

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026261.D
 Acq On : 29 Oct 2015 10:02
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Oct 29 11:00:51 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 10:13:03 2015
 QLast Update : Thu Oct 29 10:15:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	596220	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1679949	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	2027249	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1506792	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	257111	2.10	ppbv	100
3) Chlorodifluoromethane	3.59	51	158290	2.11	ppbv	99
4) Chloromethane	3.78	50	87985	2.14	ppbv	95
5) Vinyl Chloride	3.91	62	88663	2.06	ppbv	97
6) Bromomethane	4.17	94	63465	2.06	ppbv	97
7) Chloroethane	4.26	64	37827	2.09	ppbv	95
8) Dichlorotetrafluoroethane	3.83	85	226203	2.14	ppbv	100
9) Propene	3.62	41	75476	2.12	ppbv	98
10) Heptane	9.39	43	258374	2.17	ppbv	98
11) Trichlorofluoromethane	4.72	101	247509	2.07	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	165356	2.03	ppbv	99
13) Ethanol	4.37	45	13549	2.65	ppbv	94
14) Bromoethene	4.48	108	69873	2.01	ppbv	99
15) Acetone	4.64	43	166143	1.91	ppbv #	87
16) 1,3-Butadiene	4.00	39	81249	2.07	ppbv	98
17) tert-Butyl alcohol	5.16	59	117858	2.02	ppbv	100
18) 1,1-Dichloroethene	5.11	96	74513	2.01	ppbv	93
19) Isopropyl Alcohol	4.78	45	72777	2.17	ppbv #	67
20) Methylene Chloride	5.18	84	69568	2.01	ppbv	98
21) Allyl Chloride	5.26	41	110478	1.94	ppbv	99
22) trans-1,2-Dichloroethene	5.79	96	104377	2.17	ppbv	97
23) Vinyl Acetate	6.01	43	318667	1.98	ppbv	99
24) 1,1-Dichloroethane	5.94	63	219102	2.15	ppbv	99
25) Ethyl Acetate	6.70	43	347218	2.12	ppbv	100
26) Hexane	6.69	57	171450	2.09	ppbv	99
27) Carbon Disulfide	5.42	76	196877	1.90	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	299181	2.02	ppbv	100
29) Chloroform	6.78	83	247443	2.09	ppbv	98
30) Cyclohexane	8.32	84	168406	2.06	ppbv	92
31) cis-1,2-Dichloroethene	6.55	61	155405	2.09	ppbv	98
32) 1,1,1-Trichloroethane	7.63	97	245512	1.88	ppbv	99
34) 2-Butanone	6.23	43	217482	2.26	ppbv	99
35) Carbon Tetrachloride	8.20	117	250319	1.97	ppbv	99
36) Benzene	8.06	78	381817	2.22	ppbv	99
37) 1,2-Dichloroethane	7.41	62	192661	2.19	ppbv	99
38) Trichloroethene	9.10	130	157785	1.91	ppbv	97
39) 1,2-Dichloropropane	8.87	63	139047	2.29	ppbv	97
40) 1,4-Dioxane	9.18	88	23974	2.17	ppbv #	1
41) Tetrahydrofuran	7.17	42	127672	2.28	ppbv	99
42) Bromodichloromethane	9.06	83	269679	2.14	ppbv	100
43) Methyl Methacrylate	9.31	69	137293	2.20	ppbv	98

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026261.D
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 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Oct 29 11:00:51 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 10:13:03 2015
 QLast Update : Thu Oct 29 10:15:11 2015
 Response via : Initial Calibration

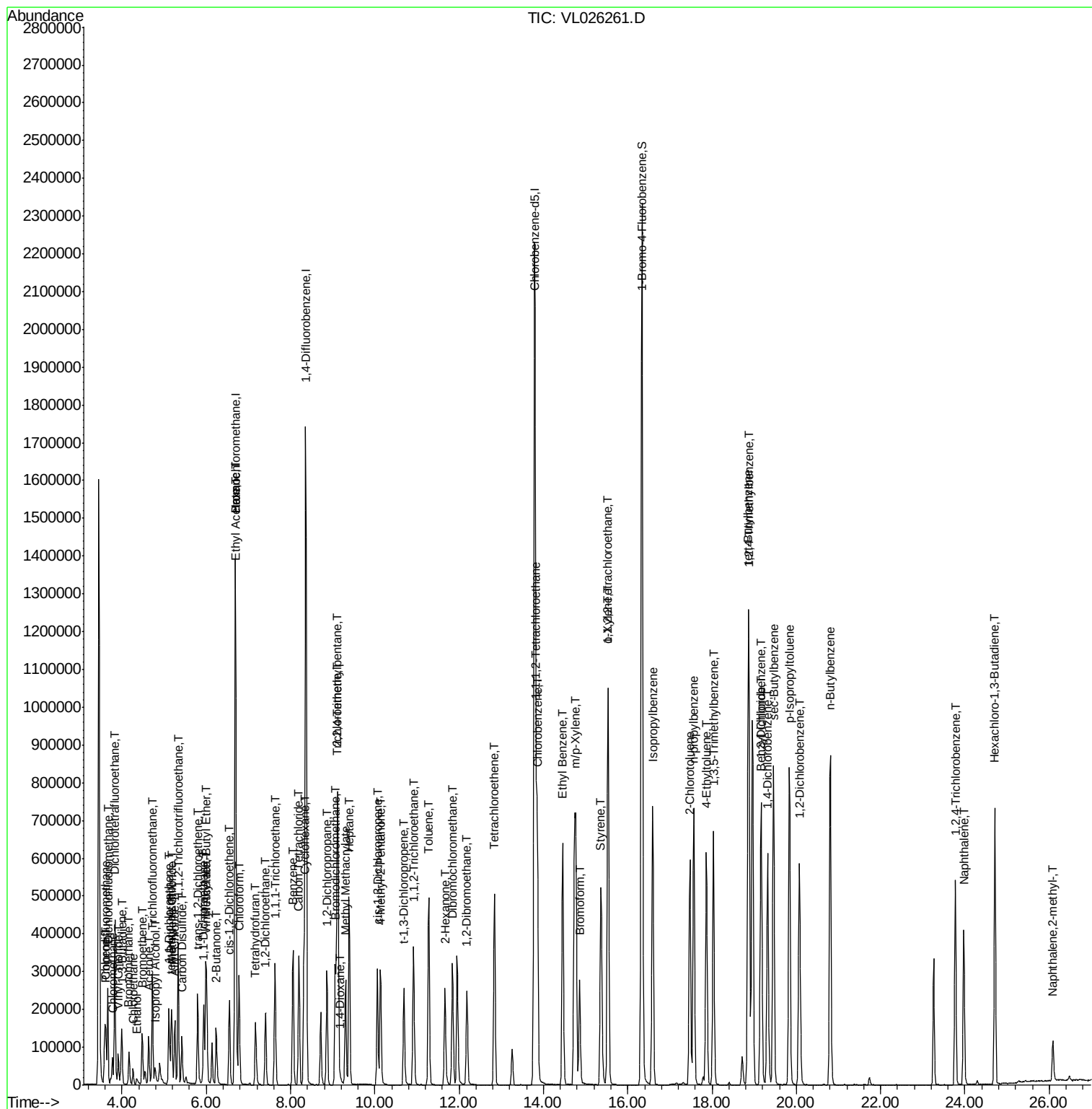
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	652557	2.34	ppbv	98
45) t-1,3-Dichloropropene	10.69	75	194225	2.01	ppbv	97
46) cis-1,3-Dichloropropene	10.06	75	237594	2.09	ppbv	96
47) 1,1,2-Trichloroethane	10.92	97	167491	2.22	ppbv	98
48) Dibromochloromethane	11.84	129	246099	2.03	ppbv	100
49) Bromoform	14.86	173	197298	1.94	ppbv	99
50) 4-Methyl-2-Pentanone	10.13	43	297721	2.30	ppbv	99
51) 2-Hexanone	11.66	43	269837	2.23	ppbv #	98
52) Tetrachloroethene	12.83	164	166961	1.71	ppbv	98
53) Toluene	11.28	91	506633	2.18	ppbv	99
54) 1,2-Dibromoethane	12.18	107	257159	2.21	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.83	131	193074	1.99	ppbv #	1
57) Chlorobenzene	13.86	112	433167	2.22	ppbv	98
58) Ethyl Benzene	14.46	91	728946	2.20	ppbv	100
59) m/p-Xylene	14.76	91	569389	2.20	ppbv #	100
60) o-Xylene	15.54	91	602679	2.23	ppbv	100
61) Styrene	15.35	104	260529	2.14	ppbv	100
62) Isopropylbenzene	16.59	105	821158	2.19	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.53	83	415885	2.32	ppbv	100
64) n-propylbenzene	17.57	120	223570	2.17	ppbv	88
65) tert-Butylbenzene	18.86	119	761421	2.23	ppbv	100
66) Benzyl Chloride	19.15	91	244034	1.77	ppbv	98
67) sec-Butylbenzene	19.46	105	1074464	2.25	ppbv	99
69) p-Isopropyltoluene	19.84	119	887666	2.23	ppbv	99
70) n-Butylbenzene	20.80	91	851616	2.33	ppbv	98
71) 2-Chlorotoluene	17.47	91	614875	2.22	ppbv	100
72) 4-Ethyltoluene	17.86	105	690736	2.20	ppbv	100
73) 1,3,5-Trimethylbenzene	18.04	105	652339	2.23	ppbv	98
74) 1,2,4-Trimethylbenzene	18.88	105	694680	2.29	ppbv	99
75) 1,3-Dichlorobenzene	19.17	146	438428	2.22	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	443640	2.16	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	441241	2.22	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	183980	1.85	ppbv	99
79) Naphthalene	23.97	128	506193	1.95	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	87804	2.22	ppbv	99
81) 1,2,4-Trichlorobenzene	23.77	180	254516	2.02	ppbv	99

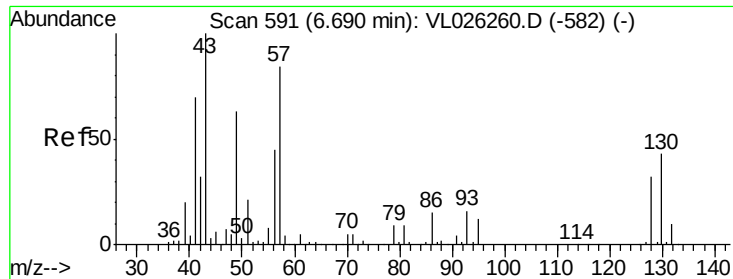
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Oct 29 11:00:51 2015
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QLast Update : Thu Oct 29 10:15:11 2015
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

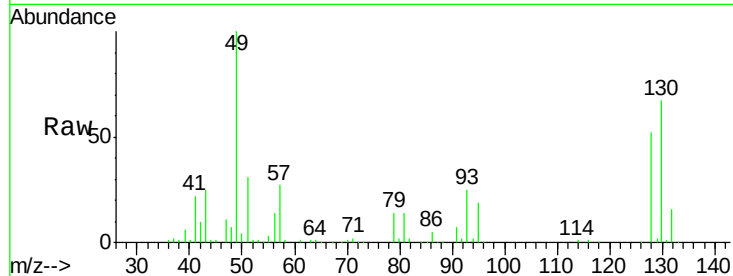
Tot Ion: 49 Resp: 596220

Ion Ratio Lower Upper

49 100

128 53.7 26.7 80.1

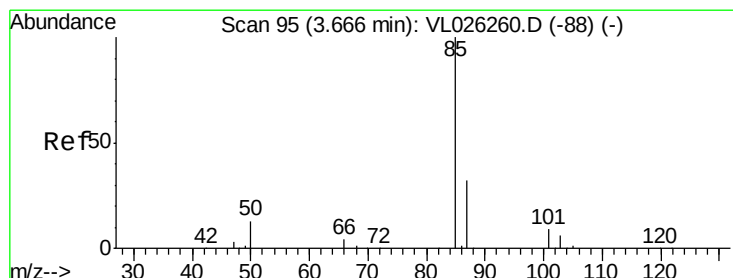
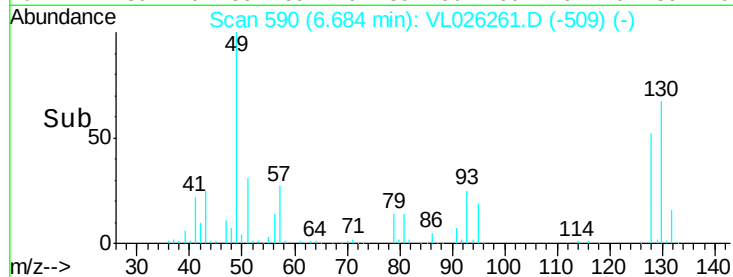
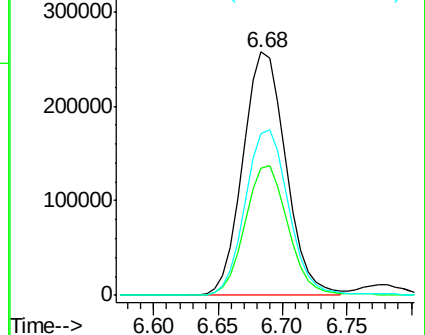
130 69.4 34.4 103.2



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: 2.10 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026261.D

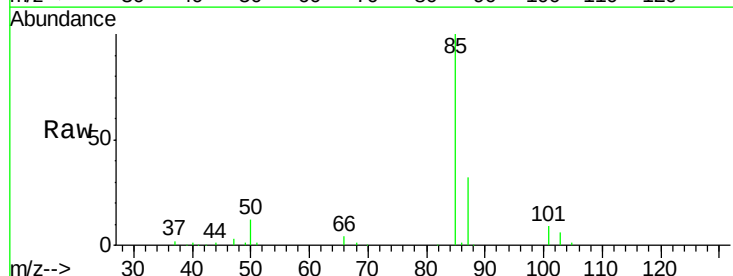
Acq: 29 Oct 2015 10:02

Tgt Ion: 85 Resp: 257111

Ion Ratio Lower Upper

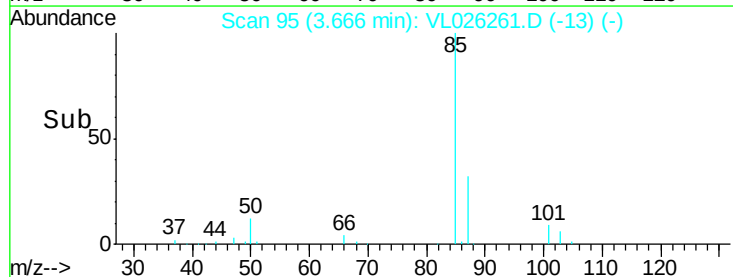
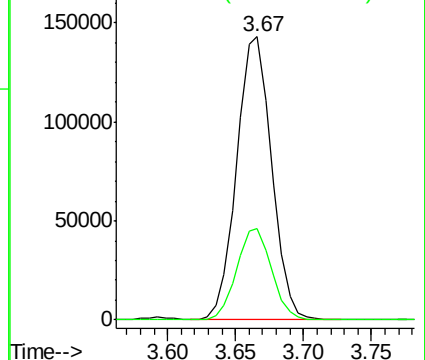
85 100

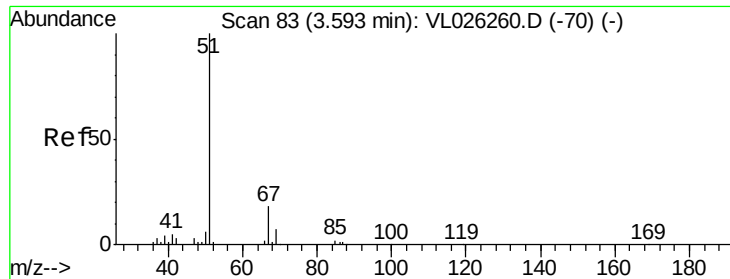
87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

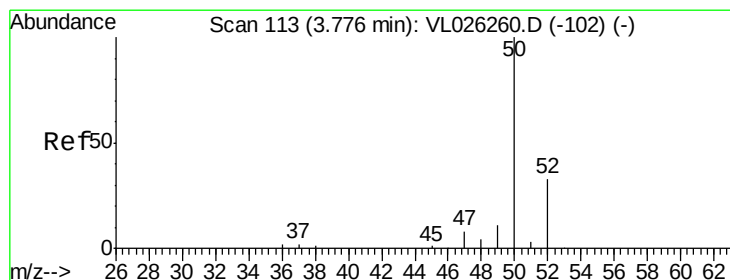
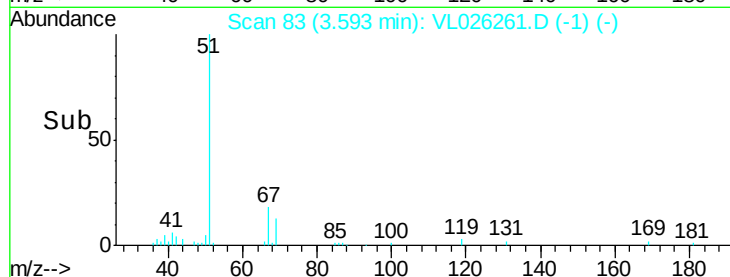
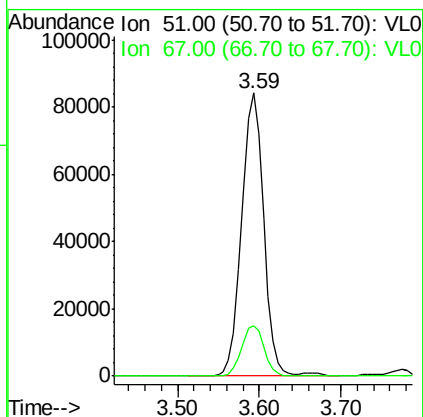
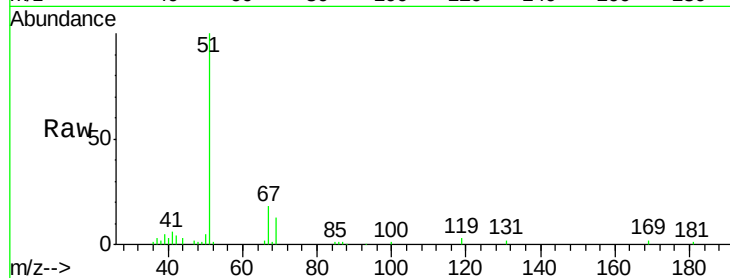




#3
 Chlorodifluoromethane
 Concen: 2.11 ppbv
 RT: 3.59 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

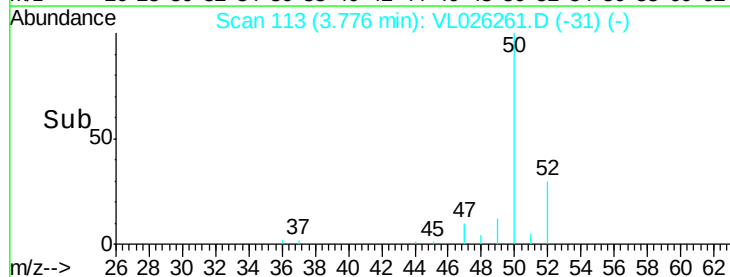
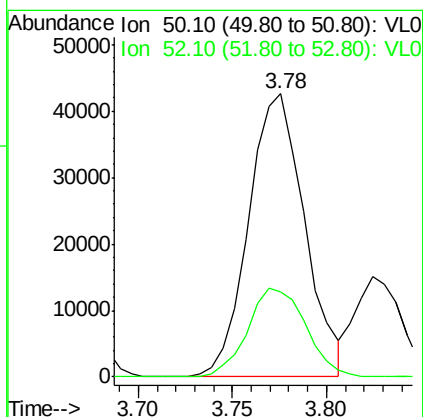
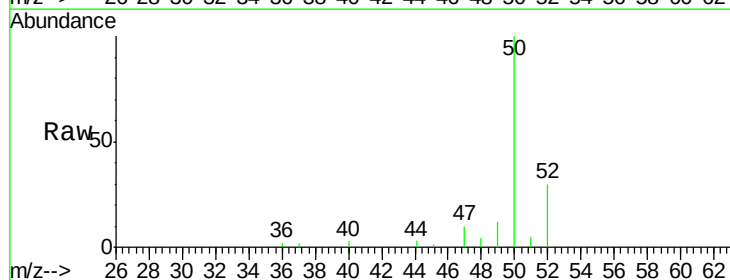
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

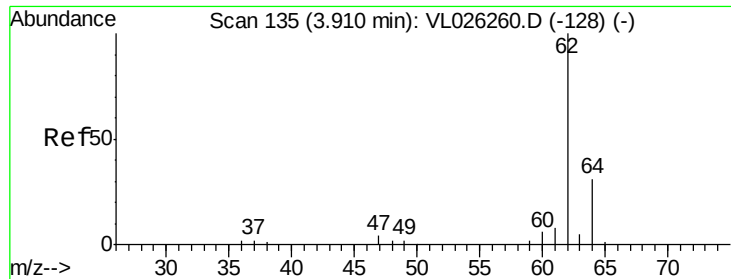
Tot Ion: 51 Resp: 158290
 Ion Ratio Lower Upper
 51 100
 67 17.8 14.5 21.7



#4
 Chloromethane
 Concen: 2.14 ppbv
 RT: 3.78 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 50 Resp: 87985
 Ion Ratio Lower Upper
 50 100
 52 30.0 26.1 39.1





#5

Vinyl Chloride

Concen: 2.06 ppbv

RT: 3.91 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

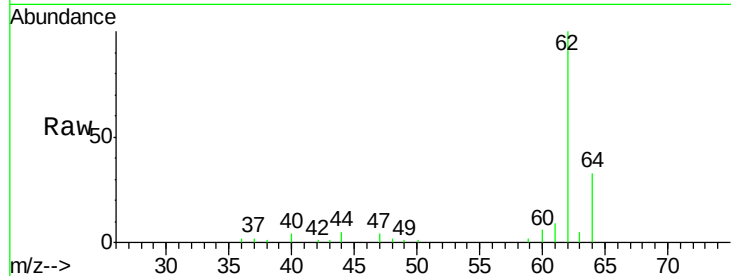
VSTDIC002

Tot Ion: 62 Resp: 88663

Ion Ratio Lower Upper

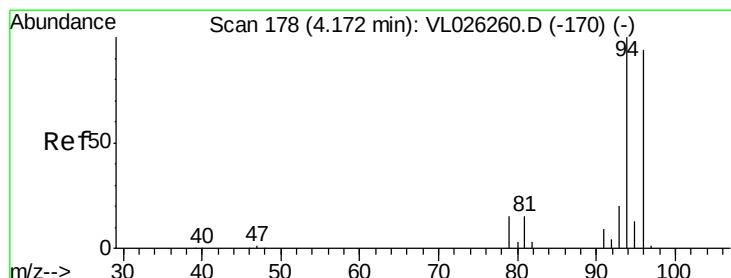
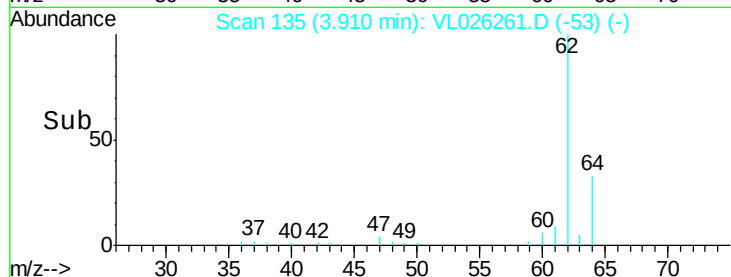
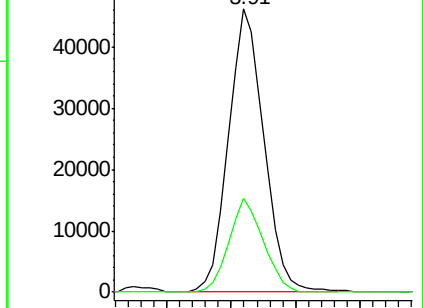
62 100

64 33.0 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.06 ppbv

RT: 4.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VL026261.D

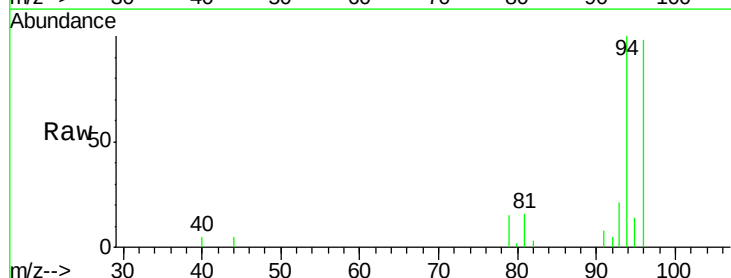
Acq: 29 Oct 2015 10:02

Tgt Ion: 94 Resp: 63465

Ion Ratio Lower Upper

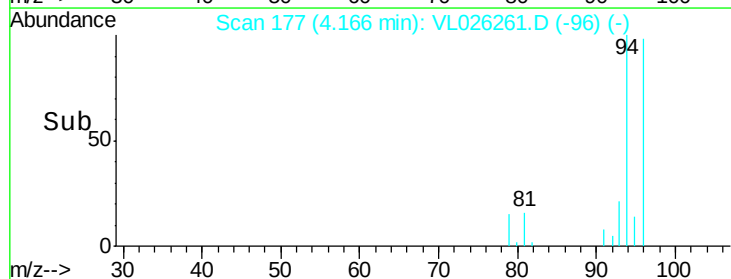
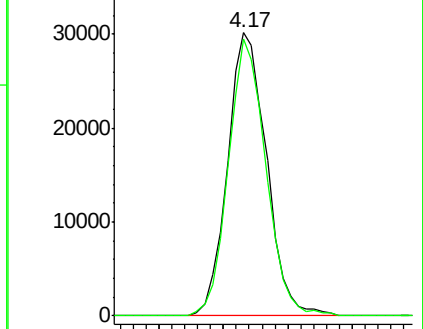
94 100

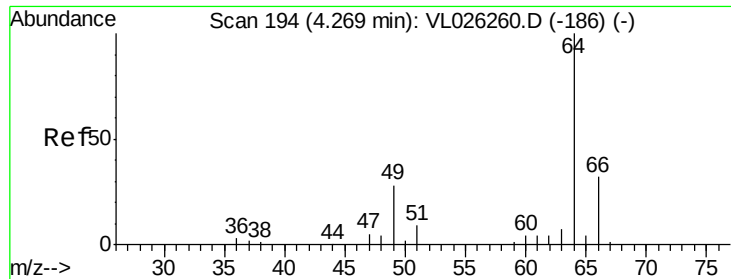
96 97.7 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.09 ppbv

RT: 4.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

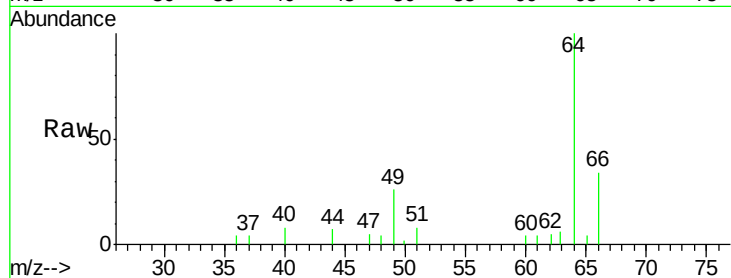
VSTDIC002

Tot Ion: 64 Resp: 37827

Ion Ratio Lower Upper

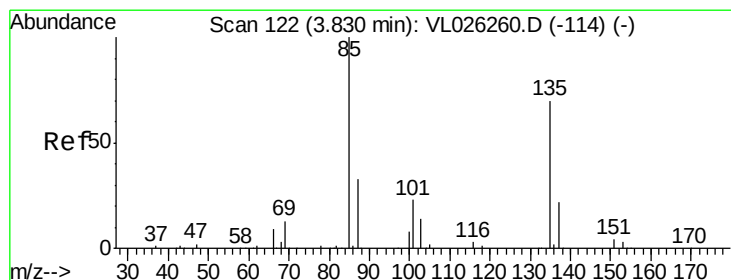
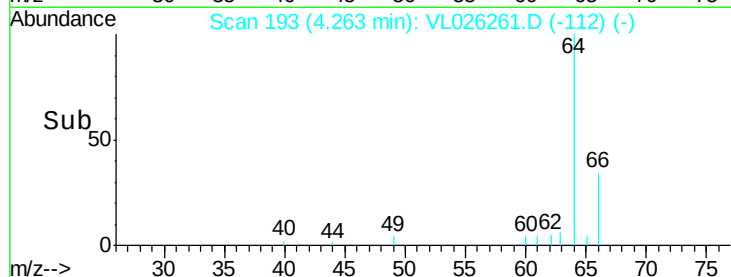
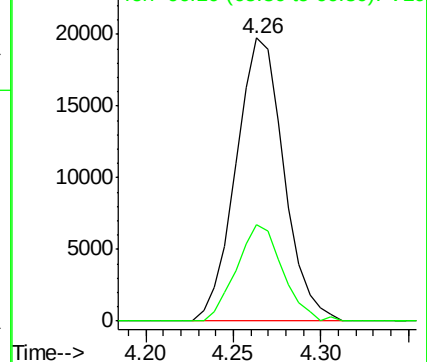
64 100

