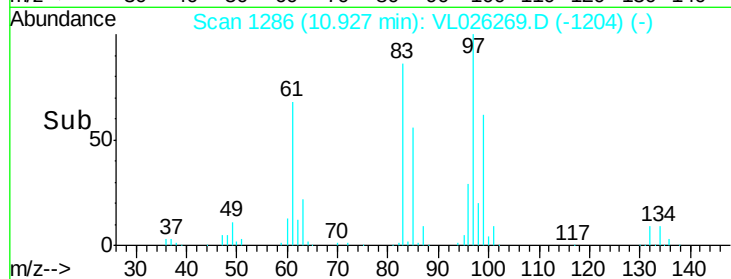
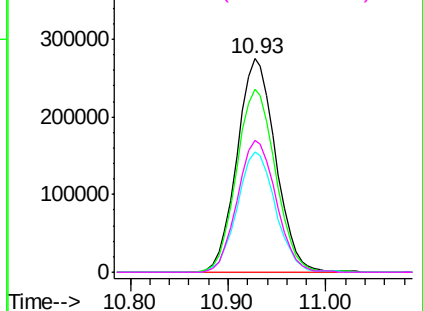
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 751093

Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.9	101.9
85	56.5	45.2	67.8
99	61.8	49.0	73.6



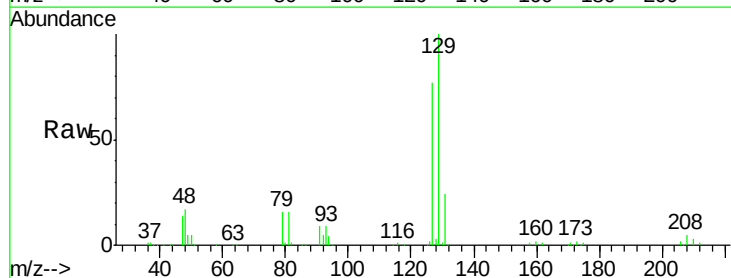
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



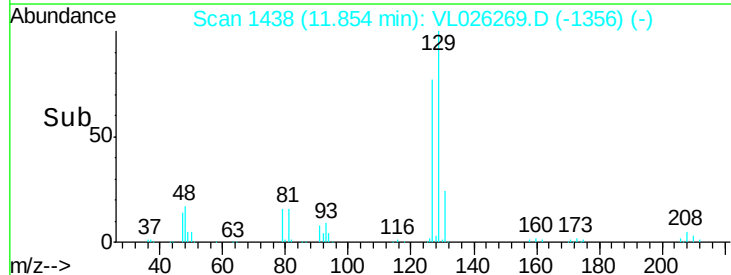
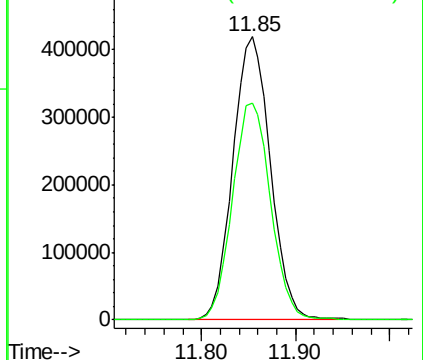
#48
 Dibromochloromethane
 Concen: 9.54 ppbv
 RT: 11.85 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

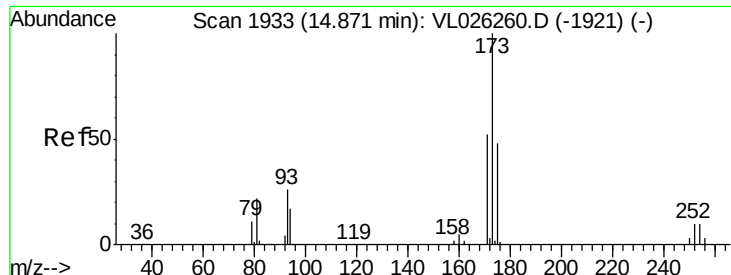
Tgt Ion: 129 Resp: 1168291

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.87 ppbv

RT: 14.87 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

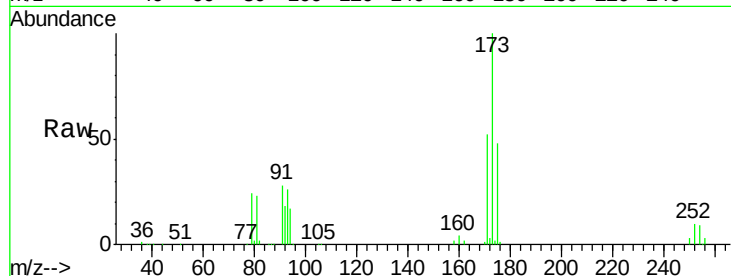
Tot Ion:173 Resp: 939739

Ion Ratio Lower Upper

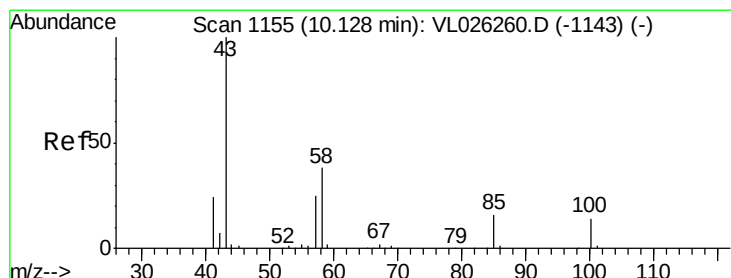
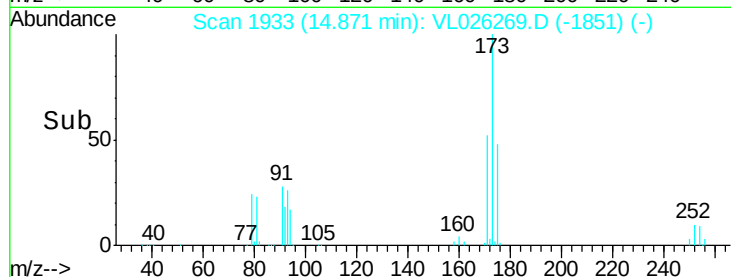
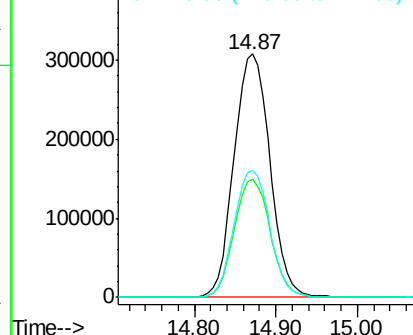
173 100

175 48.6 38.8 58.2

171 52.0 41.7 62.5



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: 9.40 ppbv

RT: 10.13 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VL026269.D

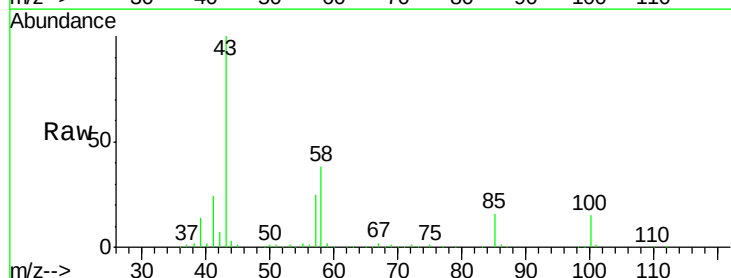
Acq: 29 Oct 2015 16:54

Tgt Ion: 43 Resp: 1396692

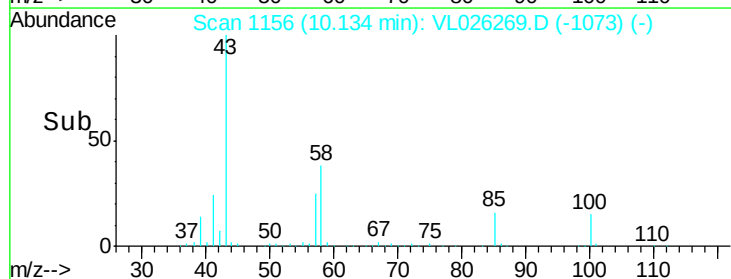
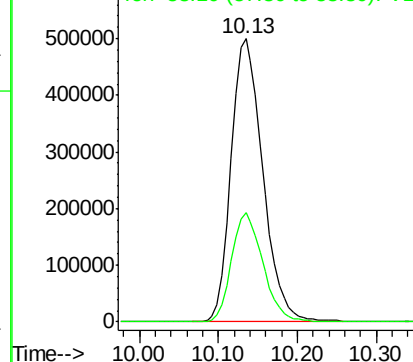
Ion Ratio Lower Upper

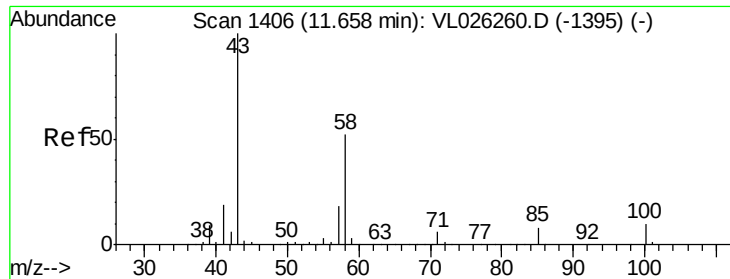
43 100

58 38.3 30.5 45.7



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

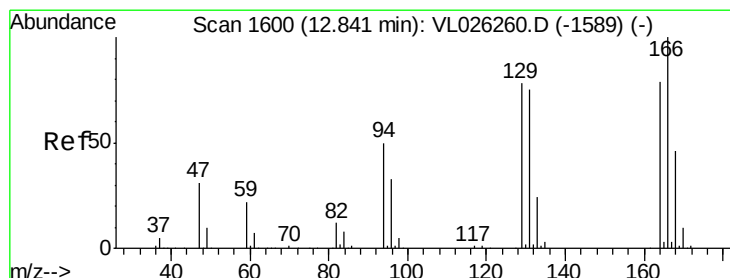
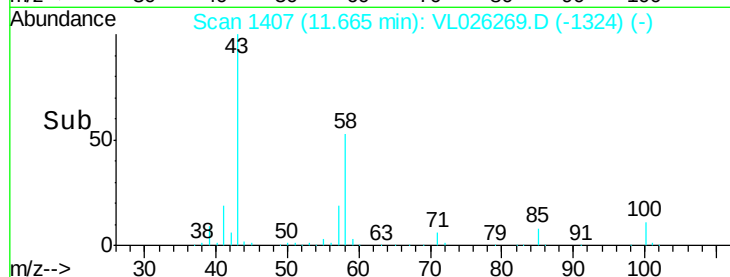
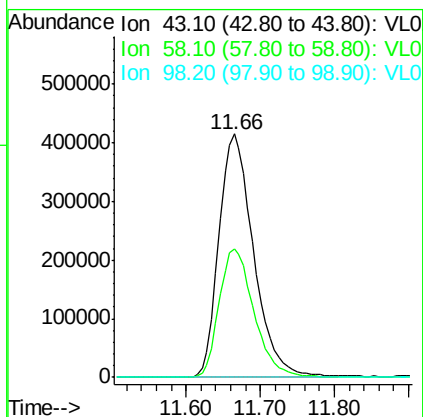
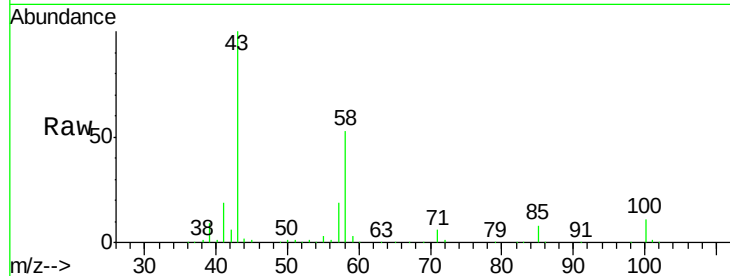




