

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026263.D
 Acq On : 29 Oct 2015 11:19
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Oct 29 12:14:16 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:16:01 2015
 QLast Update : Thu Oct 29 12:16:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	583088	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1622290	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	1879001	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1452230	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	68662	0.57	ppbv	98
3) Chlorodifluoromethane	3.59	51	40467	0.55	ppbv	99
4) Chloromethane	3.78	50	22141	0.54	ppbv	93
5) Vinyl Chloride	3.91	62	21326	0.50	ppbv	95
6) Bromomethane	4.17	94	16008	0.53	ppbv	99
7) Chloroethane	4.27	64	9827	0.55	ppbv	95
8) Dichlorotetrafluoroethane	3.83	85	57648	0.55	ppbv	97
9) Propene	3.62	41	19255	0.55	ppbv	95
10) Heptane	9.39	43	61325	0.51	ppbv	99
11) Trichlorofluoromethane	4.72	101	62953	0.53	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	42639	0.53	ppbv	100
13) Ethanol	4.39	45	2803	0.57	ppbv	72
14) Bromoethene	4.48	108	17373	0.52	ppbv	98
15) Acetone	4.65	43	43731	0.53	ppbv #	81
16) 1,3-Butadiene	4.00	39	19635	0.51	ppbv	97
18) 1,1-Dichloroethene	5.12	96	19091	0.53	ppbv	99
19) Isopropyl Alcohol	4.82	45	15012	0.46	ppbv #	23
20) Methylene Chloride	5.18	84	18632	0.55	ppbv	100
21) Allvl Chloride	5.26	41	28501	0.51	ppbv	92
22) trans-1,2-Dichloroethene	5.79	96	24354	0.51	ppbv	94
23) Vinyl Acetate	6.03	43	71041	0.46	ppbv #	95
24) 1,1-Dichloroethane	5.94	63	52828	0.52	ppbv	98
25) Ethyl Acetate	6.73	43	83542	0.52	ppbv	100
26) Hexane	6.70	57	40631	0.51	ppbv	98
27) Carbon Disulfide	5.42	76	45167	0.46	ppbv #	82
28) Methyl tert-Butyl Ether	6.01	73	67622	0.47	ppbv	99
29) Chloroform	6.78	83	60646	0.52	ppbv	99
30) Cyclohexane	8.32	84	38584	0.48	ppbv #	57
31) cis-1,2-Dichloroethene	6.55	61	35578	0.48	ppbv	96
32) 1,1,1-Trichloroethane	7.63	97	58420	0.46	ppbv	98
34) 2-Butanone	6.26	43	52113	0.55	ppbv	98
35) Carbon Tetrachloride	8.20	117	56400	0.46	ppbv	99
36) Benzene	8.06	78	91122	0.54	ppbv	98
37) 1,2-Dichloroethane	7.41	62	46707	0.53	ppbv	99
38) Trichloroethene	9.10	130	38608	0.48	ppbv	96
39) 1,2-Dichloropropane	8.87	63	33664	0.55	ppbv	96
40) 1,4-Dioxane	9.24	88	2793	0.29	ppbv #	1
41) Tetrahydrofuran	7.20	42	28005	0.50	ppbv	96
42) Bromodichloromethane	9.06	83	58299	0.48	ppbv	97
43) Methyl Methacrylate	9.32	69	28972	0.47	ppbv	94
44) 2,2,4-Trimethylpentane	9.13	57	150992	0.54	ppbv	99

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
 Data File : VL026263.D
 Acq On : 29 Oct 2015 11:19
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Oct 29 12:14:16 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:16:01 2015
 QLast Update : Thu Oct 29 12:16:01 2015
 Response via : Initial Calibration

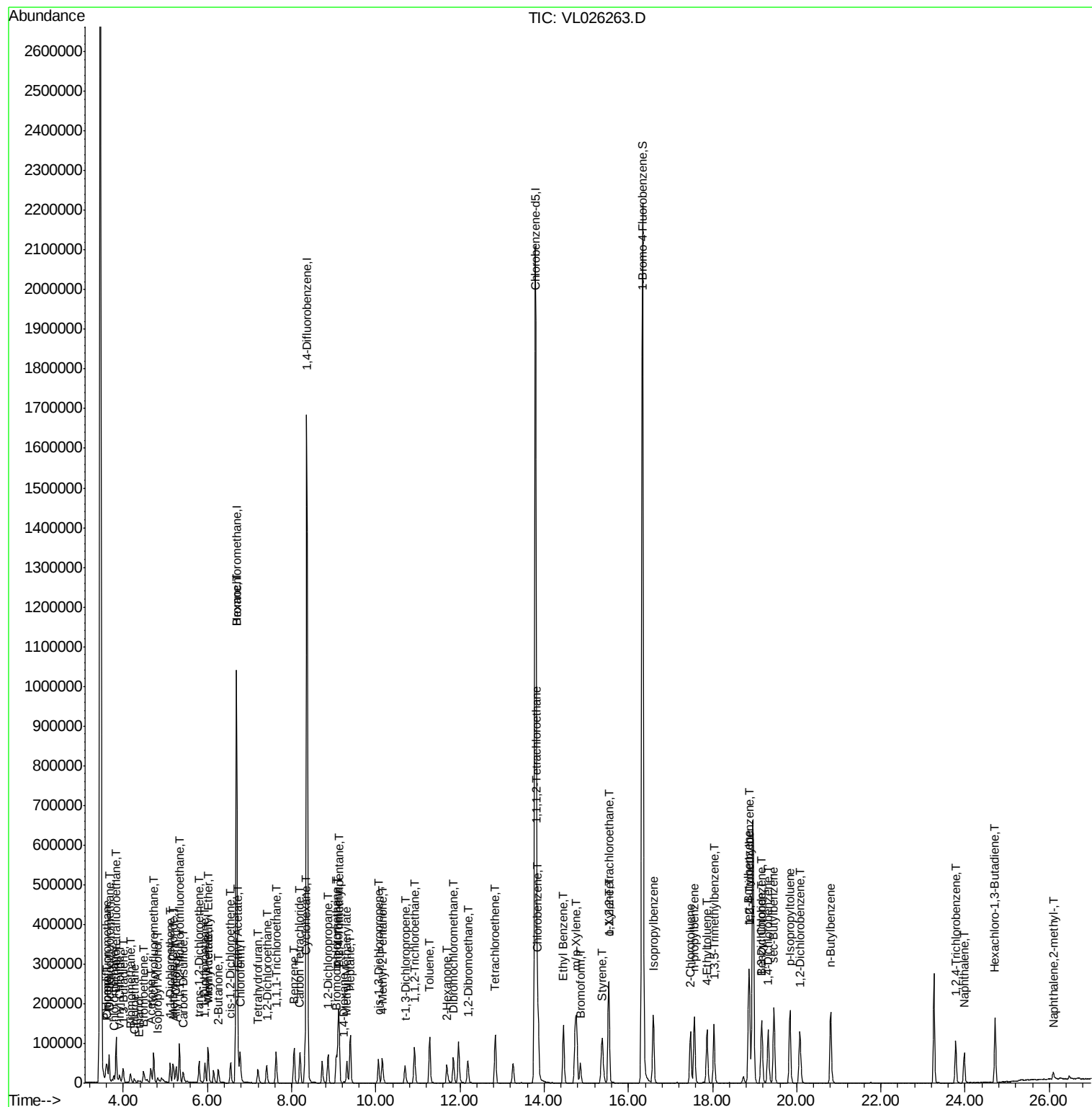
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	10.70	75	36213	0.40	ppbv	96
46) cis-1,3-Dichloropropene	10.06	75	47838	0.44	ppbv	98
47) 1,1,2-Trichloroethane	10.92	97	40848	0.55	ppbv	99
48) Dibromochloromethane	11.84	129	49659	0.44	ppbv	99
49) Bromoform	14.86	173	35823	0.39	ppbv	99
50) 4-Methyl-2-Pentanone	10.15	43	63880	0.49	ppbv	96
51) 2-Hexanone	11.69	43	53638	0.44	ppbv #	100
52) Tetrachloroethene	12.84	164	39906	0.43	ppbv	97
53) Toluene	11.28	91	115189	0.51	ppbv	97
54) 1,2-Dibromoethane	12.19	107	60030	0.52	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.83	131	43596	0.48	ppbv #	1
57) Chlorobenzene	13.85	112	105990	0.57	ppbv	98
58) Ethyl Benzene	14.46	91	160760	0.52	ppbv	99
59) m/p-Xylene	14.77	91	268434	1.10	ppbv #	100
60) o-Xylene	15.54	91	145029	0.57	ppbv	99
61) Styrene	15.36	104	49759	0.44	ppbv	99
62) Isopropylbenzene	16.59	105	189385	0.54	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.53	83	100653	0.58	ppbv	99
64) n-propylbenzene	17.57	120	49521	0.51	ppbv	82
65) tert-Butylbenzene	18.86	119	170884	0.53	ppbv	99
66) Benzyl Chloride	19.16	91	36699	0.33	ppbv #	95
67) sec-Butylbenzene	19.46	105	239753	0.53	ppbv	98
69) p-Isopropyltoluene	19.84	119	188275	0.51	ppbv	98
70) n-Butylbenzene	20.81	91	176574	0.51	ppbv	97
71) 2-Chlorotoluene	17.47	91	132551	0.51	ppbv	100
72) 4-Ethyltoluene	17.86	105	146576	0.50	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	141316	0.52	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	156646	0.55	ppbv	97
75) 1,3-Dichlorobenzene	19.17	146	103054	0.56	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	103838	0.55	ppbv	98
77) 1,2-Dichlorobenzene	20.08	146	99633	0.54	ppbv	100
78) Hexachloro-1,3-Butadiene	24.71	225	42502	0.51	ppbv	98
79) Naphthalene	23.98	128	96735	0.43	ppbv	98
80) Naphthalene,2-methyl-	26.09	142	17347	0.48	ppbv	96
81) 1,2,4-Trichlorobenzene	23.78	180	51500	0.47	ppbv	99

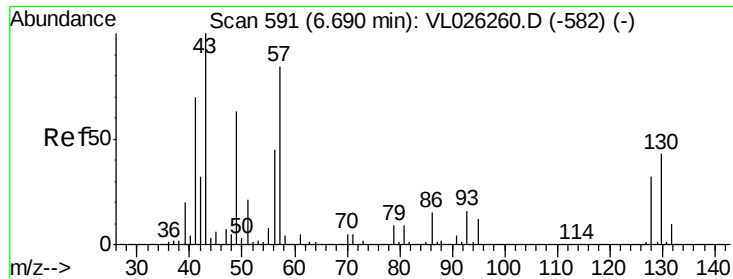
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102915\
Data File : VL026263.D
Acq On : 29 Oct 2015 11:19
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Oct 29 12:14:16 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:16:01 2015
QLast Update : Thu Oct 29 12:16:01 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

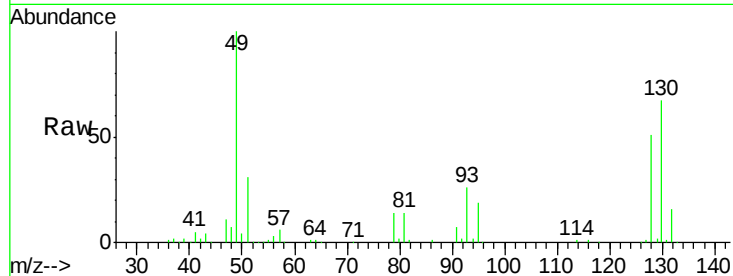
Tot Ion: 49 Resp: 583088

Ion Ratio Lower Upper

49 100

128 54.4 26.7 80.1

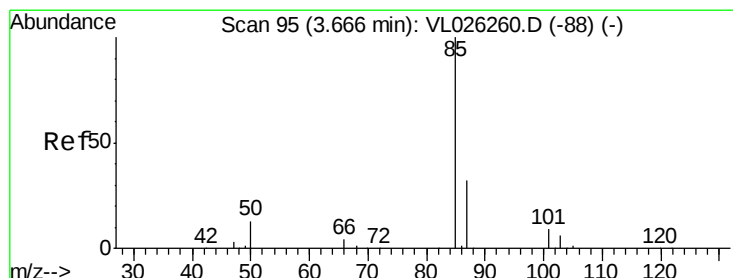
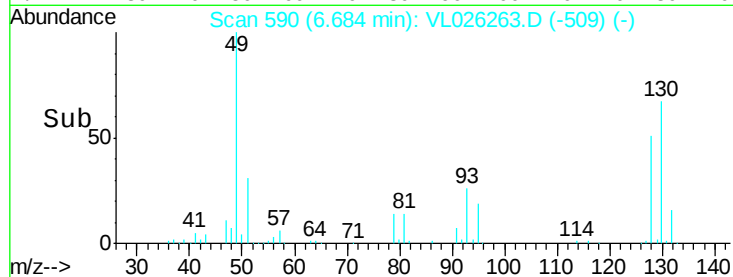
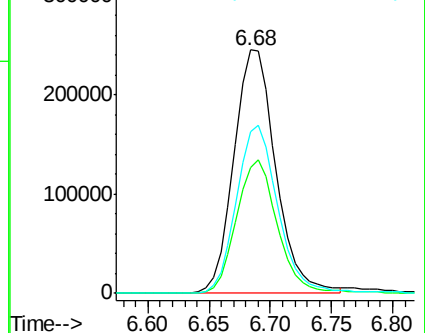
130 69.6 34.4 103.2



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: 0.57 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026263.D

