

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026264.D
 Acq On : 29 Oct 2015 11:57
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Oct 29 12:40:35 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:22:38 2015
 QLast Update : Thu Oct 29 12:22:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	582577	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1607167	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	1863017	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1435312	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	16375	0.13	ppbv	97
3) Chlorodifluoromethane	3.60	51	13796	0.19	ppbv	97
4) Chloromethane	3.78	50	5330	0.13	ppbv	92
5) Vinyl Chloride	3.92	62	4849	0.11	ppbv	100
6) Bromomethane	4.17	94	3603	0.12	ppbv #	79
7) Chloroethane	4.27	64	2066	0.11	ppbv #	85
8) Dichlorotetrafluoroethane	3.84	85	13600	0.13	ppbv	94
9) Propene	3.62	41	5088	0.14	ppbv	90
10) Heptane	9.40	43	12269	0.10	ppbv	96
11) Trichlorofluoromethane	4.73	101	14931	0.13	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	9876	0.12	ppbv	99
13) Ethanol	4.41	45	271	0.06	ppbv #	33
14) Bromoethene	4.48	108	3492	0.10	ppbv #	93
15) Acetone	4.67	43	20411	0.26	ppbv #	51
16) 1,3-Butadiene	4.00	39	4172	0.11	ppbv	93
17) tert-Butyl alcohol	5.21	59	4491	0.08	ppbv #	71
18) 1,1-Dichloroethene	5.12	96	4182	0.12	ppbv	92
19) Isopropyl Alcohol	4.84	45	3262	0.10	ppbv #	1
20) Methylene Chloride	5.18	84	5818	0.17	ppbv	90
21) Allyl Chloride	5.26	41	6631	0.12	ppbv #	93
22) trans-1,2-Dichloroethene	5.81	96	5397	0.11	ppbv	96
23) Vinyl Acetate	6.04	43	15644	0.10	ppbv #	96
24) 1,1-Dichloroethane	5.95	63	12055	0.12	ppbv #	94
25) Ethyl Acetate	6.74	43	12416	0.08	ppbv #	94
26) Hexane	6.70	57	9614	0.12	ppbv	96
27) Carbon Disulfide	5.43	76	9944	0.10	ppbv #	83
28) Methyl tert-Butyl Ether	6.03	73	14924	0.11	ppbv	97
29) Chloroform	6.78	83	13821	0.12	ppbv	88
30) Cyclohexane	8.32	84	4066	0.05	ppbv #	1
31) cis-1,2-Dichloroethene	6.56	61	7470	0.10	ppbv	96
32) 1,1,1-Trichloroethane	7.63	97	13140	0.11	ppbv	99
35) Carbon Tetrachloride	8.20	117	12098	0.10	ppbv	96
36) Benzene	8.06	78	19958	0.12	ppbv	97
37) 1,2-Dichloroethane	7.42	62	10738	0.12	ppbv #	91
38) Trichloroethene	9.10	130	8912	0.11	ppbv	94
39) 1,2-Dichloropropane	8.86	63	7929	0.13	ppbv	94
41) Tetrahydrofuran	7.23	42	5467	0.10	ppbv #	87
42) Bromodichloromethane	9.06	83	12029	0.10	ppbv	94
43) Methyl Methacrylate	9.32	69	5320	0.09	ppbv	98
44) 2,2,4-Trimethylpentane	9.12	57	31702	0.11	ppbv	100
45) t-1,3-Dichloropropene	10.69	75	5885	0.07	ppbv	96

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026264.D
 Acq On : 29 Oct 2015 11:57
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Oct 29 12:40:35 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:22:38 2015
 QLast Update : Thu Oct 29 12:22:38 2015
 Response via : Initial Calibration

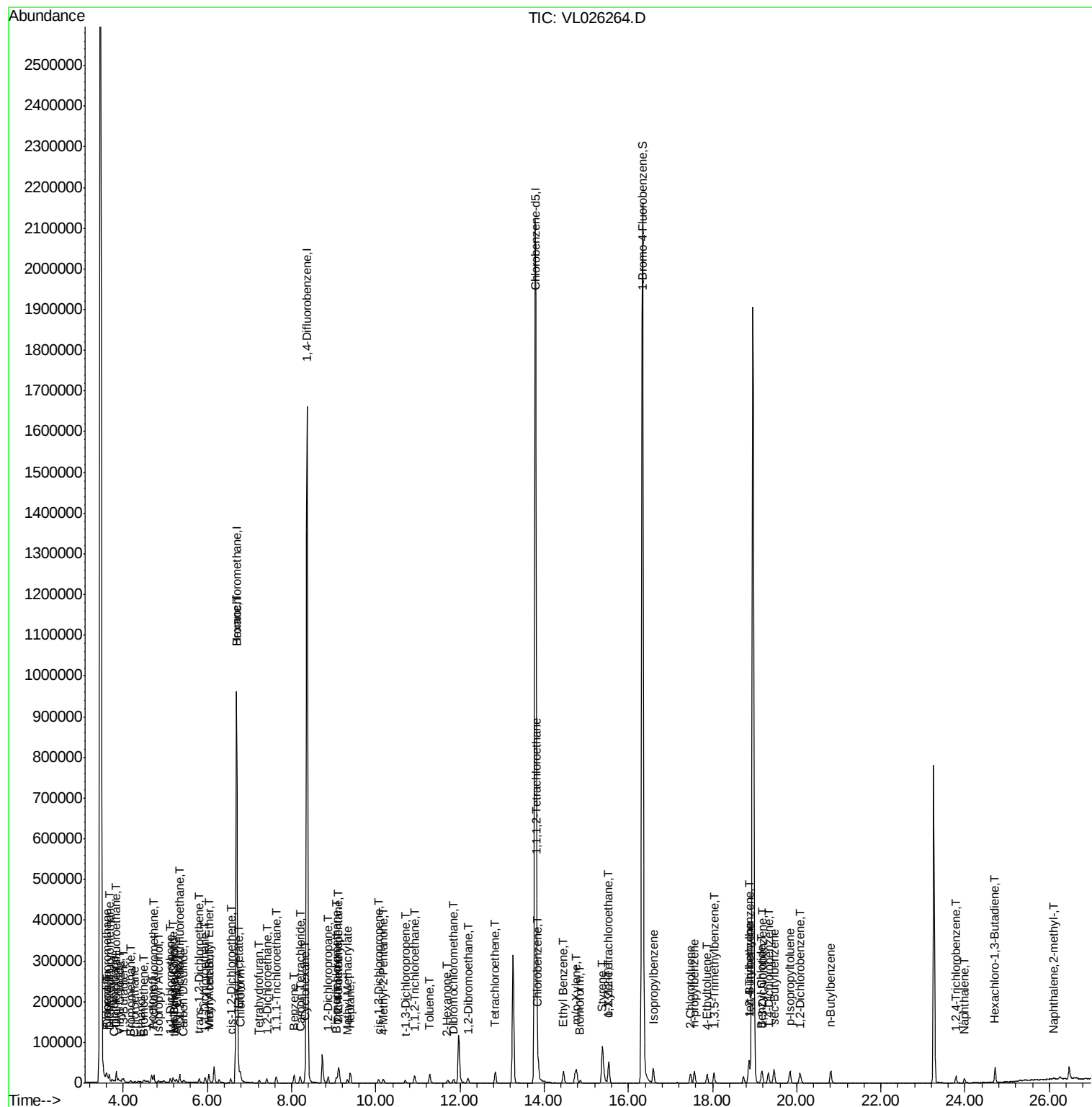
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	10.06	75	8584	0.08	ppbv	98
47) 1,1,2-Trichloroethane	10.91	97	6056	0.08	ppbv	90
48) Dibromochloromethane	11.85	129	8900	0.08	ppbv	97
49) Bromoform	14.85	173	5744	0.07	ppbv	93
50) 4-Methyl-2-Pentanone	10.17	43	11709	0.09	ppbv	99
51) 2-Hexanone	11.70	43	9149	0.08	ppbv #	98
52) Tetrachloroethene	12.84	164	9463	0.10	ppbv	94
53) Toluene	11.28	91	23992	0.11	ppbv	97
54) 1,2-Dibromoethane	12.18	107	12143	0.11	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.83	131	8856	0.10	ppbv #	1
57) Chlorobenzene	13.85	112	25121	0.14	ppbv	98
58) Ethyl Benzene	14.46	91	33310	0.11	ppbv	100
59) m/p-Xylene	14.76	91	32720	0.13	ppbv #	100
60) o-Xylene	15.54	91	31795	0.13	ppbv	95
61) Styrene	15.36	104	9276	0.09	ppbv	98
62) Isopropylbenzene	16.59	105	37372	0.11	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.53	83	21908	0.13	ppbv	96
64) n-propylbenzene	17.57	120	8736	0.09	ppbv	69
65) tert-Butylbenzene	18.86	119	33792	0.11	ppbv	96
66) Benzyl Chloride	19.15	91	5683	0.06	ppbv #	76
67) sec-Butylbenzene	19.46	105	45382	0.10	ppbv	99
69) p-Isopropyltoluene	19.84	119	33390	0.09	ppbv	99
70) n-Butylbenzene	20.80	91	30773	0.09	ppbv	96
71) 2-Chlorotoluene	17.47	91	25039	0.10	ppbv	97
72) 4-Ethyltoluene	17.87	105	25738	0.09	ppbv	97
73) 1,3,5-Trimethylbenzene	18.04	105	26650	0.10	ppbv	96
74) 1,2,4-Trimethylbenzene	18.88	105	33970	0.12	ppbv #	89
75) 1,3-Dichlorobenzene	19.18	146	22592	0.12	ppbv	96
76) 1,4-Dichlorobenzene	19.33	146	22403	0.12	ppbv	96
77) 1,2-Dichlorobenzene	20.08	146	21323	0.12	ppbv	97
78) Hexachloro-1,3-Butadiene	24.72	225	10420	0.14	ppbv	98
79) Naphthalene	23.99	128	17108	0.08	ppbv	98
80) Naphthalene,2-methyl-	26.10	142	2320	0.06	ppbv #	83
81) 1,2,4-Trichlorobenzene	23.79	180	10437	0.10	ppbv	98

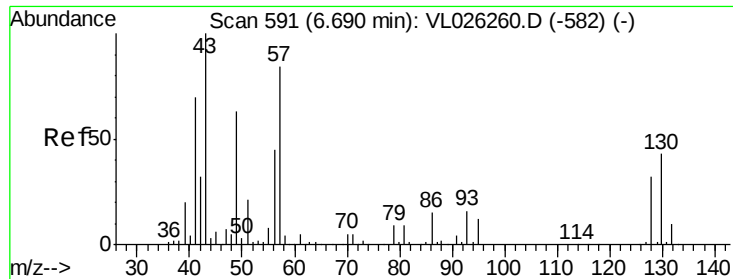
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
Data File : VL026264.D
Acq On : 29 Oct 2015 11:57
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Oct 29 12:40:35 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:22:38 2015
QLast Update : Thu Oct 29 12:22:38 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

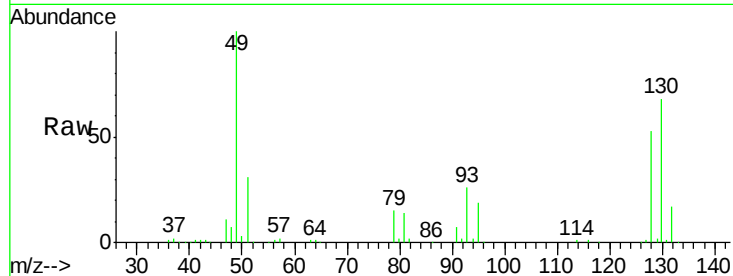
Tot Ion: 49 Resp: 582577

Ion Ratio Lower Upper

49 100

128 54.0 26.7 80.1

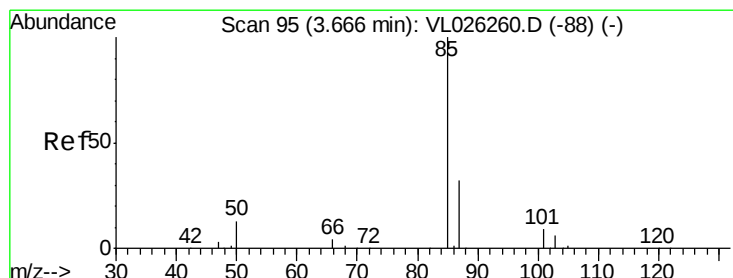
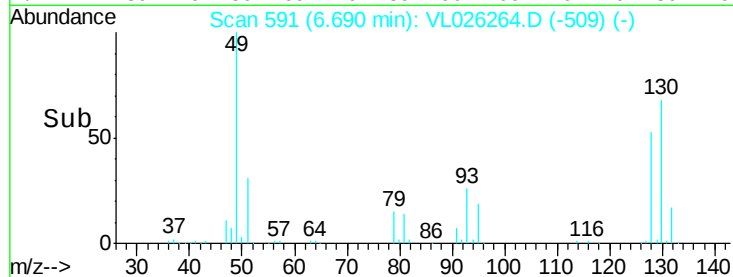
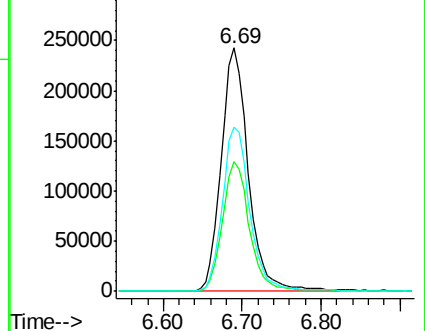
130 69.2 34.4 103.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.13 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026264.D

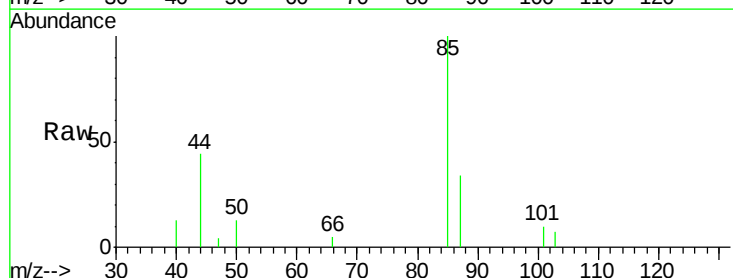
Acq: 29 Oct 2015 11:57

Tgt Ion: 85 Resp: 16375

Ion Ratio Lower Upper

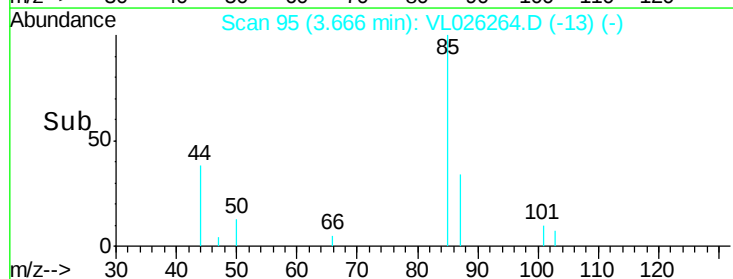
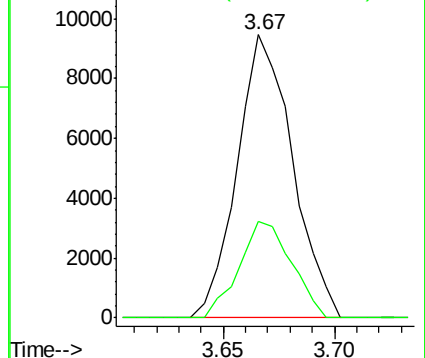
85 100

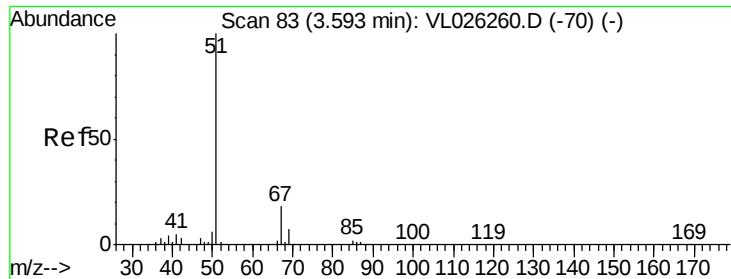
87 34.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.19 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

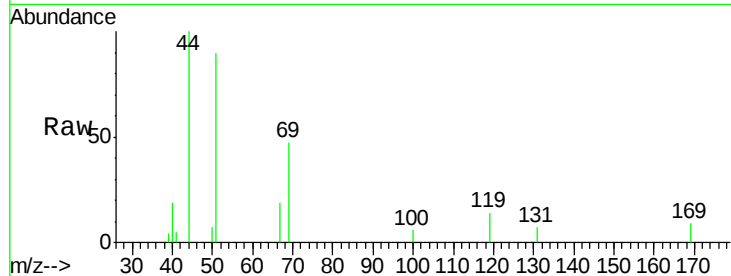
VSTDIC0.1

Tot Ion: 51 Resp: 13796

Ion Ratio Lower Upper

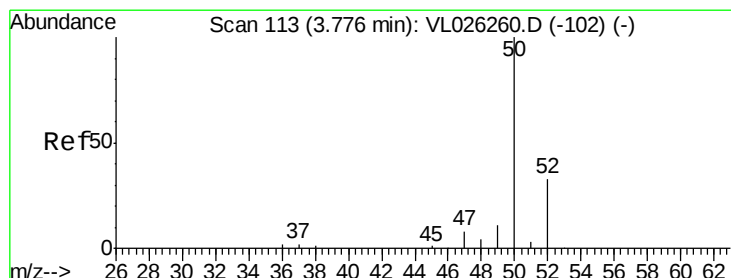
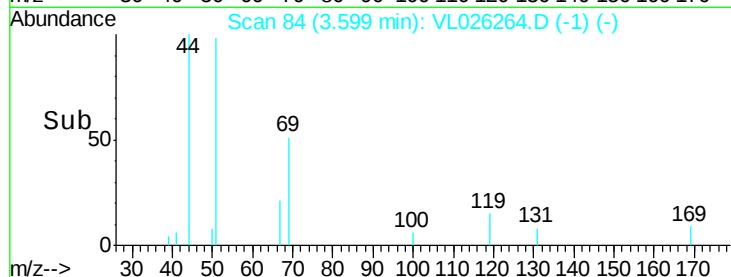
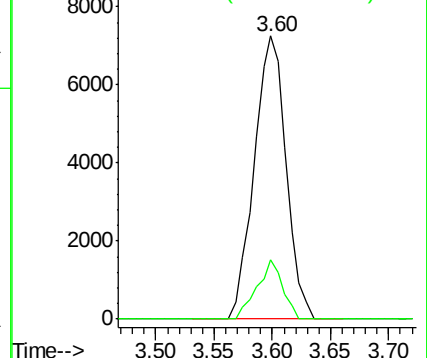
51 100

67 16.8 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: 0.13 ppbv

RT: 3.78 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL026264.D

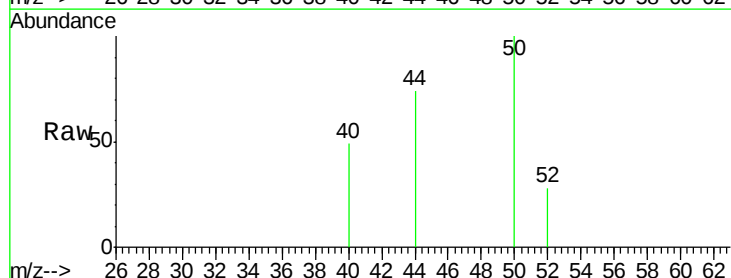
Acq: 29 Oct 2015 11:57

Tgt Ion: 50 Resp: 5330

Ion Ratio Lower Upper

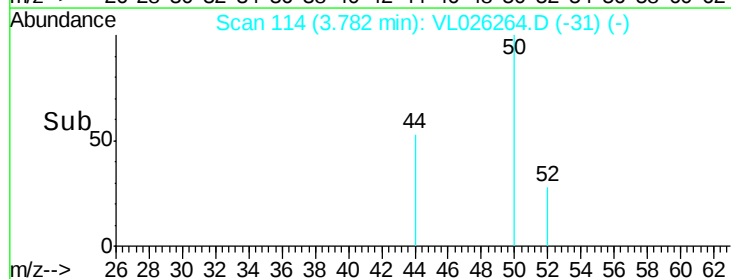
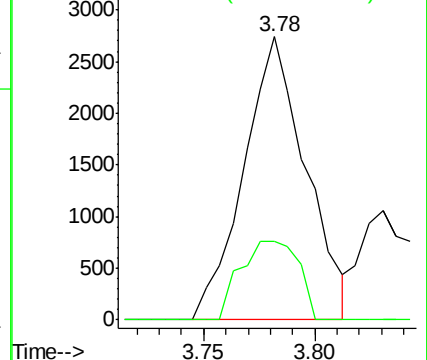
50 100

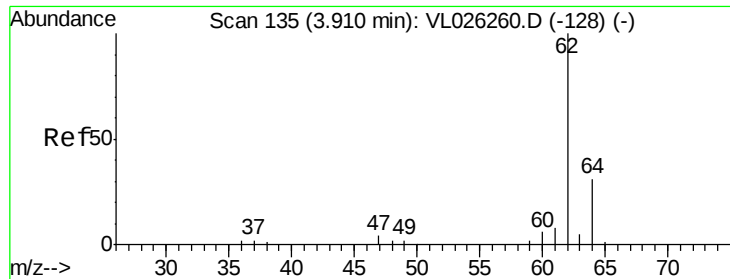
52 27.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.11 ppbv

RT: 3.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

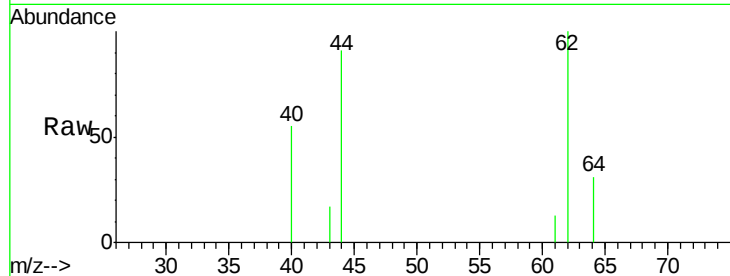
VSTDIC0.1

Tot Ion: 62 Resp: 4849

Ion Ratio Lower Upper

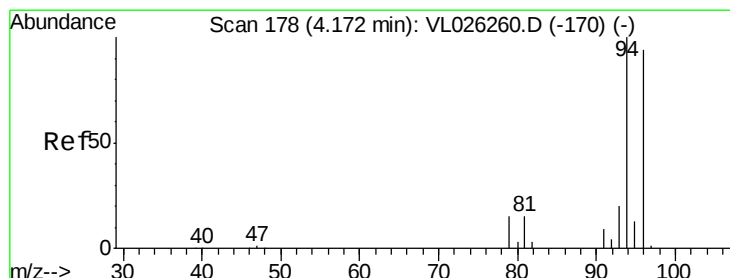
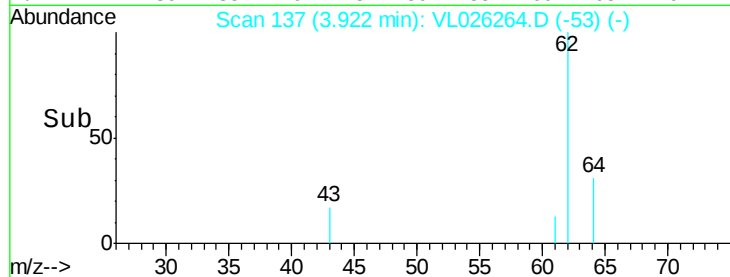
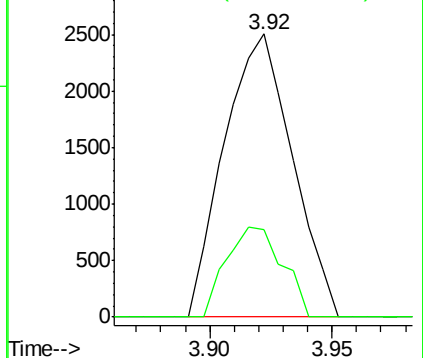
62 100

64 30.9 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: 0.12 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026264.D

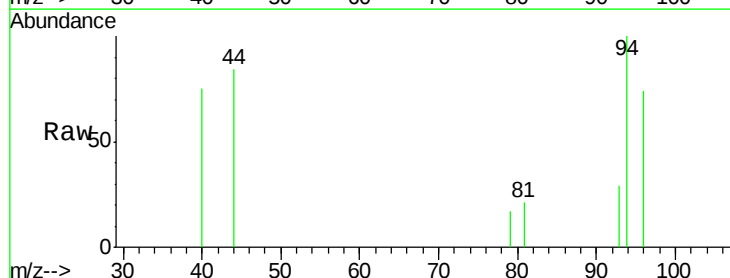
Acq: 29 Oct 2015 11:57

Tgt Ion: 94 Resp: 3603

Ion Ratio Lower Upper

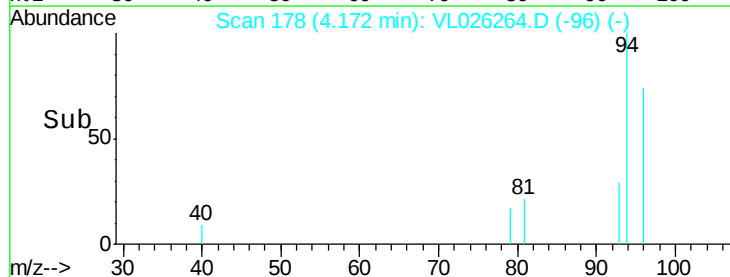
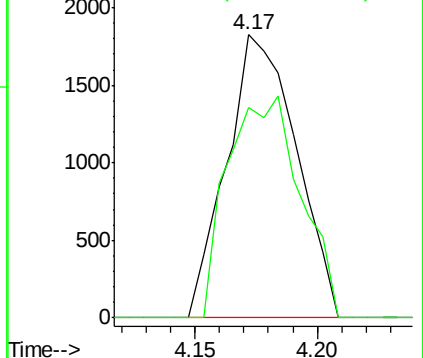
94 100

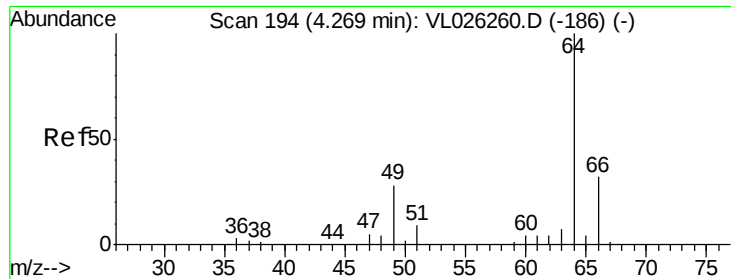
96 74.4 75.5 113.3#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.11 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

