

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026267.D
 Acq On : 29 Oct 2015 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Quant Time: Oct 29 15:52:33 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	581663	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1735130	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	2421794	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.35	95	1525972	8.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	1121407	9.00	ppbv	100
3) Chlorodifluoromethane	3.60	51	625061	8.53	ppbv	99
4) Chloromethane	3.78	50	391474	9.36	ppbv	100
5) Vinyl Chloride	3.92	62	400497	8.70	ppbv	100
6) Bromomethane	4.17	94	283398	9.33	ppbv	99
7) Chloroethane	4.27	64	171719	9.41	ppbv	97
8) Dichlorotetrafluoroethane	3.83	85	926739	8.77	ppbv	100
9) Propene	3.62	41	380933	10.81	ppbv	97
10) Heptane	9.40	43	1085721	9.13	ppbv	100
11) Trichlorofluoromethane	4.73	101	1040326	8.83	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	707839	9.00	ppbv	100
13) Ethanol	4.35	45	49465	9.38	ppbv	93
14) Bromoethene	4.48	108	314970	9.51	ppbv	99
15) Acetone	4.64	43	691435	8.98	ppbv	99
16) 1,3-Butadiene	4.00	39	378266	9.96	ppbv	94
17) tert-Butyl alcohol	5.15	59	577046	10.44	ppbv	99
18) 1,1-Dichloroethene	5.12	96	334562	9.37	ppbv	94
19) Isopropyl Alcohol	4.78	45	335809	10.17	ppbv	95
20) Methylene Chloride	5.18	84	306006	9.12	ppbv	97
21) Allyl Chloride	5.26	41	529422	9.75	ppbv	99
22) trans-1,2-Dichloroethene	5.81	96	445208	9.34	ppbv	96
23) Vinyl Acetate	6.03	43	1477339	9.95	ppbv	99
24) 1,1-Dichloroethane	5.95	63	927585	9.09	ppbv	99
25) Ethyl Acetate	6.71	43	1471580	9.17	ppbv	100
26) Hexane	6.70	57	721117	9.18	ppbv	99
27) Carbon Disulfide	5.43	76	934116	9.94	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	1292172	9.39	ppbv	99
29) Chloroform	6.79	83	1043896	8.97	ppbv	100
30) Cyclohexane	8.33	84	724637	9.39	ppbv	99
31) cis-1,2-Dichloroethene	6.56	61	680752	9.41	ppbv	98
32) 1,1,1-Trichloroethane	7.64	97	1085683	8.43	ppbv	99
34) 2-Butanone	6.24	43	943981	9.01	ppbv	100
35) Carbon Tetrachloride	8.21	117	1107211	8.47	ppbv	98
36) Benzene	8.07	78	1639385	8.93	ppbv	99
37) 1,2-Dichloroethane	7.42	62	845899	8.93	ppbv	100
38) Trichloroethene	9.11	130	649468	7.36	ppbv	97
39) 1,2-Dichloropropane	8.87	63	592929	8.87	ppbv	98
40) 1,4-Dioxane	9.16	88	140093	12.25	ppbv	91
41) Tetrahydrofuran	7.16	42	569599	9.41	ppbv	100
42) Bromodichloromethane	9.07	83	1170980	9.23	ppbv	100
43) Methyl Methacrylate	9.31	69	621851	9.52	ppbv	100

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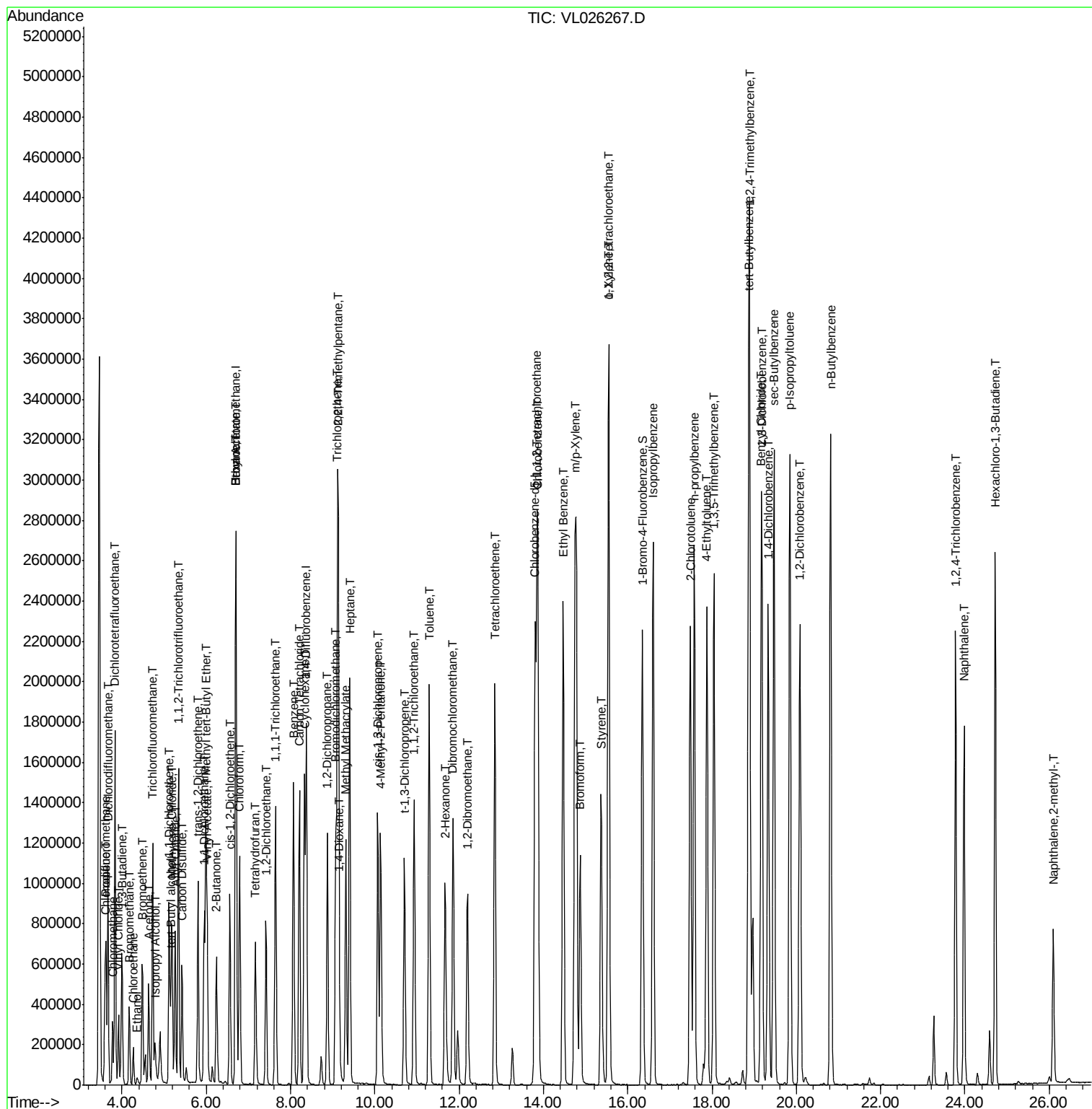
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	2585981	8.63	ppbv	100
45) t-1,3-Dichloropropene	10.70	75	926510	10.07	ppbv	100
46) cis-1,3-Dichloropropene	10.07	75	1079161	9.64	ppbv	100
47) 1,1,2-Trichloroethane	10.93	97	699989	8.66	ppbv	99
48) Dibromochloromethane	11.85	129	1095964	9.48	ppbv	100
49) Bromoform	14.87	173	890682	9.92	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	1312993	9.36	ppbv	100
51) 2-Hexanone	11.66	43	1264287	9.90	ppbv #	100
52) Tetrachloroethene	12.85	164	690783	7.46	ppbv	100
53) Toluene	11.29	91	2121048	8.89	ppbv	99
54) 1,2-Dibromoethane	12.19	107	1066799	8.72	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	784741	7.39	ppbv	98
57) Chlorobenzene	13.87	112	1701289	7.09	ppbv	99
58) Ethyl Benzene	14.47	91	2958276	7.43	ppbv	100
59) m/p-Xylene	14.77	91	4511949	14.31	ppbv #	100
60) o-Xylene	15.55	91	2292665	6.96	ppbv	100
61) Styrene	15.36	104	1146980	8.19	ppbv	100
62) Isopropylbenzene	16.60	105	3219249	7.20	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	1544095	6.02	ppbv	100
64) n-propylbenzene	17.58	120	887924	7.31	ppbv	97
65) tert-Butylbenzene	18.87	119	2806659	6.95	ppbv	100
66) Benzyl Chloride	19.16	91	1182645	9.40	ppbv	100
67) sec-Butylbenzene	19.47	105	4083359	7.13	ppbv	100
69) p-Isopropyltoluene	19.85	119	3365937	7.22	ppbv	100
70) n-Butylbenzene	20.81	91	3270228	7.37	ppbv	100
71) 2-Chlorotoluene	17.49	91	2443645	7.40	ppbv	100
72) 4-Ethyltoluene	17.88	105	2768128	7.48	ppbv	99
73) 1,3,5-Trimethylbenzene	18.05	105	2546049	7.29	ppbv	98
74) 1,2,4-Trimethylbenzene	18.89	105	2521922	6.90	ppbv	94
75) 1,3-Dichlorobenzene	19.18	146	1681183	7.10	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	1749232	7.27	ppbv	100
77) 1,2-Dichlorobenzene	20.09	146	1698590	7.19	ppbv	100
78) Hexachloro-1,3-Butadiene	24.72	225	662518	6.92	ppbv	99
79) Naphthalene	23.98	128	2149128	8.22	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	643502	13.34	ppbv	94
81) 1,2,4-Trichlorobenzene	23.78	180	996483	7.63	ppbv	99

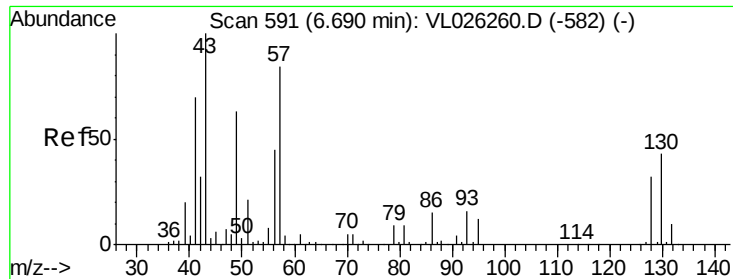
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

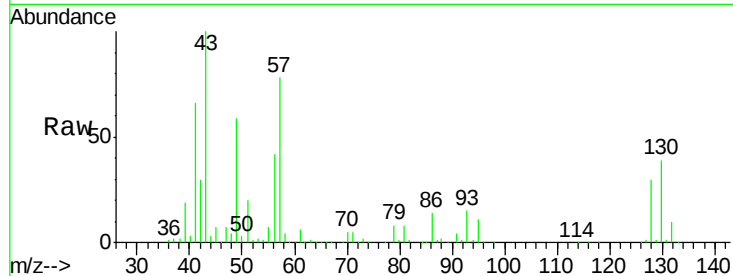
Tot Ion: 49 Resp: 581663

Ion Ratio Lower Upper

49 100

128 52.8 26.7 80.1

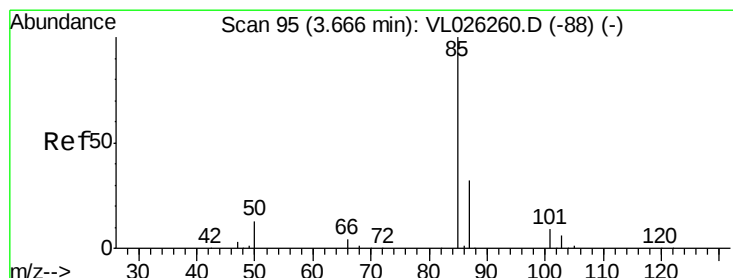
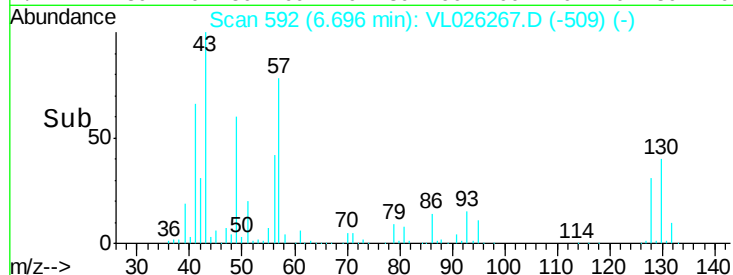
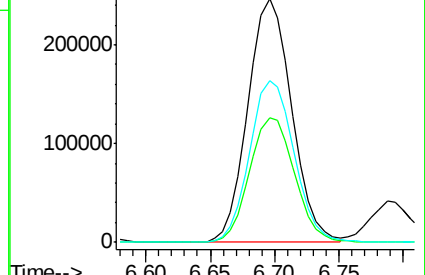
130 68.0 34.4 103.2



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: 9.00 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026267.D

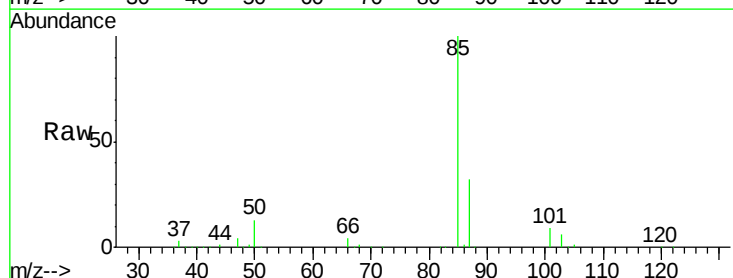
Acq: 29 Oct 2015 15:15

Tgt Ion: 85 Resp: 1121407

Ion Ratio Lower Upper

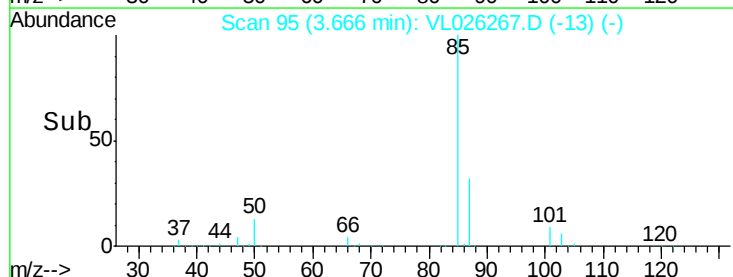
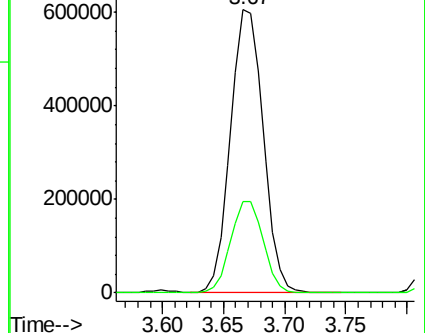
85 100

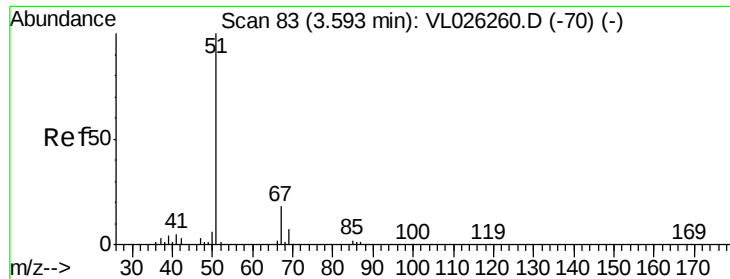
87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.53 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

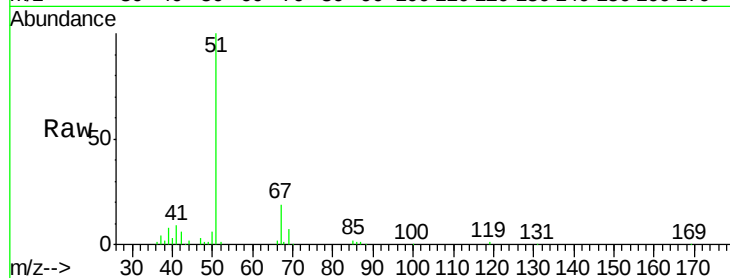
ICVVL102915

Tot Ion: 51 Resp: 625061

Ion Ratio Lower Upper

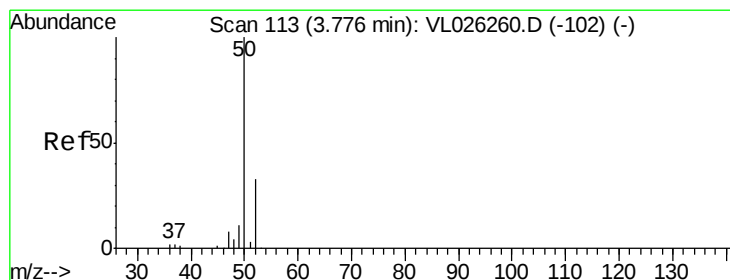
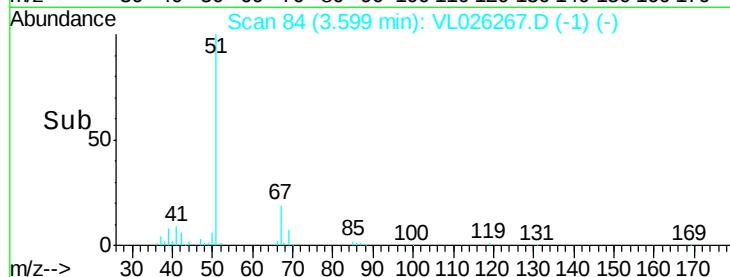
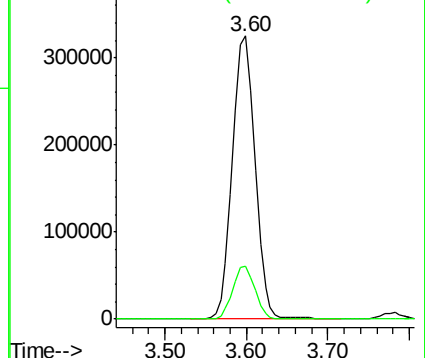
51 100

67 18.4 14.5 21.7



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.36 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026267.D

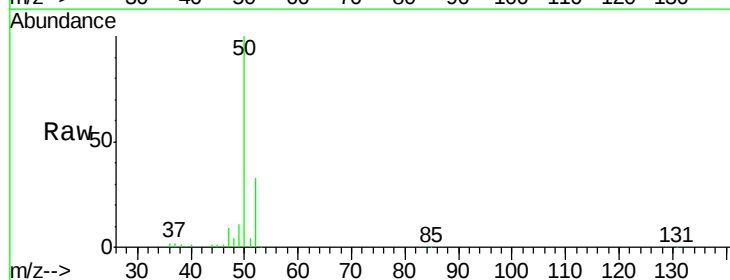
Acq: 29 Oct 2015 15:15

Tgt Ion: 50 Resp: 391474

Ion Ratio Lower Upper

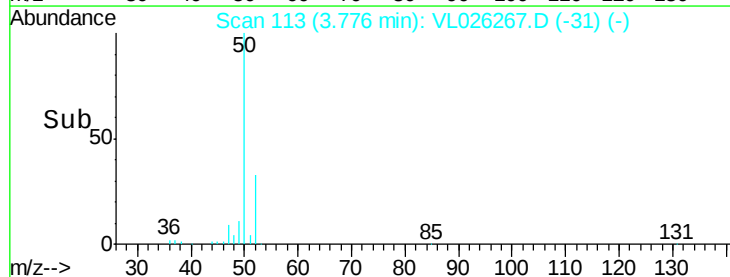
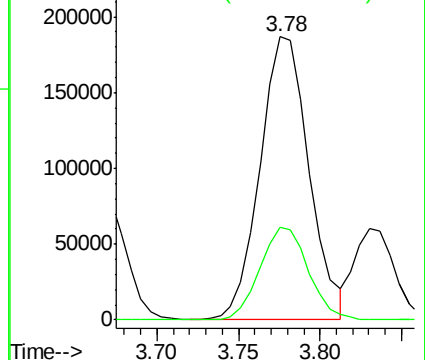
50 100

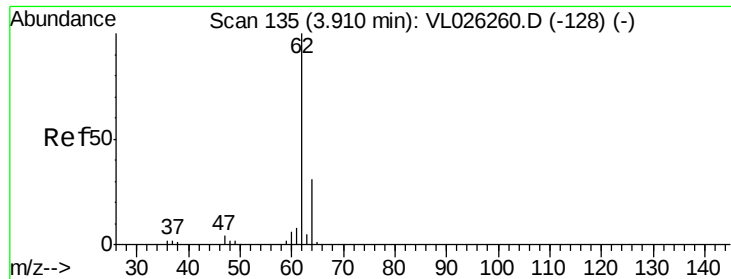
52 32.7 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.70 ppbv

RT: 3.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

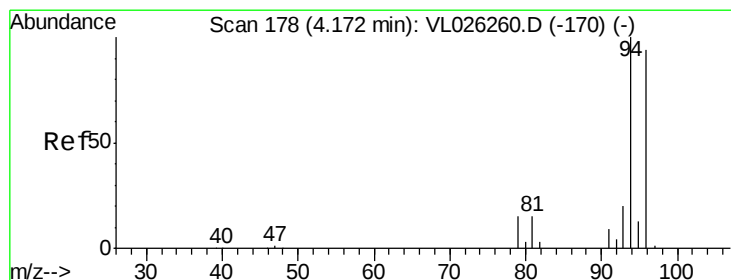
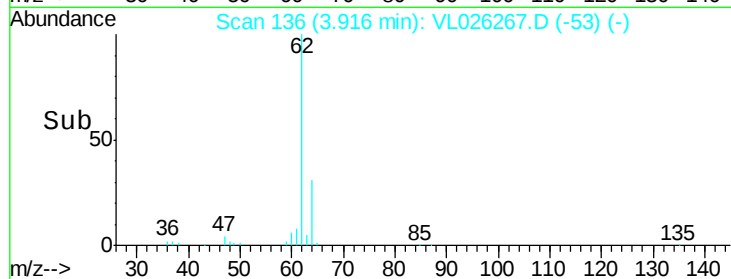
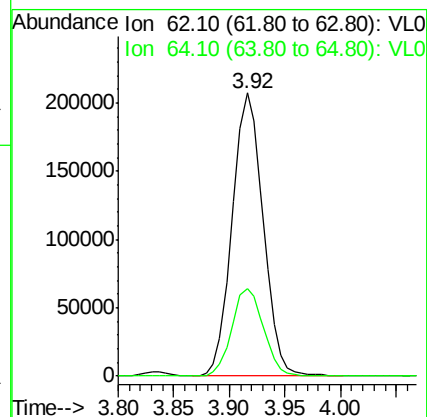
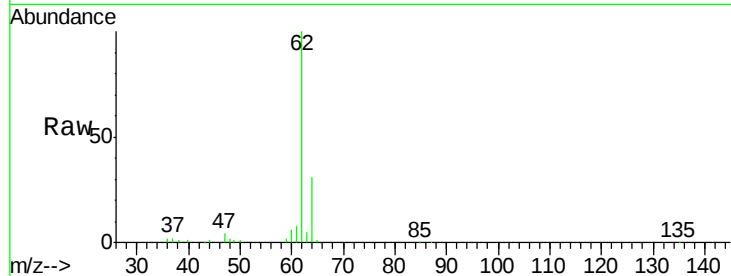
ICVVL102915

Tot Ion: 62 Resp: 400497

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3



#6

Bromomethane

Concen: 9.33 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026267.D

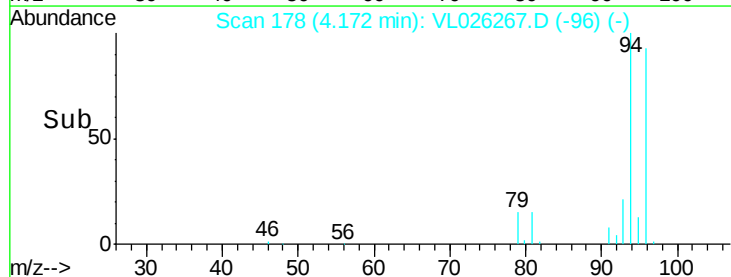
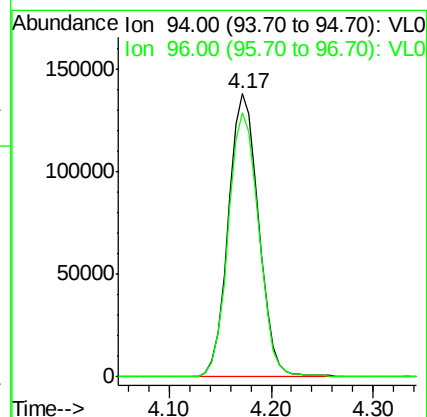
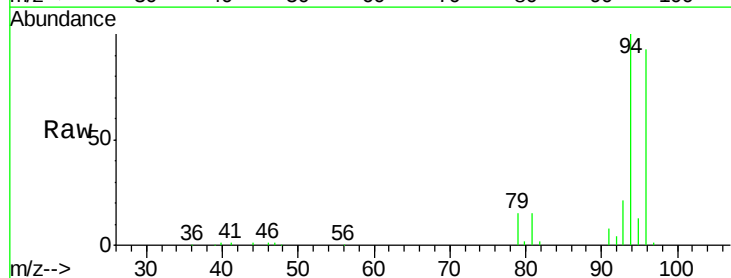
Acq: 29 Oct 2015 15:15

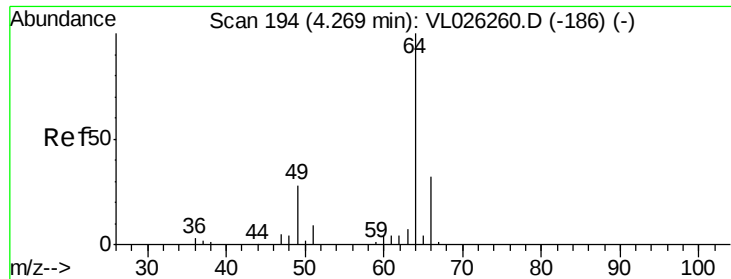
Tgt Ion: 94 Resp: 283398

Ion Ratio Lower Upper

94 100

96 93.3 75.5 113.3





#7

Chloroethane

Concen: 9.41 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

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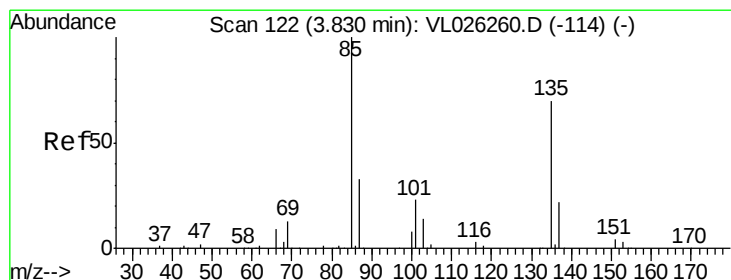
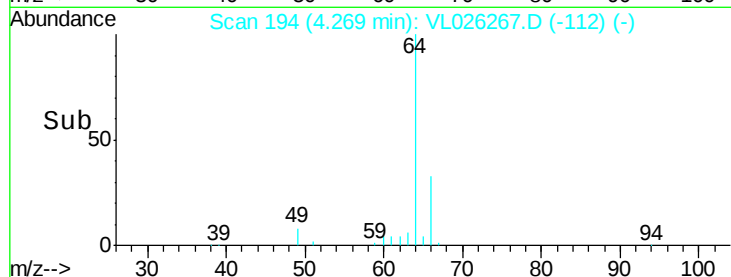
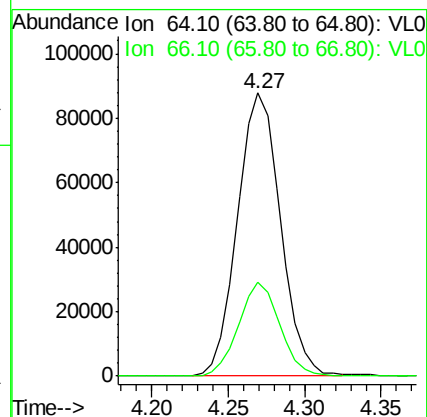
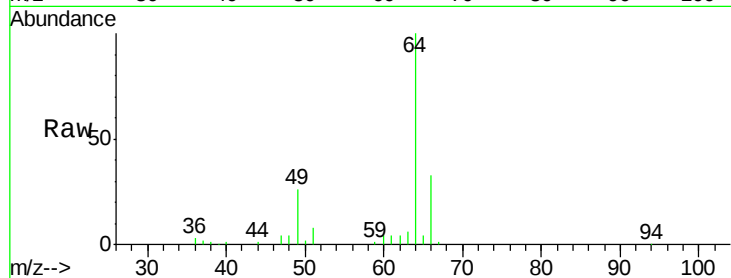
ICVVL102915