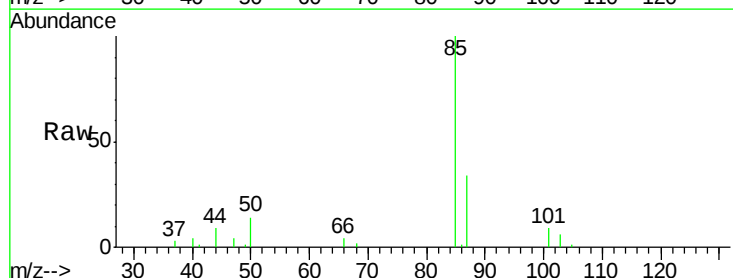
Acq: 29 Oct 2015 11:19

Tgt Ion: 85 Resp: 68662

Ion Ratio Lower Upper

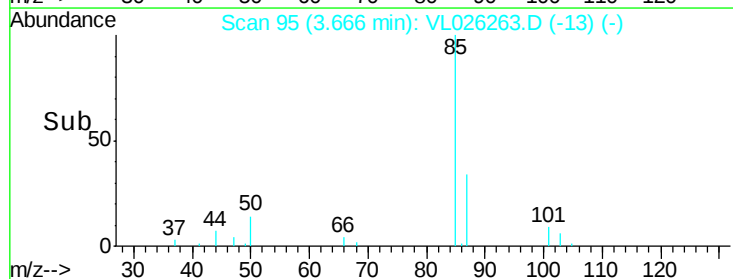
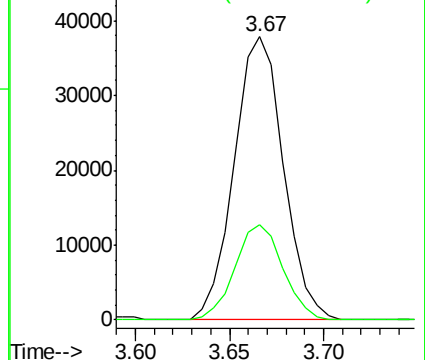
85 100

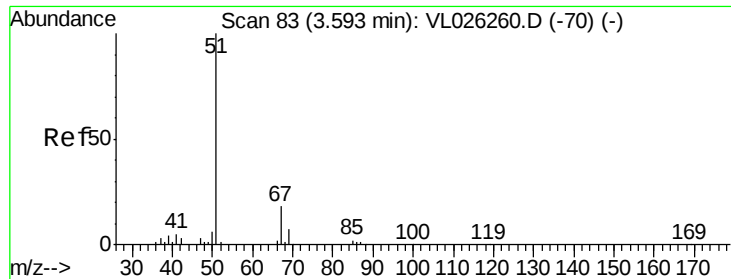
87 33.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

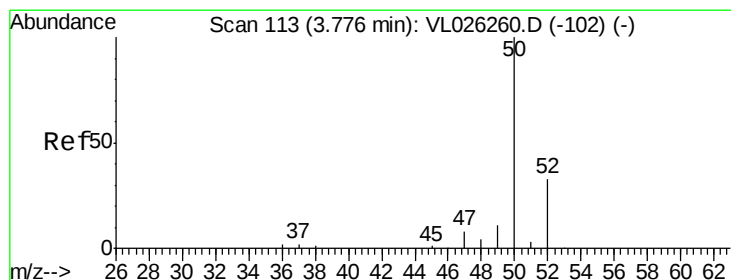
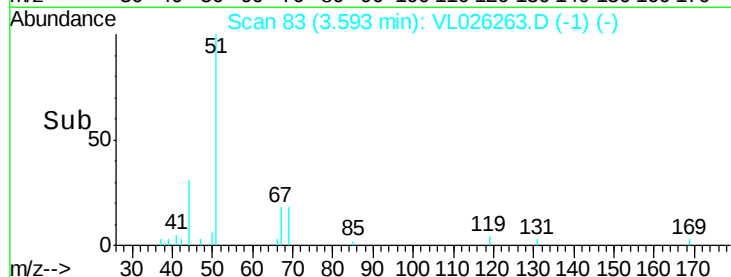
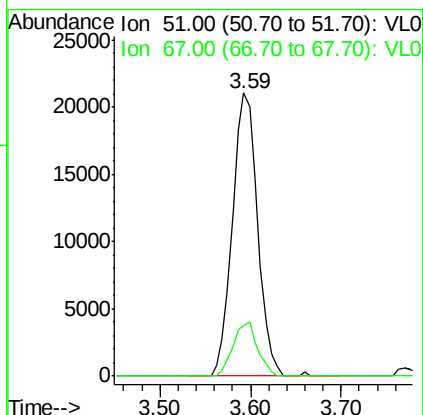
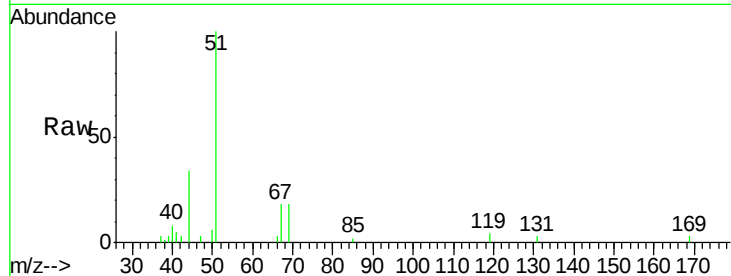




#3
Chlorodifluoromethane
Concen: 0.55 ppbv
RT: 3.59 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

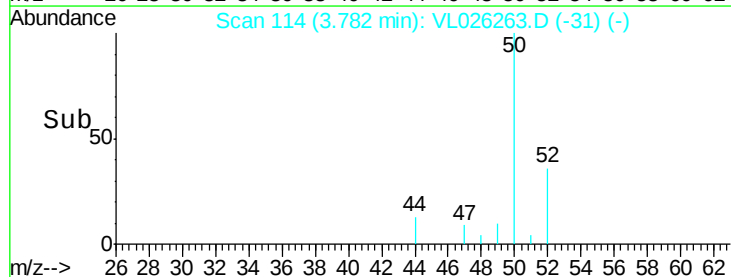
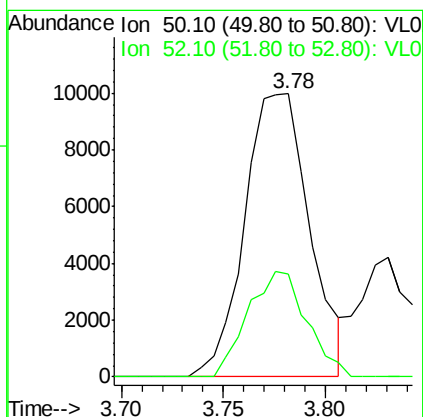
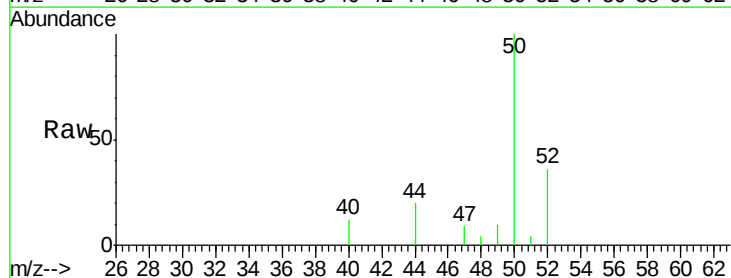
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

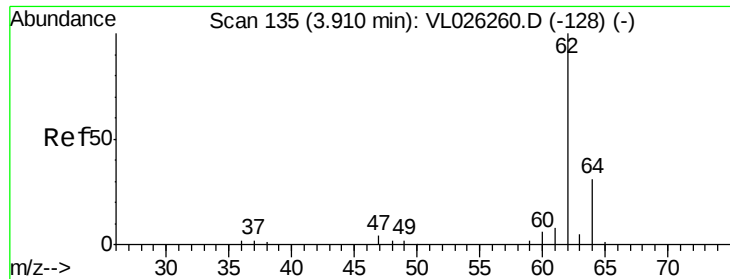
Tot Ion: 51 Resp: 40467
Ion Ratio Lower Upper
51 100
67 18.4 14.5 21.7



#4
Chloromethane
Concen: 0.54 ppbv
RT: 3.78 min Scan# 114
Delta R.T. 0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 50 Resp: 22141
Ion Ratio Lower Upper
50 100
52 36.4 26.1 39.1





#5

Vinyl Chloride

Concen: 0.50 ppbv

RT: 3.91 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

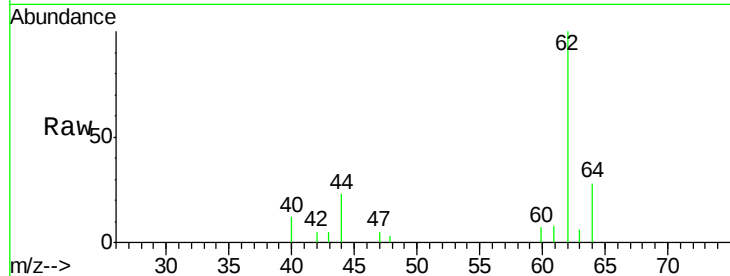
VSTDIC0.5

Tot Ion: 62 Resp: 21326

Ion Ratio Lower Upper

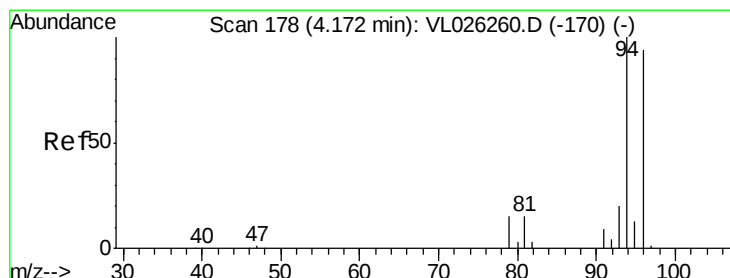
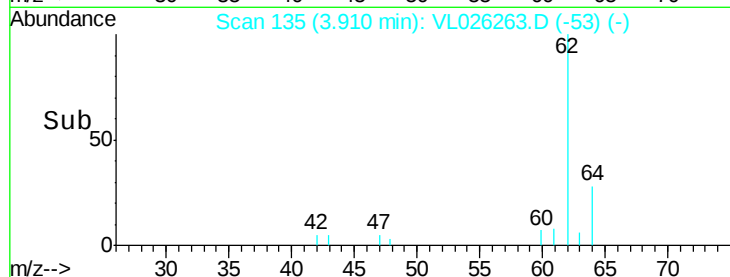
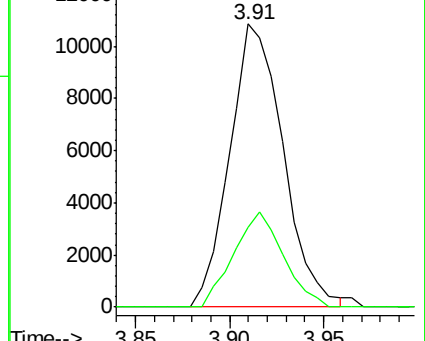
62 100

64 28.2 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: 0.53 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026263.D

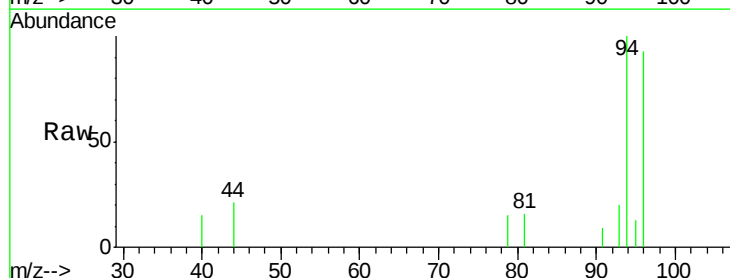
Acq: 29 Oct 2015 11:19

Tgt Ion: 94 Resp: 16008

Ion Ratio Lower Upper

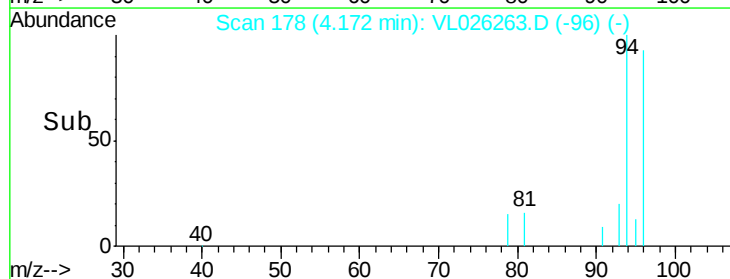
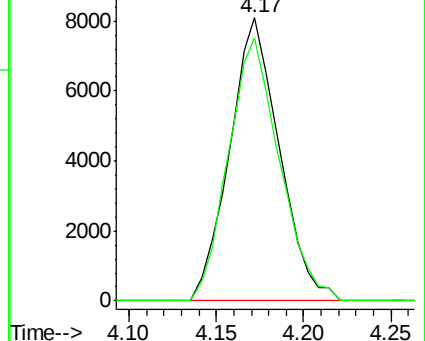
94 100

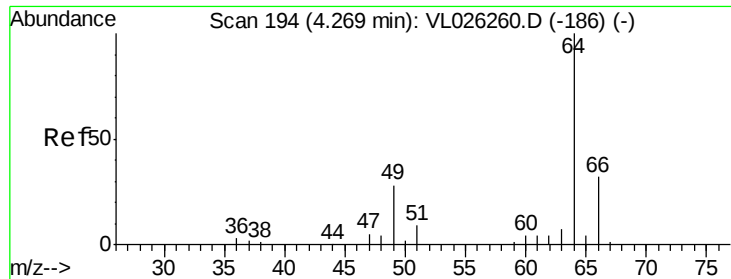
96 93.1 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.55 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