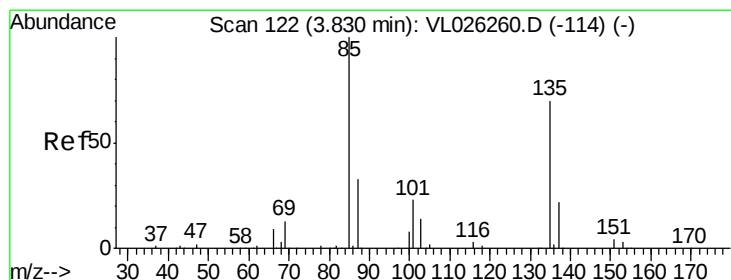
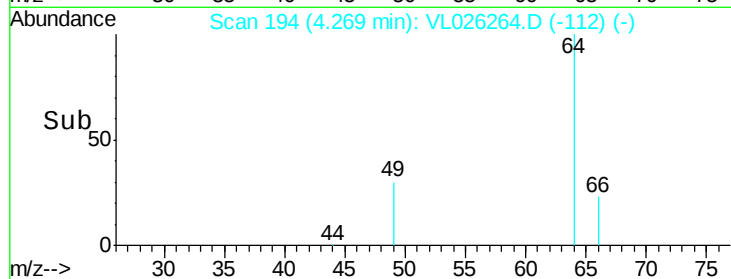
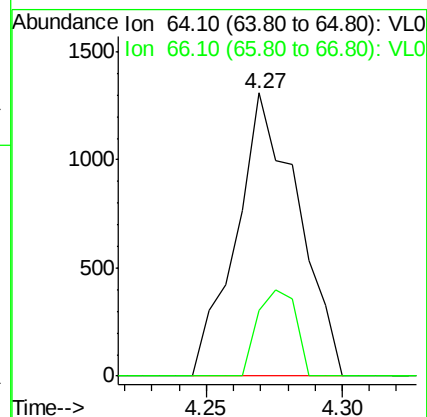
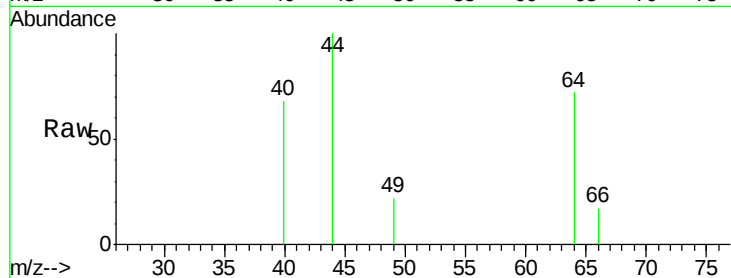
VSTDIC0.1

Tot Ion: 64 Resp: 2066

Ion Ratio Lower Upper

64 100

66 23.1 25.2 37.8#



#8

Dichlorotetrafluoroethane

Concen: 0.13 ppbv

RT: 3.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL026264.D

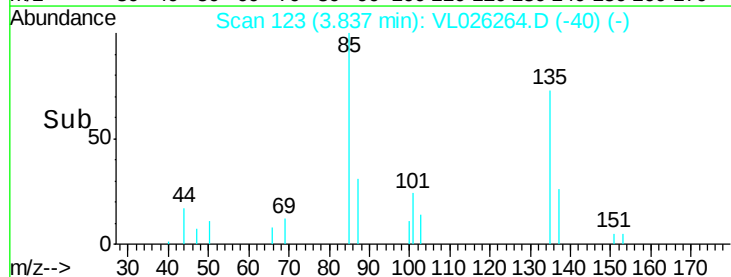
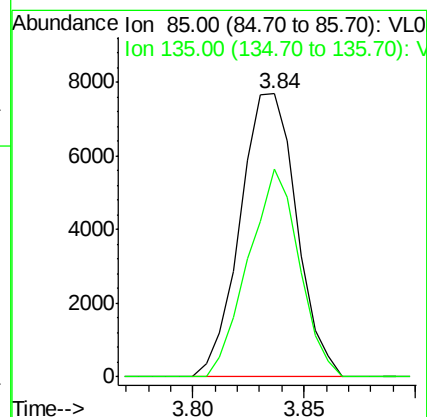
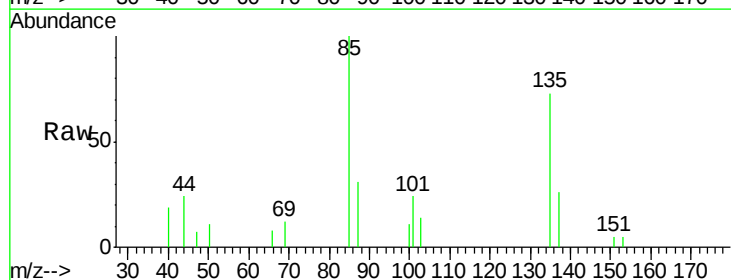
Acq: 29 Oct 2015 11:57

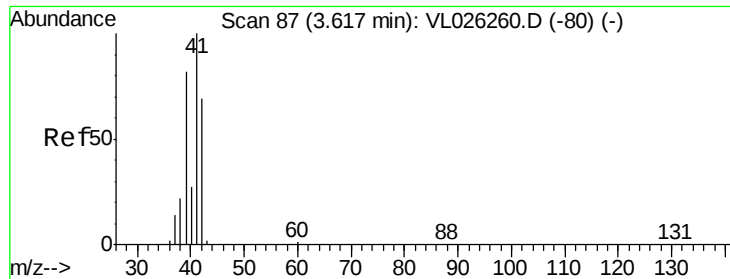
Tgt Ion: 85 Resp: 13600

Ion Ratio Lower Upper

85 100

135 65.8 56.6 84.8





#9

Propene

Concen: 0.14 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

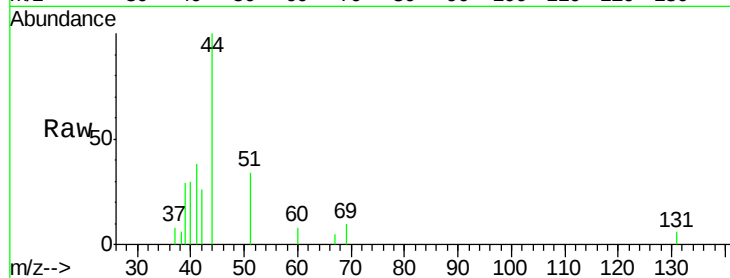
VSTDIC0.1

Tot Ion: 41 Resp: 5088

Ion Ratio Lower Upper

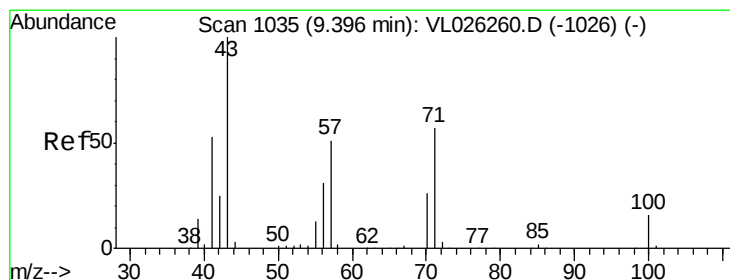
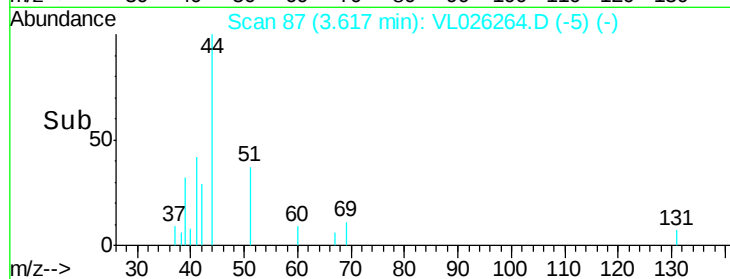
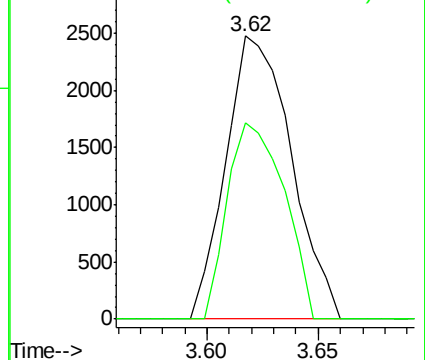
41 100

42 60.1 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: 0.10 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VL026264.D

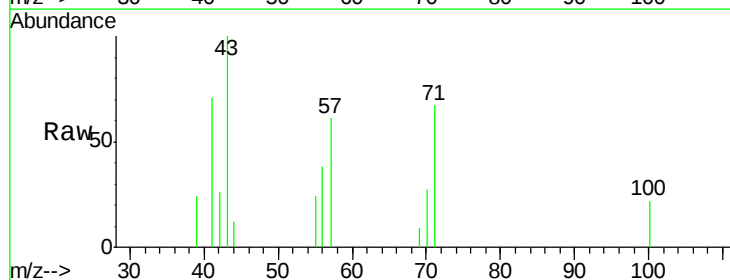
Acq: 29 Oct 2015 11:57

Tgt Ion: 43 Resp: 12269

Ion Ratio Lower Upper

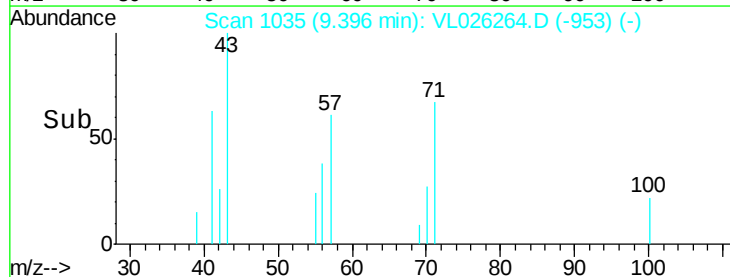
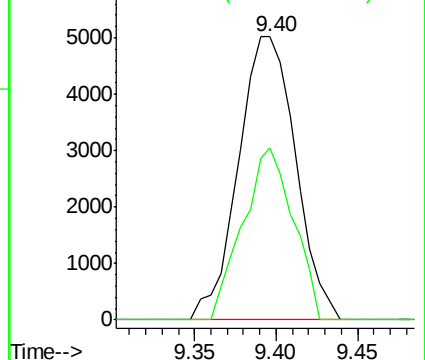
43 100

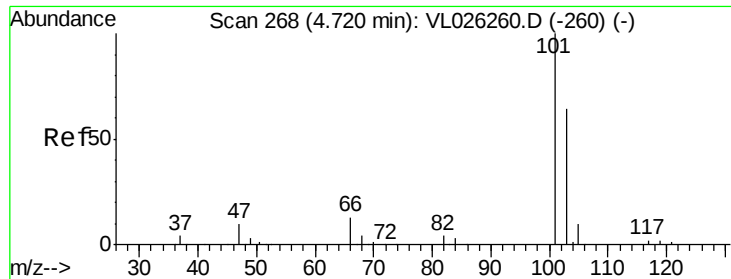
57 53.9 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

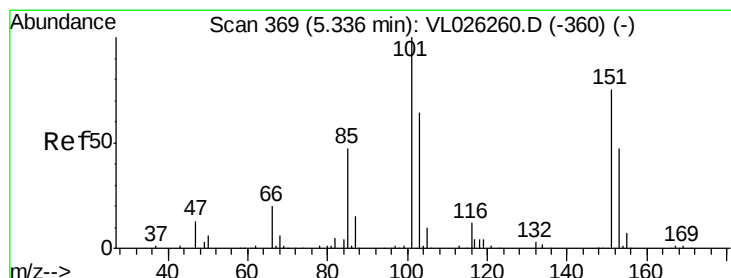
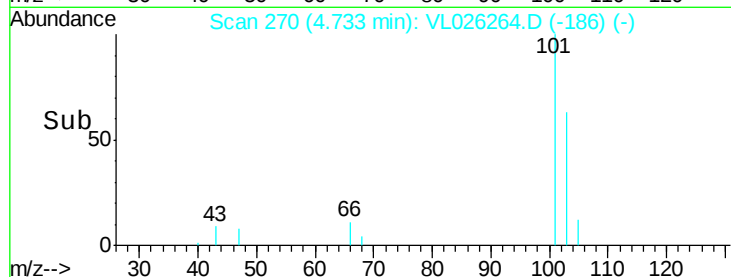
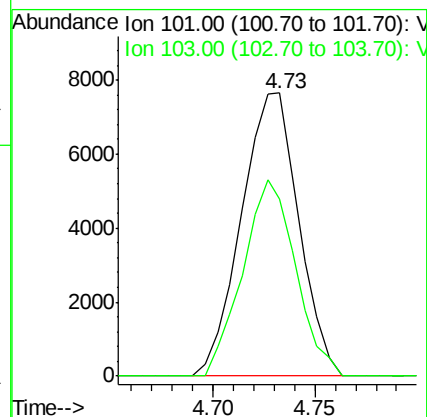
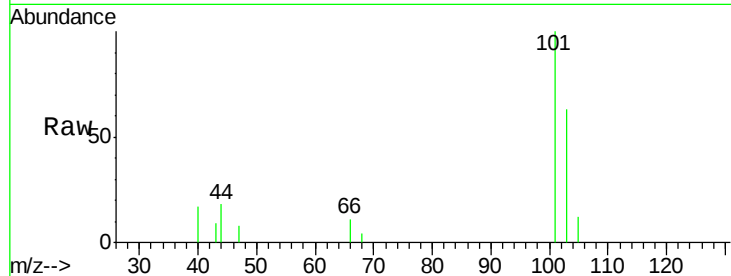




#11
 Trichlorofluoromethane
 Concen: 0.13 ppbv
 RT: 4.73 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

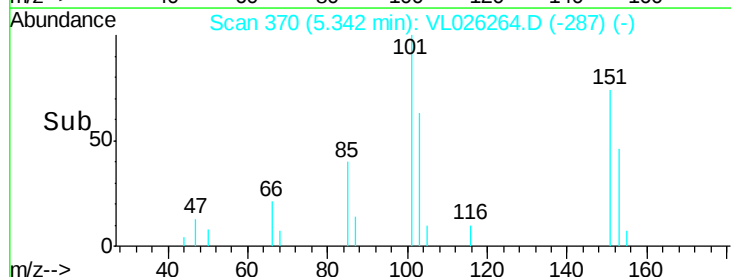
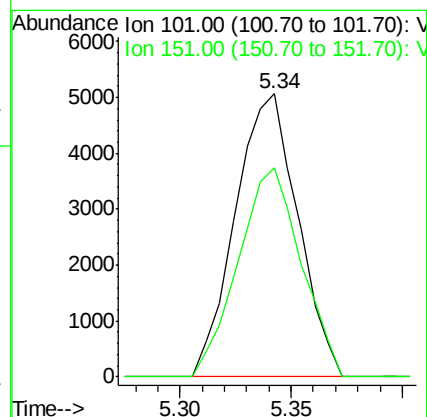
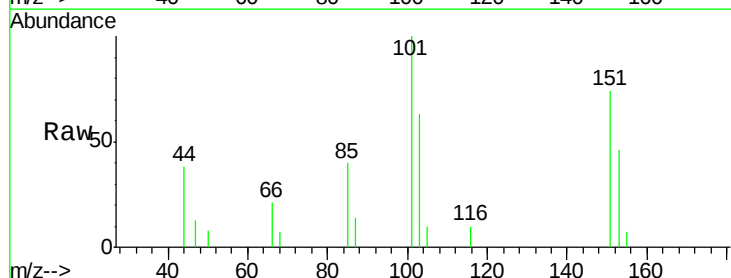
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

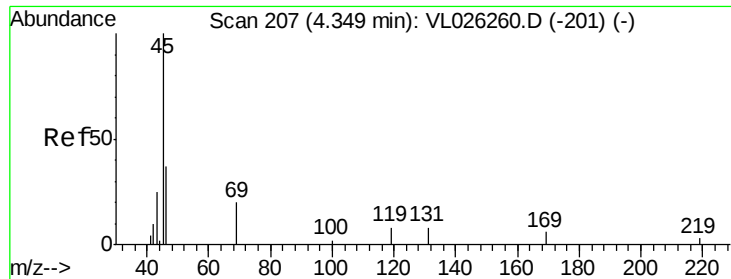
Tot Ion:101 Resp: 14931
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.12 ppbv
 RT: 5.34 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion:101 Resp: 9876
 Ion Ratio Lower Upper
 101 100
 151 74.5 60.3 90.5





#13

Ethanol

Concen: 0.06 ppbv

RT: 4.41 min Scan# 217

Delta R.T. 0.06 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

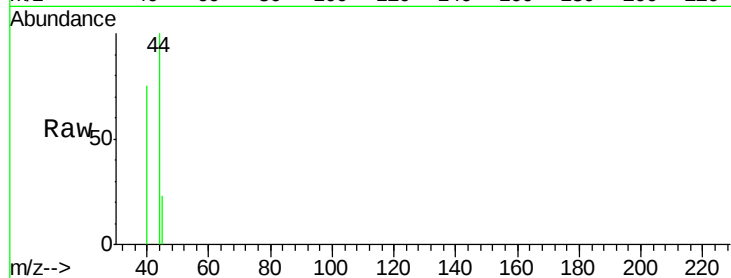
VSTDIC0.1

Tot Ion: 45 Resp: 271

Ion Ratio Lower Upper

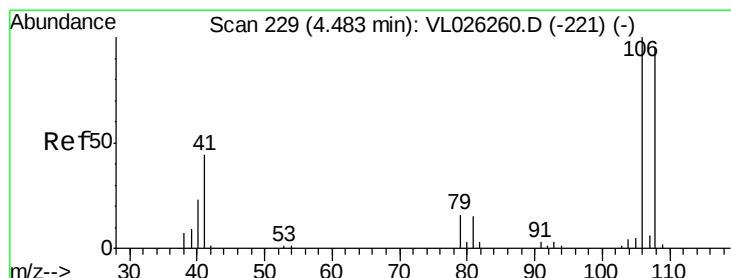
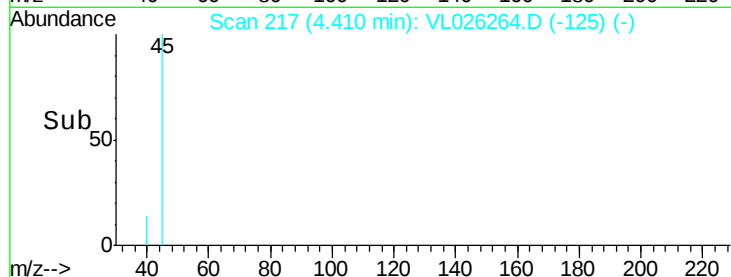
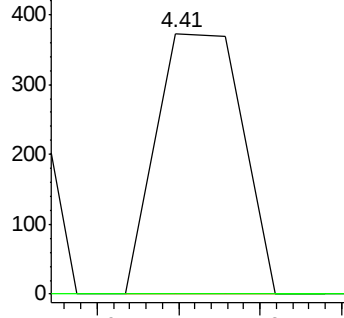
45 100

46 0.0 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: 0.10 ppbv

RT: 4.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

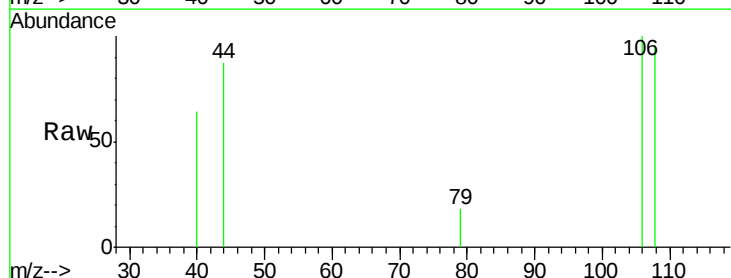
Tgt Ion: 108 Resp: 3492

Ion Ratio Lower Upper

108 100

106 113.3 85.4 128.0

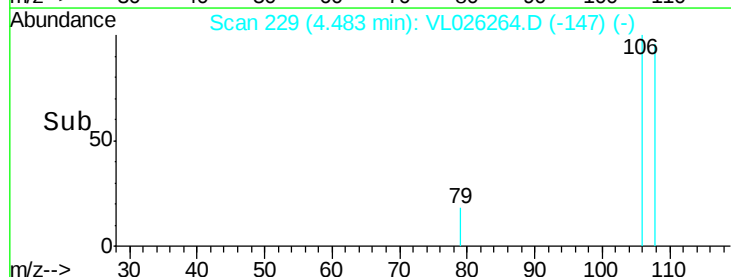
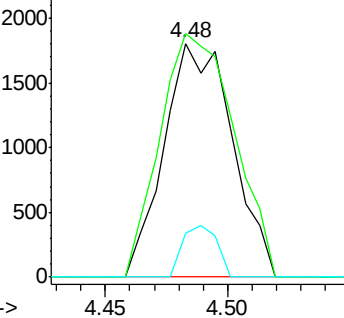
79 11.0 13.5 20.3#

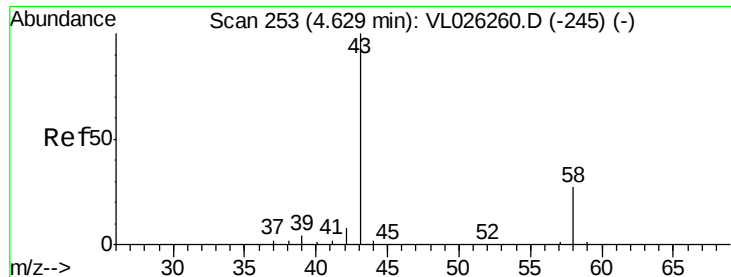


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.26 ppbv

RT: 4.67 min Scan# 260

Delta R.T. 0.04 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

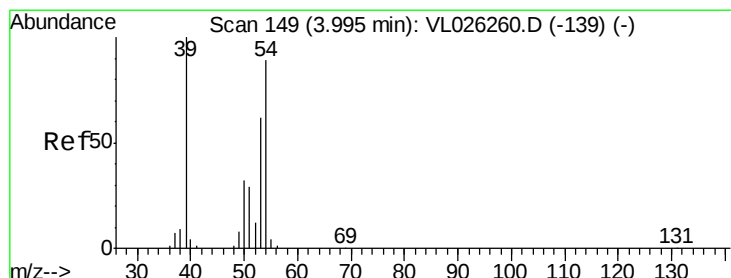
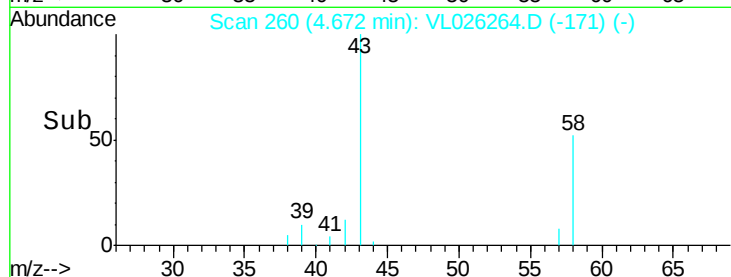
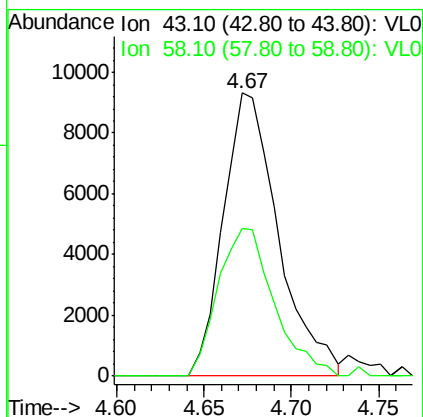
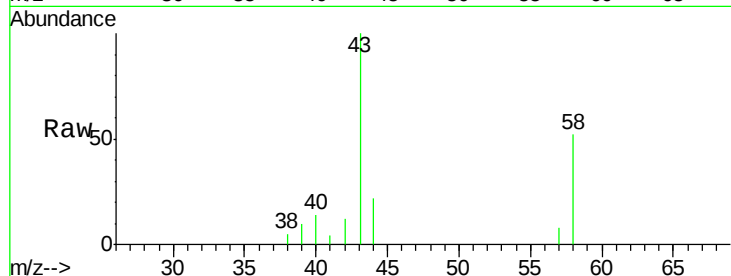
VSTDIC0.1

Tot Ion: 43 Resp: 20411

Ion Ratio Lower Upper

43 100

58 53.7 22.3 33.5#



#16

1,3-Butadiene

Concen: 0.11 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026264.D

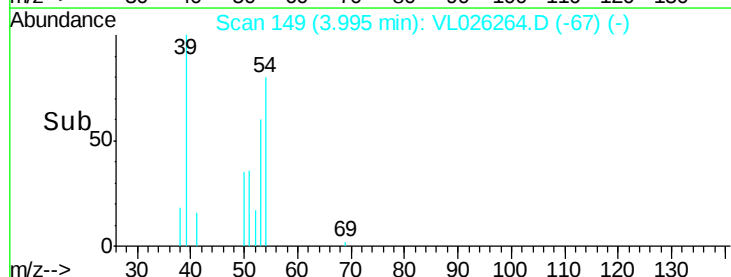
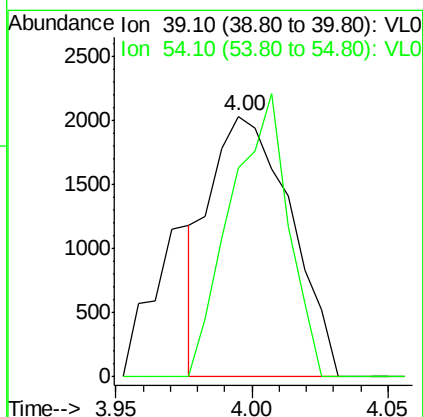
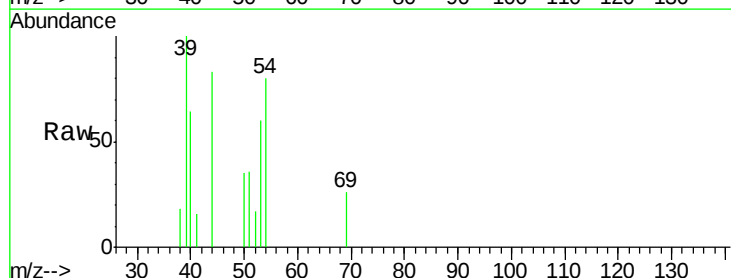
Acq: 29 Oct 2015 11:57

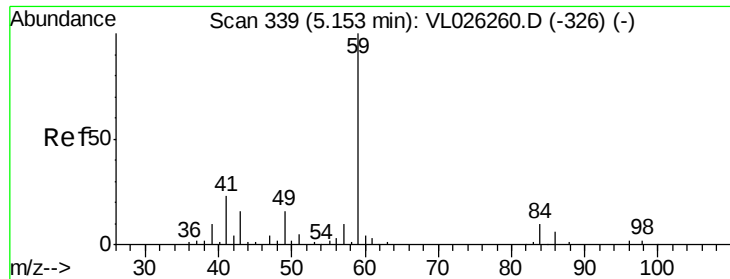
Tgt Ion: 39 Resp: 4172

Ion Ratio Lower Upper

39 100

54 78.0 67.3 100.9

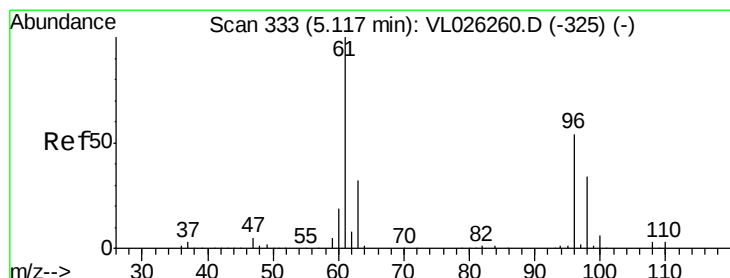
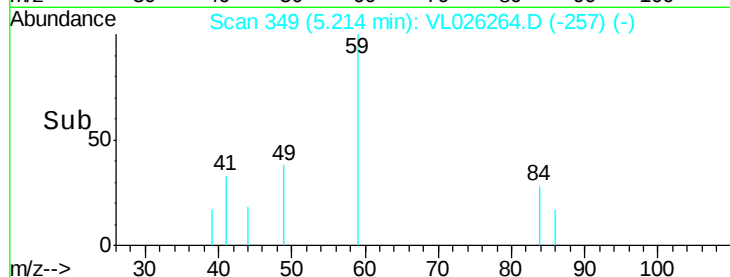
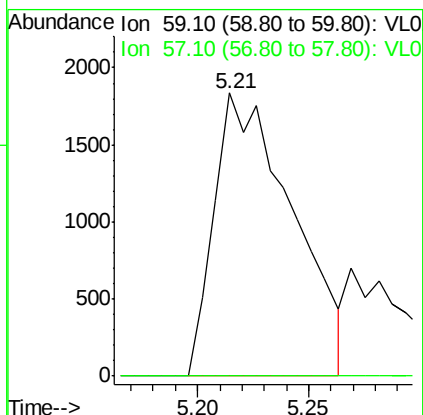
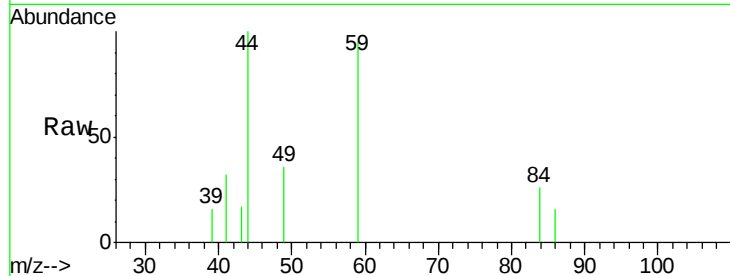