66 34.3 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: 2.14 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026261.D

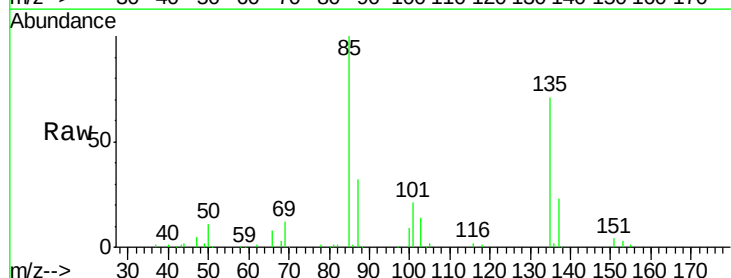
Acq: 29 Oct 2015 10:02

Tgt Ion: 85 Resp: 226203

Ion Ratio Lower Upper

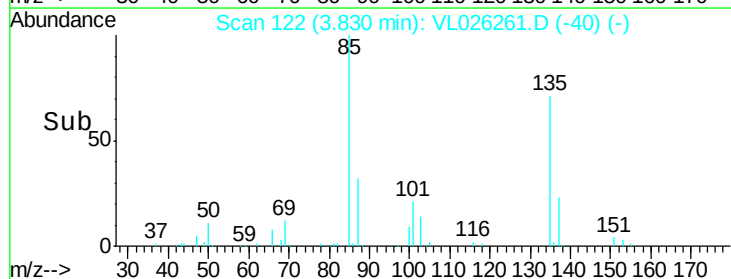
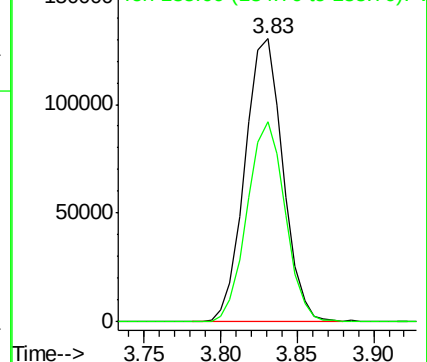
85 100

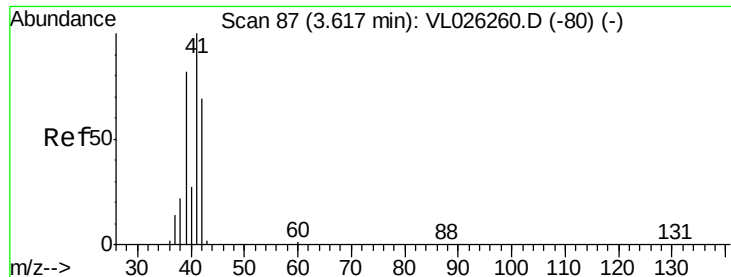
135 70.4 56.6 84.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 2.12 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL026261.D

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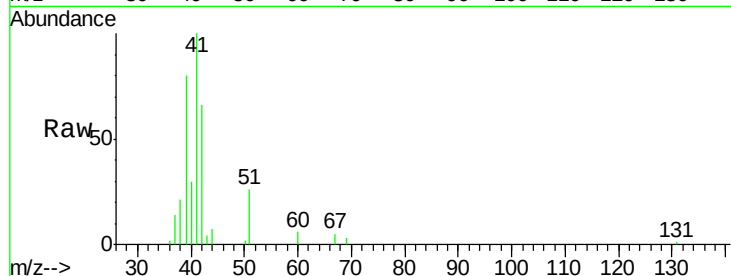
VSTDIC002

Tot Ion: 41 Resp: 75476

Ion Ratio Lower Upper

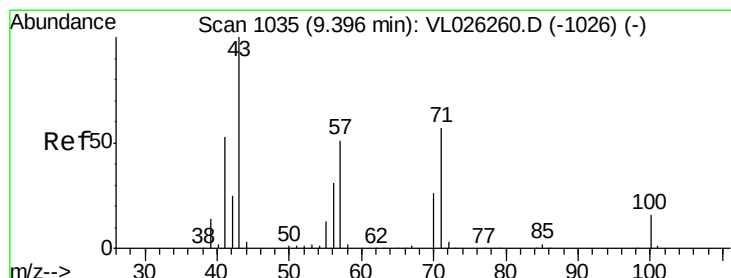
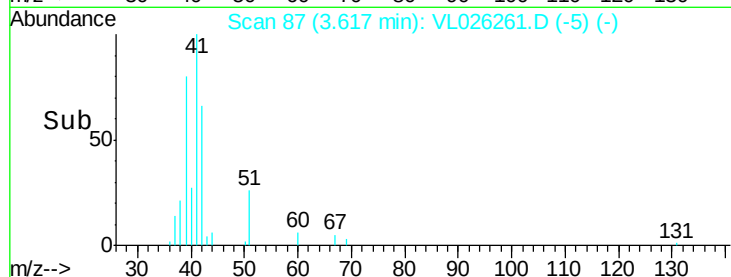
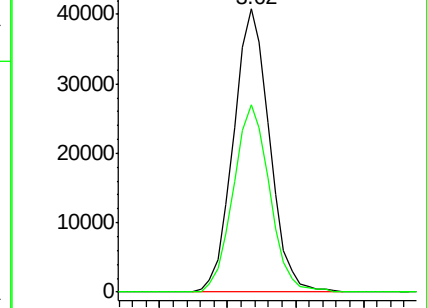
41 100

42 66.2 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: 2.17 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026261.D

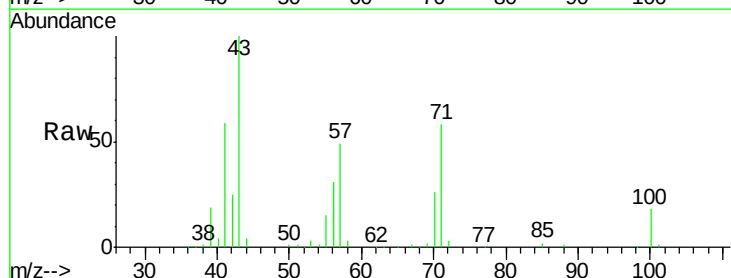
Acq: 29 Oct 2015 10:02

Tgt Ion: 43 Resp: 258374

Ion Ratio Lower Upper

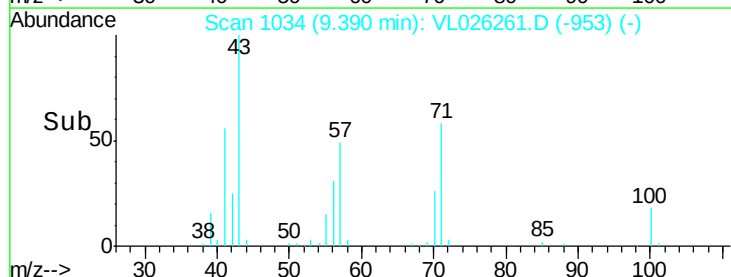
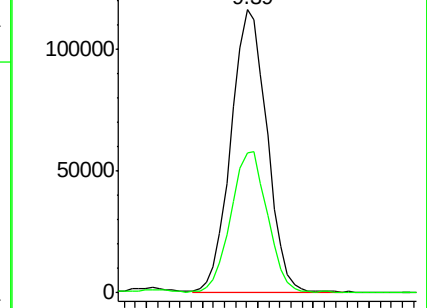
43 100

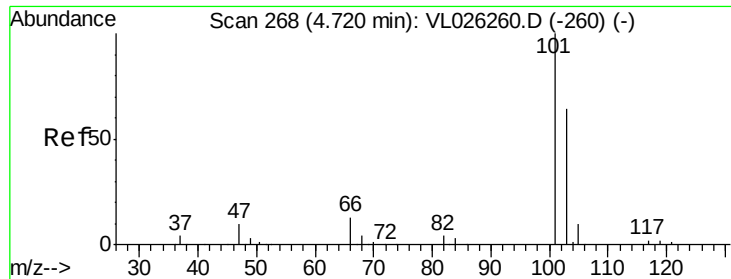
57 53.1 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 2.07 ppbv

RT: 4.72 min Scan# 268

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

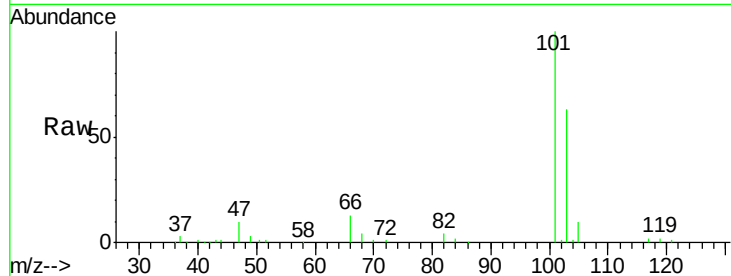
VSTDIC002

Tot Ion:101 Resp: 247509

Ion Ratio Lower Upper

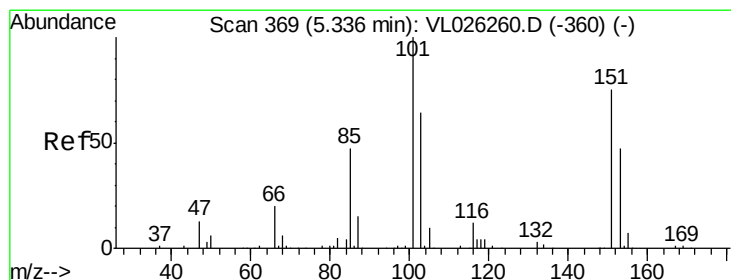
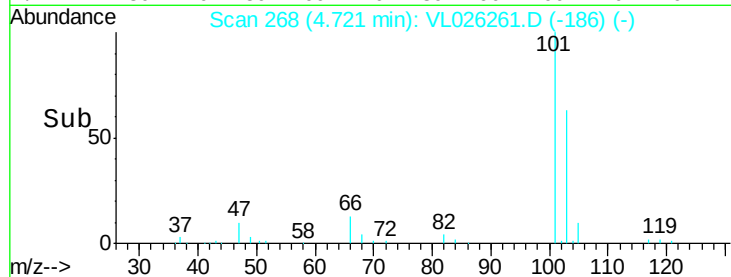
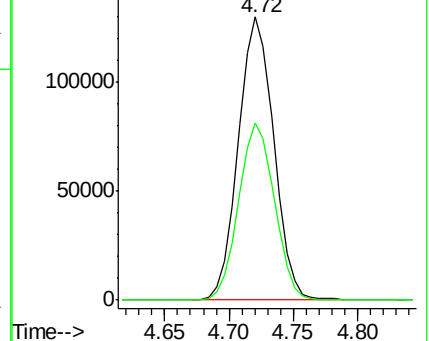
101 100

103 62.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.03 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL026261.D

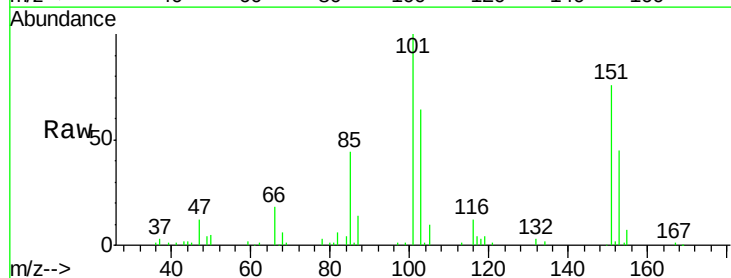
Acq: 29 Oct 2015 10:02

Tgt Ion:101 Resp: 165356

Ion Ratio Lower Upper

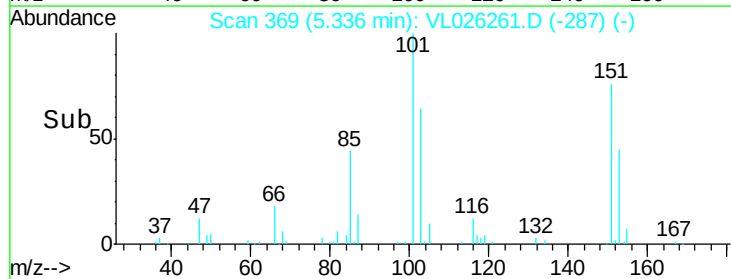
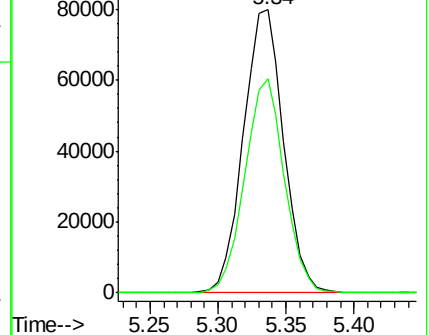
101 100

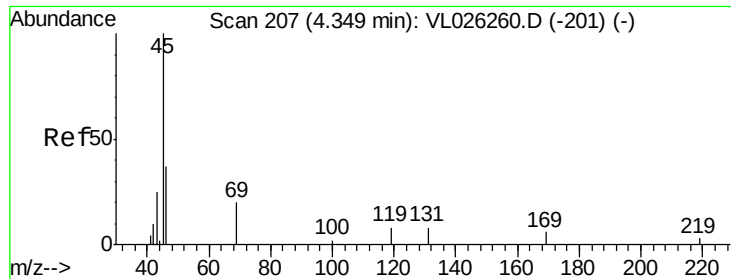
151 74.4 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 2.65 ppbv

RT: 4.37 min Scan# 210

Delta R.T. 0.02 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

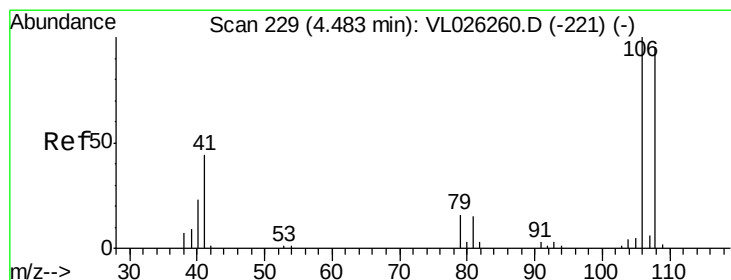
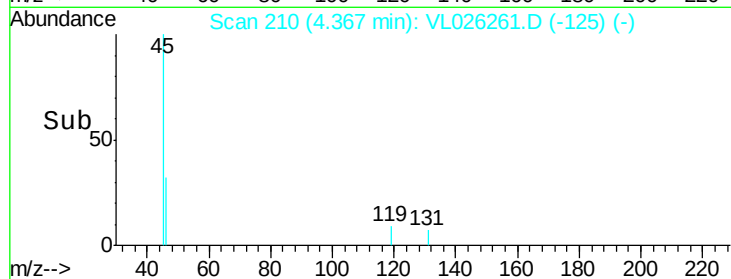
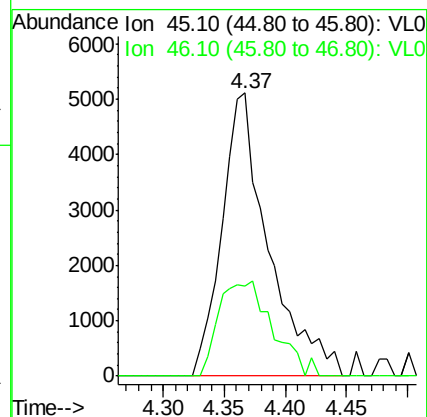
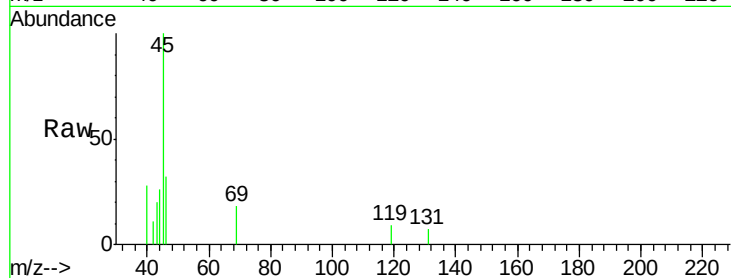
VSTDIC002

Tot Ion: 45 Resp: 13549

Ion Ratio Lower Upper

45 100

46 38.7 17.0 68.0



#14

Bromoethene

Concen: 2.01 ppbv

RT: 4.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

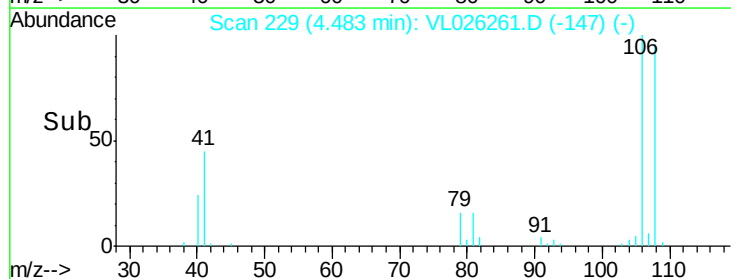
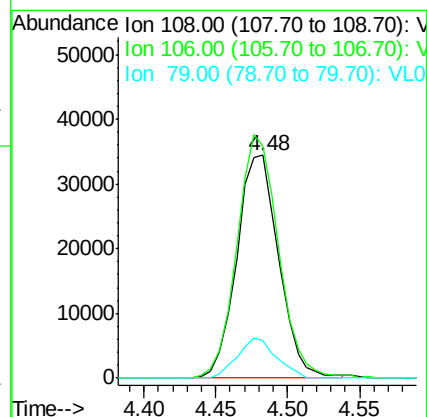
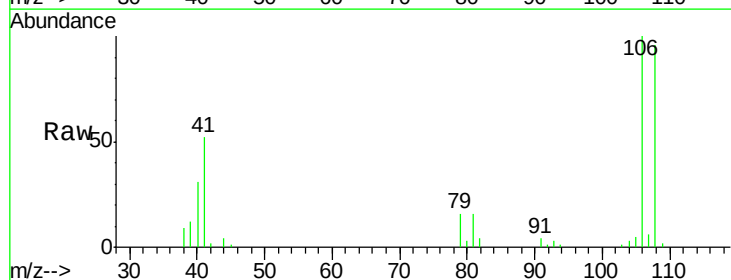
Tgt Ion: 108 Resp: 69873

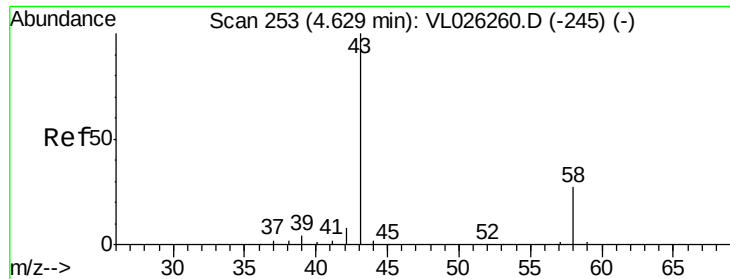
Ion Ratio Lower Upper

108 100

106 108.2 85.4 128.0

79 16.5 13.5 20.3





#15

Acetone

Concen: 1.91 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

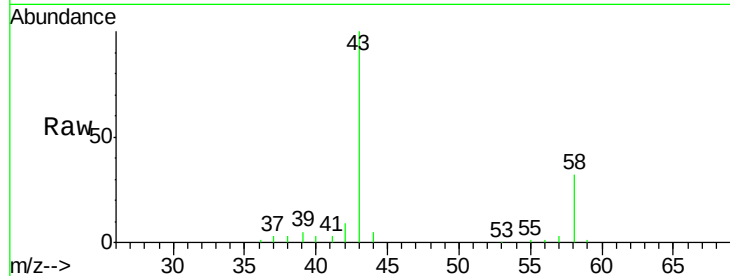
VSTDIC002

Tot Ion: 43 Resp: 166143

Ion Ratio Lower Upper

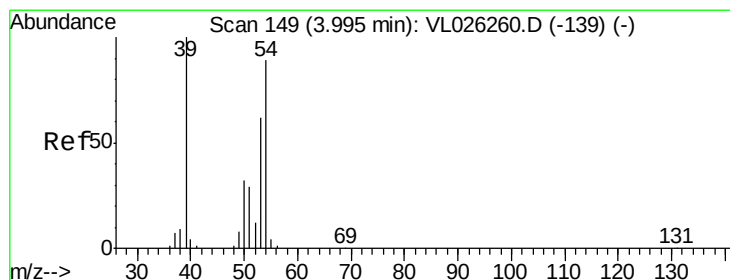
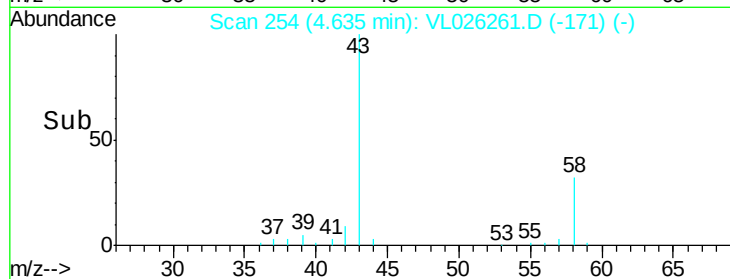
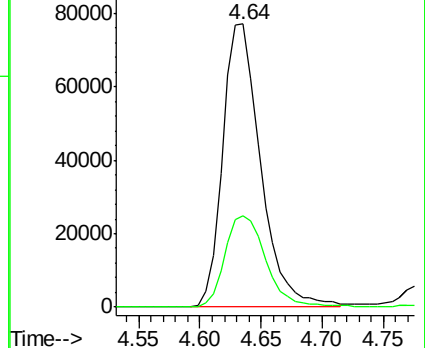
43 100

58 34.6 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: 2.07 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026261.D

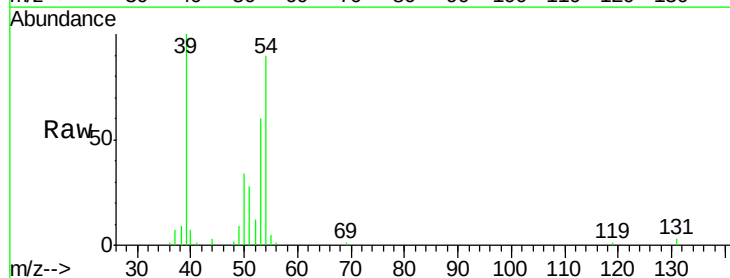
Acq: 29 Oct 2015 10:02

Tgt Ion: 39 Resp: 81249

Ion Ratio Lower Upper

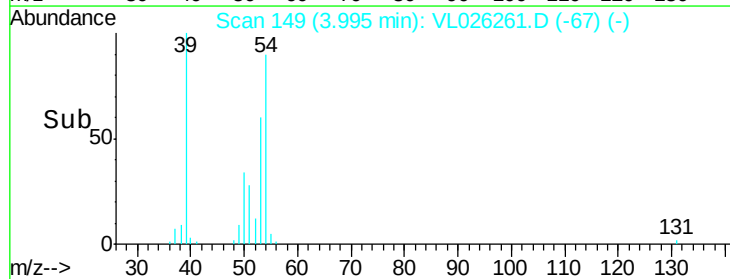
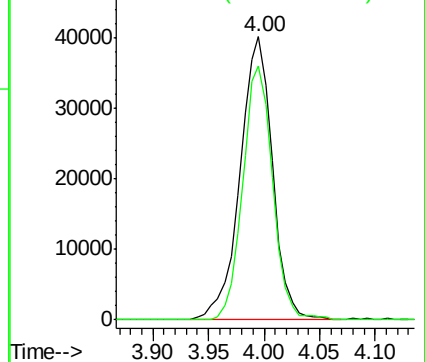
39 100

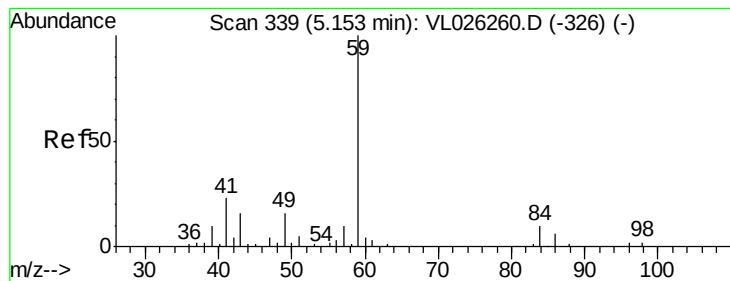
54 82.6 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 2.02 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

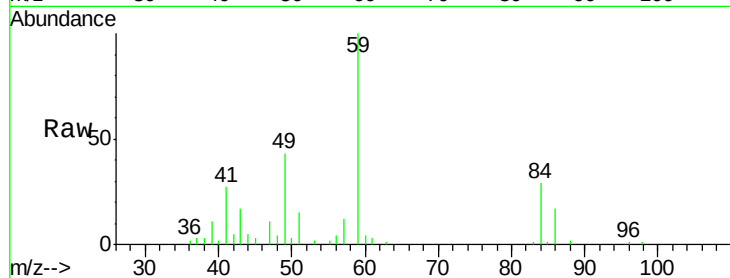
VSTDIC002

Tot Ion: 59 Resp: 117858

Ion Ratio Lower Upper

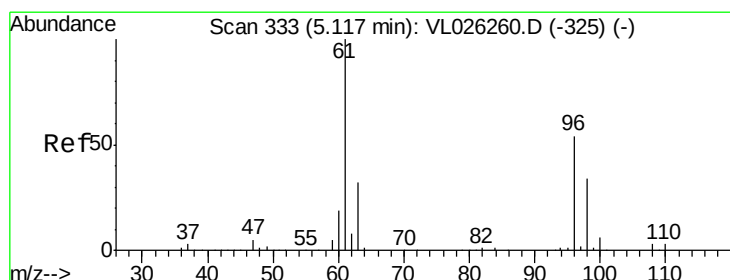
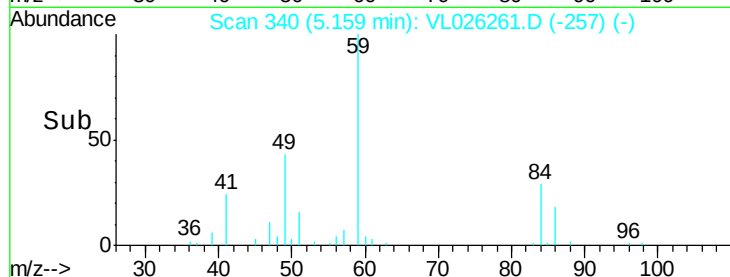
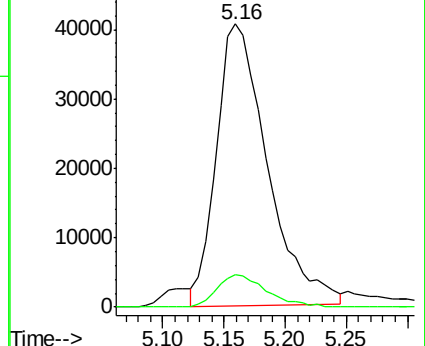
59 100