Tot Ion: 64 Resp: 171719

Ion Ratio Lower Upper

64 100

66 33.1 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 8.77 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026267.D

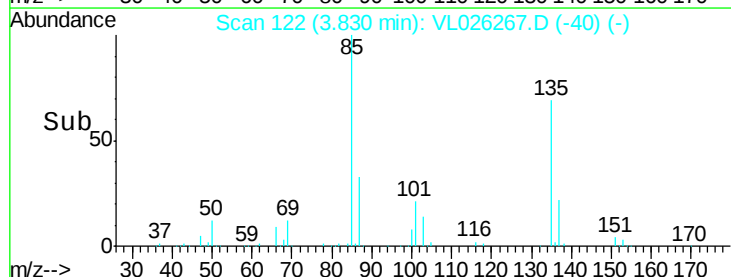
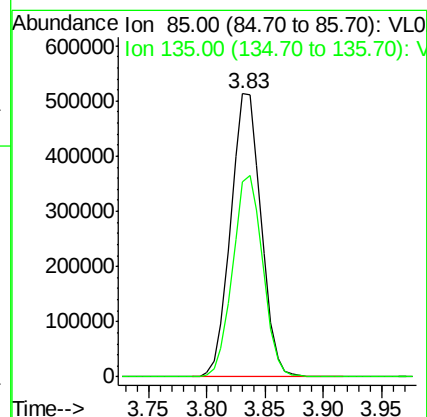
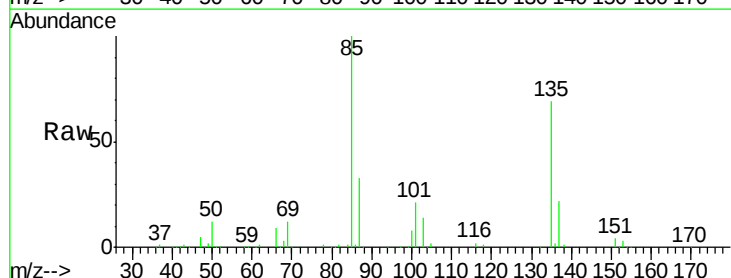
Acq: 29 Oct 2015 15:15

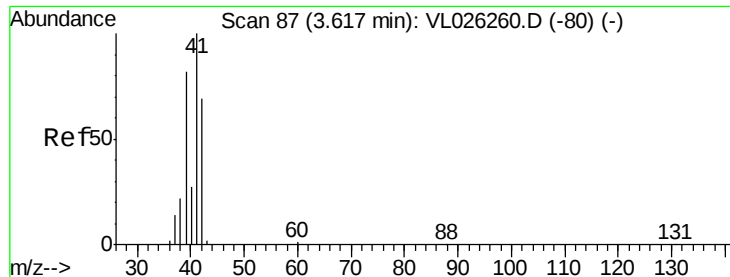
Tgt Ion: 85 Resp: 926739

Ion Ratio Lower Upper

85 100

135 71.0 56.6 84.8





#9

Propene

Concen: 10.81 ppbv

RT: 3.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VL026267.D

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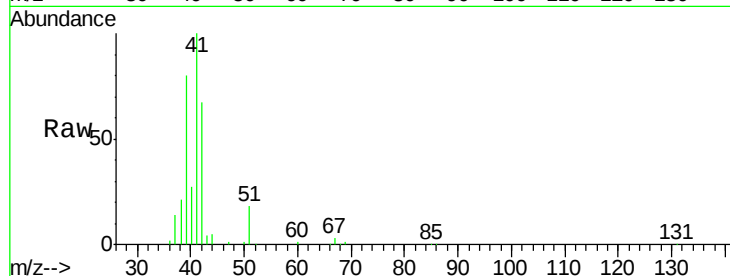
ICVVL102915

Tot Ion: 41 Resp: 380933

Ion Ratio Lower Upper

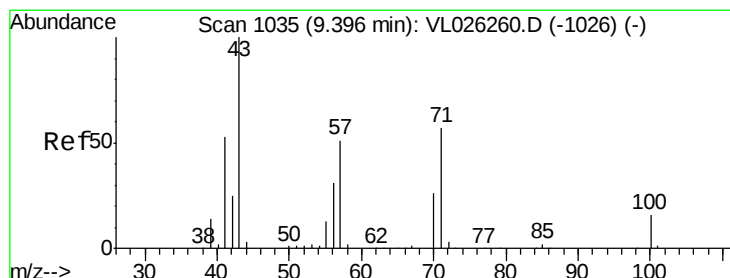
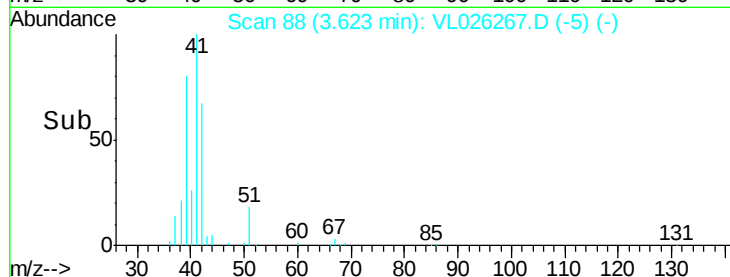
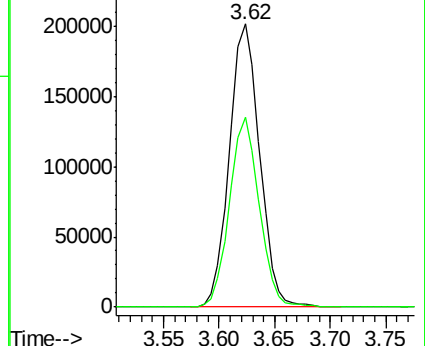
41 100

42 65.9 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: 9.13 ppbv

RT: 9.40 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VL026267.D

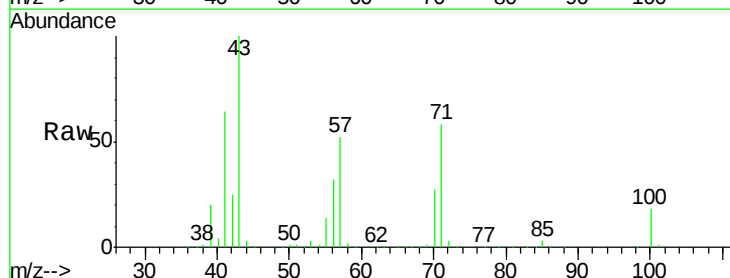
Acq: 29 Oct 2015 15:15

Tgt Ion: 43 Resp: 1085721

Ion Ratio Lower Upper

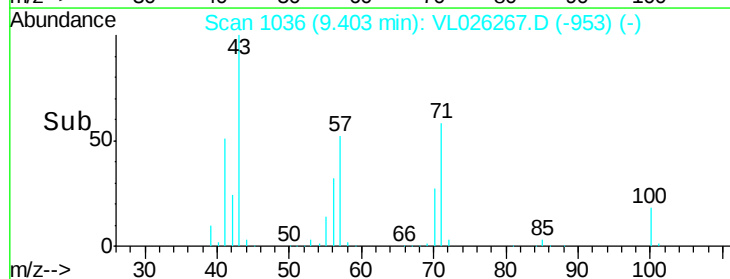
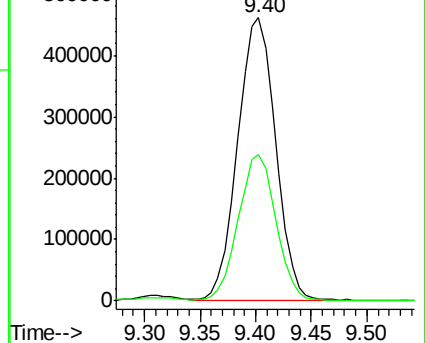
43 100

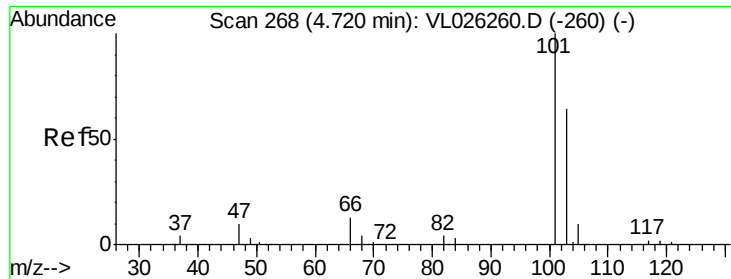
57 51.5 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.83 ppbv

RT: 4.73 min Scan# 269

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

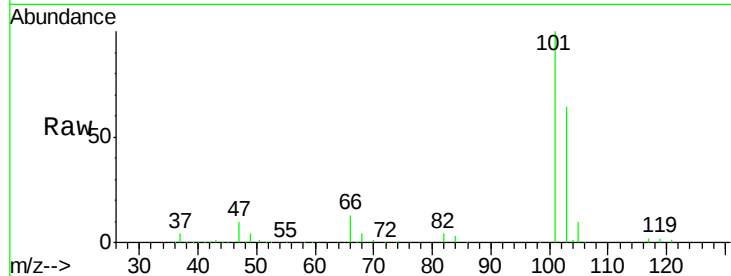
ICVVL102915

Tot Ion:101 Resp: 1040326

Ion Ratio Lower Upper

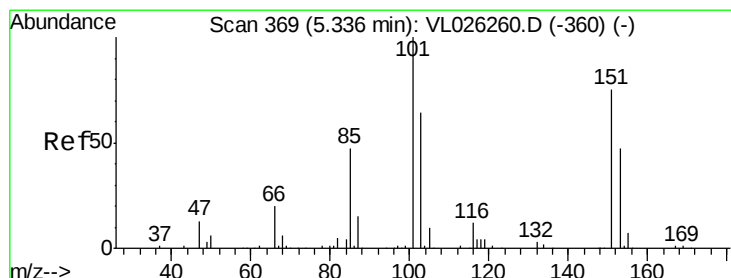
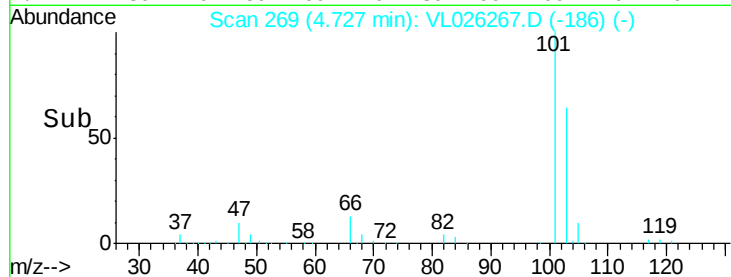
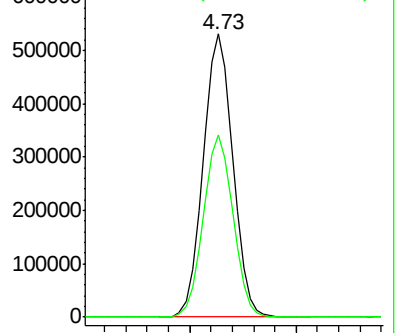
101 100

103 64.4 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: 9.00 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL026267.D

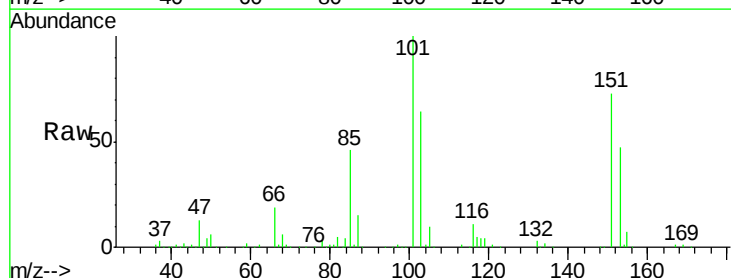
Acq: 29 Oct 2015 15:15

Tgt Ion:101 Resp: 707839

Ion Ratio Lower Upper

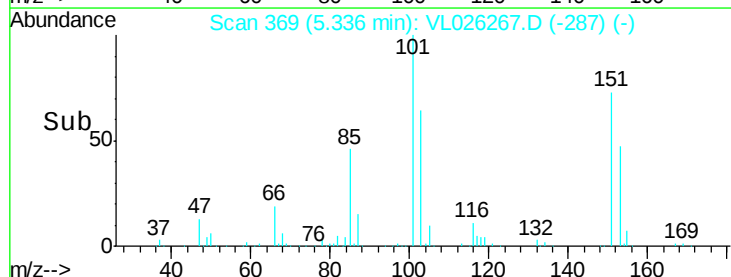
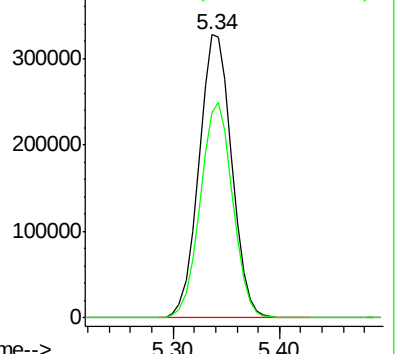
101 100

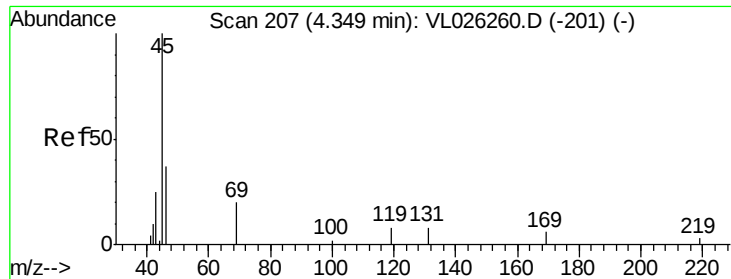
151 75.2 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.38 ppbv

RT: 4.35 min Scan# 208

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

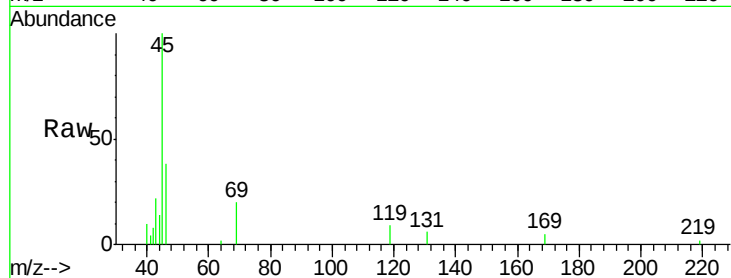
ICVVL102915

Tot Ion: 45 Resp: 49465

Ion Ratio Lower Upper

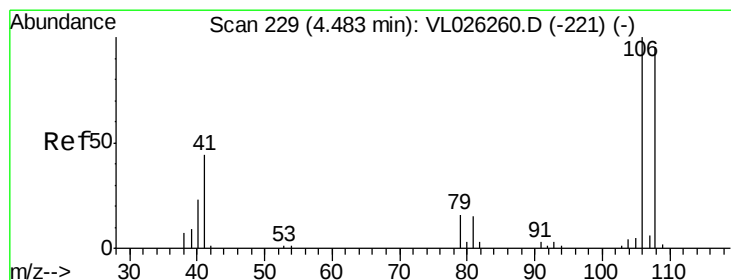
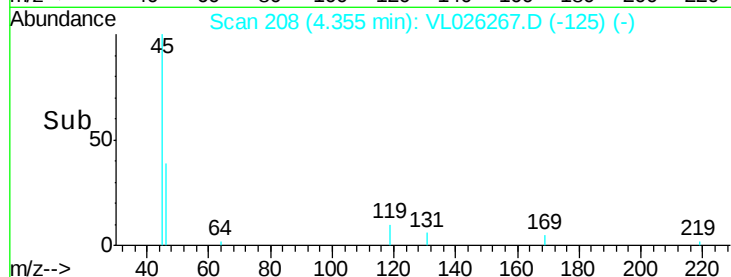
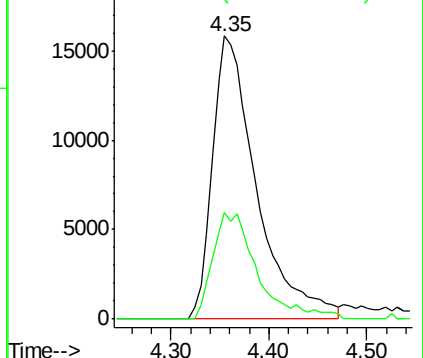
45 100

46 38.0 17.0 68.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.51 ppbv

RT: 4.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

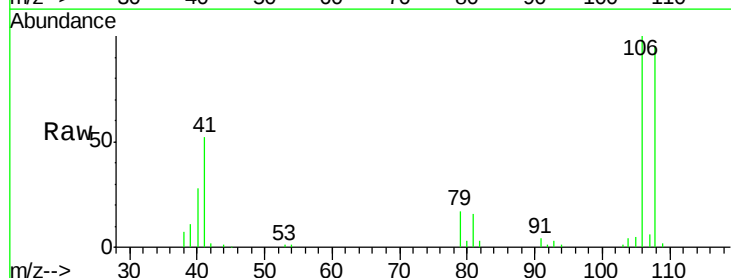
Tgt Ion: 108 Resp: 314970

Ion Ratio Lower Upper

108 100

106 105.7 85.4 128.0

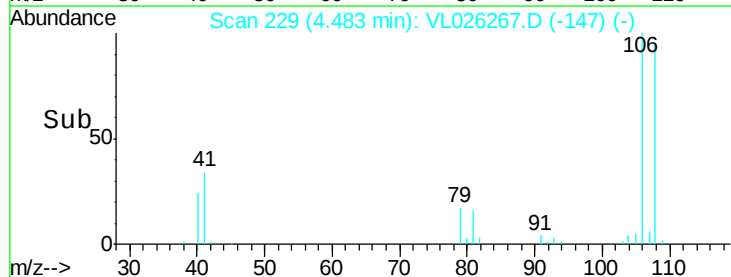
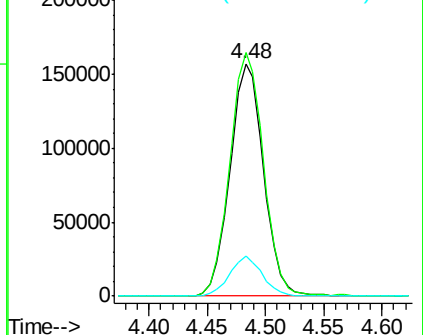
79 16.6 13.5 20.3

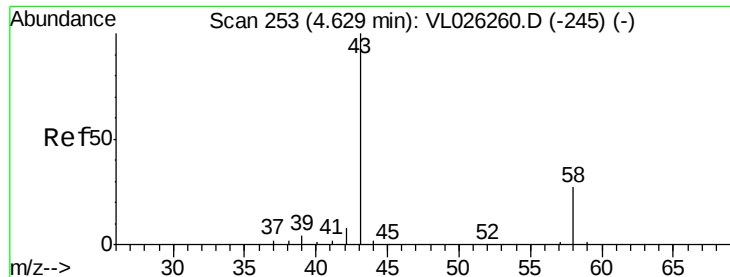


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.98 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

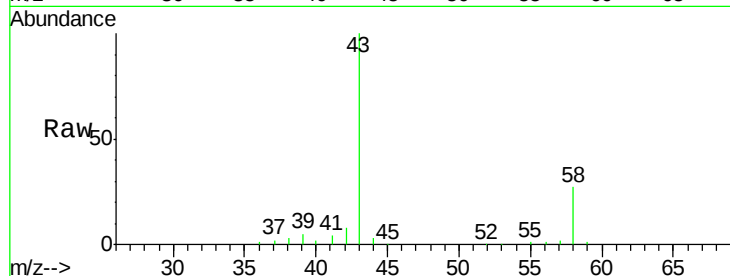
ICVVL102915

Tot Ion: 43 Resp: 691435

Ion Ratio Lower Upper

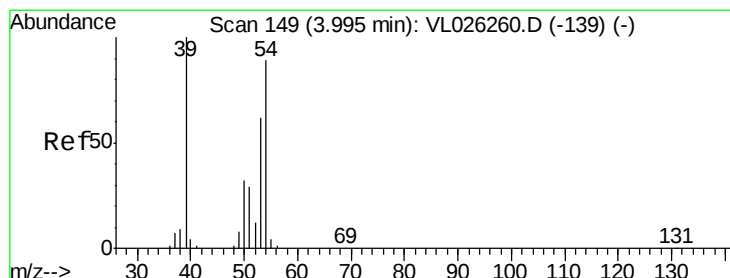
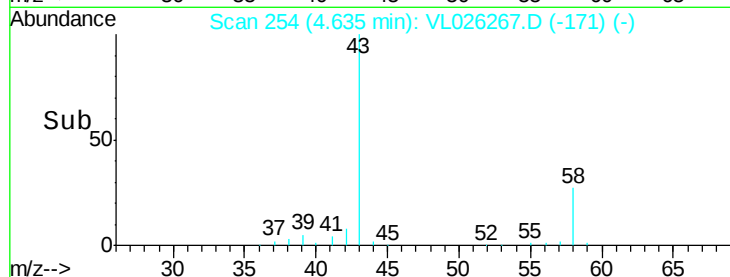
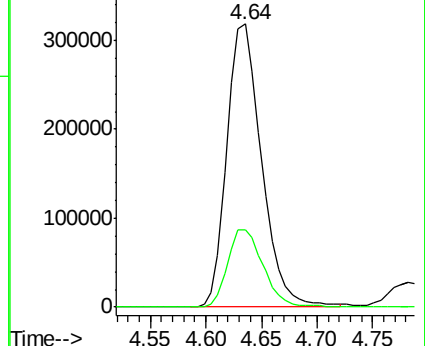
43 100

58 28.2 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: 9.96 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026267.D

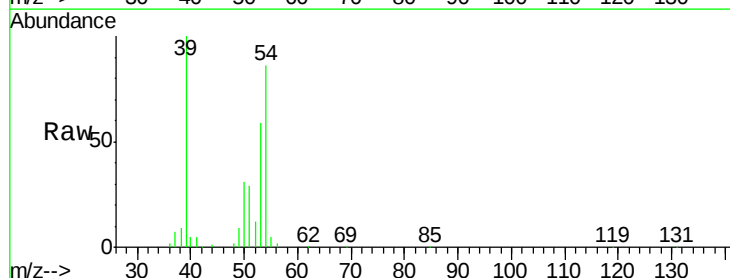
Acq: 29 Oct 2015 15:15

Tgt Ion: 39 Resp: 378266

Ion Ratio Lower Upper

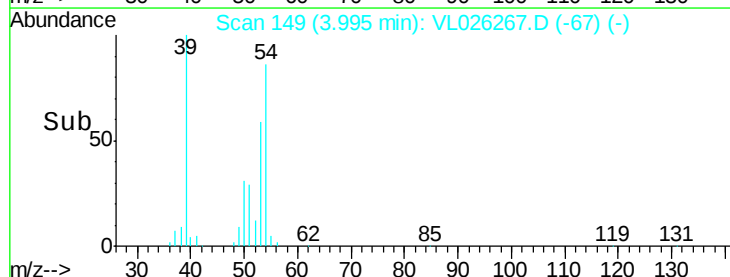
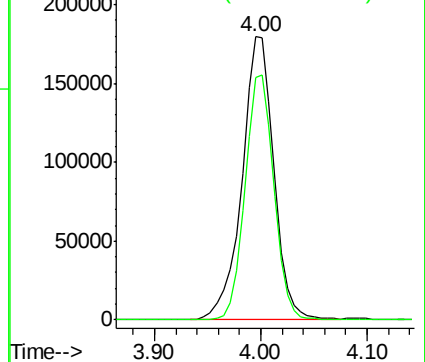
39 100

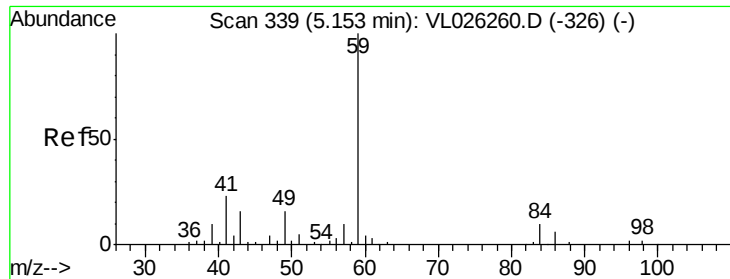
54 78.5 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

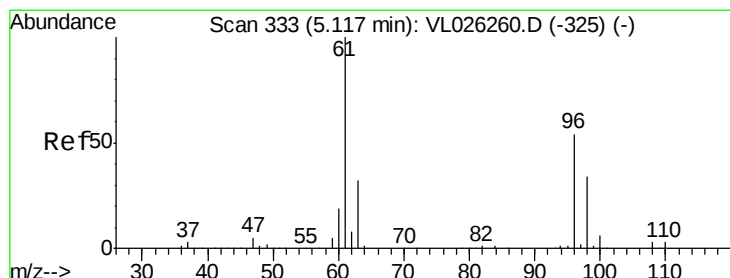
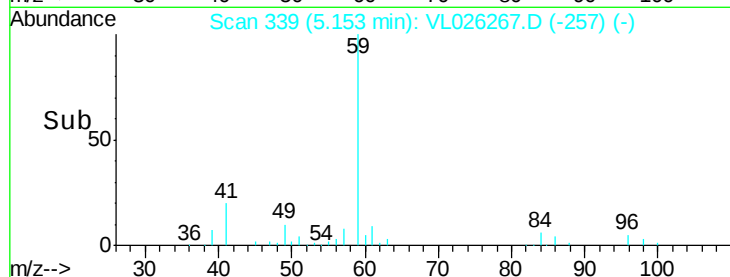
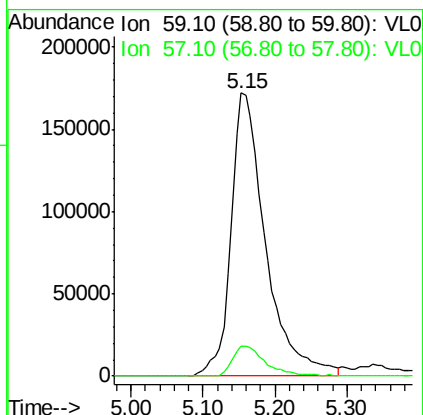
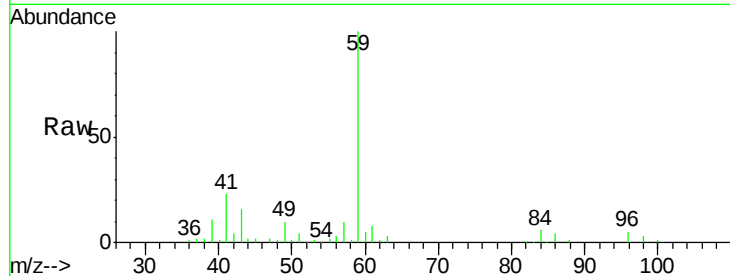




#17
 tert-Butyl alcohol
 Concen: 10.44 ppbv
 RT: 5.15 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

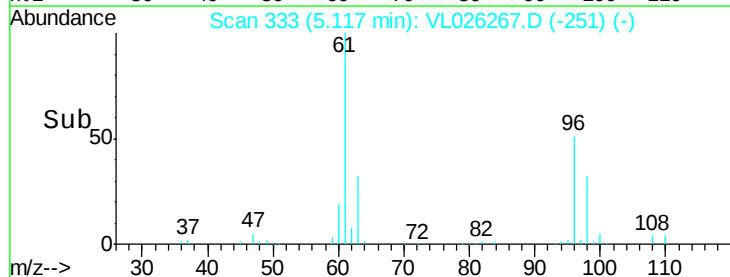
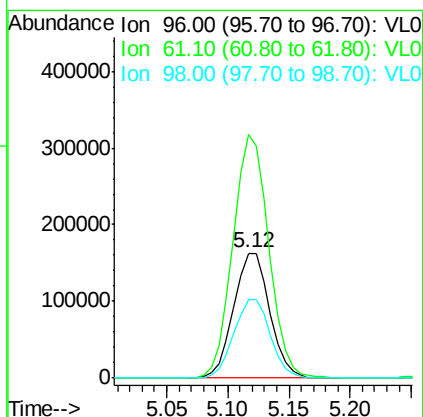
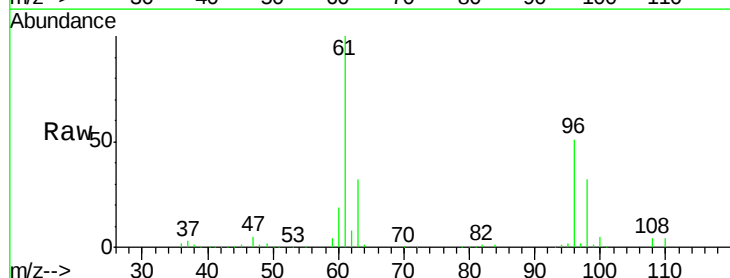
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