#17
 tert-Butyl alcohol
 Concen: 0.08 ppbv
 RT: 5.21 min Scan# 349
 Delta R.T. 0.06 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

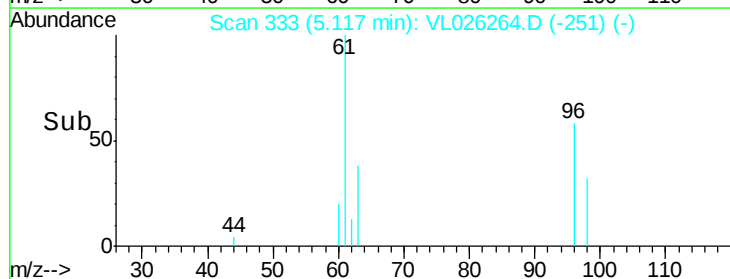
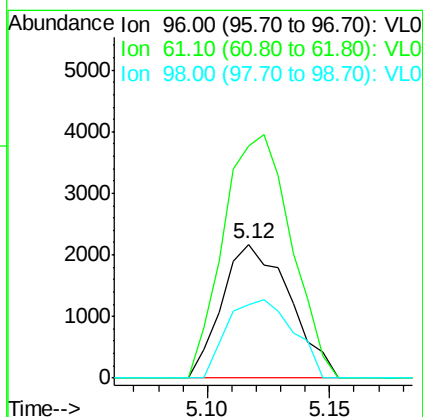
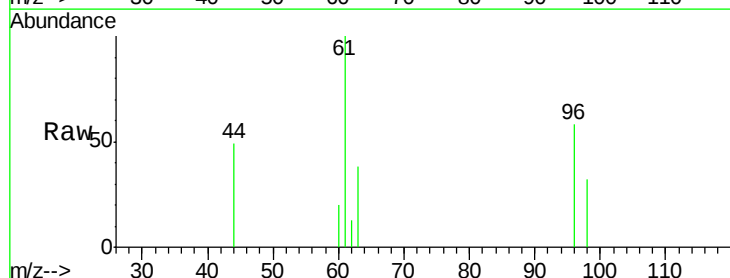
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

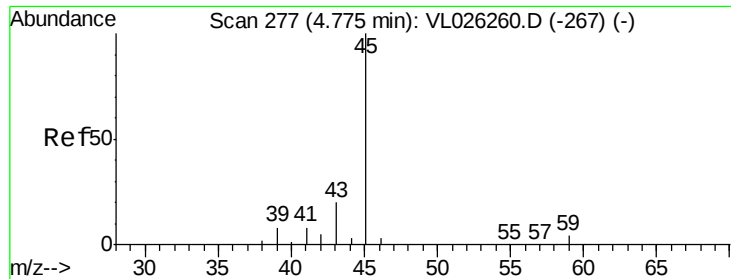
Tot Ion: 59 Resp: 4491
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#



#18
 1,1-Dichloroethene
 Concen: 0.12 ppbv
 RT: 5.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion: 96 Resp: 4182
 Ion Ratio Lower Upper
 96 100
 61 173.3 147.0 220.4
 98 55.0 50.1 75.1





#19

Isopropyl Alcohol

Concen: 0.10 ppbv

RT: 4.84 min Scan# 288

Delta R.T. 0.07 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

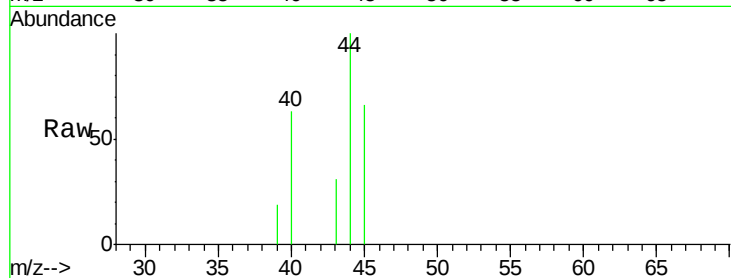
VSTDIC0.1

Tot Ion: 45 Resp: 3262

Ion Ratio Lower Upper

45 100

58 335.8 43.8 65.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.84

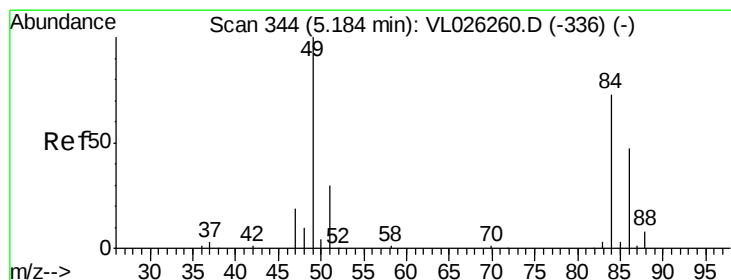
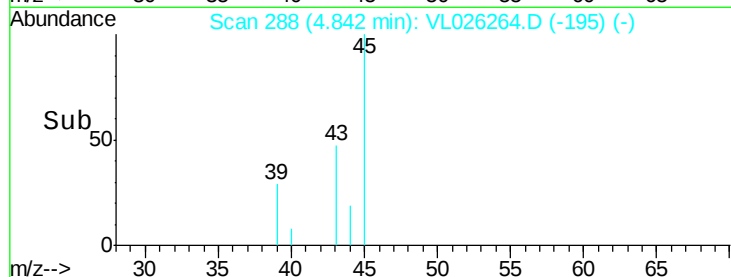
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 0.17 ppbv

RT: 5.18 min Scan# 344

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Tgt Ion: 84 Resp: 5818

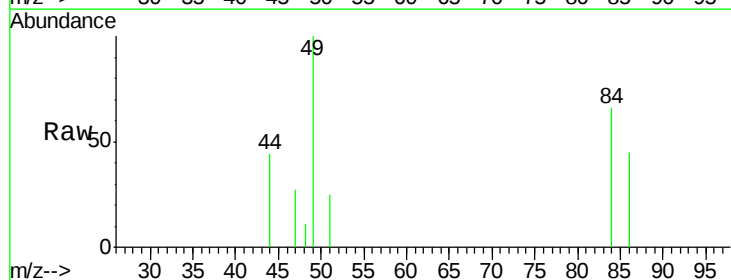
Ion Ratio Lower Upper

84 100

49 151.0 109.0 163.4

51 37.0 32.8 49.2

86 68.2 50.8 76.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

6000

5000

4000

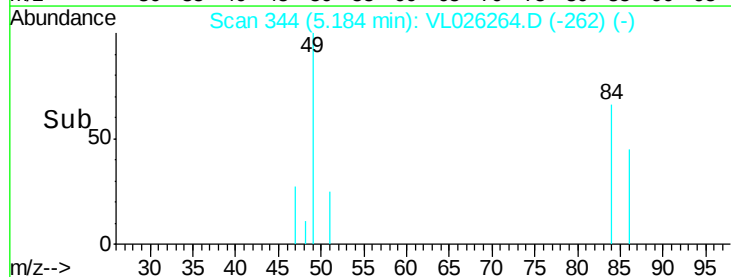
3000

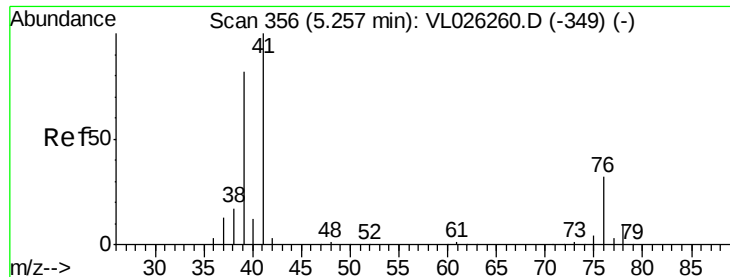
2000

1000

0

Time-->

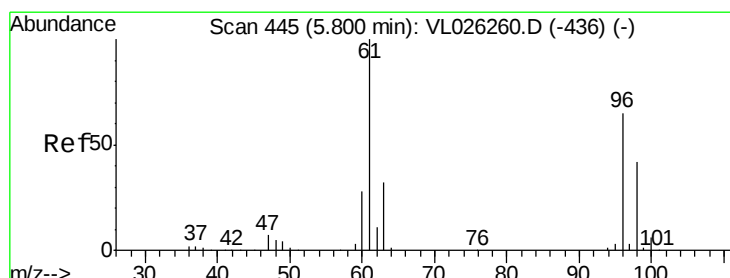
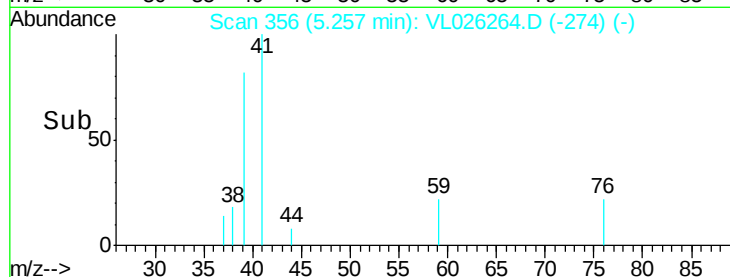
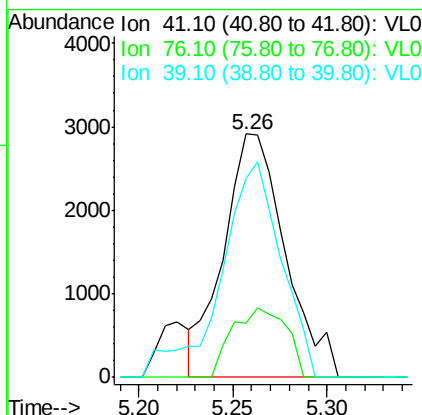
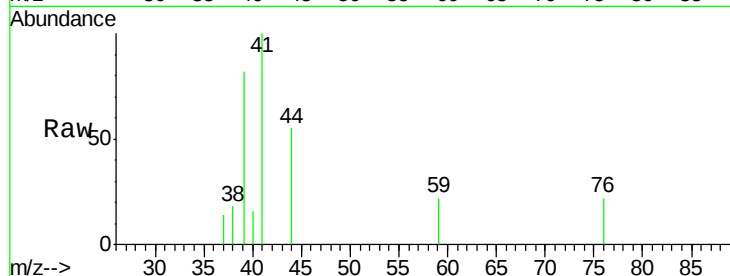




#21
Allvl Chloride
Concen: 0.12 ppbv
RT: 5.26 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

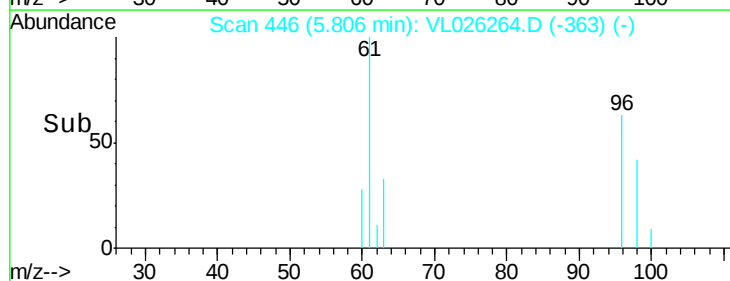
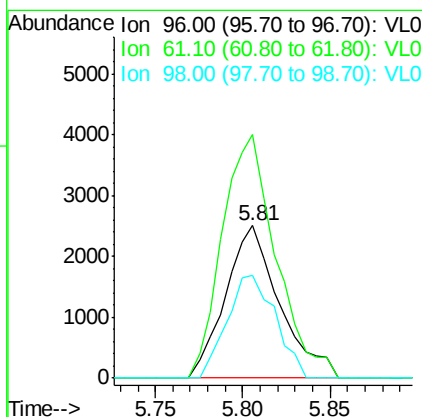
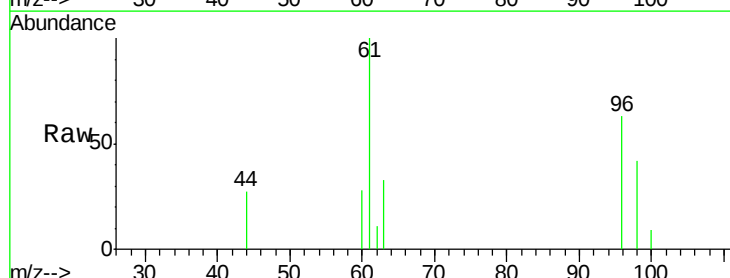
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

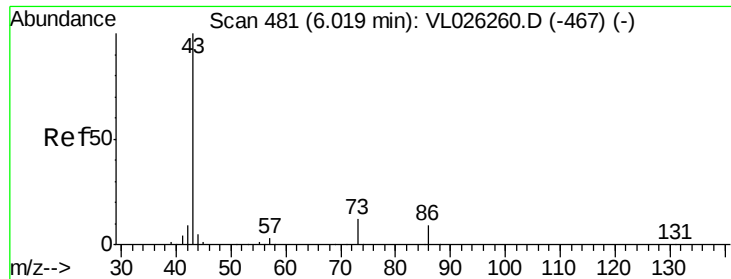
Tot Ion: 41 Resp: 6631
Ion Ratio Lower Upper
41 100
76 24.9 25.9 38.9#
39 86.3 65.8 98.6



#22
trans-1,2-Dichloroethene
Concen: 0.11 ppbv
RT: 5.81 min Scan# 446
Delta R.T. 0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion: 96 Resp: 5397
Ion Ratio Lower Upper
96 100
61 159.7 123.2 184.8
98 67.6 51.4 77.0





#23

Vinyl Acetate

Concen: 0.10 ppbv

RT: 6.04 min Scan# 484

Delta R.T. 0.02 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 43 Resp: 15644

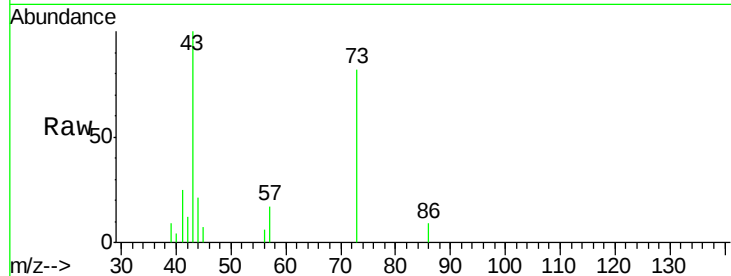
Ion Ratio Lower Upper

43 100

86 8.8 7.3 10.9

42 11.8 7.2 10.8#

44 6.3 3.8 5.8#

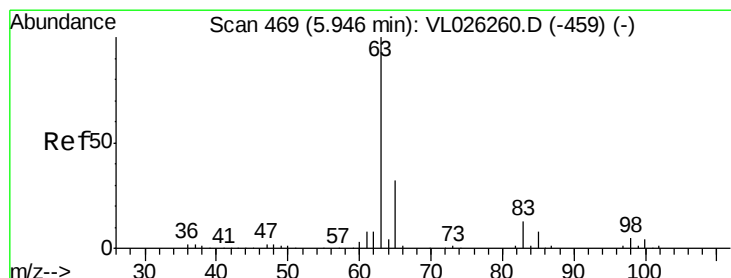
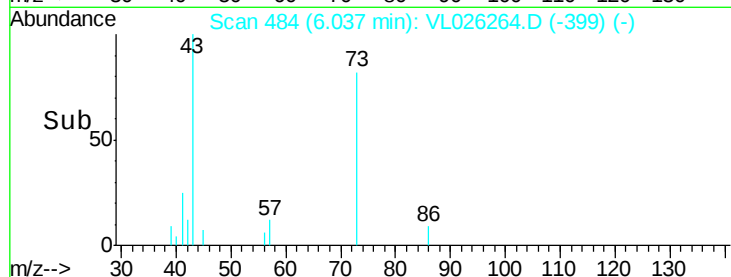
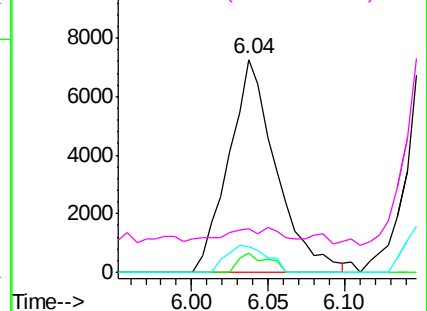


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.12 ppbv

RT: 5.95 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

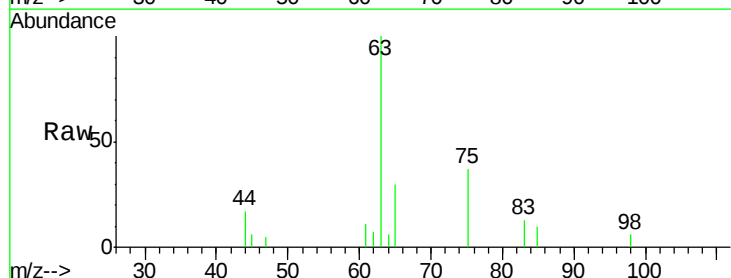
Tgt Ion: 63 Resp: 12055

Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

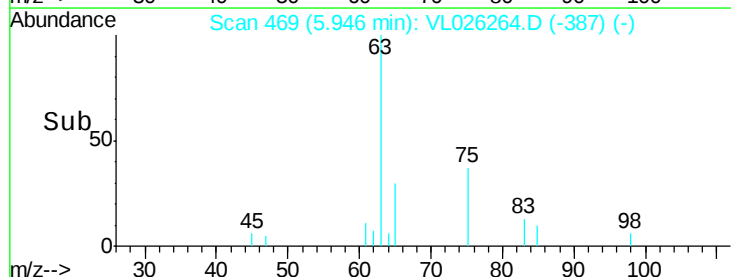
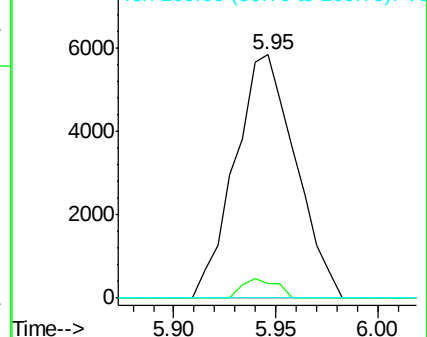
100 0.0 1.9 5.7#

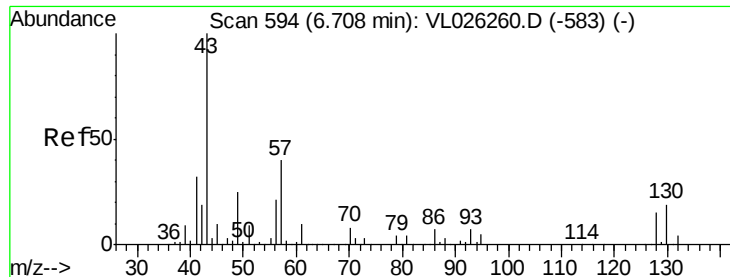


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.08 ppbv

RT: 6.74 min Scan# 599

Delta R.T. 0.03 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 43 Resp: 12416

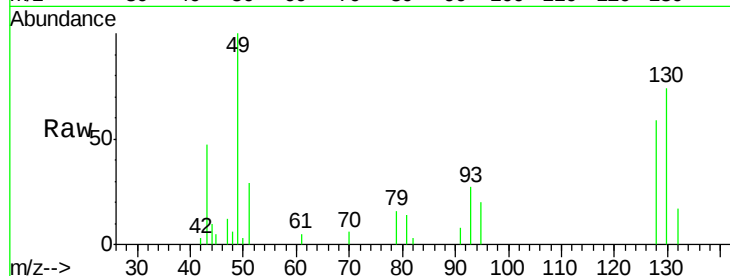
Ion Ratio Lower Upper

43 100

45 12.5 7.6 11.4#

61 12.0 7.4 11.2#

70 9.7 6.7 10.1

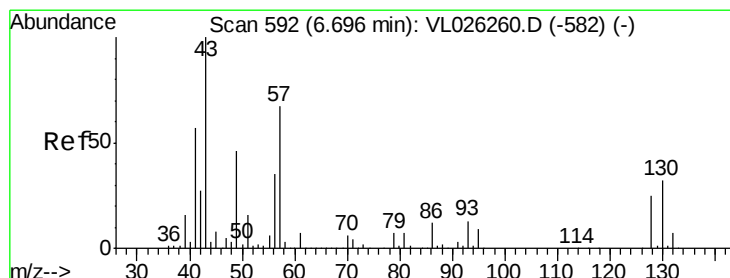
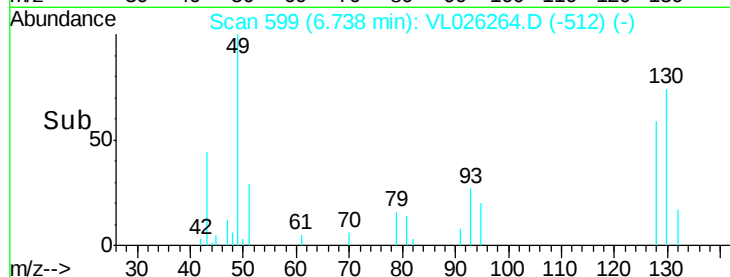
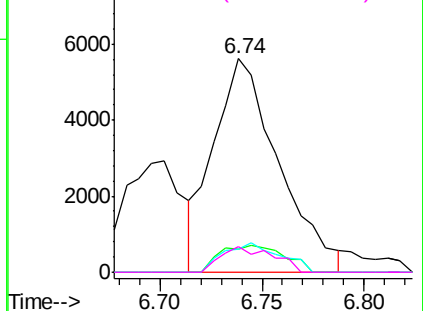


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.12 ppbv

RT: 6.70 min Scan# 592

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Tgt Ion: 57 Resp: 9614

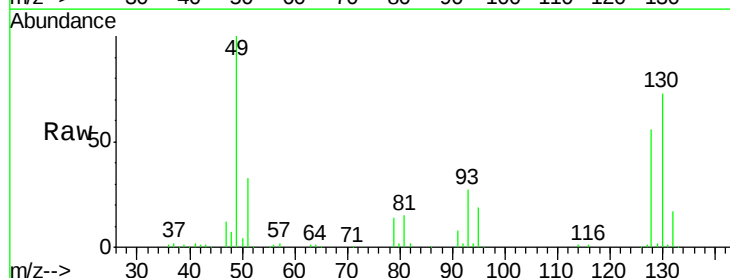
Ion Ratio Lower Upper

57 100

41 81.9 67.4 101.2

43 198.6 163.9 245.9

56 50.6 42.2 63.2

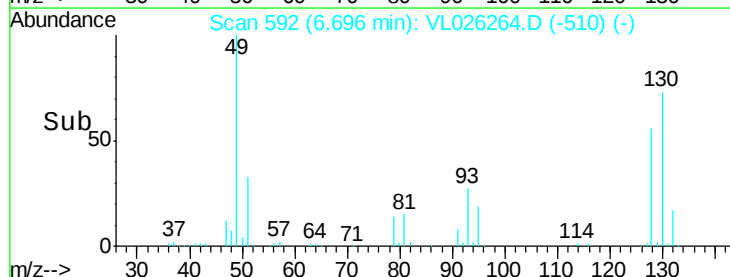
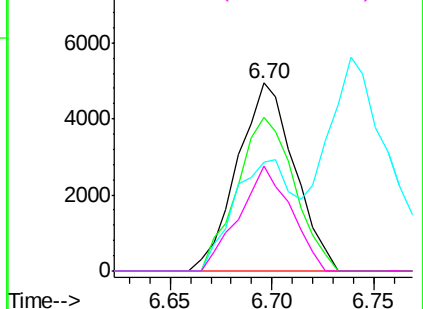


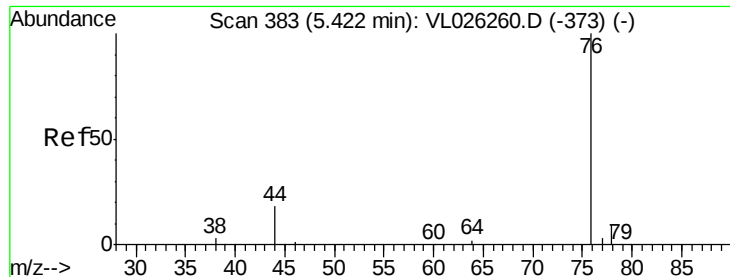
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

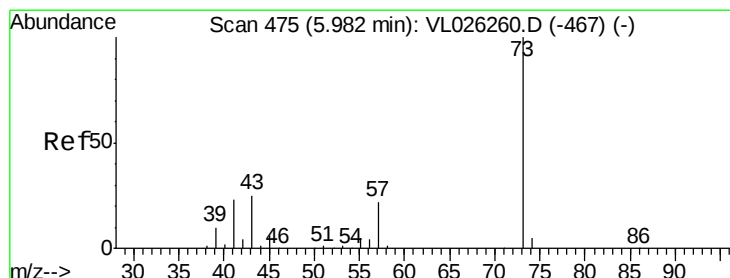
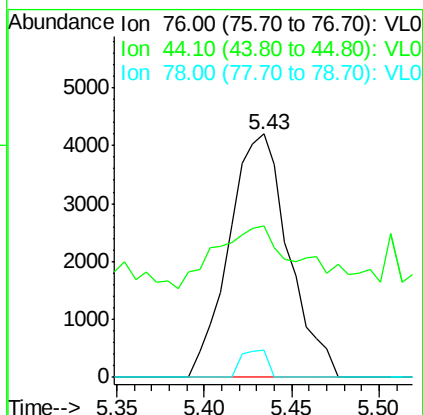
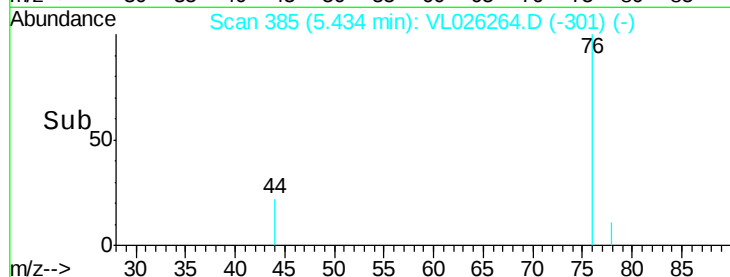
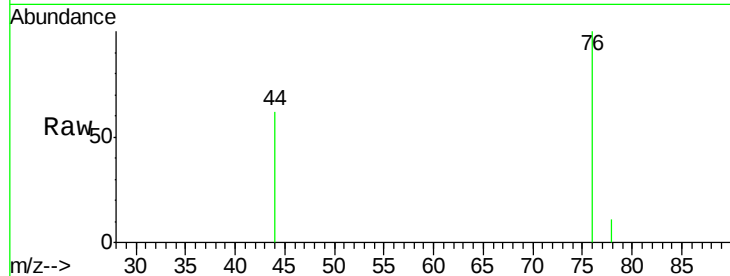




#27
Carbon Disulfide
Concen: 0.10 ppbv
RT: 5.43 min Scan# 385
Delta R.T. 0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