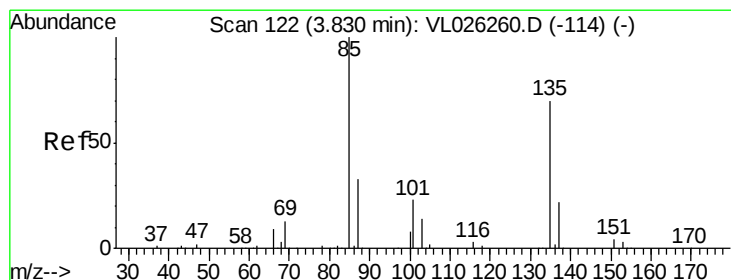
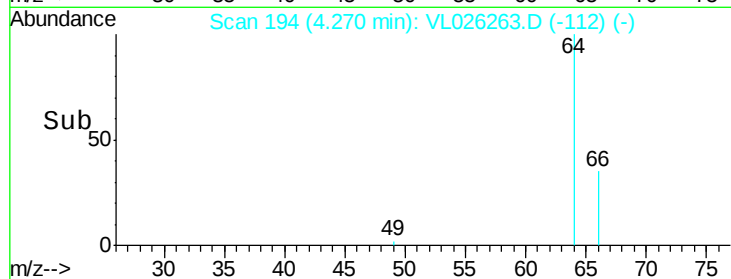
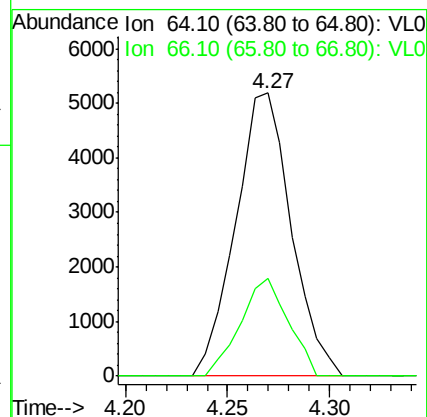
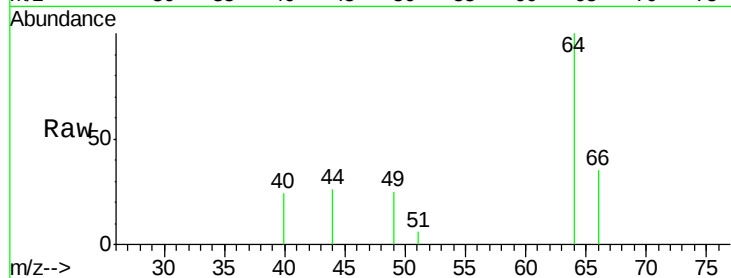
VSTDIC0.5

Tot Ion: 64 Resp: 9827

Ion Ratio Lower Upper

64 100

66 34.5 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 0.55 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026263.D

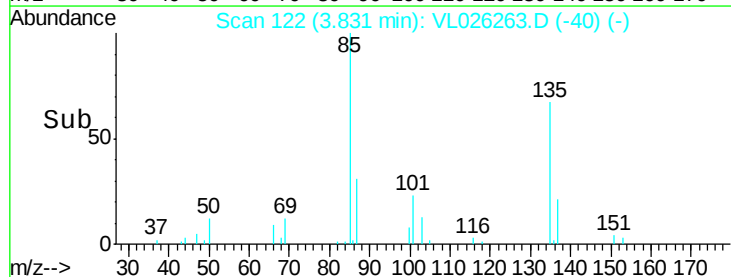
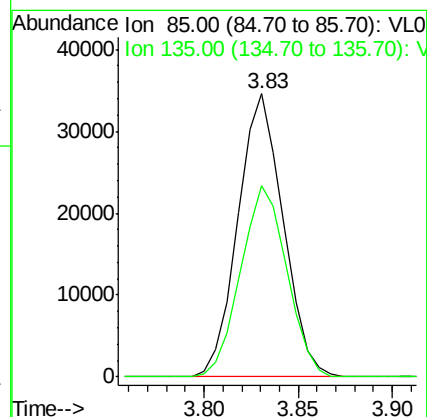
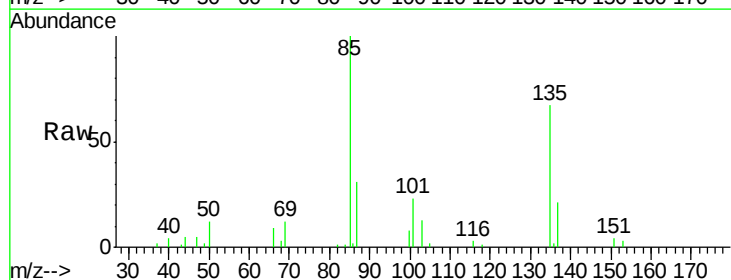
Acq: 29 Oct 2015 11:19

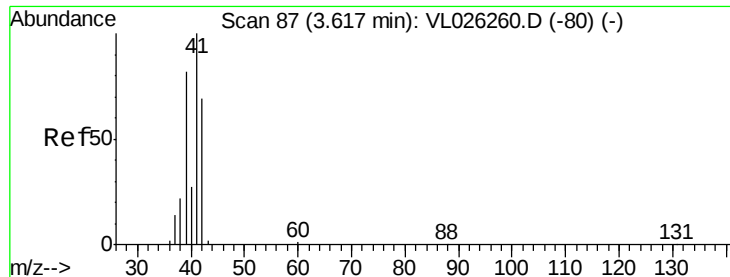
Tgt Ion: 85 Resp: 57648

Ion Ratio Lower Upper

85 100

135 68.6 56.6 84.8





#9

Propene

Concen: 0.55 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

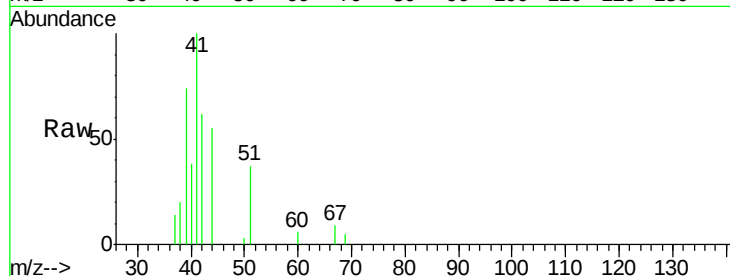
VSTDIC0.5

Tot Ion: 41 Resp: 19255

Ion Ratio Lower Upper

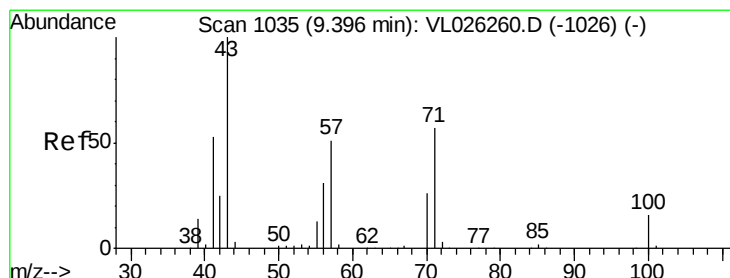
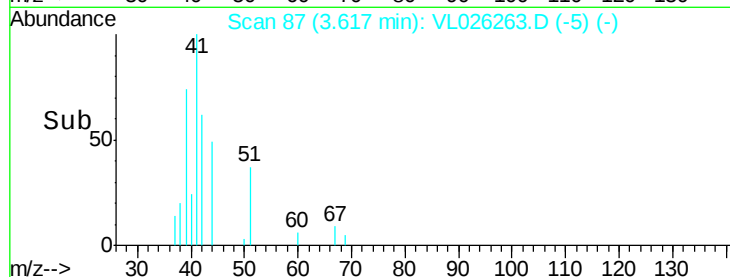
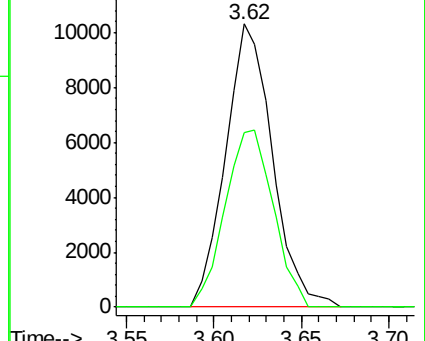
41 100

42 63.9 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: 0.51 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026263.D

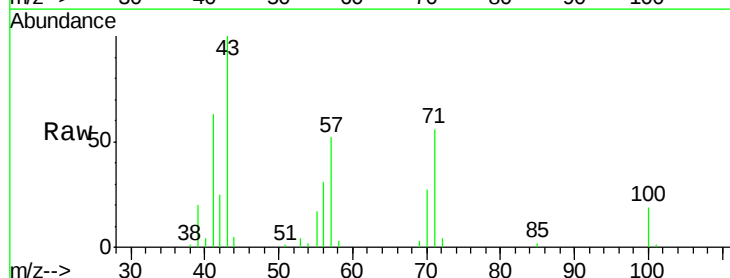
Acq: 29 Oct 2015 11:19

Tgt Ion: 43 Resp: 61325

Ion Ratio Lower Upper

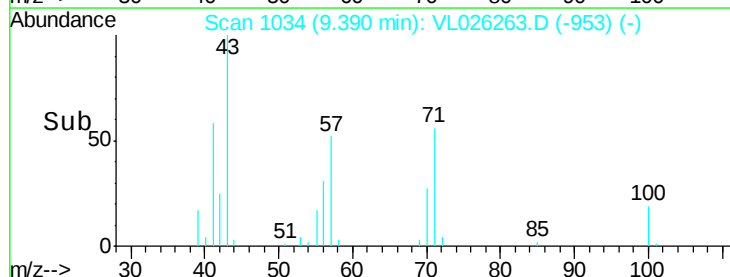
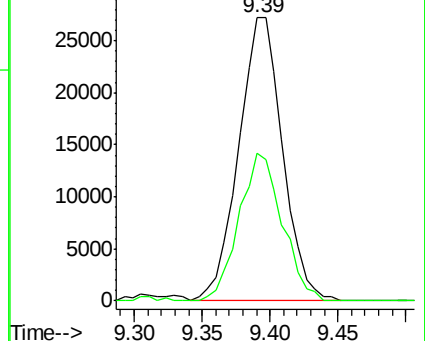
43 100

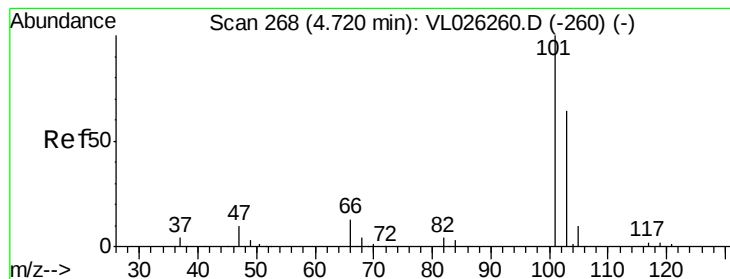
57 52.0 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.53 ppbv

RT: 4.72 min Scan# 268

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

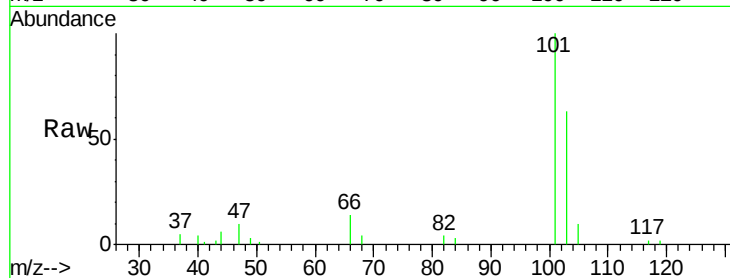
VSTDIC0.5

Tot Ion:101 Resp: 62953

Ion Ratio Lower Upper

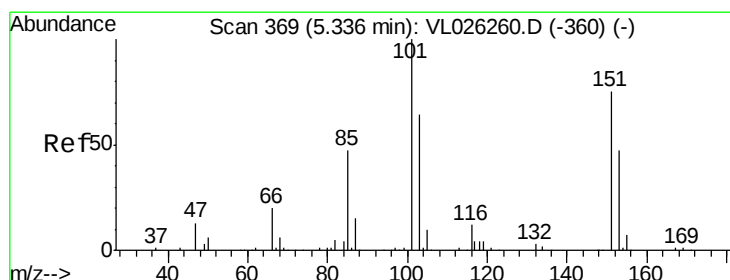
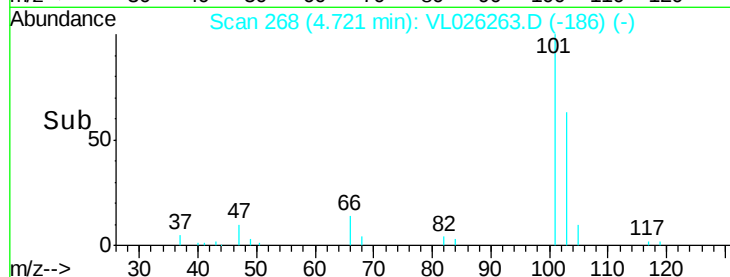
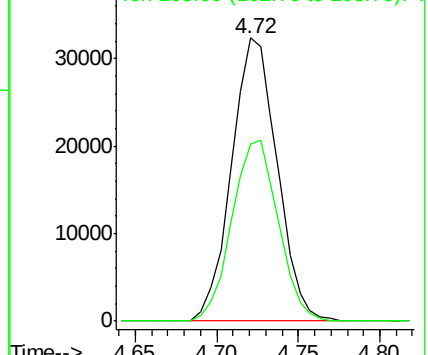
101 100

103 62.8 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: 0.53 ppbv

RT: 5.34 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL026263.D

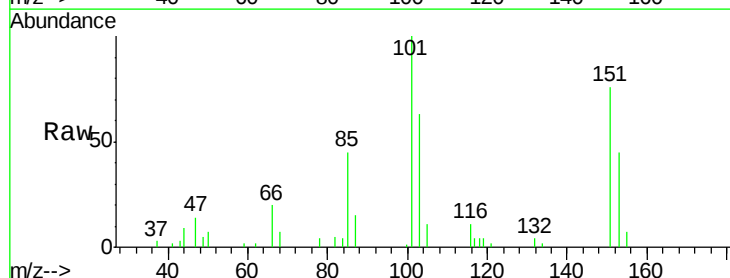
Acq: 29 Oct 2015 11:19

Tgt Ion:101 Resp: 42639

Ion Ratio Lower Upper

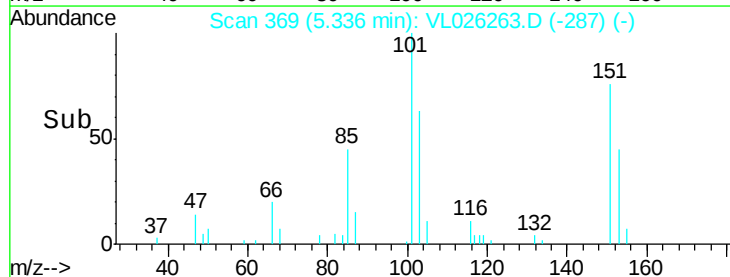
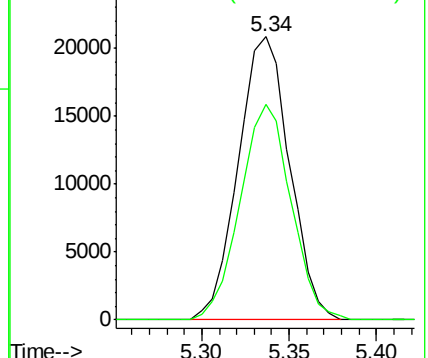
101 100