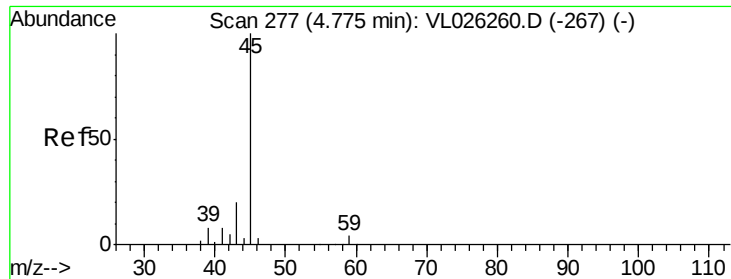
Tot Ion: 59 Resp: 577046
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.7 13.1



#18
 1,1-Dichloroethene
 Concen: 9.37 ppbv
 RT: 5.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion: 96 Resp: 334562
 Ion Ratio Lower Upper
 96 100
 61 195.4 147.0 220.4
 98 63.3 50.1 75.1





#19

Isopropyl Alcohol

Concen: 10.17 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

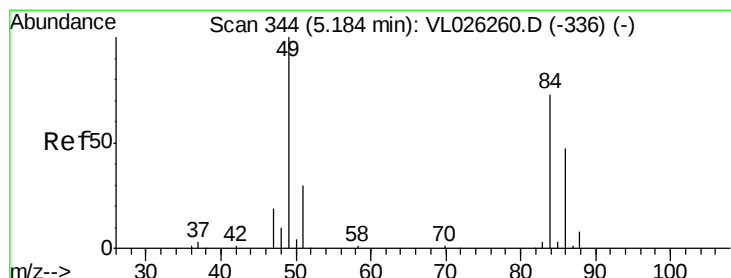
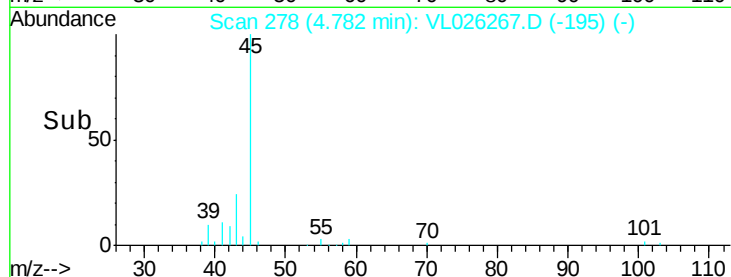
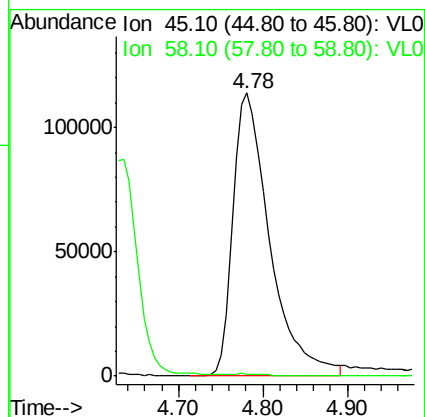
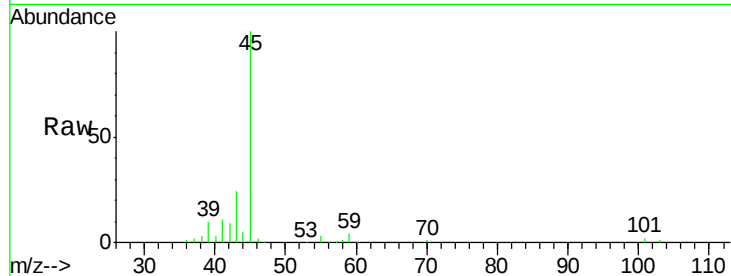
ICVVL102915

Tot Ion: 45 Resp: 335809

Ion Ratio Lower Upper

45 100

58 58.1 43.8 65.8



#20

Methylene Chloride

Concen: 9.12 ppbv

RT: 5.18 min Scan# 344

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion: 84 Resp: 306006

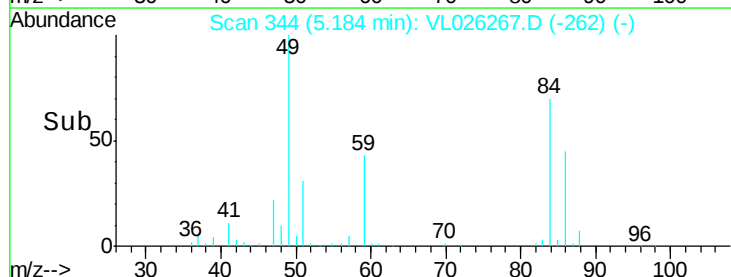
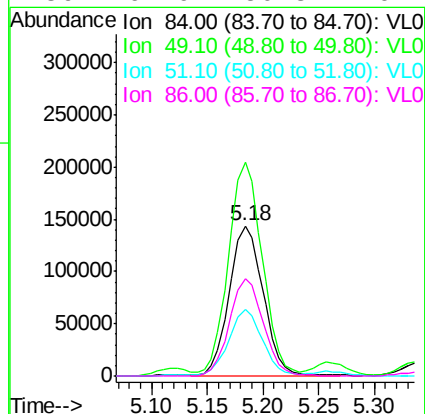
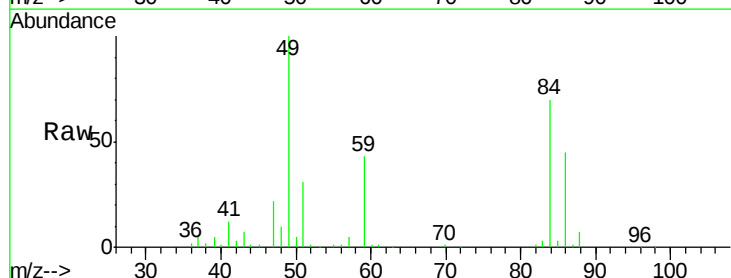
Ion Ratio Lower Upper

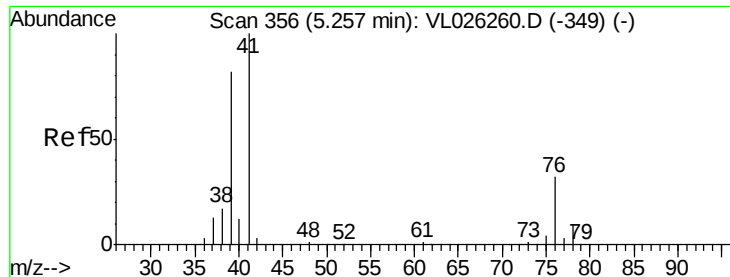
84 100

49 140.1 109.0 163.4

51 44.1 32.8 49.2

86 64.9 50.8 76.2





#21

Allvl Chloride

Concen: 9.75 ppbv

RT: 5.26 min Scan# 357

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

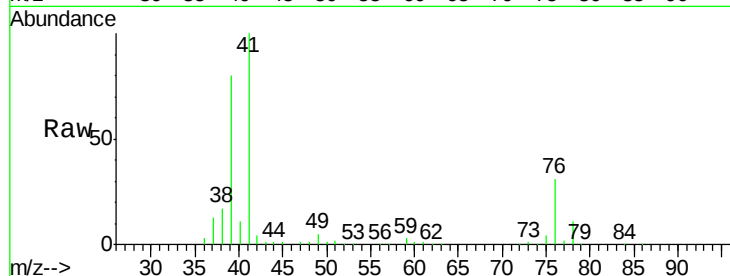
Tot Ion: 41 Resp: 529422

Ion Ratio Lower Upper

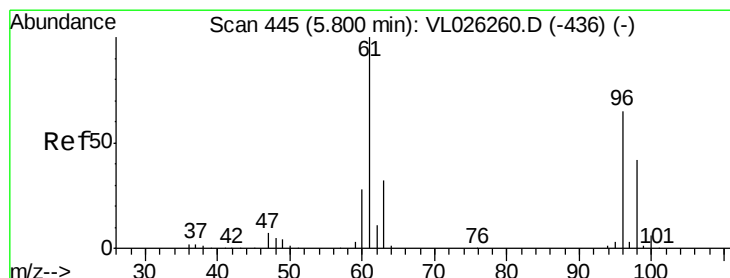
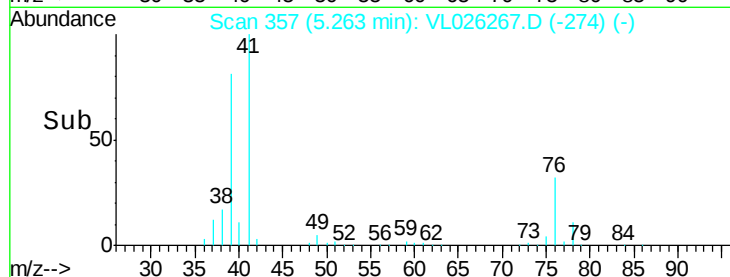
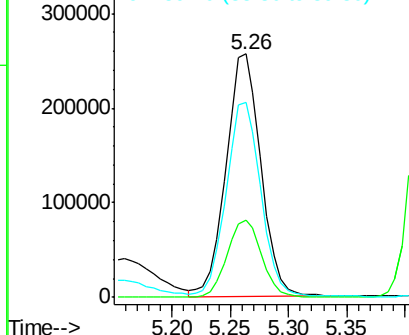
41 100

76 31.8 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: 9.34 ppbv

RT: 5.81 min Scan# 446

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

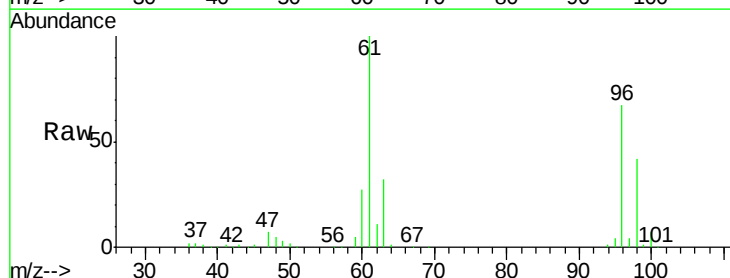
Tgt Ion: 96 Resp: 445208

Ion Ratio Lower Upper

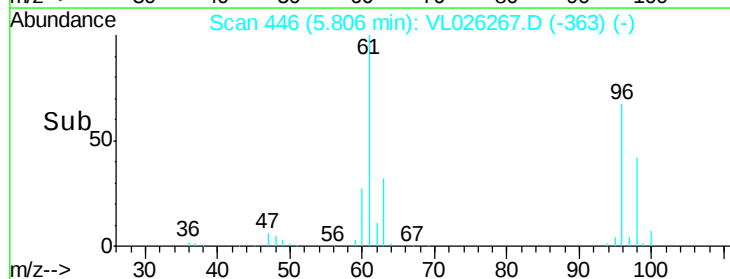
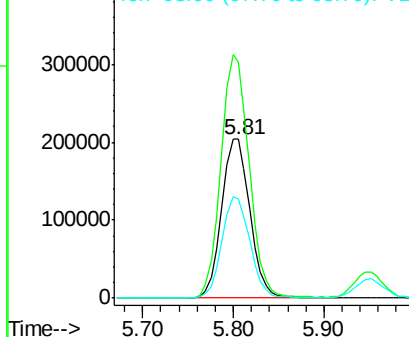
96 100

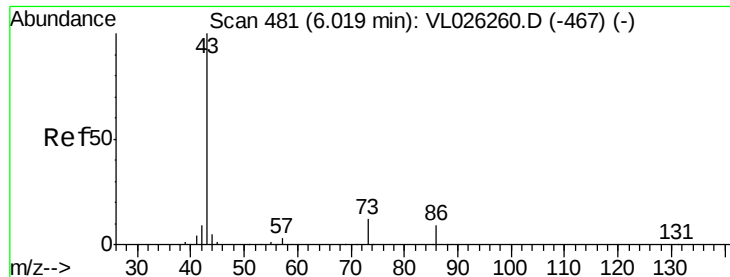
61 148.7 123.2 184.8

98 62.2 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: 9.95 ppbv

RT: 6.03 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 43 Resp: 1477339

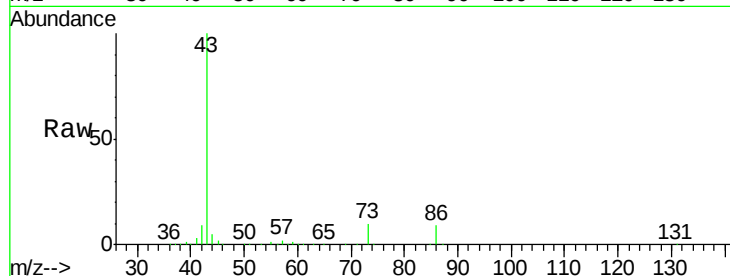
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.3	10.9
42	8.9	7.2	10.8
44	4.5	3.8	5.8

43 100

86 9.4 7.3 10.9

42 8.9 7.2 10.8

44 4.5 3.8 5.8

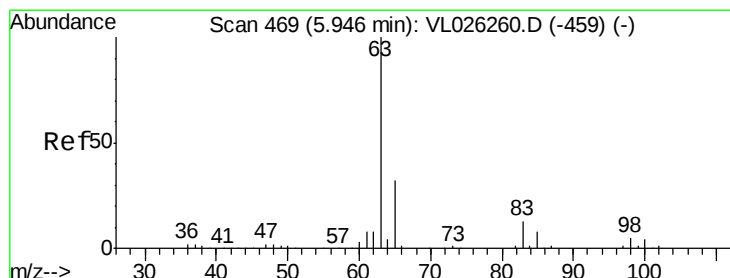
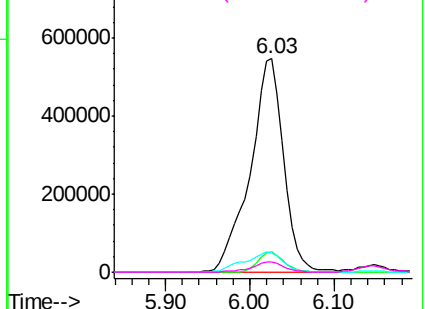
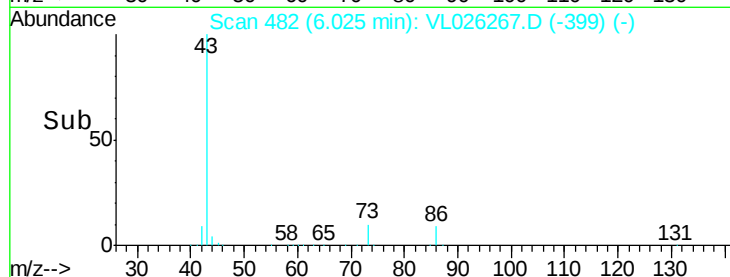


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.09 ppbv

RT: 5.95 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

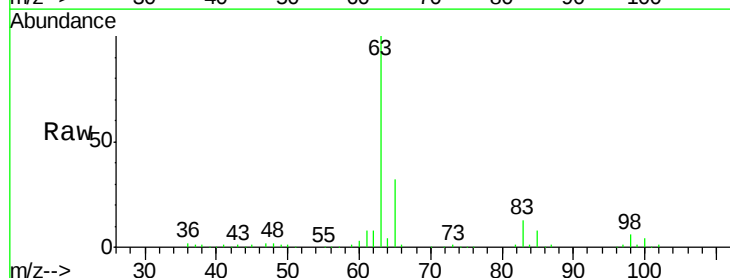
Tgt Ion: 63 Resp: 927585

Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.7	8.1
100	3.7	1.9	5.7

63 100

98 5.9 2.7 8.1

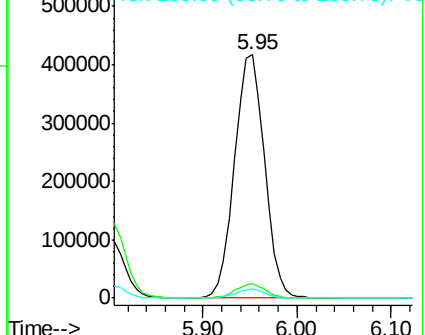
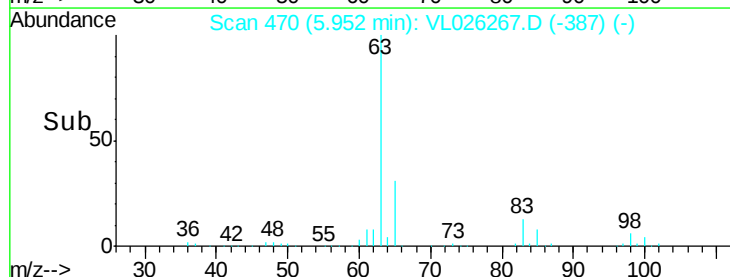
100 3.7 1.9 5.7

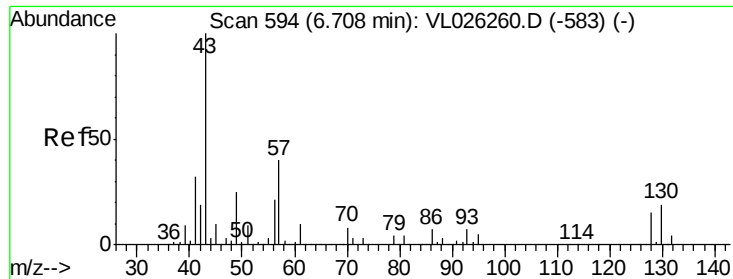


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



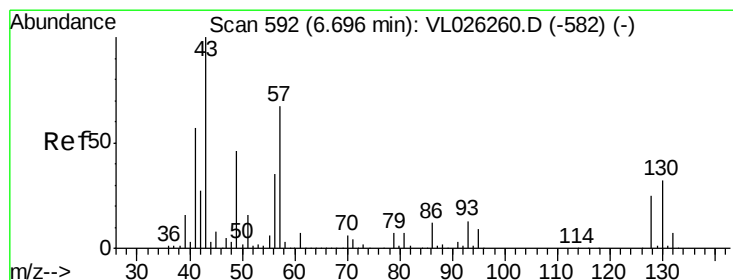
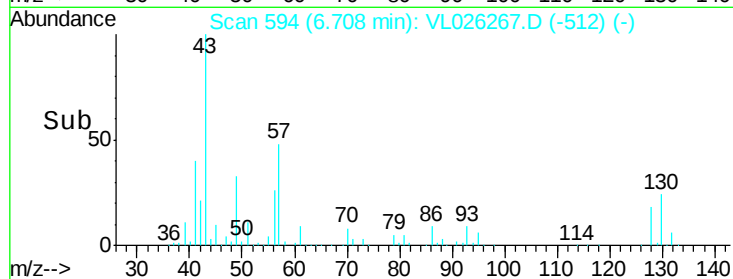
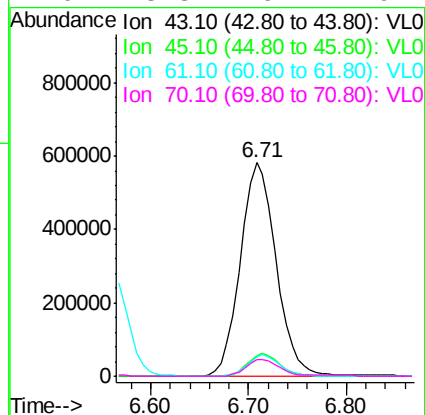
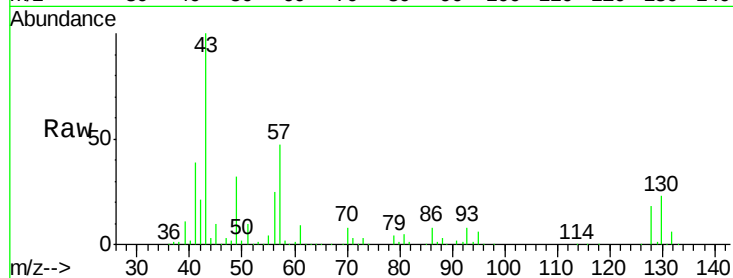


#25
Ethyl Acetate
Concen: 9.17 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion: 43 Resp: 1471580

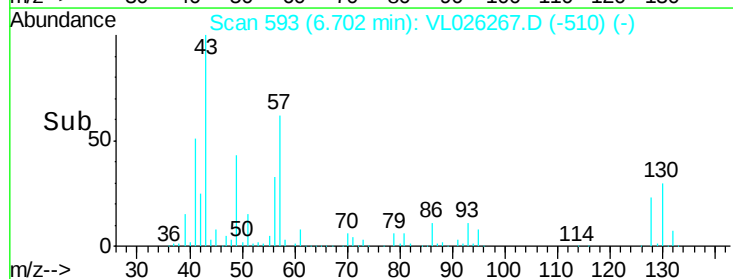
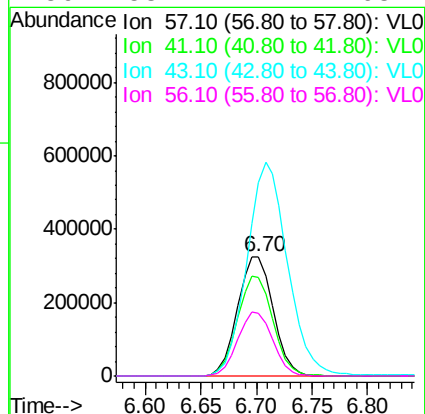
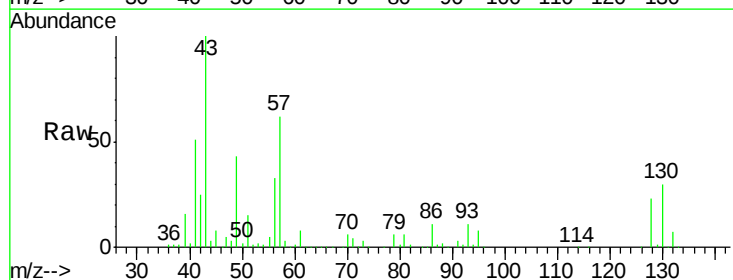
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.6	11.4
61	9.5	7.4	11.2
70	8.3	6.7	10.1

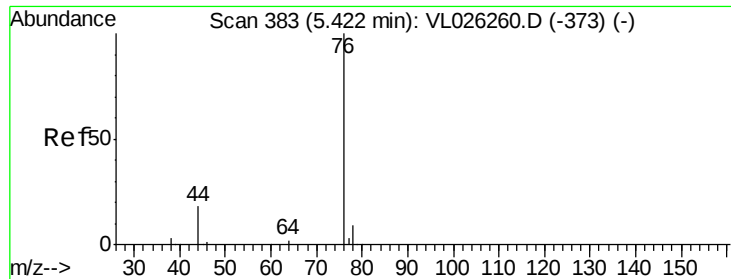


#26
Hexane
Concen: 9.18 ppbv
RT: 6.70 min Scan# 593
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 57 Resp: 721117

Ion	Ratio	Lower	Upper
57	100		
41	84.6	67.4	101.2
43	206.4	163.9	245.9
56	53.2	42.2	63.2





#27

Carbon Disulfide

Concen: 9.94 ppbv

RT: 5.43 min Scan# 384

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

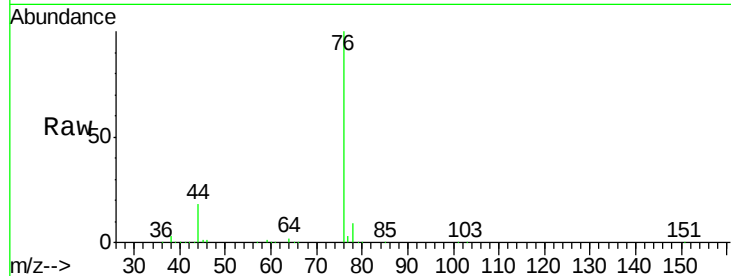
Tot Ion: 76 Resp: 934116

Ion Ratio Lower Upper

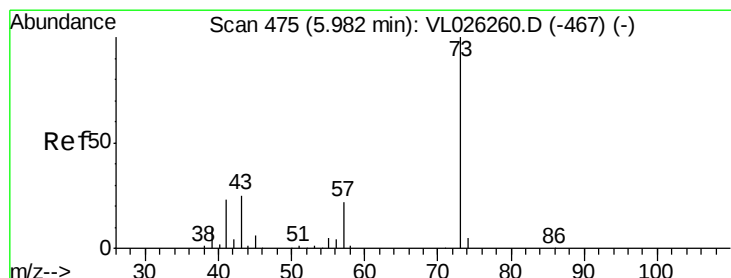
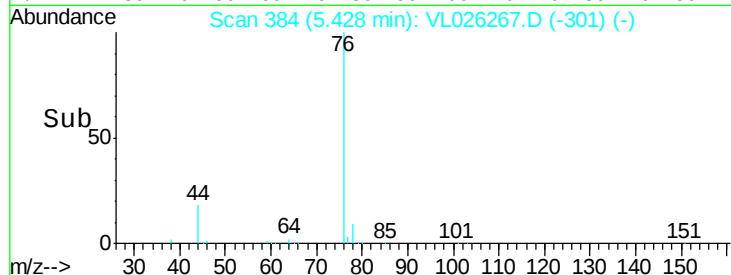
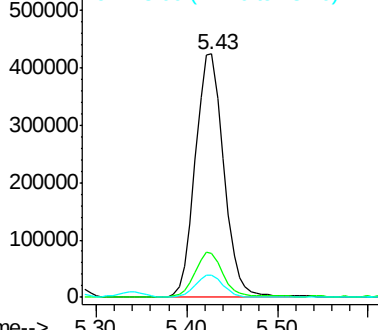
76 100

44 18.4 14.1 21.1

78 9.1 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: 9.39 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL026267.D

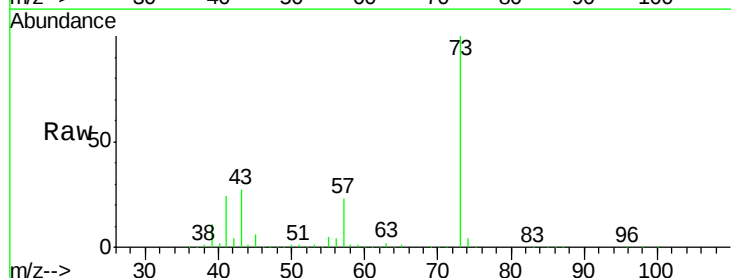
Acq: 29 Oct 2015 15:15

Tgt Ion: 73 Resp: 1292172

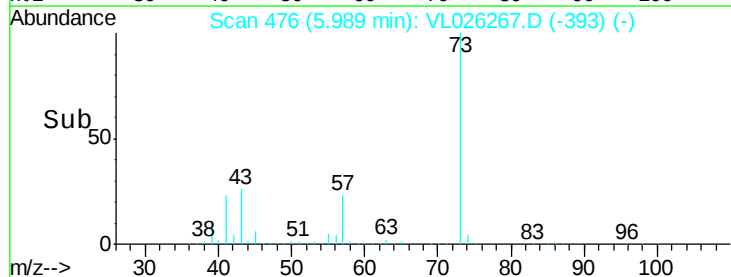
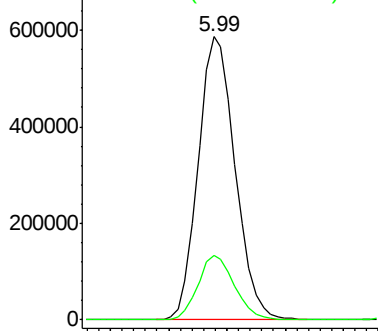
Ion Ratio Lower Upper