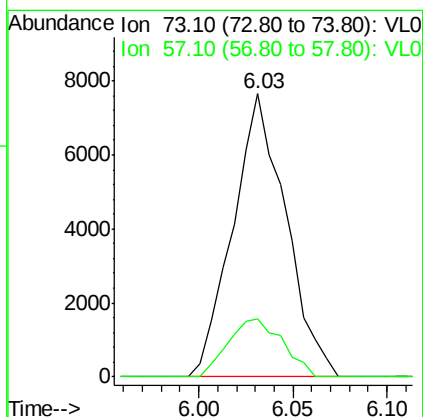
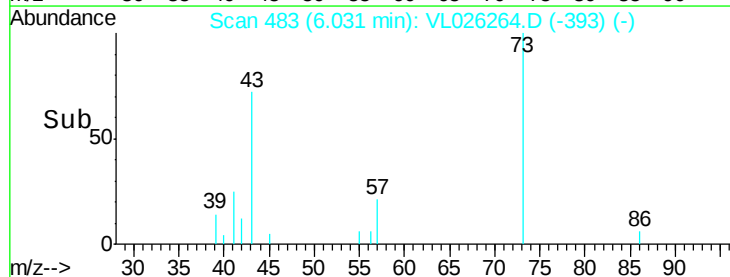
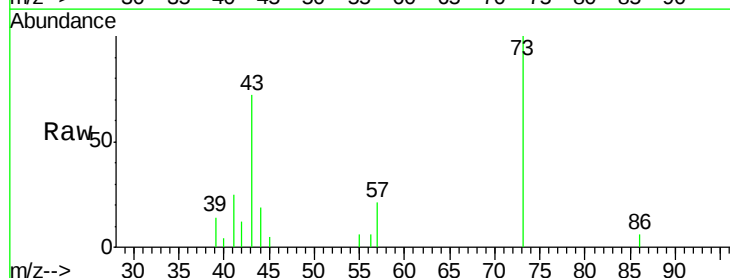
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

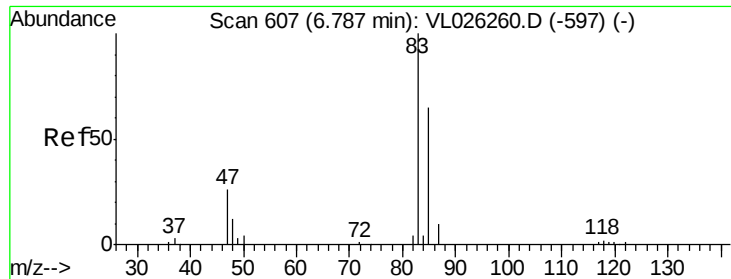
Tot Ion: 76 Resp: 9944
Ion Ratio Lower Upper
76 100
44 26.0 14.1 21.1#
78 4.9 7.4 11.0#



#28
Methyl tert-Butyl Ether
Concen: 0.11 ppbv
RT: 6.03 min Scan# 483
Delta R.T. 0.05 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion: 73 Resp: 14924
Ion Ratio Lower Upper
73 100
57 21.0 17.8 26.6

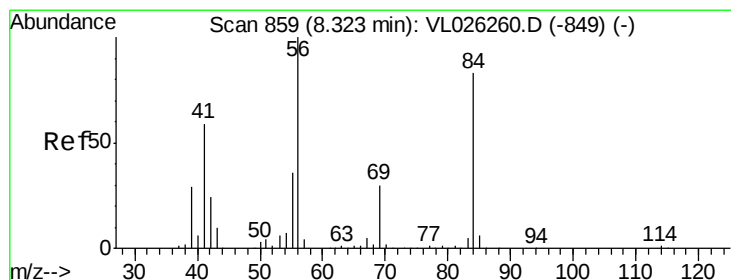
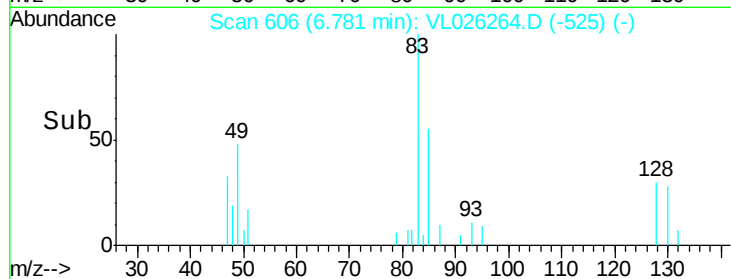
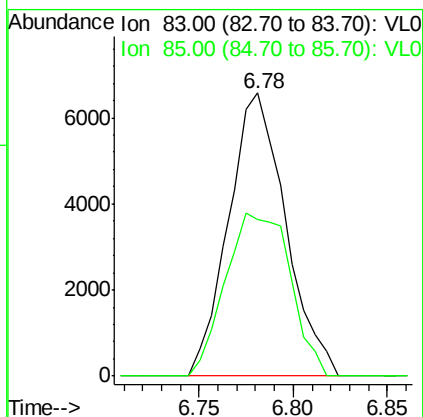
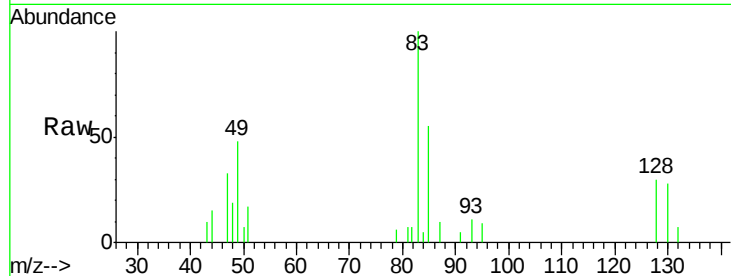




#29
Chloroform
Concen: 0.12 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

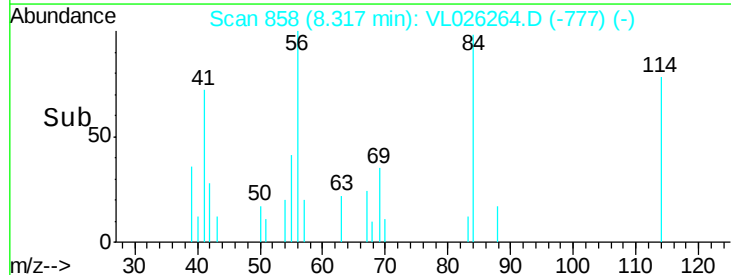
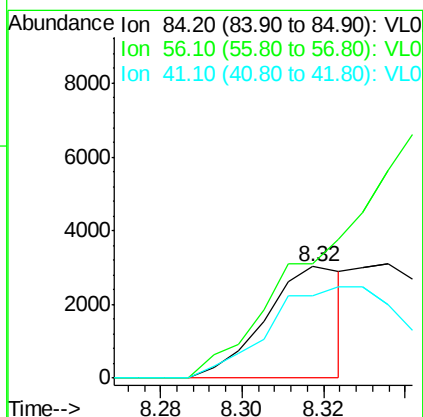
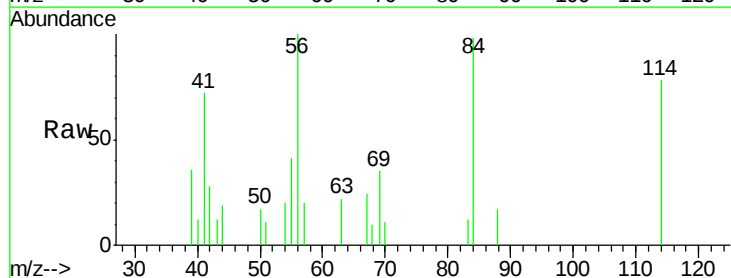
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

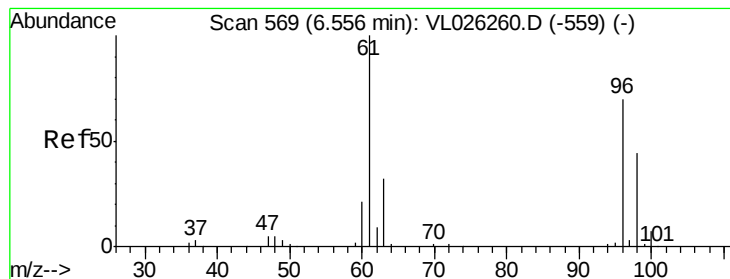
Tot Ion: 83 Resp: 13821
Ion Ratio Lower Upper
83 100
85 55.4 52.0 78.0



#30
Cyclohexane
Concen: 0.05 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion: 84 Resp: 4066
Ion Ratio Lower Upper
84 100
56 0.0 99.6 149.4#
41 144.6 56.7 85.1#





#31

cis-1,2-Dichloroethene

Concen: 0.10 ppbv

RT: 6.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

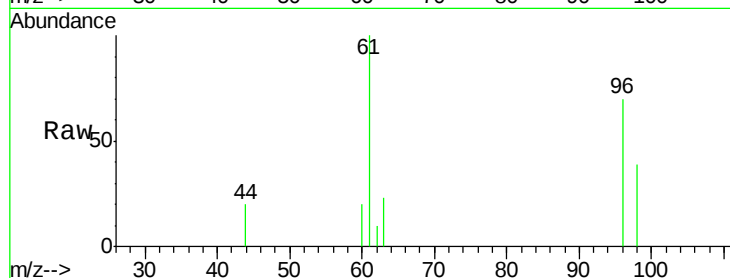
Tot Ion: 61 Resp: 7470

Ion Ratio Lower Upper

61 100

96 69.8 56.2 84.4

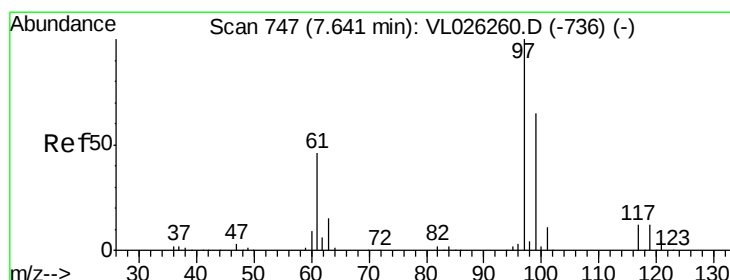
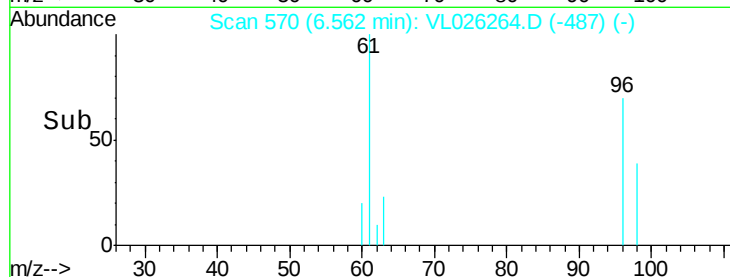
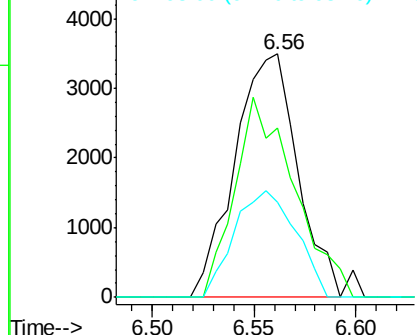
98 38.9 35.4 53.2



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.11 ppbv

RT: 7.63 min Scan# 746

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

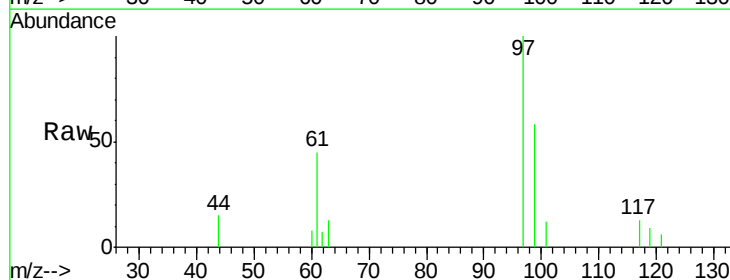
Tgt Ion: 97 Resp: 13140

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

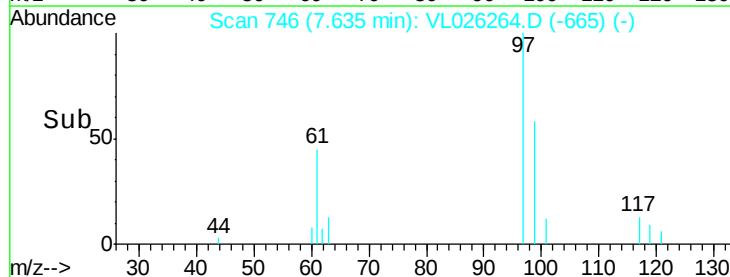
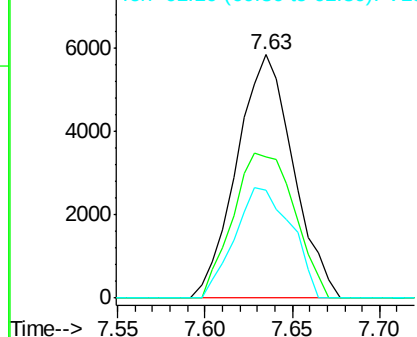
61 45.3 37.1 55.7

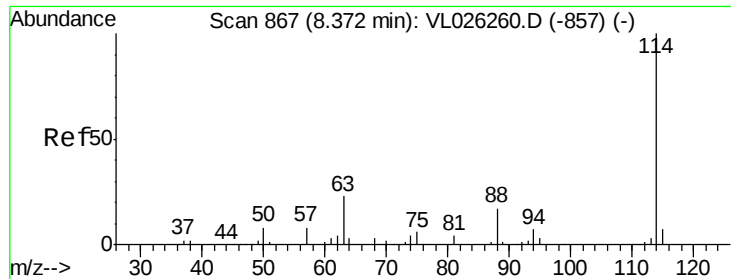


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

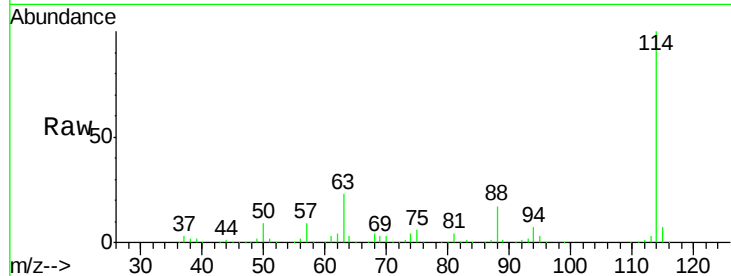




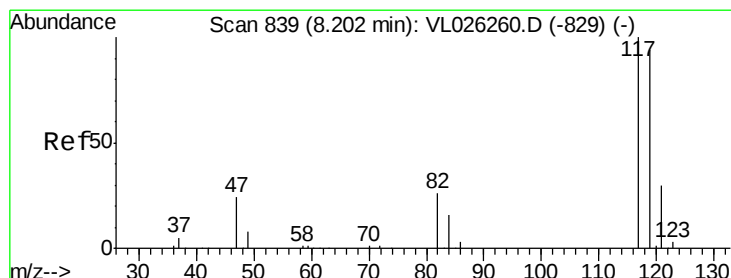
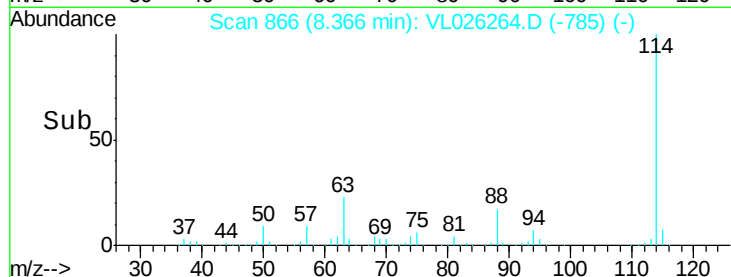
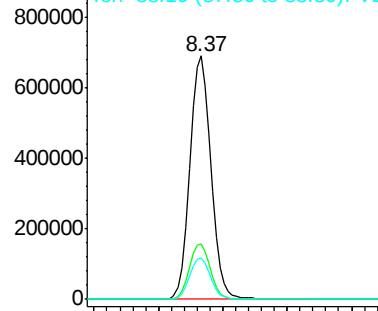
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion:114 Resp: 1607167
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.6 28.0
 88 16.9 13.4 20.2

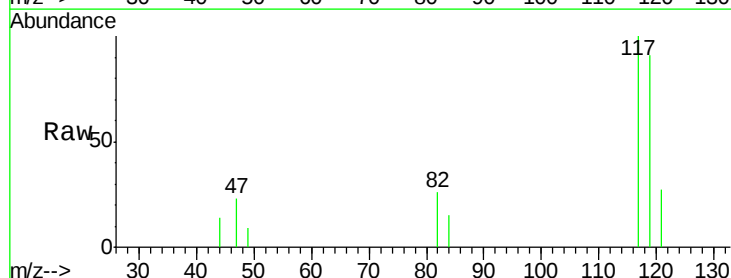


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

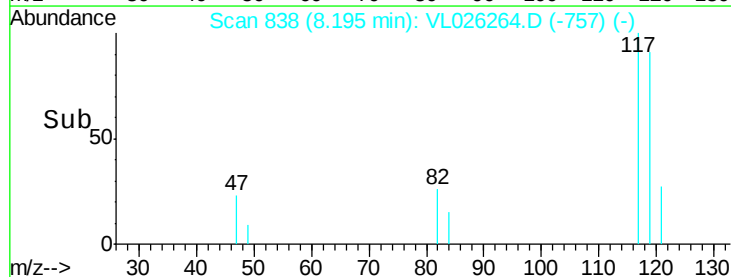
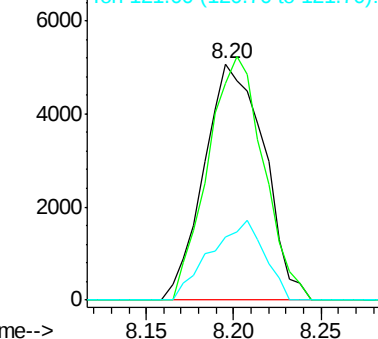


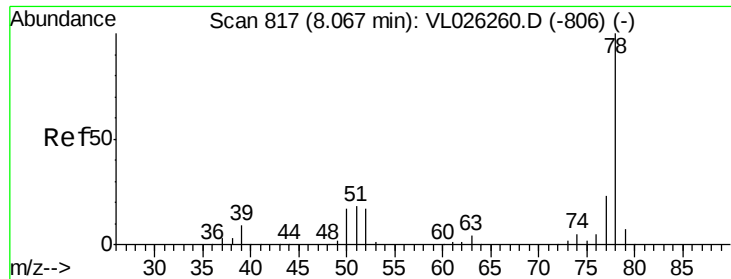
#35
 Carbon Tetrachloride
 Concen: 0.10 ppbv
 RT: 8.20 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion:117 Resp: 12098
 Ion Ratio Lower Upper
 117 100
 119 91.4 75.2 112.8
 121 26.8 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: 0.12 ppbv

RT: 8.06 min Scan# 816

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

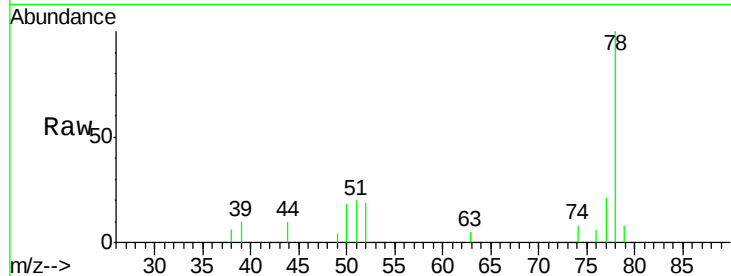
Tot Ion: 78 Resp: 19958

Ion Ratio Lower Upper

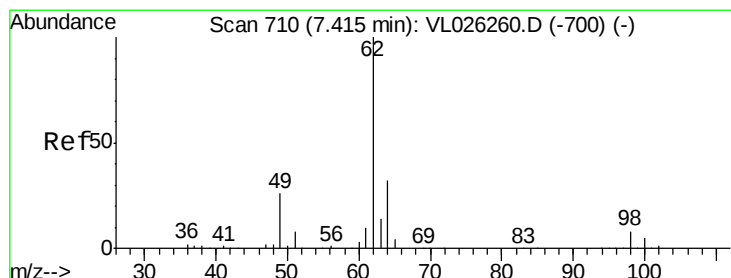
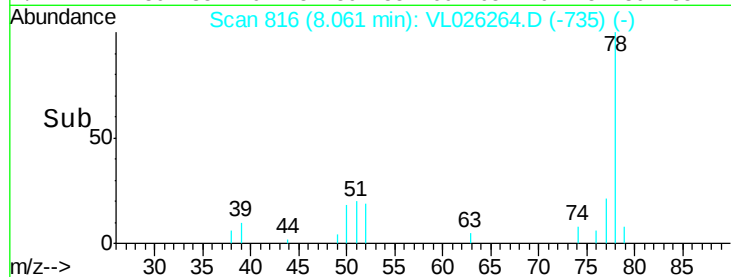
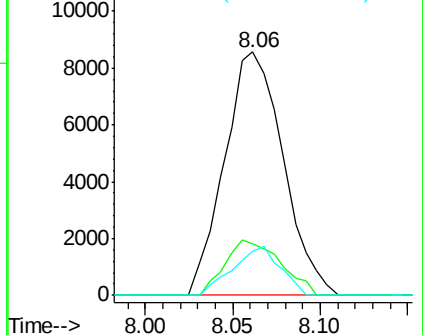
78 100

77 21.3 18.0 27.0

50 18.2 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: 0.12 ppbv

RT: 7.42 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL026264.D

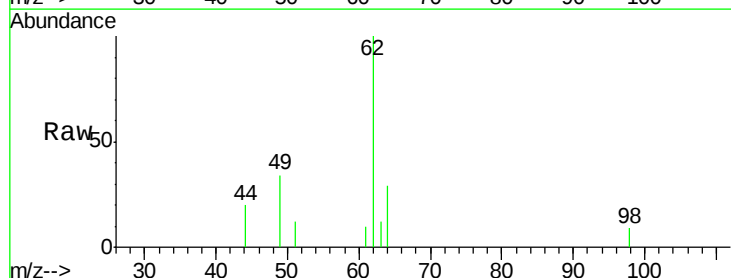
Acq: 29 Oct 2015 11:57

Tgt Ion: 62 Resp: 10738

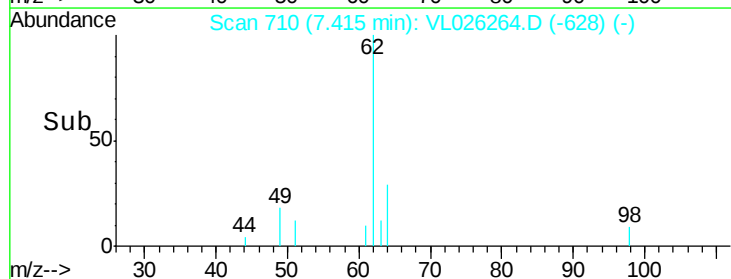
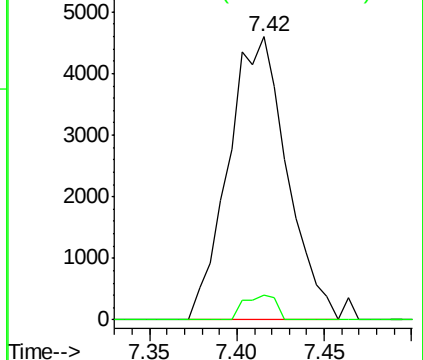
Ion Ratio Lower Upper

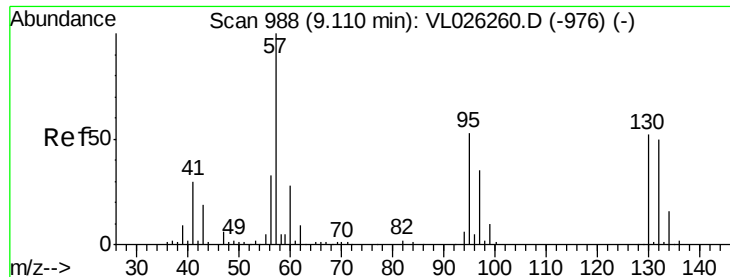
62 100

98 4.8 6.3 9.5#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0

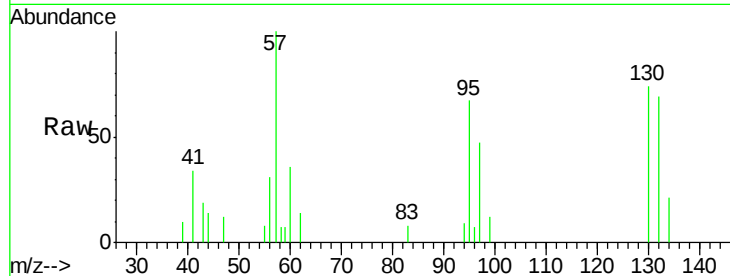




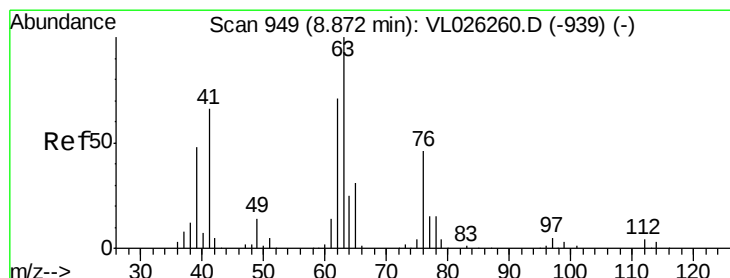
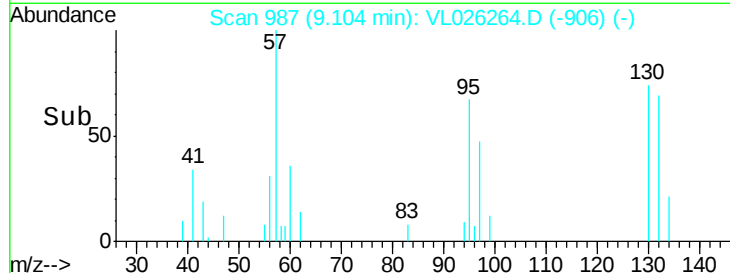
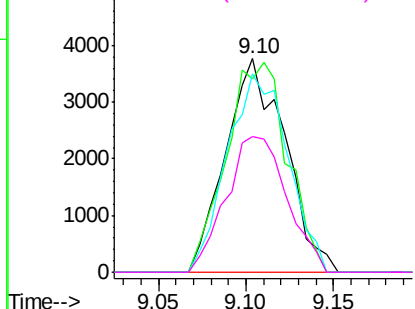
#38
 Trichloroethene
 Concen: 0.11 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion:130 Resp: 8912
 Ion Ratio Lower Upper
 130 100
 95 90.8 80.8 121.2
 132 92.8 76.2 114.2
 97 63.3 53.0 79.6

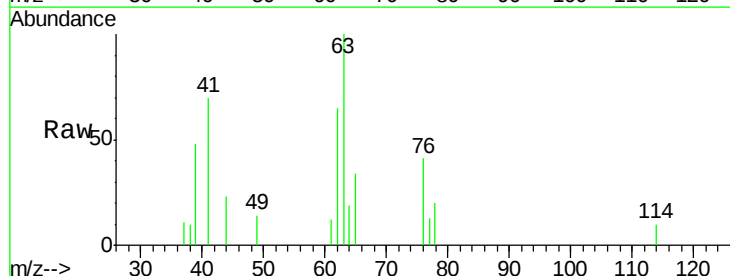


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

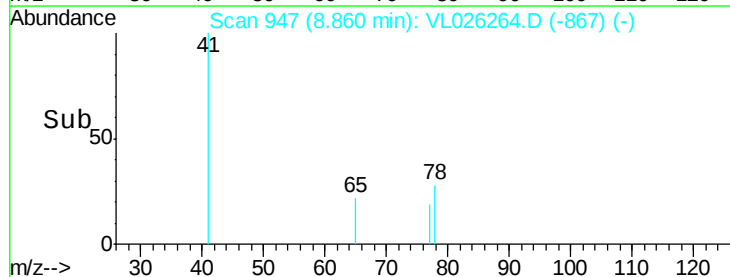
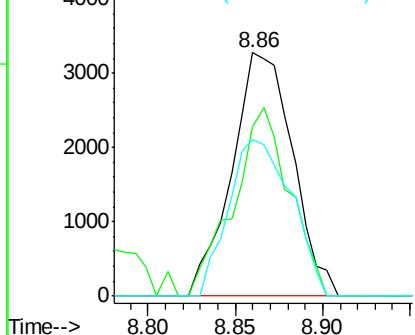