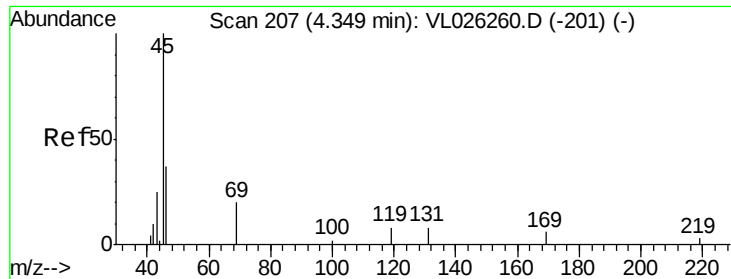
151 75.4 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

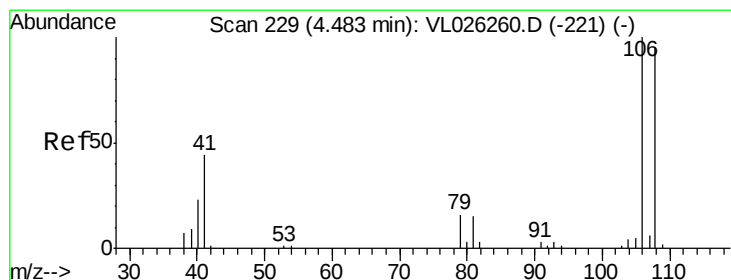
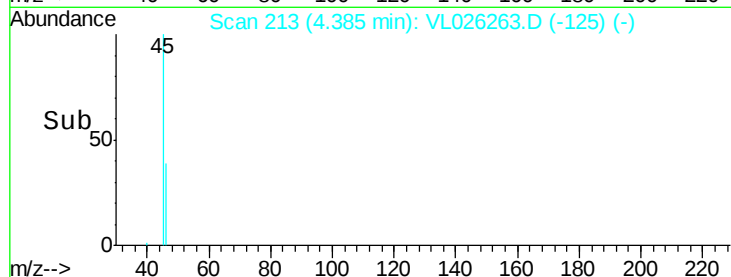
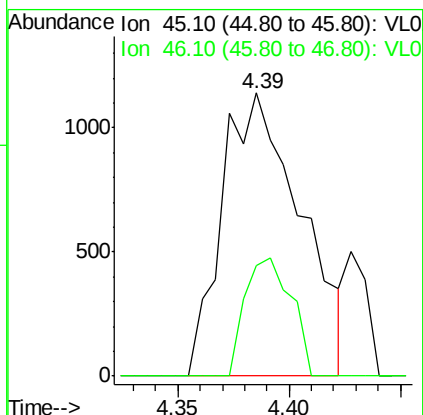
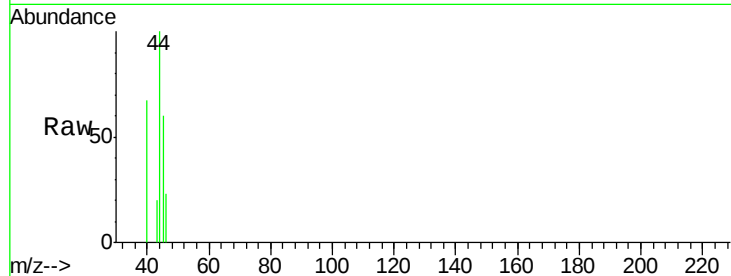




#13
Ethanol
Concen: 0.57 ppbv
RT: 4.39 min Scan# 213
Delta R.T. 0.04 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

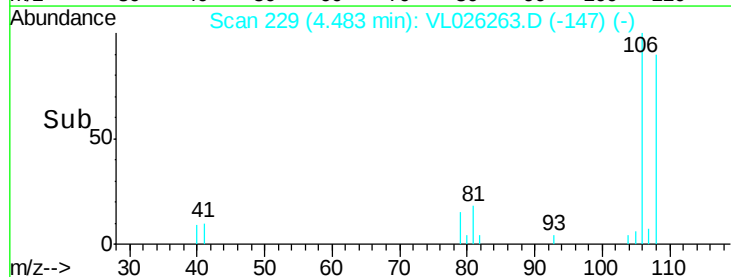
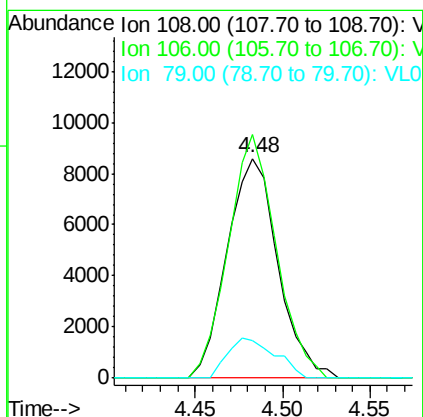
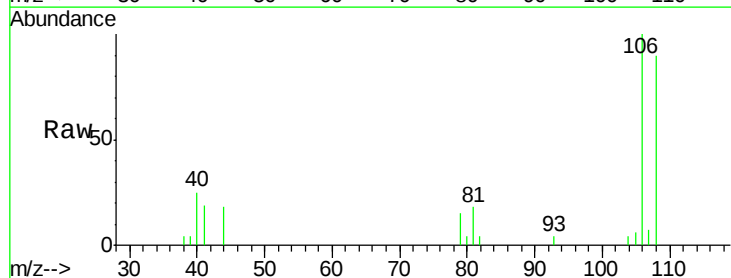
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

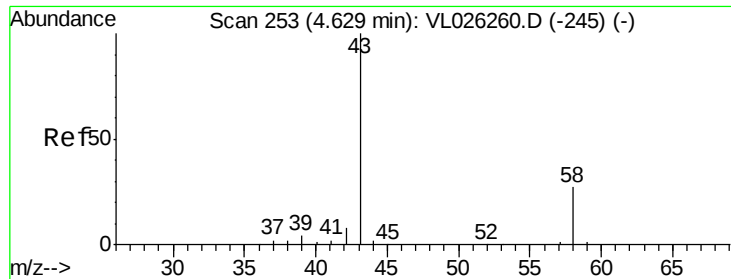
Tot Ion: 45 Resp: 2803
Ion Ratio Lower Upper
45 100
46 24.6 17.0 68.0



#14
Bromoethene
Concen: 0.52 ppbv
RT: 4.48 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 108 Resp: 17373
Ion Ratio Lower Upper
108 100
106 104.0 85.4 128.0
79 17.0 13.5 20.3





#15

Acetone

Concen: 0.53 ppbv

RT: 4.65 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

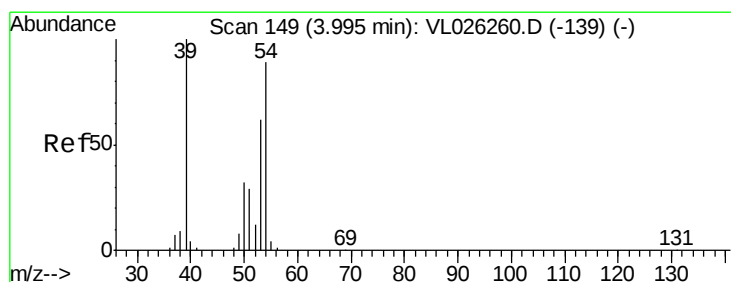
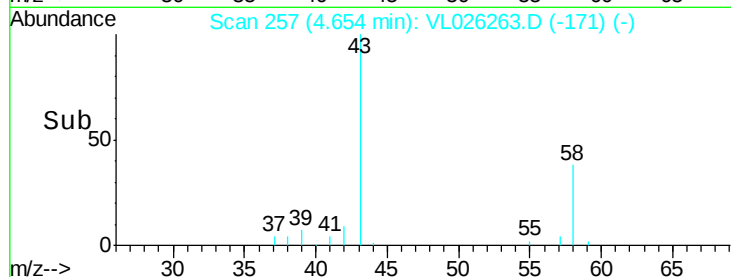
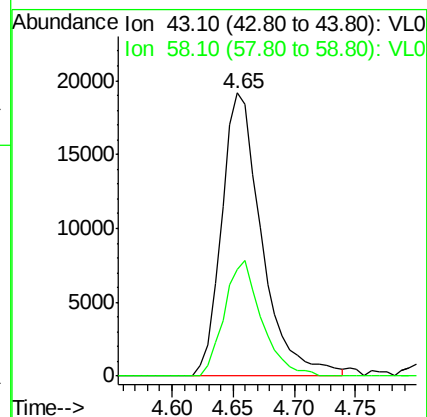
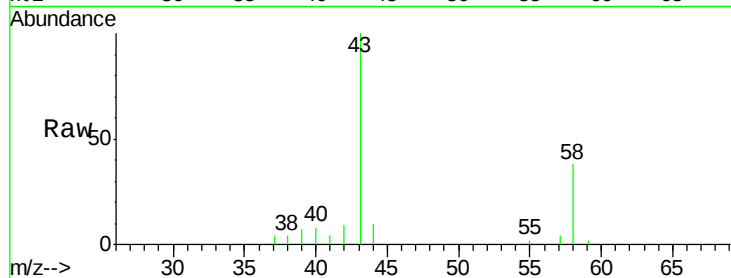
VSTDIC0.5

Tot Ion: 43 Resp: 43731

Ion Ratio Lower Upper

43 100

58 37.9 22.3 33.5#



#16

1,3-Butadiene

Concen: 0.51 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026263.D

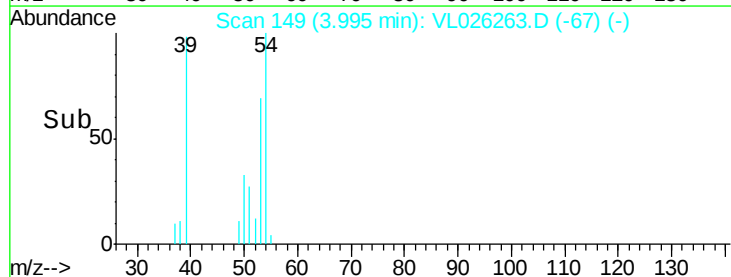
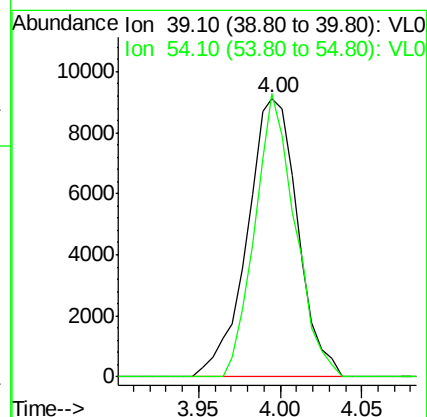
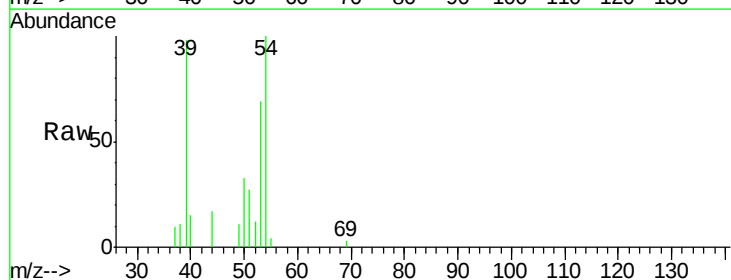
Acq: 29 Oct 2015 11:19

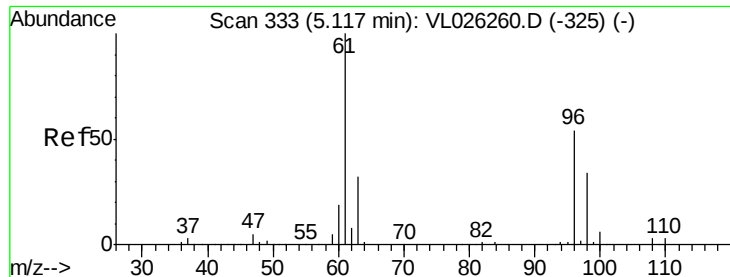
Tgt Ion: 39 Resp: 19635

Ion Ratio Lower Upper

39 100

54 81.2 67.3 100.9





#18

1,1-Dichloroethene

Concen: 0.53 ppbv

RT: 5.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

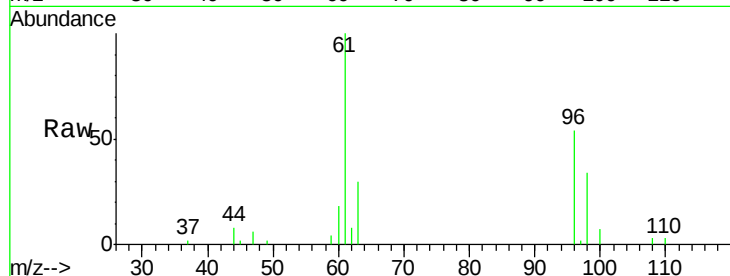
Tot Ion: 96 Resp: 19091

Ion Ratio Lower Upper

96 100

61 182.0 147.0 220.4

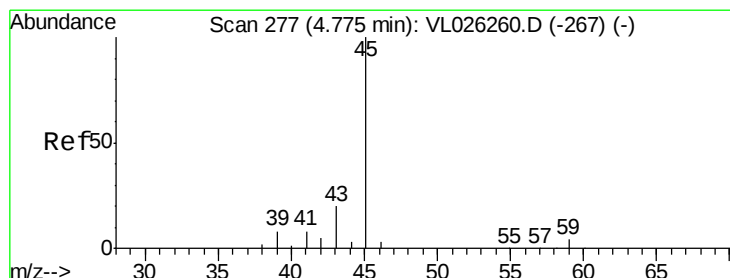
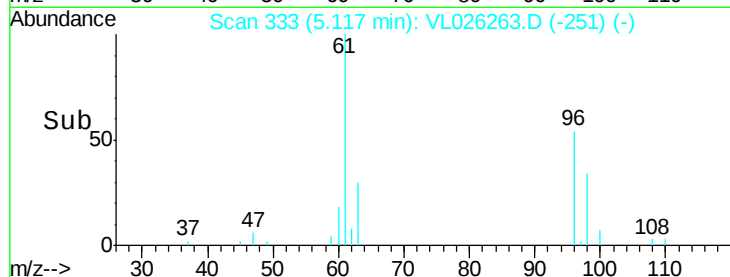
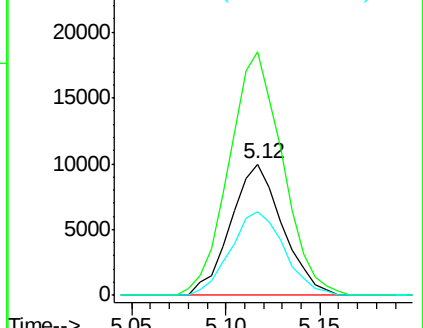
98 63.4 50.1 75.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 0.46 ppbv