57 11.1 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 2.01 ppbv

RT: 5.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

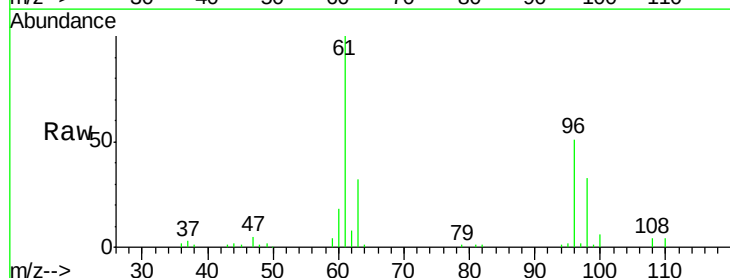
Tgt Ion: 96 Resp: 74513

Ion Ratio Lower Upper

96 100

61 195.5 147.0 220.4

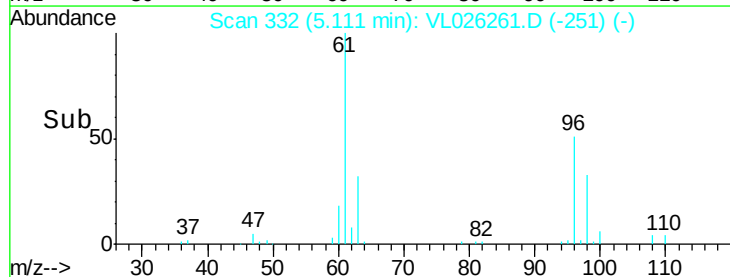
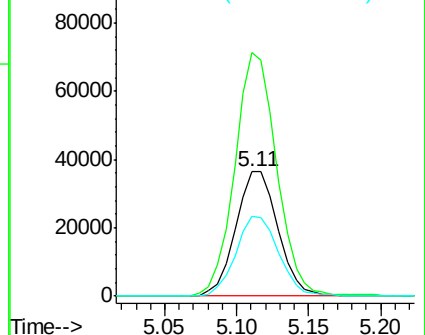
98 64.1 50.1 75.1

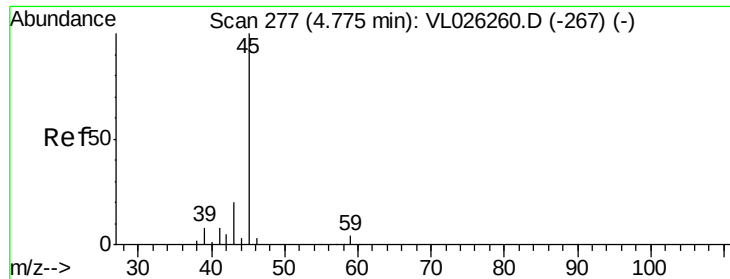


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



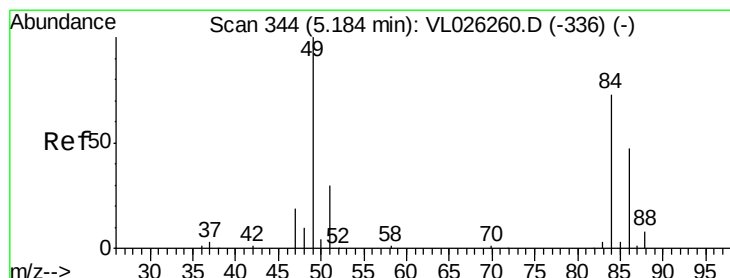
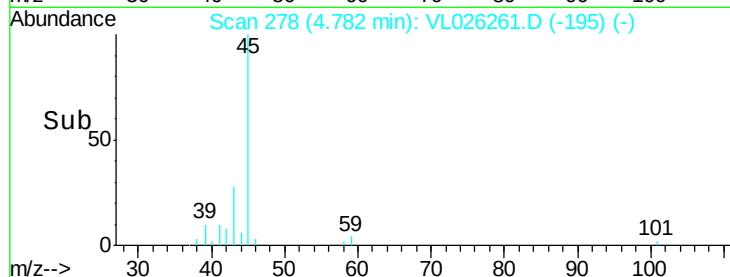
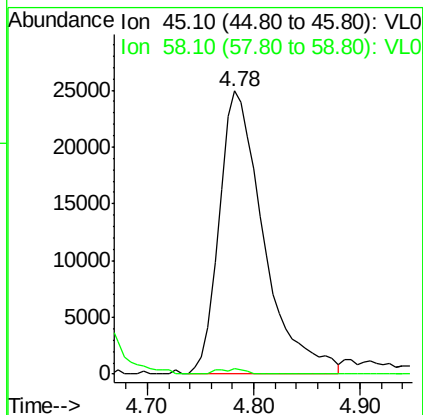
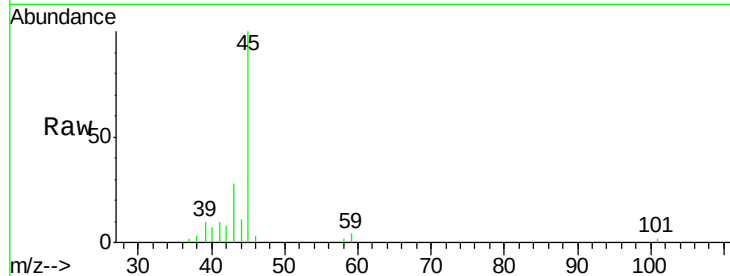


#19

Isopropyl Alcohol
 Concen: 2.17 ppbv
 RT: 4.78 min Scan# 278
 Delta R.T. 0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC002

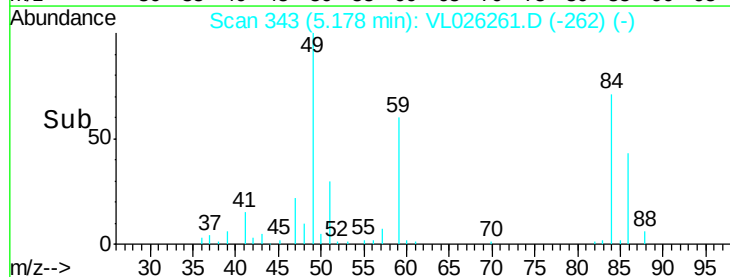
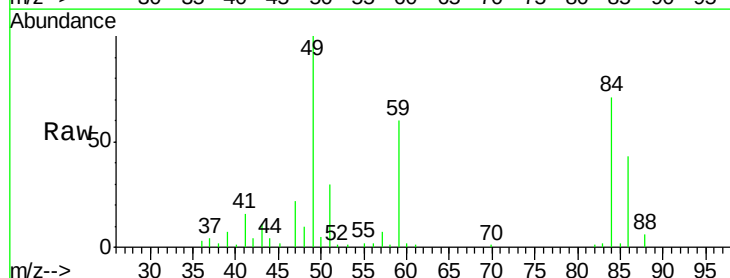
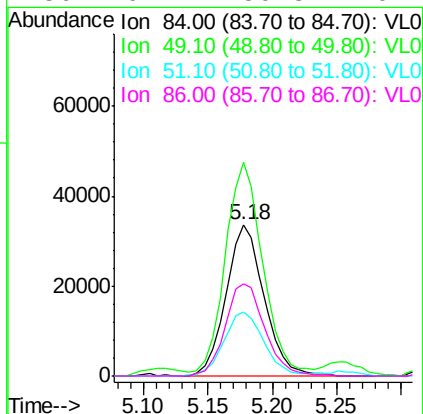
Tot Ion: 45 Resp: 72777
 Ion Ratio Lower Upper
 45 100
 58 79.0 43.8 65.8#

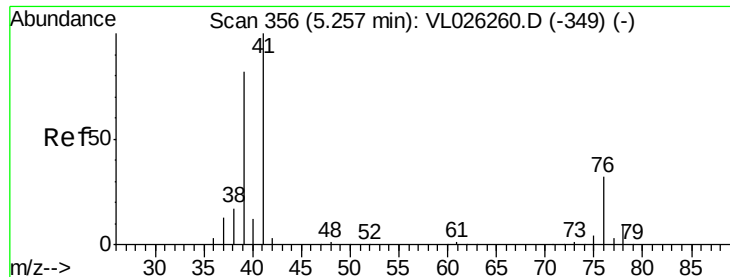


#20

Methylene Chloride
 Concen: 2.01 ppbv
 RT: 5.18 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 84 Resp: 69568
 Ion Ratio Lower Upper
 84 100
 49 138.8 109.0 163.4
 51 41.8 32.8 49.2
 86 61.4 50.8 76.2





#21

Allvl Chloride

Concen: 1.94 ppbv

RT: 5.26 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

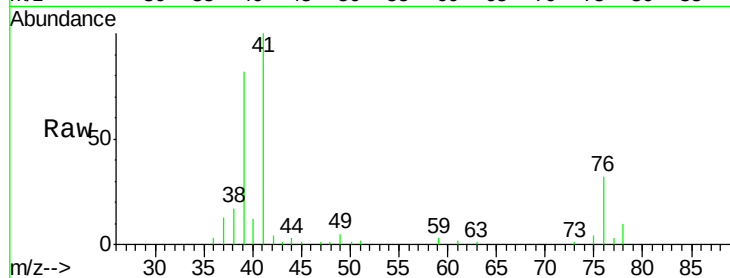
Tot Ion: 41 Resp: 110478

Ion Ratio Lower Upper

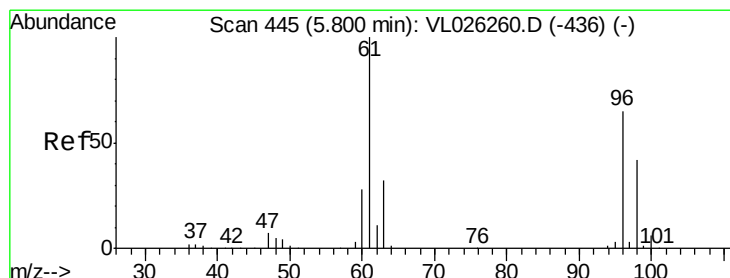
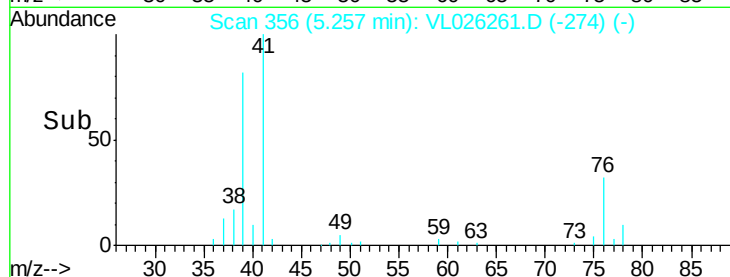
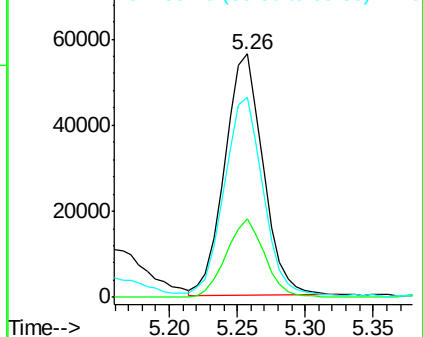
41 100

76 32.2 25.9 38.9

39 83.6 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: 2.17 ppbv

RT: 5.79 min Scan# 444

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

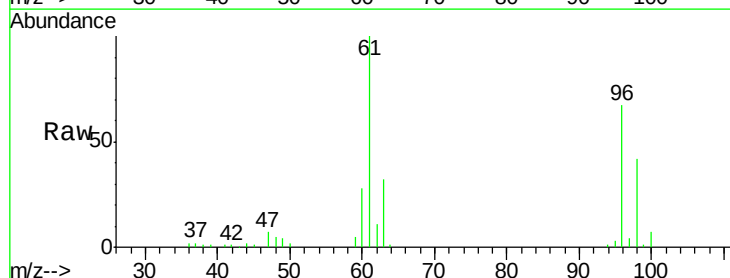
Tgt Ion: 96 Resp: 104377

Ion Ratio Lower Upper

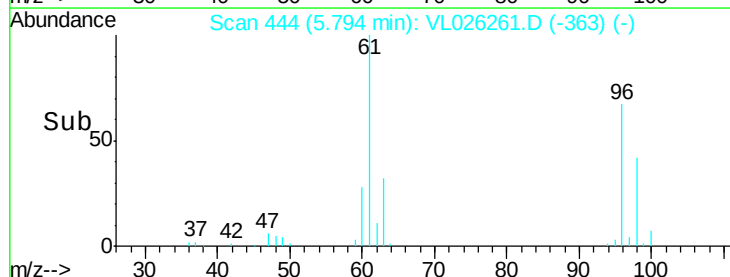
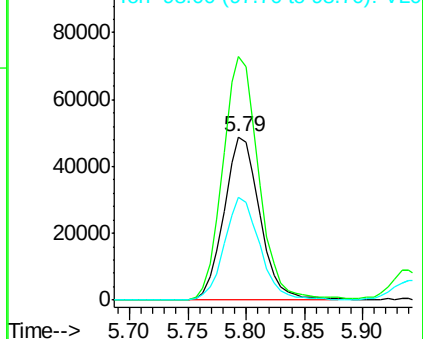
96 100

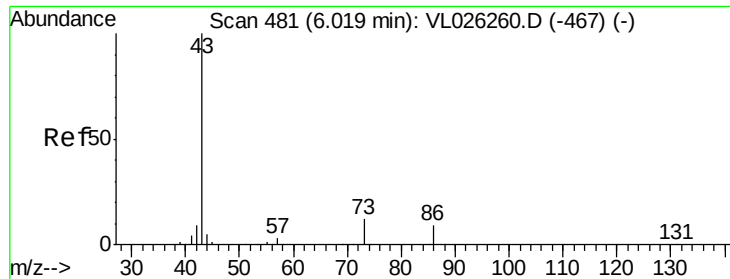
61 148.9 123.2 184.8

98 63.1 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

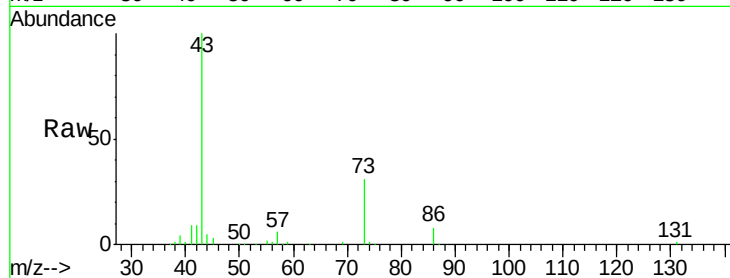




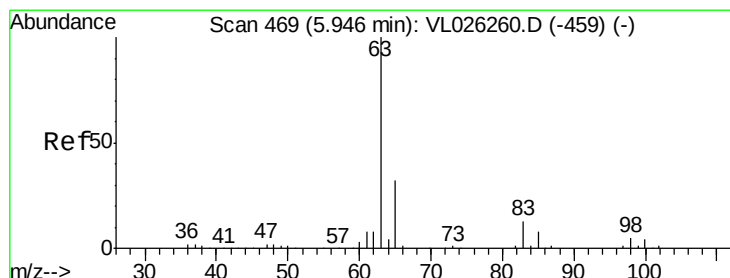
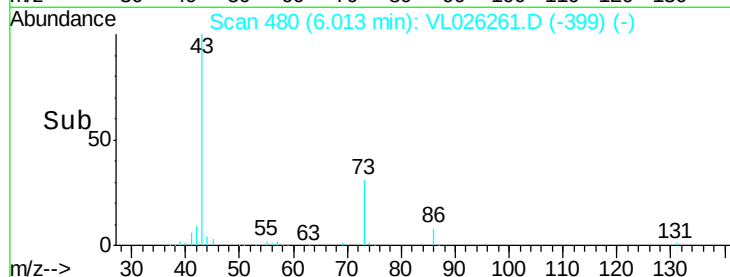
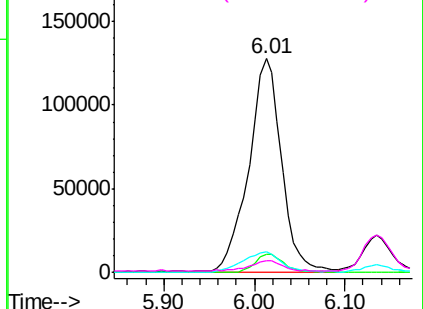
#23
 Vinyl Acetate
 Concen: 1.98 ppbv
 RT: 6.01 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	43	Resp:	318667
Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.3	10.9
42	9.4	7.2	10.8
44	4.7	3.8	5.8

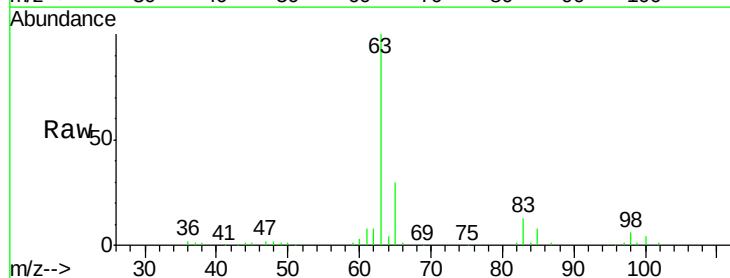


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

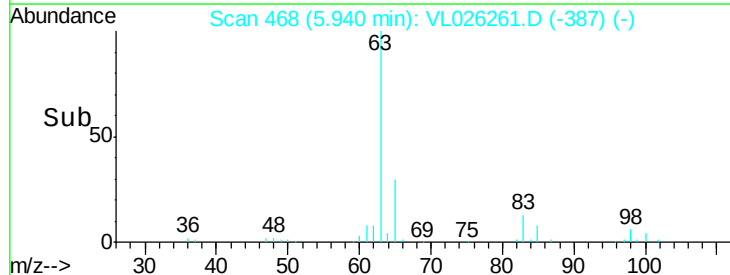
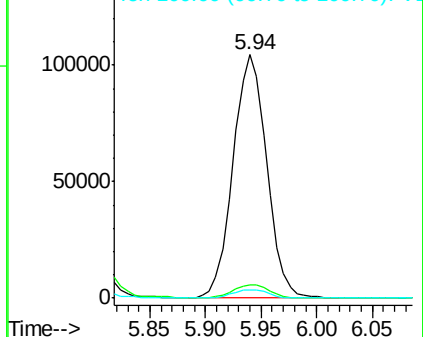


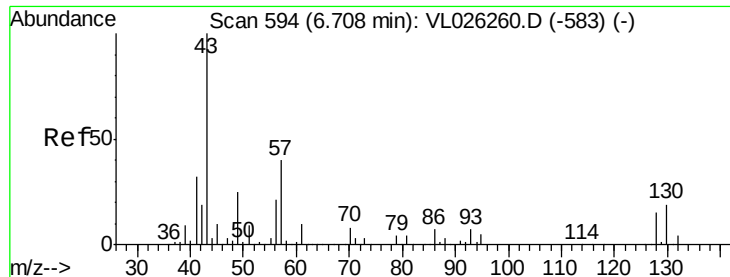
#24
 1,1-Dichloroethane
 Concen: 2.15 ppbv
 RT: 5.94 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion:	63	Resp:	219102
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.7	8.1
100	3.6	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: 2.12 ppbv

RT: 6.70 min Scan# 593

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 347218

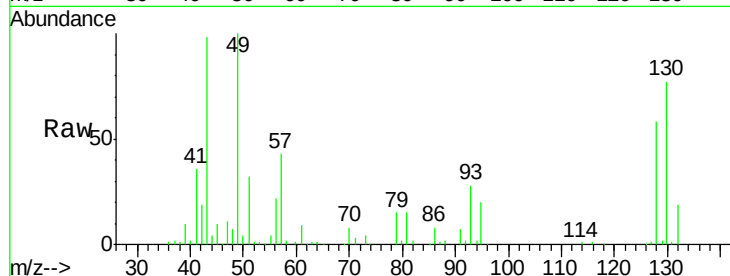
Ion Ratio Lower Upper

43 100

45 9.5 7.6 11.4

61 9.5 7.4 11.2

70 8.4 6.7 10.1

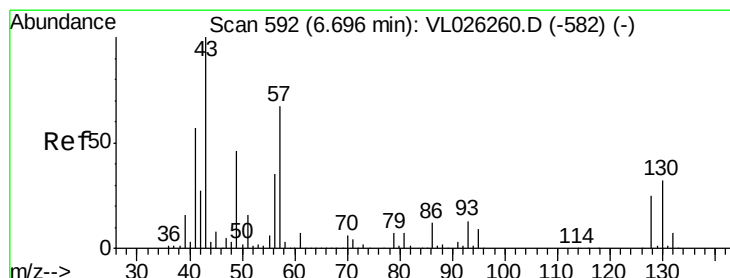
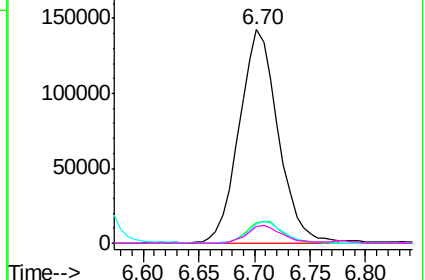
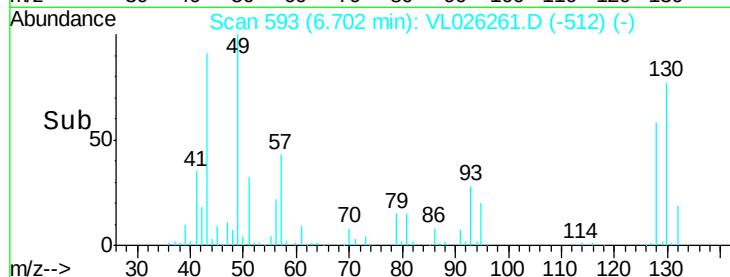


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.09 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Tgt Ion: 57 Resp: 171450

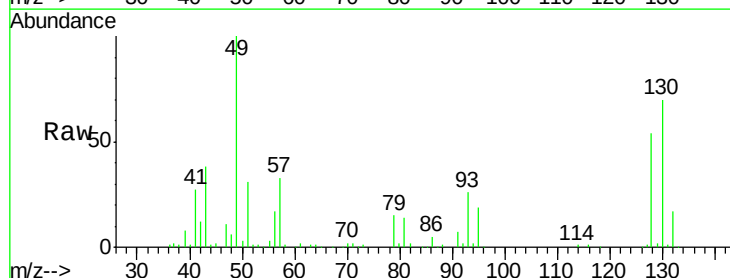
Ion Ratio Lower Upper

57 100

41 83.9 67.4 101.2

43 207.9 163.9 245.9

56 52.5 42.2 63.2

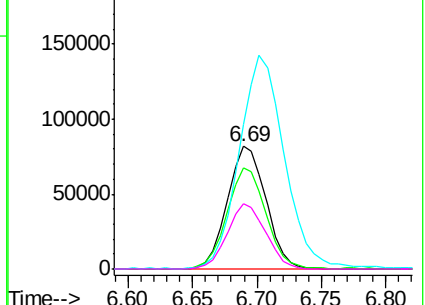
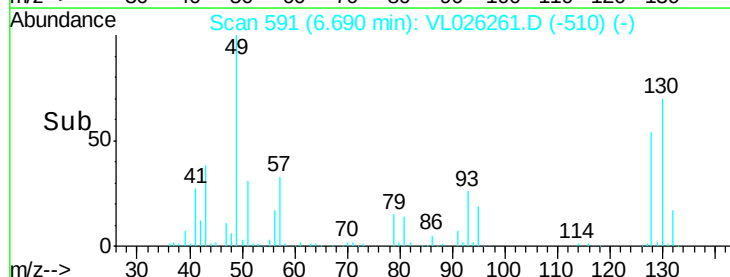


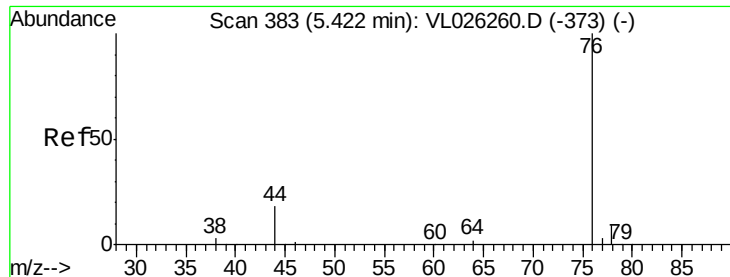
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 1.90 ppbv

RT: 5.42 min Scan# 383

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

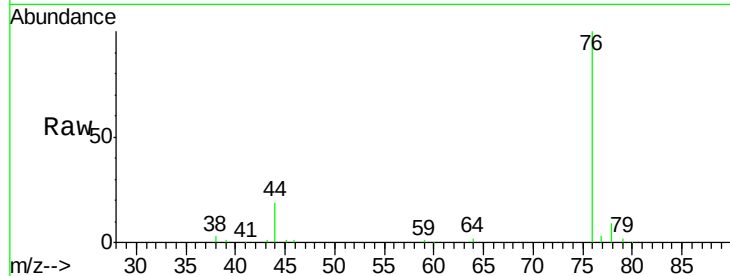
Tot Ion: 76 Resp: 196877

Ion Ratio Lower Upper

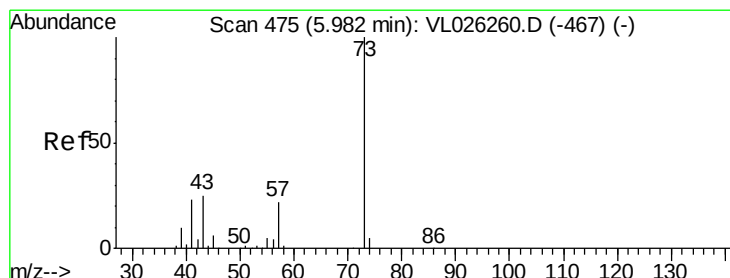
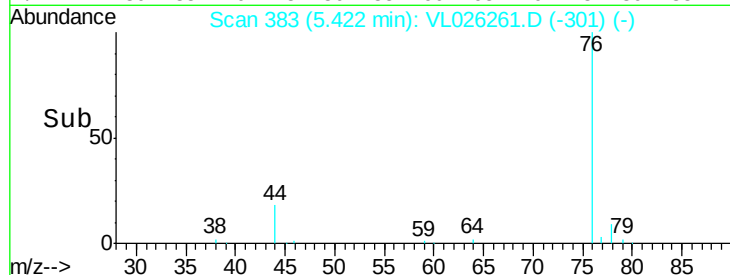
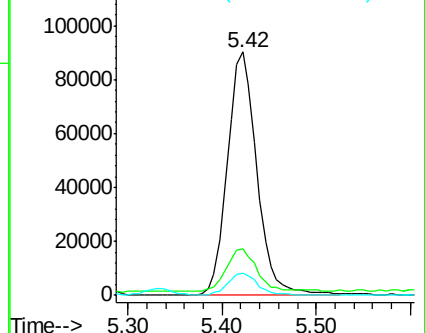
76 100

44 18.1 14.1 21.1

78 9.2 7.4 11.0



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: 2.02 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL026261.D

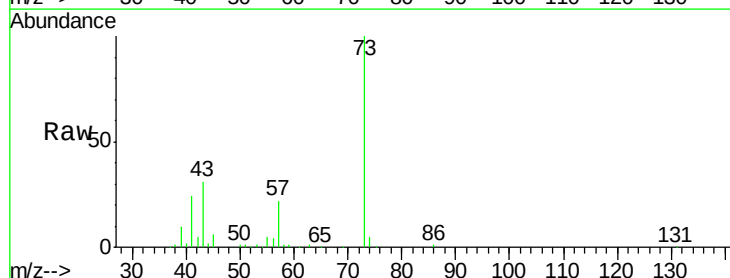
Acq: 29 Oct 2015 10:02

Tgt Ion: 73 Resp: 299181

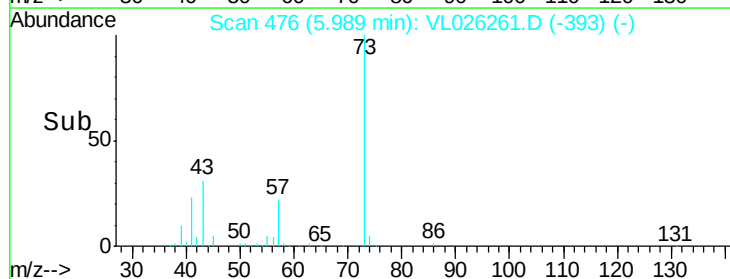
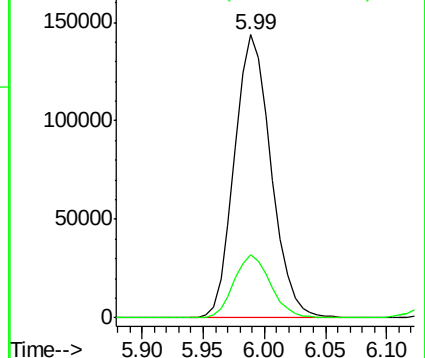
Ion Ratio Lower Upper