#51
2-Hexanone
Concen: 9.96 ppbv
RT: 11.66 min Scan# 1407
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

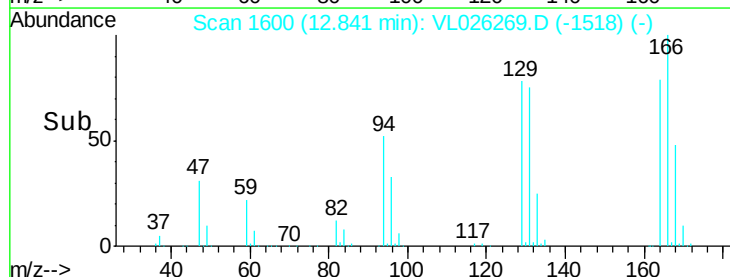
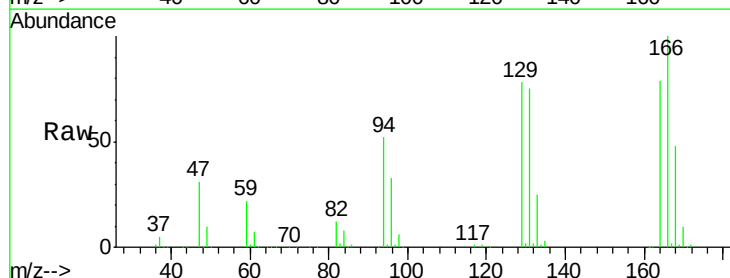
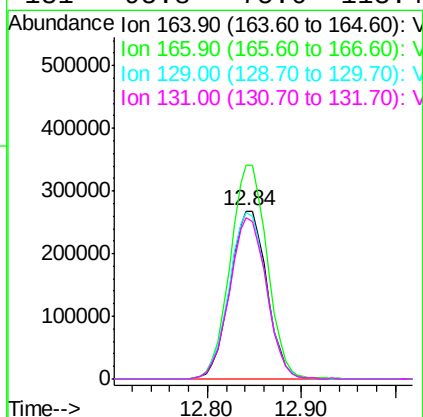
Instrument :
MSVOA_L
ClientSampled :

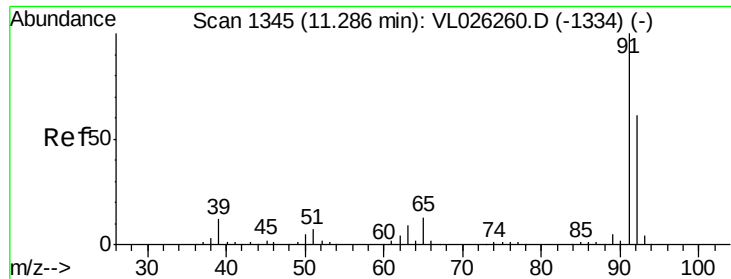
Tot Ion: 43 Resp: 1347729
Ion Ratio Lower Upper
43 100
58 53.2 42.7 64.1
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 7.45 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion:164 Resp: 732069
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.0
129 98.9 78.8 118.2
131 95.8 75.6 113.4





#53

Toluene

Concen: 9.00 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

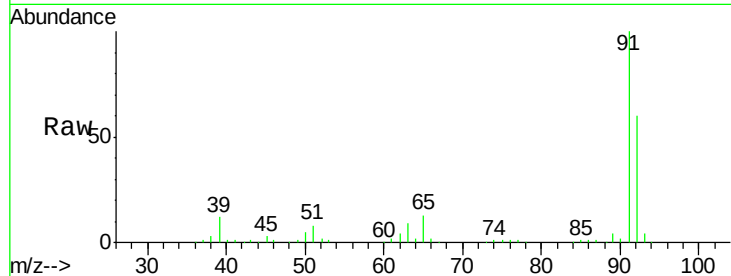
ClientSampled :

Tot Ion: 91 Resp: 2275382

Ion Ratio Lower Upper

91 100

92 60.5 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

11.29

800000

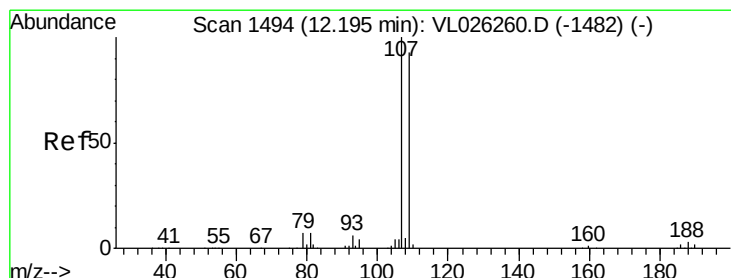
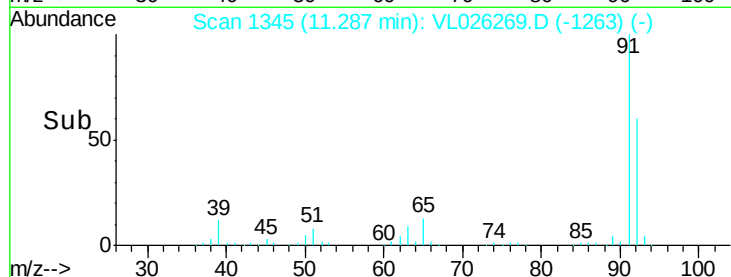
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 8.86 ppbv

RT: 12.19 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL026269.D

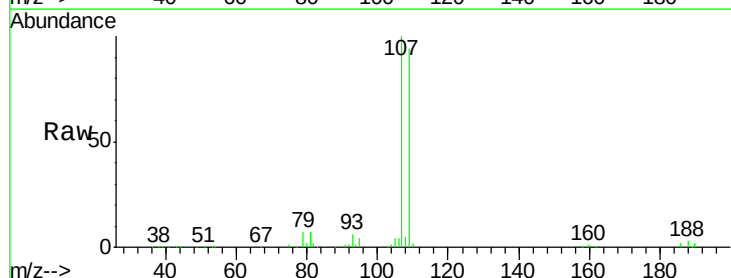
Acq: 29 Oct 2015 16:54

Tgt Ion:107 Resp: 1149236

Ion Ratio Lower Upper

107 100

109 93.6 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12.19

400000

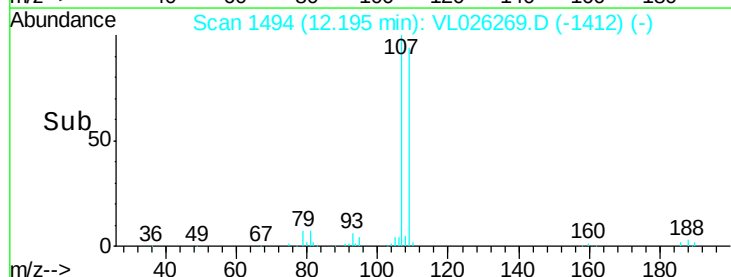
300000

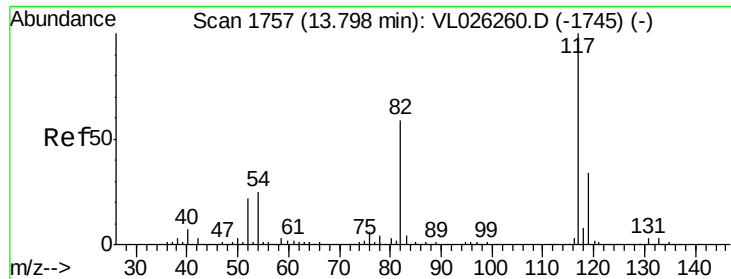
200000

100000

0

Time-->

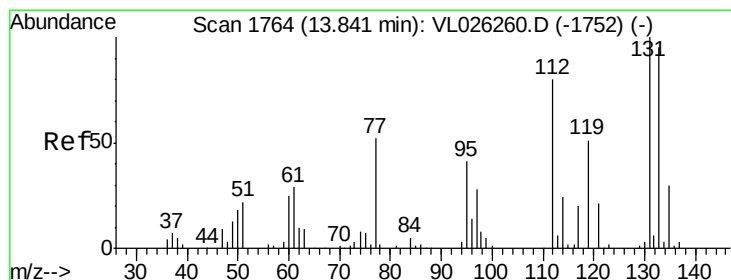
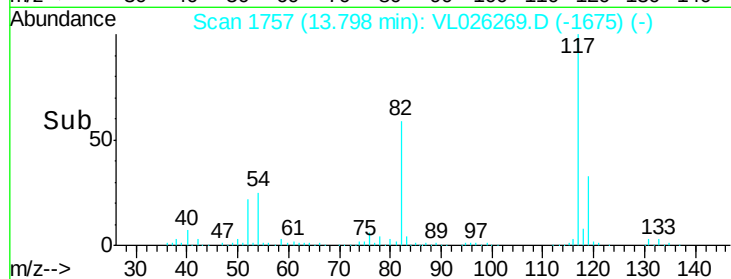
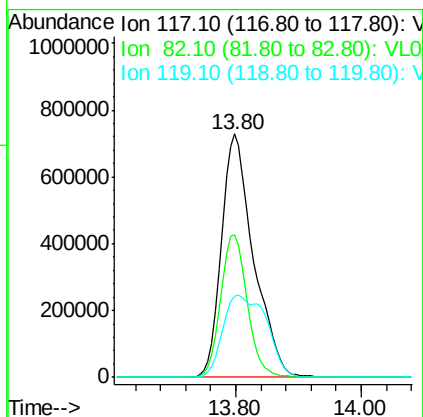
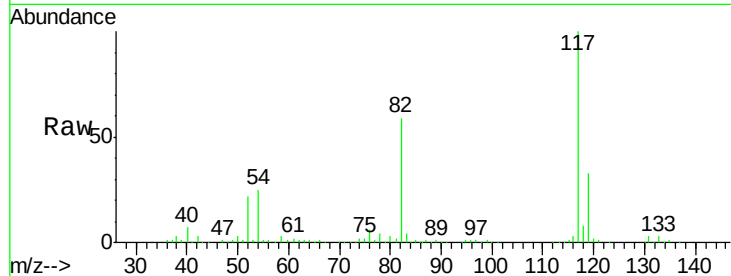