RT: 4.82 min Scan# 284

Delta R.T. 0.04 min

Lab File: VL026263.D

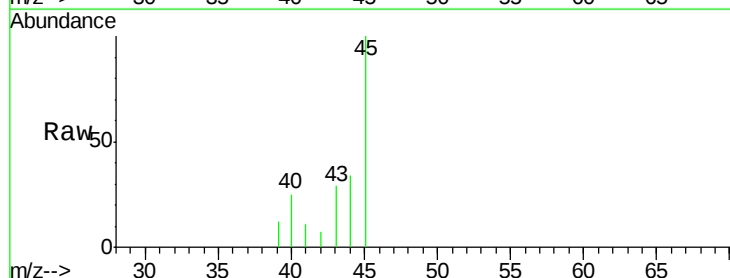
Acq: 29 Oct 2015 11:19

Tgt Ion: 45 Resp: 15012

Ion Ratio Lower Upper

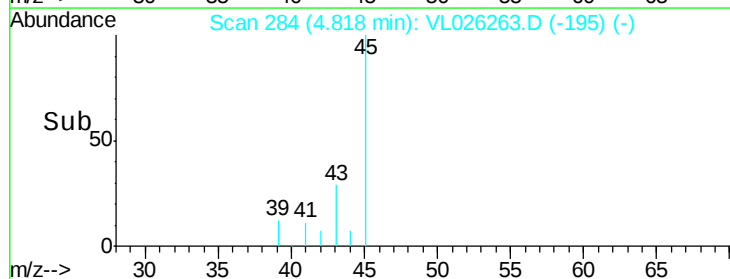
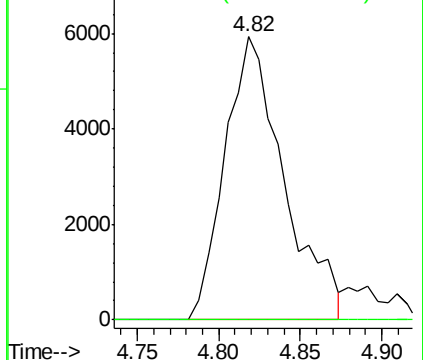
45 100

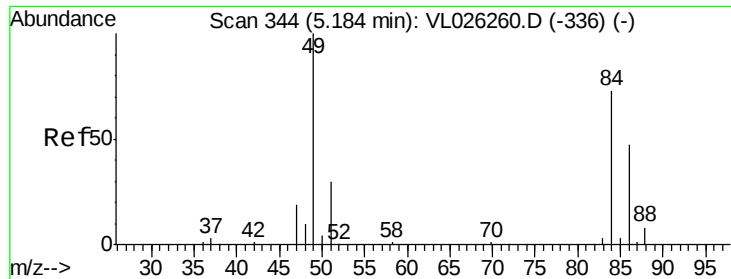
58 110.5 43.8 65.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

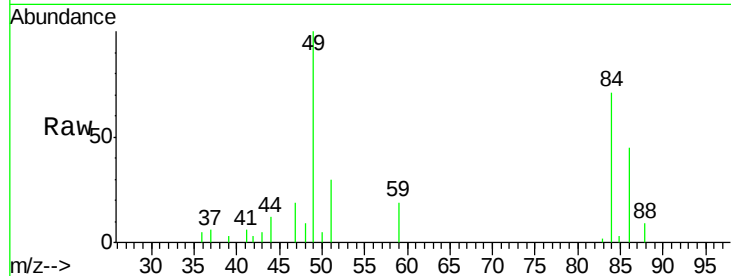




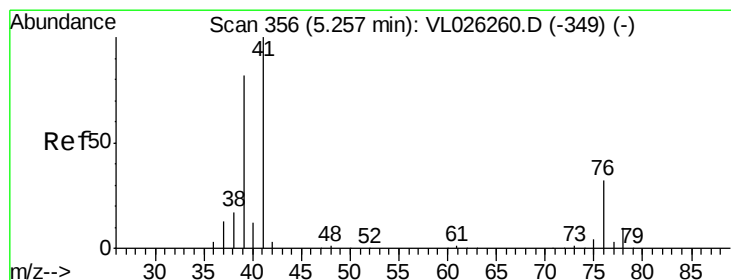
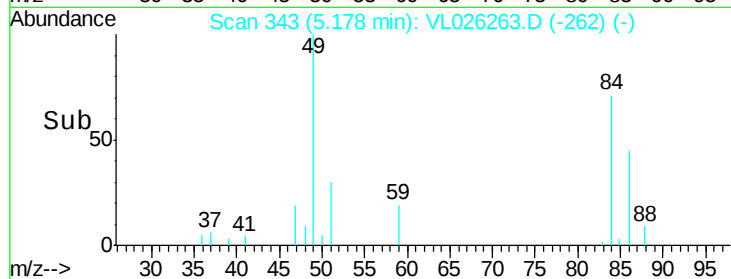
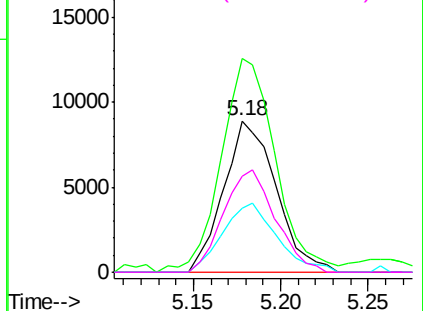
#20
Methylene Chloride
Concen: 0.55 ppbv
RT: 5.18 min Scan# 343
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:	84	Resp:	18632
Ion	Ratio	Lower	Upper
84	100		
49	136.4	109.0	163.4
51	42.3	32.8	49.2
86	63.5	50.8	76.2

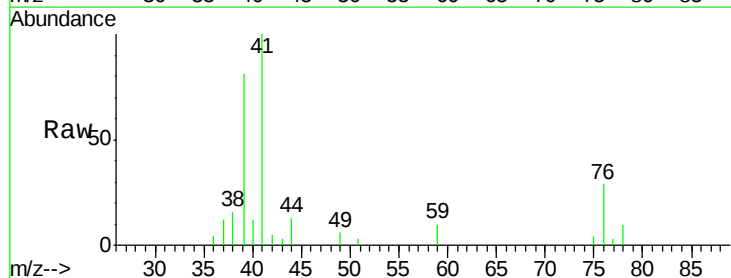


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

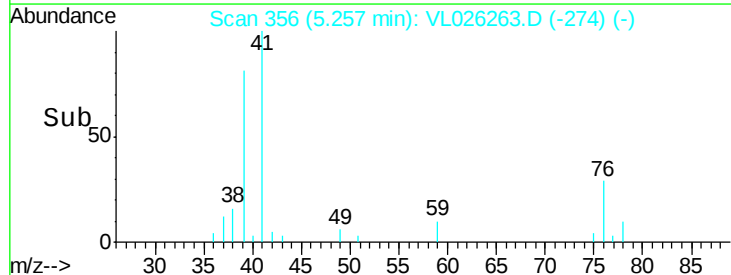
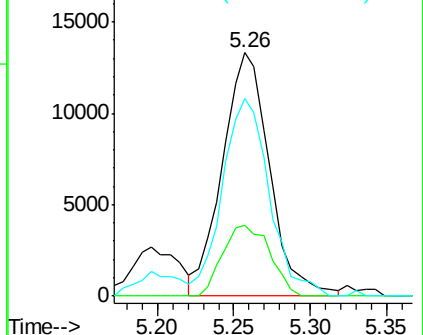


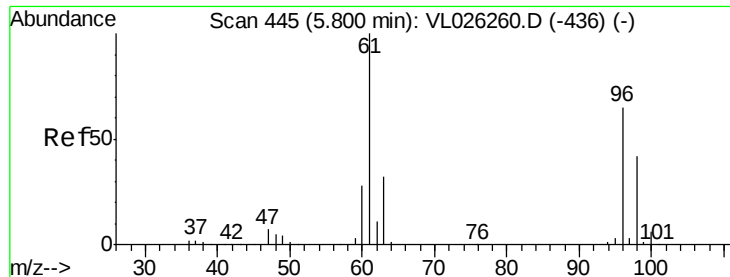
#21
Allyl Chloride
Concen: 0.51 ppbv
RT: 5.26 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion:	41	Resp:	28501
Ion	Ratio	Lower	Upper
41	100		
76	28.9	25.9	38.9
39	89.9	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: 0.51 ppbv

RT: 5.79 min Scan# 444

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

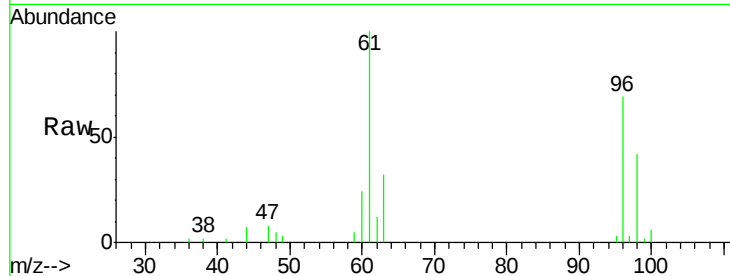
Tot Ion: 96 Resp: 24354

Ion Ratio Lower Upper

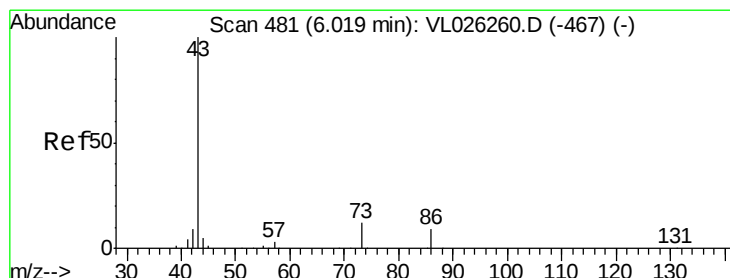
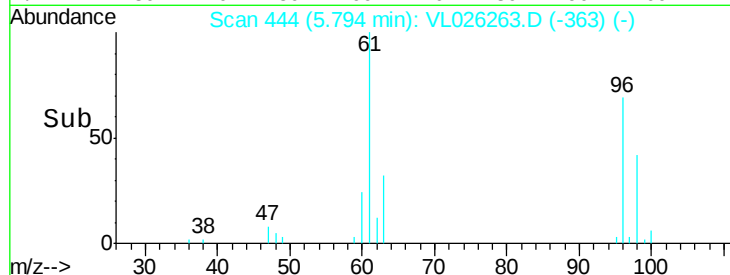
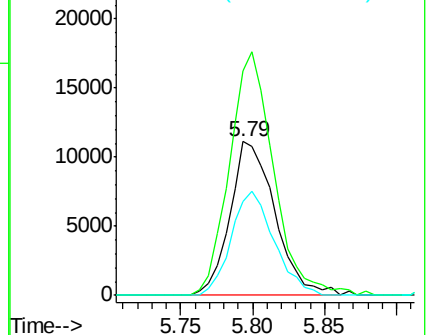
96 100

61 145.6 123.2 184.8

98 61.0 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: 0.46 ppbv

RT: 6.03 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion: 43 Resp: 71041

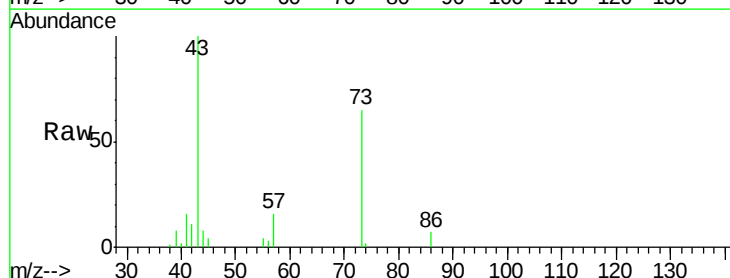
Ion Ratio Lower Upper

43 100

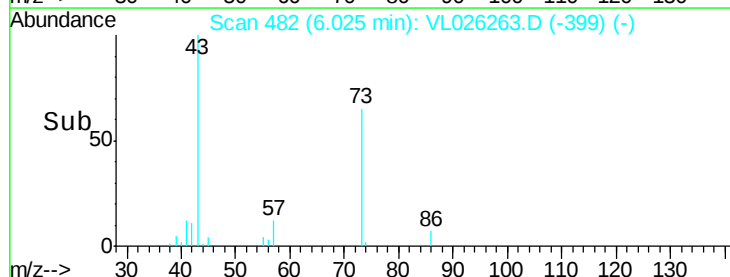
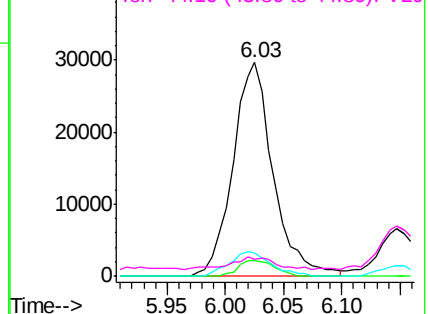
86 7.0 7.3 10.9#