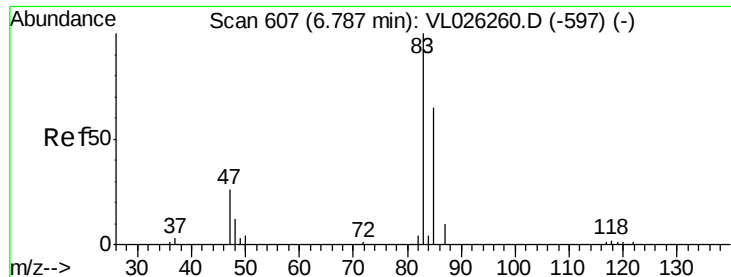
73 100

57 22.8 17.8 26.6



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

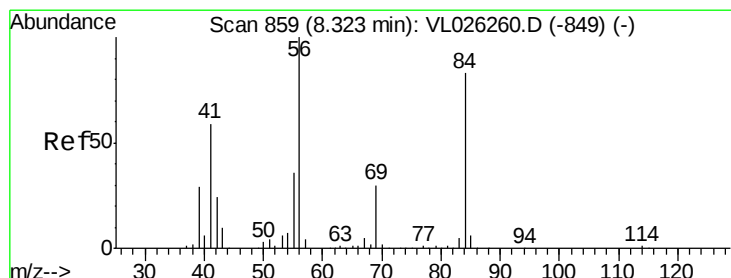
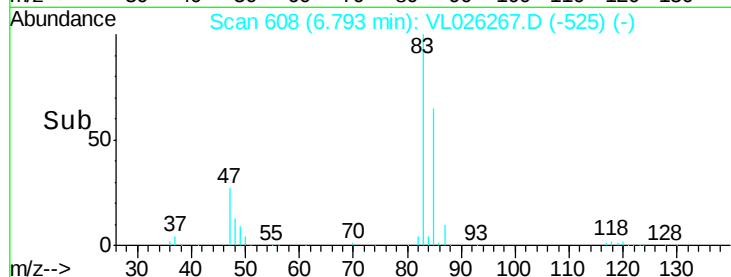
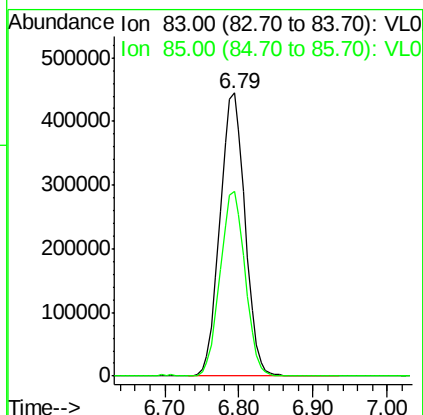
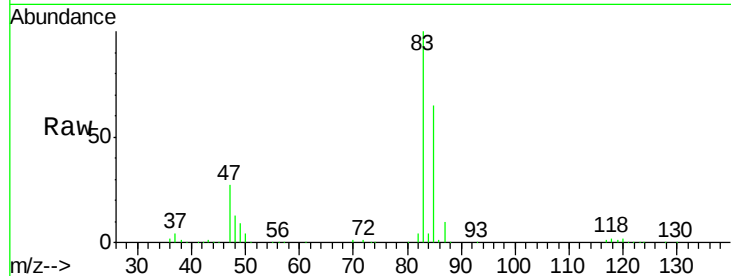




#29
Chloroform
Concen: 8.97 ppbv
RT: 6.79 min Scan# 608
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

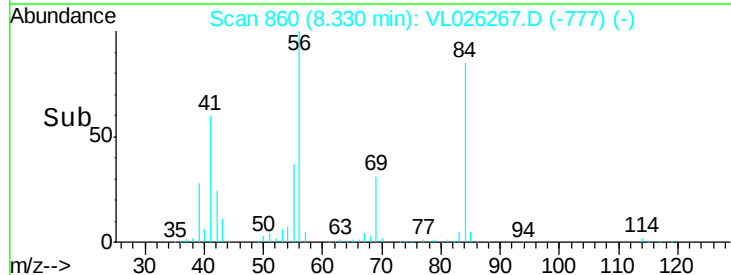
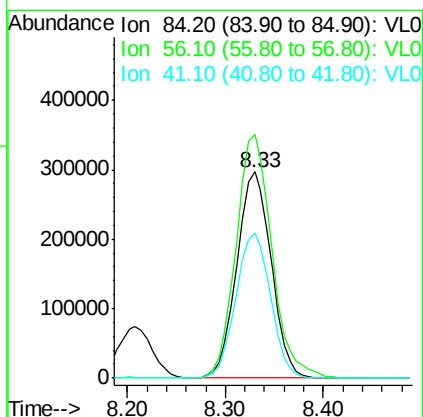
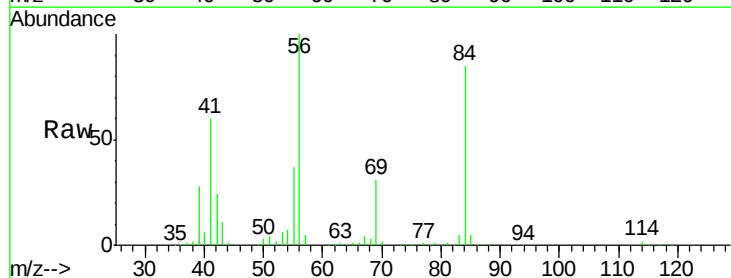
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

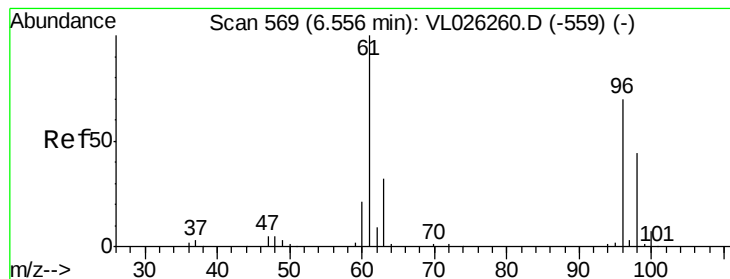
Tot Ion: 83 Resp: 1043896
Ion Ratio Lower Upper
83 100
85 65.4 52.0 78.0



#30
Cyclohexane
Concen: 9.39 ppbv
RT: 8.33 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 84 Resp: 724637
Ion Ratio Lower Upper
84 100
56 123.4 99.6 149.4
41 70.9 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 9.41 ppbv

RT: 6.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

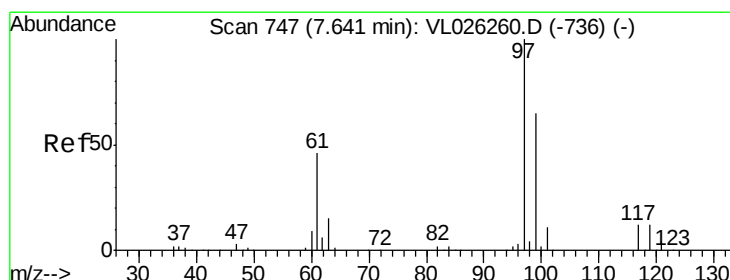
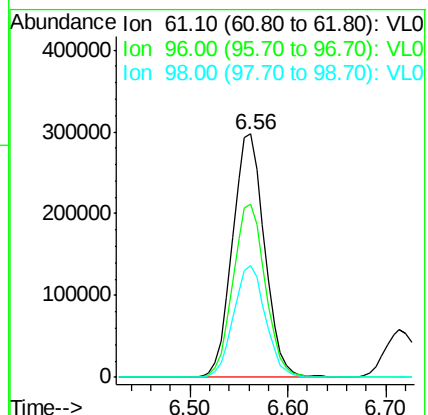
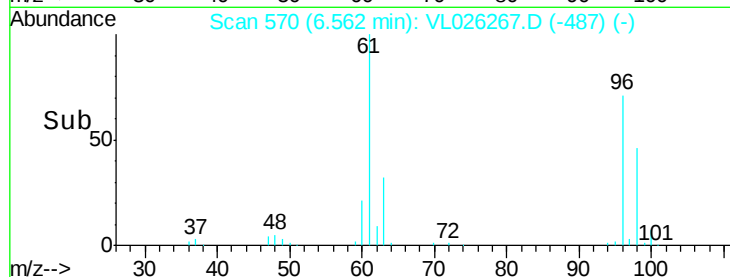
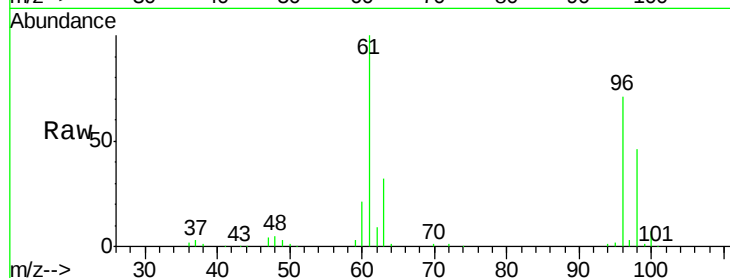
Tot Ion: 61 Resp: 680752

Ion Ratio Lower Upper

61 100

96 71.3 56.2 84.4

98 45.7 35.4 53.2



#32

1,1,1-Trichloroethane

Concen: 8.43 ppbv

RT: 7.64 min Scan# 747

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

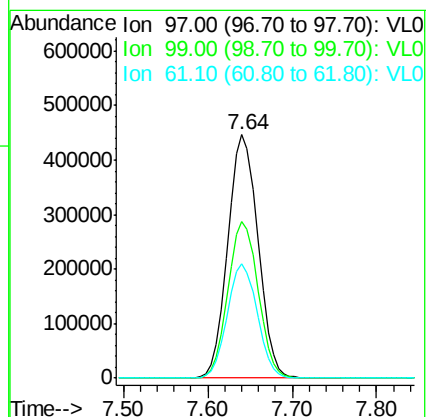
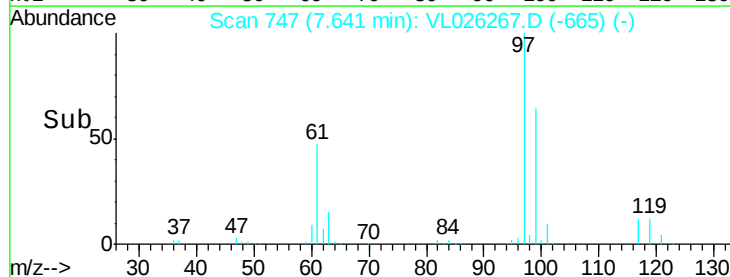
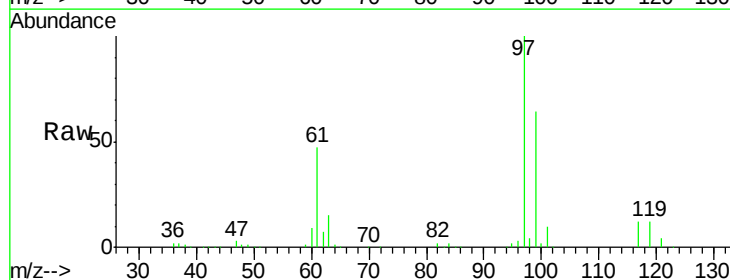
Tgt Ion: 97 Resp: 1085683

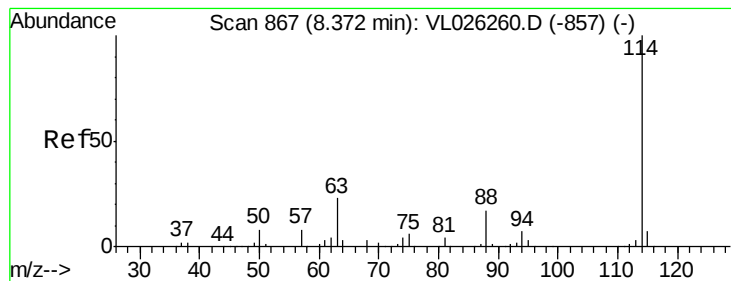
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 46.7 37.1 55.7





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.37 min Scan# 867

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

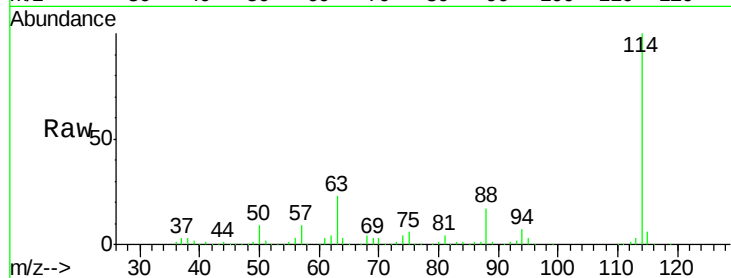
Tot Ion:114 Resp: 1735130

Ion Ratio Lower Upper

114 100

63 23.2 18.6 28.0

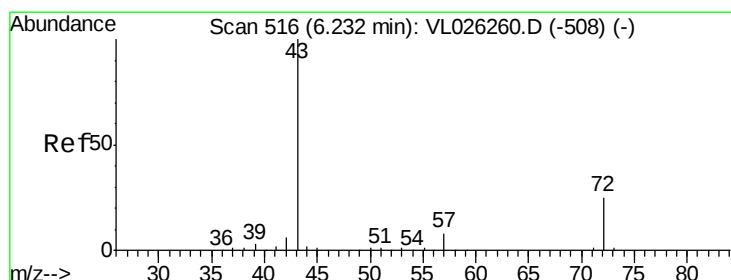
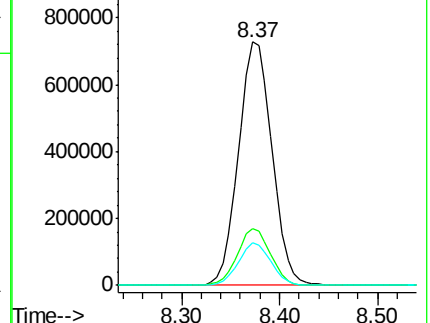
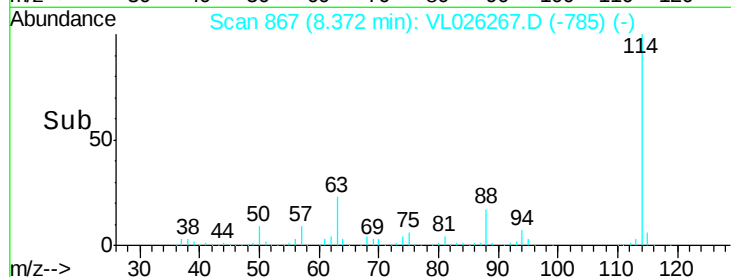
88 17.0 13.4 20.2



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: 9.01 ppbv

RT: 6.24 min Scan# 517

Delta R.T. 0.01 min

Lab File: VL026267.D

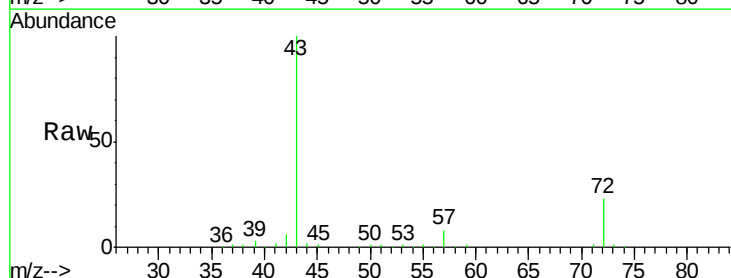
Acq: 29 Oct 2015 15:15

Tgt Ion: 43 Resp: 943981

Ion Ratio Lower Upper

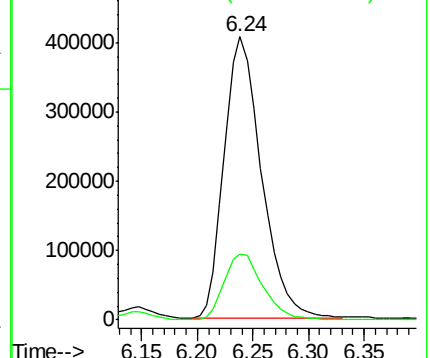
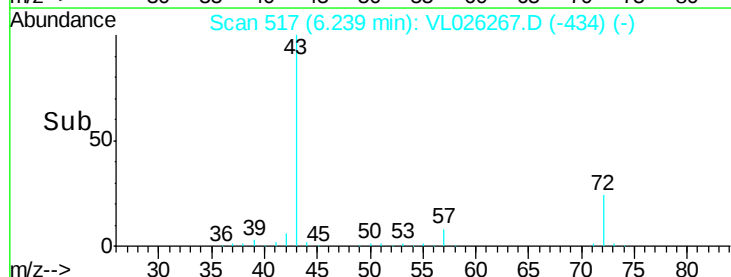
43 100

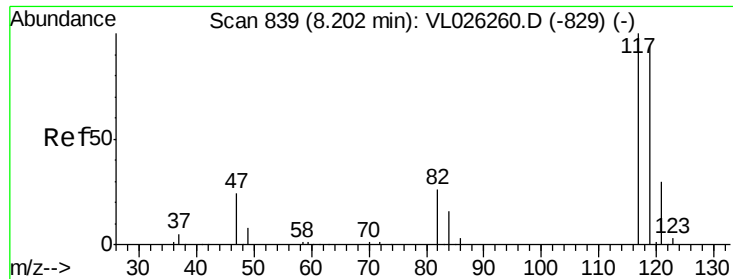
72 24.7 19.9 29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.47 ppbv

RT: 8.21 min Scan# 840

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

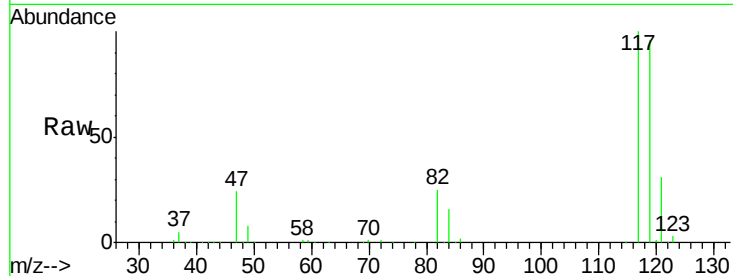
Tot Ion:117 Resp: 1107211

Ion Ratio Lower Upper

117 100

119 96.1 75.2 112.8

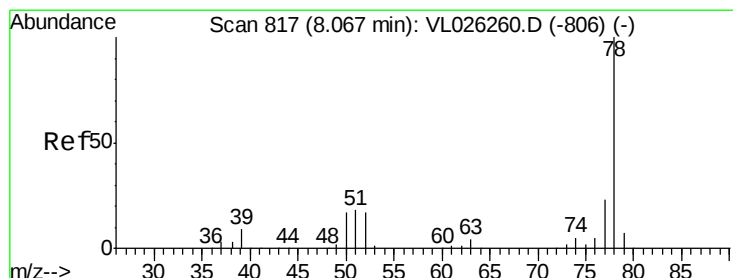
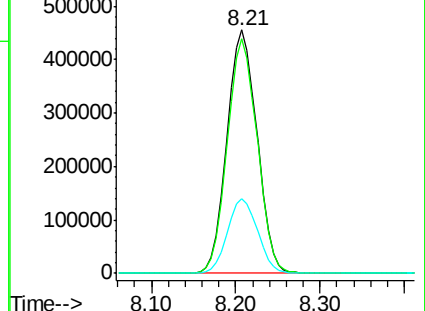
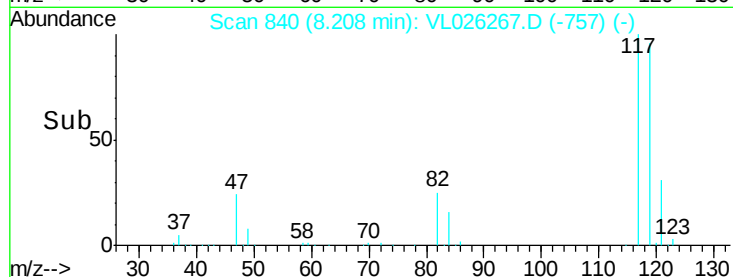
121 30.7 24.2 36.2



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: 8.93 ppbv

RT: 8.07 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

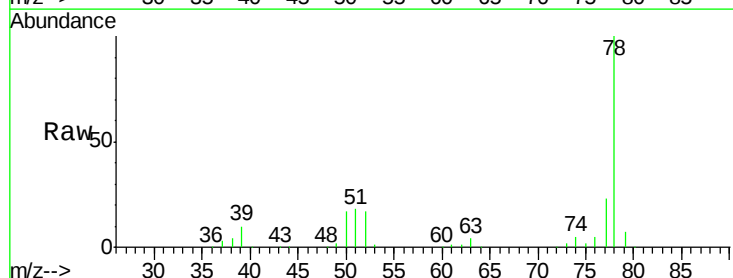
Tgt Ion: 78 Resp: 1639385

Ion Ratio Lower Upper

78 100

77 23.1 18.0 27.0

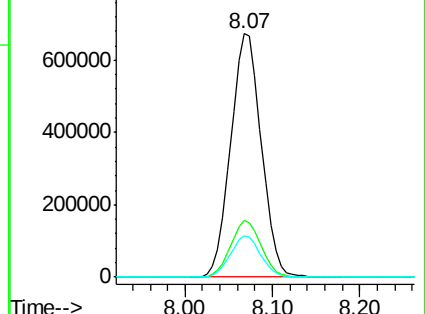
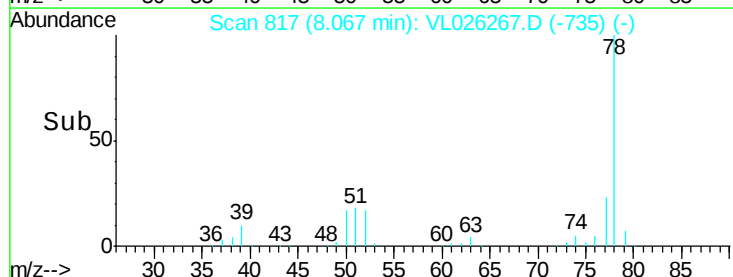
50 17.2 13.3 19.9

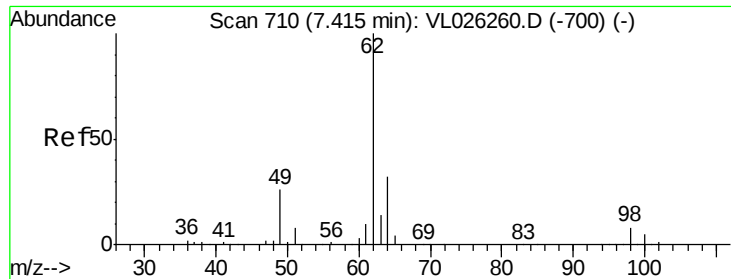


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

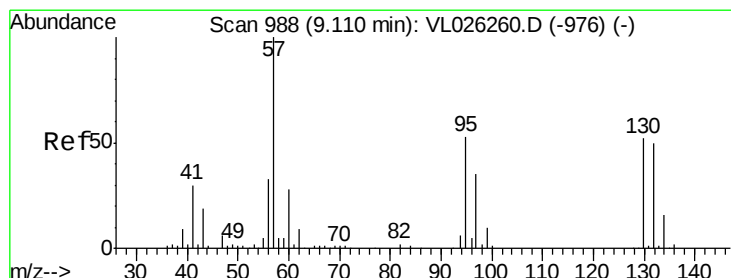
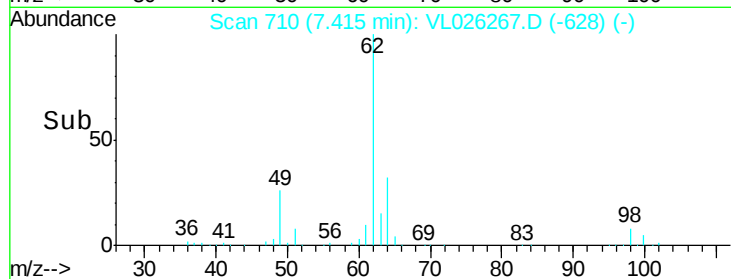
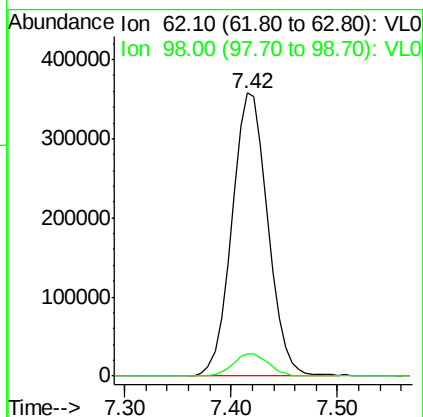
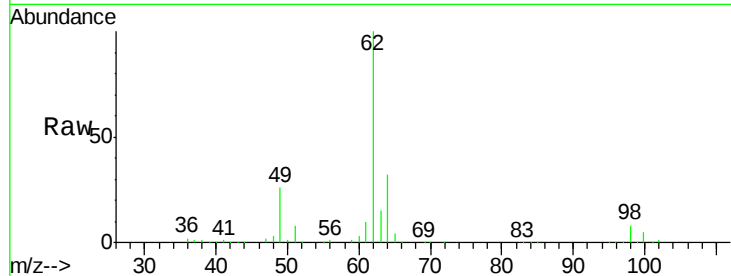




#37
 1,2-Dichloroethane
 Concen: 8.93 ppbv
 RT: 7.42 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

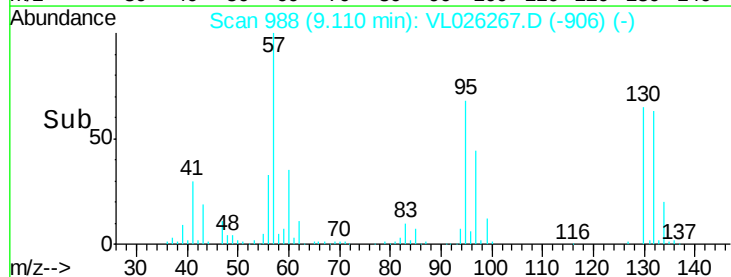
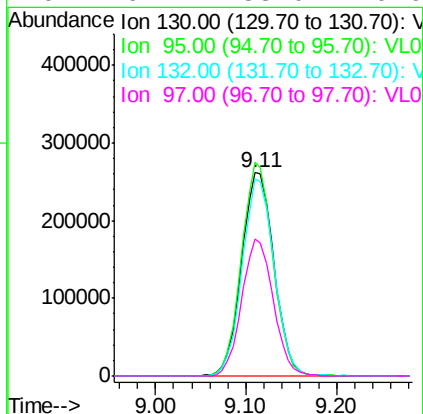
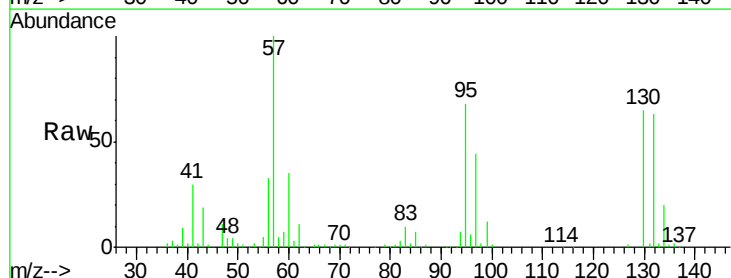
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

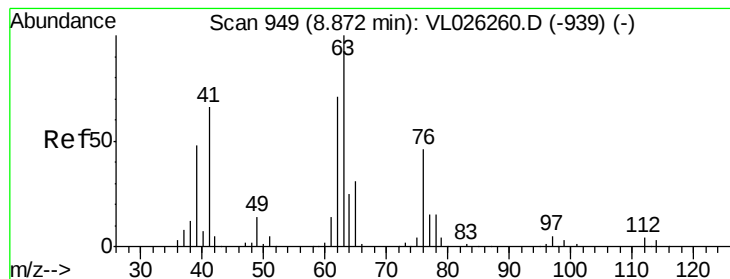
Tot Ion: 62 Resp: 845899
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.3 9.5



#38
 Trichloroethene
 Concen: 7.36 ppbv
 RT: 9.11 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion: 130 Resp: 649468
 Ion Ratio Lower Upper
 130 100
 95 105.1 80.8 121.2
 132 96.9 76.2 114.2
 97 67.4 53.0 79.6