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

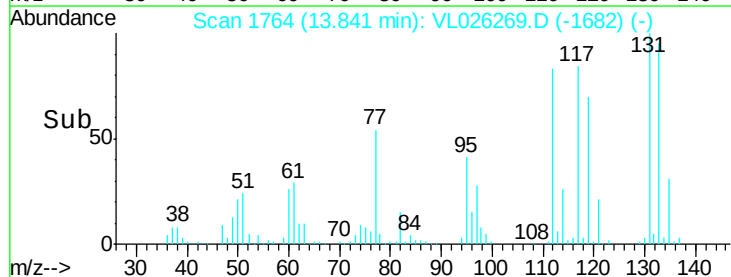
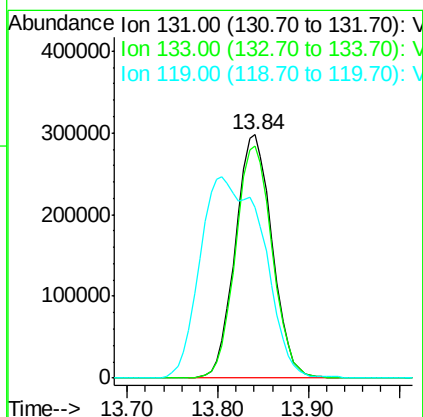
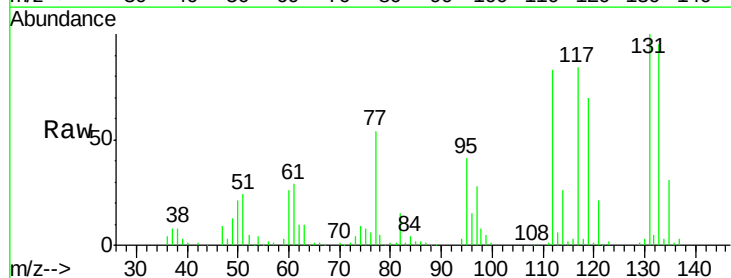
Instrument :
MSVOA_L
ClientSampleId :

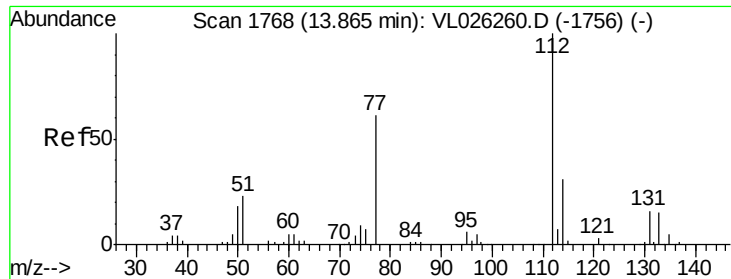
Tot Ion:117 Resp: 2577896
Ion Ratio Lower Upper
117 100
82 49.2 48.2 72.4
119 46.2 46.2 69.2



#56
1,1,1,2-Tetrachloroethane
Concen: 7.43 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion:131 Resp: 839678
Ion Ratio Lower Upper
131 100
133 95.4 76.1 114.1
119 141.9 111.3 166.9

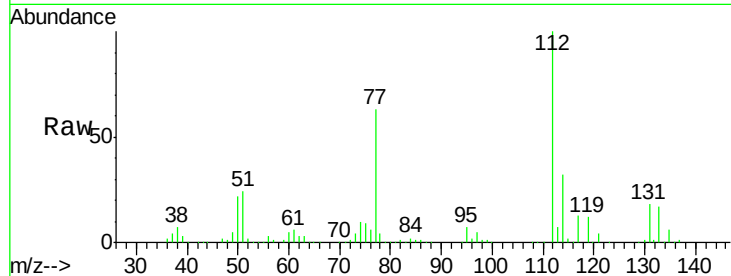




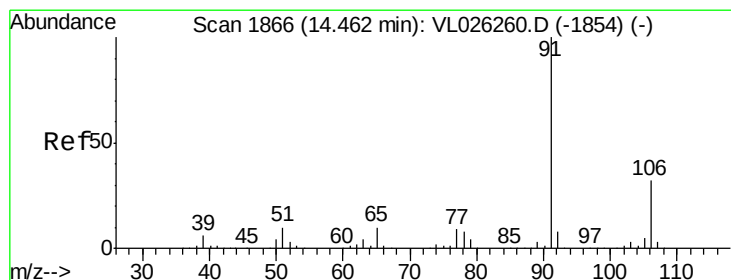
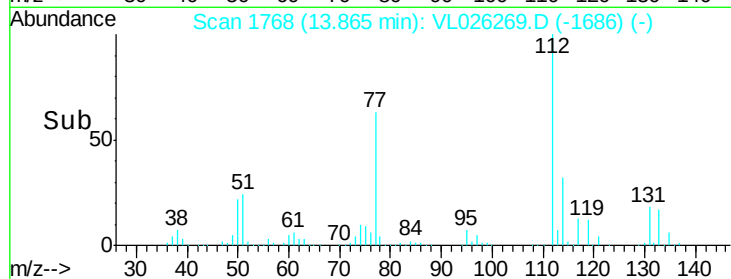
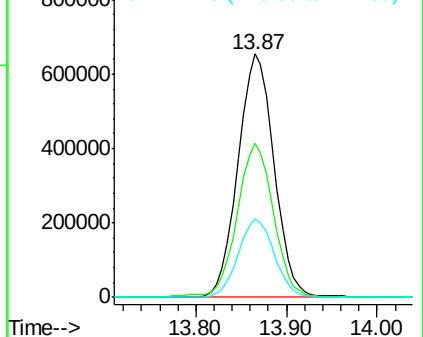
#57
Chlorobenzene
Concen: 7.06 ppbv
RT: 13.87 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 1803936
Ion Ratio Lower Upper
112 100
77 62.8 49.4 74.0
114 32.1 27.8 34.0

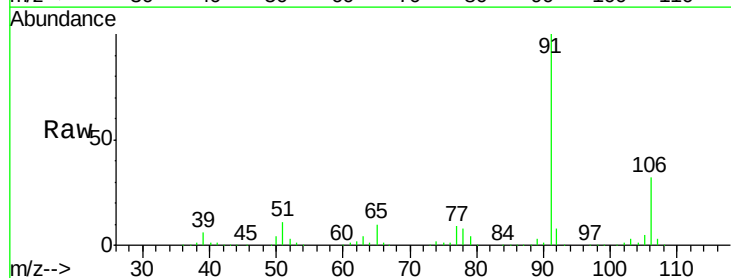


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

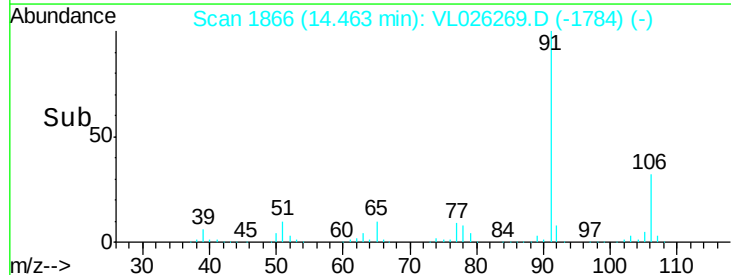
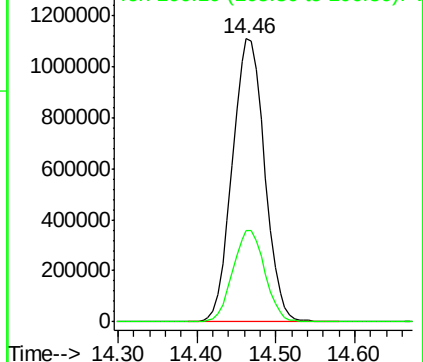


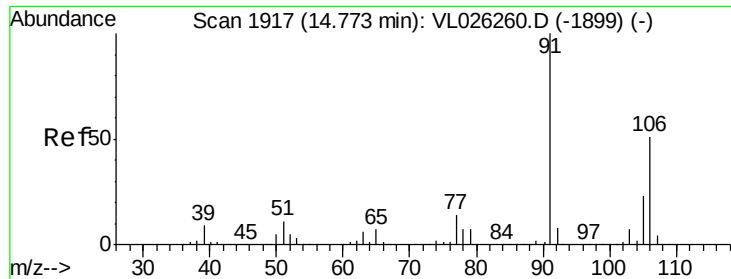
#58
Ethyl Benzene
Concen: 7.45 ppbv
RT: 14.46 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 91 Resp: 3158449
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

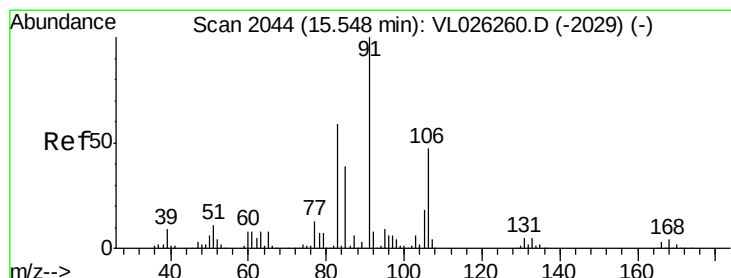
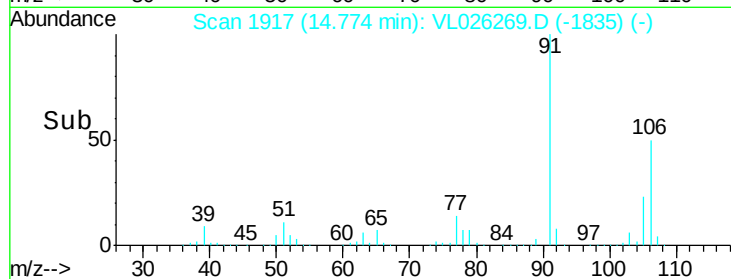
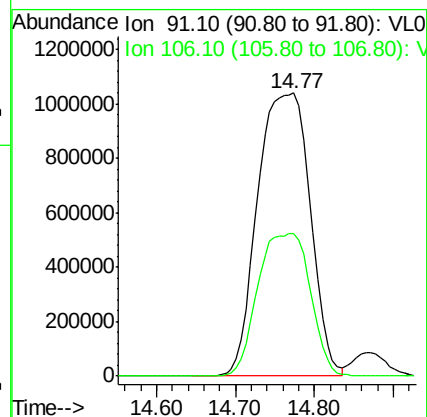
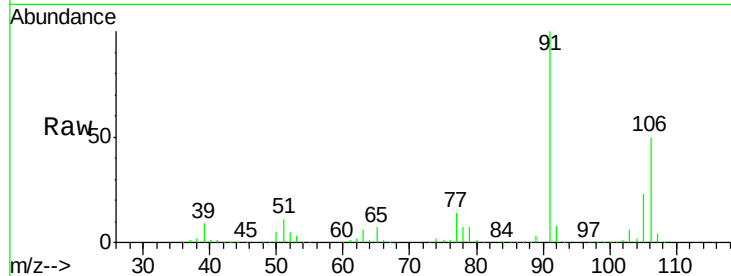




#59
m/p-Xylene
Concen: 14.30 ppbv
RT: 14.77 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