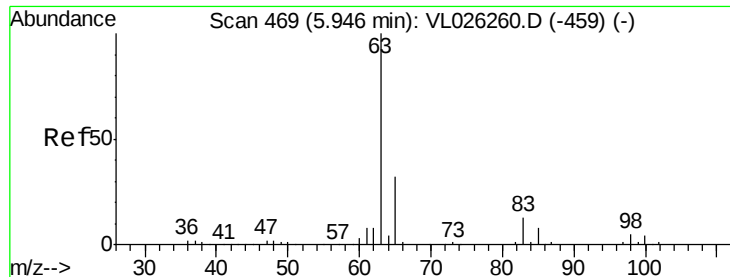
42 11.1 7.2 10.8#

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: 0.52 ppbv

RT: 5.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

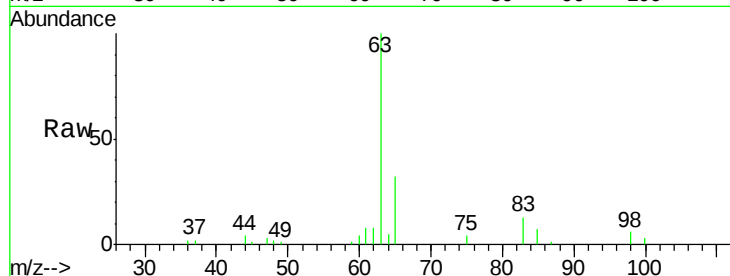
Tot Ion: 63 Resp: 52828

Ion Ratio Lower Upper

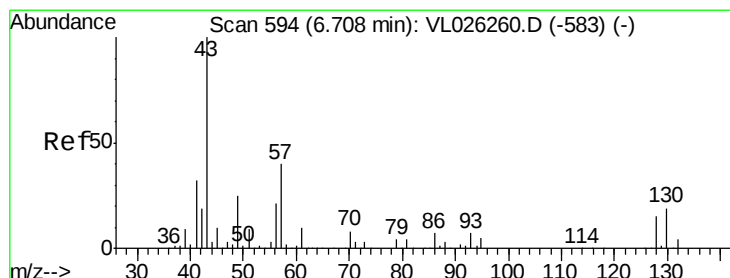
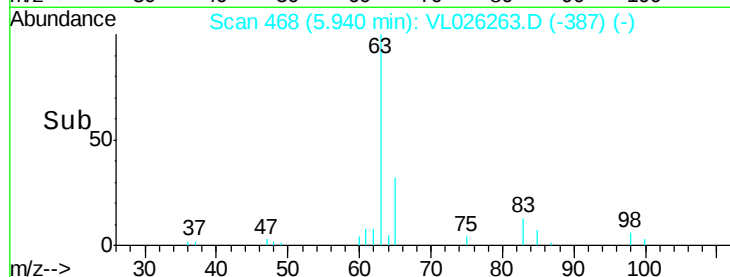
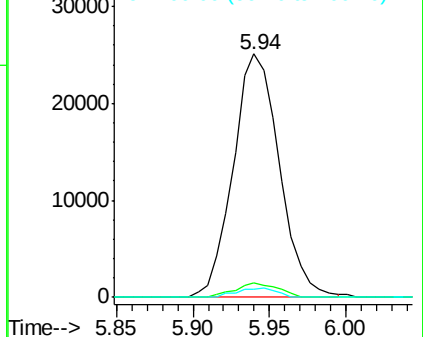
63 100

98 6.1 2.7 8.1

100 3.3 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: 0.52 ppbv

RT: 6.73 min Scan# 597

Delta R.T. 0.02 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Tgt Ion: 43 Resp: 83542

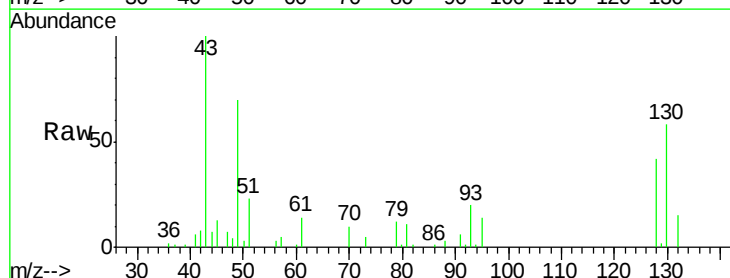
Ion Ratio Lower Upper

43 100

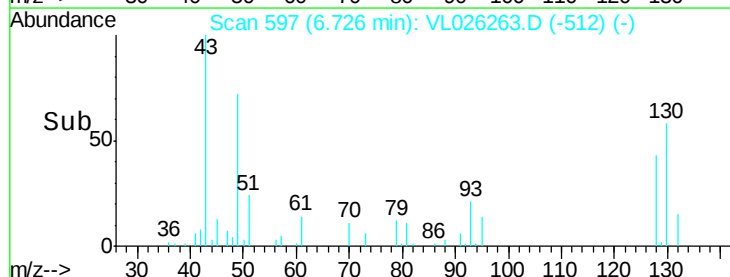
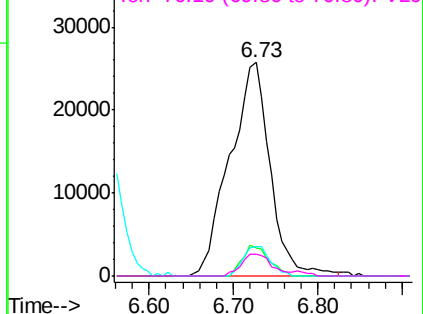
45 9.3 7.6 11.4

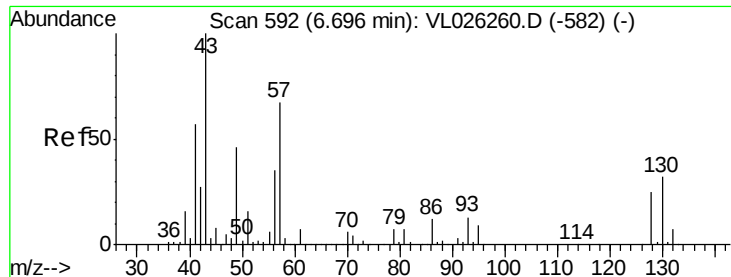
61 9.1 7.4 11.2

70 8.4 6.7 10.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

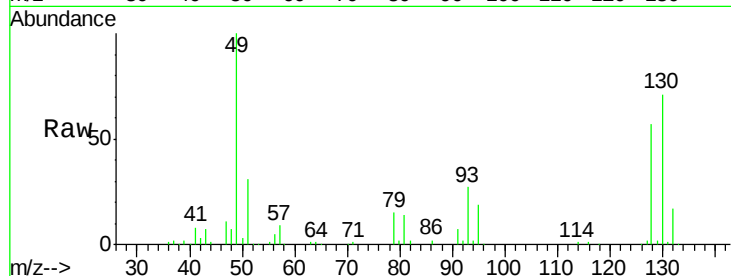




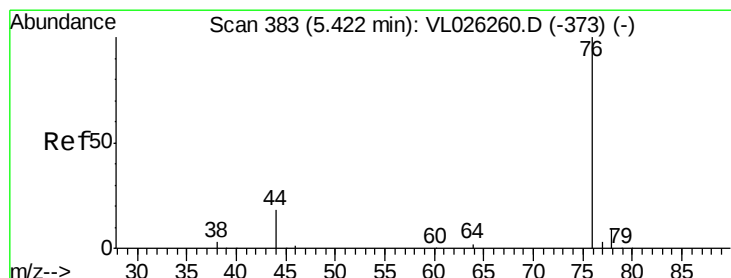
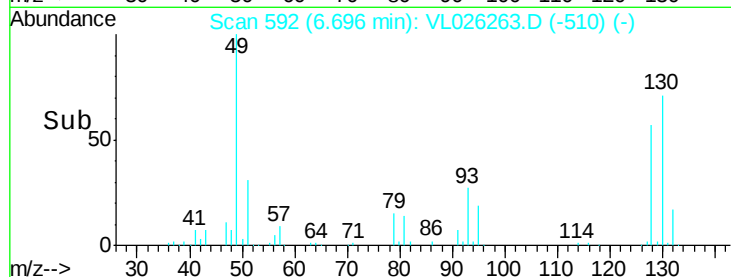
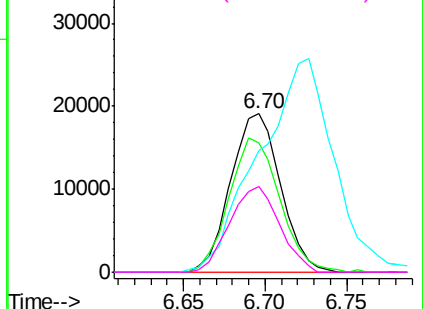
#26
Hexane
Concen: 0.51 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 57 Resp: 40631
Ion Ratio Lower Upper
57 100
41 86.4 67.4 101.2
43 206.8 163.9 245.9
56 54.1 42.2 63.2

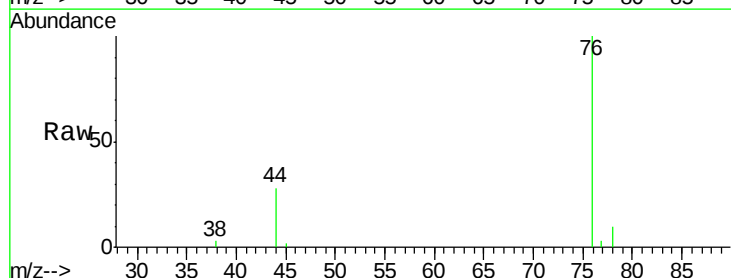


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

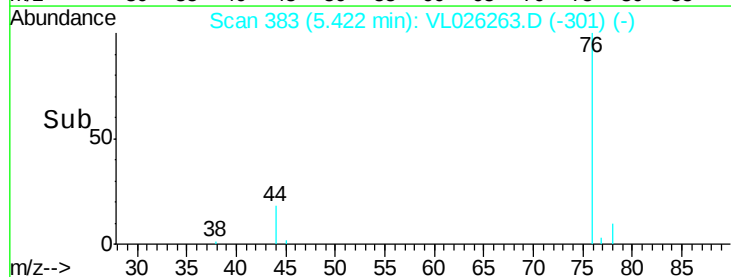
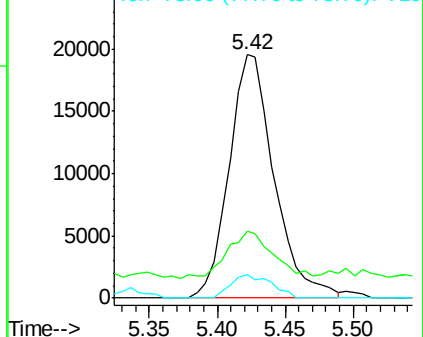


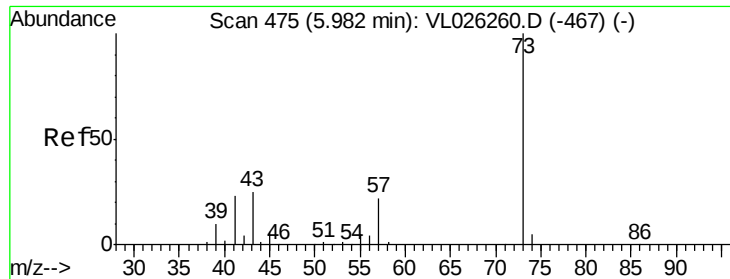
#27
Carbon Disulfide
Concen: 0.46 ppbv
RT: 5.42 min Scan# 383
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 76 Resp: 45167
Ion Ratio Lower Upper
76 100
44 29.5 14.1 21.1#
78 8.7 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

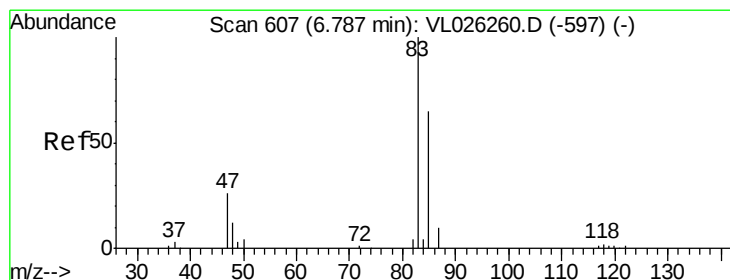
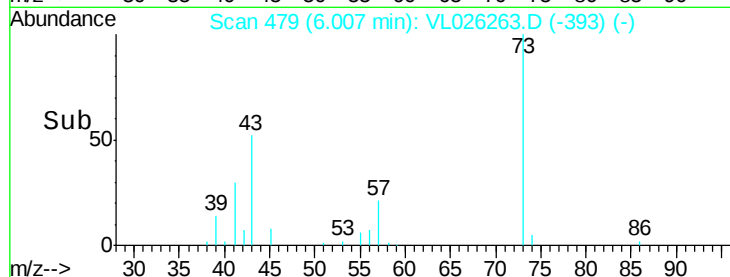
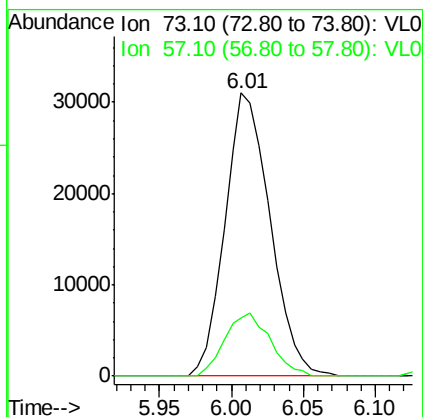
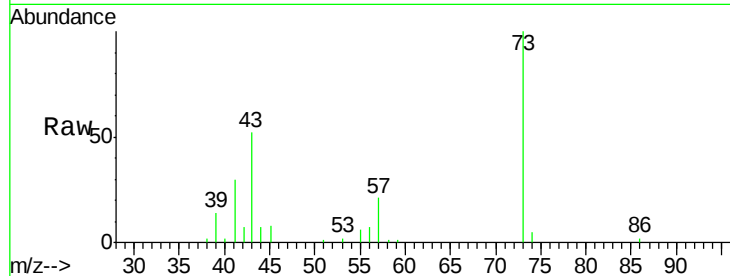