#39

1,2-Dichloropropane

Concen: 8.87 ppbv

RT: 8.87 min Scan# 949

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

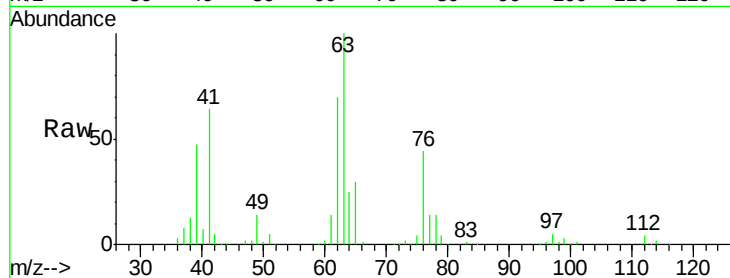
Tot Ion: 63 Resp: 592929

Ion Ratio Lower Upper

63 100

41 64.3 53.2 79.8

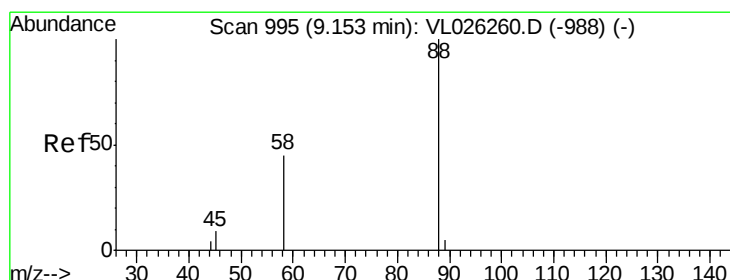
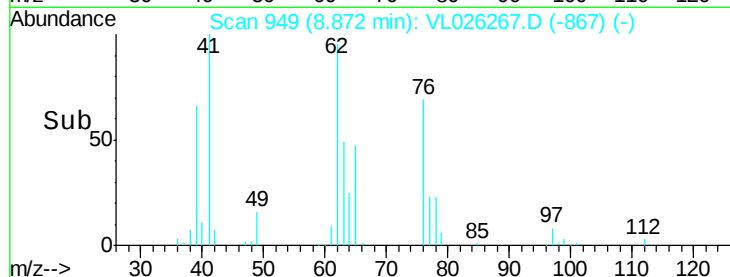
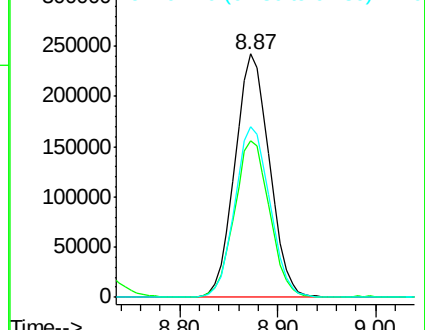
62 70.1 57.1 85.7



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: 12.25 ppbv

RT: 9.16 min Scan# 997

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion: 88 Resp: 140093

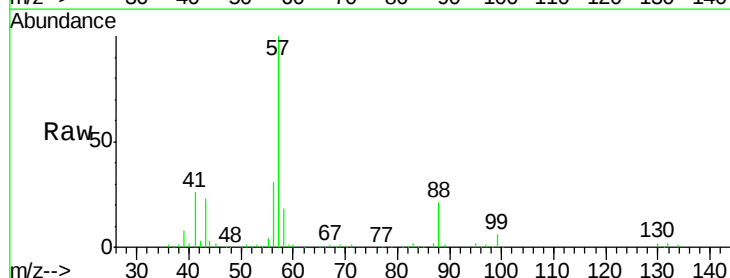
Ion Ratio Lower Upper

88 100

58 152.0 126.2 189.2

43 372.1 307.3 460.9

57 1848.8 1536.6 2304.8

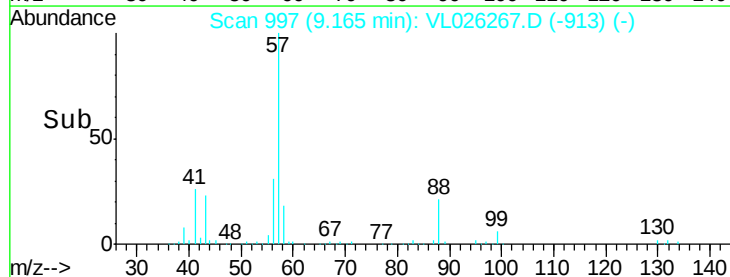
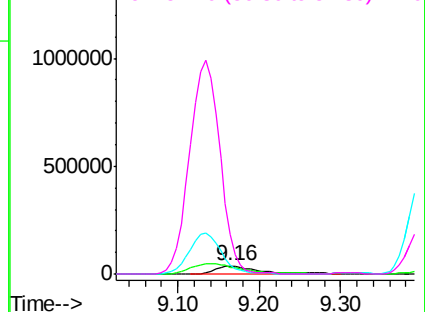


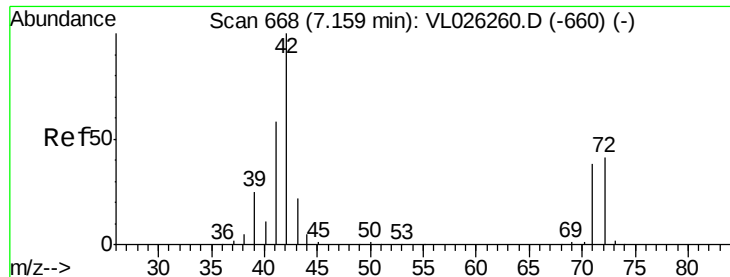
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.41 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

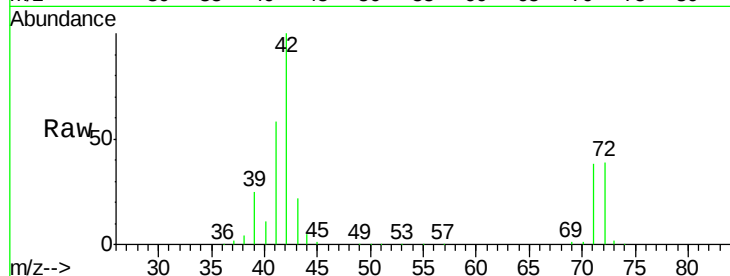
Tot Ion: 42 Resp: 569599

Ion Ratio Lower Upper

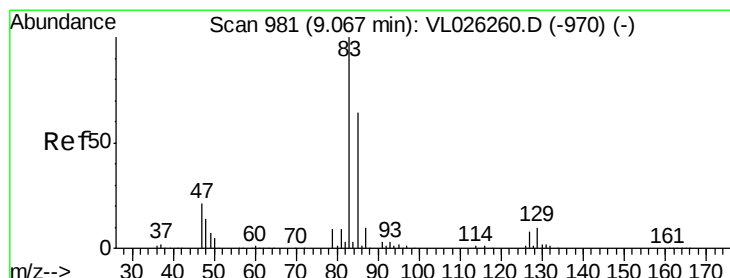
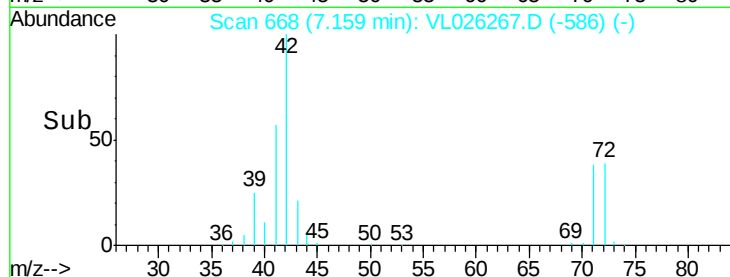
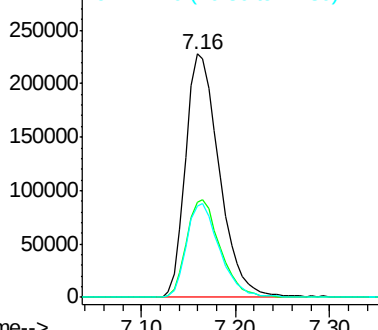
42 100

72 40.0 32.2 48.4

71 37.9 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: 9.23 ppbv

RT: 9.07 min Scan# 982

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

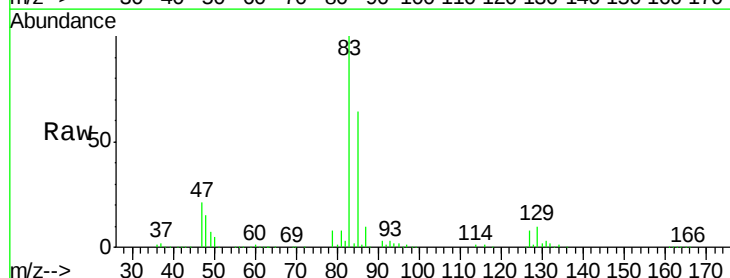
Tgt Ion: 83 Resp: 1170980

Ion Ratio Lower Upper

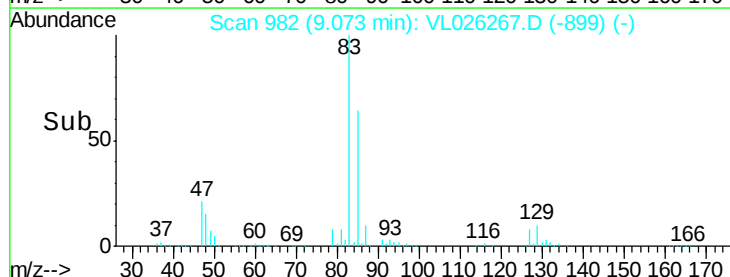
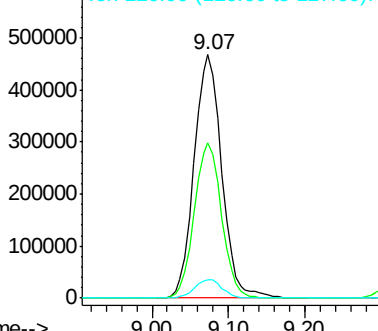
83 100

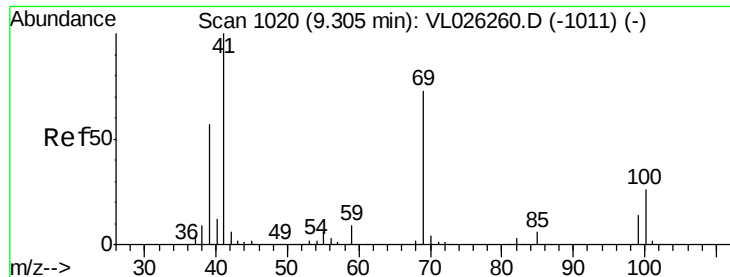
85 63.6 51.2 76.8

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

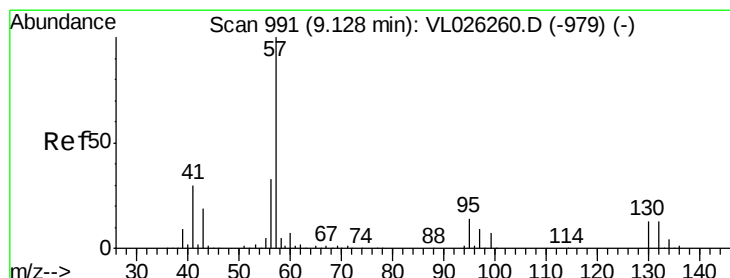
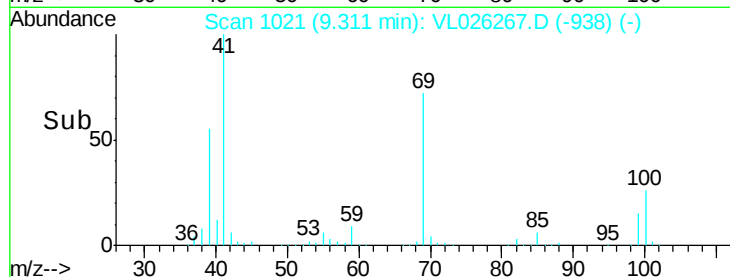
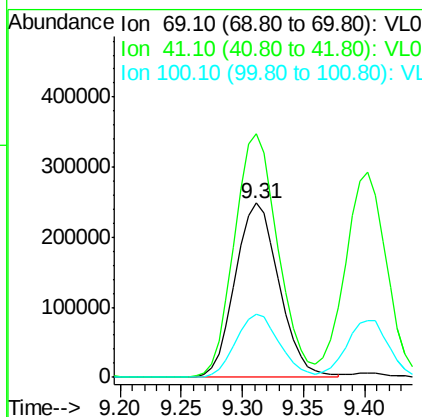
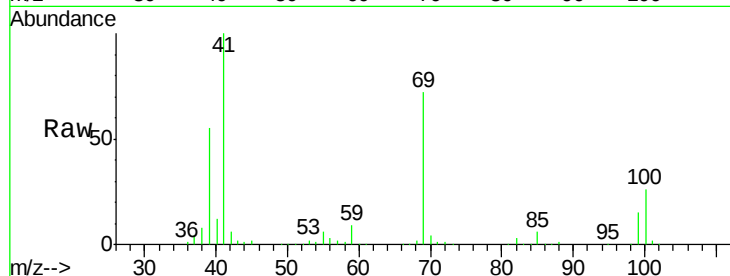




#43
Methvl Methacrilate
Concen: 9.52 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

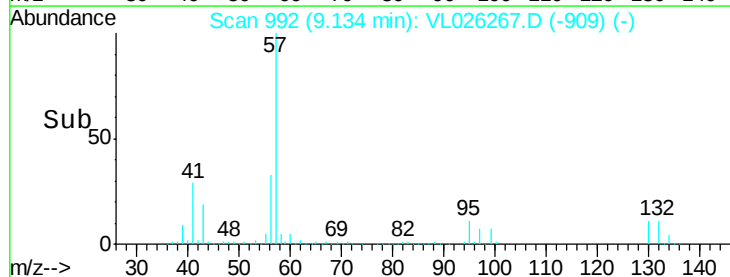
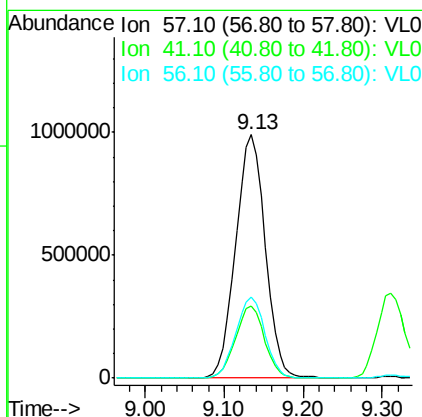
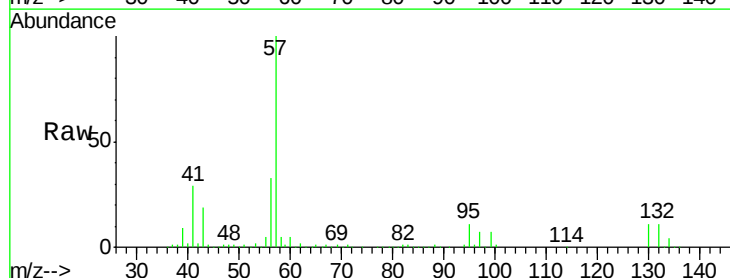
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

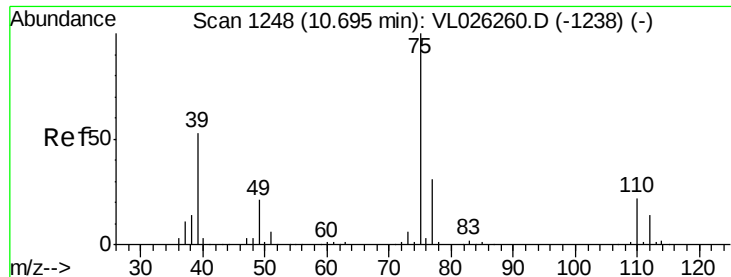
Tot Ion: 69 Resp: 621851
Ion Ratio Lower Upper
69 100
41 137.5 110.0 165.0
100 35.9 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.63 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 57 Resp: 2585981
Ion Ratio Lower Upper
57 100
41 29.0 23.1 34.7
56 32.9 26.3 39.5

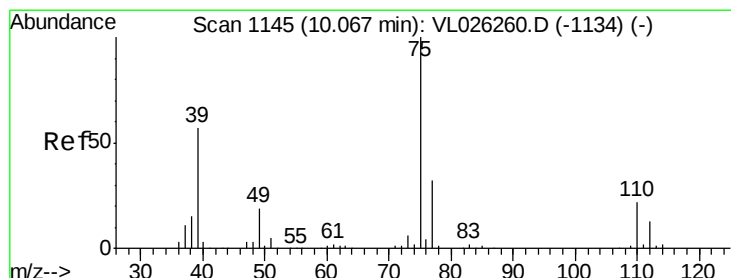
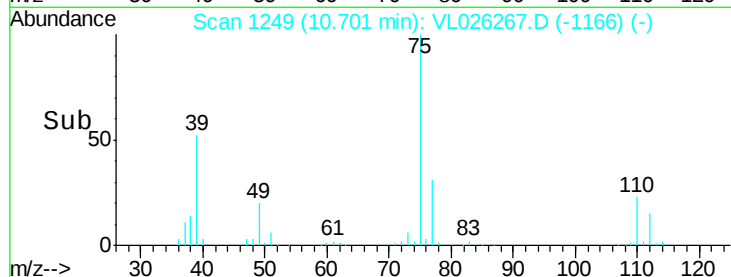
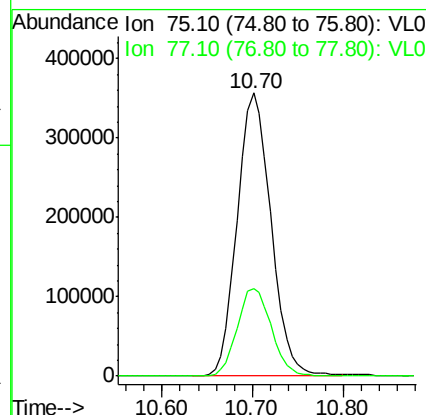
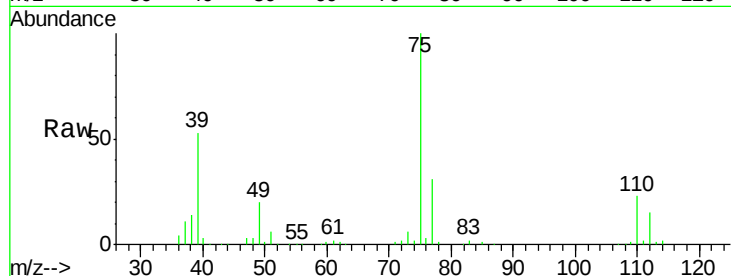




#45
t-1,3-Dichloropropene
Concen: 10.07 ppbv
RT: 10.70 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

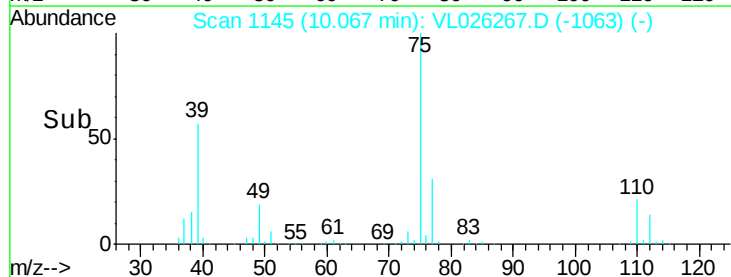
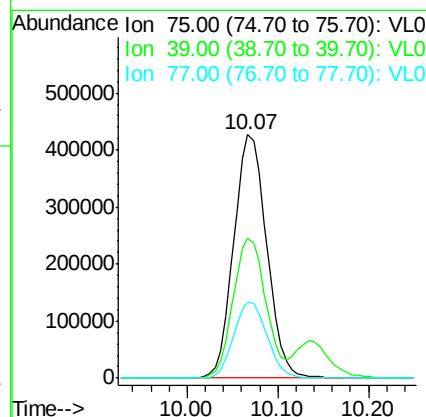
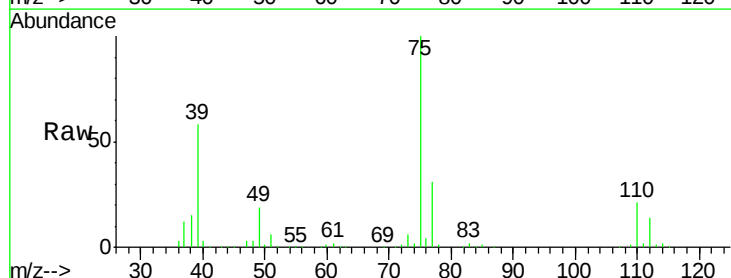
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

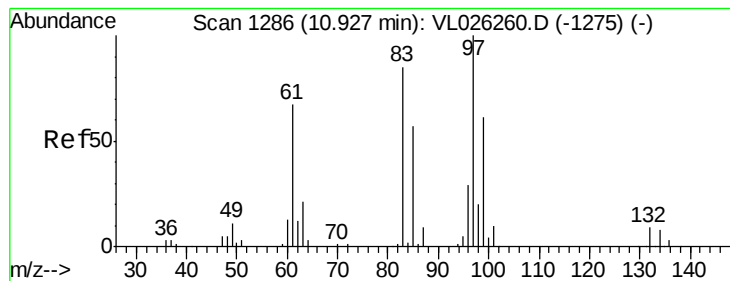
Tot Ion: 75 Resp: 926510
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 9.64 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 75 Resp: 1079161
Ion Ratio Lower Upper
75 100
39 57.6 45.8 68.8
77 31.3 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 8.66 ppbv

RT: 10.93 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 97 Resp: 699989

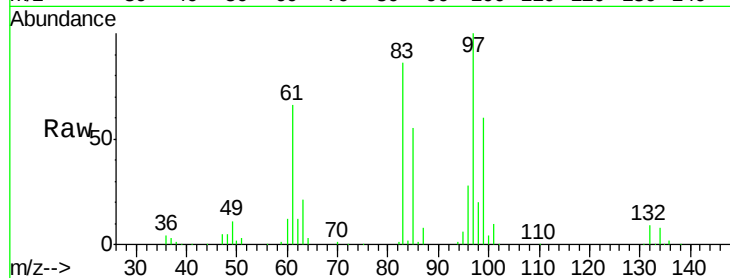
Ion Ratio Lower Upper

97 100

83 85.5 67.9 101.9

85 54.9 45.2 67.8

99 60.4 49.0 73.6

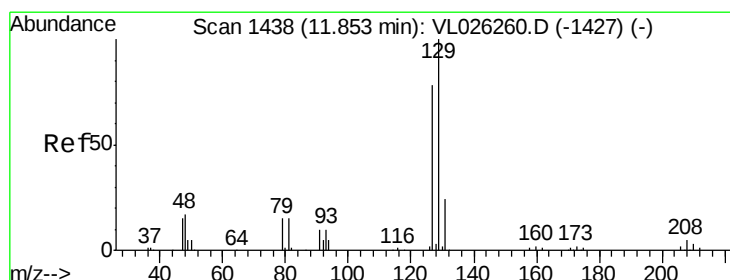
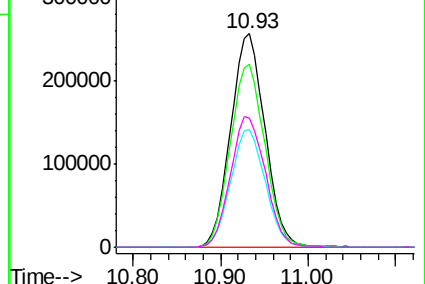
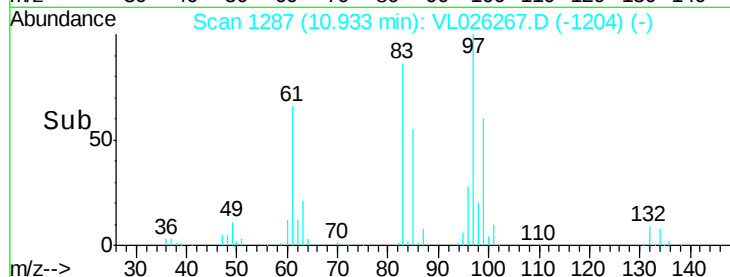


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.48 ppbv

RT: 11.85 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VL026267.D

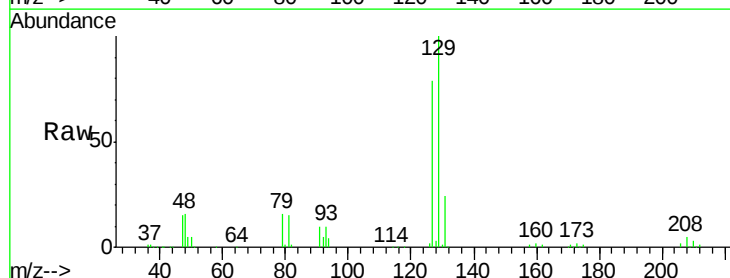
Acq: 29 Oct 2015 15:15

Tgt Ion: 129 Resp: 1095964

Ion Ratio Lower Upper

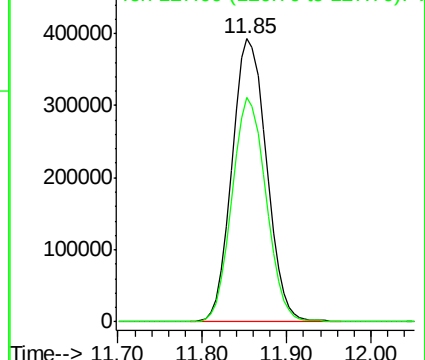
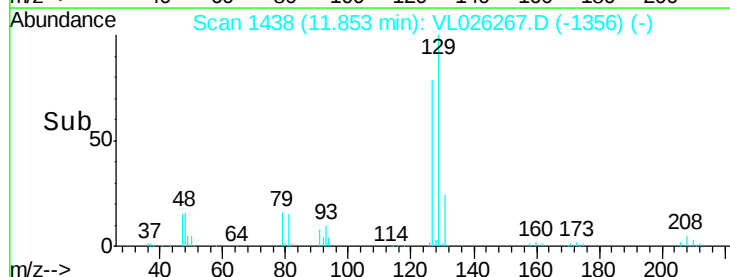
129 100

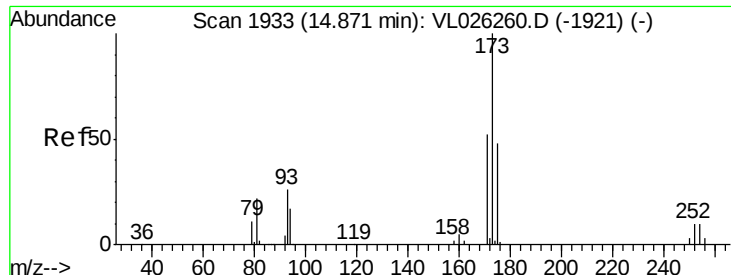
127 78.5 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.92 ppbv

RT: 14.87 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

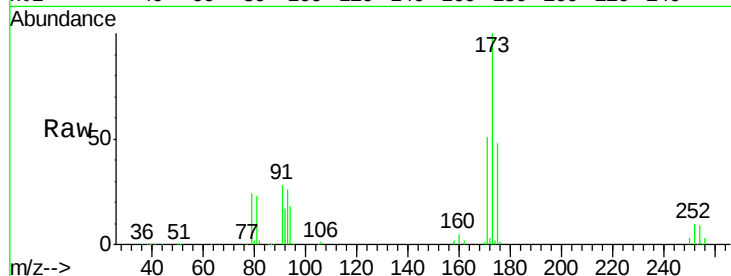
Tot Ion:173 Resp: 890682

Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

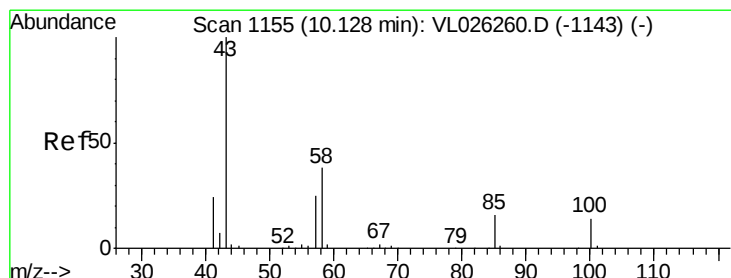
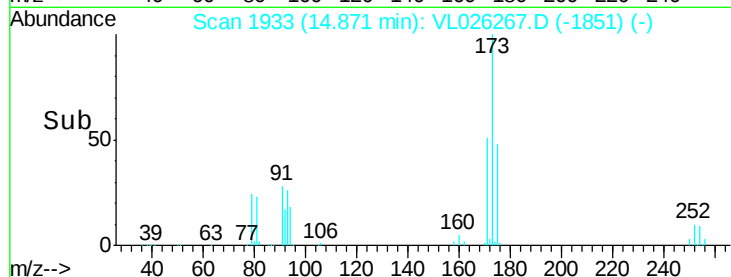
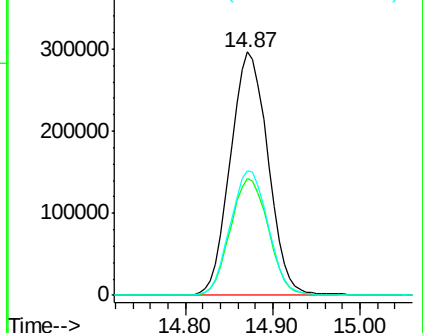
171 51.7 41.7 62.5