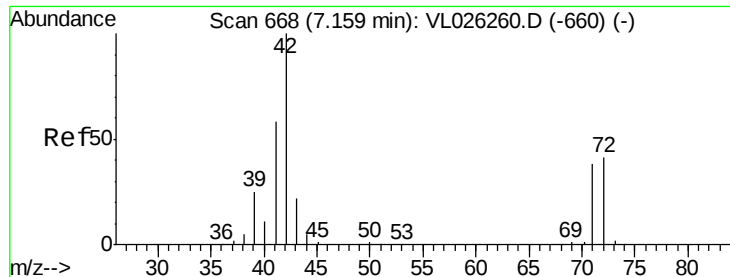
#39
 1,2-Dichloropropane
 Concen: 0.13 ppbv
 RT: 8.86 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion: 63 Resp: 7929
 Ion Ratio Lower Upper
 63 100
 41 69.6 53.2 79.8
 62 64.5 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





#41

Tetrahydrofuran

Concen: 0.10 ppbv

RT: 7.23 min Scan# 679

Delta R.T. 0.07 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

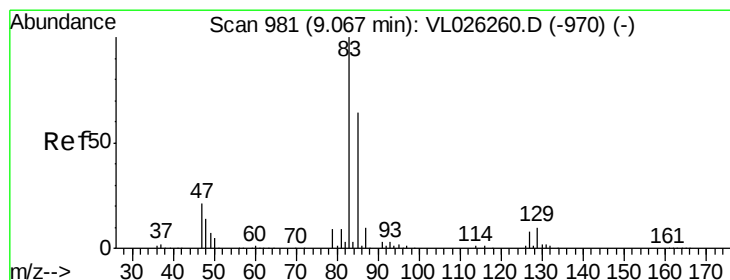
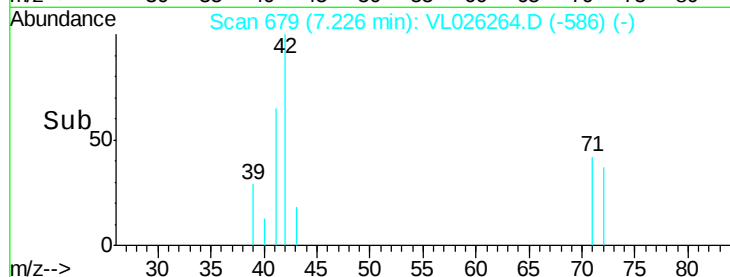
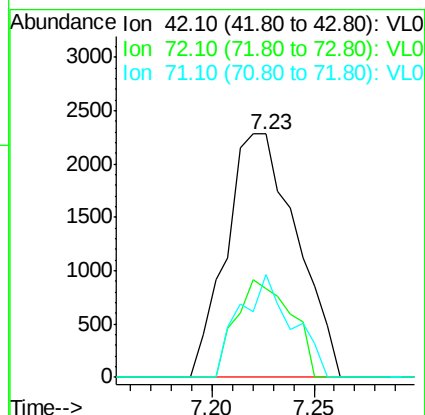
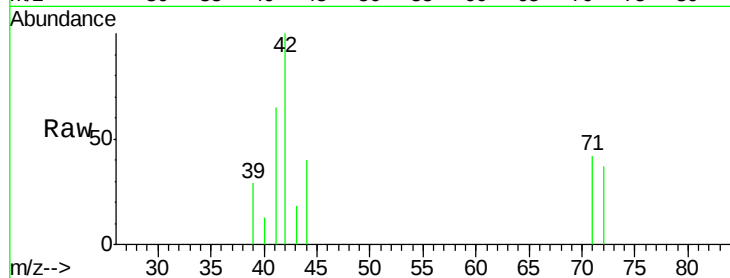
Tot Ion: 42 Resp: 5467

Ion Ratio Lower Upper

42 100

72 31.4 32.2 48.4#

71 31.5 30.4 45.6



#42

Bromodichloromethane

Concen: 0.10 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

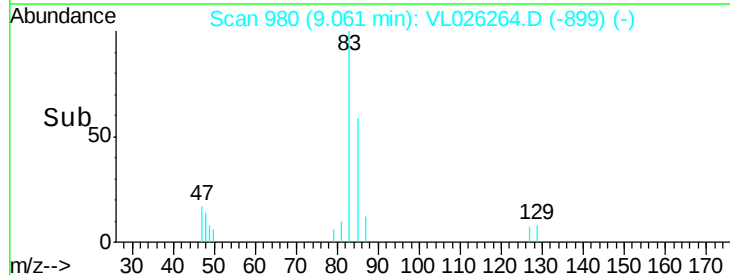
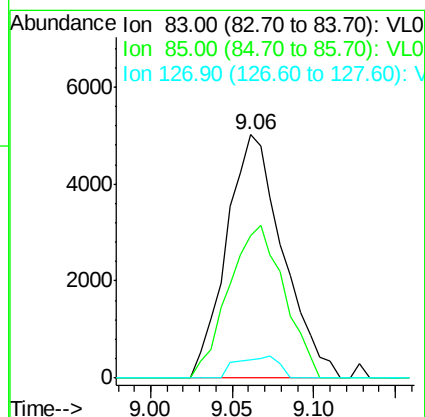
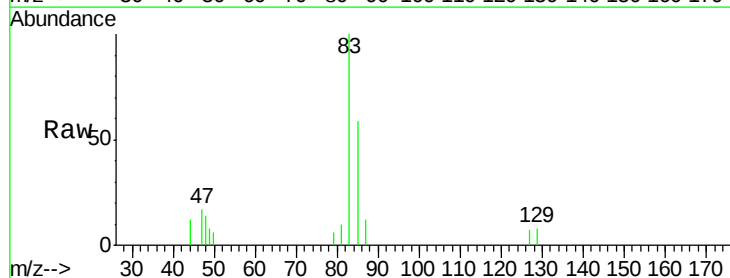
Tgt Ion: 83 Resp: 12029

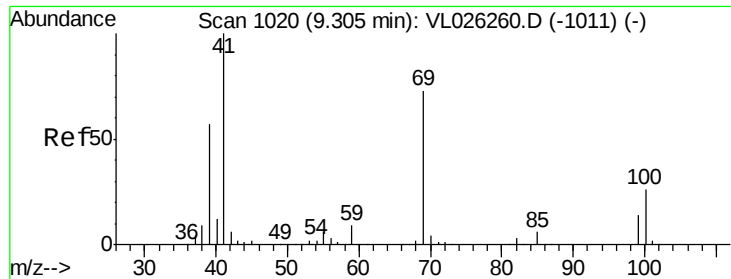
Ion Ratio Lower Upper

83 100

85 58.7 51.2 76.8

127 7.4 6.2 9.4

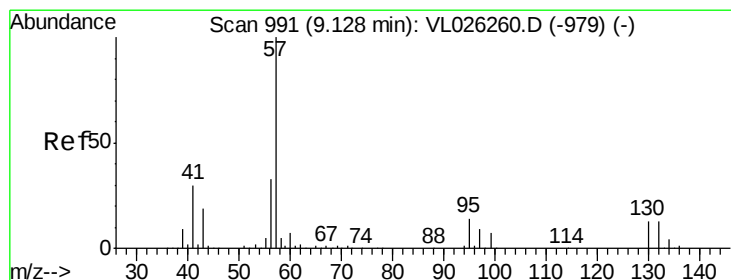
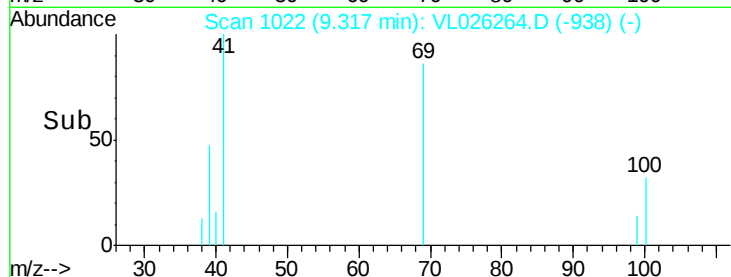
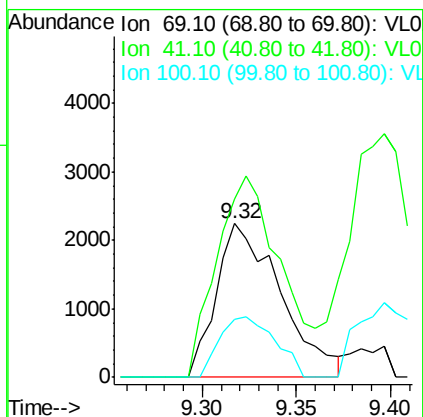
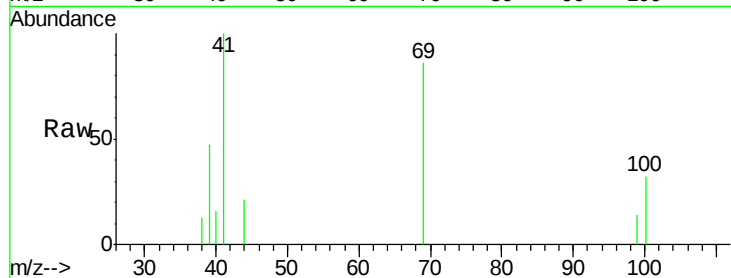




#43
Methvl Methacrvlate
Concen: 0.09 ppbv
RT: 9.32 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

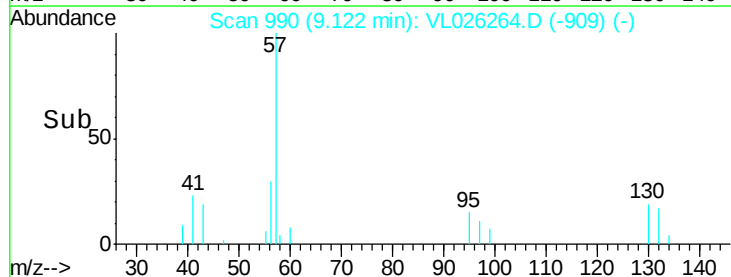
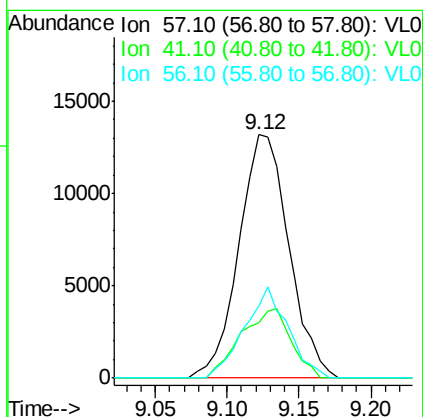
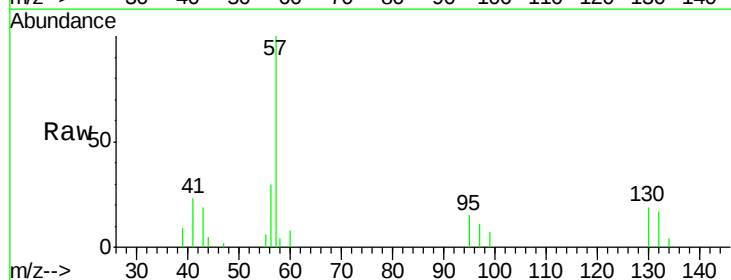
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

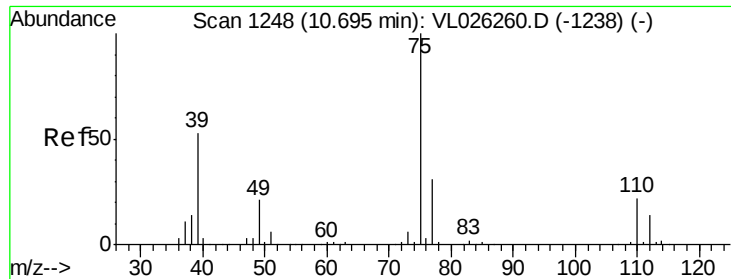
Tot Ion: 69 Resp: 5320
Ion Ratio Lower Upper
69 100
41 136.2 110.0 165.0
100 33.6 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 0.11 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion: 57 Resp: 31702
Ion Ratio Lower Upper
57 100
41 28.7 23.1 34.7
56 32.8 26.3 39.5

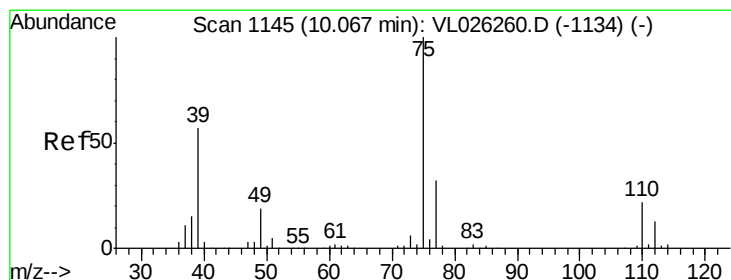
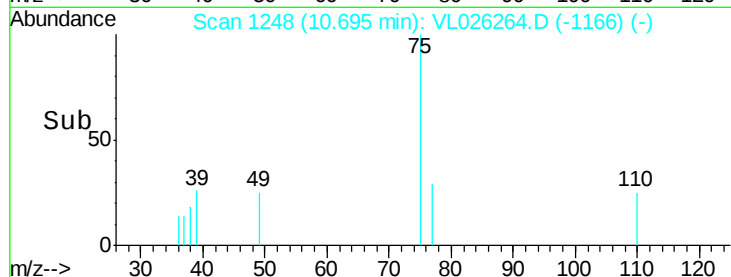
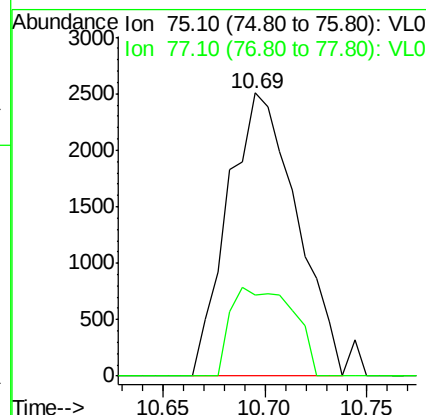
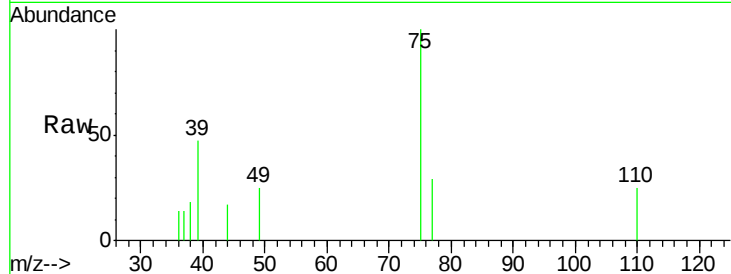




#45
 t-1,3-Dichloropropene
 Concen: 0.07 ppbv
 RT: 10.69 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

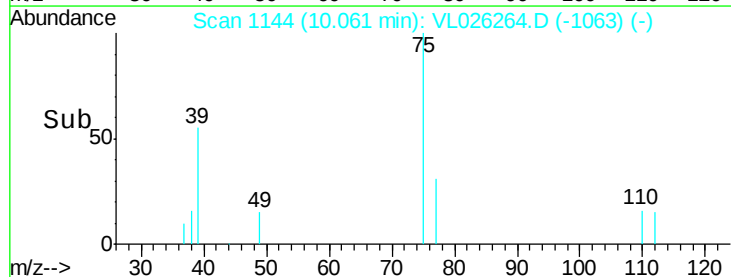
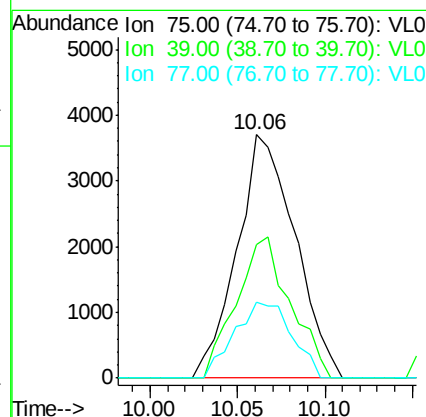
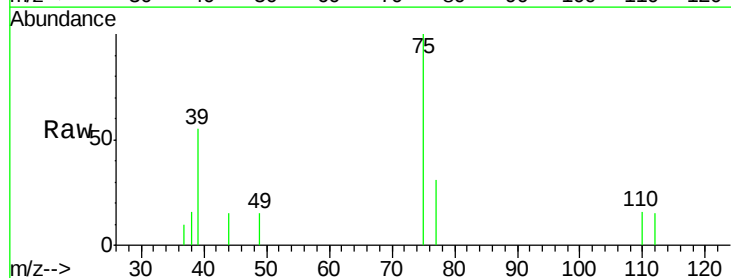
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

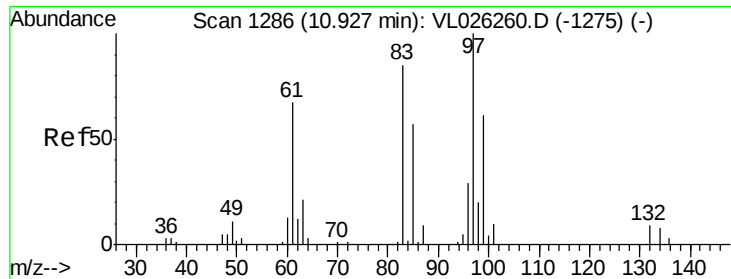
Tot Ion: 75 Resp: 5885
 Ion Ratio Lower Upper
 75 100
 77 28.7 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 0.08 ppbv
 RT: 10.06 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion: 75 Resp: 8584
 Ion Ratio Lower Upper
 75 100
 39 55.0 45.8 68.8
 77 31.4 25.3 37.9

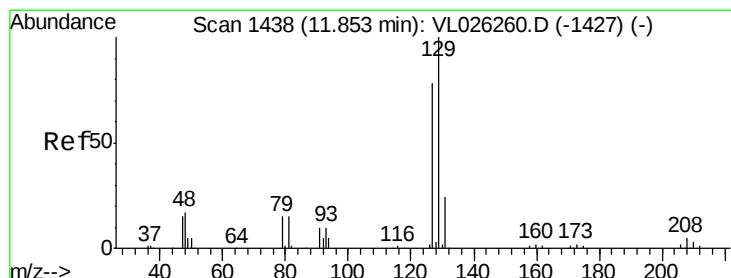
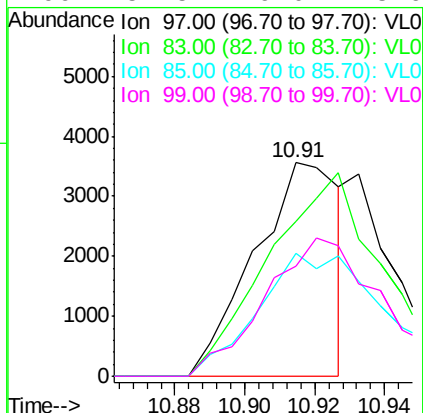
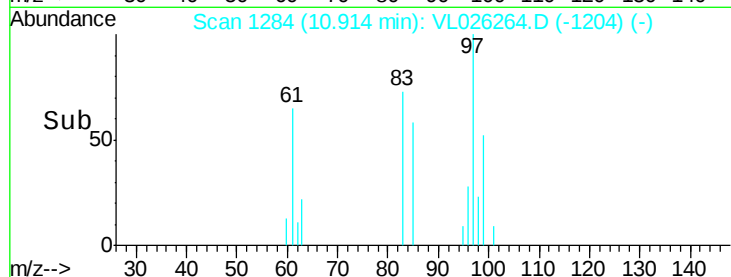
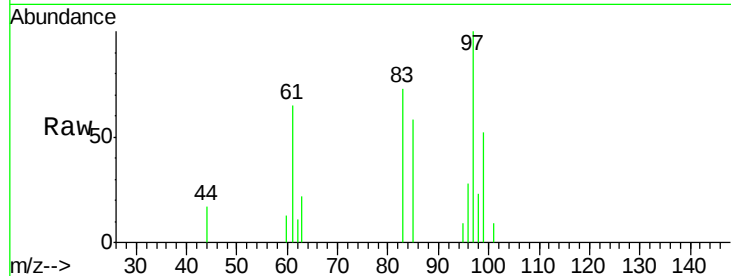




#47
 1,1,2-Trichloroethane
 Concen: 0.08 ppbv
 RT: 10.91 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

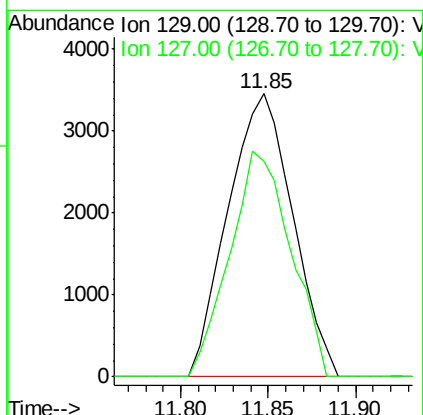
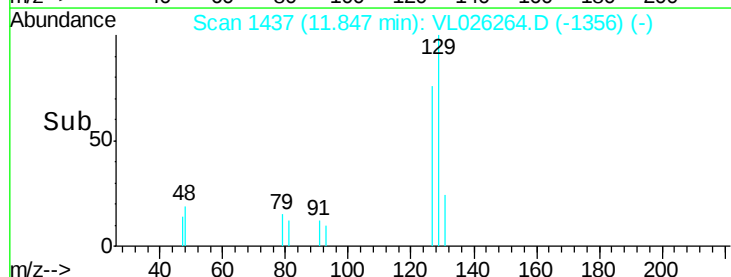
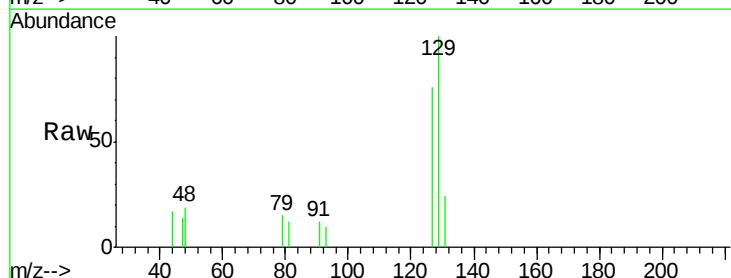
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

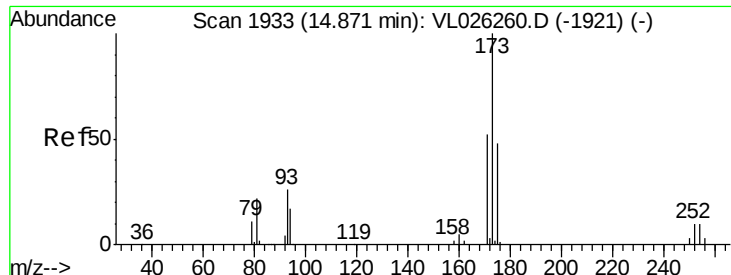
Tot Ion: 97 Resp: 6056
 Ion Ratio Lower Upper
 97 100
 83 72.7 67.9 101.9
 85 57.8 45.2 67.8
 99 51.5 49.0 73.6



#48
 Dibromochloromethane
 Concen: 0.08 ppbv
 RT: 11.85 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion: 129 Resp: 8900
 Ion Ratio Lower Upper
 129 100
 127 75.1 39.1 117.2





#49

Bromoform

Concen: 0.07 ppbv

RT: 14.85 min Scan# 1930

Delta R.T. -0.02 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

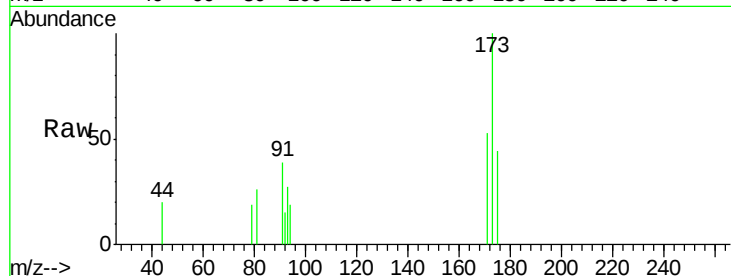
Tot Ion:173 Resp: 5744

Ion Ratio Lower Upper

173 100

175 45.6 38.8 58.2

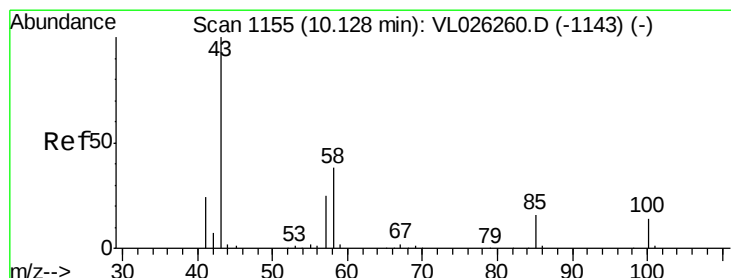
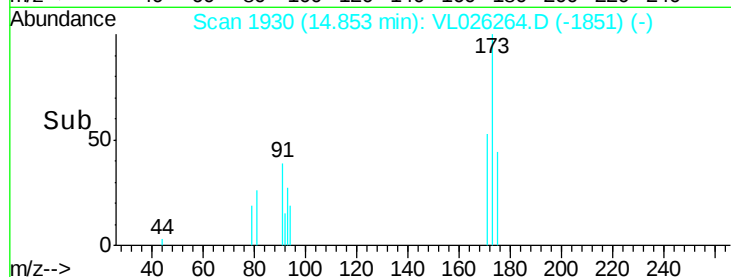
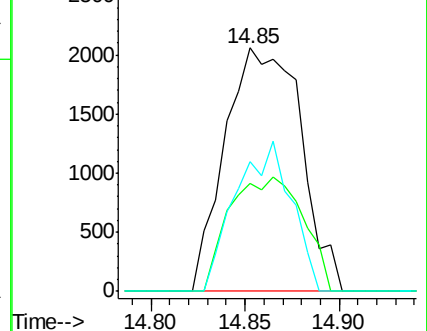
171 45.3 41.7 62.5



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: 0.09 ppbv

RT: 10.17 min Scan# 1162

Delta R.T. 0.04 min

Lab File: VL026264.D

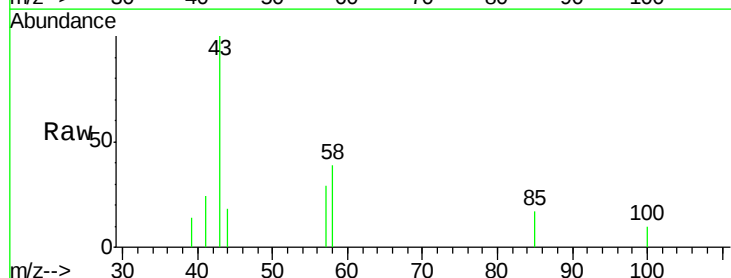
Acq: 29 Oct 2015 11:57

Tgt Ion: 43 Resp: 11709

Ion Ratio Lower Upper

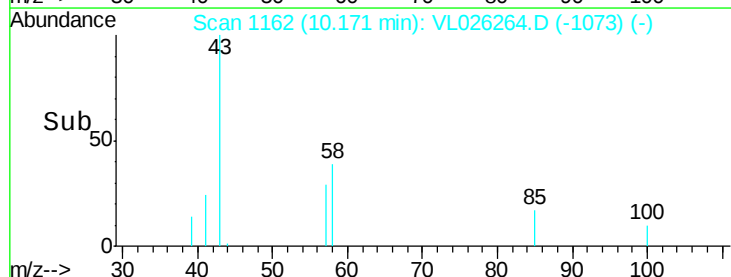
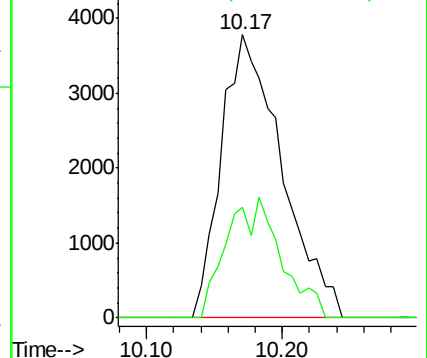
43 100