#28
Methvl tert-Butvl Ether
Concen: 0.47 ppbv
RT: 6.01 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

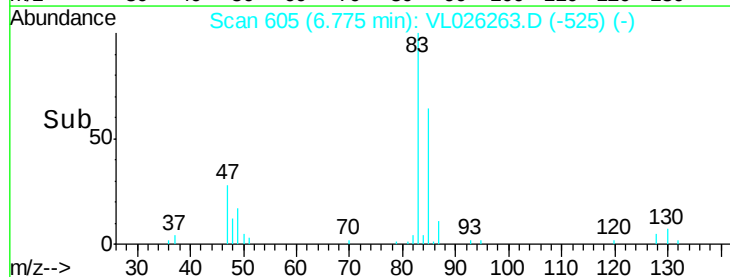
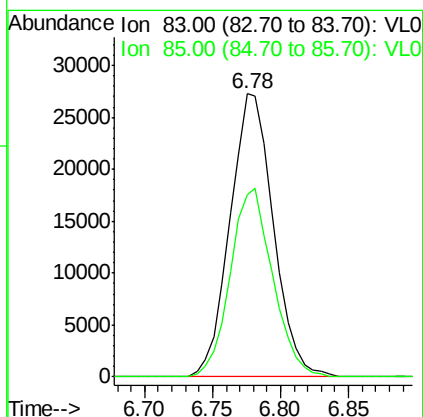
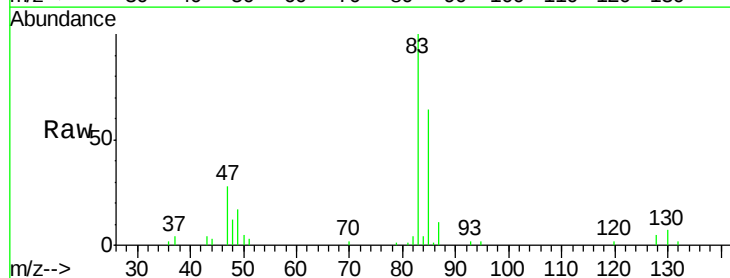
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

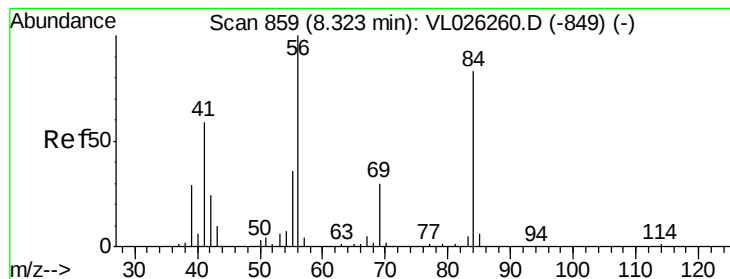
Tot Ion: 73 Resp: 67622
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.6



#29
Chloroform
Concen: 0.52 ppbv
RT: 6.78 min Scan# 605
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 83 Resp: 60646
Ion Ratio Lower Upper
83 100
85 64.4 52.0 78.0





#30

Cvclohexane

Concen: 0.48 ppbv

RT: 8.32 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

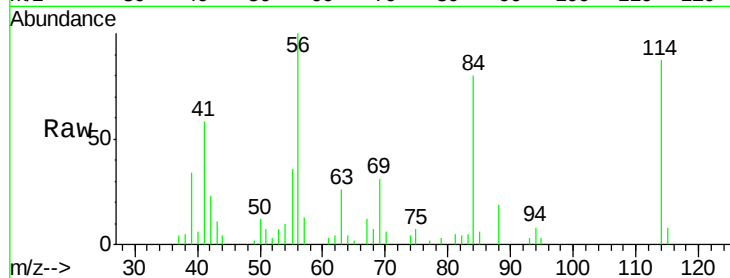
Tot Ion: 84 Resp: 38584

Ion Ratio Lower Upper

84 100

56 199.3 99.6 149.4#

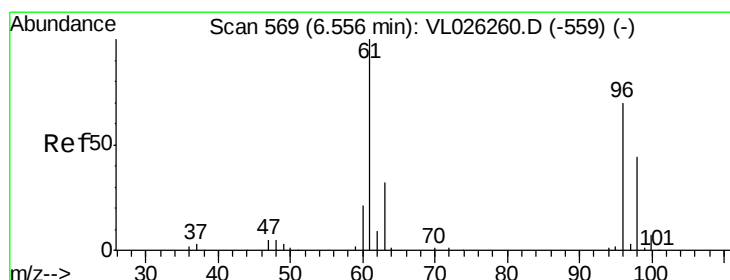
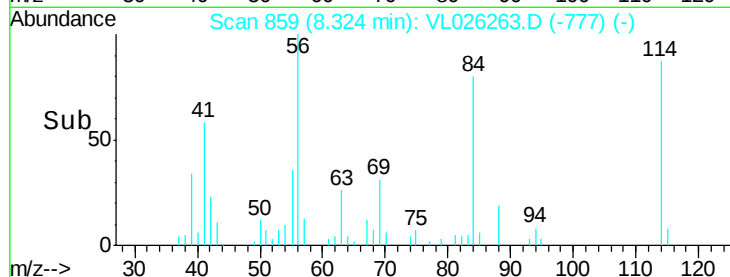
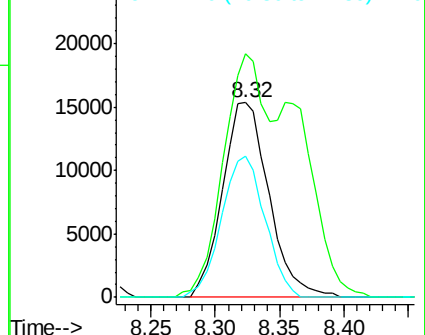
41 67.9 56.7 85.1



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.48 ppbv

RT: 6.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

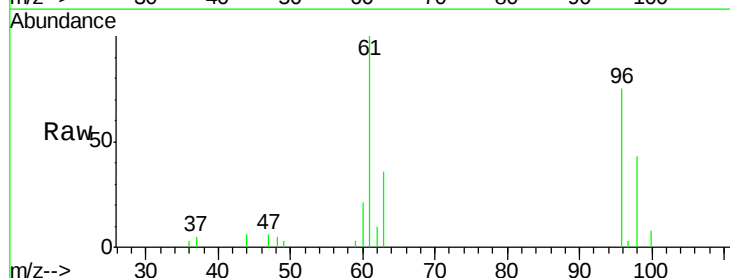
Tgt Ion: 61 Resp: 35578

Ion Ratio Lower Upper

61 100

96 75.1 56.2 84.4

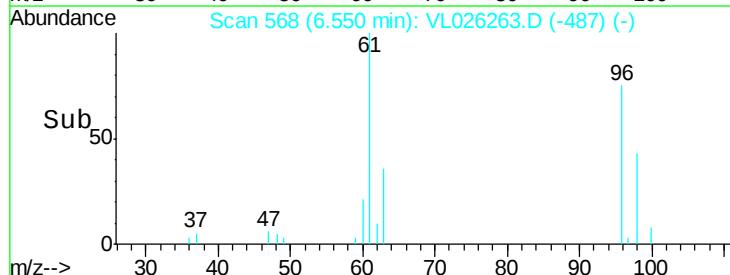
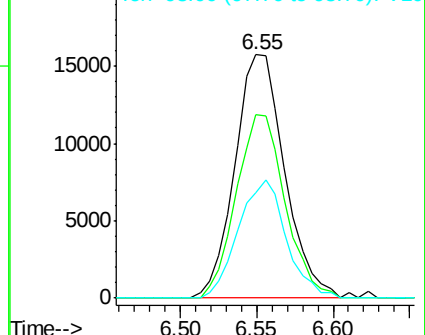
98 43.4 35.4 53.2

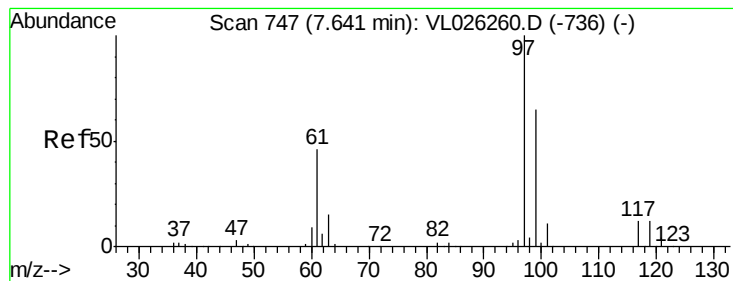


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.46 ppbv

RT: 7.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

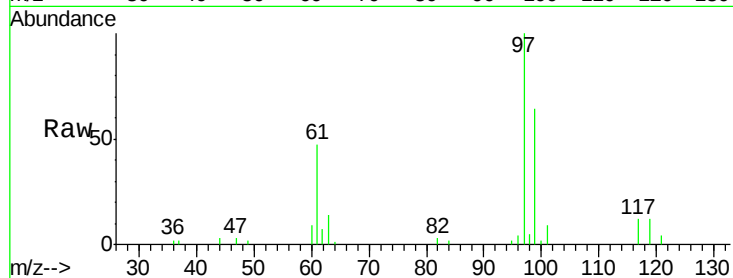
Tot Ion: 97 Resp: 58420

Ion Ratio Lower Upper

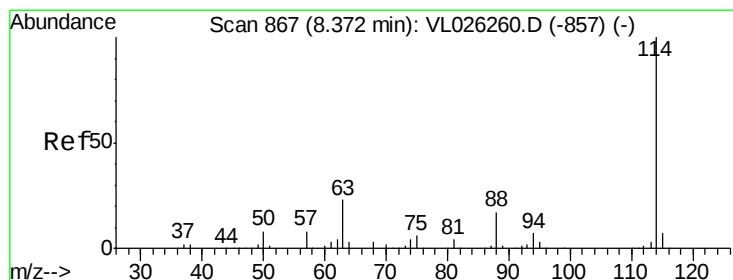
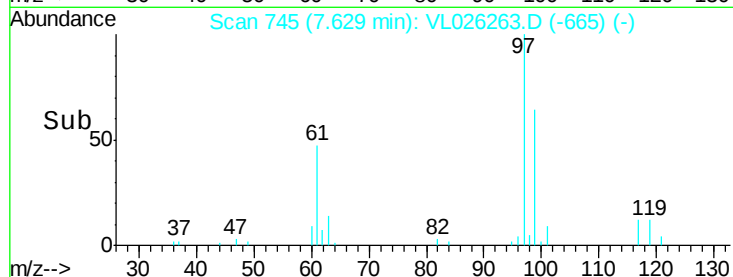
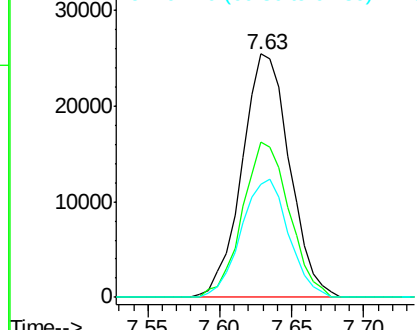
97 100

99 62.7 51.0 76.6

61 48.2 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: VL026263.D

Acq: 29 Oct 2015 11:19

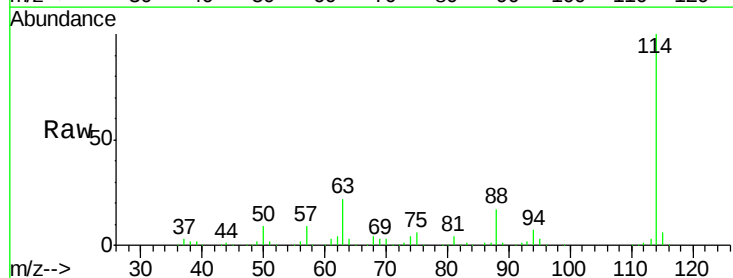
Tgt Ion: 114 Resp: 1622290

Ion Ratio Lower Upper

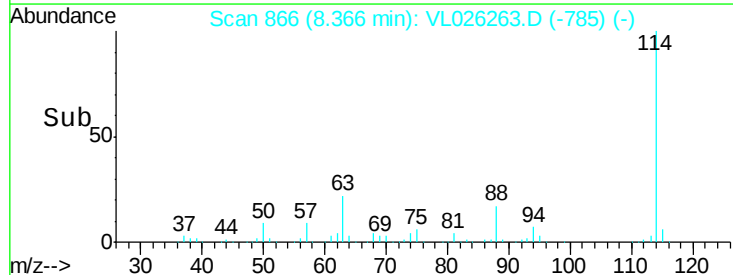
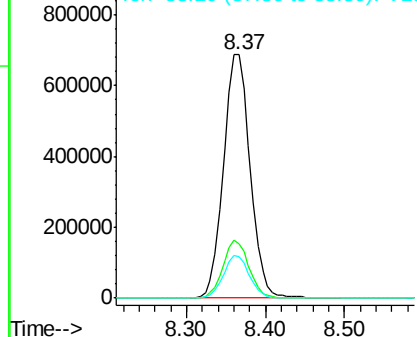
114 100