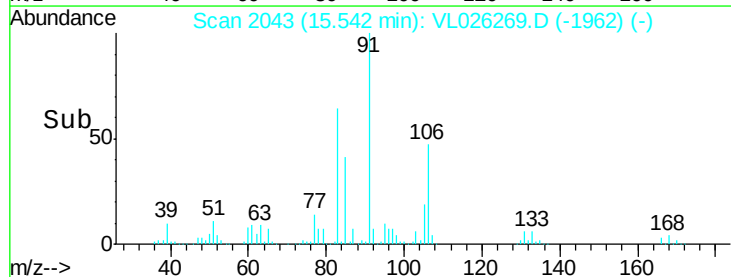
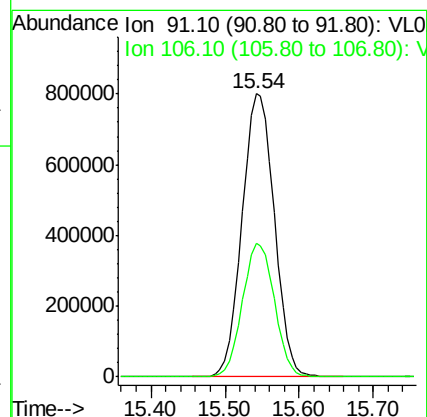
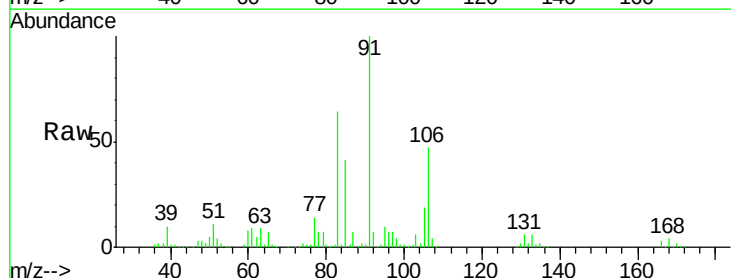
Instrument :
MSVOA_L
ClientSampled :

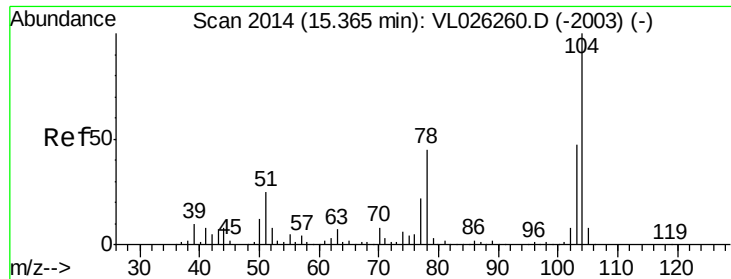
Tot Ion: 91 Resp: 4797952
Ion Ratio Lower Upper
91 100
106 50.6 0.0 0.0#



#60
o-Xylene
Concen: 6.95 ppbv
RT: 15.54 min Scan# 2043
Delta R.T. -0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 91 Resp: 2437631
Ion Ratio Lower Upper
91 100
106 47.0 23.6 70.8





#61

Stvrene

Concen: 8.18 ppbv

RT: 15.37 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampled :

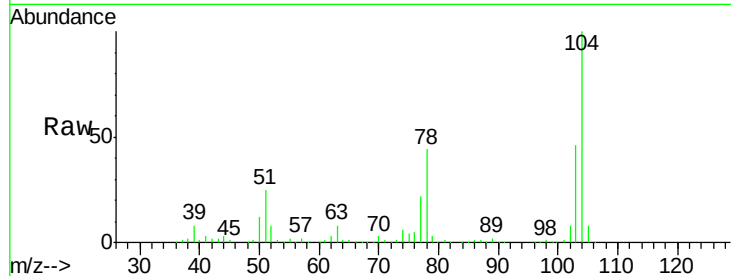
Tot Ion:104 Resp: 1219345

Ion Ratio Lower Upper

104 100

78 44.8 35.5 53.3

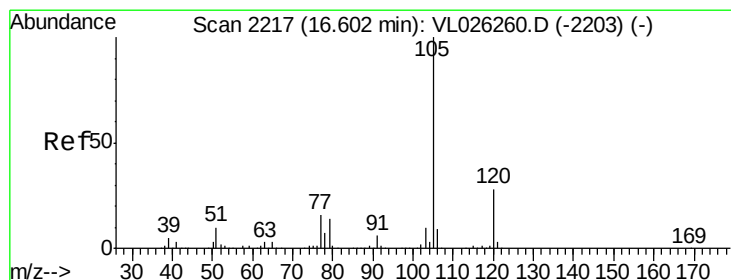
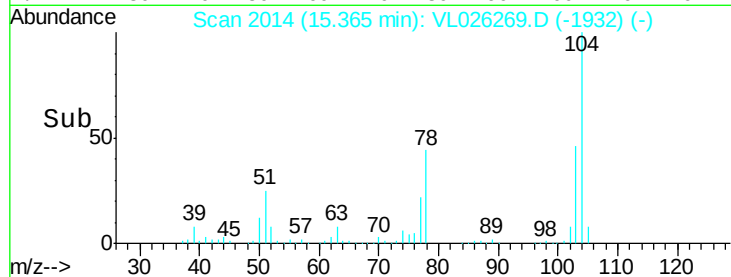
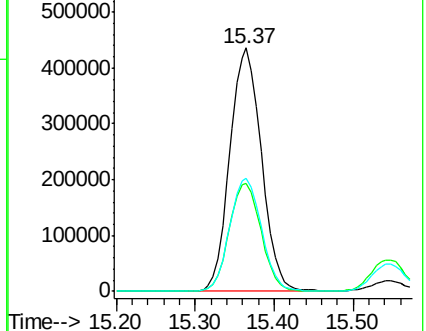
103 46.7 37.0 55.6



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: 7.17 ppbv

RT: 16.60 min Scan# 2216

Delta R.T. -0.01 min

Lab File: VL026269.D

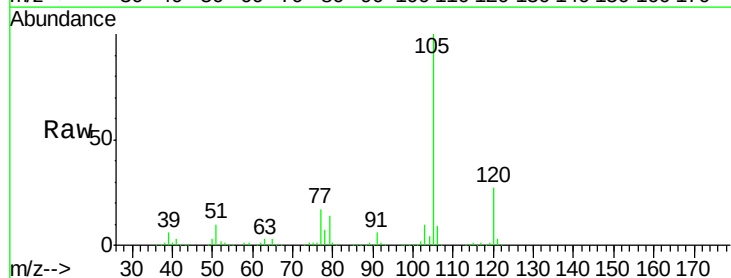
Acq: 29 Oct 2015 16:54

Tgt Ion:105 Resp: 3415379

Ion Ratio Lower Upper

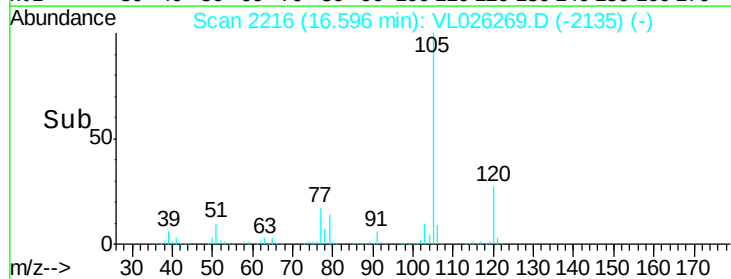
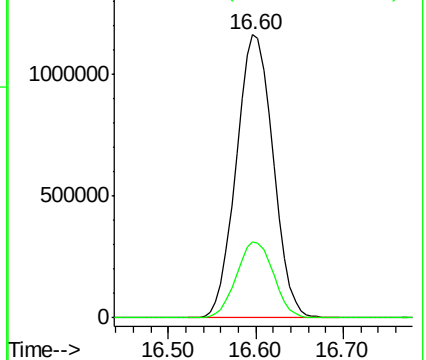
105 100

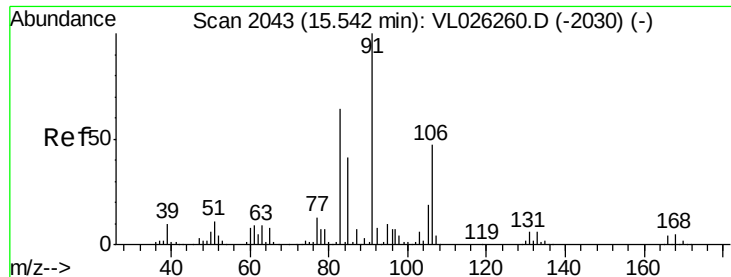
120 27.0 21.7 32.5



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: 6.01 ppbv

RT: 15.54 min Scan# 2043

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

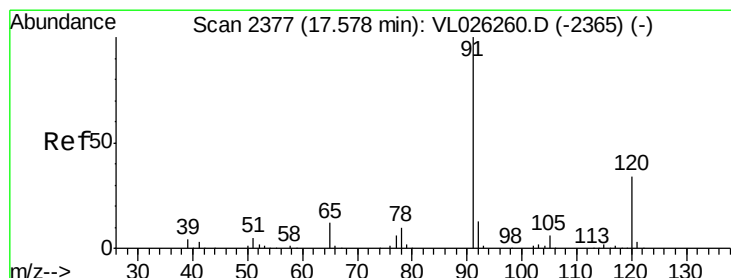
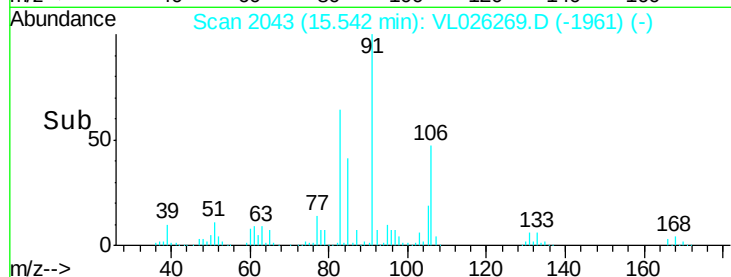
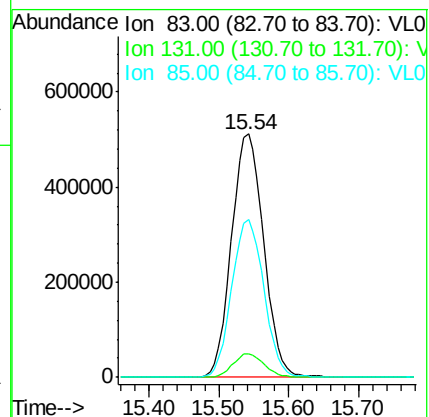
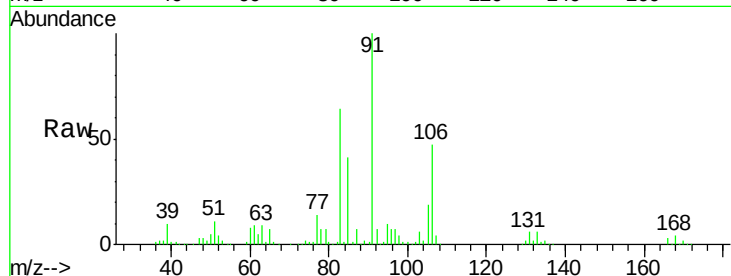
Tot Ion: 83 Resp: 1640389