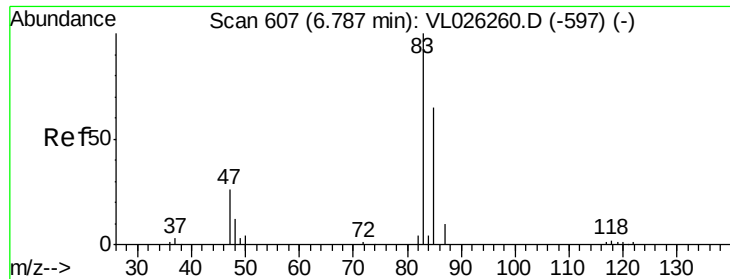
73 100

57 22.3 17.8 26.6



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

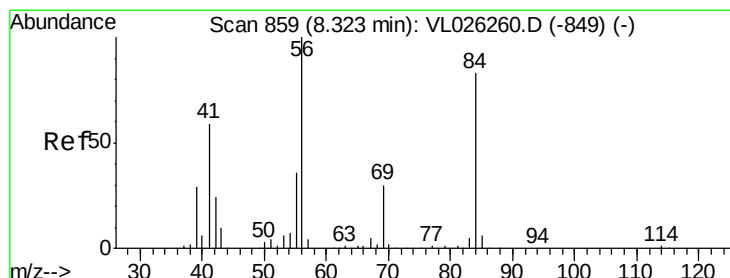
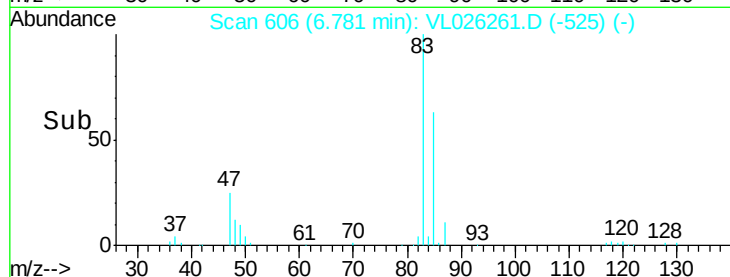
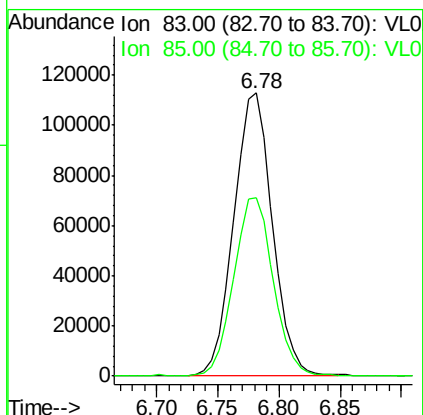
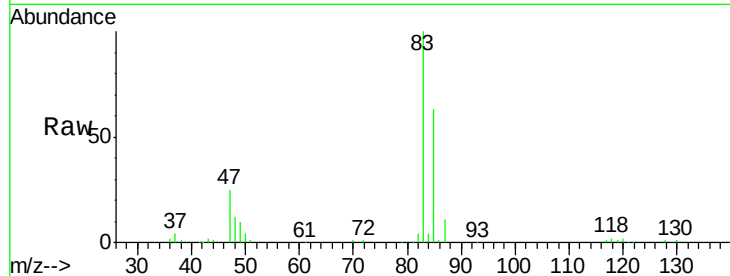




#29
Chloroform
Concen: 2.09 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

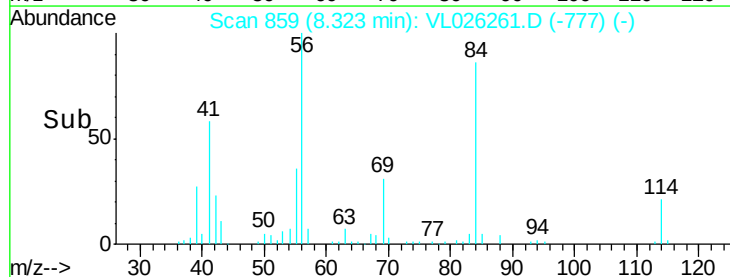
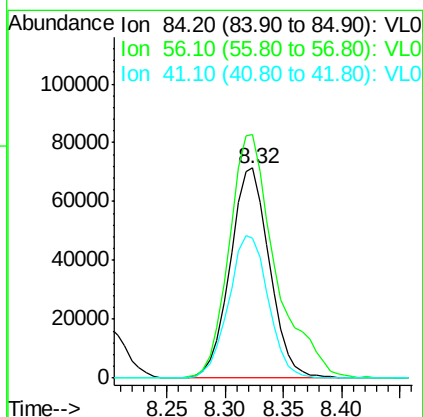
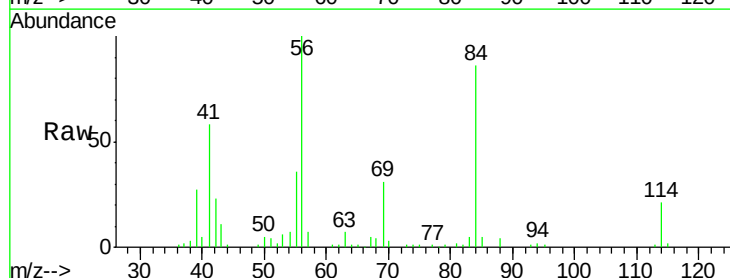
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

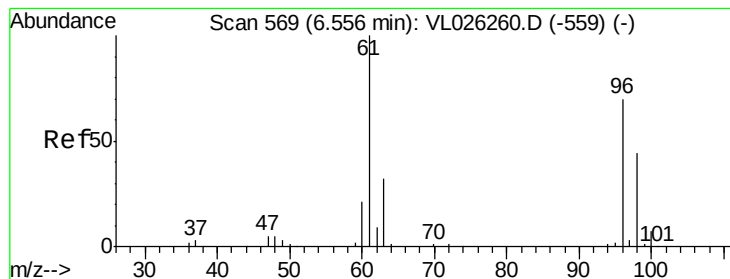
Tot Ion: 83 Resp: 247443
Ion Ratio Lower Upper
83 100
85 63.2 52.0 78.0



#30
Cyclohexane
Concen: 2.06 ppbv
RT: 8.32 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

Tgt Ion: 84 Resp: 168406
Ion Ratio Lower Upper
84 100
56 136.4 99.6 149.4
41 68.1 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 2.09 ppbv

RT: 6.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

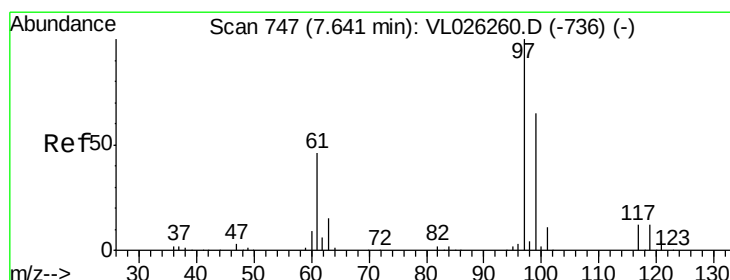
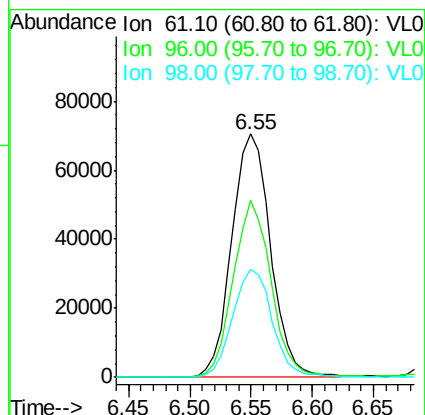
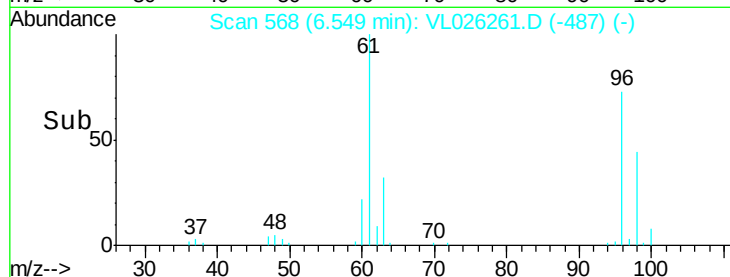
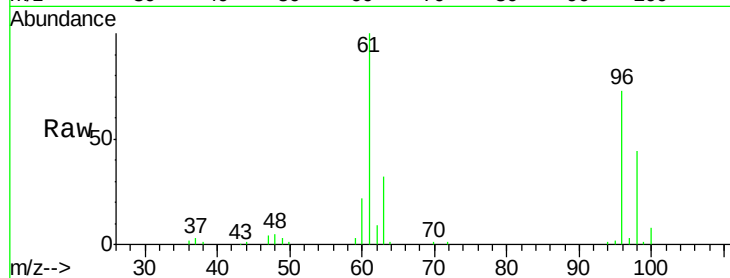
Tot Ion: 61 Resp: 155405

Ion Ratio Lower Upper

61 100

96 72.5 56.2 84.4

98 44.2 35.4 53.2



#32

1,1,1-Trichloroethane

Concen: 1.88 ppbv

RT: 7.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

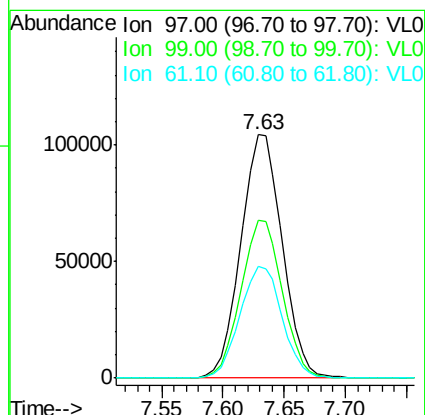
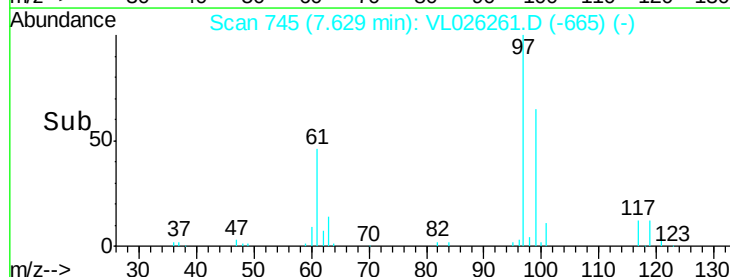
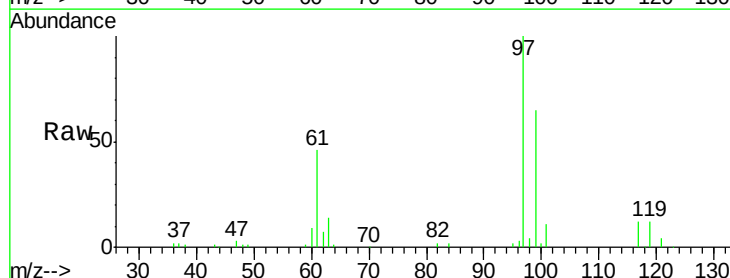
Tgt Ion: 97 Resp: 245512

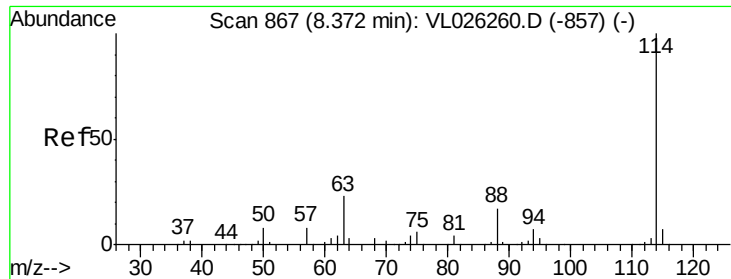
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

61 46.7 37.1 55.7

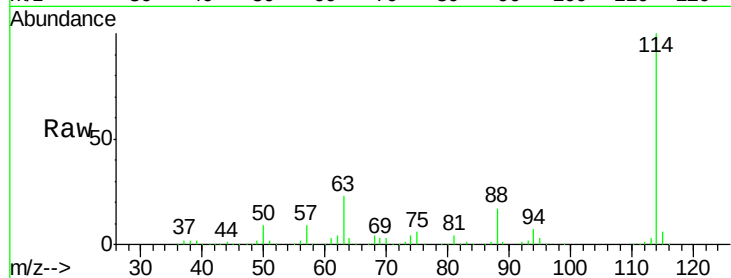




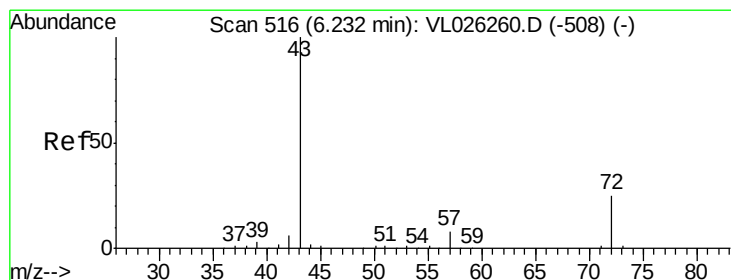
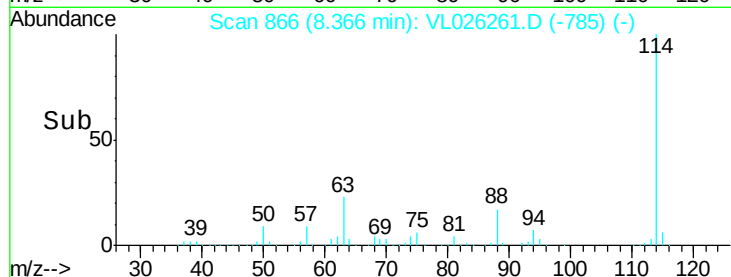
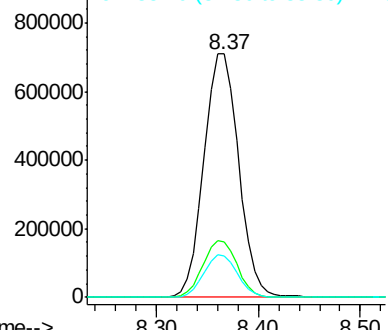
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 1679949
 Ion Ratio Lower Upper
 114 100
 63 23.1 18.6 28.0
 88 17.0 13.4 20.2

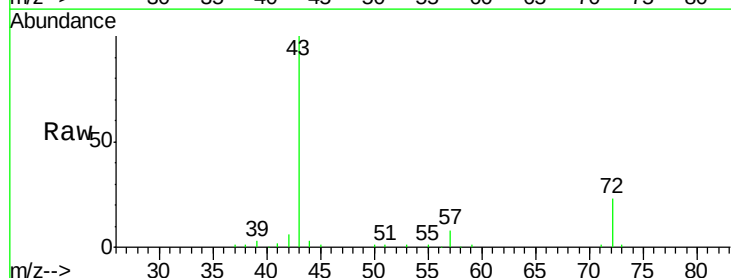


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

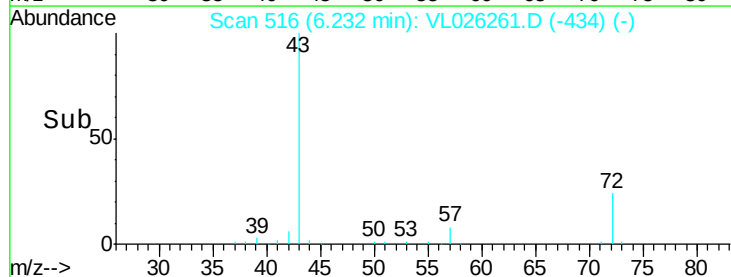
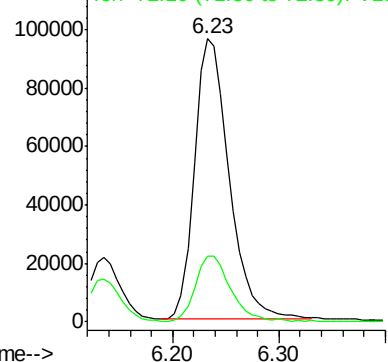


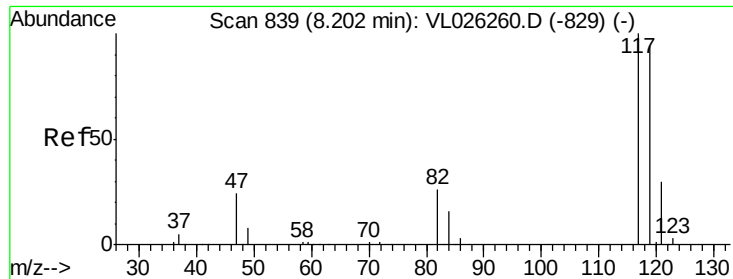
#34
 2-Butanone
 Concen: 2.26 ppbv
 RT: 6.23 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 43 Resp: 217482
 Ion Ratio Lower Upper
 43 100
 72 24.5 19.9 29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.97 ppbv

RT: 8.20 min Scan# 839

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

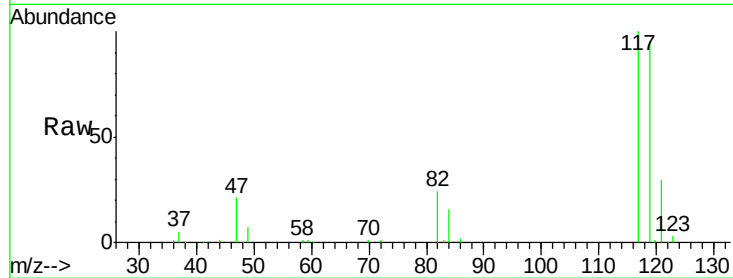
Tot Ion:117 Resp: 250319

Ion Ratio Lower Upper

117 100

119 95.1 75.2 112.8

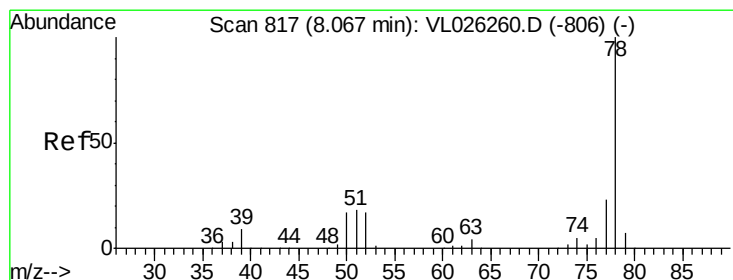
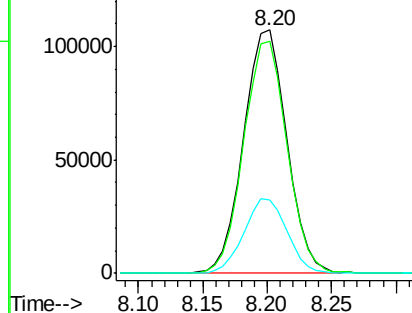
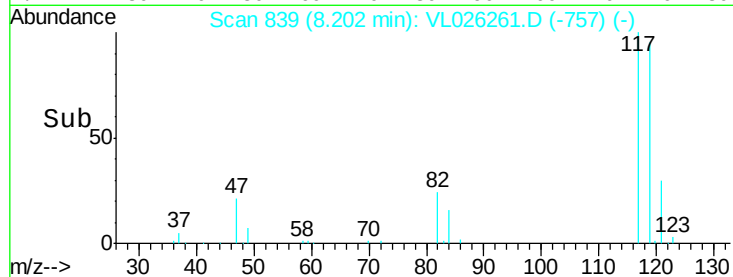
121 30.0 24.2 36.2



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: 2.22 ppbv

RT: 8.06 min Scan# 816

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

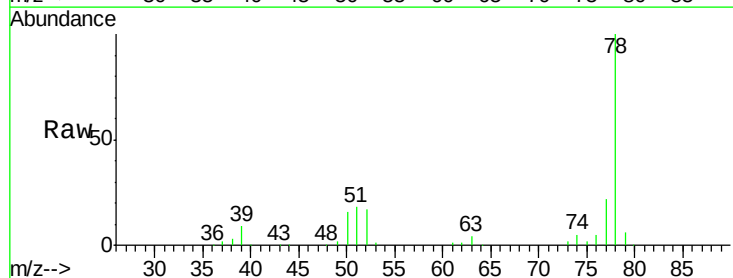
Tgt Ion: 78 Resp: 381817

Ion Ratio Lower Upper

78 100

77 21.8 18.0 27.0

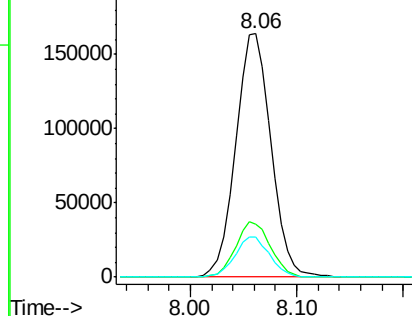
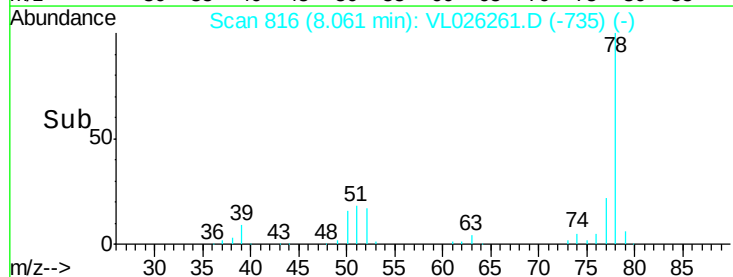
50 16.2 13.3 19.9

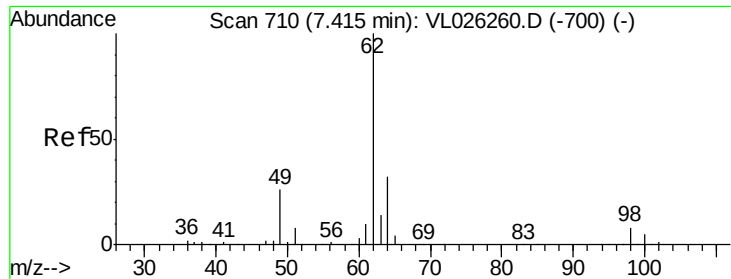


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

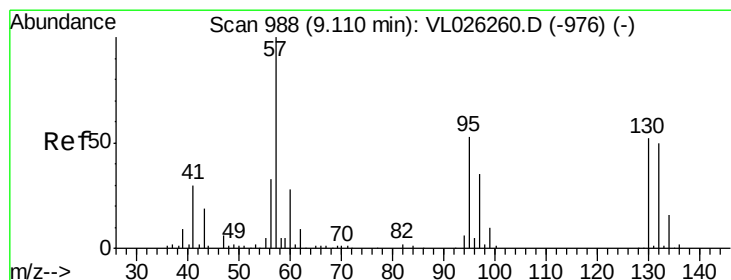
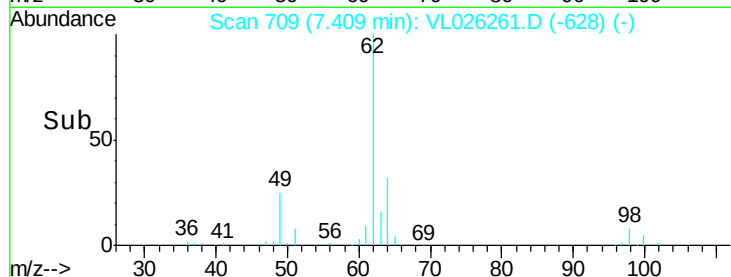
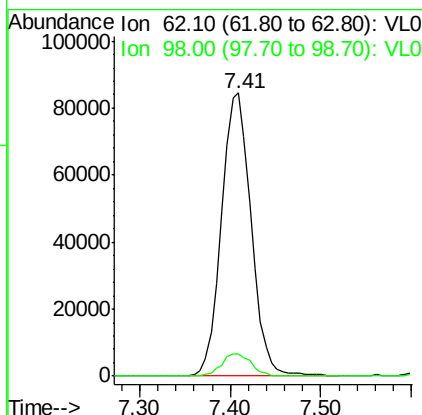
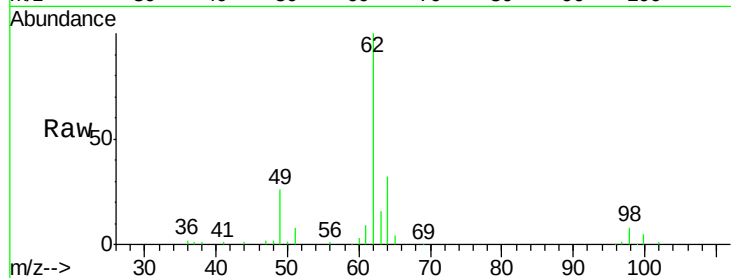




#37
 1,2-Dichloroethane
 Concen: 2.19 ppbv
 RT: 7.41 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

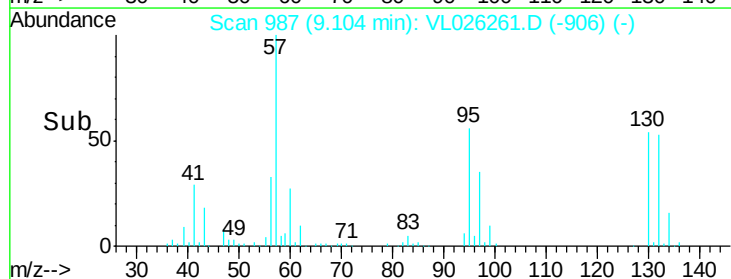
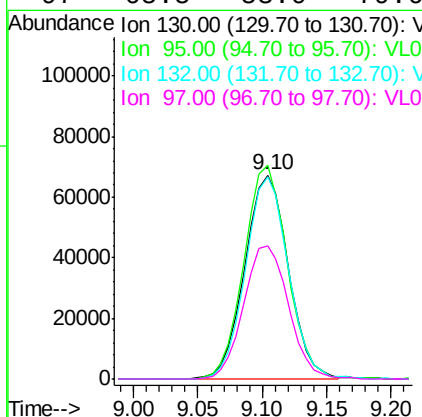
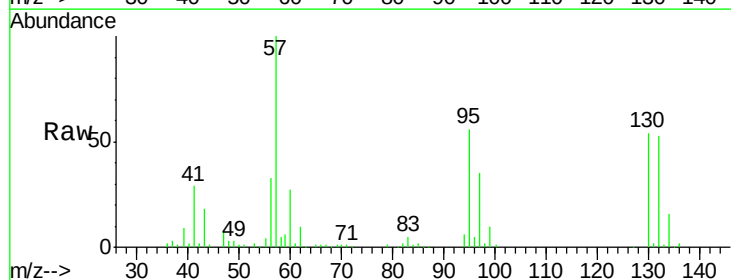
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

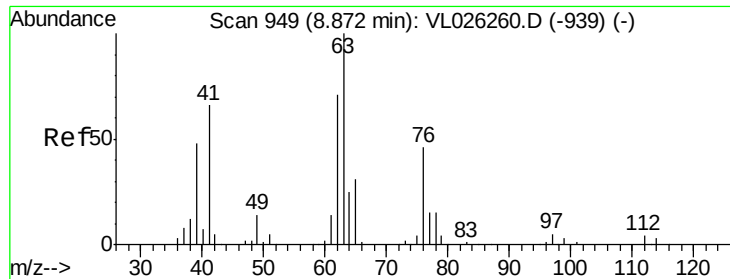
Tot Ion: 62 Resp: 192661
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.3 9.5



#38
 Trichloroethene
 Concen: 1.91 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion:130 Resp: 157785
 Ion Ratio Lower Upper
 130 100
 95 104.9 80.8 121.2
 132 99.1 76.2 114.2
 97 65.5 53.0 79.6