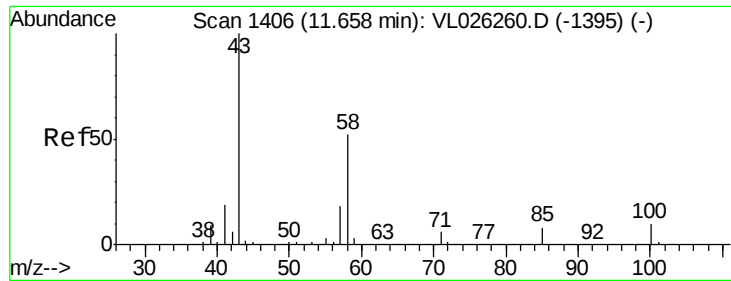
58 38.4 30.5 45.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

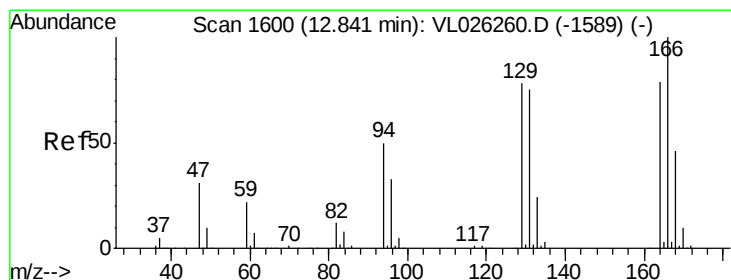
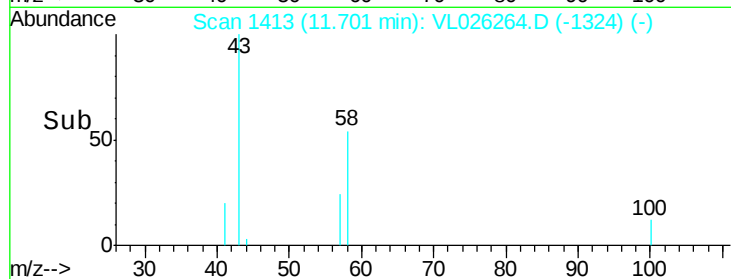
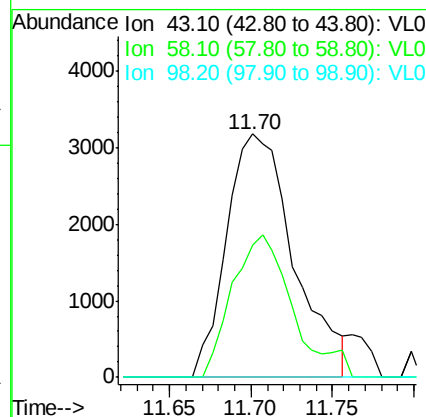
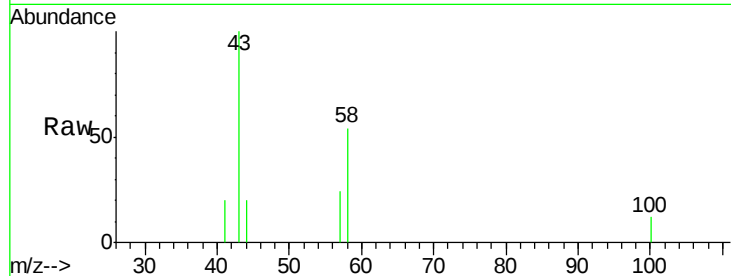




#51
2-Hexanone
Concen: 0.08 ppbv
RT: 11.70 min Scan# 1413
Delta R.T. 0.04 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

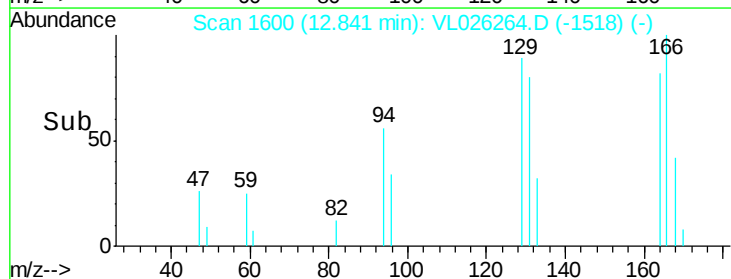
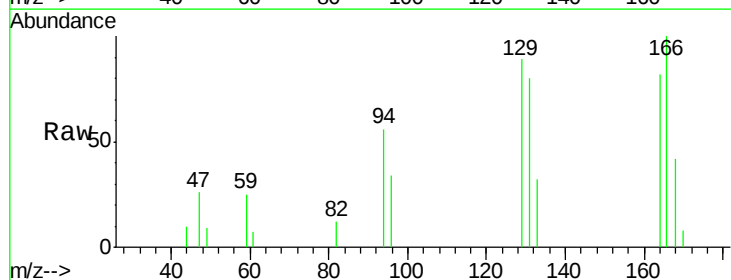
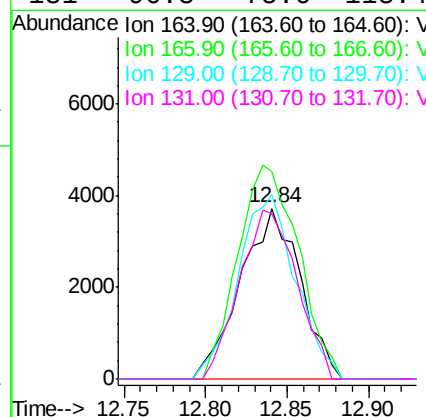
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

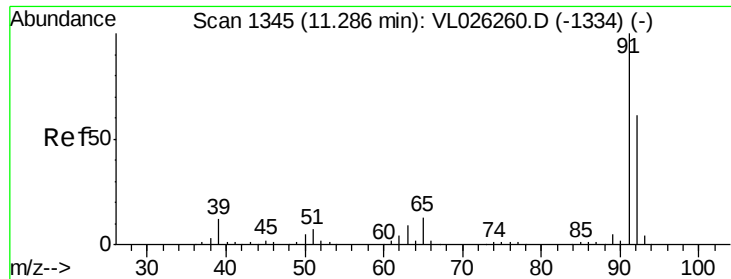
Tot Ion: 43 Resp: 9149
Ion Ratio Lower Upper
43 100
58 52.2 42.7 64.1
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.10 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion: 164 Resp: 9463
Ion Ratio Lower Upper
164 100
166 121.3 101.4 152.0
129 108.3 78.8 118.2
131 96.8 75.6 113.4





#53

Toluene

Concen: 0.11 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

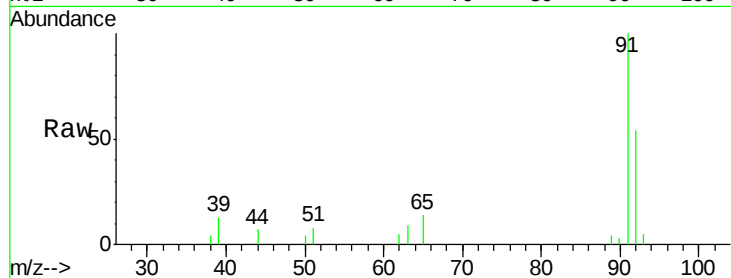
VSTDIC0.1

Tot Ion: 91 Resp: 23992

Ion Ratio Lower Upper

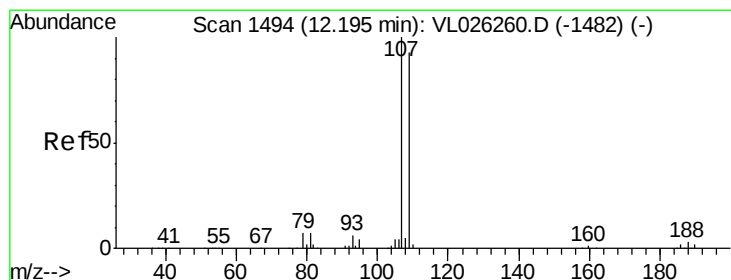
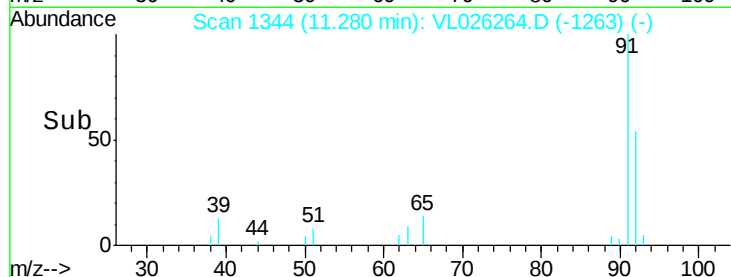
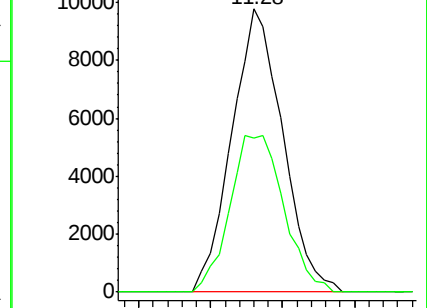
91 100

92 58.8 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: 0.11 ppbv

RT: 12.18 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL026264.D

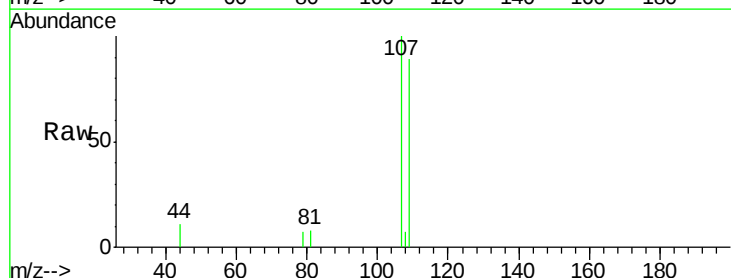
Acq: 29 Oct 2015 11:57

Tgt Ion: 107 Resp: 12143

Ion Ratio Lower Upper

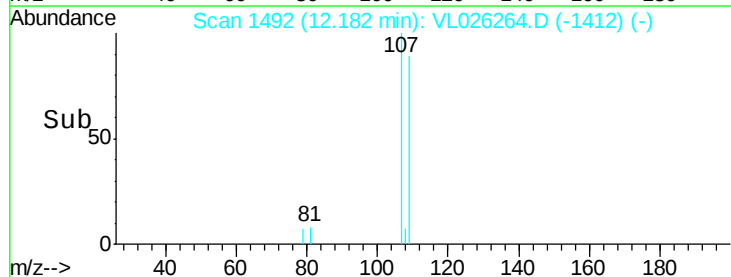
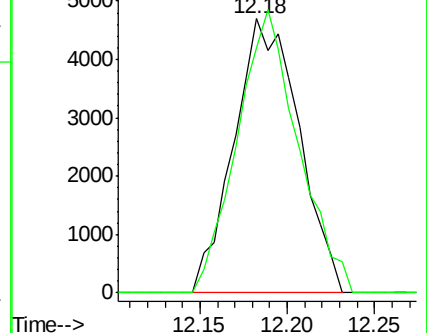
107 100

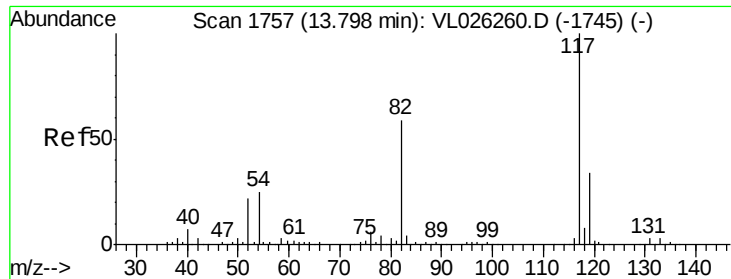
109 89.3 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

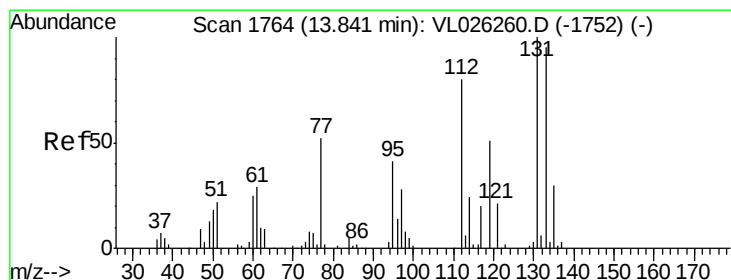
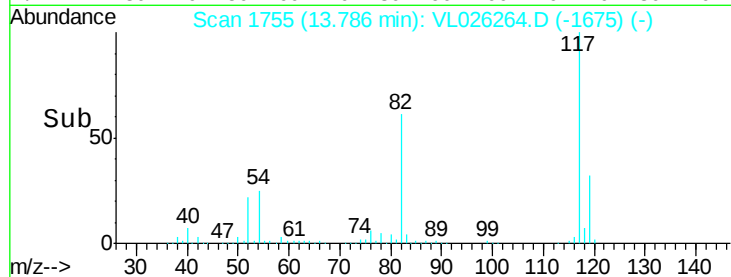
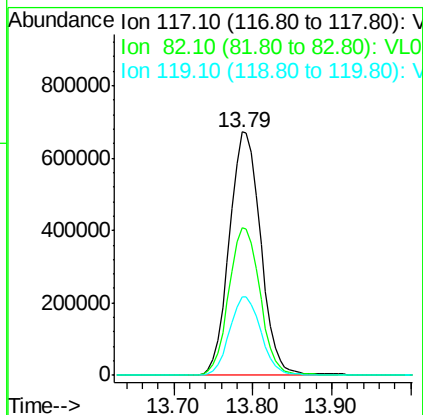
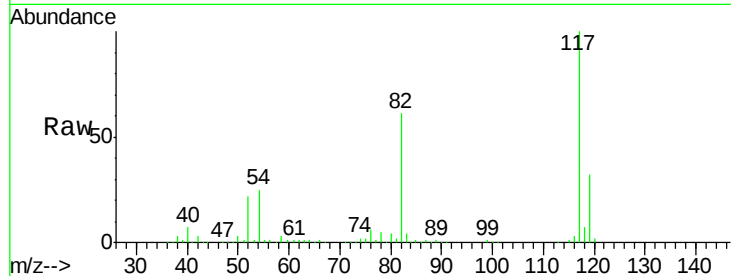




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

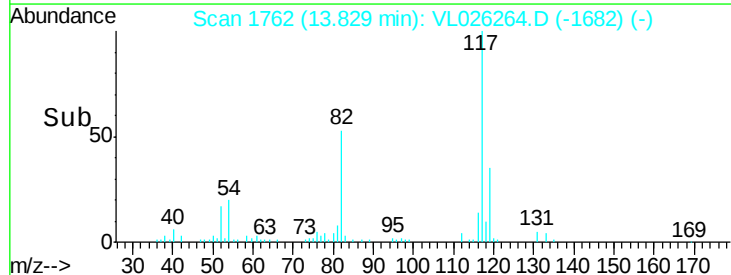
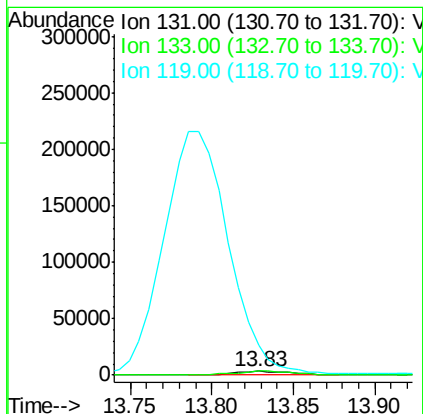
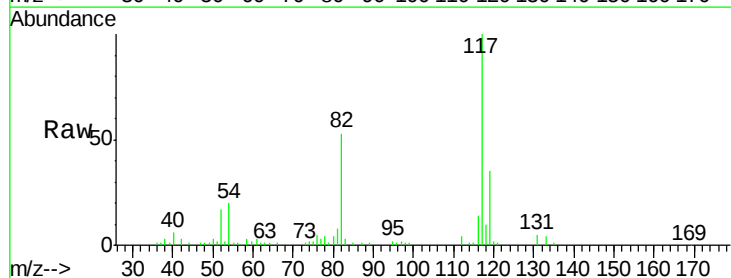
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

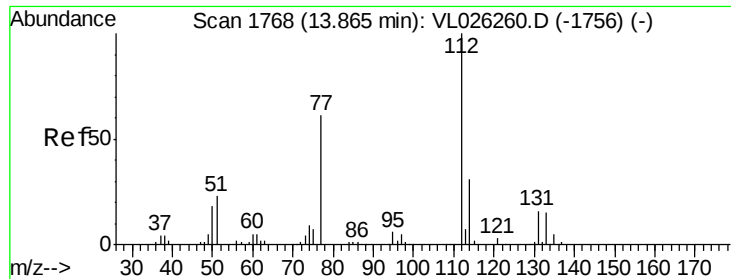
Tot Ion:117 Resp: 1863017
Ion Ratio Lower Upper
117 100
82 61.1 48.2 72.4
119 32.8 46.2 69.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.10 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion:131 Resp: 8856
Ion Ratio Lower Upper
131 100
133 91.1 76.1 114.1
119 6902.7 111.3 166.9#

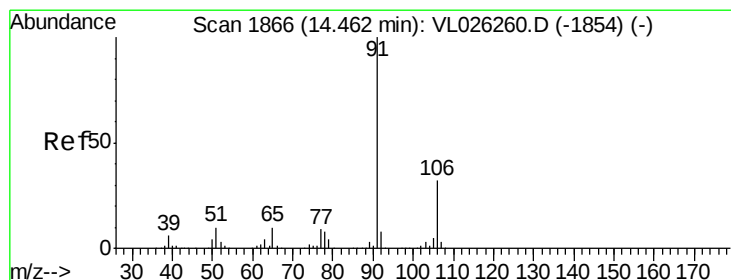
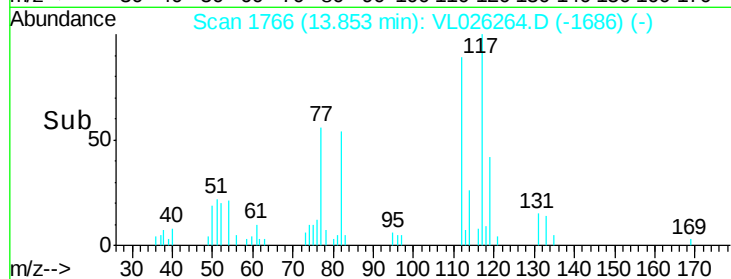
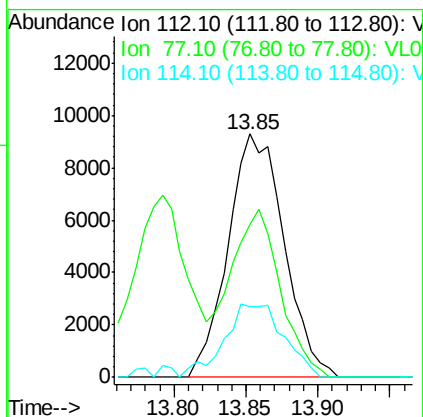
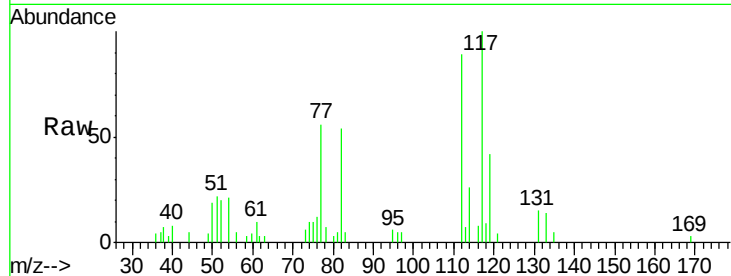




#57
Chlorobenzene
Concen: 0.14 ppbv
RT: 13.85 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

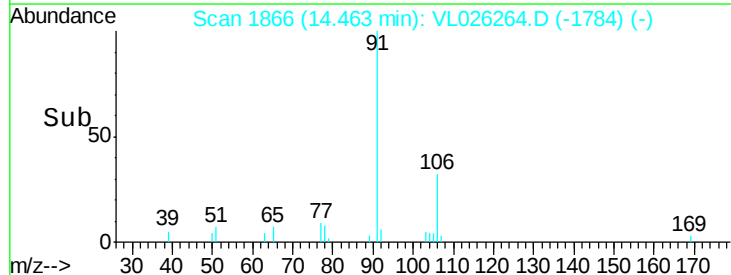
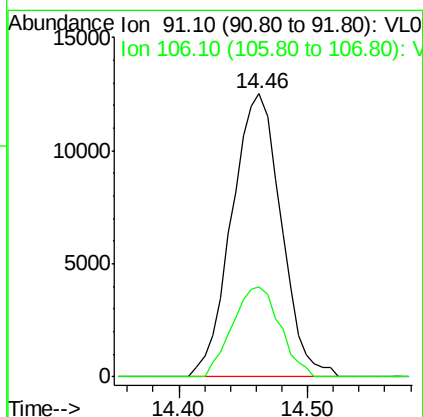
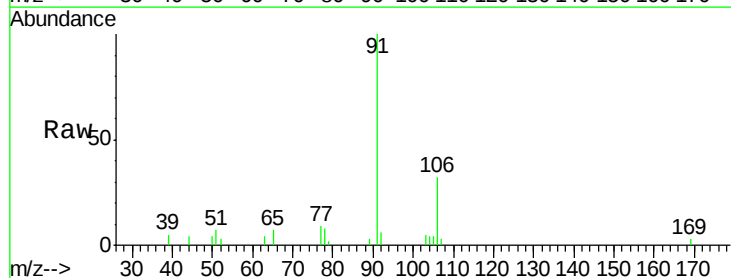
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

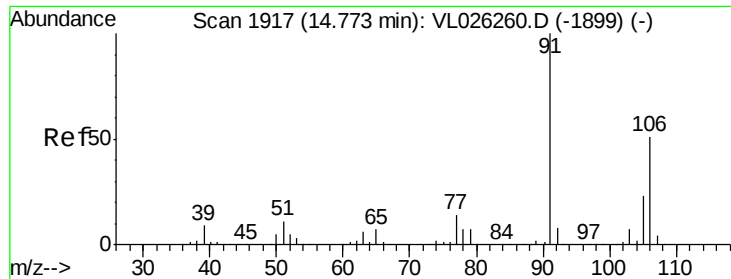
Tot Ion:112 Resp: 25121
Ion Ratio Lower Upper
112 100
77 62.9 49.4 74.0
114 29.0 27.8 34.0



#58
Ethyl Benzene
Concen: 0.11 ppbv
RT: 14.46 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion: 91 Resp: 33310
Ion Ratio Lower Upper
91 100
106 32.0 25.7 38.5

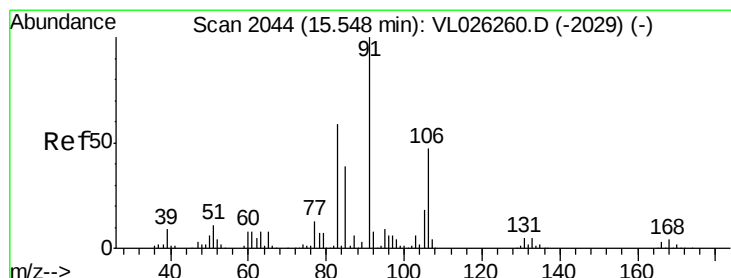
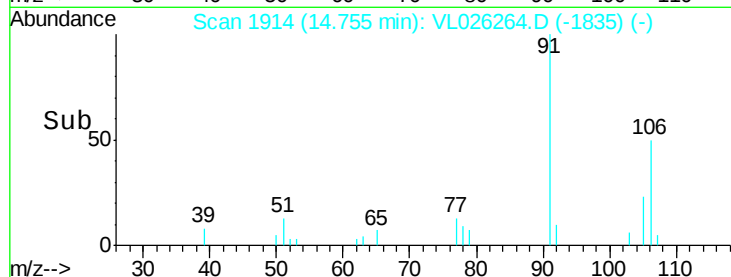
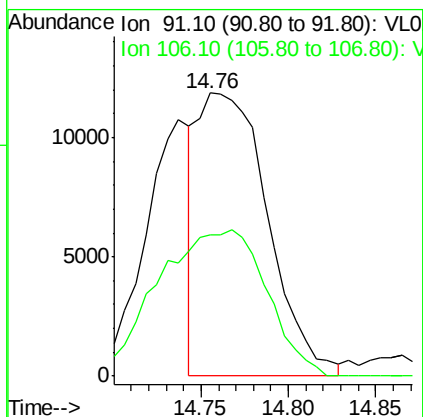
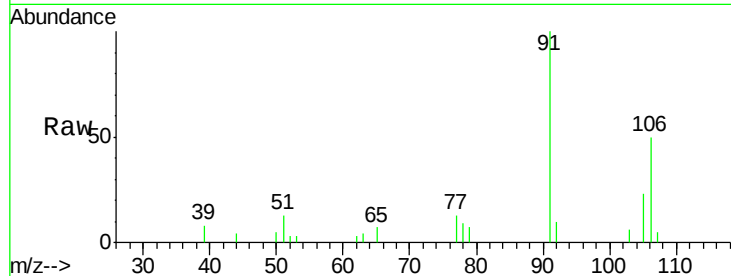




#59
m/p-Xylene
Concen: 0.13 ppbv
RT: 14.76 min Scan# 1914
Delta R.T. -0.02 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

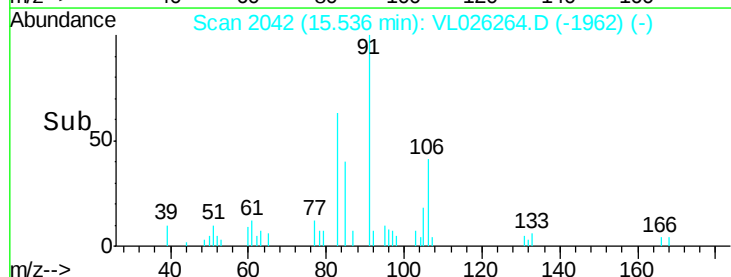
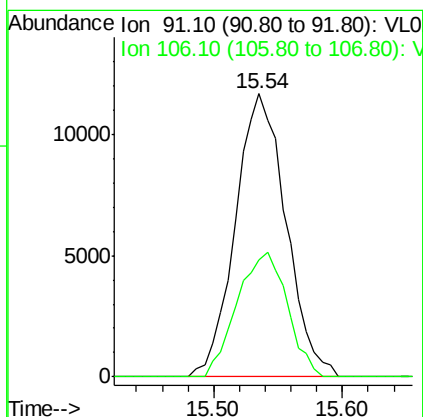
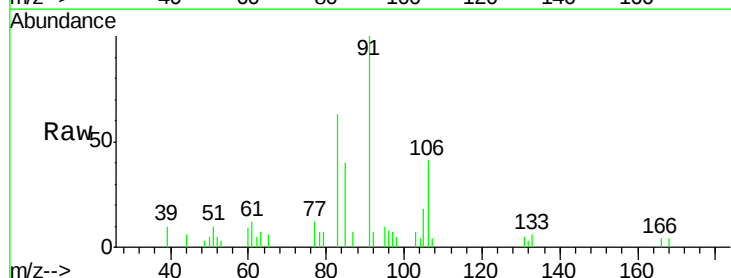
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

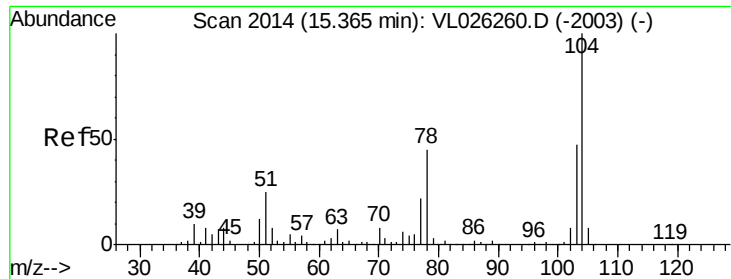
Tot Ion: 91 Resp: 32720
Ion Ratio Lower Upper
91 100
106 80.5 0.0 0.0#



#60
o-Xylene
Concen: 0.13 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion: 91 Resp: 31795
Ion Ratio Lower Upper
91 100
106 43.6 23.6 70.8