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

85 64.8 32.4 97.2



#64

n-propylbenzene

Concen: 7.31 ppbv

RT: 17.58 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VL026269.D

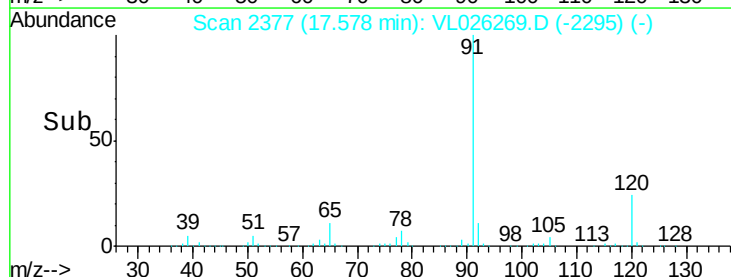
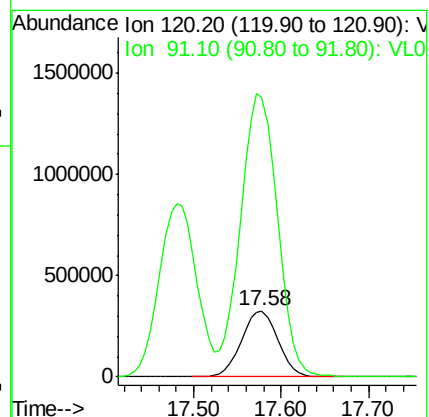
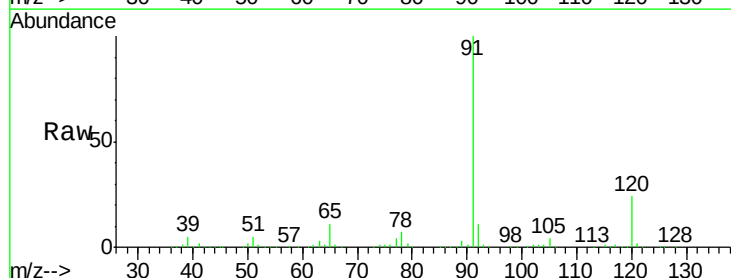
Acq: 29 Oct 2015 16:54

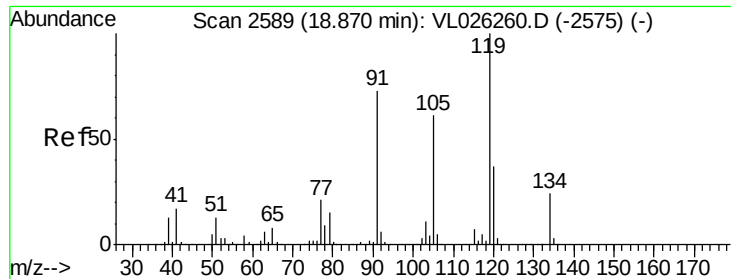
Tgt Ion:120 Resp: 945328

Ion Ratio Lower Upper

120 100

91 443.4 340.8 511.2

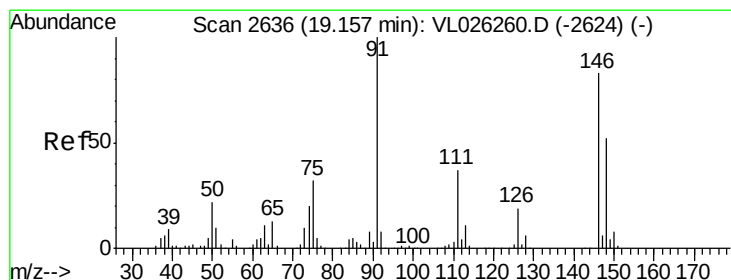
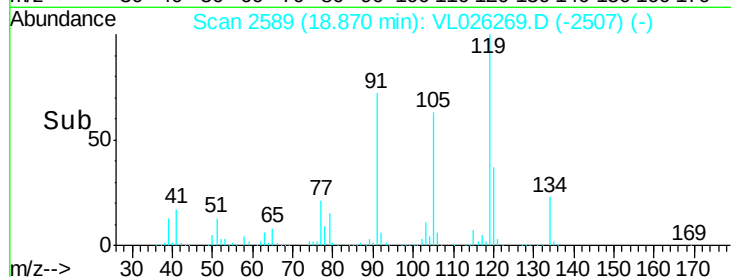
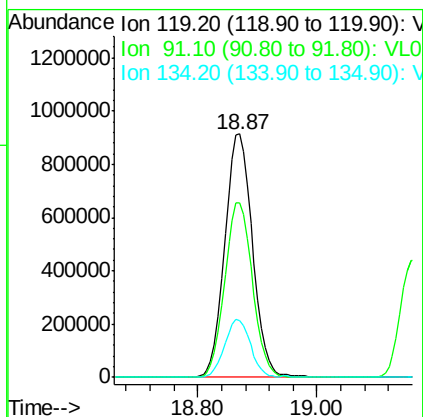
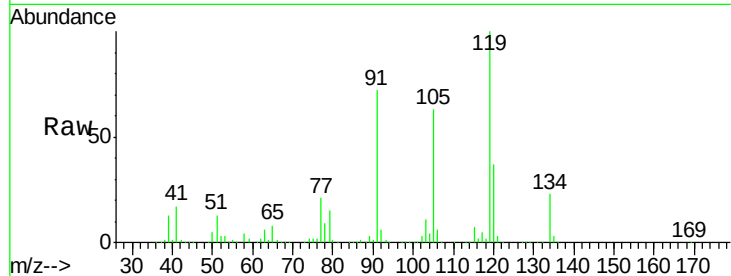




#65
tert-Butylbenzene
Concen: 6.84 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

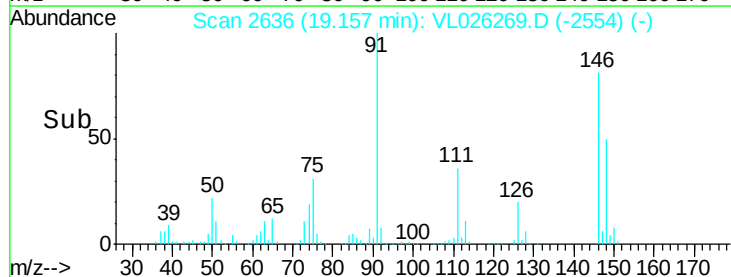
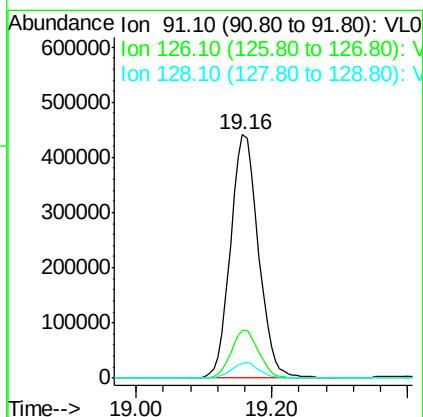
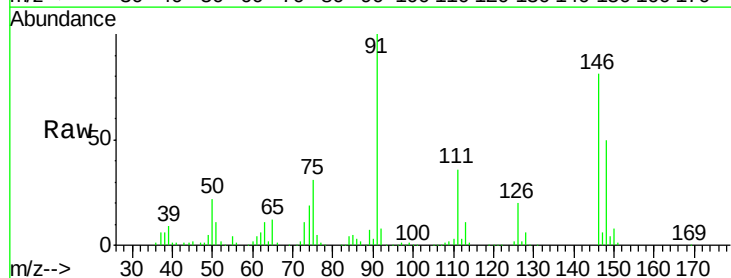
Instrument :
MSVOA_L
ClientSampled :

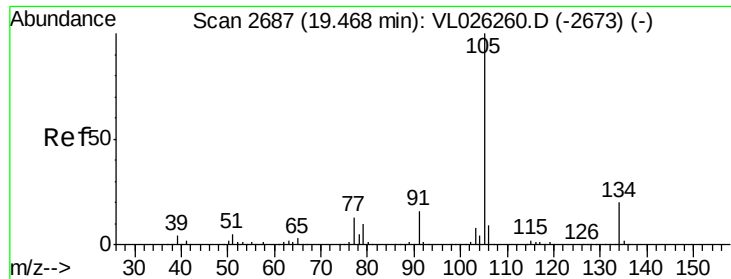
Tot Ion:119 Resp: 2941622
Ion Ratio Lower Upper
119 100
91 72.2 57.7 86.5
134 22.5 18.0 27.0



#66
Benzyl Chloride
Concen: 9.34 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion: 91 Resp: 1251731
Ion Ratio Lower Upper
91 100
126 19.5 15.8 23.8
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 7.01 ppbv

RT: 19.46 min Scan# 2686

Delta R.T. -0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

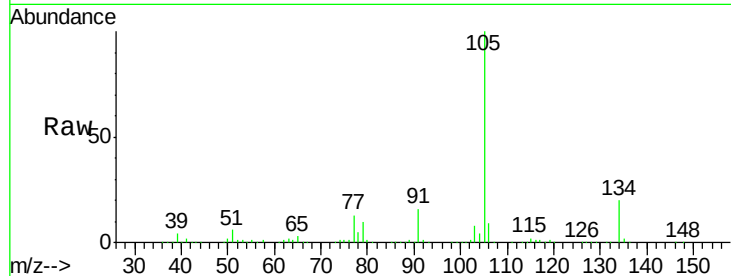
ClientSampleId :

Tot Ion:105 Resp: 4275489

Ion Ratio Lower Upper

105 100

134 20.0 16.0 24.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

19.46

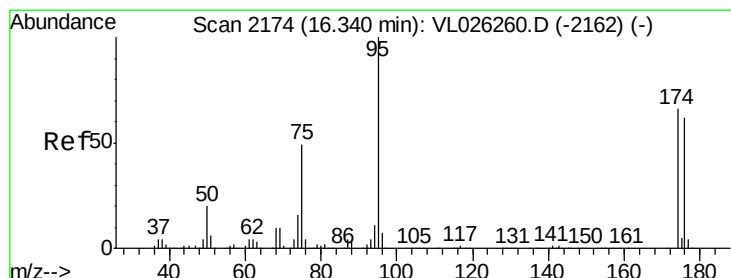
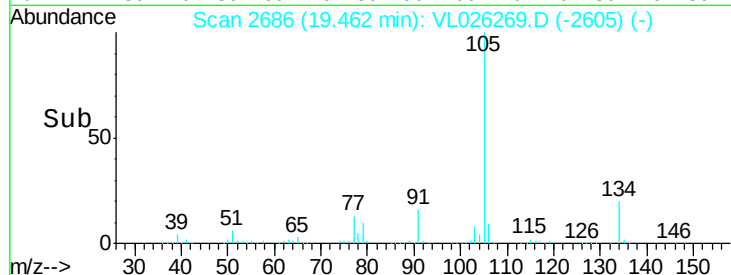
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.22 ppbv