#39

1,2-Dichloropropane

Concen: 2.29 ppbv

RT: 8.87 min Scan# 948

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

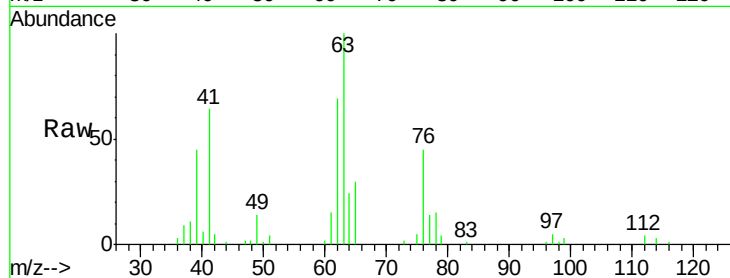
Tot Ion: 63 Resp: 139047

Ion Ratio Lower Upper

63 100

41 63.8 53.2 79.8

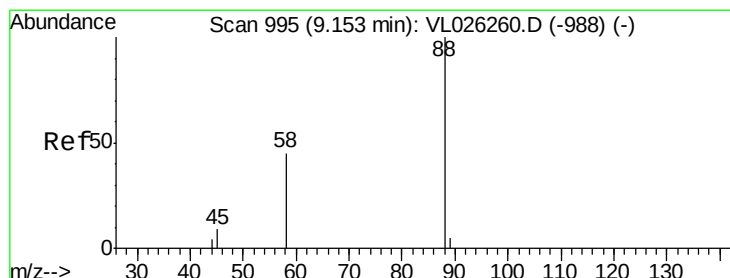
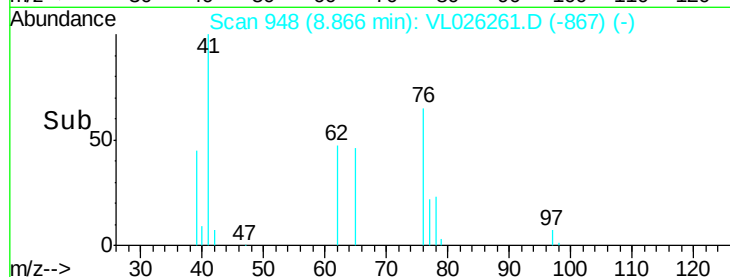
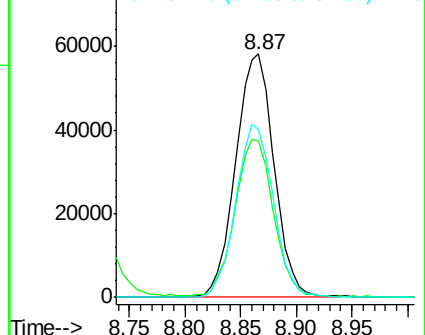
62 69.1 57.1 85.7



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: 2.17 ppbv

RT: 9.18 min Scan# 999

Delta R.T. 0.02 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Tgt Ion: 88 Resp: 23974

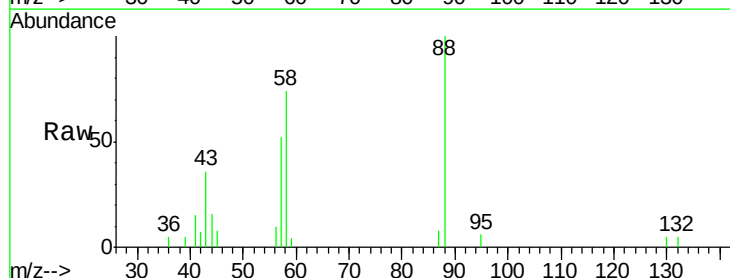
Ion Ratio Lower Upper

88 100

58 198.5 126.2 189.2#

43 520.0 307.3 460.9#

57 2722.9 1536.6 2304.8#

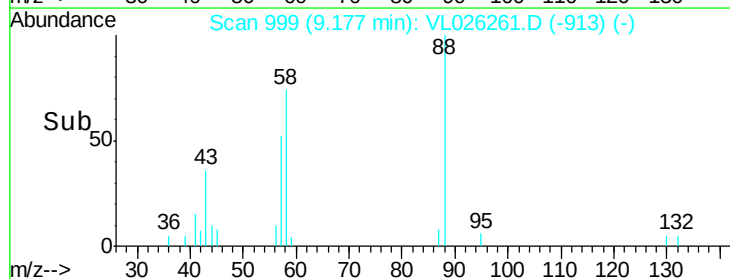
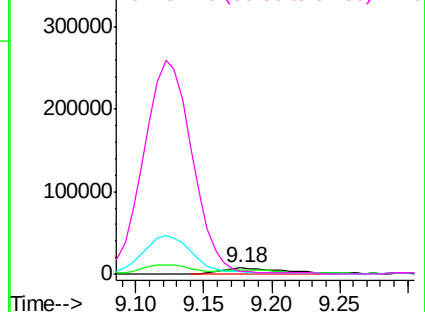


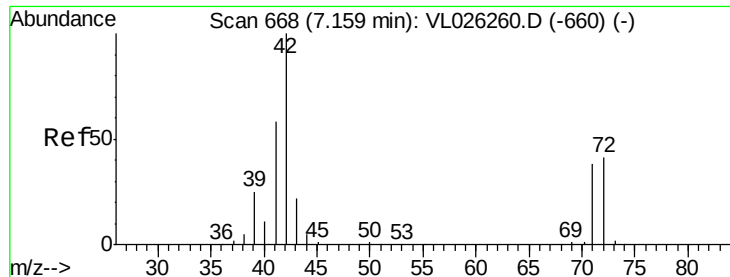
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 2.28 ppbv

RT: 7.17 min Scan# 669

Delta R.T. 0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

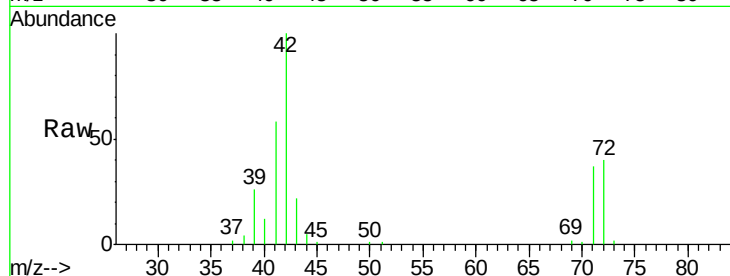
Tot Ion: 42 Resp: 127672

Ion Ratio Lower Upper

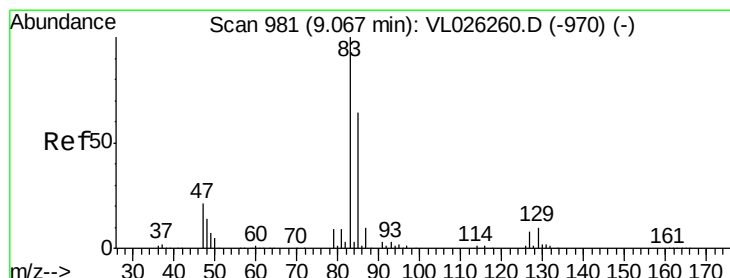
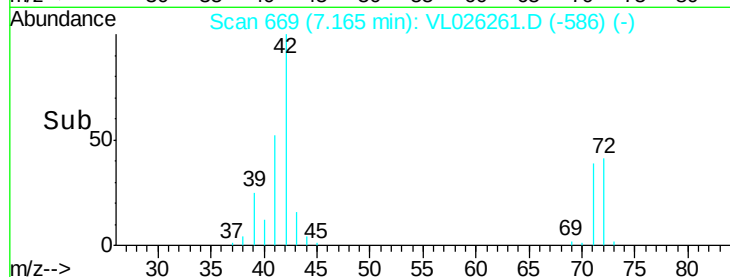
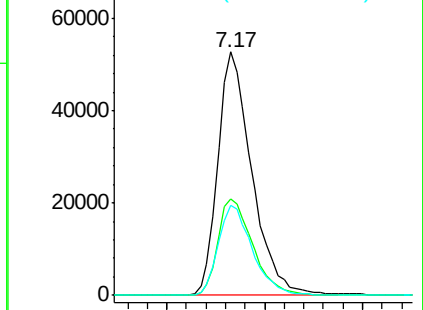
42 100

72 40.4 32.2 48.4

71 37.0 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: 2.14 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

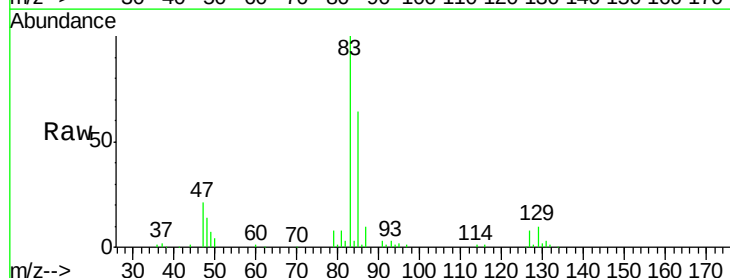
Tgt Ion: 83 Resp: 269679

Ion Ratio Lower Upper

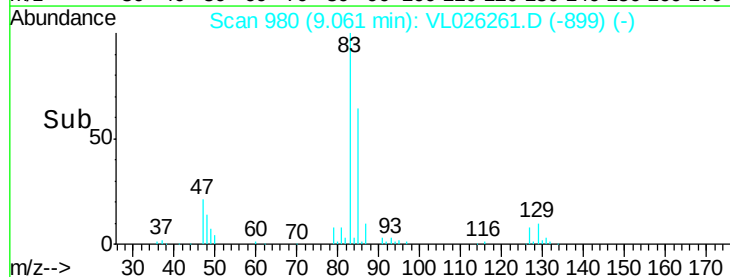
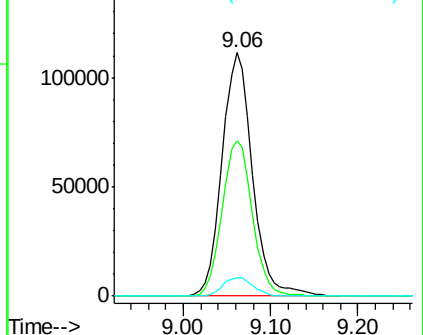
83 100

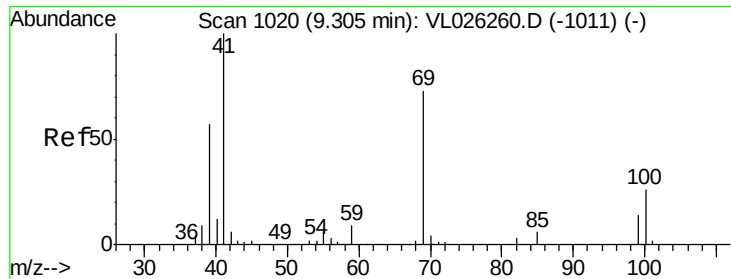
85 63.7 51.2 76.8

127 7.7 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

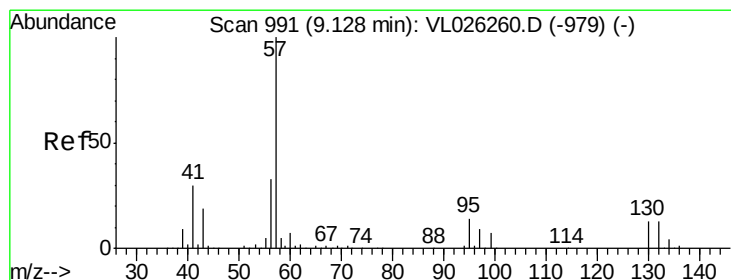
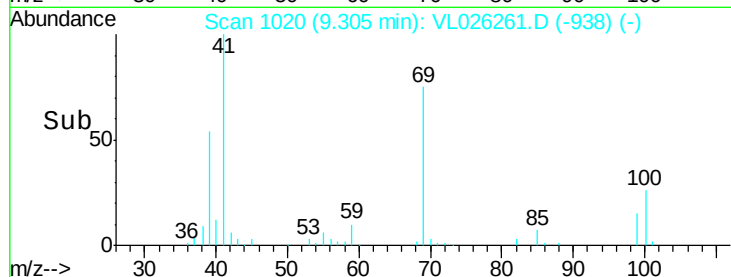
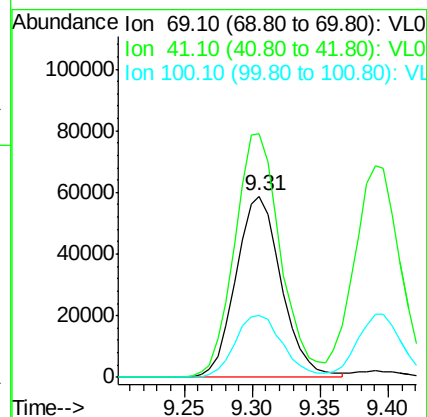
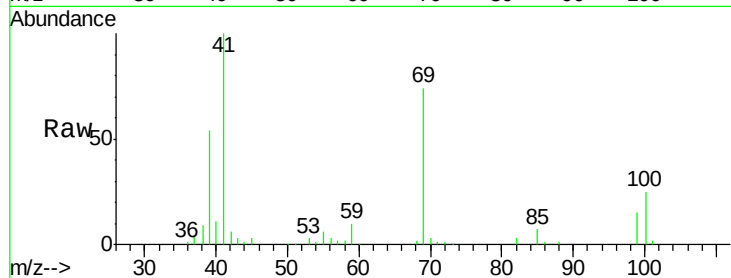




#43
Methvl Methacrylate
Concen: 2.20 ppbv
RT: 9.31 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

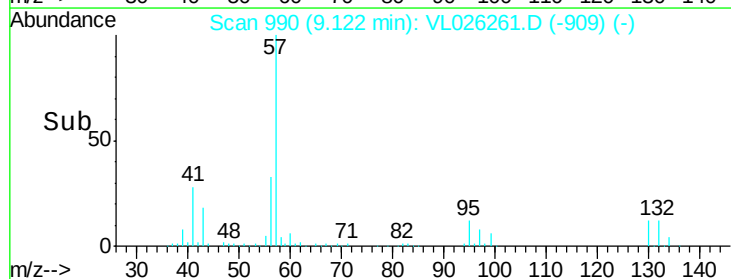
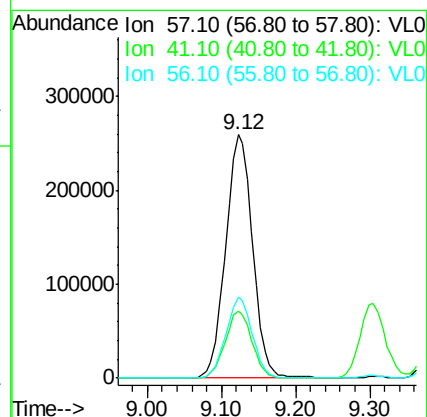
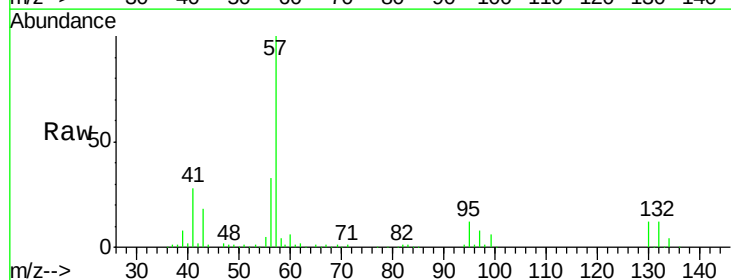
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

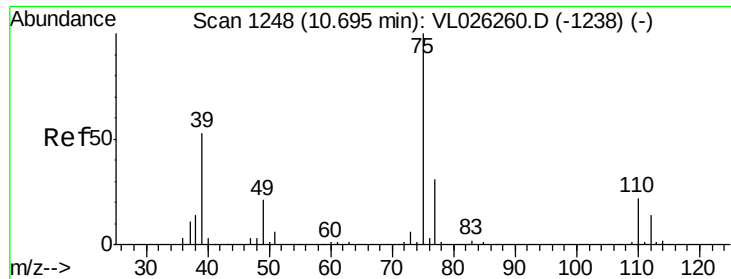
Tot Ion: 69 Resp: 137293
Ion Ratio Lower Upper
69 100
41 135.4 110.0 165.0
100 35.4 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 2.34 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

Tgt Ion: 57 Resp: 652557
Ion Ratio Lower Upper
57 100
41 27.7 23.1 34.7
56 32.2 26.3 39.5

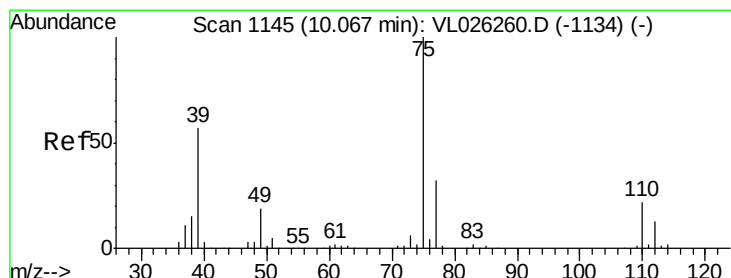
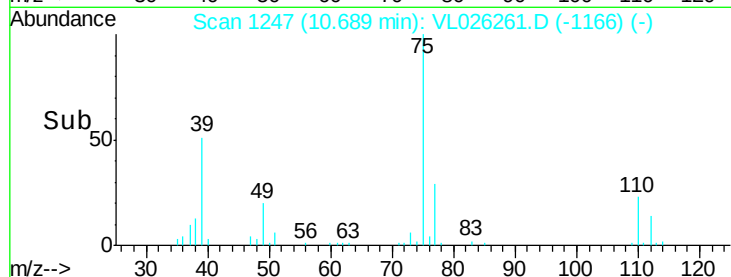
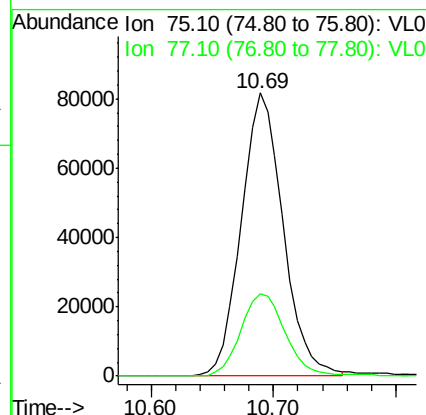
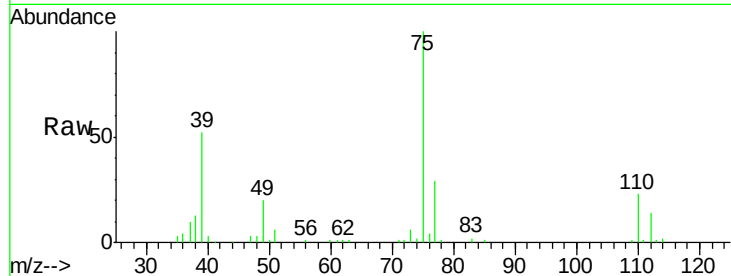




#45
 t-1,3-Dichloropropene
 Concen: 2.01 ppbv
 RT: 10.69 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

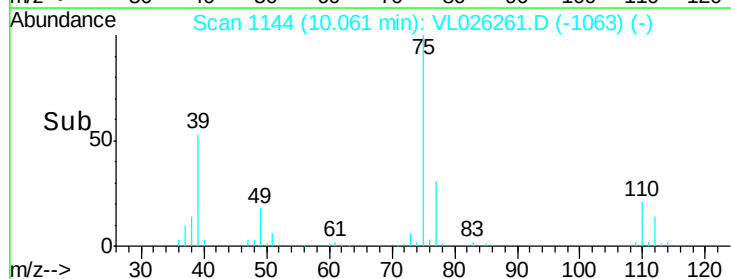
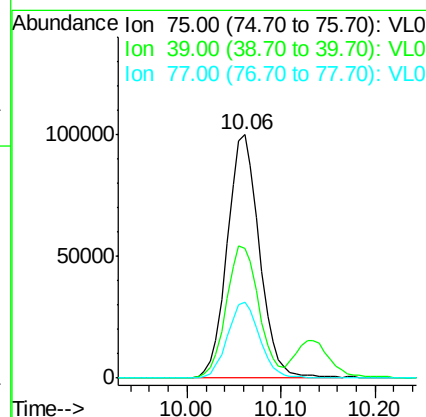
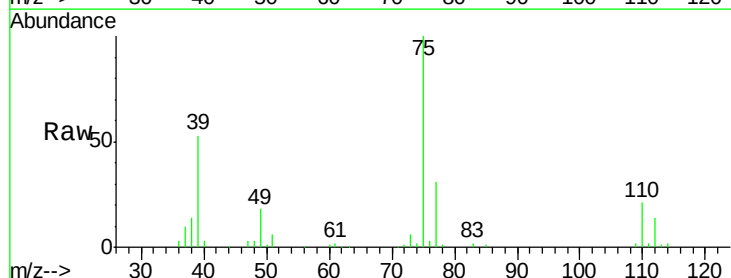
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

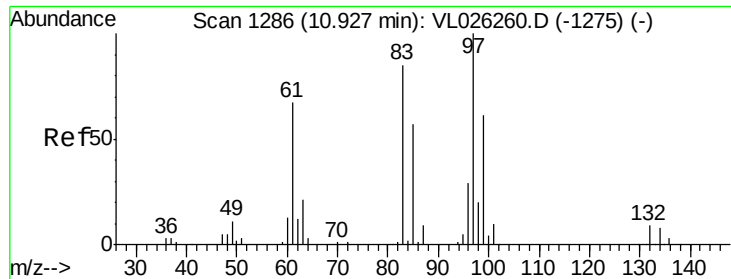
Tot Ion: 75 Resp: 194225
 Ion Ratio Lower Upper
 75 100
 77 29.3 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 2.09 ppbv
 RT: 10.06 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 75 Resp: 237594
 Ion Ratio Lower Upper
 75 100
 39 53.4 45.8 68.8
 77 31.1 25.3 37.9



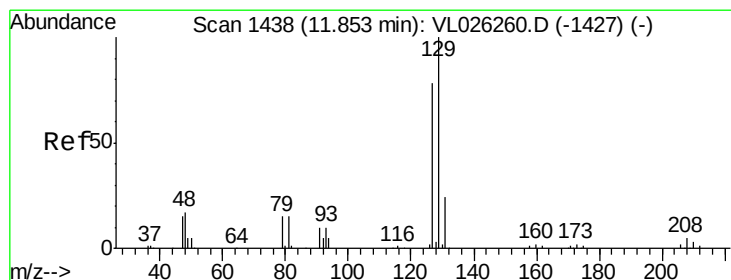
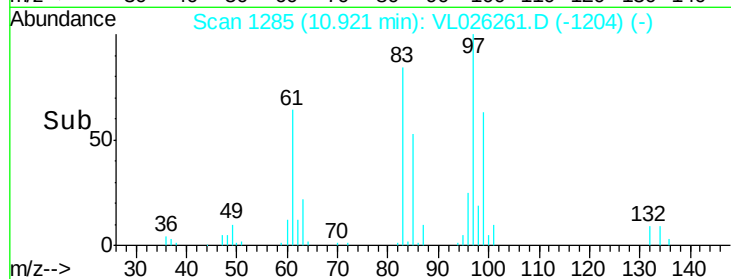
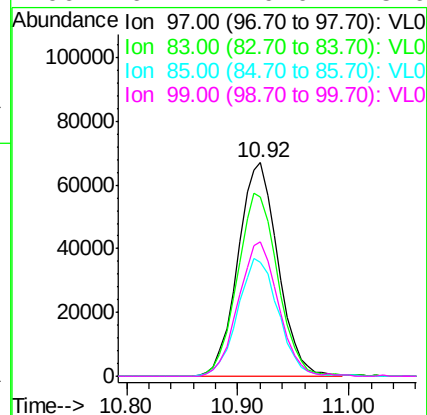
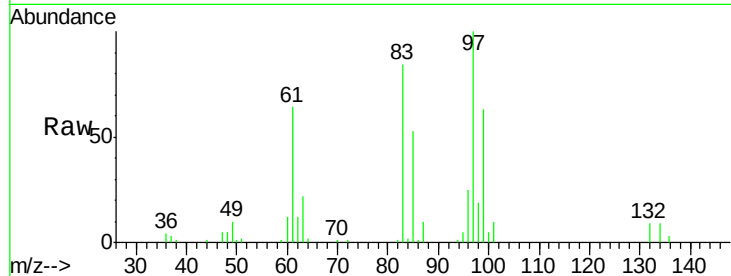


#47
 1,1,2-Trichloroethane
 Concen: 2.22 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 97 Resp: 167491

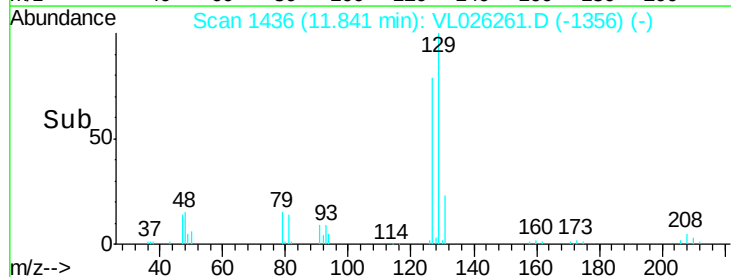
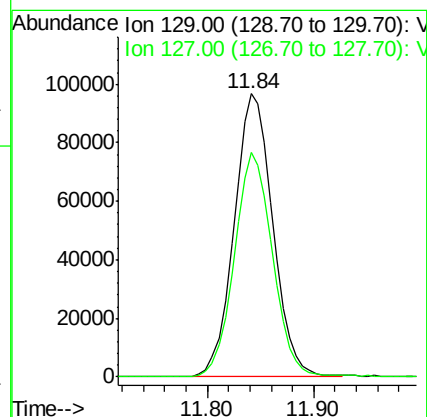
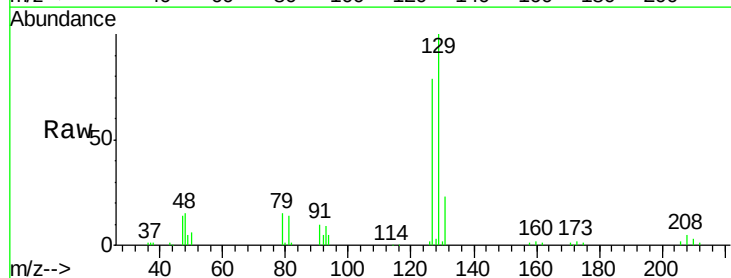
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.9	101.9
85	53.3	45.2	67.8
99	62.7	49.0	73.6

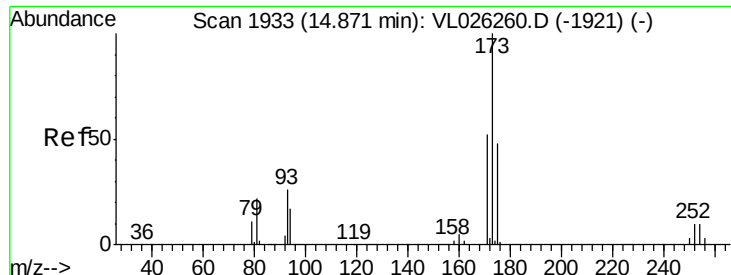


#48
 Dibromochloromethane
 Concen: 2.03 ppbv
 RT: 11.84 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 129 Resp: 246099

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2





#49

Bromoform

Concen: 1.94 ppbv

RT: 14.86 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

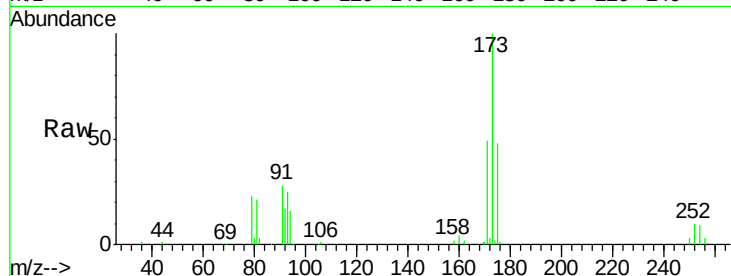
Tot Ion:173 Resp: 197298

Ion Ratio Lower Upper

173 100

175 47.7 38.8 58.2

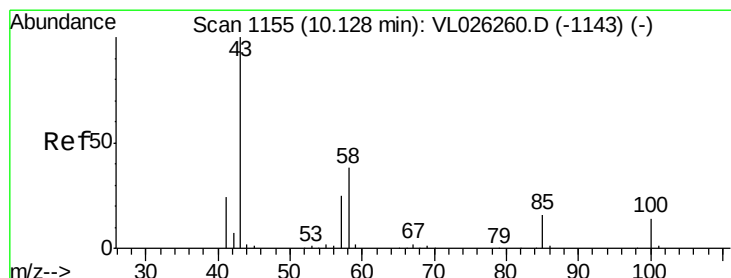
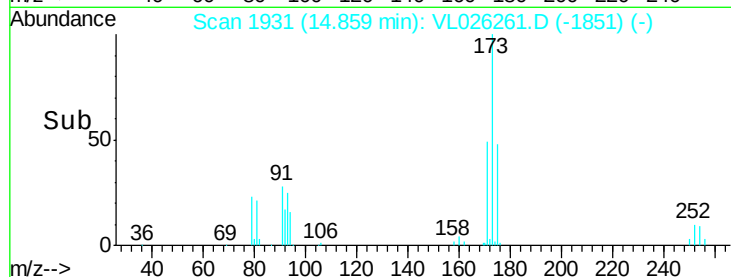
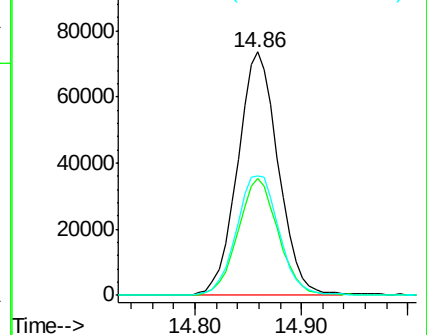
171 51.5 41.7 62.5