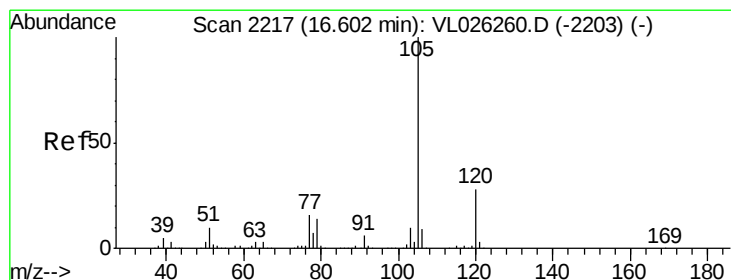
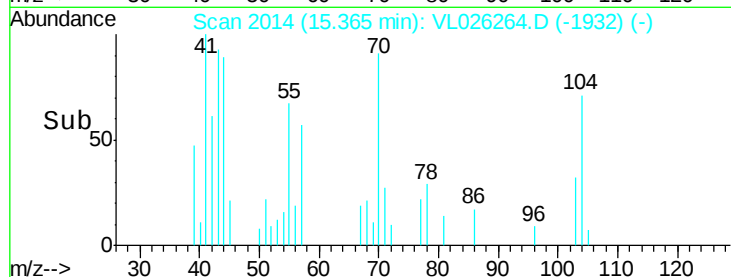
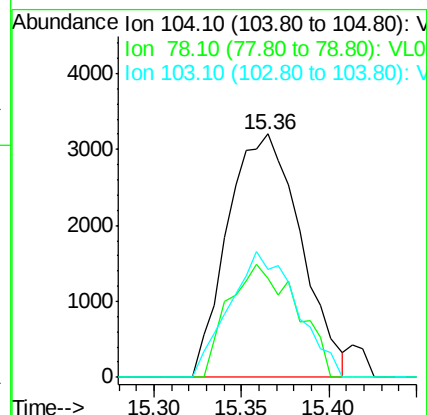
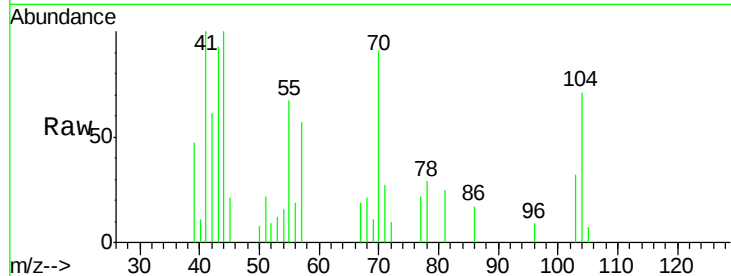




#61
Stvrene
Concen: 0.09 ppbv
RT: 15.36 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

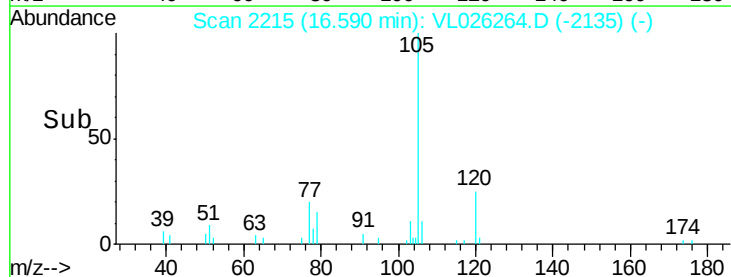
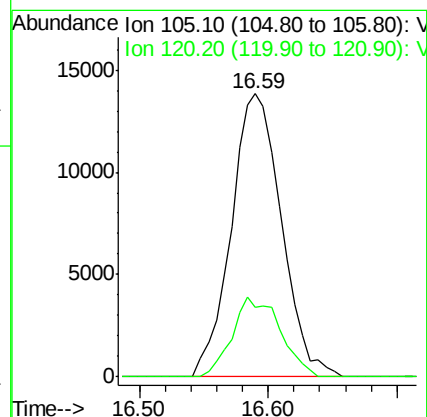
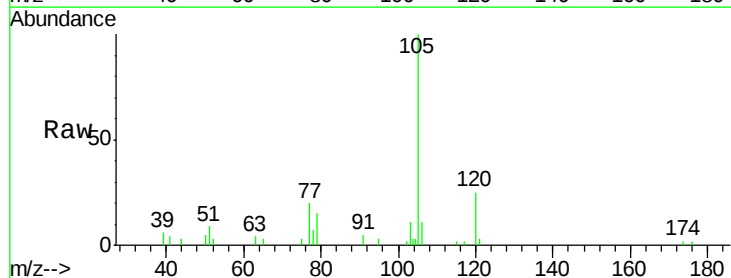
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

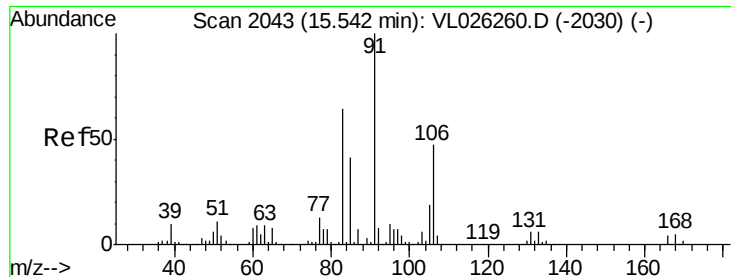
Tot Ion:104 Resp: 9276
Ion Ratio Lower Upper
104 100
78 43.4 35.5 53.3
103 47.8 37.0 55.6



#62
Isopropylbenzene
Concen: 0.11 ppbv
RT: 16.59 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion:105 Resp: 37372
Ion Ratio Lower Upper
105 100
120 26.9 21.7 32.5

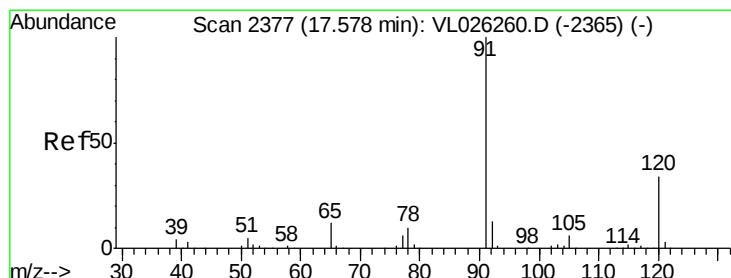
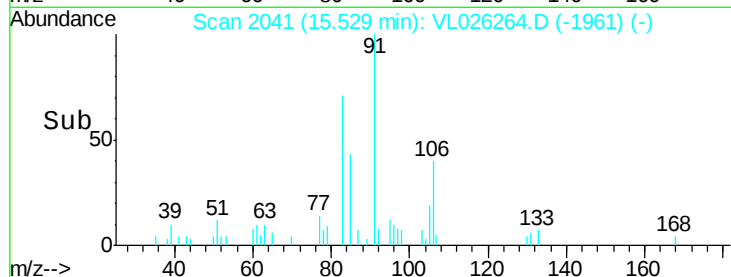
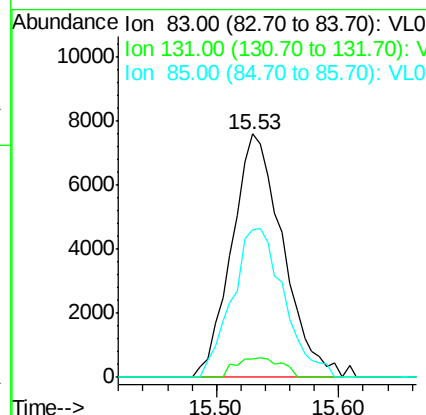
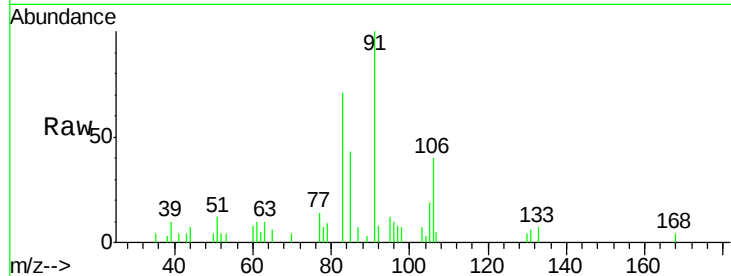




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.13 ppbv
 RT: 15.53 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

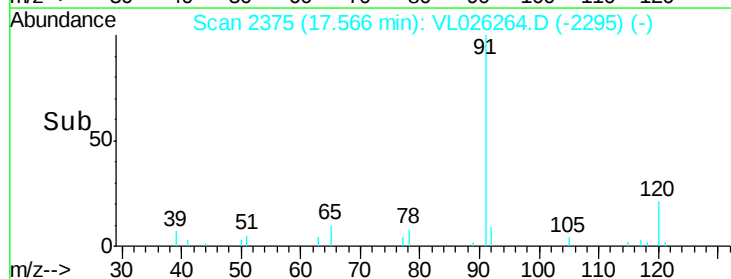
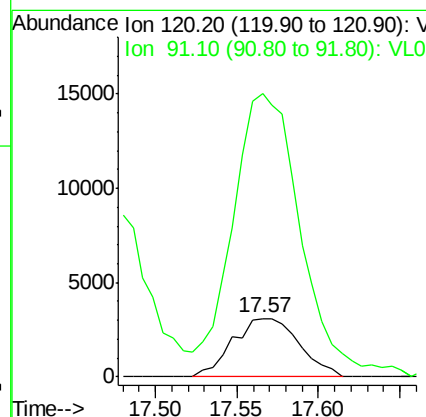
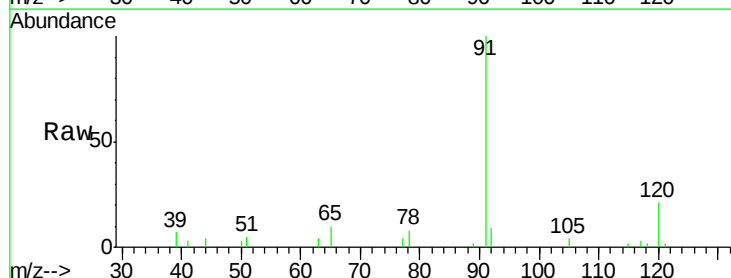
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

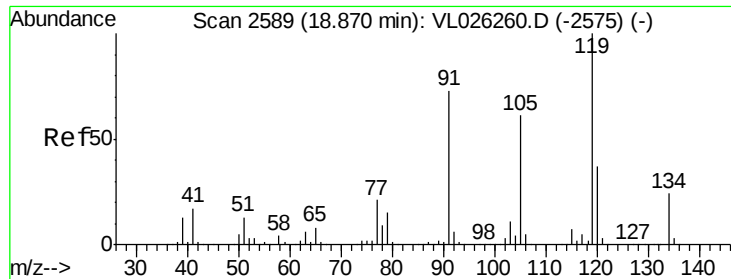
Tot Ion: 83 Resp: 21908
 Ion Ratio Lower Upper
 83 100
 131 7.2 4.6 13.8
 85 62.2 32.4 97.2



#64
 n-propylbenzene
 Concen: 0.09 ppbv
 RT: 17.57 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion: 120 Resp: 8736
 Ion Ratio Lower Upper
 120 100
 91 501.5 340.8 511.2





#65

tert-Butylbenzene

Concen: 0.11 ppbv

RT: 18.86 min Scan# 2588

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

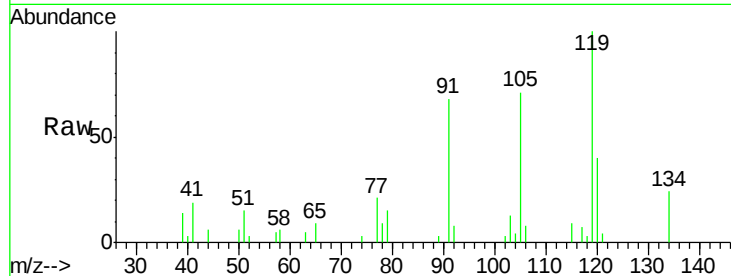
Tot Ion:119 Resp: 33792

Ion Ratio Lower Upper

119 100

91 76.6 57.7 86.5

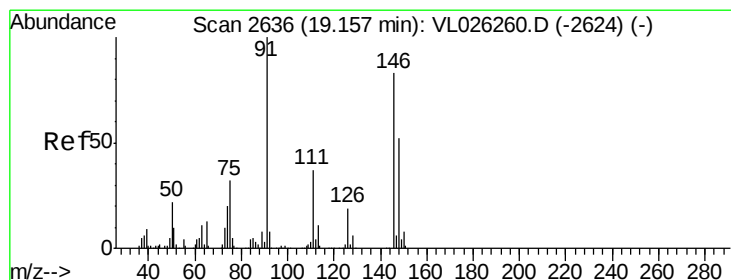
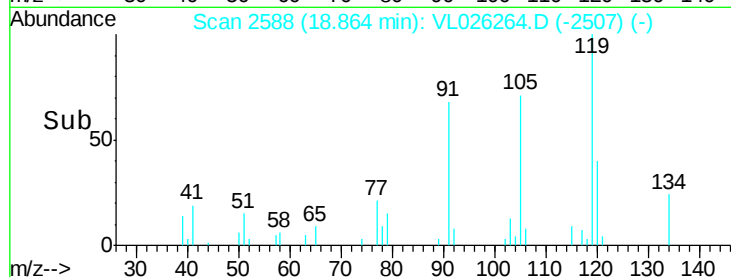
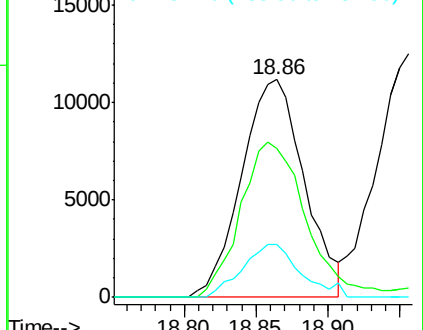
134 22.3 18.0 27.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.06 ppbv

RT: 19.15 min Scan# 2635

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

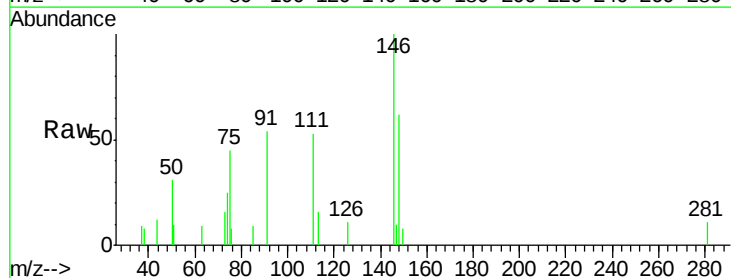
Tgt Ion: 91 Resp: 5683

Ion Ratio Lower Upper

91 100

126 7.9 15.8 23.8#

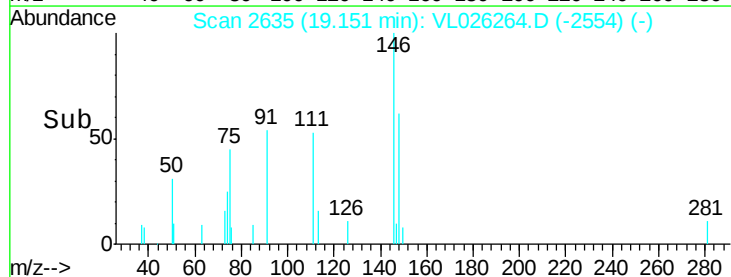
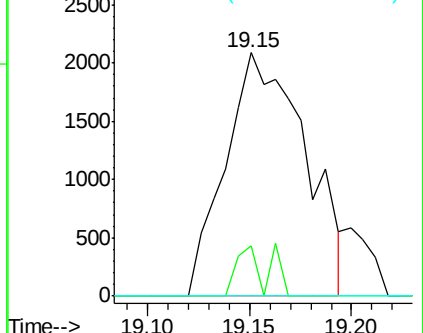
128 0.0 5.0 7.6#

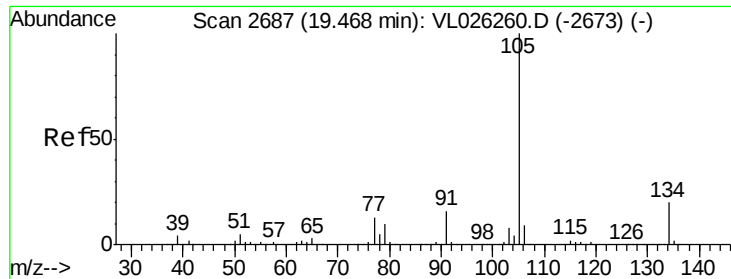


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.10 ppbv

RT: 19.46 min Scan# 2686

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

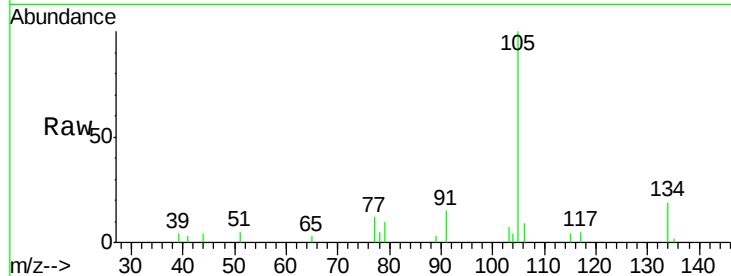
VSTDIC0.1

Tot Ion: 105 Resp: 45382

Ion Ratio Lower Upper

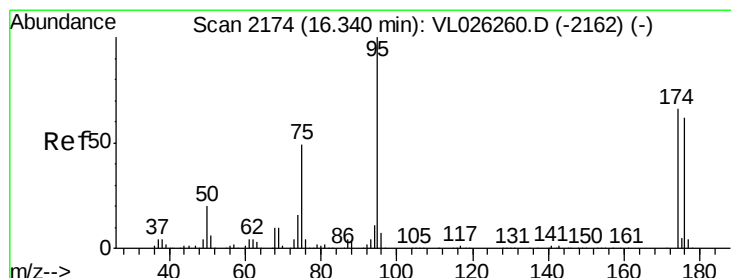
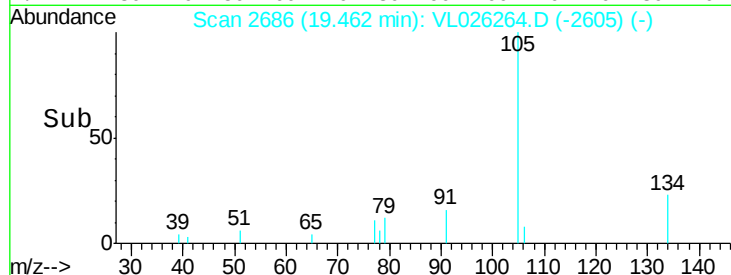
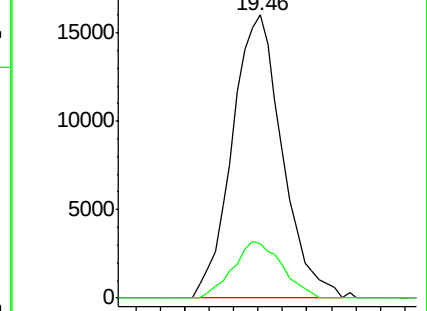
105 100

134 19.6 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: 10.07 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

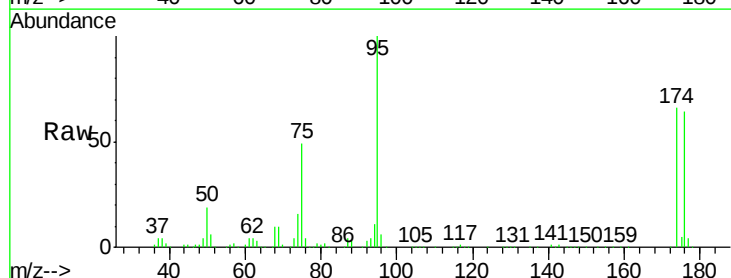
Tgt Ion: 95 Resp: 1435312

Ion Ratio Lower Upper

95 100

174 65.8 52.9 79.3

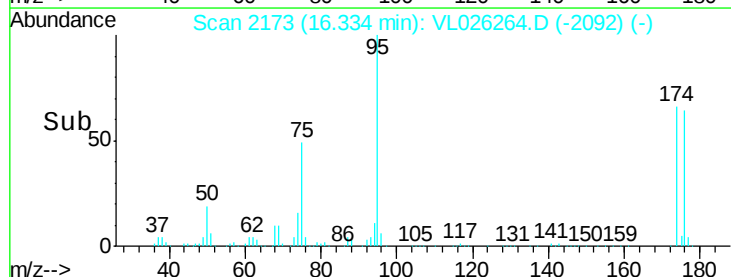
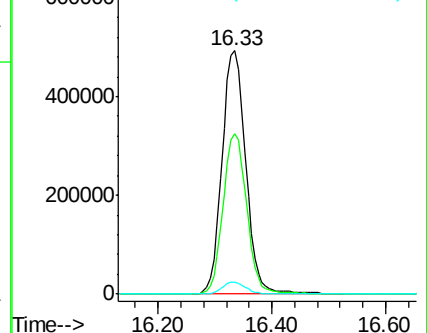
175 4.9 3.8 5.8

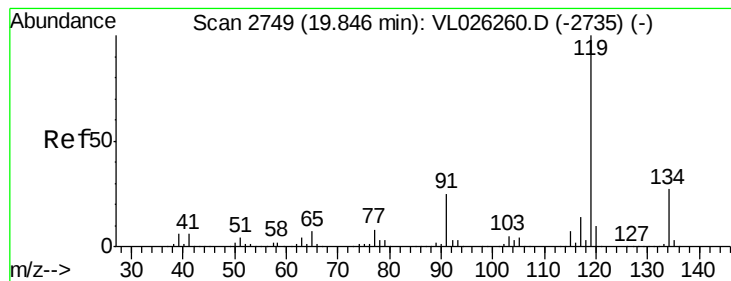


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.09 ppbv

RT: 19.84 min Scan# 2748

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

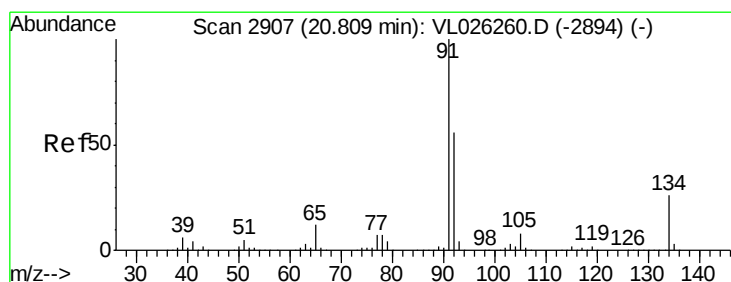
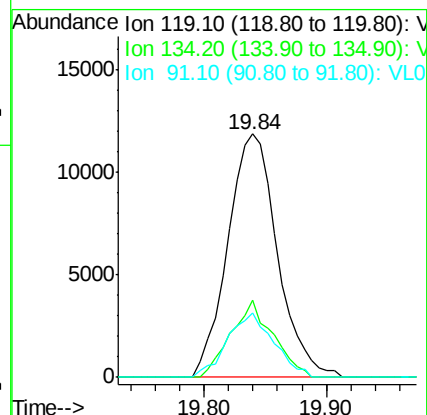
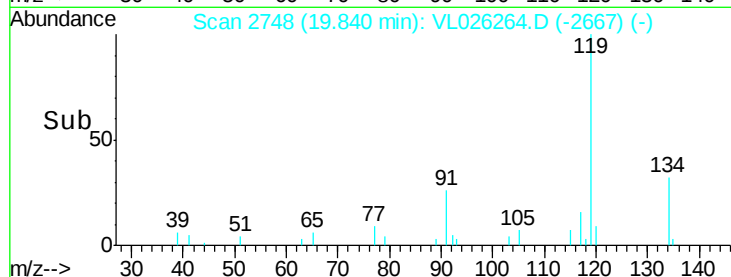
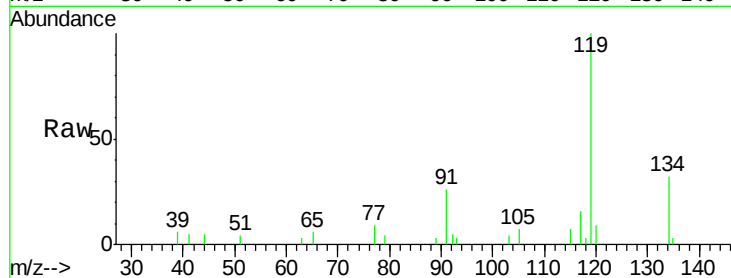
Tot Ion: 119 Resp: 33390

Ion Ratio Lower Upper

119 100

134 26.9 21.3 31.9

91 24.9 19.6 29.4



#70

n-Butylbenzene

Concen: 0.09 ppbv

RT: 20.80 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

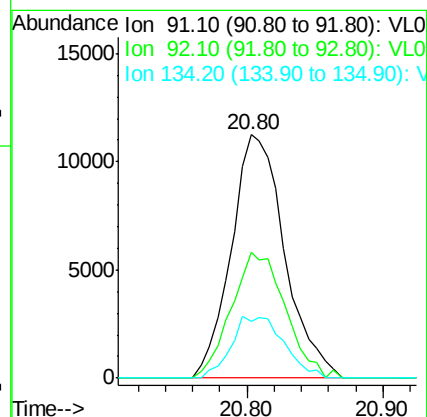
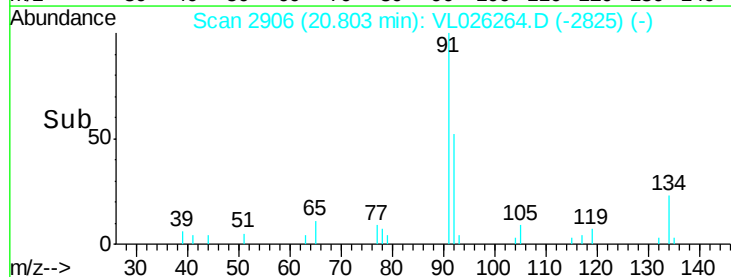
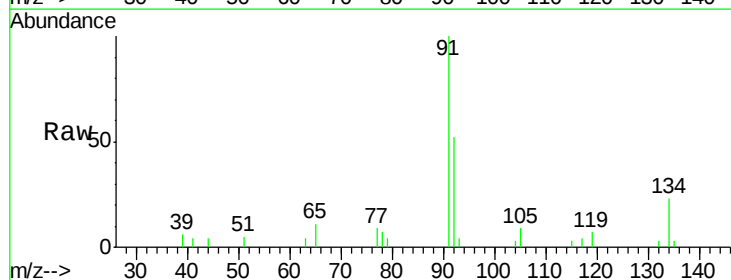
Tgt Ion: 91 Resp: 30773