RT: 16.34 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

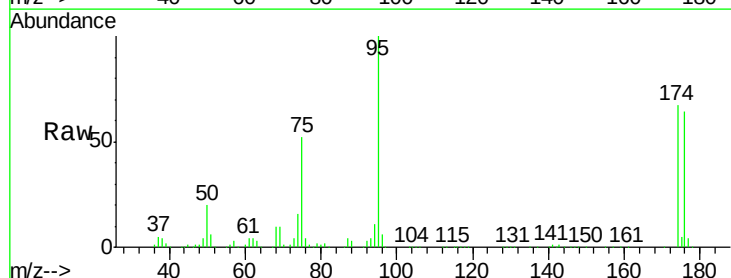
Tgt Ion: 95 Resp: 1607042

Ion Ratio Lower Upper

95 100

174 66.3 52.9 79.3

175 5.0 3.8 5.8



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

16.34

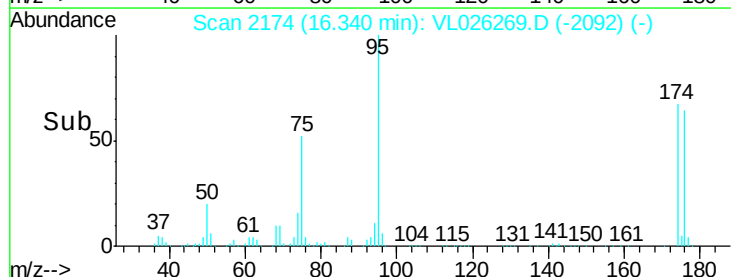
600000

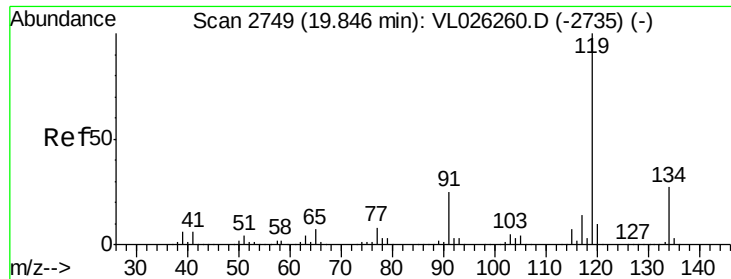
400000

200000

0

Time-->

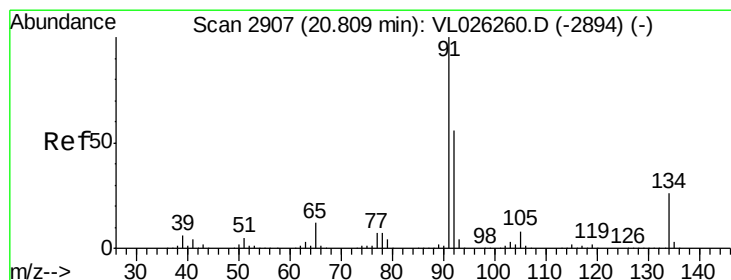
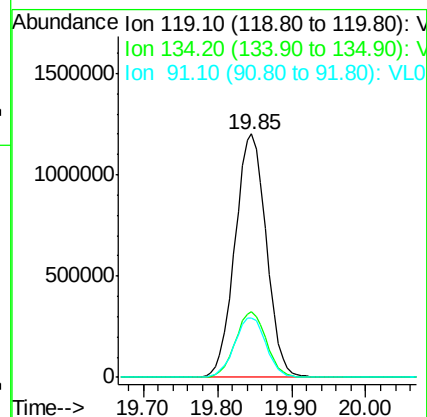
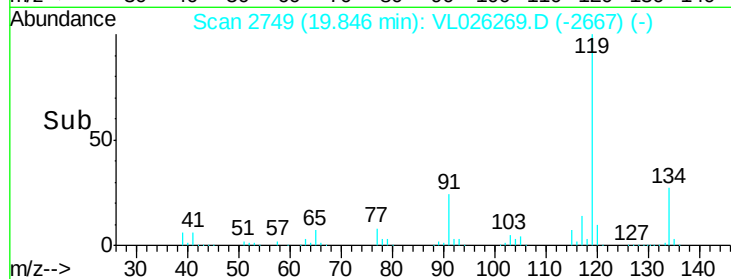
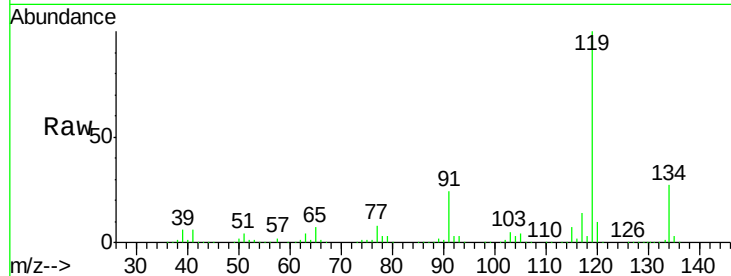




#69
 p-Isopropyltoluene
 Concen: 7.12 ppbv
 RT: 19.85 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

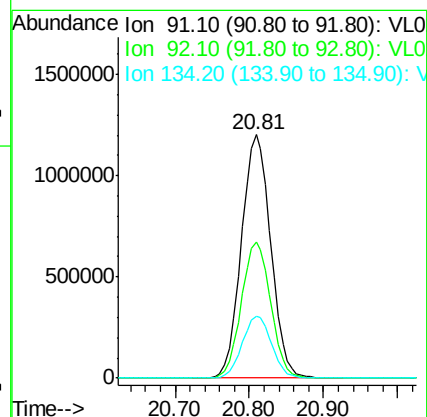
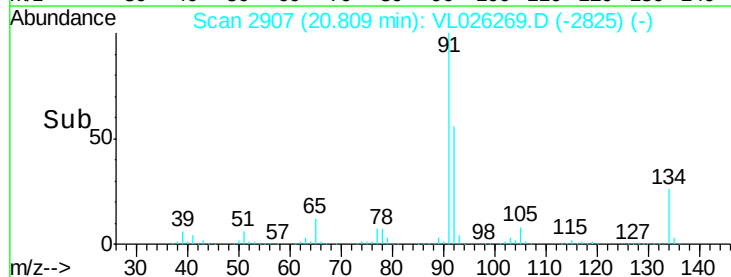
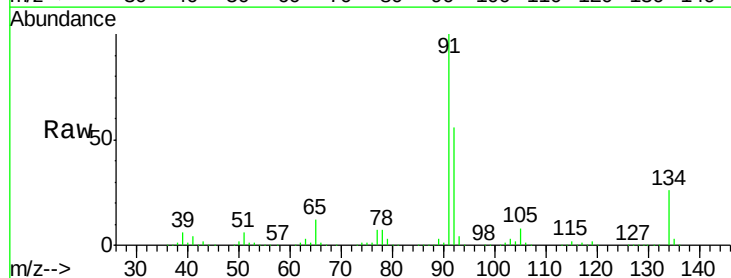
Instrument :
 MSVOA_L
 ClientSampleId :

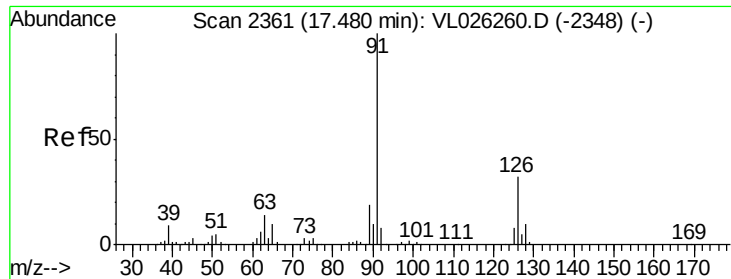
Tot Ion: 119 Resp: 3531940
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.3 31.9
 91 24.6 19.6 29.4



#70
 n-Butylbenzene
 Concen: 7.04 ppbv
 RT: 20.81 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Tgt Ion: 91 Resp: 3321939
 Ion Ratio Lower Upper
 91 100
 92 55.9 44.9 67.3
 134 25.5 20.5 30.7





#71

2-Chlorotoluene

Concen: 7.28 ppbv

RT: 17.48 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

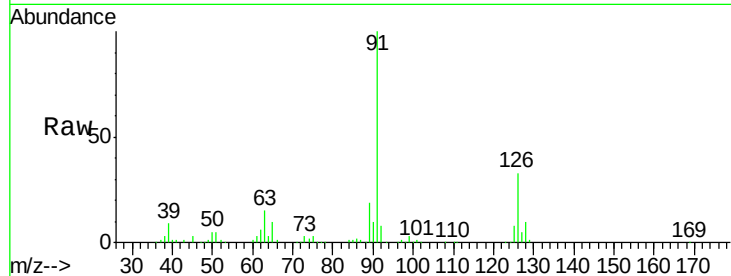
ClientSampled :

Tot Ion: 91 Resp: 2556638

Ion Ratio Lower Upper

91 100

126 32.4 12.8 51.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

1500000

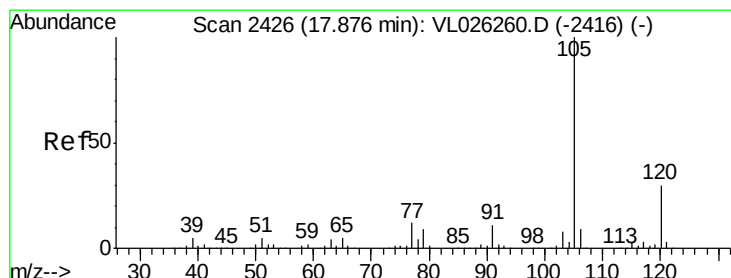
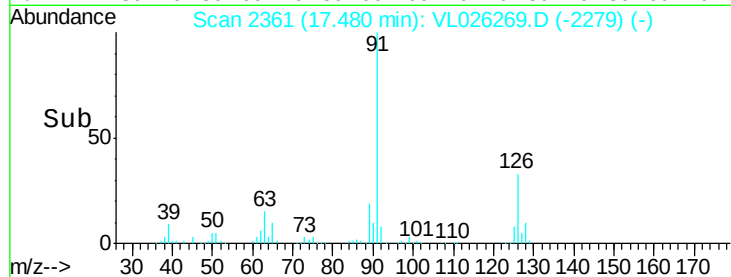
1000000

500000

0

17.40 17.50

Time-->



#72

4-Ethyltoluene

Concen: 7.32 ppbv

RT: 17.88 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion: 105 Resp: 2885259