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: 2.30 ppbv

RT: 10.13 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VL026261.D

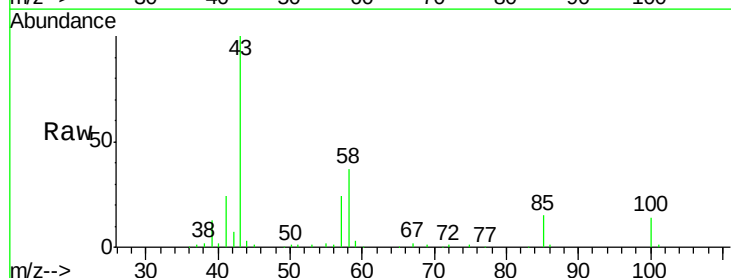
Acq: 29 Oct 2015 10:02

Tgt Ion: 43 Resp: 297721

Ion Ratio Lower Upper

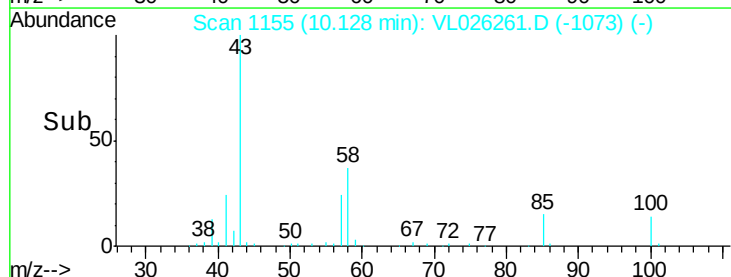
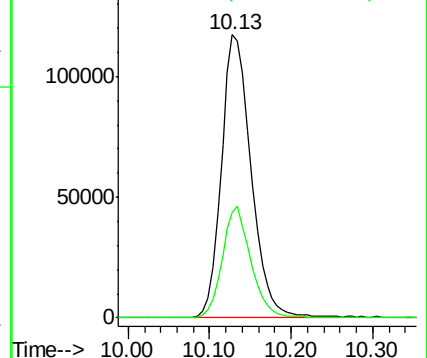
43 100

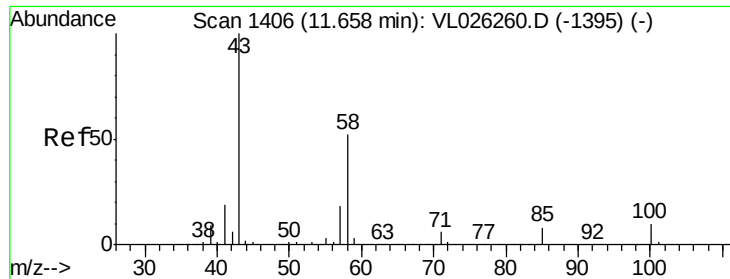
58 37.6 30.5 45.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

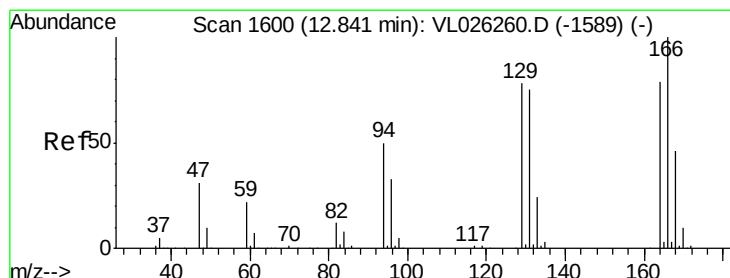
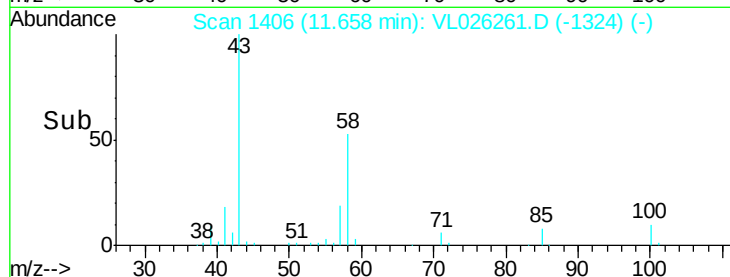
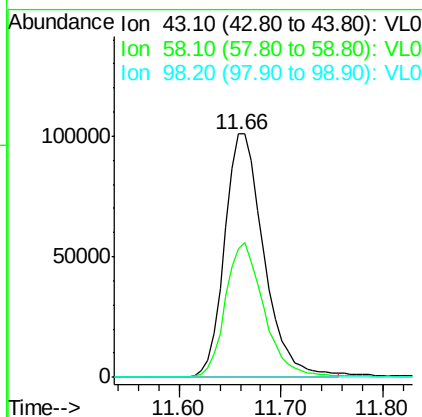
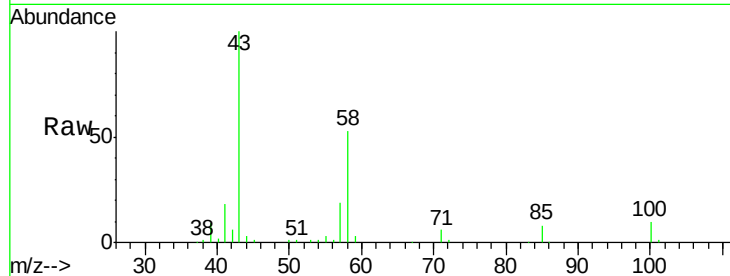




#51
 2-Hexanone
 Concen: 2.23 ppbv
 RT: 11.66 min Scan# 1406
 Delta R.T. 0.00 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

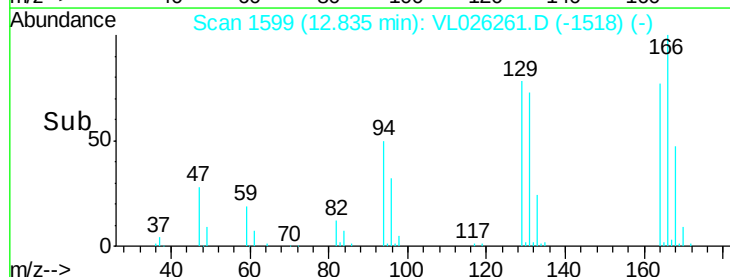
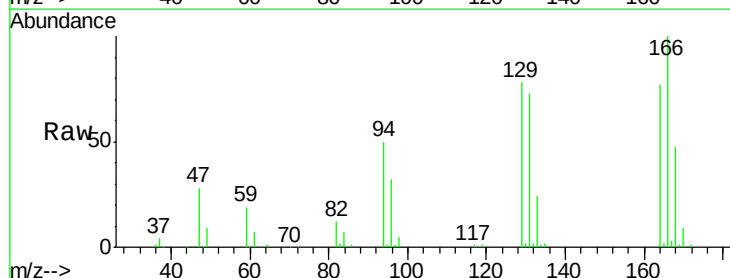
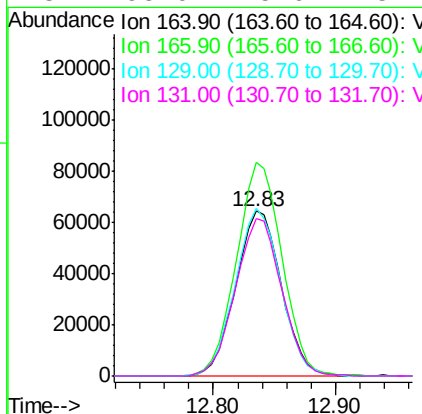
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

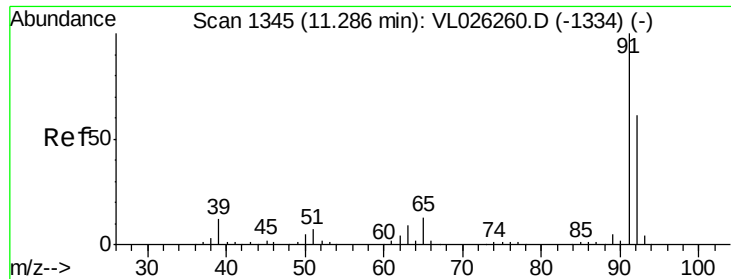
Tot Ion: 43 Resp: 269837
 Ion Ratio Lower Upper
 43 100
 58 54.8 42.7 64.1
 98 0.0 0.0 0.0#



#52
 Tetrachloroethene
 Concen: 1.71 ppbv
 RT: 12.83 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 164 Resp: 166961
 Ion Ratio Lower Upper
 164 100
 166 129.4 101.4 152.0
 129 100.8 78.8 118.2
 131 95.0 75.6 113.4





#53

Toluene

Concen: 2.18 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

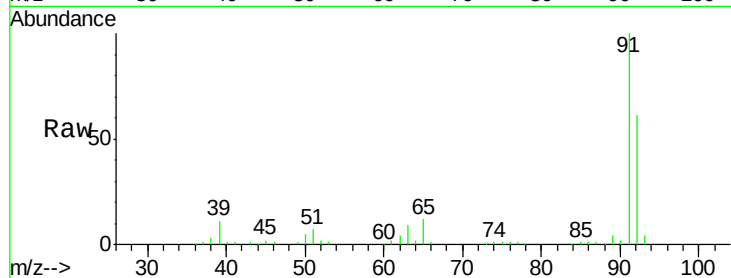
VSTDIC002

Tot Ion: 91 Resp: 506633

Ion Ratio Lower Upper

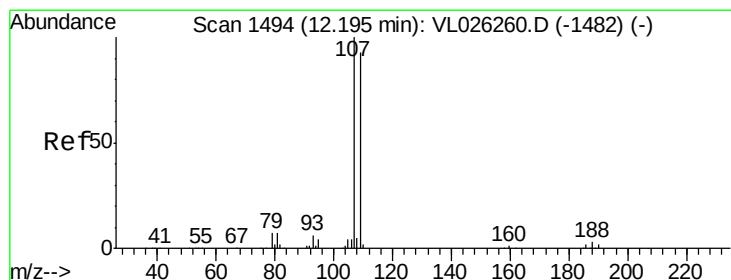
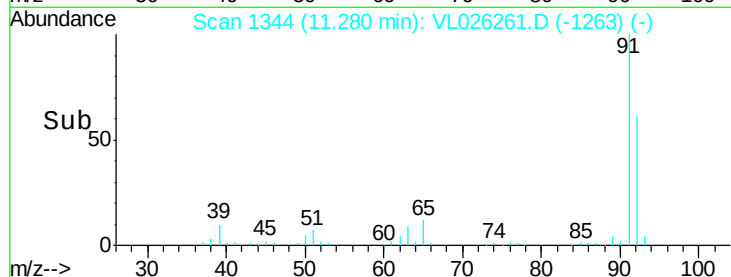
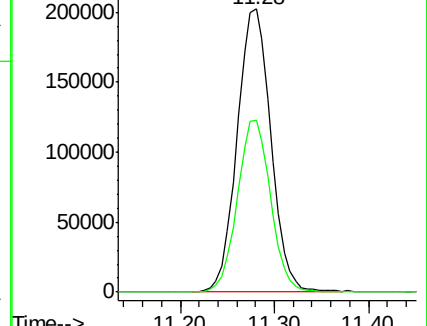
91 100

92 59.8 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.21 ppbv

RT: 12.18 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL026261.D

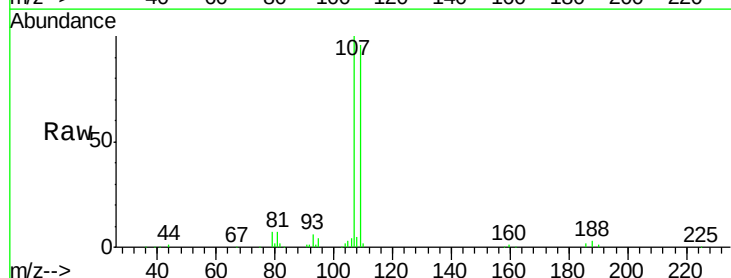
Acq: 29 Oct 2015 10:02

Tgt Ion: 107 Resp: 257159

Ion Ratio Lower Upper

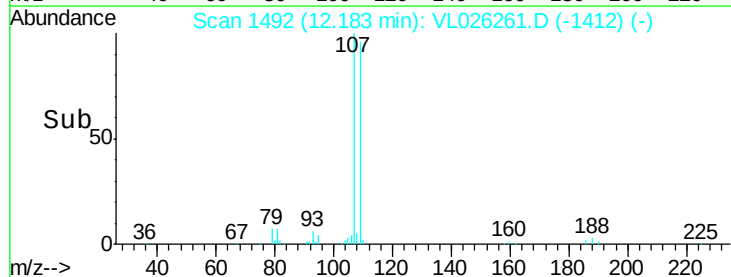
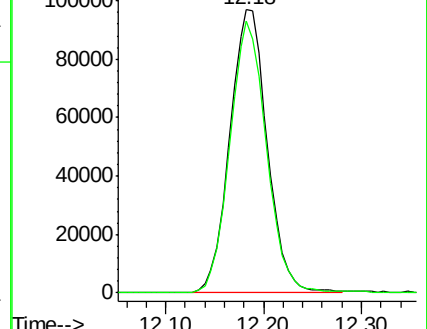
107 100

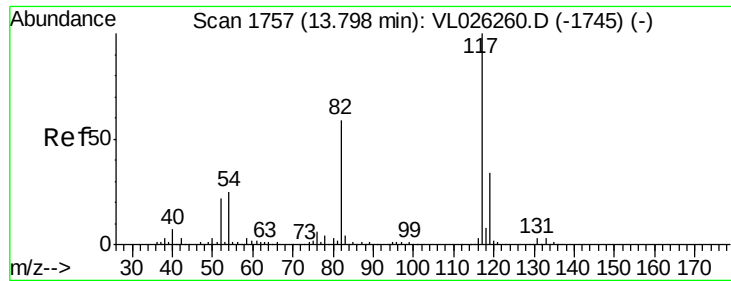
109 96.2 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

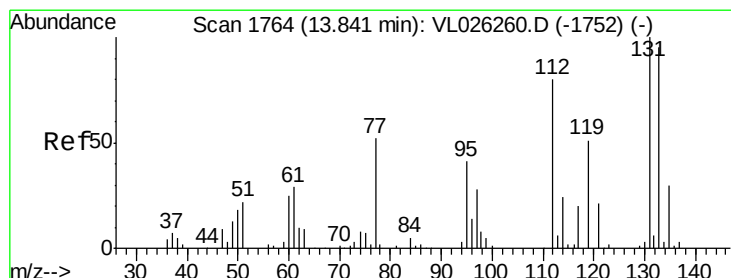
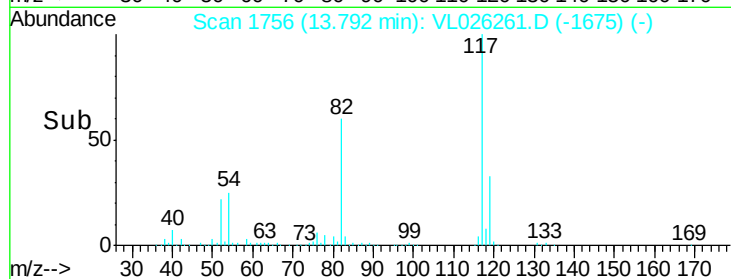
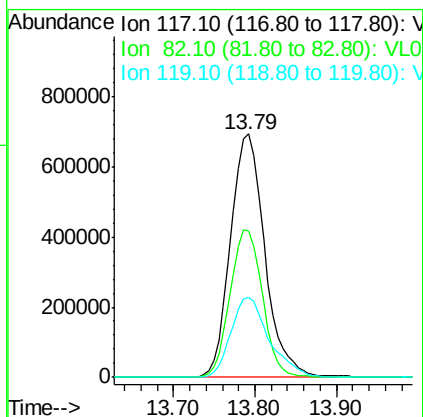
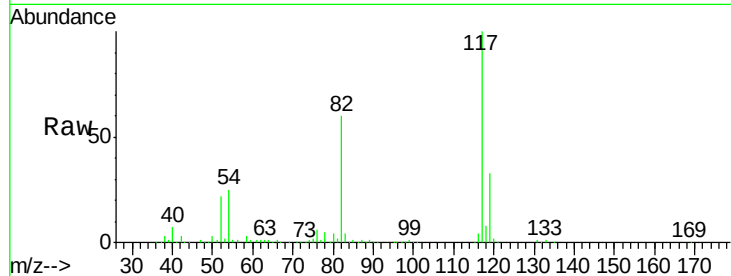




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

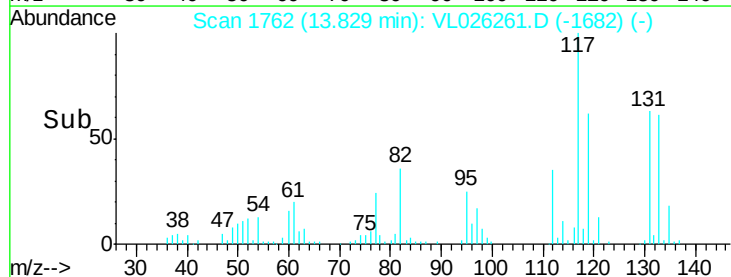
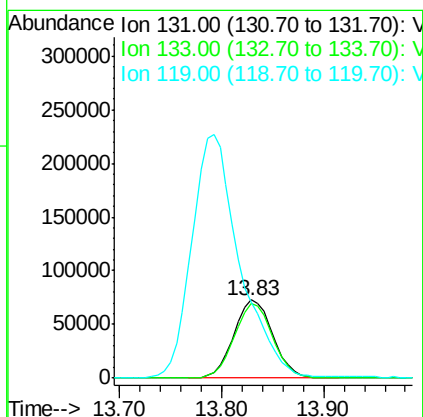
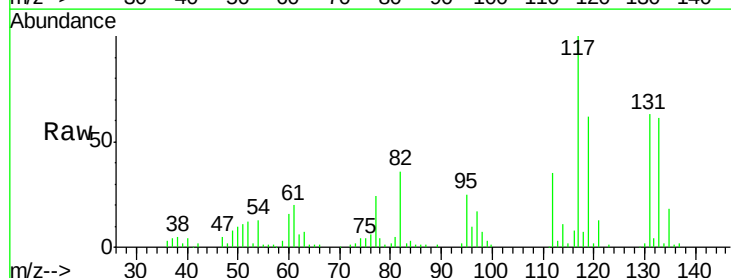
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

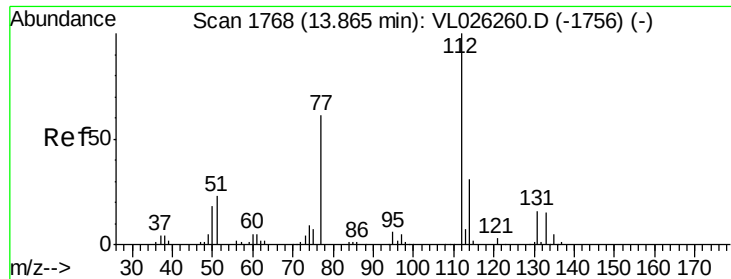
Tot Ion:117 Resp: 2027249
Ion Ratio Lower Upper
117 100
82 57.7 48.2 72.4
119 37.0 46.2 69.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 1.99 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

Tgt Ion:131 Resp: 193074
Ion Ratio Lower Upper
131 100
133 94.4 76.1 114.1
119 389.7 111.3 166.9#

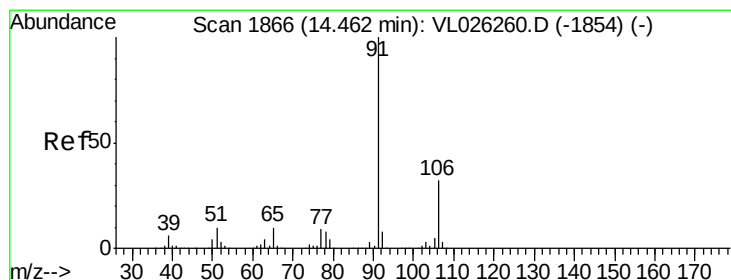
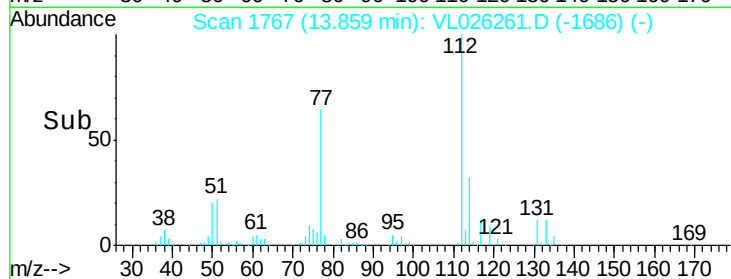
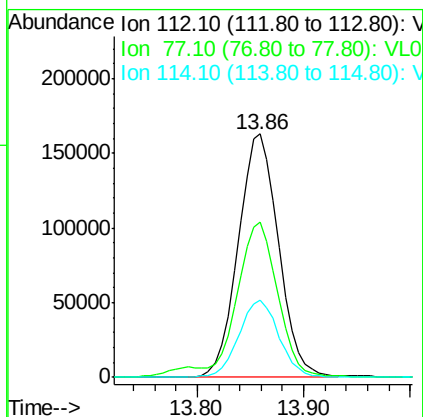
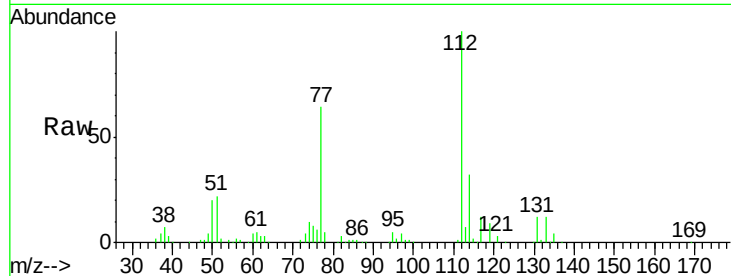




#57
Chlorobenzene
Concen: 2.22 ppbv
RT: 13.86 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

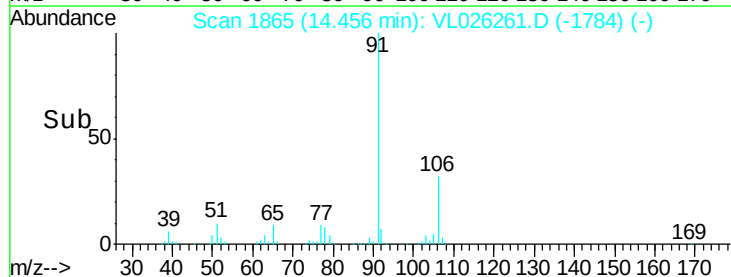
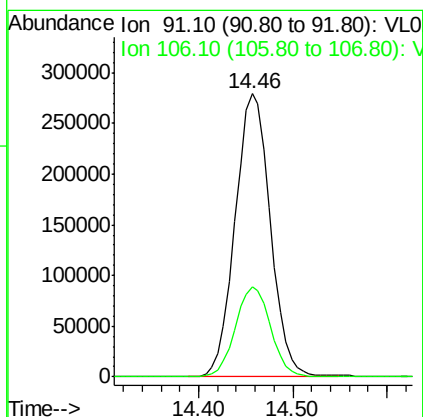
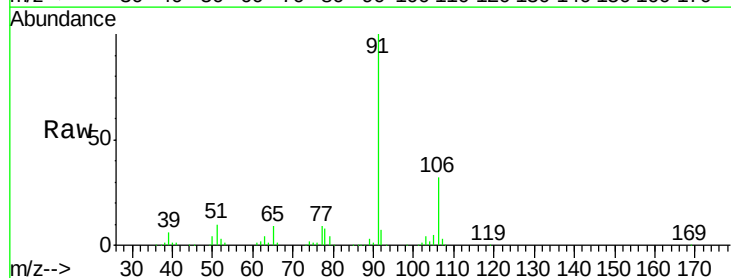
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

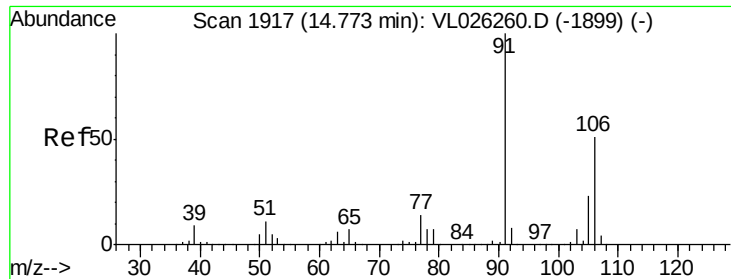
Tot Ion	Ratio	Lower	Upper
112	100		
77	63.0	49.4	74.0
114	32.0	27.8	34.0



#58
Ethyl Benzene
Concen: 2.20 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.7	38.5

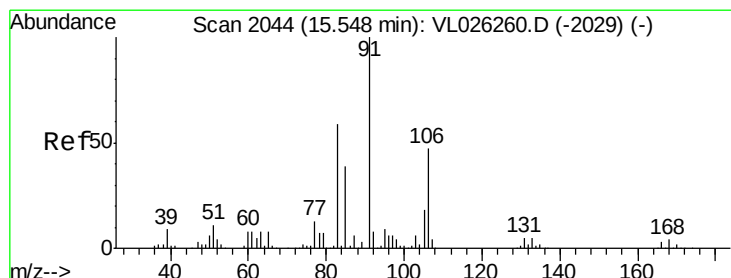
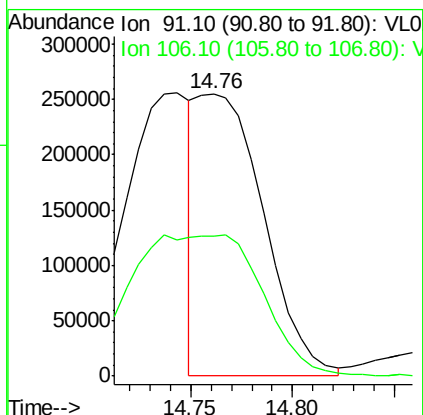
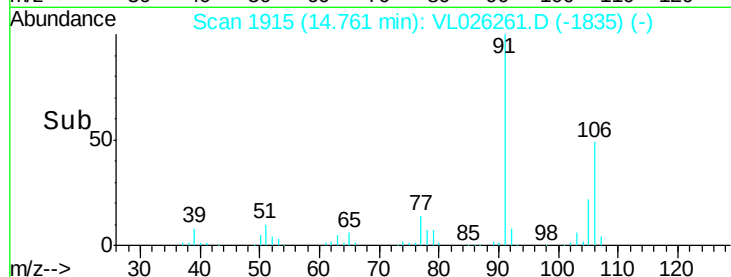
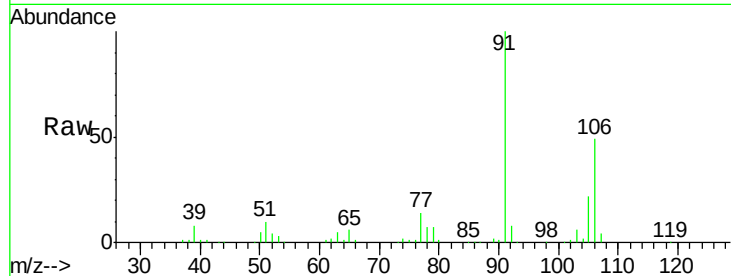




#59
m/p-Xylene
Concen: 2.20 ppbv
RT: 14.76 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