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: 9.36 ppbv

RT: 10.13 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VL026267.D

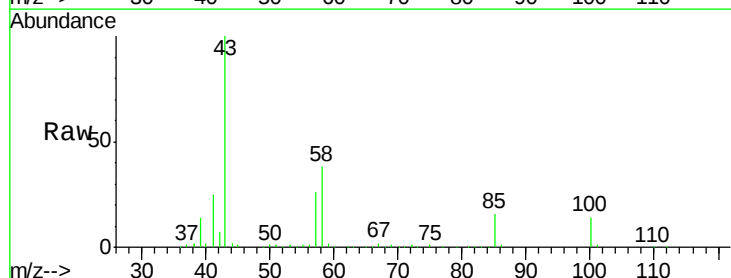
Acq: 29 Oct 2015 15:15

Tgt Ion: 43 Resp: 1312993

Ion Ratio Lower Upper

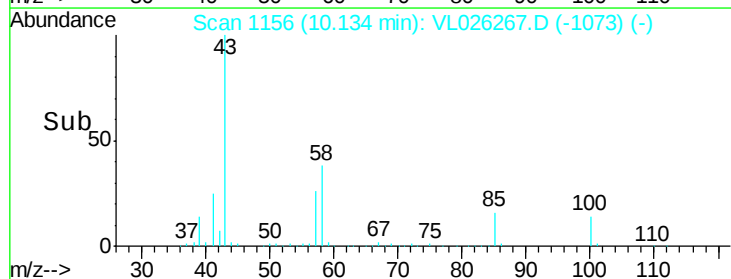
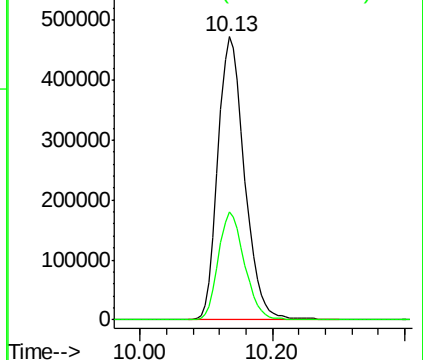
43 100

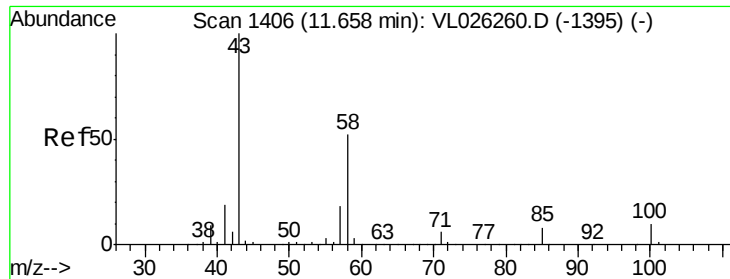
58 37.9 30.5 45.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

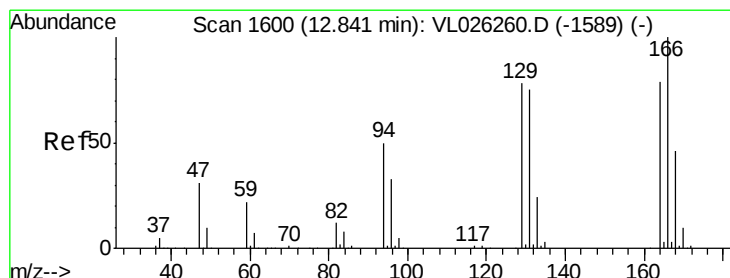
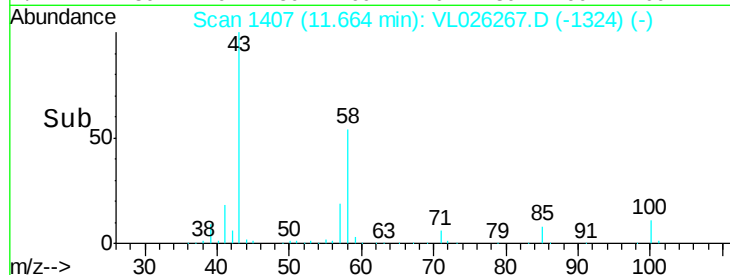
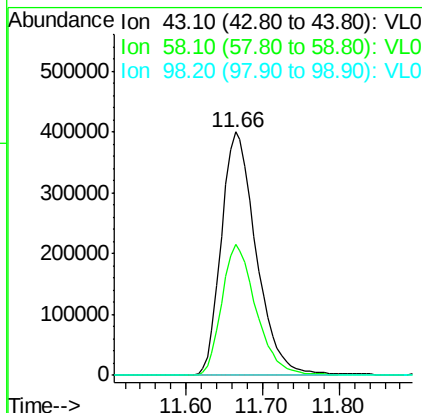
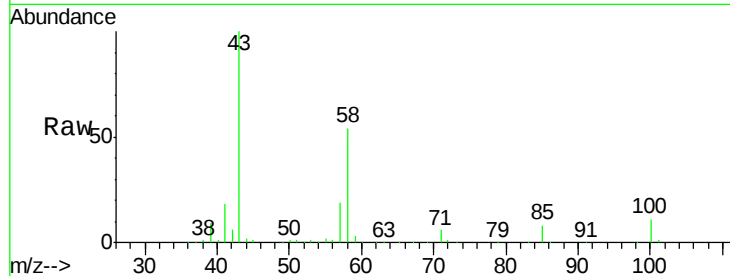




#51
2-Hexanone
Concen: 9.90 ppbv
RT: 11.66 min Scan# 1407
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

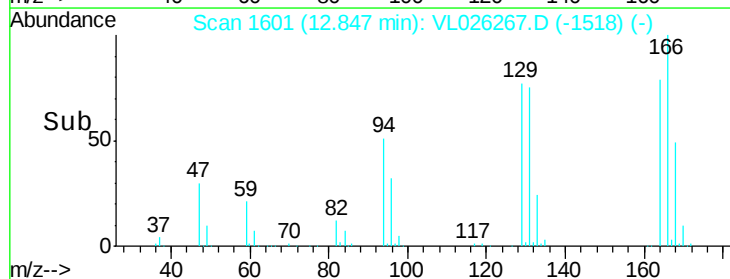
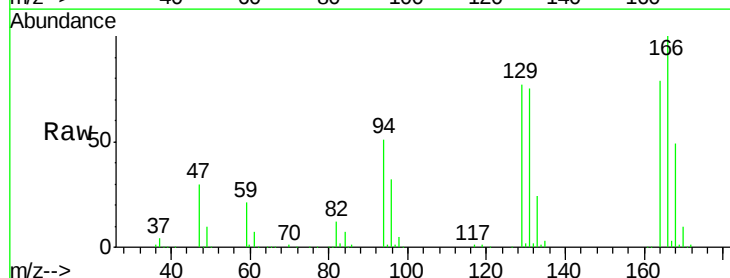
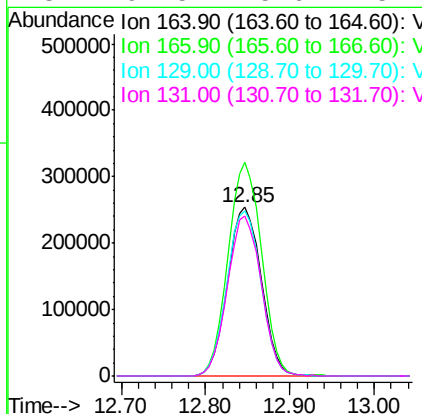
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

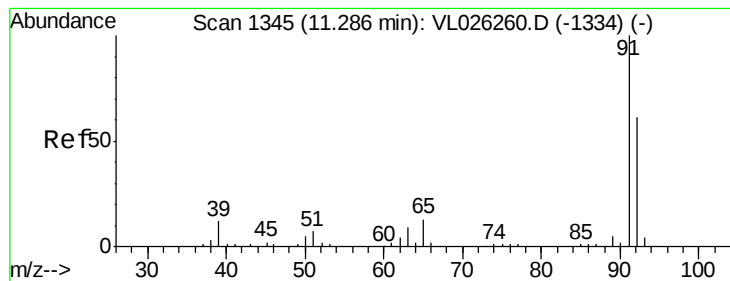
Tot Ion: 43 Resp: 1264287
Ion Ratio Lower Upper
43 100
58 53.1 42.7 64.1
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 7.46 ppbv
RT: 12.85 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 164 Resp: 690783
Ion Ratio Lower Upper
164 100
166 126.5 101.4 152.0
129 97.6 78.8 118.2
131 94.5 75.6 113.4





#53

Toluene

Concen: 8.89 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

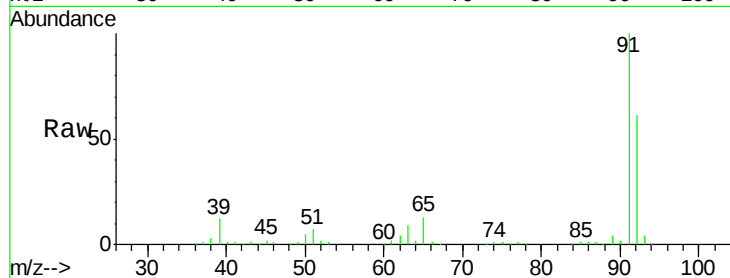
ICVVL102915

Tot Ion: 91 Resp: 2121048

Ion Ratio Lower Upper

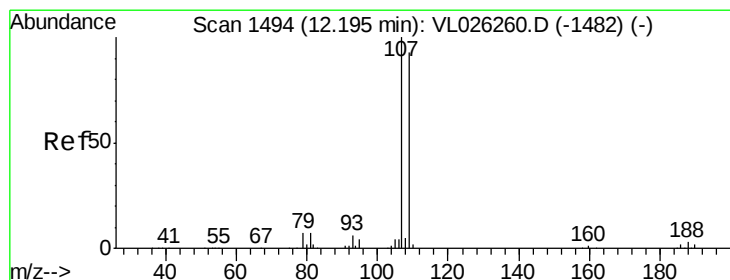
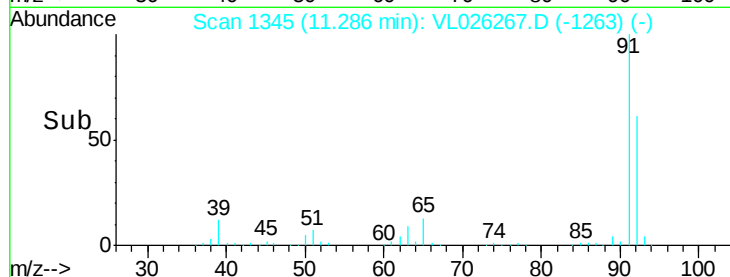
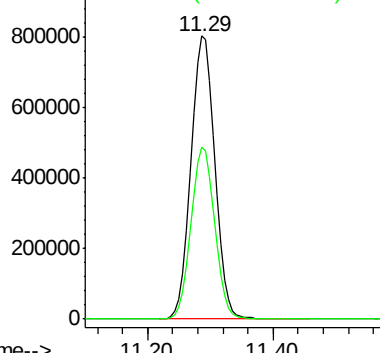
91 100

92 60.4 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: 8.72 ppbv

RT: 12.19 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL026267.D

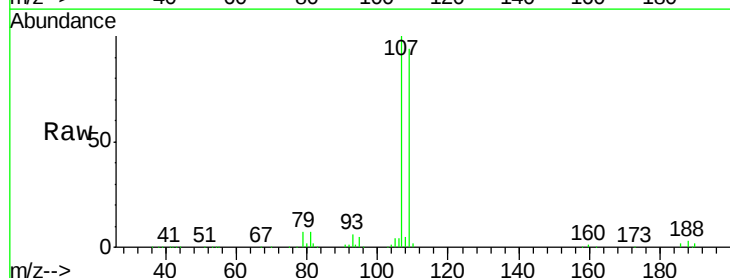
Acq: 29 Oct 2015 15:15

Tgt Ion: 107 Resp: 1066799

Ion Ratio Lower Upper

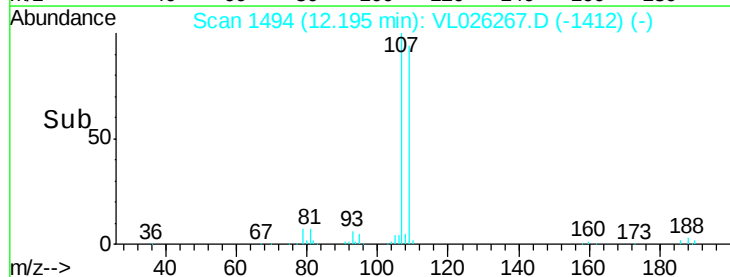
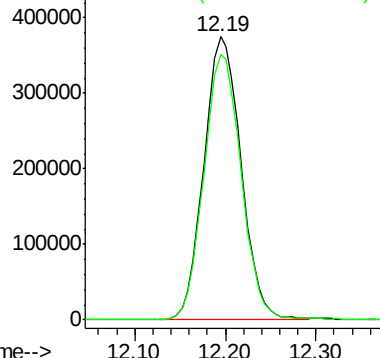
107 100

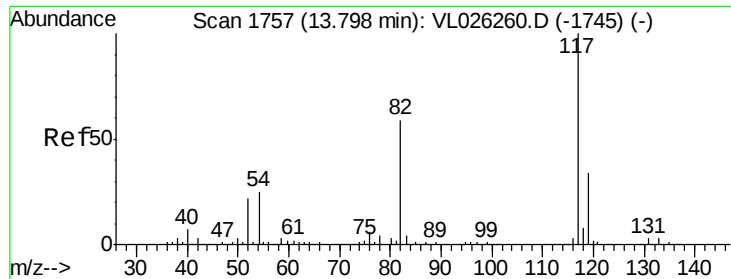
109 93.7 74.6 112.0



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: 13.80 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

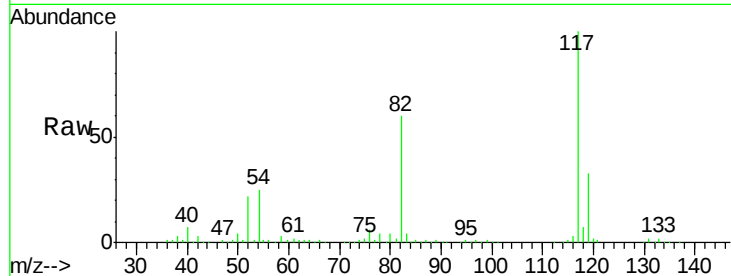
Tot Ion:117 Resp: 2421794

Ion Ratio Lower Upper

117 100

82 49.2 48.2 72.4

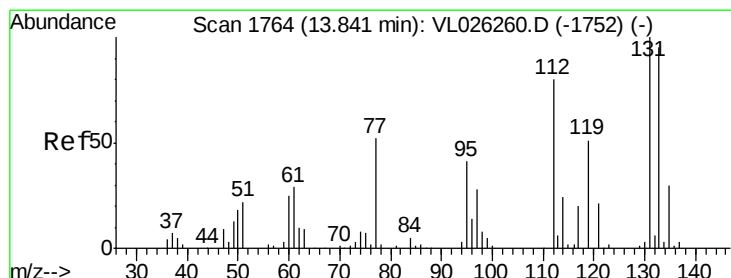
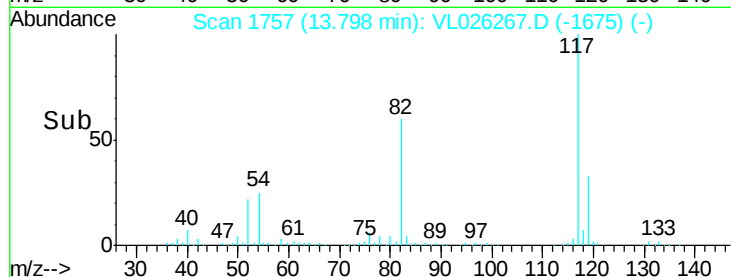
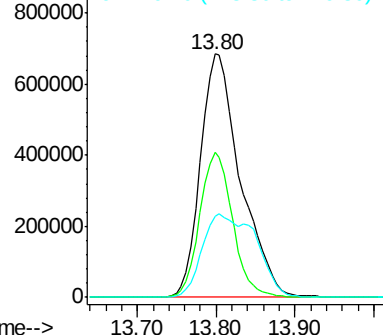
119 46.4 46.2 69.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.39 ppbv

RT: 13.84 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

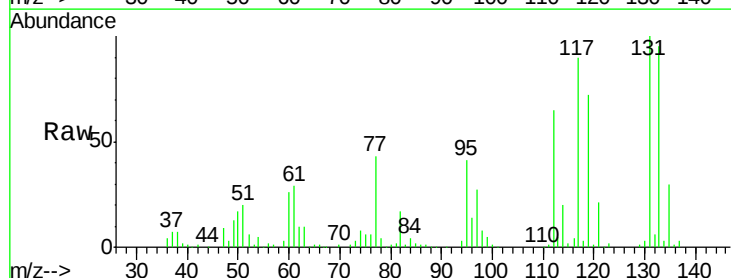
Tgt Ion:131 Resp: 784741

Ion Ratio Lower Upper

131 100

133 95.6 76.1 114.1

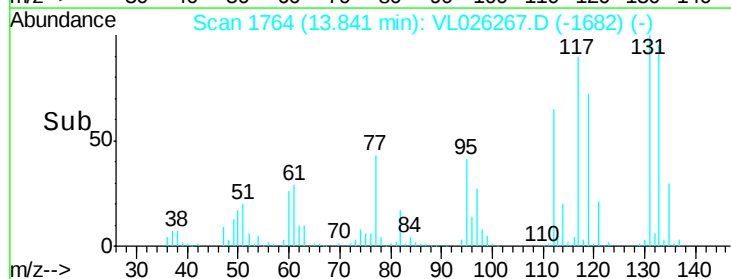
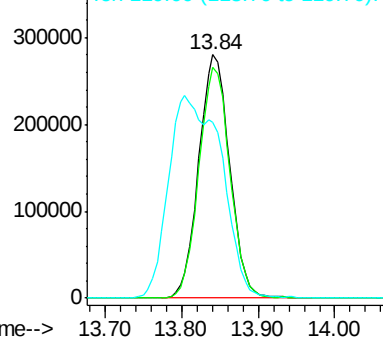
119 143.1 111.3 166.9

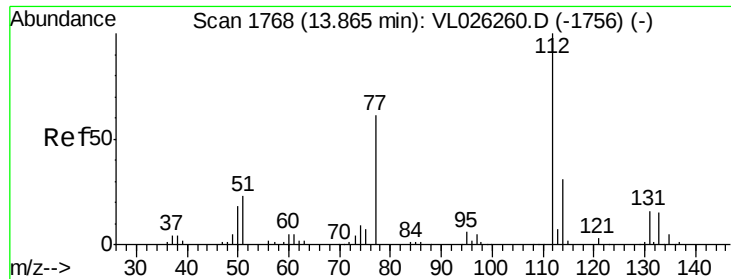


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

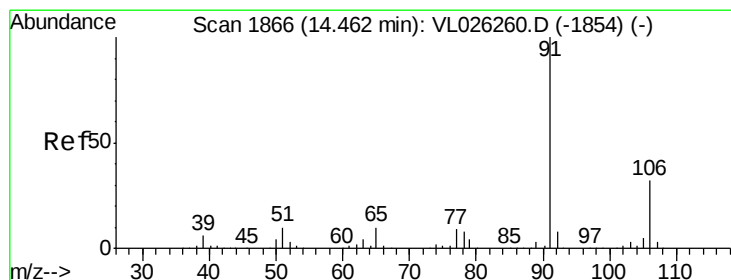
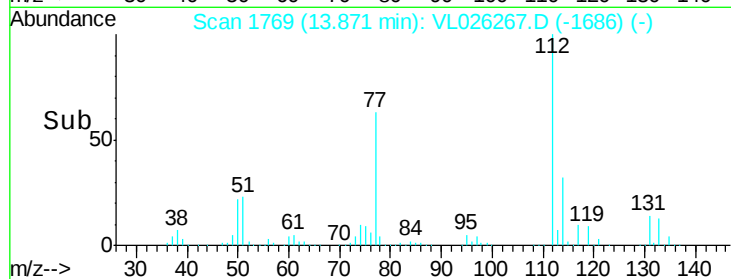
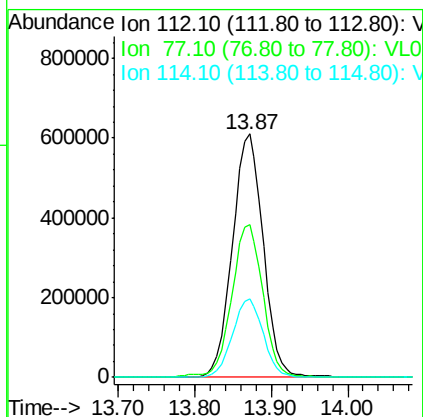
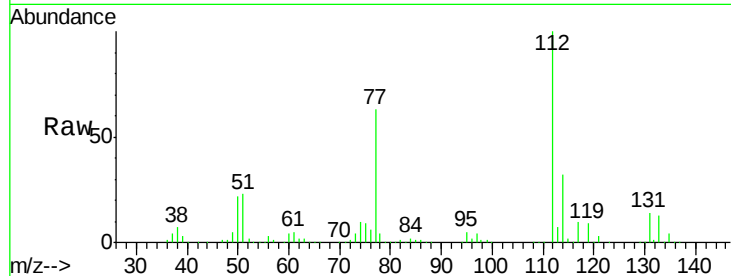




#57
Chlorobenzene
Concen: 7.09 ppbv
RT: 13.87 min Scan# 1769
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

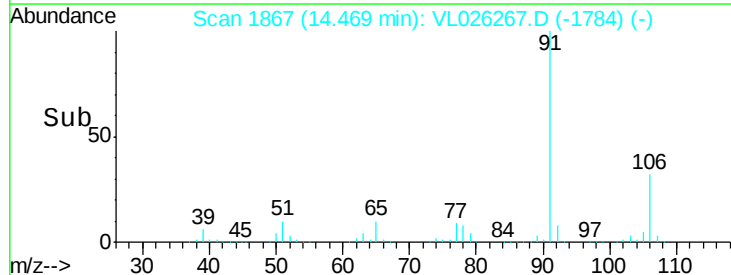
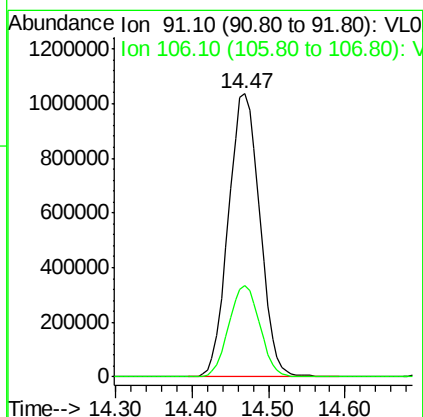
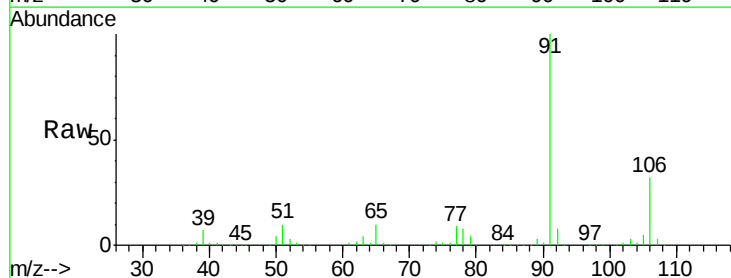
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

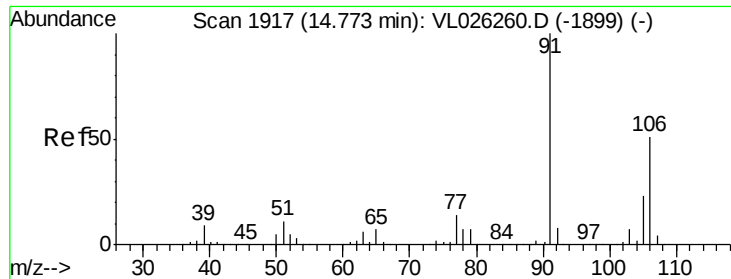
Tot Ion:112 Resp: 1701289
Ion Ratio Lower Upper
112 100
77 62.5 49.4 74.0
114 32.2 27.8 34.0



#58
Ethyl Benzene
Concen: 7.43 ppbv
RT: 14.47 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 91 Resp: 2958276
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5

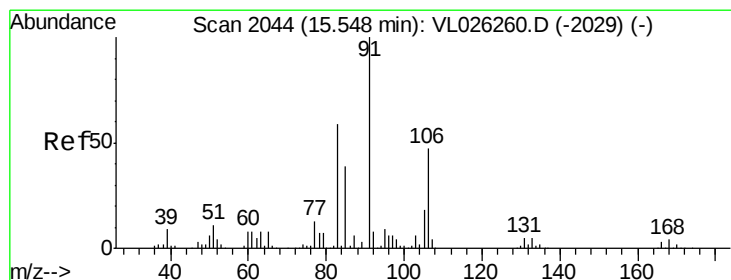
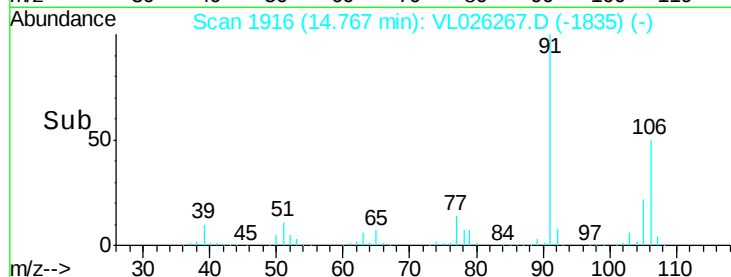
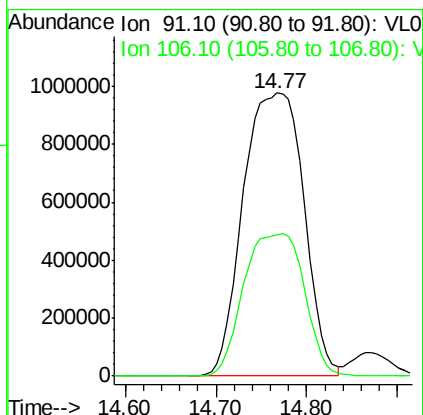
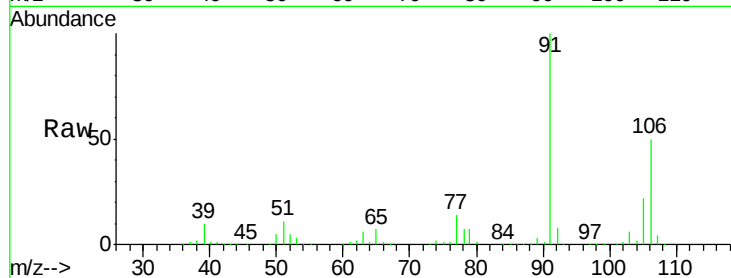




#59
m/p-Xylene
Concen: 14.31 ppbv
RT: 14.77 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