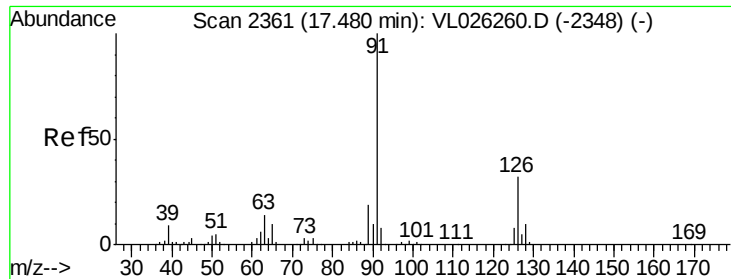
Ion Ratio Lower Upper

91 100

92 52.2 44.9 67.3

134 24.8 20.5 30.7

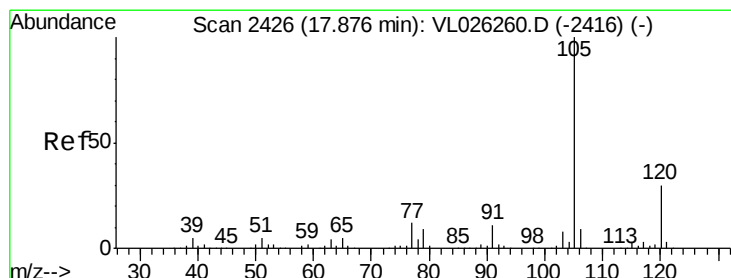
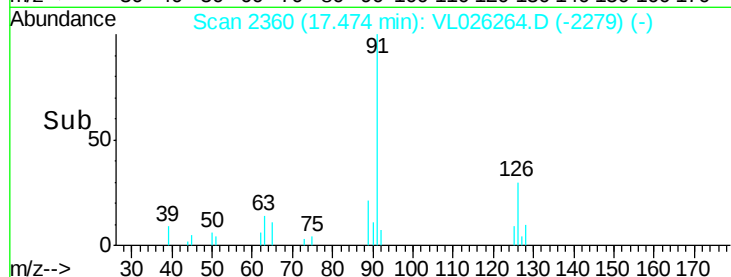
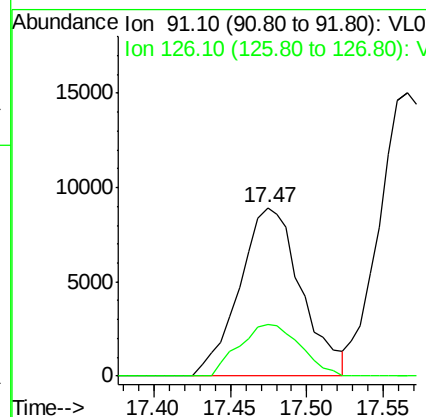
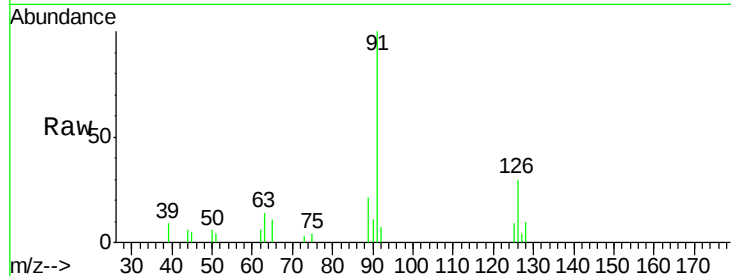




#71
 2-Chlorotoluene
 Concen: 0.10 ppbv
 RT: 17.47 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

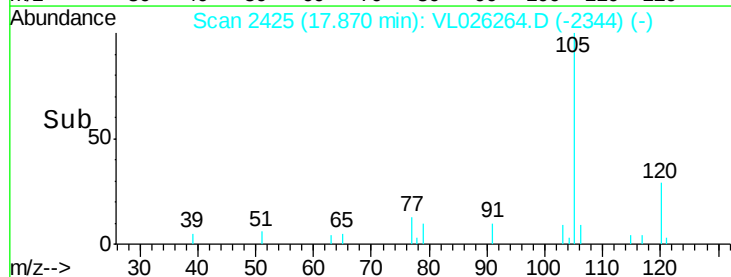
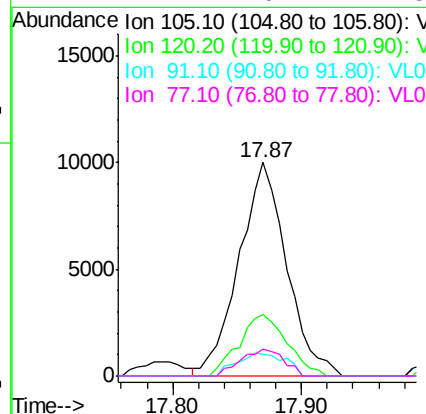
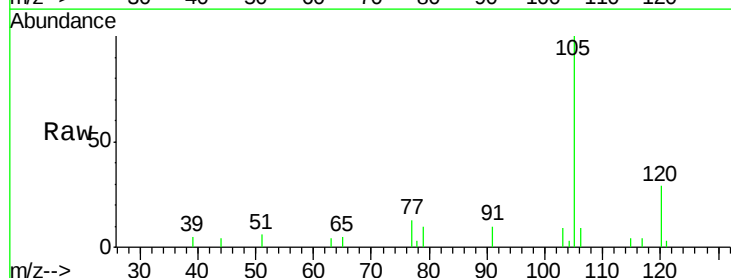
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

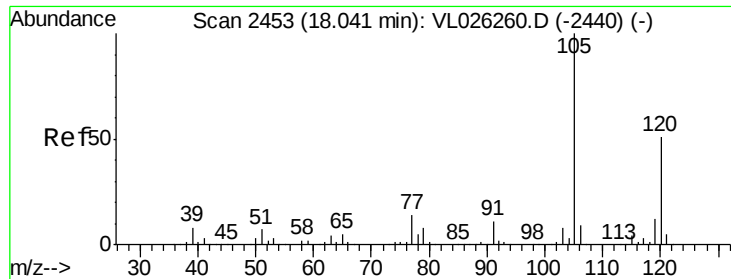
Tot Ion: 91 Resp: 25039
 Ion Ratio Lower Upper
 91 100
 126 30.2 12.8 51.0



#72
 4-Ethyltoluene
 Concen: 0.09 ppbv
 RT: 17.87 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Tgt Ion: 105 Resp: 25738
 Ion Ratio Lower Upper
 105 100
 120 29.0 25.1 37.7
 91 10.9 9.1 13.7
 77 11.2 9.7 14.5





#73

1,3,5-Trimethylbenzene

Concen: 0.10 ppbv

RT: 18.04 min Scan# 2453

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

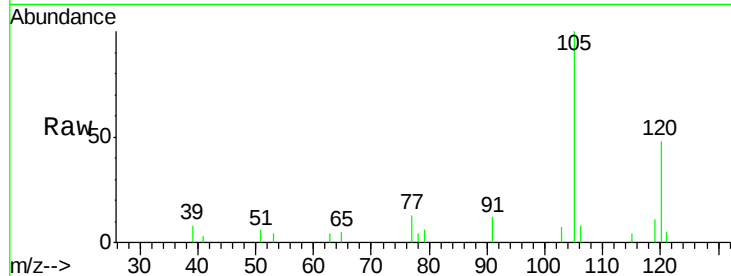
VSTDIC0.1

Tot Ion:105 Resp: 26650

Ion Ratio Lower Upper

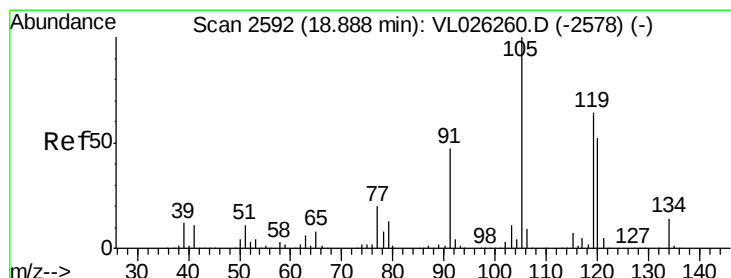
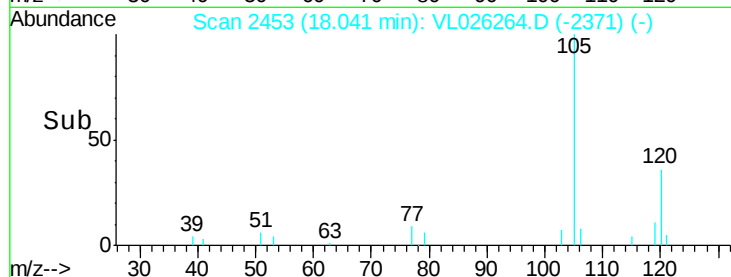
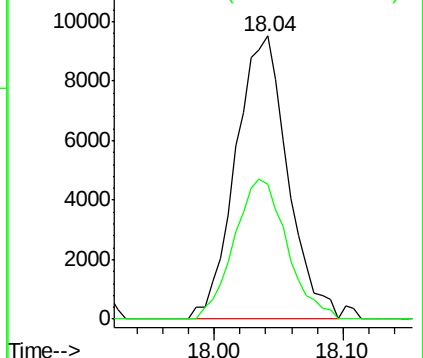
105 100

120 47.8 40.6 61.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.12 ppbv

RT: 18.88 min Scan# 2591

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Tgt Ion:105 Resp: 33970

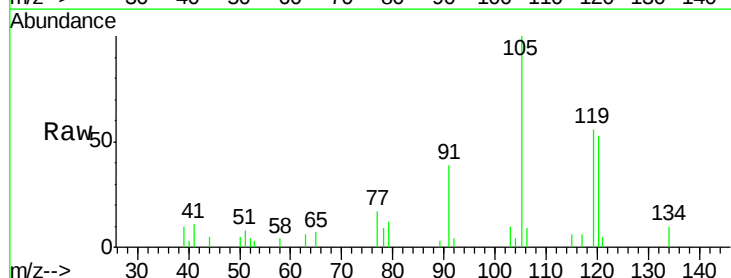
Ion Ratio Lower Upper

105 100

120 48.9 41.2 61.8

91 34.8 37.8 56.8#

77 13.7 16.1 24.1#

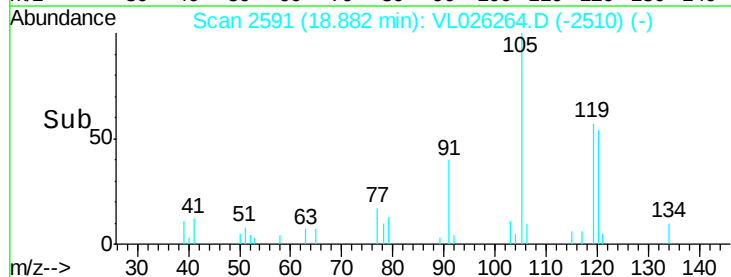
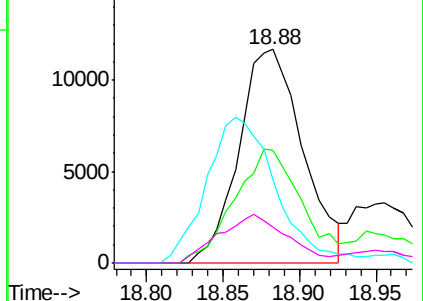


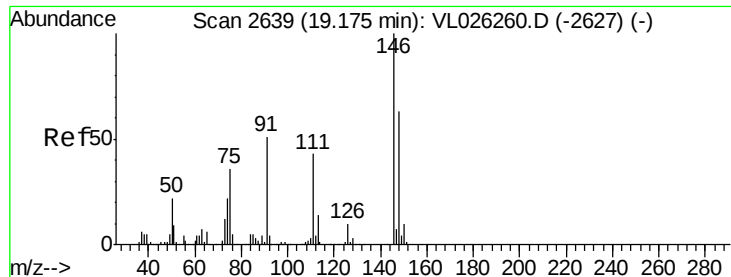
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.12 ppbv

RT: 19.18 min Scan# 2639

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

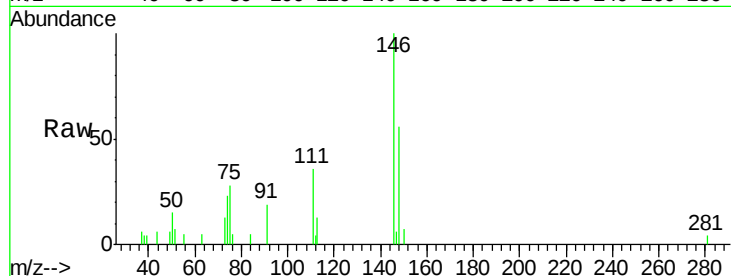
Tot Ion:146 Resp: 22592

Ion Ratio Lower Upper

146 100

111 41.7 21.9 65.5

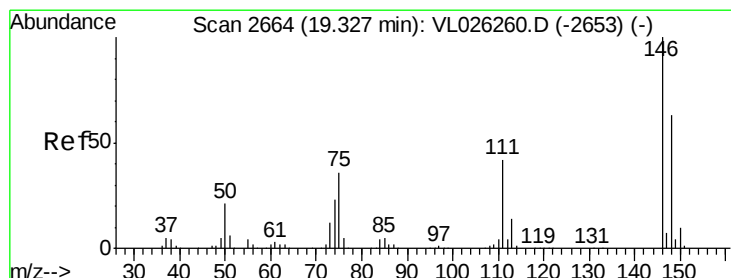
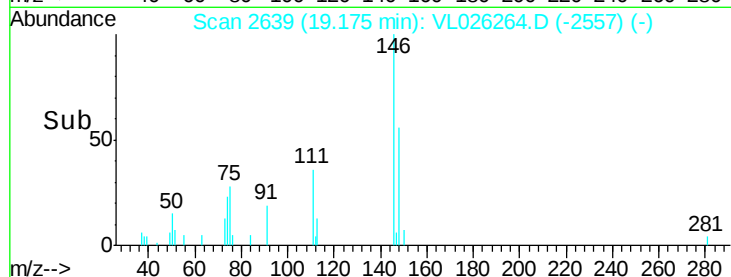
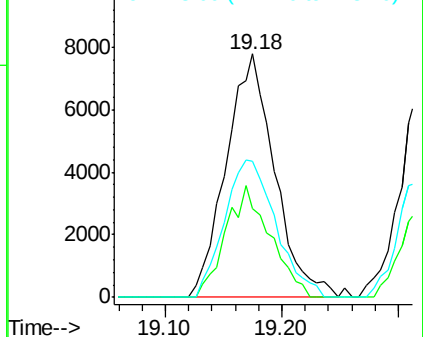
148 59.5 31.8 95.3



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: 0.12 ppbv

RT: 19.33 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

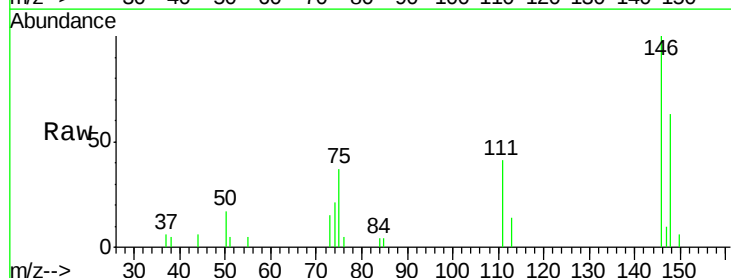
Tgt Ion:146 Resp: 22403

Ion Ratio Lower Upper

146 100

111 38.6 21.1 63.4

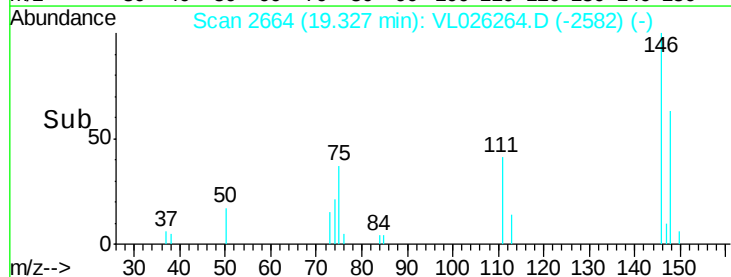
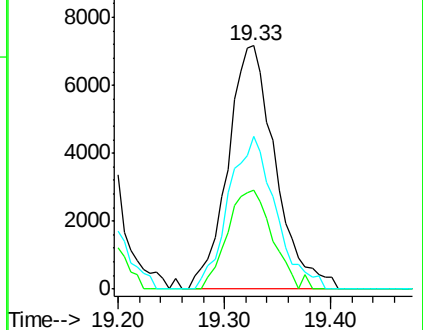
148 61.7 31.8 95.3

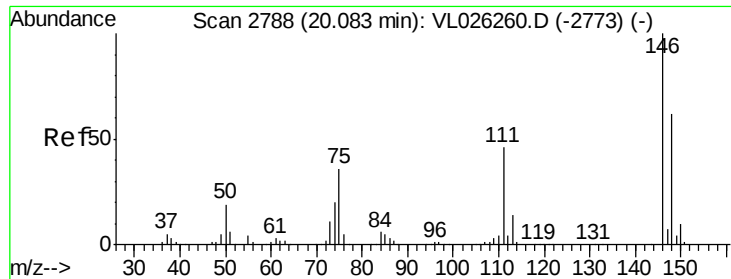


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.12 ppbv

RT: 20.08 min Scan# 2787

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

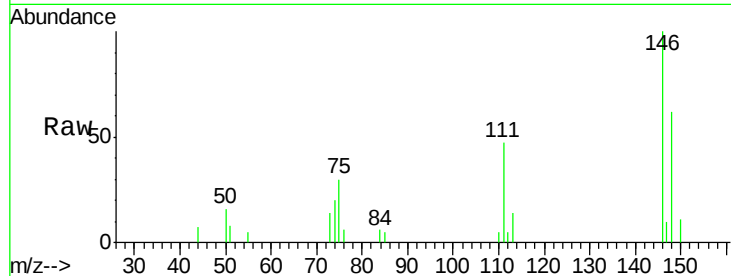
Tot Ion:146 Resp: 21323

Ion Ratio Lower Upper

146 100

111 43.7 22.8 68.3

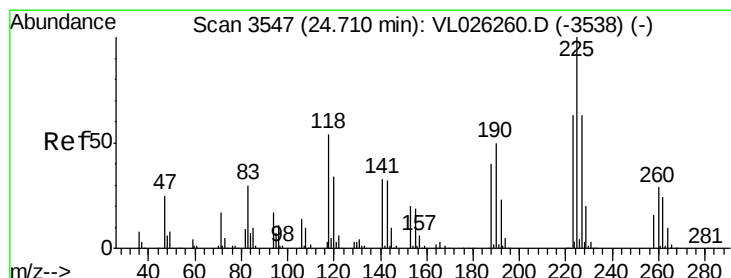
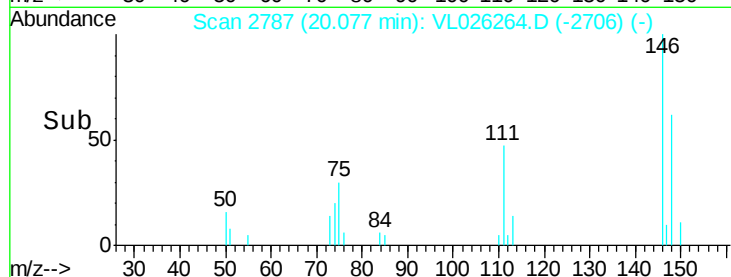
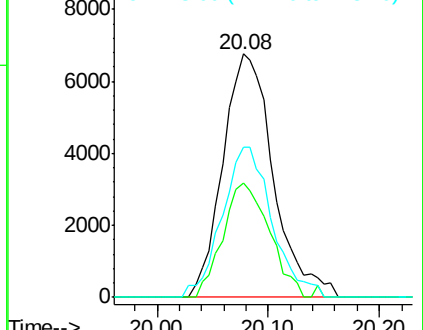
148 60.9 31.6 94.8



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: 0.14 ppbv

RT: 24.72 min Scan# 3548

Delta R.T. 0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

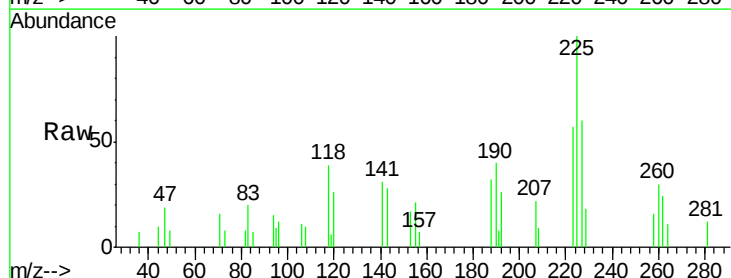
Tgt Ion:225 Resp: 10420

Ion Ratio Lower Upper

225 100

223 63.3 51.0 76.6

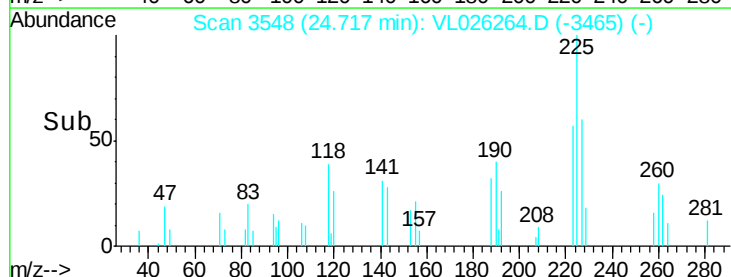
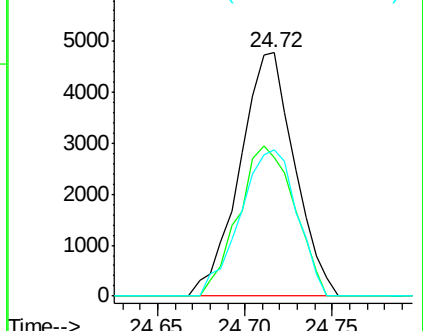
227 62.0 51.3 76.9

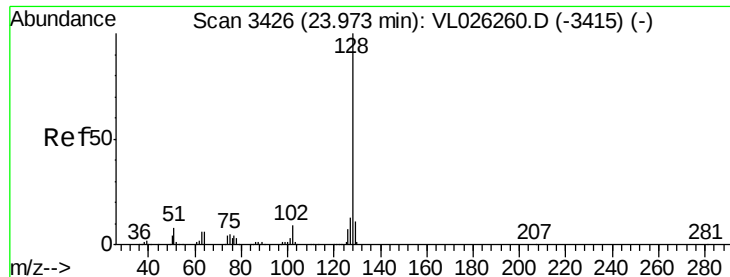


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

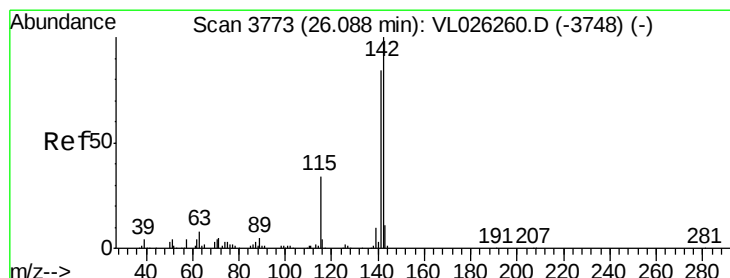
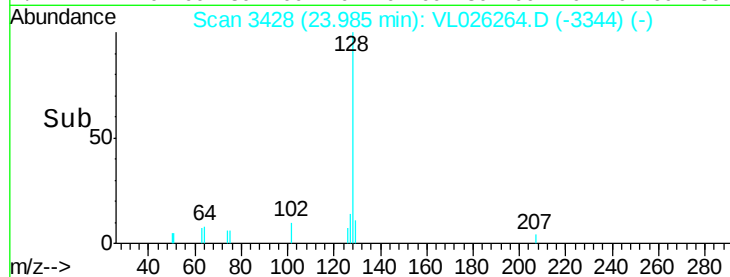
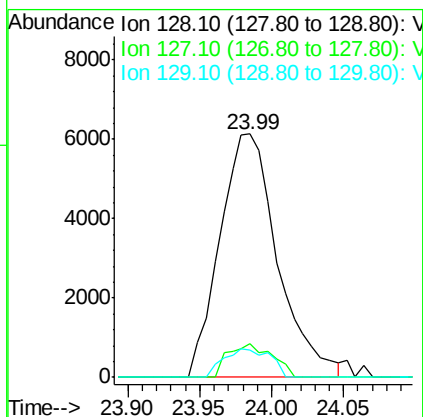
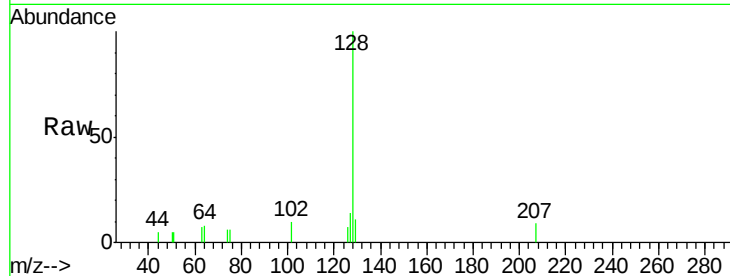




#79
Naphthalene
Concen: 0.08 ppbv
RT: 23.99 min Scan# 3428
Delta R.T. 0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

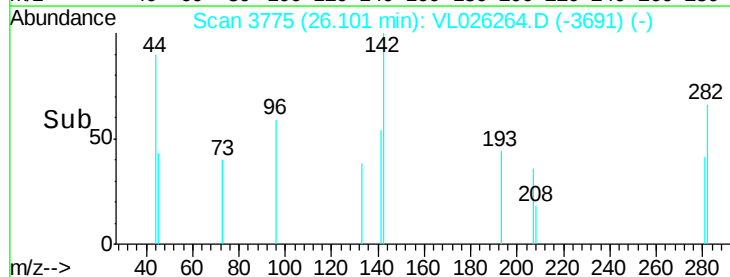
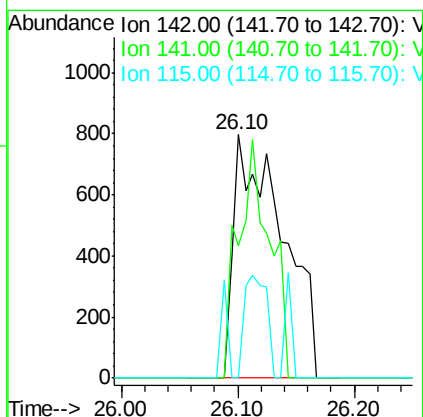
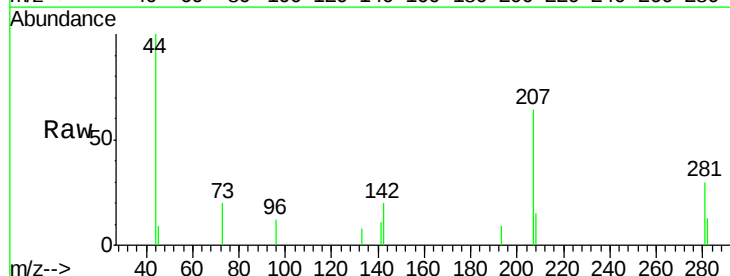
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

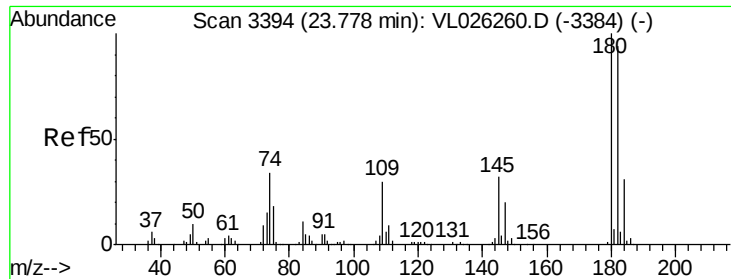
Tot Ion:128 Resp: 17108
Ion Ratio Lower Upper
128 100
127 13.8 10.1 15.1
129 11.1 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 0.06 ppbv
RT: 26.10 min Scan# 3775
Delta R.T. 0.01 min
Lab File: VL026264.D
Acq: 29 Oct 2015 11:57

Tgt Ion:142 Resp: 2320
Ion Ratio Lower Upper
142 100
141 64.1 66.1 99.1#
115 30.0 28.1 42.1

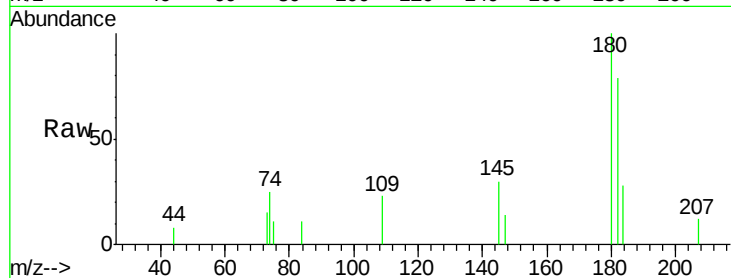




#81
 1,2,4-Trichlorobenzene
 Concen: 0.10 ppbv
 RT: 23.79 min Scan# 3396
 Delta R.T. 0.01 min
 Lab File: VL026264.D
 Acq: 29 Oct 2015 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion:180 Resp: 10437
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.0 114.0
 184 28.2 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