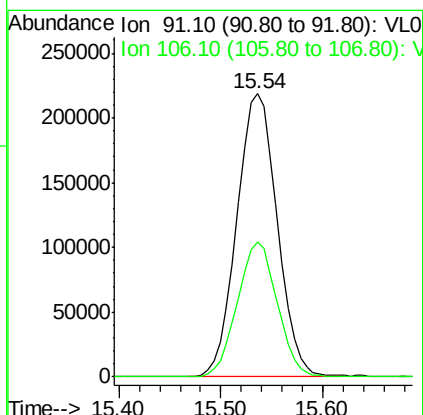
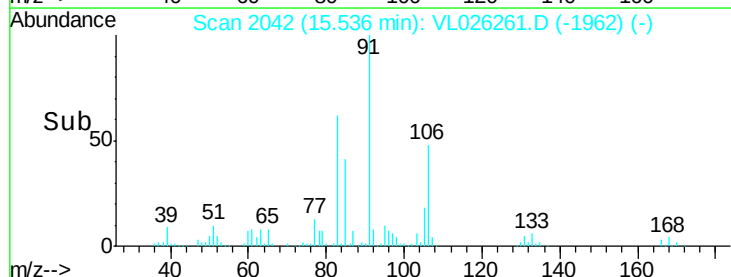
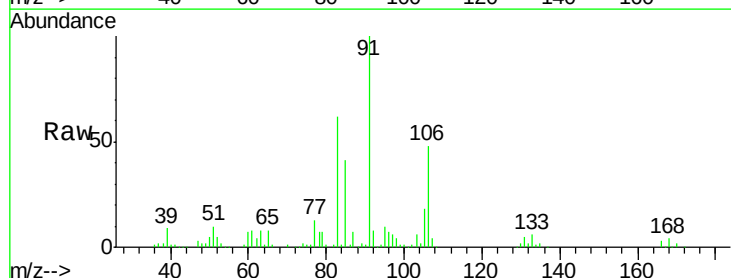
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

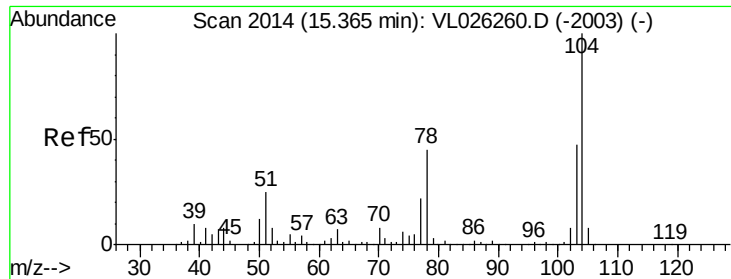
Tot Ion: 91 Resp: 569389
Ion Ratio Lower Upper
91 100
106 101.8 0.0 0.0#



#60
o-Xylene
Concen: 2.23 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026261.D
Acq: 29 Oct 2015 10:02

Tgt Ion: 91 Resp: 602679
Ion Ratio Lower Upper
91 100
106 47.1 23.6 70.8





#61

Stvrene

Concen: 2.14 ppbv

RT: 15.35 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

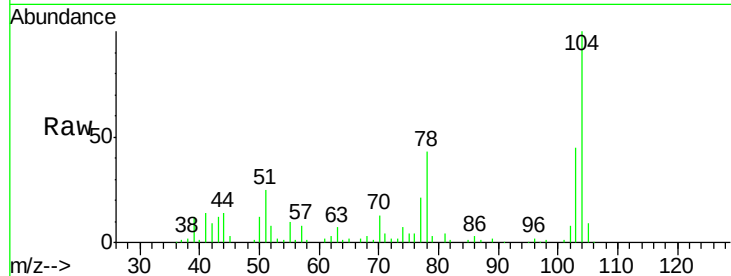
Tot Ion:104 Resp: 260529

Ion Ratio Lower Upper

104 100

78 43.9 35.5 53.3

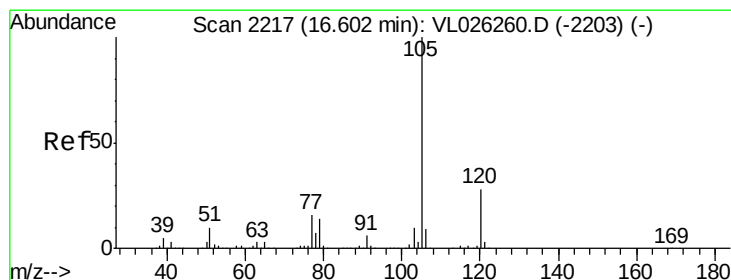
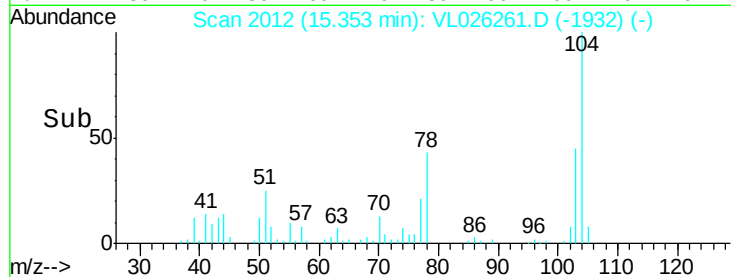
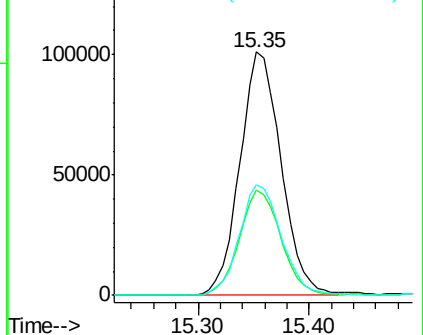
103 46.2 37.0 55.6



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: 2.19 ppbv

RT: 16.59 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VL026261.D

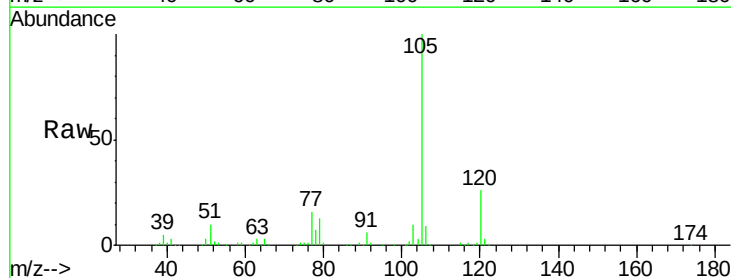
Acq: 29 Oct 2015 10:02

Tgt Ion:105 Resp: 821158

Ion Ratio Lower Upper

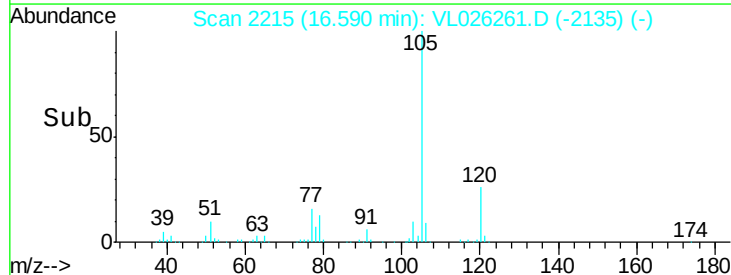
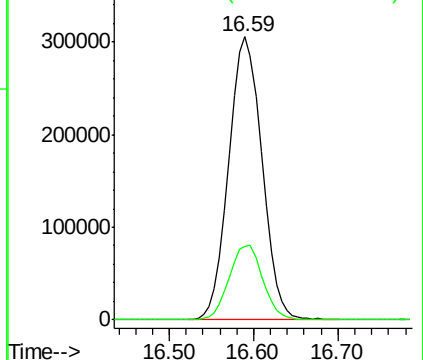
105 100

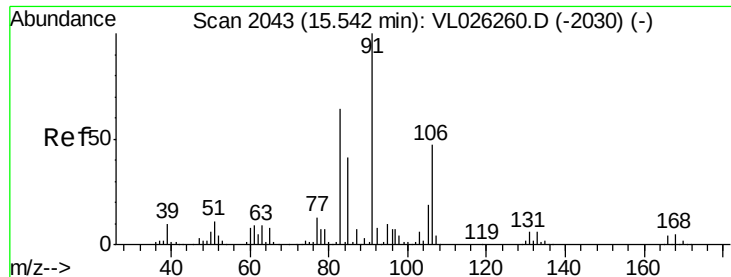
120 26.7 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

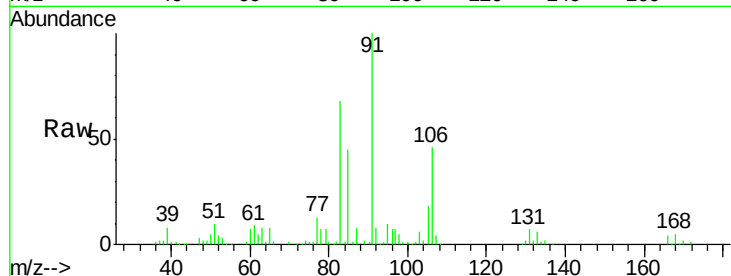




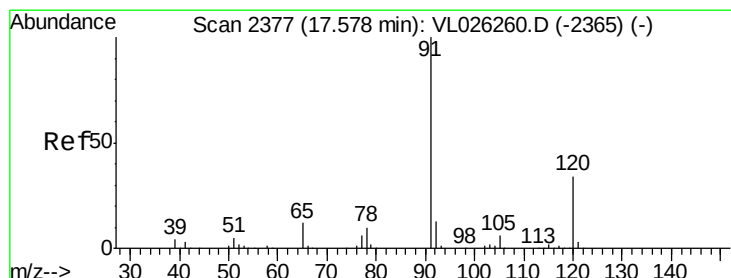
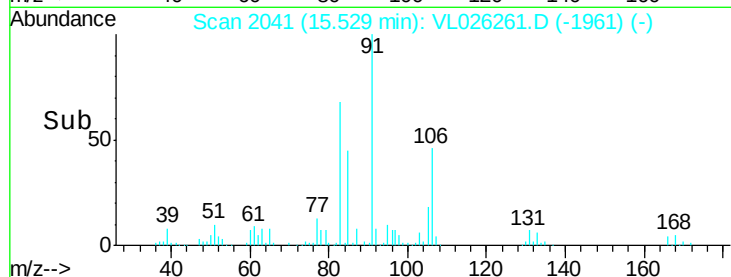
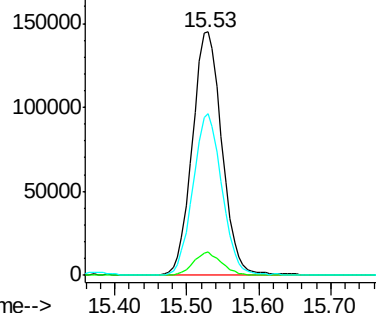
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.32 ppbv
 RT: 15.53 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 83 Resp: 415885
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.6 13.8
 85 65.1 32.4 97.2

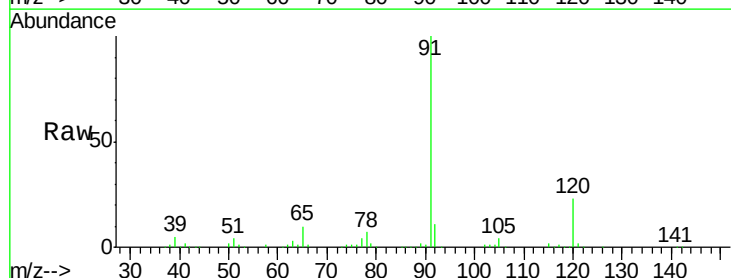


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

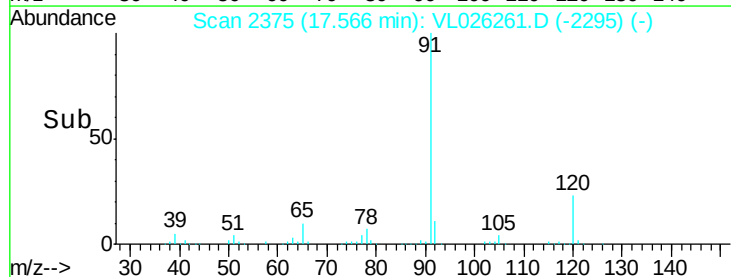
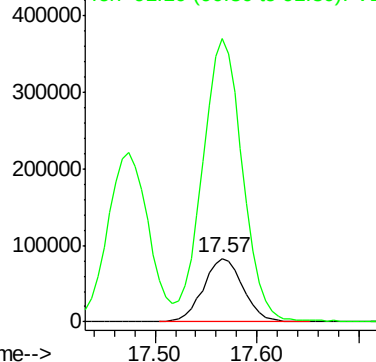


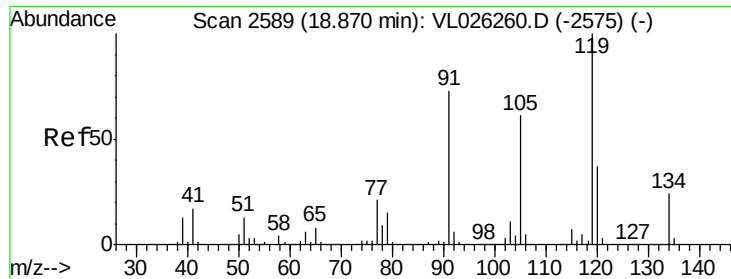
#64
 n-propylbenzene
 Concen: 2.17 ppbv
 RT: 17.57 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 120 Resp: 223570
 Ion Ratio Lower Upper
 120 100
 91 454.9 340.8 511.2



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0

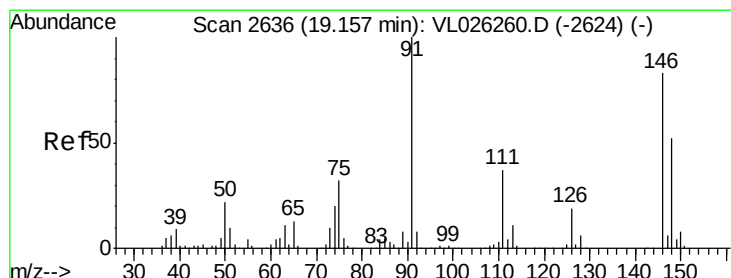
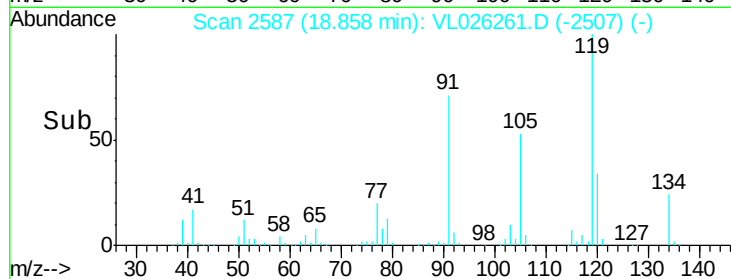
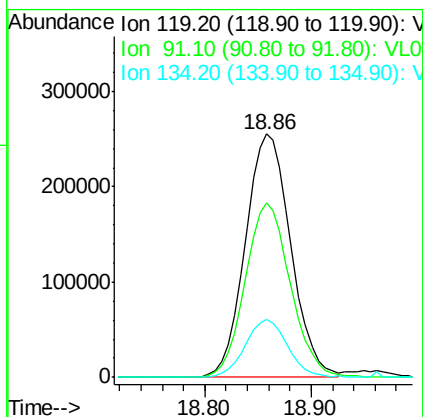
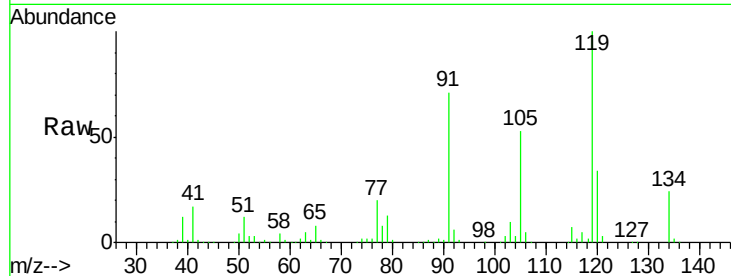




#65
 tert-Butylbenzene
 Concen: 2.23 ppbv
 RT: 18.86 min Scan# 2587
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

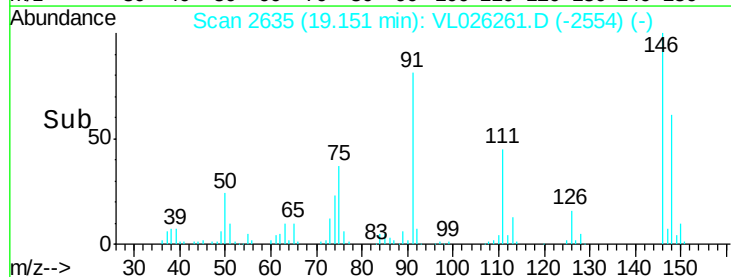
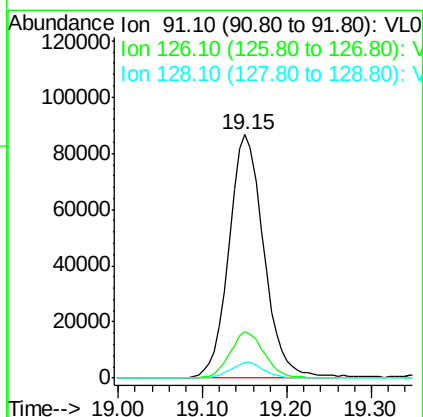
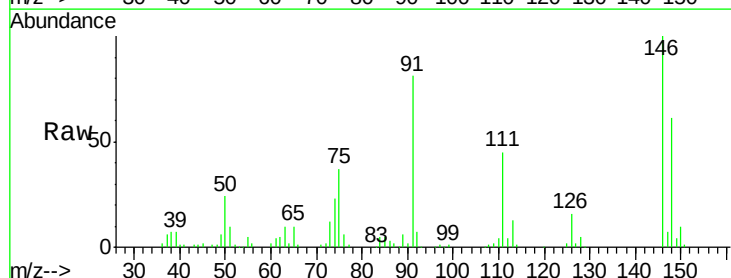
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

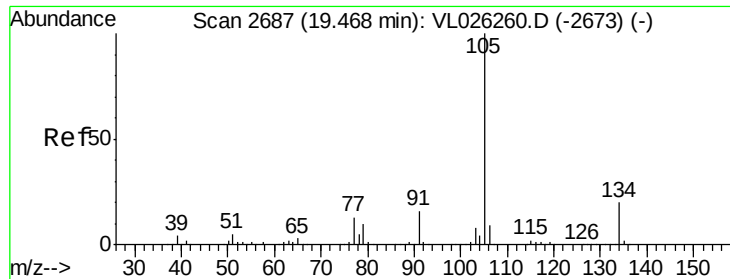
Tot Ion: 119 Resp: 761421
 Ion Ratio Lower Upper
 119 100
 91 71.8 57.7 86.5
 134 22.2 18.0 27.0



#66
 Benzyl Chloride
 Concen: 1.77 ppbv
 RT: 19.15 min Scan# 2635
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion: 91 Resp: 244034
 Ion Ratio Lower Upper
 91 100
 126 18.5 15.8 23.8
 128 6.0 5.0 7.6





#67

sec-Butylbenzene

Concen: 2.25 ppbv

RT: 19.46 min Scan# 2685

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

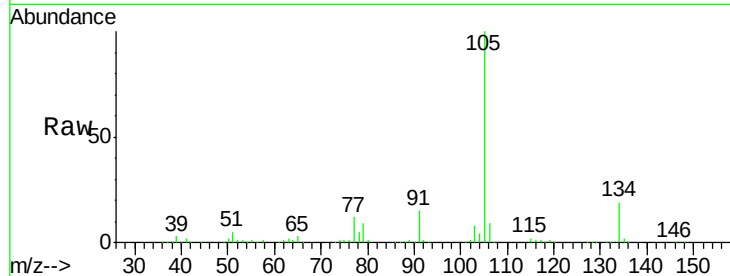
VSTDIC002

Tot Ion:105 Resp: 1074464

Ion Ratio Lower Upper

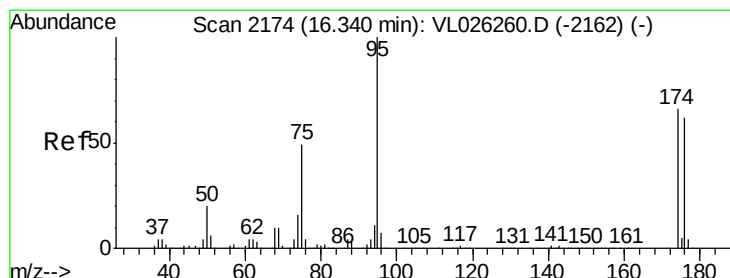
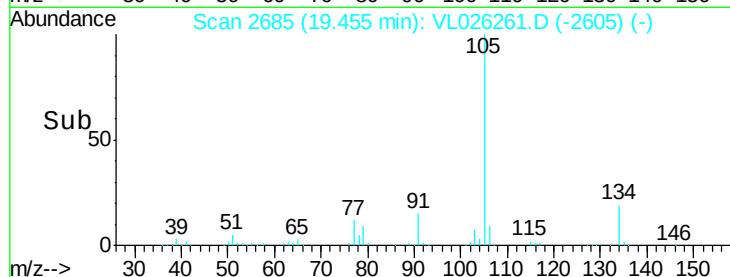
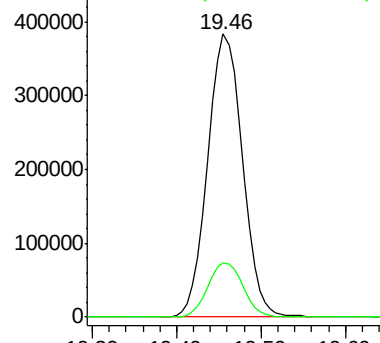
105 100

134 19.5 16.0 24.0



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: 9.63 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

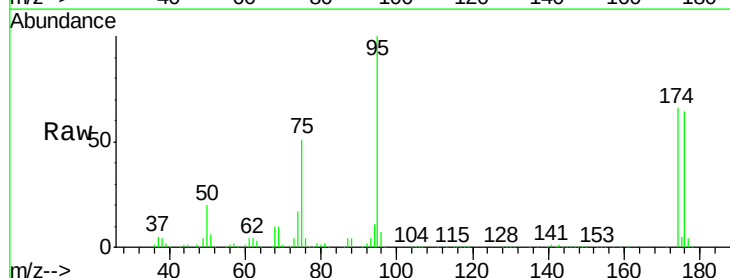
Tgt Ion: 95 Resp: 1506792

Ion Ratio Lower Upper

95 100

174 66.0 52.9 79.3

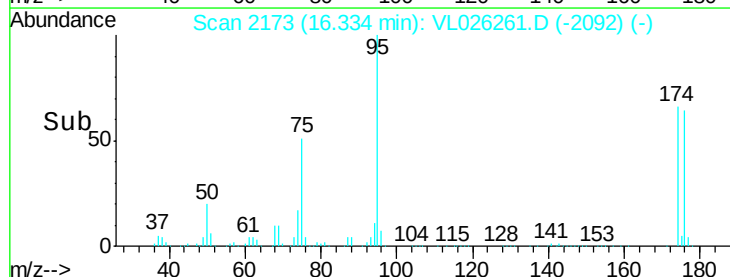
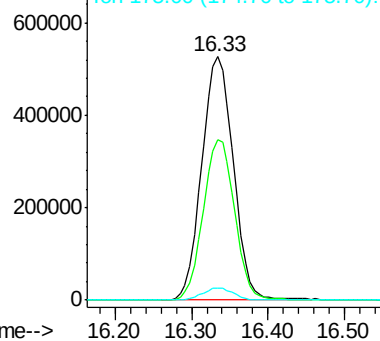
175 4.9 3.8 5.8

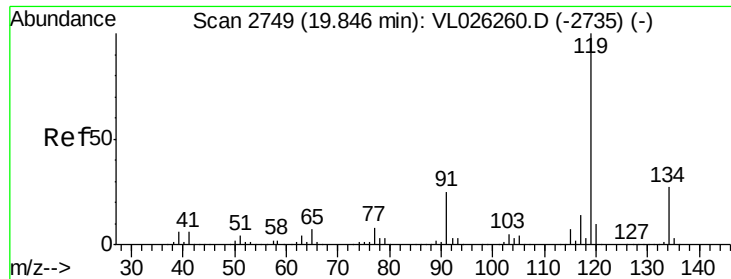


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

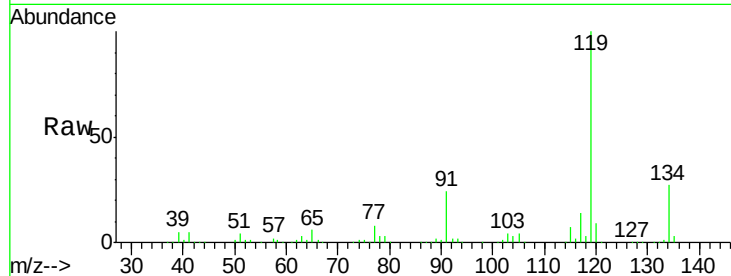




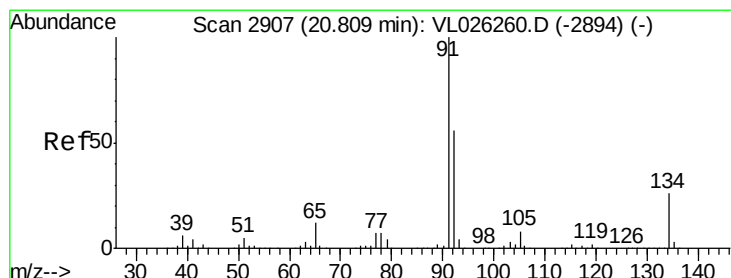
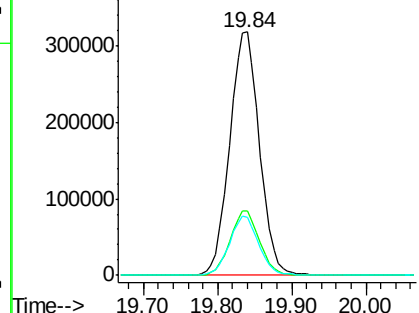
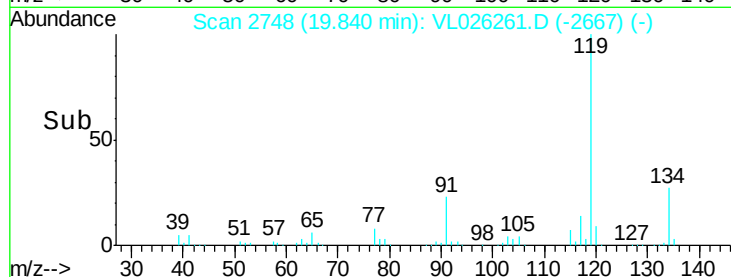
#69
 p-Isopropyltoluene
 Concen: 2.23 ppbv
 RT: 19.84 min Scan# 2748
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.3	31.9
91	24.0	19.6	29.4

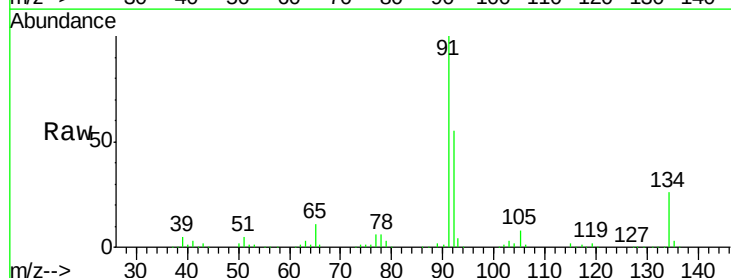


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

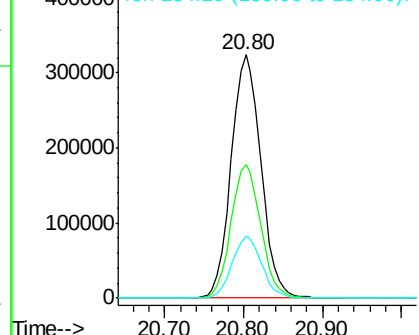
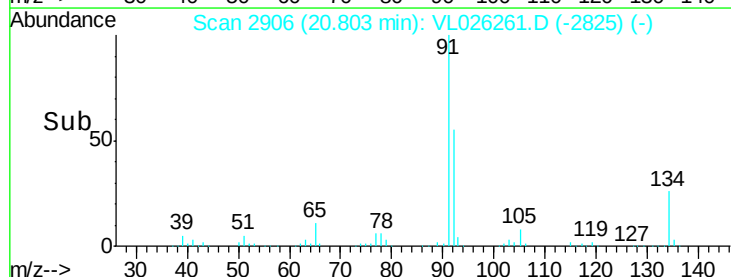