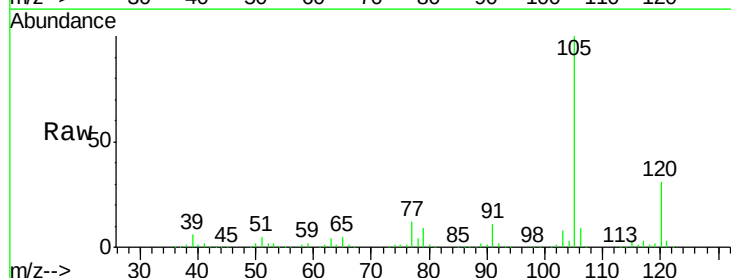
Ion Ratio Lower Upper

105 100

120 31.4 25.1 37.7

91 11.5 9.1 13.7

77 12.2 9.7 14.5



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

1500000

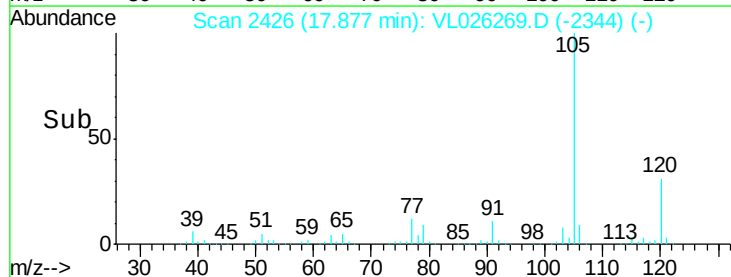
1000000

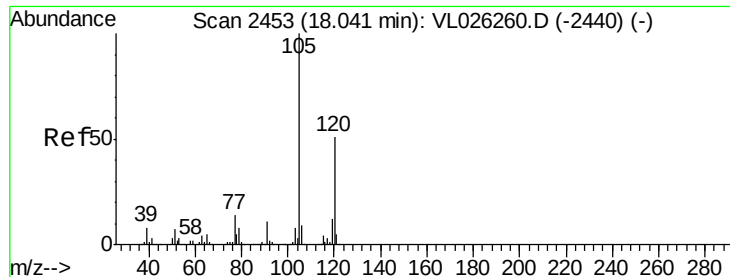
500000

0

17.80 17.90 18.00

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.12 ppbv

RT: 18.04 min Scan# 2453

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

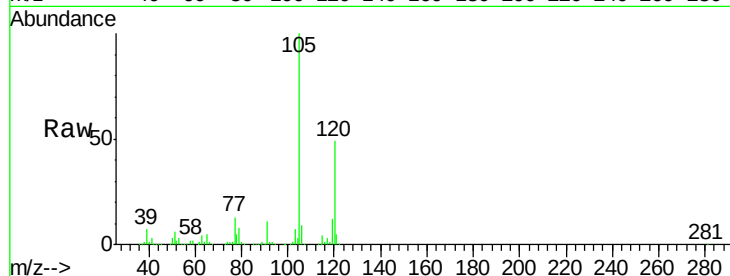
ClientSampleId :

Tot Ion:105 Resp: 2648069

Ion Ratio Lower Upper

105 100

120 48.7 40.6 61.0

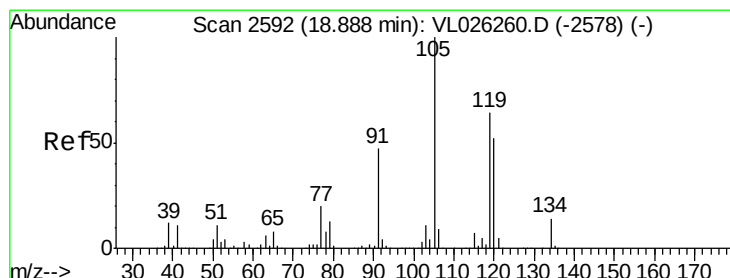
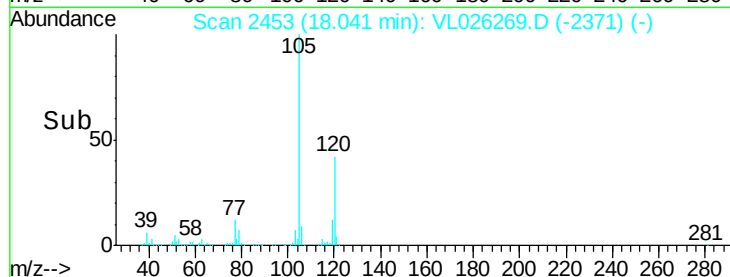


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

18.04

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.80 ppbv

RT: 18.89 min Scan# 2592

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion:105 Resp: 2646697

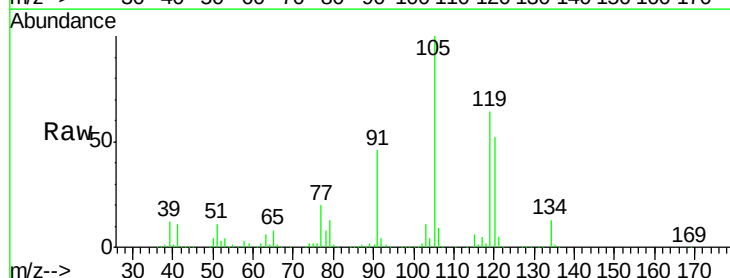
Ion Ratio Lower Upper

105 100

120 51.6 41.2 61.8

91 46.0 37.8 56.8

77 19.7 16.1 24.1



Abundance Ion 105.10 (104.80 to 105.80): V

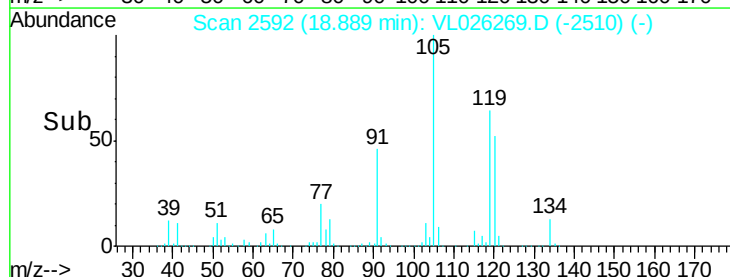
Ion 120.20 (119.90 to 120.90): V

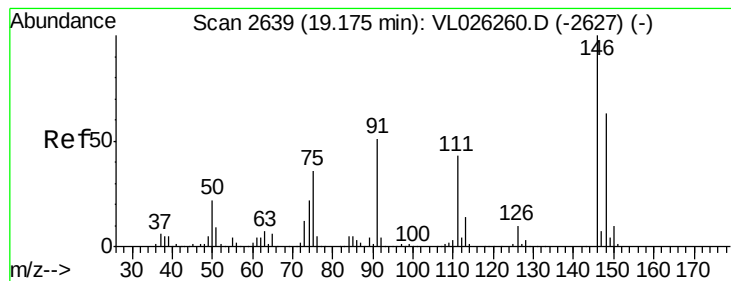
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

18.89

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.00 ppbv

RT: 19.18 min Scan# 2639

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

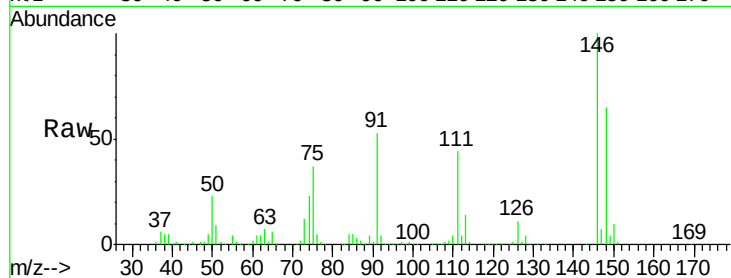
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 1763203

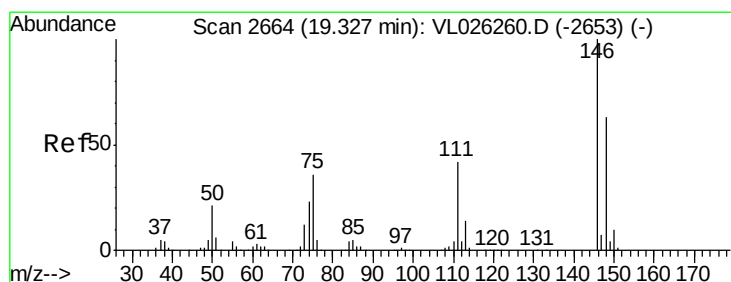
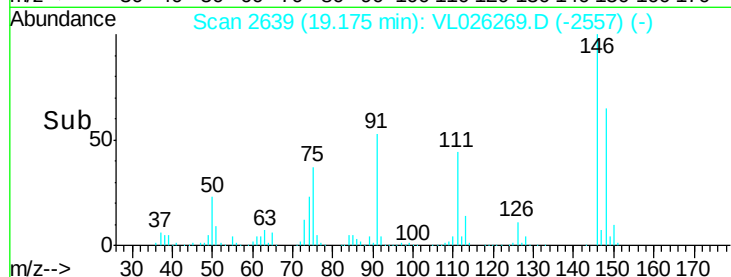
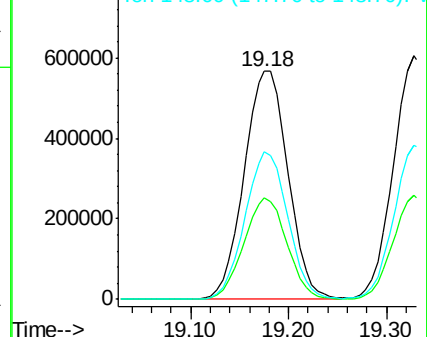
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.5
148	63.2	31.8	95.3



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: 7.17 ppbv

RT: 19.33 min Scan# 2664

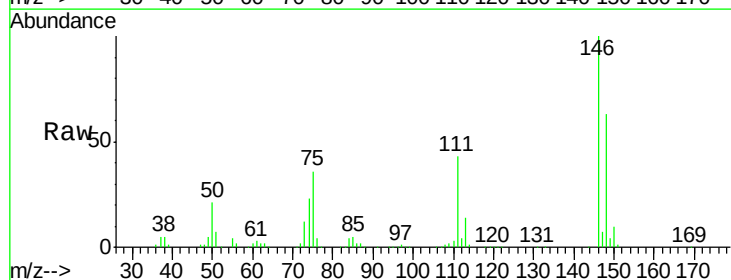
Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Tgt Ion:146 Resp: 1837587

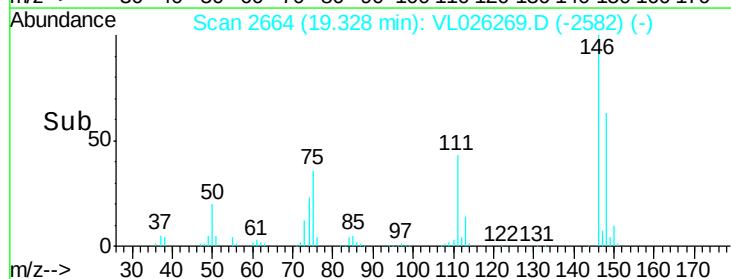
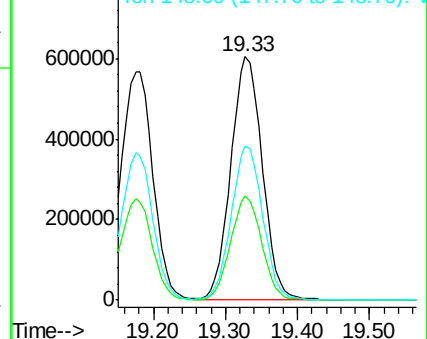
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.6	31.8	95.3

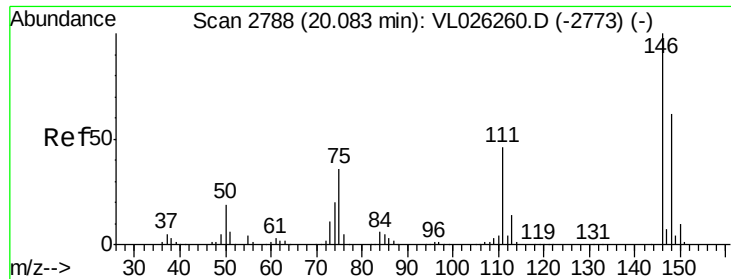


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.01 ppbv

RT: 20.08 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

Instrument :

MSVOA_L

ClientSampleId :