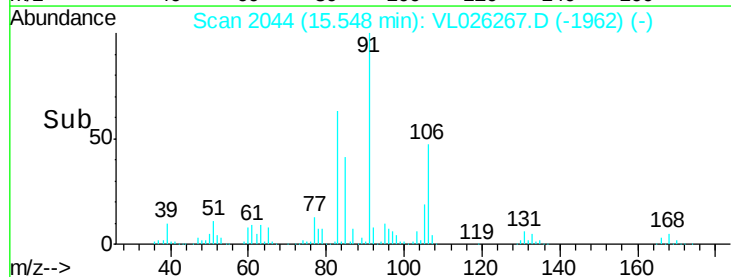
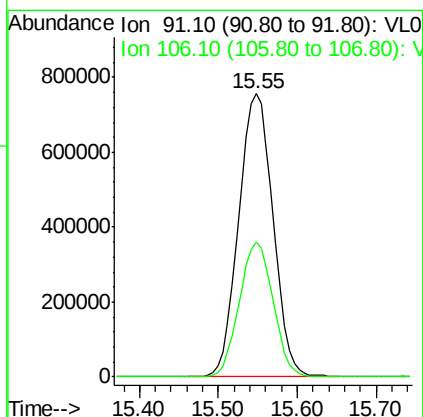
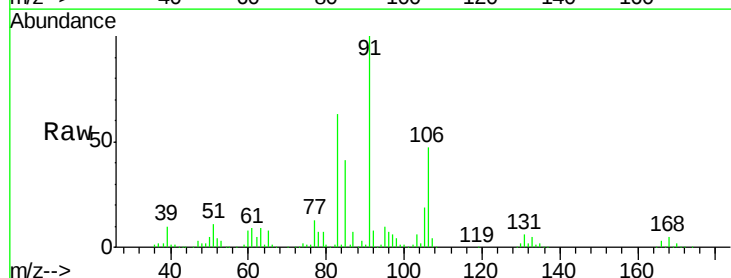
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

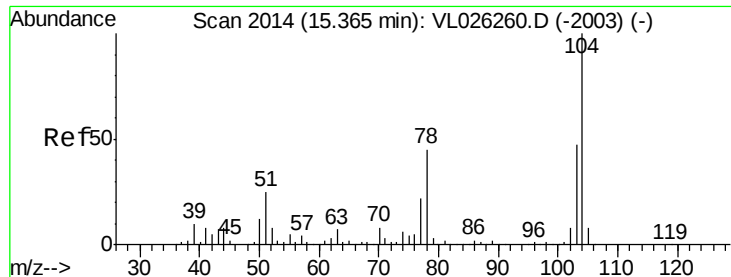
Tot Ion: 91 Resp: 4511949
Ion Ratio Lower Upper
91 100
106 50.6 0.0 0.0#



#60
o-Xylene
Concen: 6.96 ppbv
RT: 15.55 min Scan# 2044
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 91 Resp: 2292665
Ion Ratio Lower Upper
91 100
106 47.1 23.6 70.8





#61

Stvrene

Concen: 8.19 ppbv

RT: 15.36 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

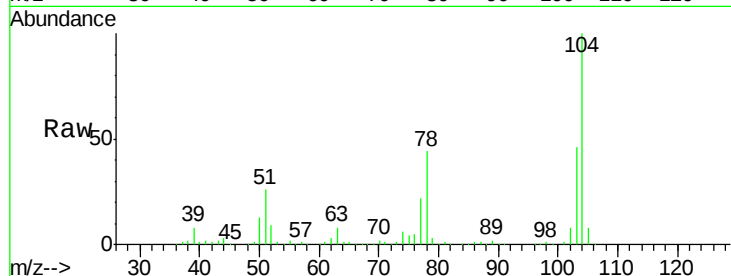
Tot Ion:104 Resp: 1146980

Ion Ratio Lower Upper

104 100

78 44.6 35.5 53.3

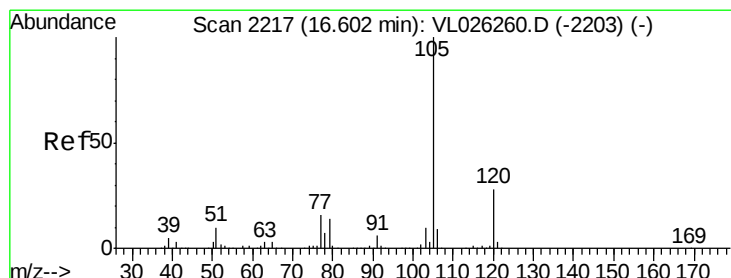
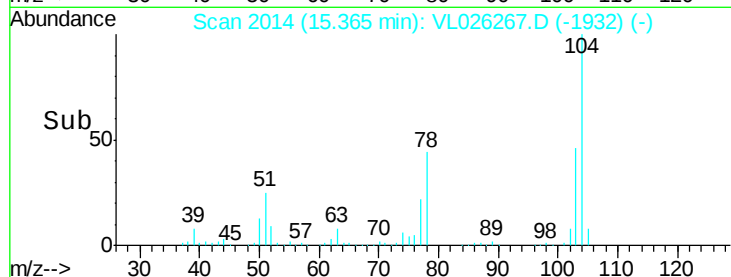
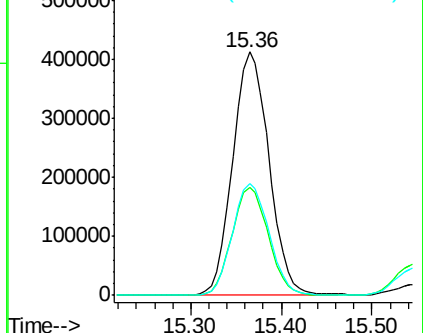
103 46.4 37.0 55.6



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: 7.20 ppbv

RT: 16.60 min Scan# 2217

Delta R.T. 0.00 min

Lab File: VL026267.D

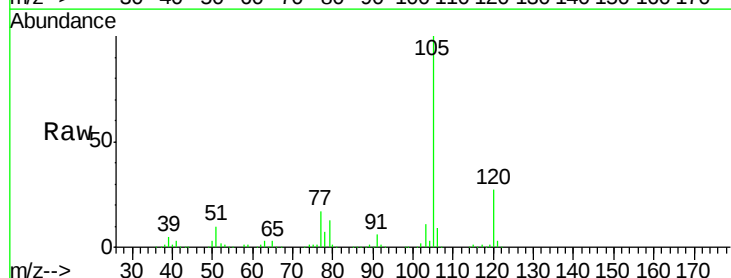
Acq: 29 Oct 2015 15:15

Tgt Ion:105 Resp: 3219249

Ion Ratio Lower Upper

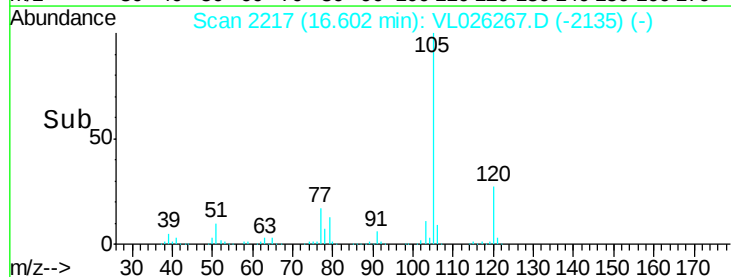
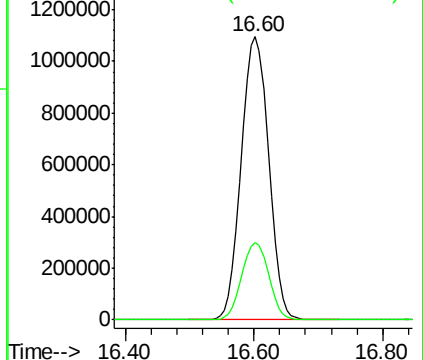
105 100

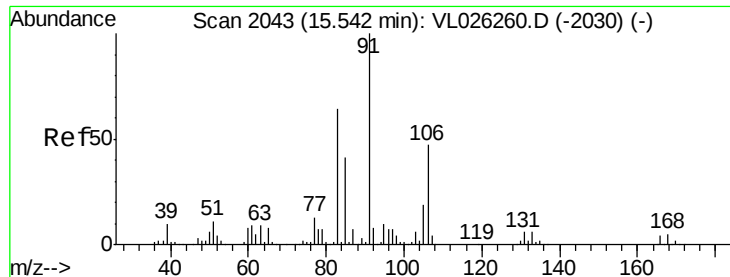
120 27.0 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

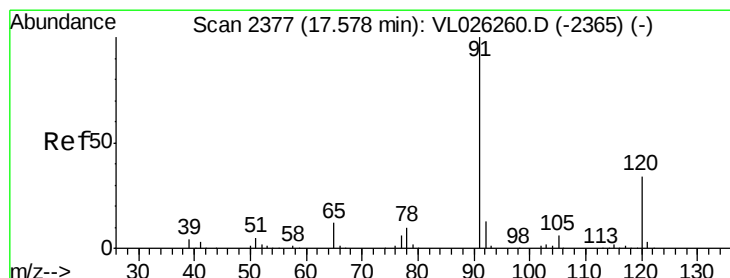
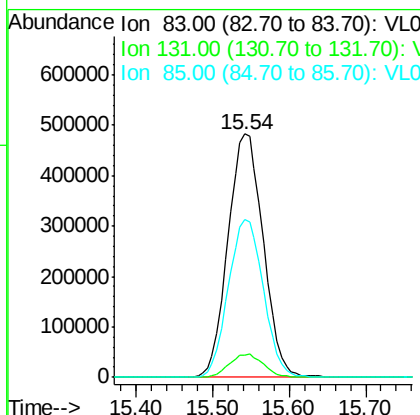
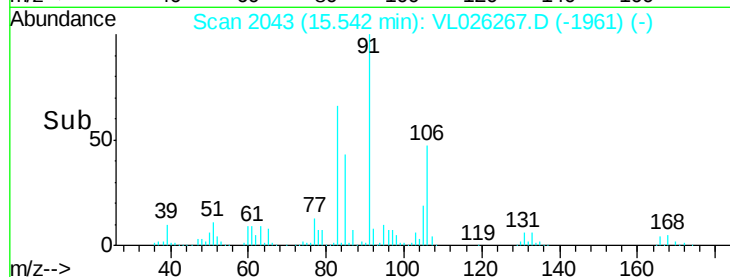
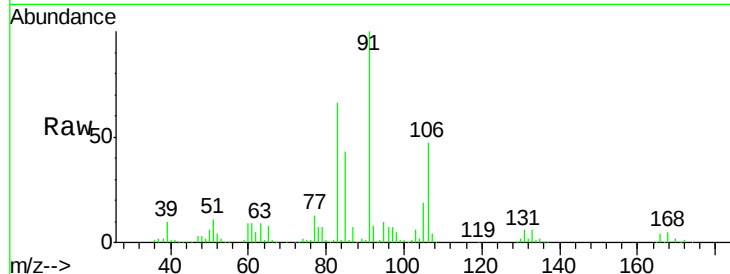




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.02 ppbv
 RT: 15.54 min Scan# 2043
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

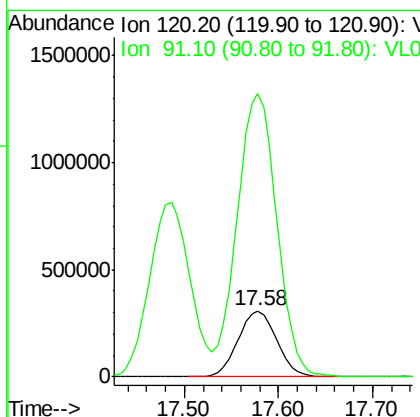
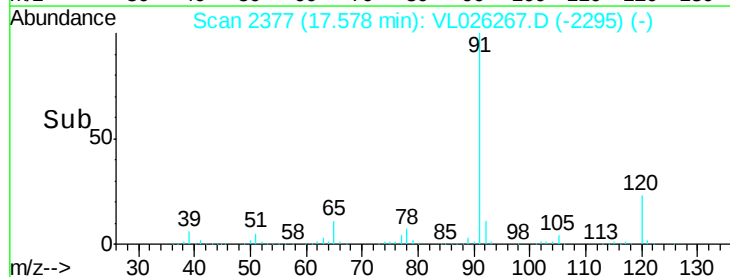
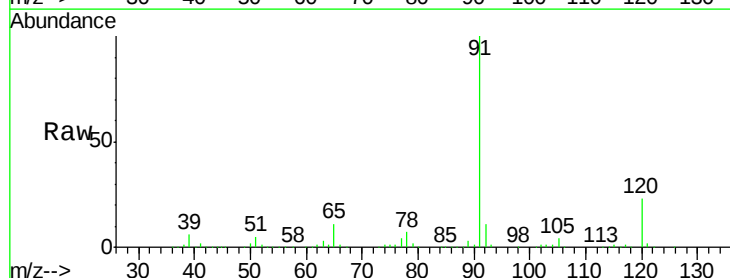
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

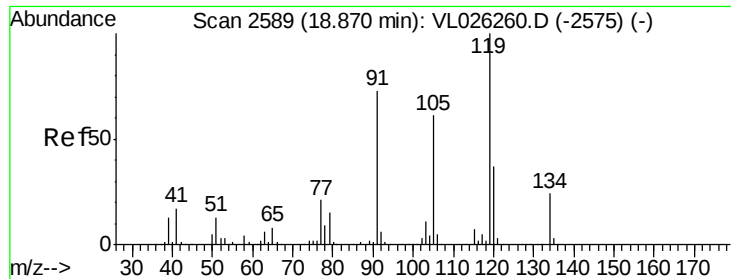
Tot Ion: 83 Resp: 1544095
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.6 13.8
 85 64.6 32.4 97.2



#64
 n-propylbenzene
 Concen: 7.31 ppbv
 RT: 17.58 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion:120 Resp: 887924
 Ion Ratio Lower Upper
 120 100
 91 434.1 340.8 511.2

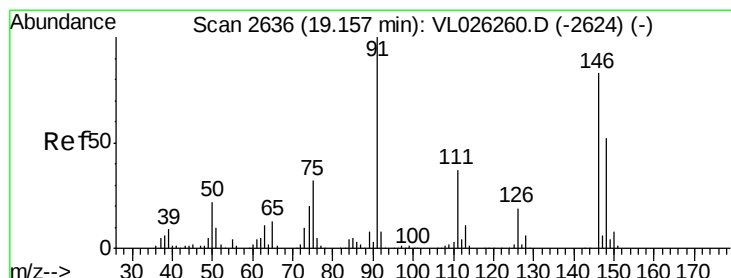
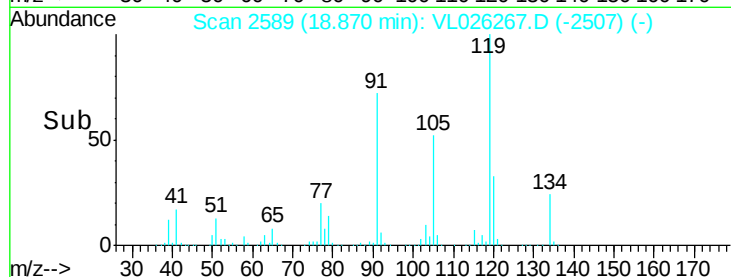
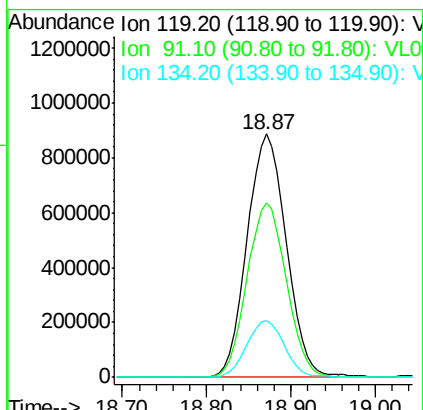
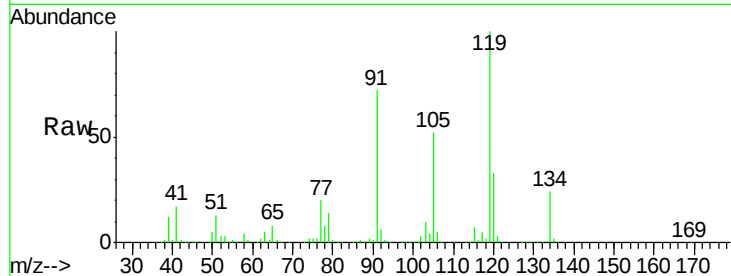




#65
tert-Butylbenzene
Concen: 6.95 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

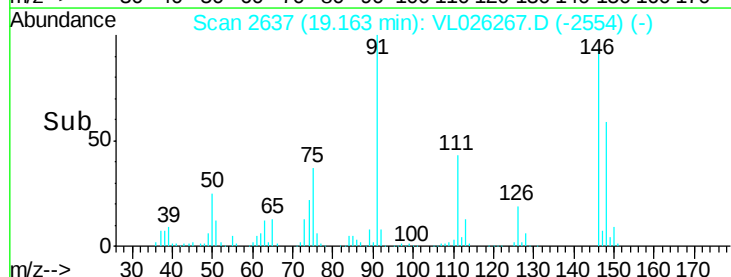
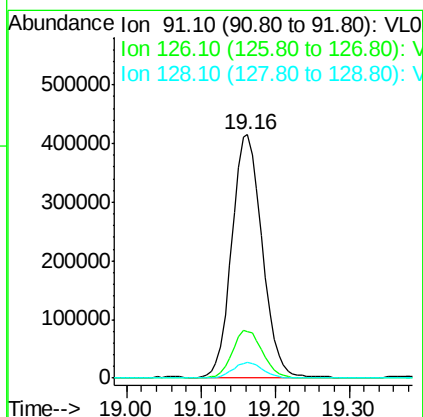
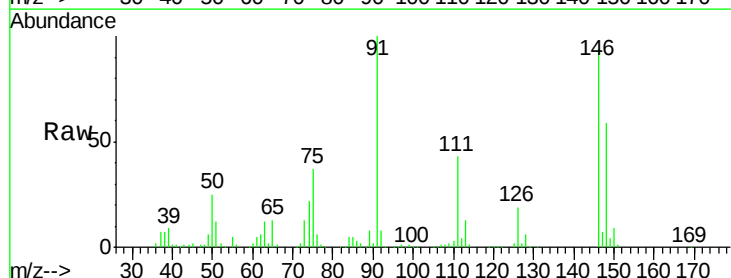
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

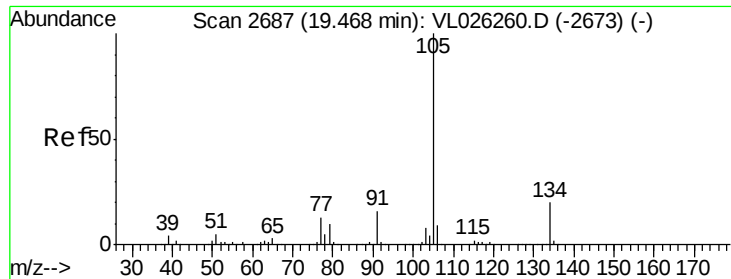
Tot Ion:119 Resp: 2806659
Ion Ratio Lower Upper
119 100
91 72.2 57.7 86.5
134 22.5 18.0 27.0



#66
Benzyl Chloride
Concen: 9.40 ppbv
RT: 19.16 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 91 Resp: 1182645
Ion Ratio Lower Upper
91 100
126 19.6 15.8 23.8
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 7.13 ppbv

RT: 19.47 min Scan# 2687

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

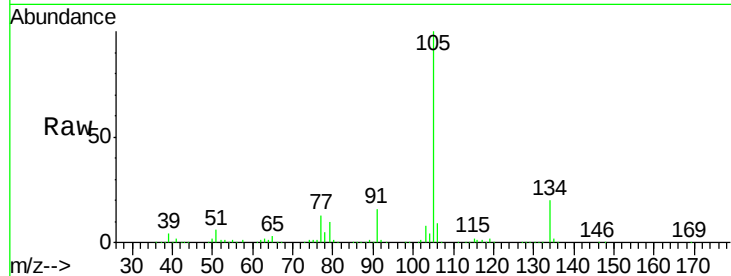
ICVVL102915

Tot Ion:105 Resp: 4083359

Ion Ratio Lower Upper

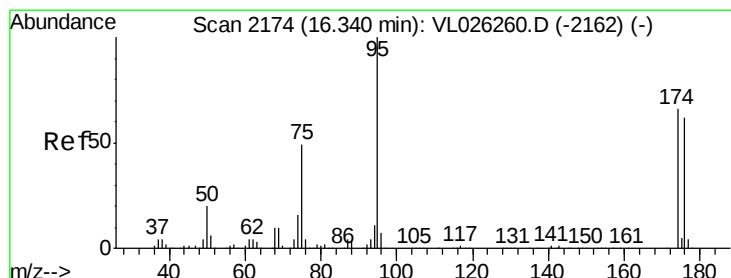
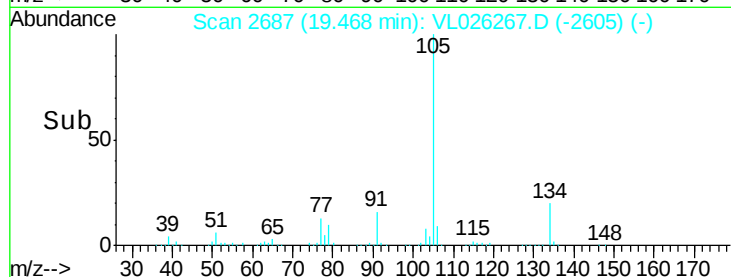
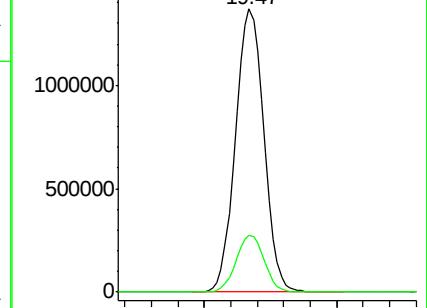
105 100

134 19.9 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: 8.31 ppbv

RT: 16.35 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

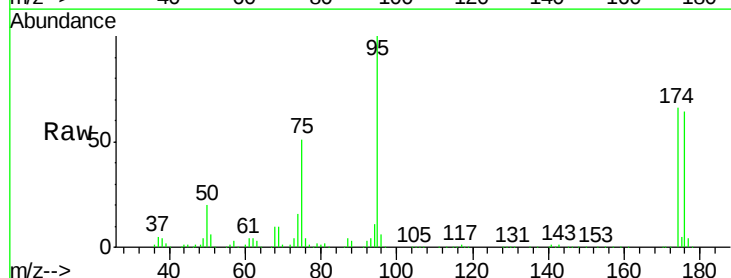
Tgt Ion: 95 Resp: 1525972

Ion Ratio Lower Upper

95 100

174 66.3 52.9 79.3

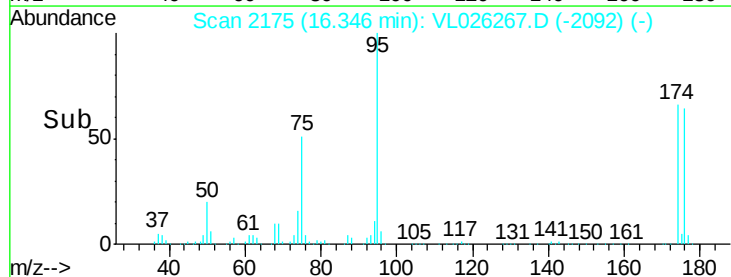
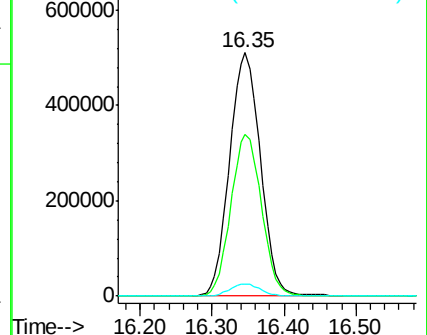
175 5.0 3.8 5.8

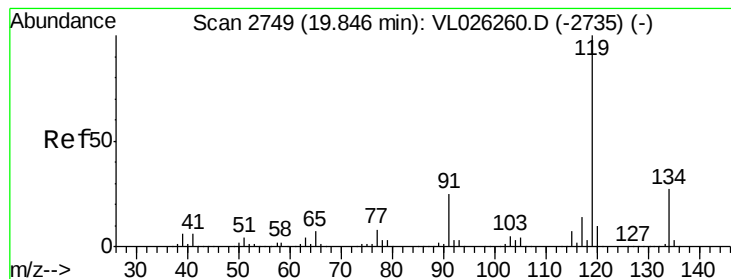


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.22 ppbv

RT: 19.85 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

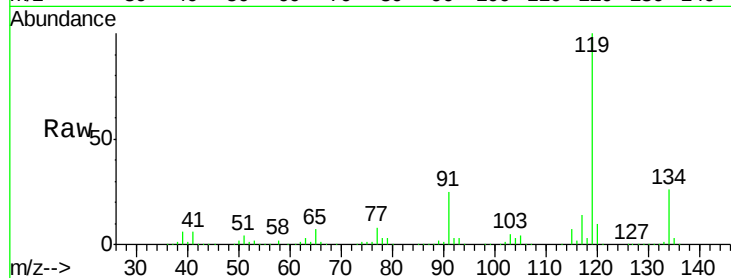
MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 119 Resp: 3365937

Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.3	31.9
91	24.8	19.6	29.4

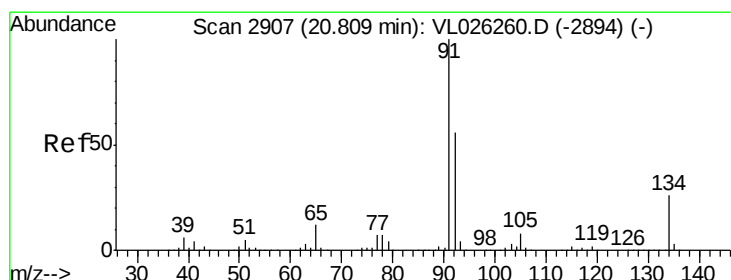
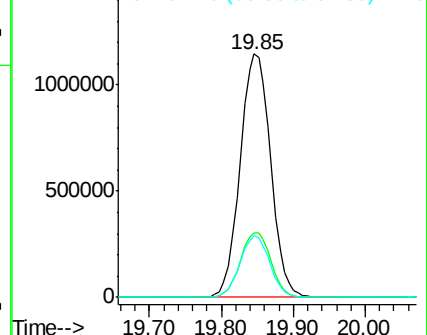
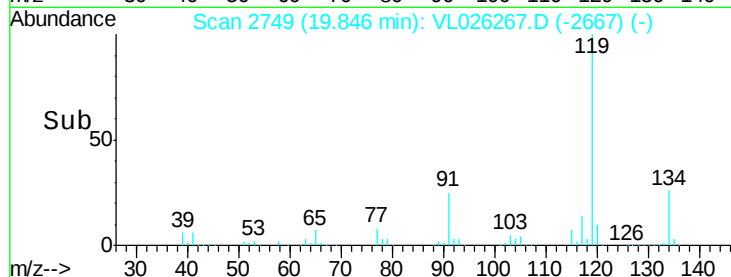


Abundance

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: 7.37 ppbv

RT: 20.81 min Scan# 2908

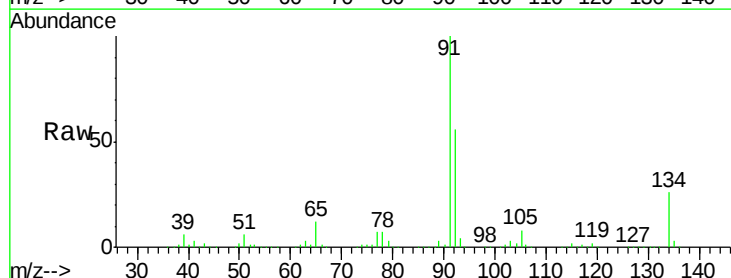
Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion: 91 Resp: 3270228

Ion	Ratio	Lower	Upper
91	100		
92	55.9	44.9	67.3
134	25.6	20.5	30.7

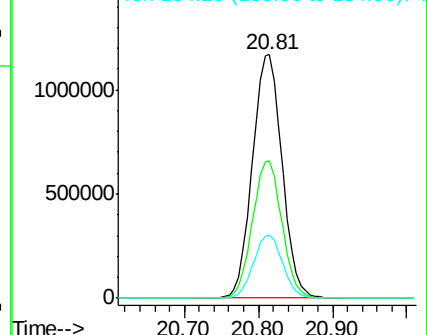
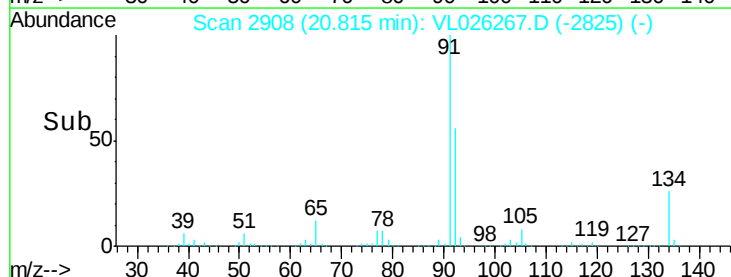