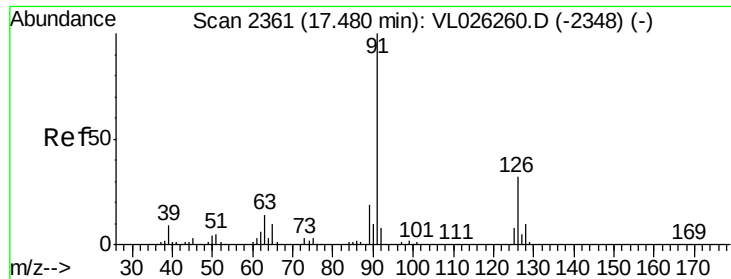
#70
 n-Butylbenzene
 Concen: 2.33 ppbv
 RT: 20.80 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.9	67.3
134	25.1	20.5	30.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.22 ppbv

RT: 17.47 min Scan# 2360

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

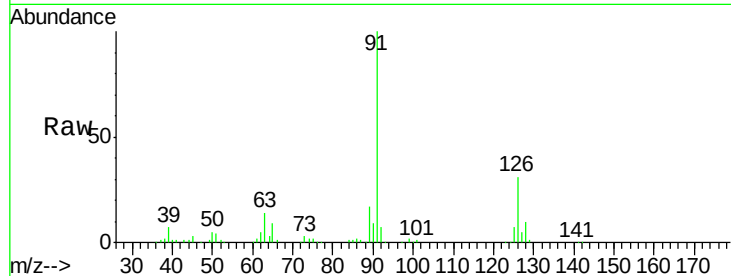
VSTDIC002

Tot Ion: 91 Resp: 614875

Ion Ratio Lower Upper

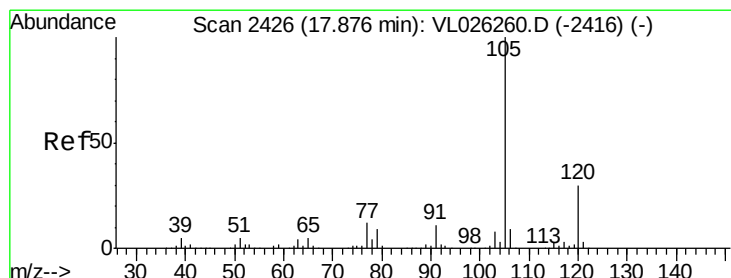
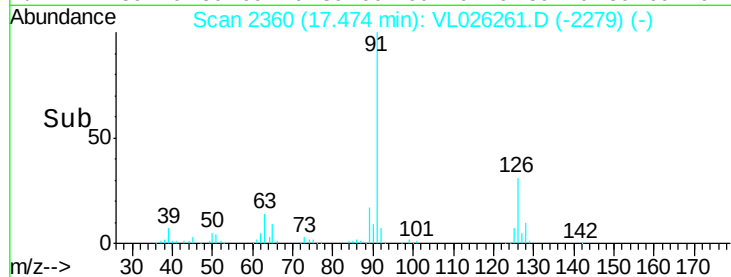
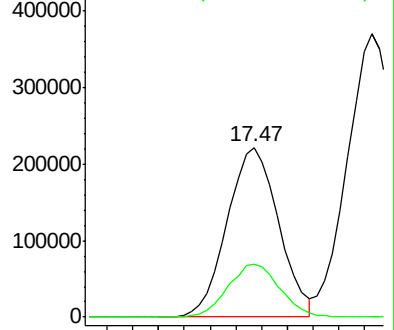
91 100

126 31.7 12.8 51.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.20 ppbv

RT: 17.86 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Tgt Ion: 105 Resp: 690736

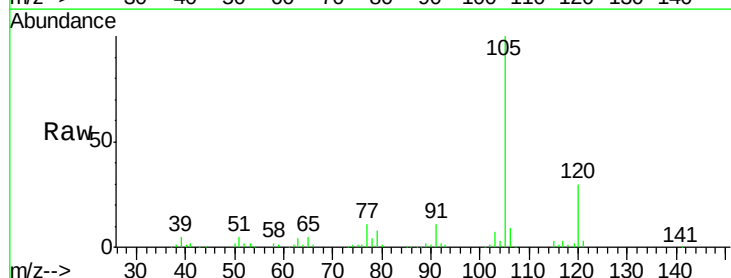
Ion Ratio Lower Upper

105 100

120 31.1 25.1 37.7

91 11.4 9.1 13.7

77 12.0 9.7 14.5

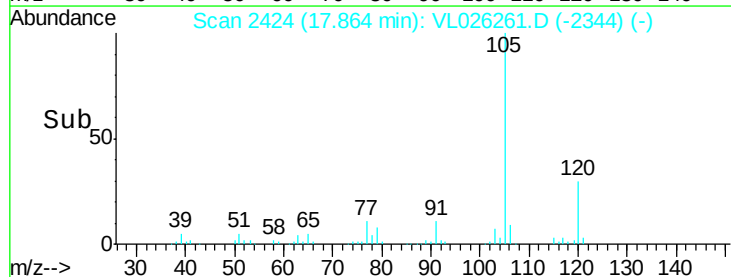
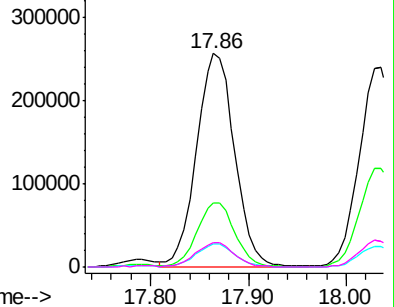


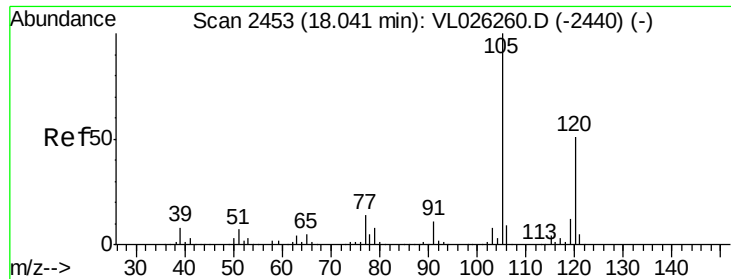
Abundance Ion 105.10 (104.80 to 105.80): V

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

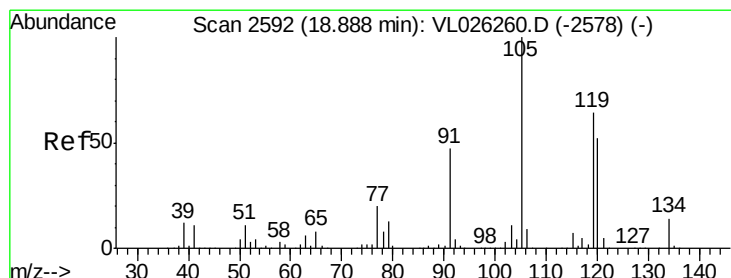
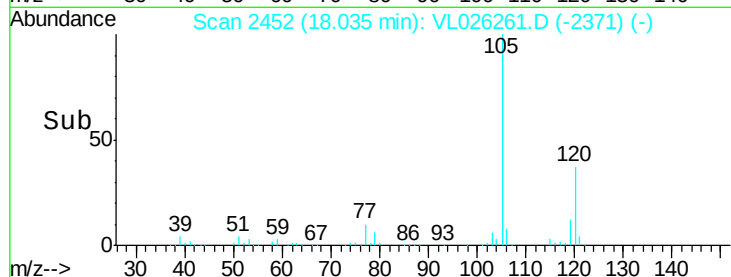
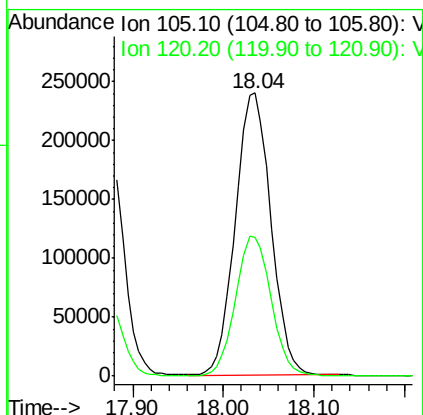
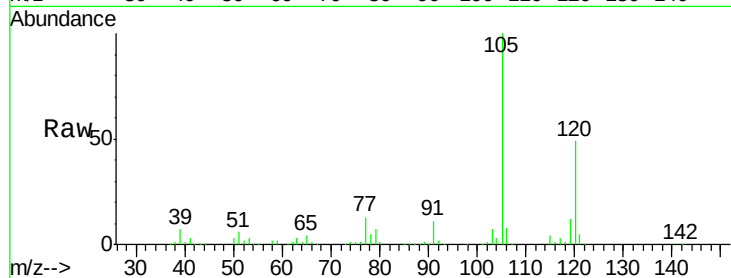




#73
 1,3,5-Trimethylbenzene
 Concen: 2.23 ppbv
 RT: 18.04 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

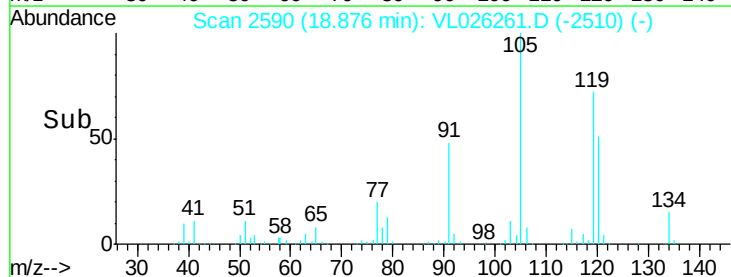
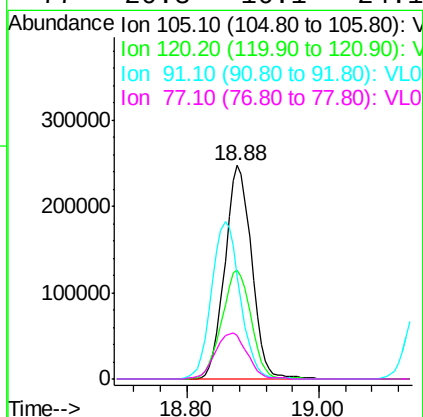
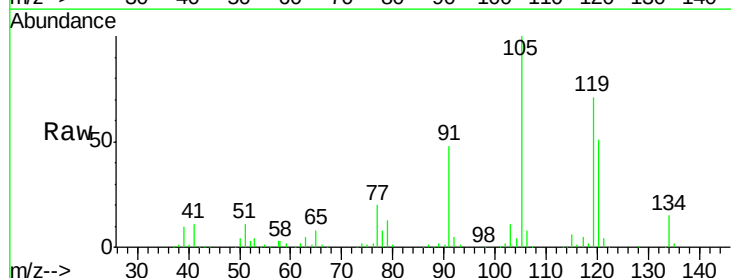
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

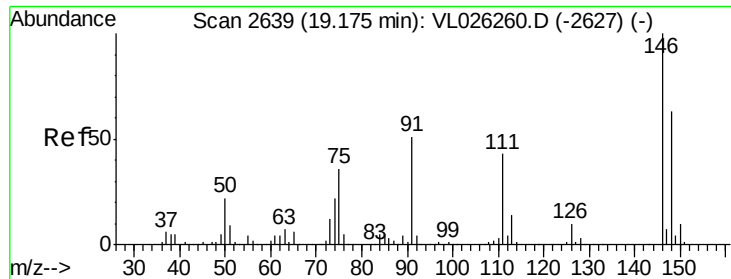
Tot Ion:105 Resp: 652339
 Ion Ratio Lower Upper
 105 100
 120 49.2 40.6 61.0



#74
 1,2,4-Trimethylbenzene
 Concen: 2.29 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion:105 Resp: 694680
 Ion Ratio Lower Upper
 105 100
 120 51.2 41.2 61.8
 91 48.1 37.8 56.8
 77 20.3 16.1 24.1





#75

1,3-Dichlorobenzene

Concen: 2.22 ppbv

RT: 19.17 min Scan# 2638

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

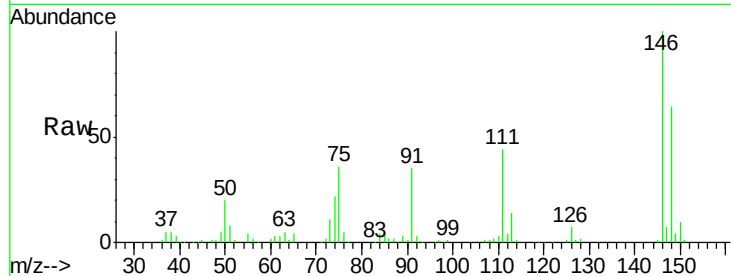
Tot Ion:146 Resp: 438428

Ion Ratio Lower Upper

146 100

111 43.4 21.9 65.5

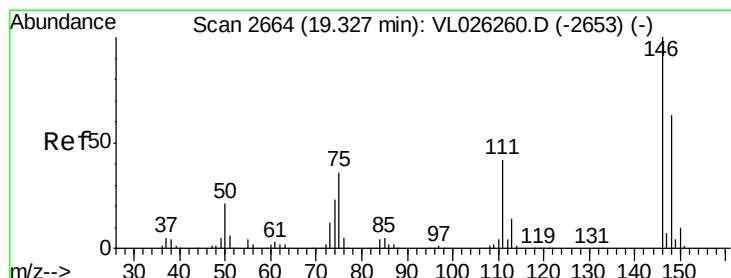
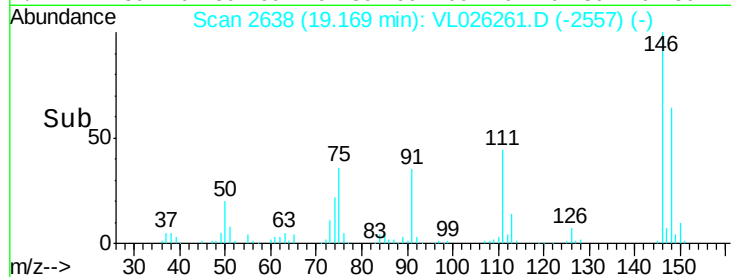
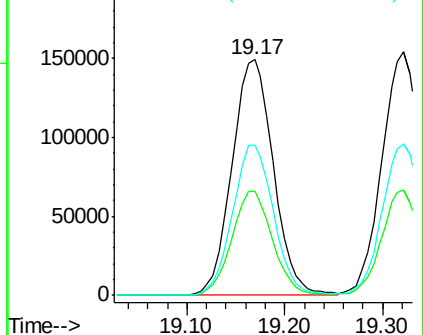
148 63.1 31.8 95.3



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: 2.16 ppbv

RT: 19.32 min Scan# 2663

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

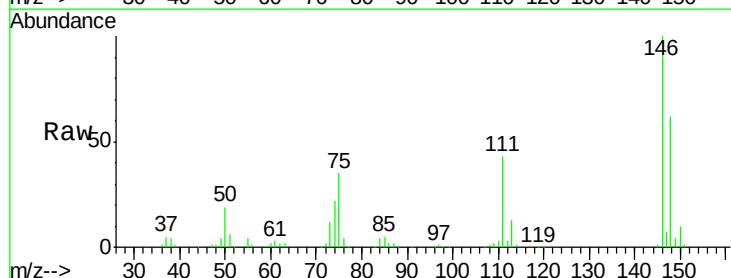
Tgt Ion:146 Resp: 443640

Ion Ratio Lower Upper

146 100

111 43.3 21.1 63.4

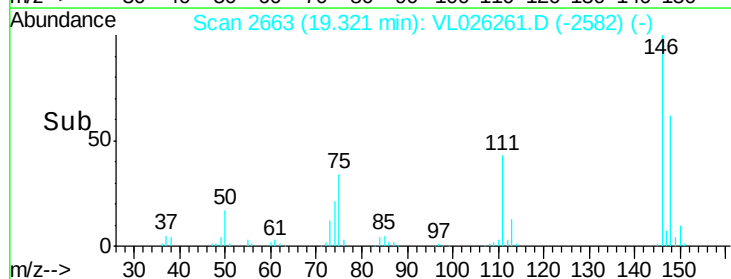
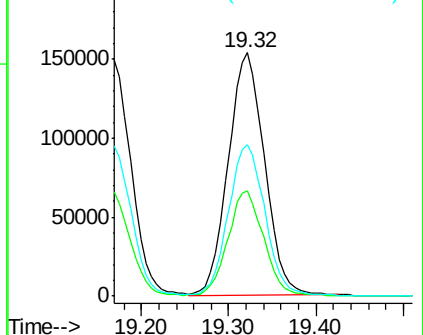
148 63.6 31.8 95.3

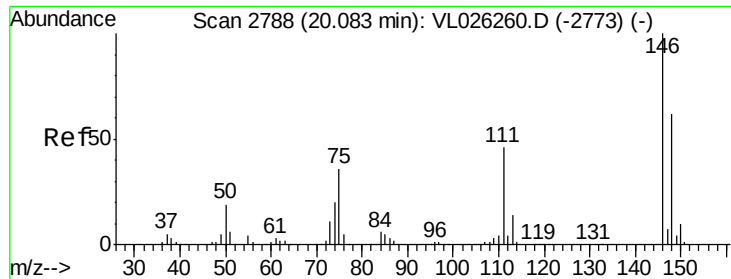


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

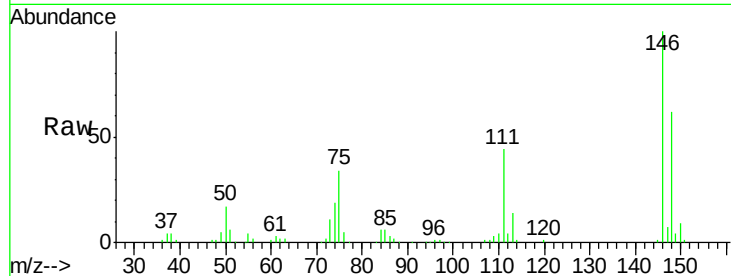




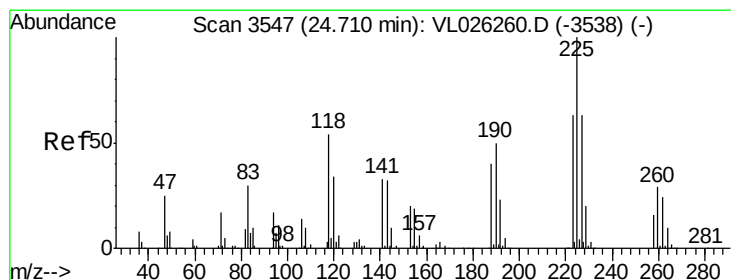
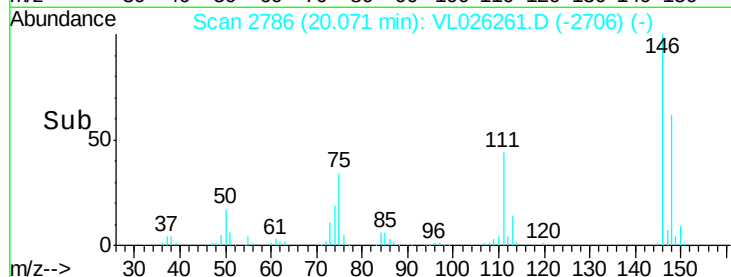
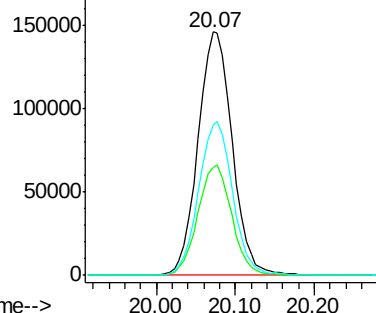
#77
 1,2-Dichlorobenzene
 Concen: 2.22 ppbv
 RT: 20.07 min Scan# 2786
 Delta R.T. -0.01 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:146 Resp: 441241
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.8 68.3
 148 62.6 31.6 94.8

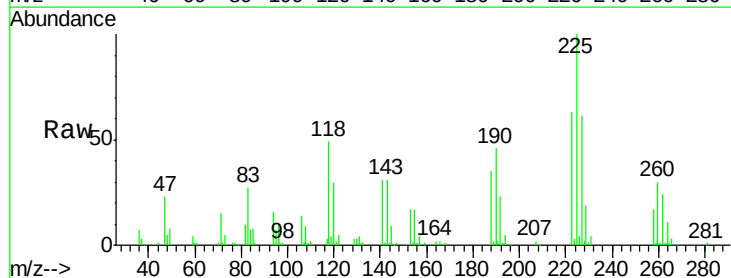


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

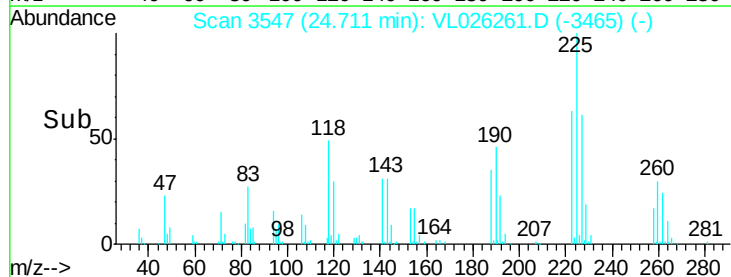
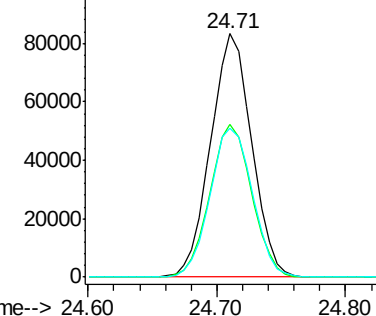


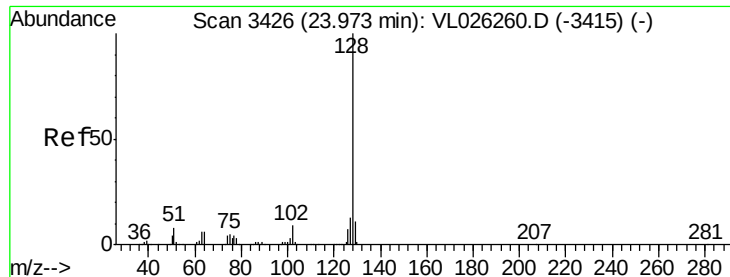
#78
 Hexachloro-1,3-Butadiene
 Concen: 1.85 ppbv
 RT: 24.71 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VL026261.D
 Acq: 29 Oct 2015 10:02

Tgt Ion:225 Resp: 183980
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.0 76.6
 227 63.1 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: 1.95 ppbv

RT: 23.97 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

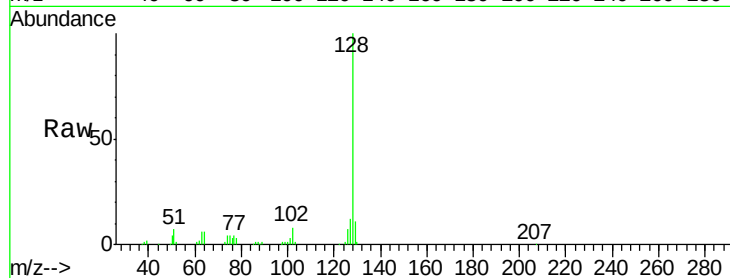
Tot Ion:128 Resp: 506193

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

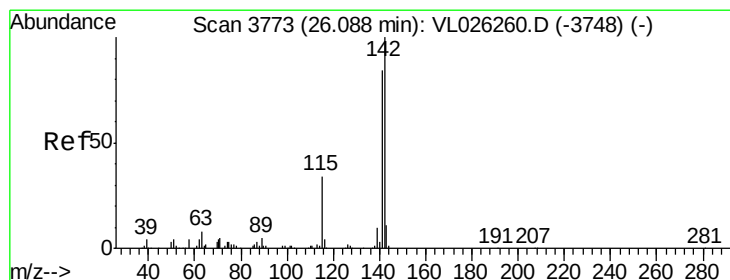
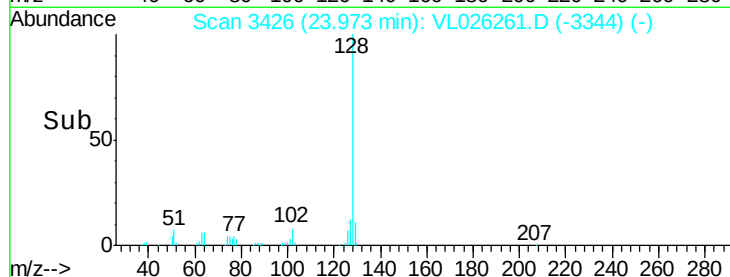
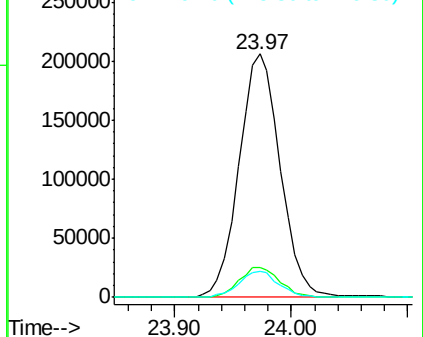
129 10.9 8.8 13.2



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: 2.22 ppbv

RT: 26.09 min Scan# 3773

Delta R.T. 0.00 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

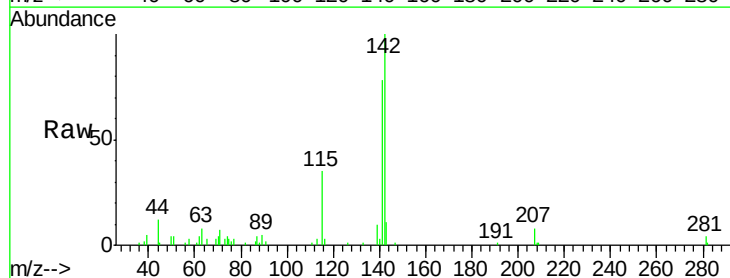
Tgt Ion:142 Resp: 87804

Ion Ratio Lower Upper

142 100

141 82.1 66.1 99.1

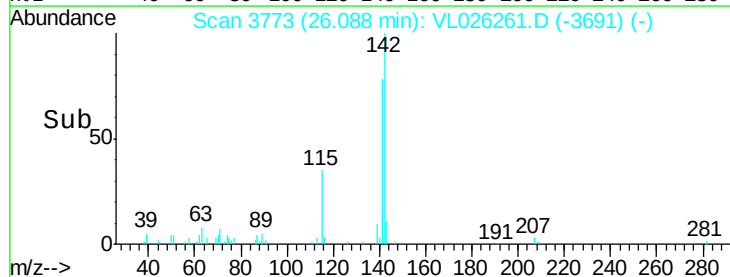
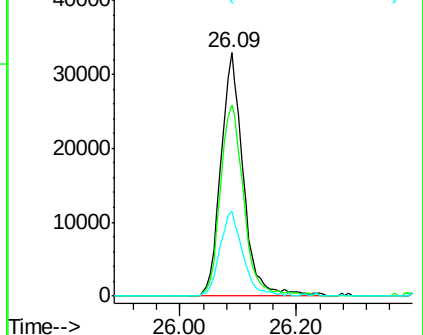
115 35.8 28.1 42.1

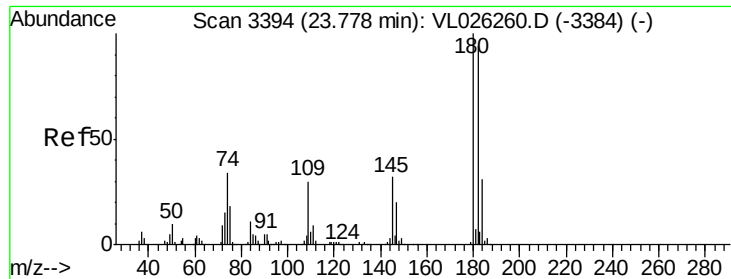


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 2.02 ppbv

RT: 23.77 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL026261.D

Acq: 29 Oct 2015 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

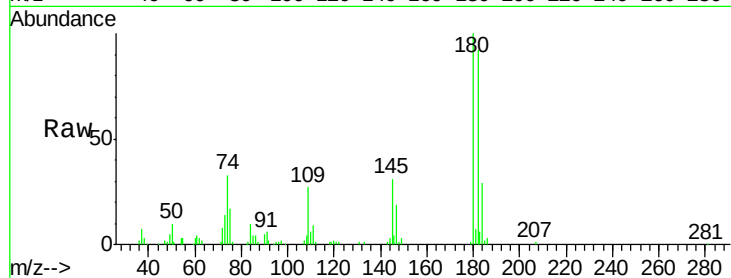
Tot Ion:180 Resp: 254516

Ion Ratio Lower Upper

180 100

182 94.6 76.0 114.0

184 29.6 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