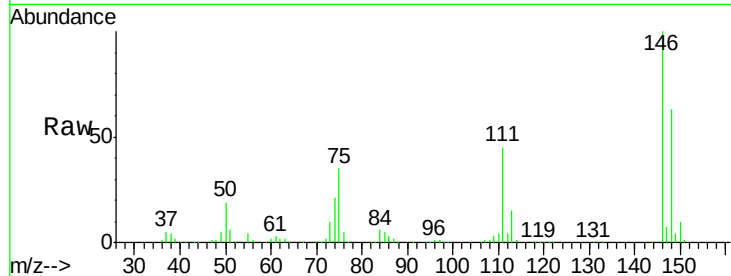
Tot Ion:146 Resp: 1763633

Ion Ratio Lower Upper

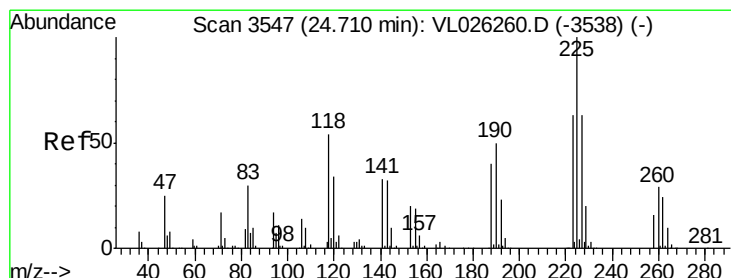
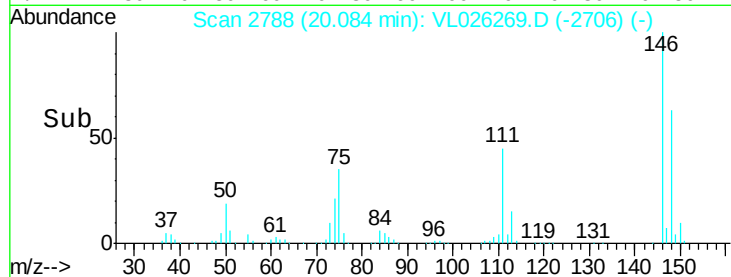
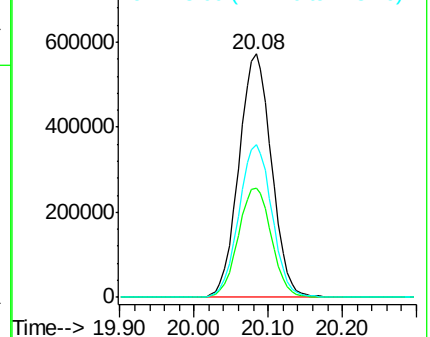
146 100

111 45.8 22.8 68.3

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: 6.76 ppbv

RT: 24.72 min Scan# 3548

Delta R.T. 0.01 min

Lab File: VL026269.D

Acq: 29 Oct 2015 16:54

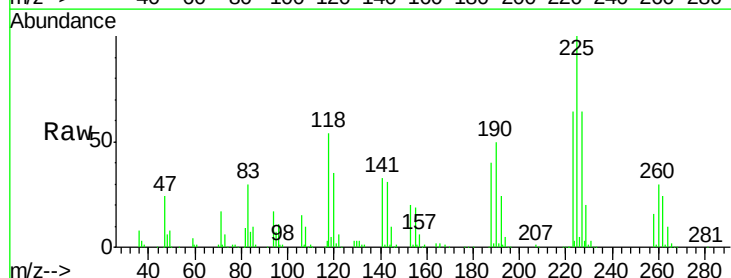
Tgt Ion:225 Resp: 688595

Ion Ratio Lower Upper

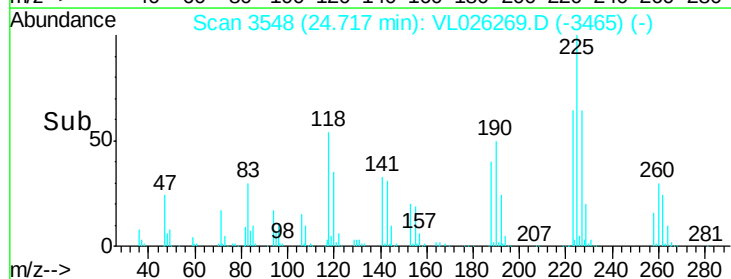
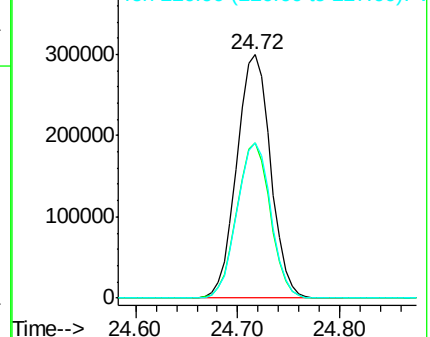
225 100

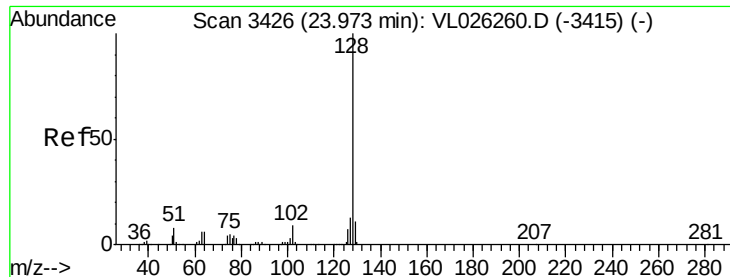
223 63.2 51.0 76.6

227 63.8 51.3 76.9



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

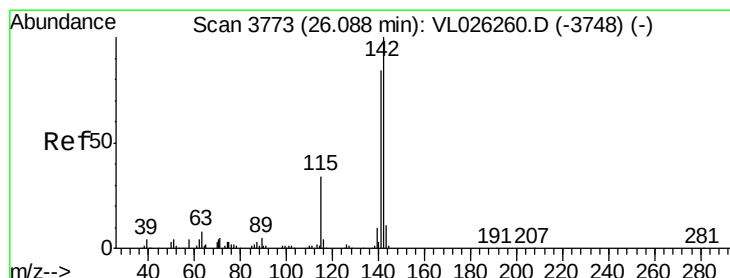
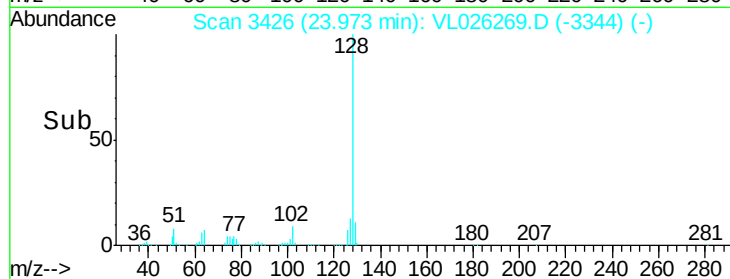
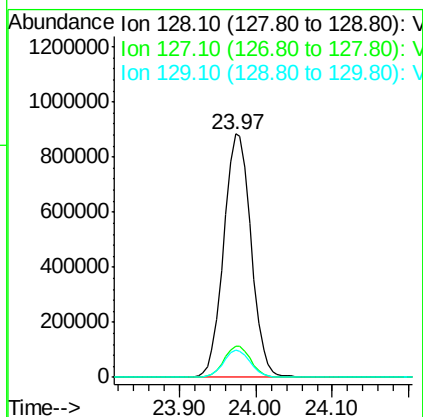
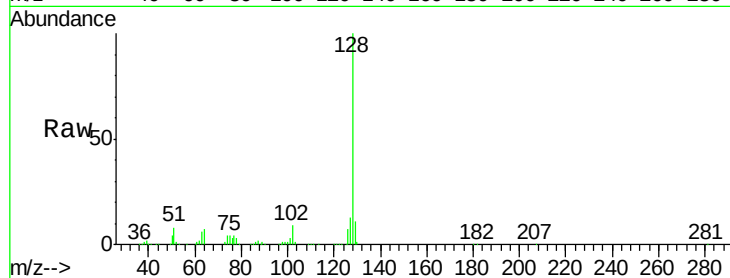




#79
Naphthalene
Concen: 7.87 ppbv
RT: 23.97 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

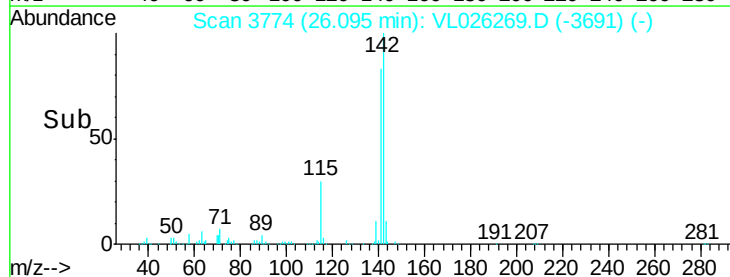
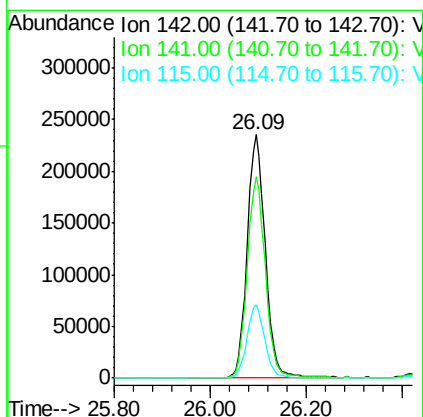
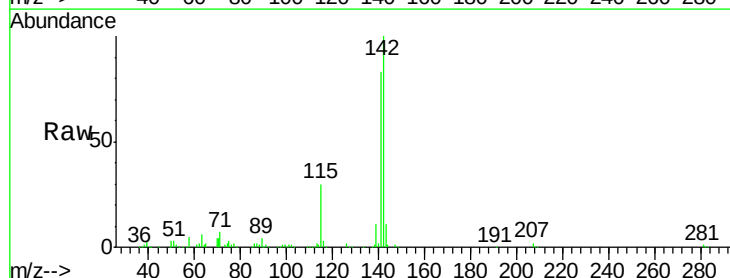
Instrument :
MSVOA_L
ClientSampleId :

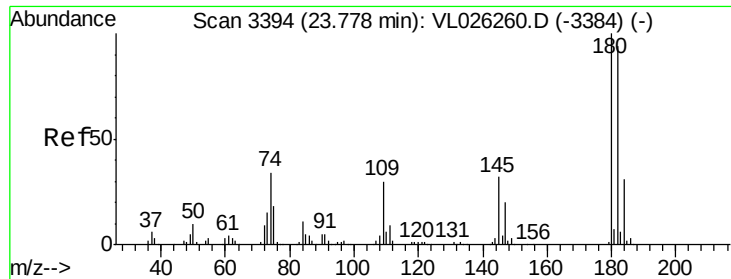
Tot Ion:128 Resp: 2190512
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.2 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 12.09 ppbv
RT: 26.09 min Scan# 3774
Delta R.T. 0.01 min
Lab File: VL026269.D
Acq: 29 Oct 2015 16:54

Tgt Ion:142 Resp: 620507
Ion Ratio Lower Upper
142 100
141 83.7 66.1 99.1
115 30.3 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.40 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL026269.D
 Acq: 29 Oct 2015 16:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1028877
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.0 114.0
 184 30.5 24.2 36.4