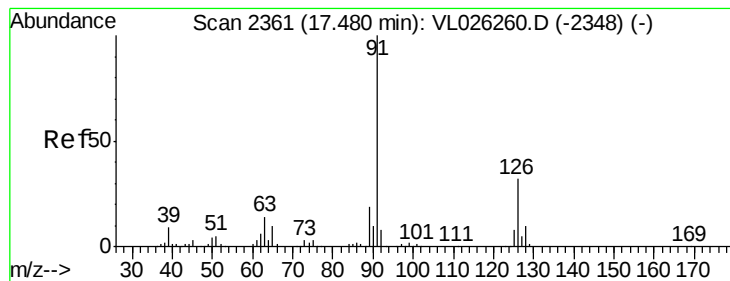
Abundance

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: 7.40 ppbv

RT: 17.49 min Scan# 2362

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

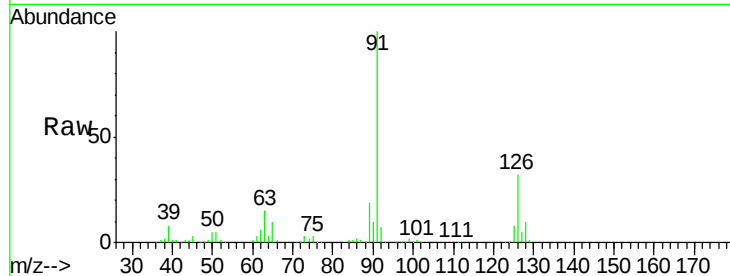
ICVVL102915

Tot Ion: 91 Resp: 2443645

Ion Ratio Lower Upper

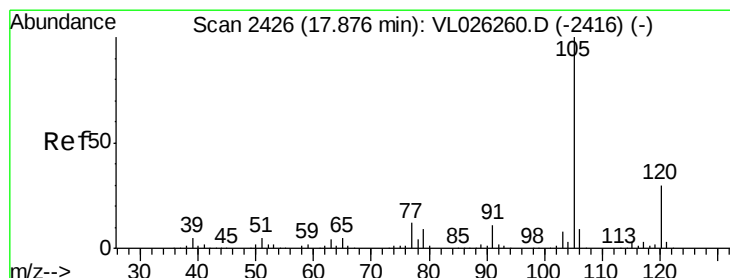
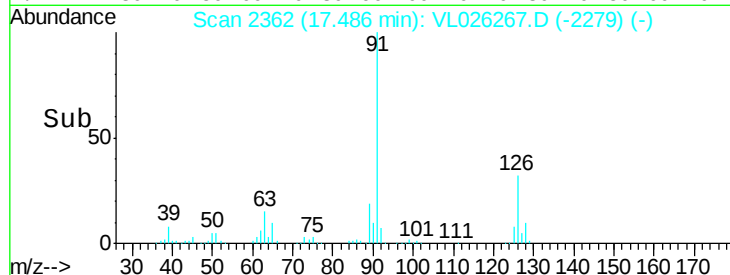
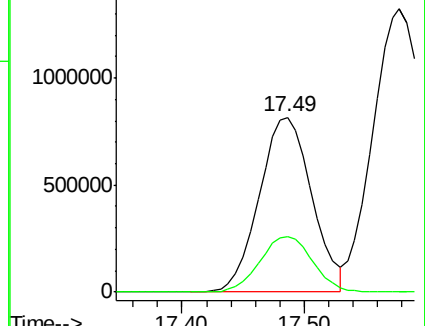
91 100

126 31.8 12.8 51.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 7.48 ppbv

RT: 17.88 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion:105 Resp: 2768128

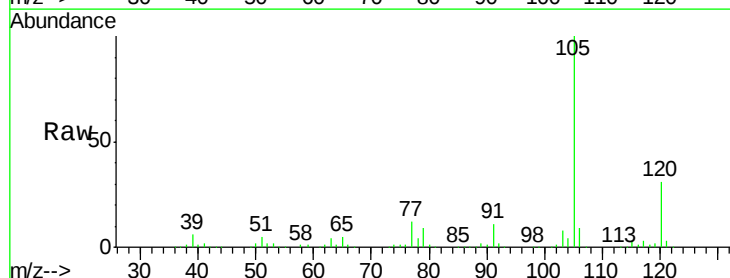
Ion Ratio Lower Upper

105 100

120 31.6 25.1 37.7

91 11.9 9.1 13.7

77 12.4 9.7 14.5

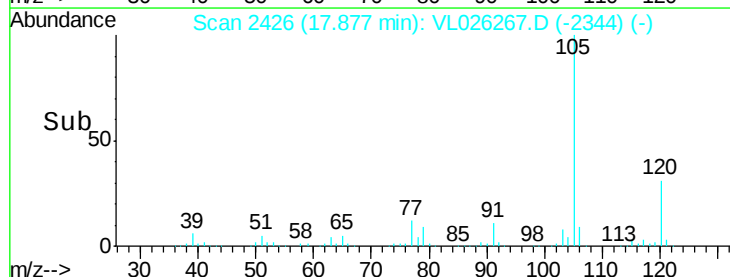
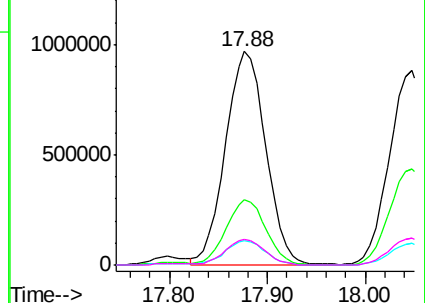


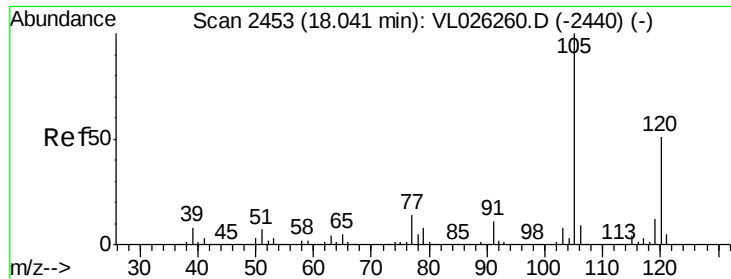
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

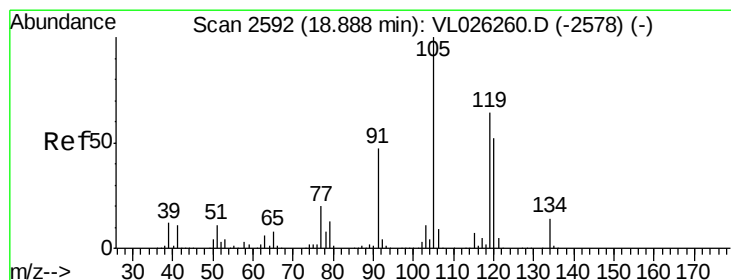
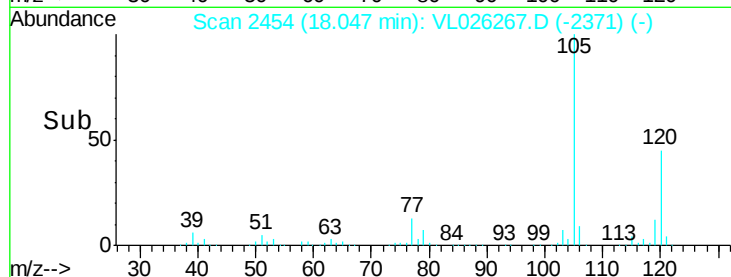
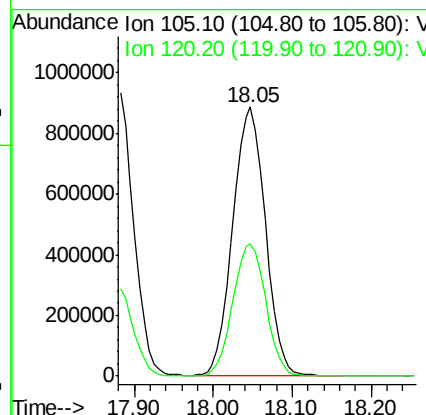
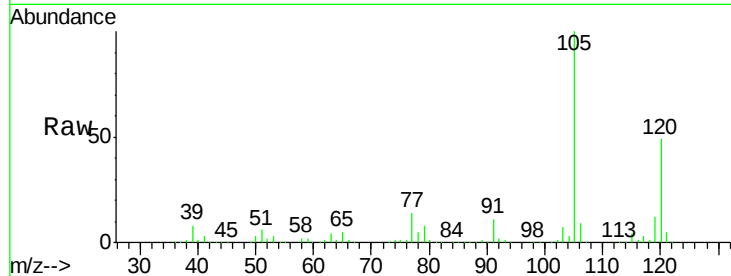




#73
 1,3,5-Trimethylbenzene
 Concen: 7.29 ppbv
 RT: 18.05 min Scan# 2454
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

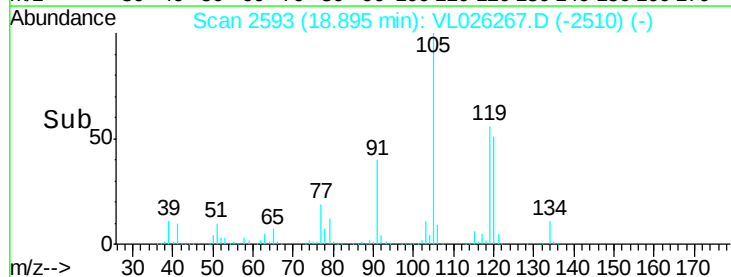
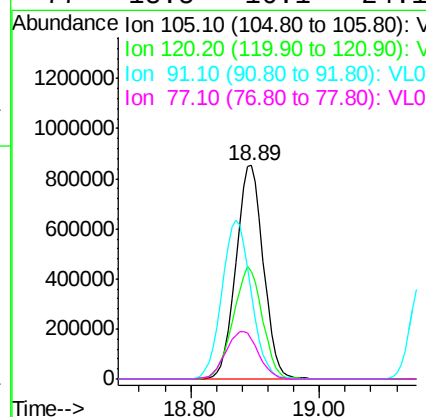
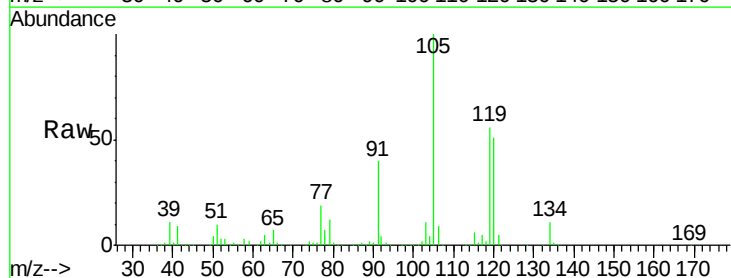
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

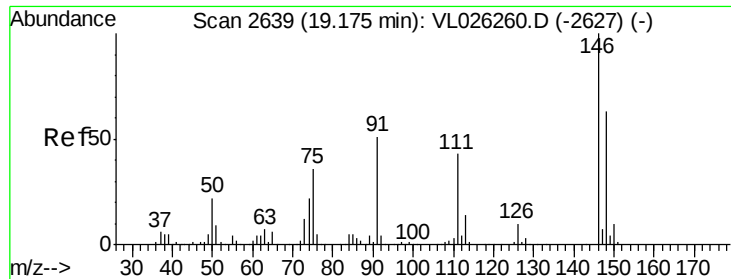
Tot Ion:105 Resp: 2546049
 Ion Ratio Lower Upper
 105 100
 120 49.4 40.6 61.0



#74
 1,2,4-Trimethylbenzene
 Concen: 6.90 ppbv
 RT: 18.89 min Scan# 2593
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion:105 Resp: 2521922
 Ion Ratio Lower Upper
 105 100
 120 50.5 41.2 61.8
 91 40.0 37.8 56.8
 77 18.5 16.1 24.1





#75

1,3-Dichlorobenzene

Concen: 7.10 ppbv

RT: 19.18 min Scan# 2640

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

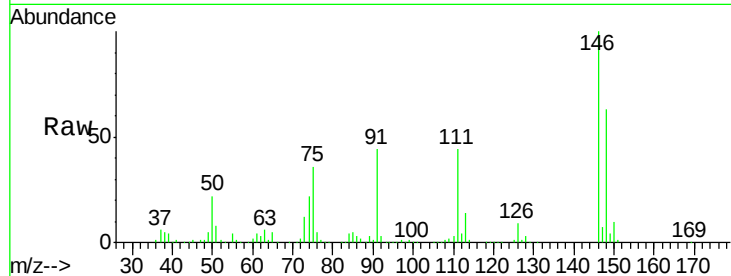
Tot Ion:146 Resp: 1681183

Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.5

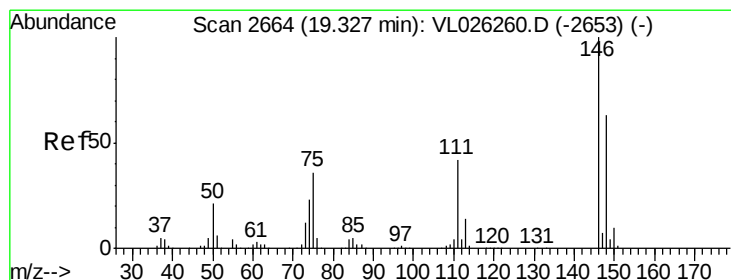
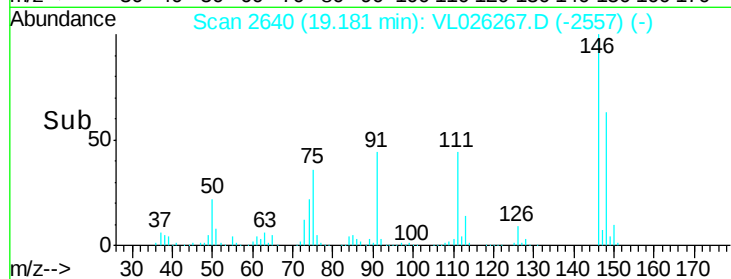
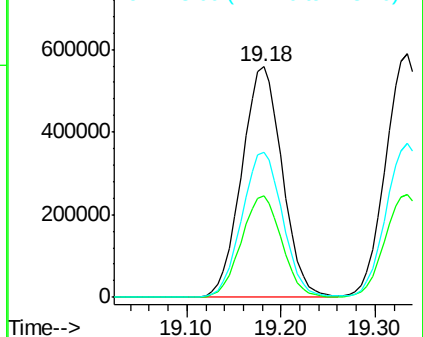
148 63.3 31.8 95.3



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: 7.27 ppbv

RT: 19.33 min Scan# 2665

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

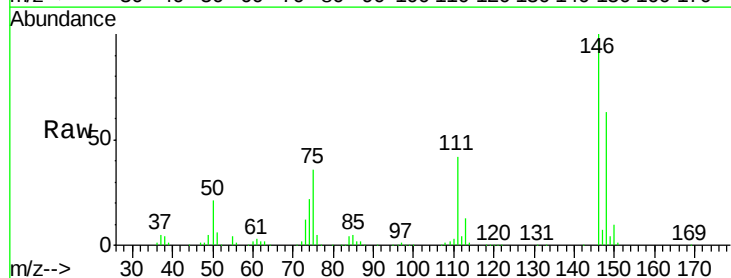
Tgt Ion:146 Resp: 1749232

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.4

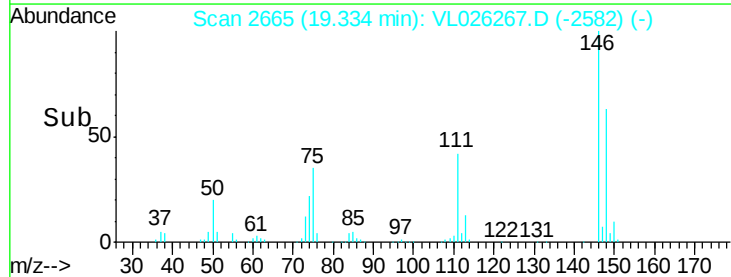
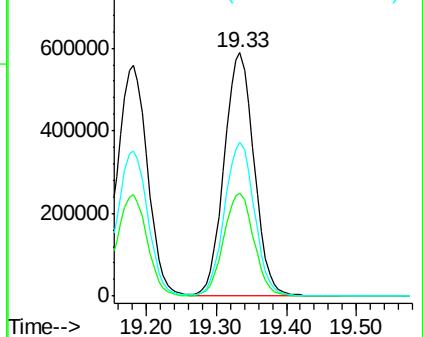
148 63.6 31.8 95.3

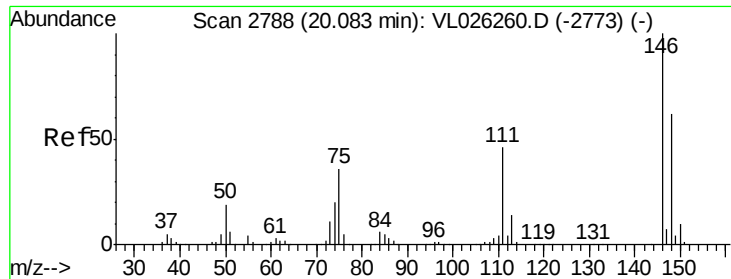


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.19 ppbv

RT: 20.09 min Scan# 2789

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

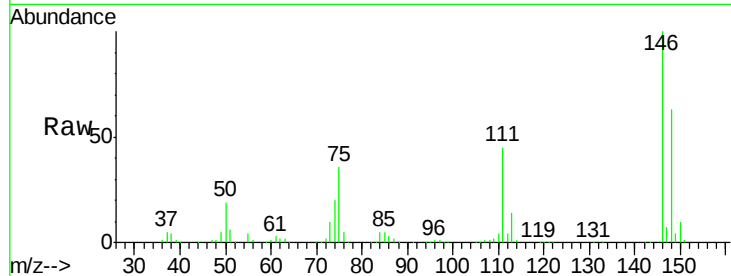
Tot Ion:146 Resp: 1698590

Ion Ratio Lower Upper

146 100

111 45.9 22.8 68.3

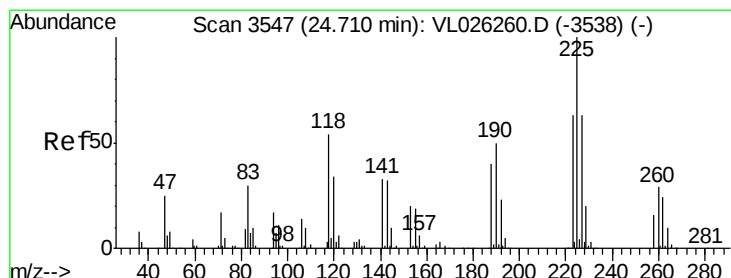
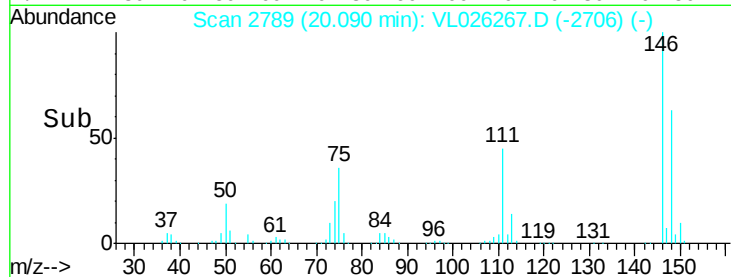
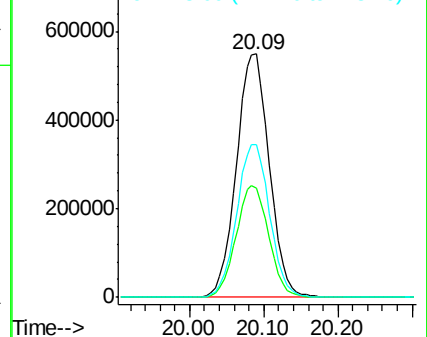
148 63.2 31.6 94.8



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: 6.92 ppbv

RT: 24.72 min Scan# 3548

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

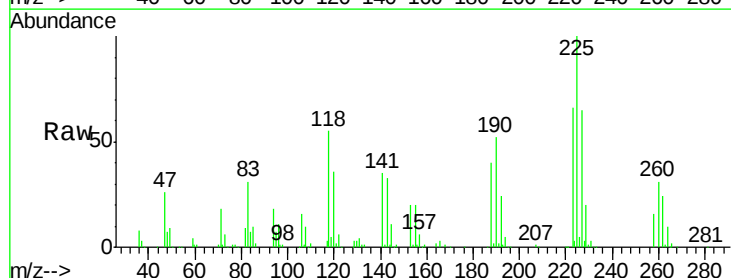
Tgt Ion:225 Resp: 662518

Ion Ratio Lower Upper

225 100

223 63.3 51.0 76.6

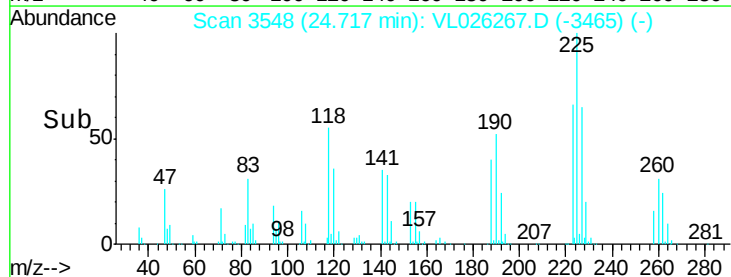
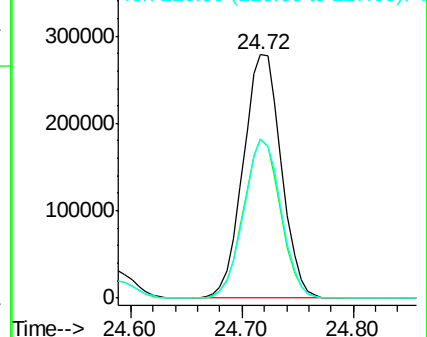
227 63.8 51.3 76.9

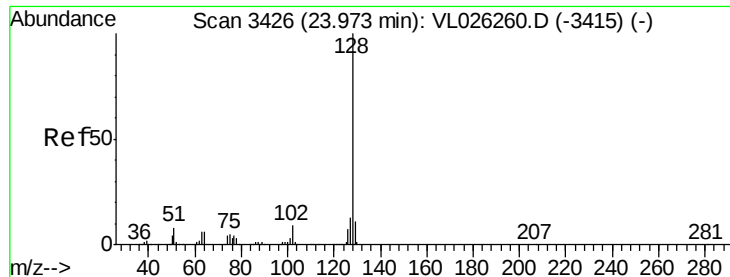


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

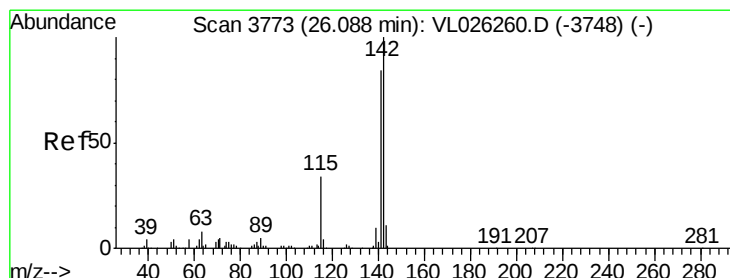
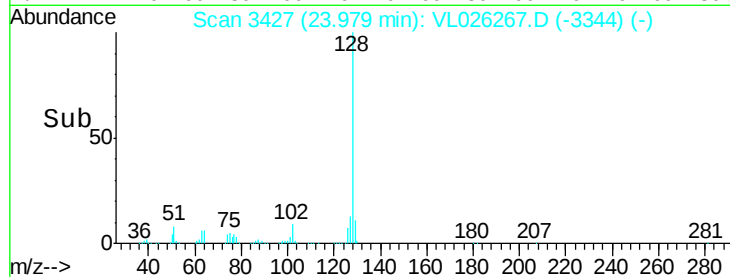
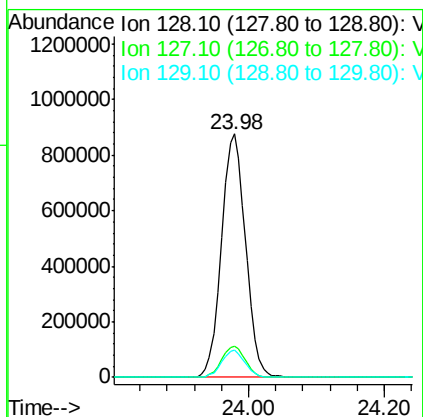
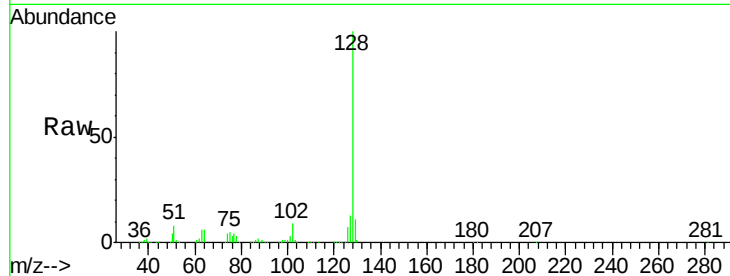




#79
Naphthalene
Concen: 8.22 ppbv
RT: 23.98 min Scan# 3427
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

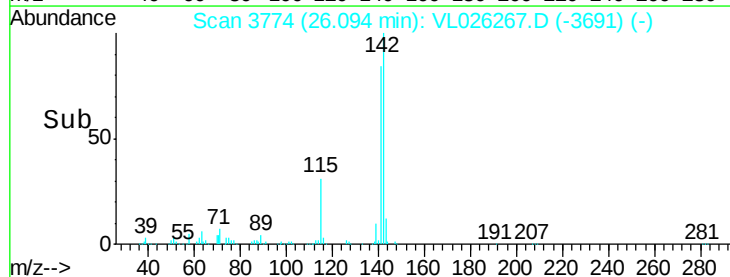
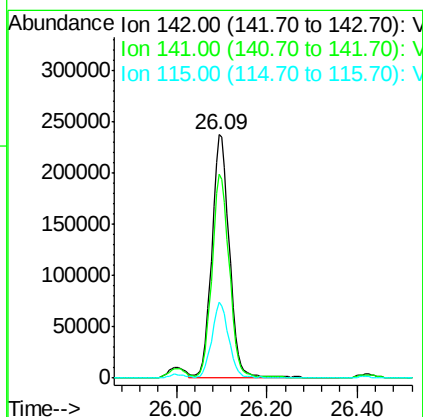
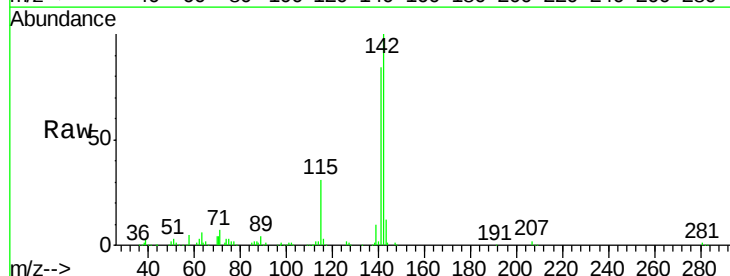
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

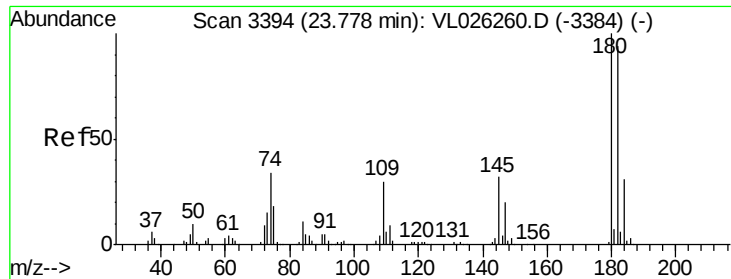
Tot Ion:128 Resp: 2149128
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 13.34 ppbv
RT: 26.09 min Scan# 3774
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion:142 Resp: 643502
Ion Ratio Lower Upper
142 100
141 87.7 66.1 99.1
115 30.9 28.1 42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.63 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
184	30.1	24.2	36.4