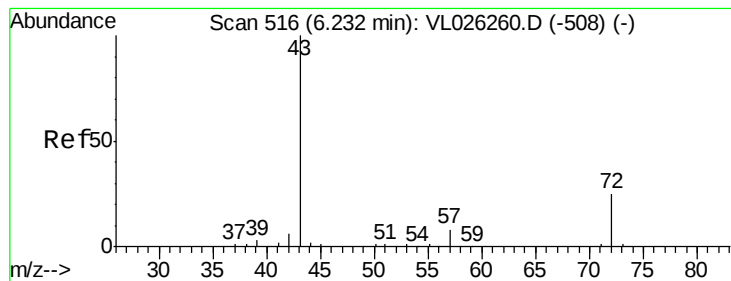
63 23.2 18.6 28.0

88 17.1 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: 0.55 ppbv

RT: 6.26 min Scan# 520

Delta R.T. 0.02 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

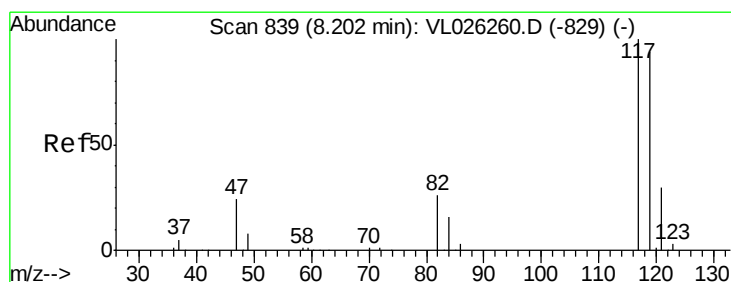
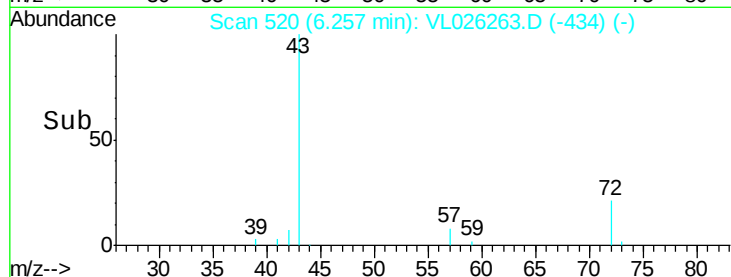
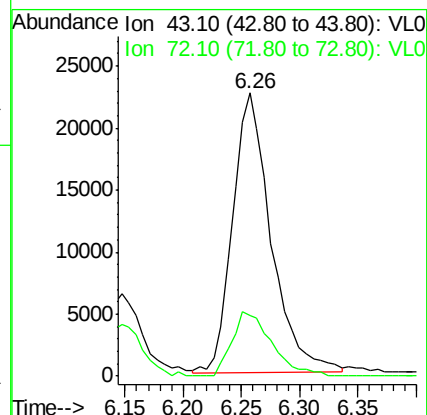
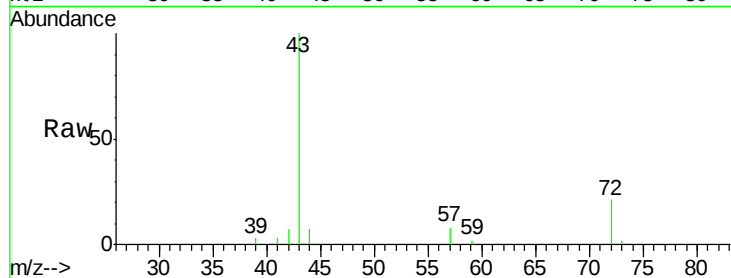
VSTDIC0.5

Tot Ion: 43 Resp: 52113

Ion Ratio Lower Upper

43 100

72 23.7 19.9 29.9



#35

Carbon Tetrachloride

Concen: 0.46 ppbv

RT: 8.20 min Scan# 839

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

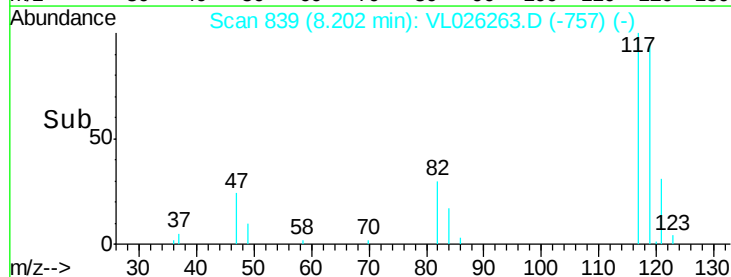
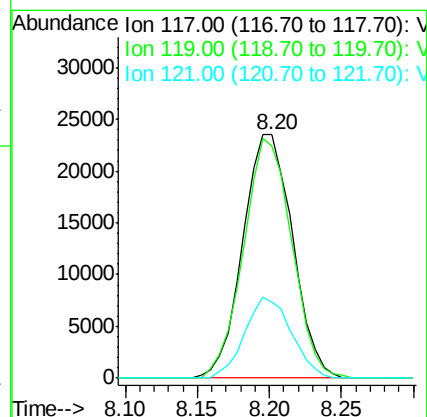
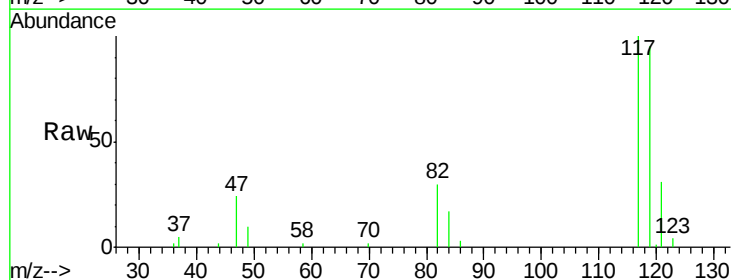
Tgt Ion: 117 Resp: 56400

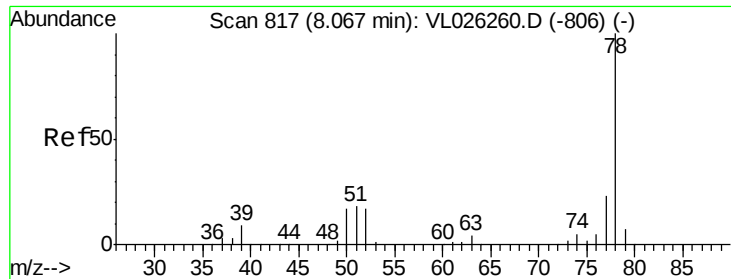
Ion Ratio Lower Upper

117 100

119 95.4 75.2 112.8

121 31.0 24.2 36.2





#36

Benzene

Concen: 0.54 ppbv

RT: 8.06 min Scan# 816

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

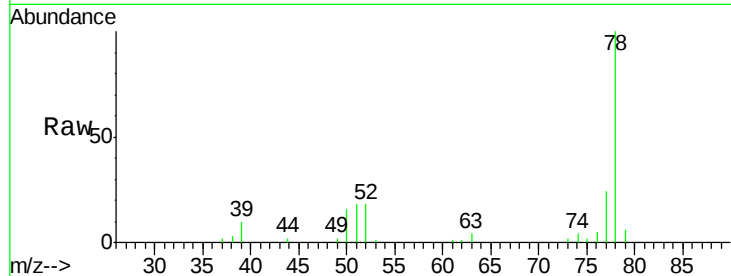
Tot Ion: 78 Resp: 91122

Ion Ratio Lower Upper

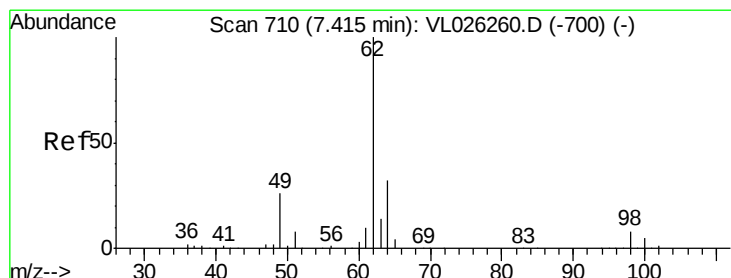
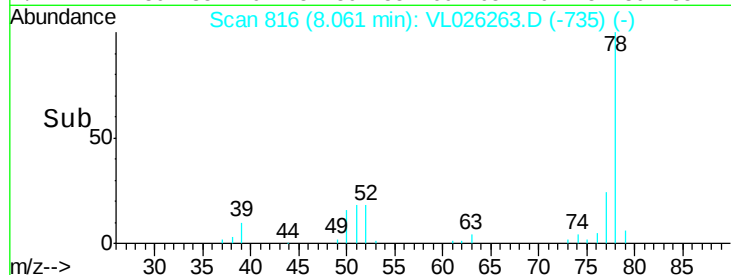
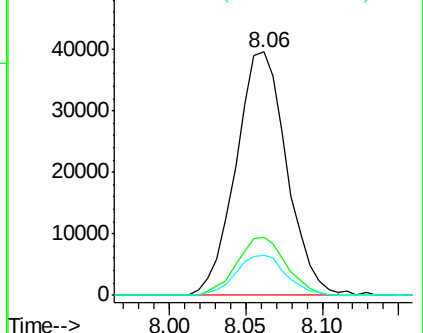
78 100

77 23.9 18.0 27.0

50 16.2 13.3 19.9



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.53 ppbv

RT: 7.41 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL026263.D

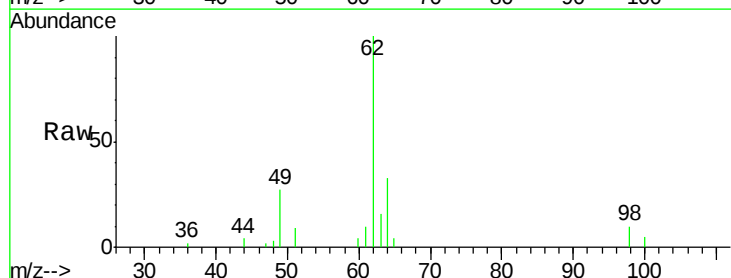
Acq: 29 Oct 2015 11:19

Tgt Ion: 62 Resp: 46707

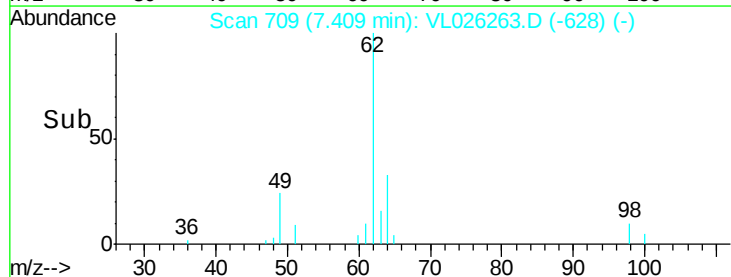
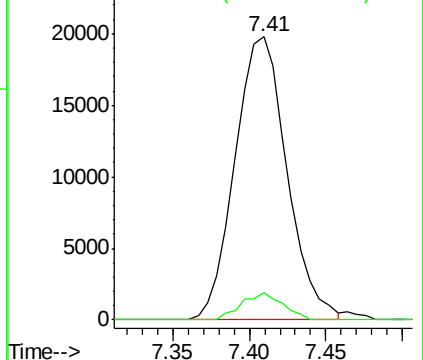
Ion Ratio Lower Upper

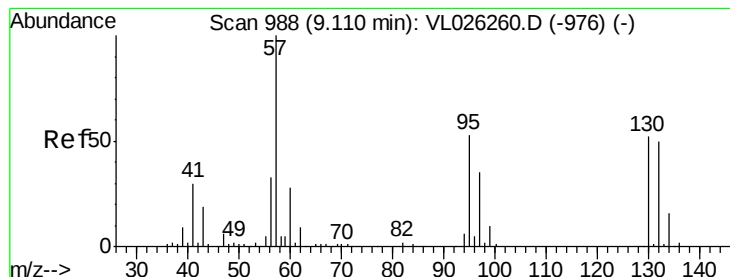
62 100

98 7.6 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: 0.48 ppbv

RT: 9.10 min Scan# 987

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 38608

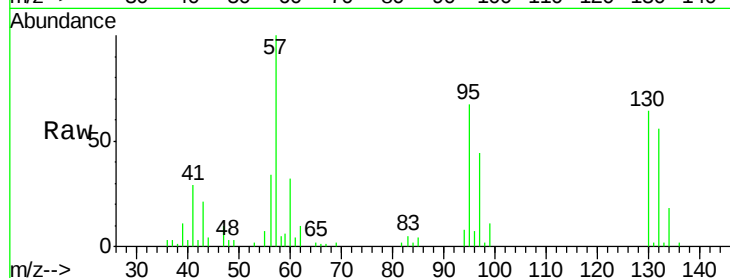
Ion Ratio Lower Upper

130 100

95 104.0 80.8 121.2

132 88.2 76.2 114.2

97 68.2 53.0 79.6

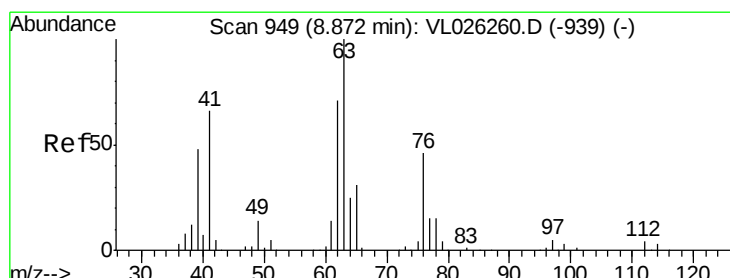
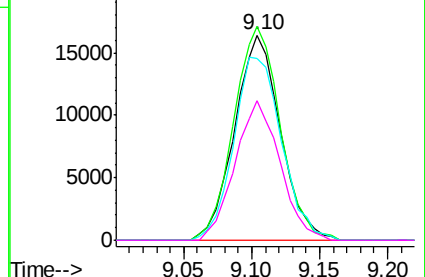
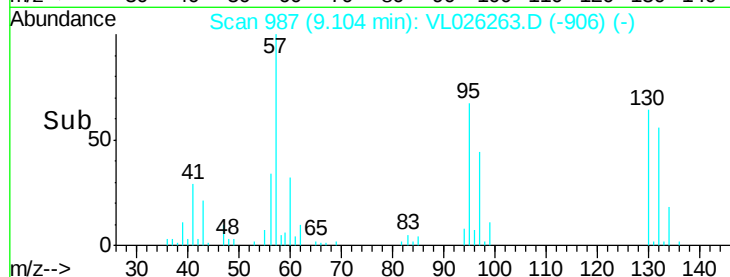


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.55 ppbv

RT: 8.87 min Scan# 948

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

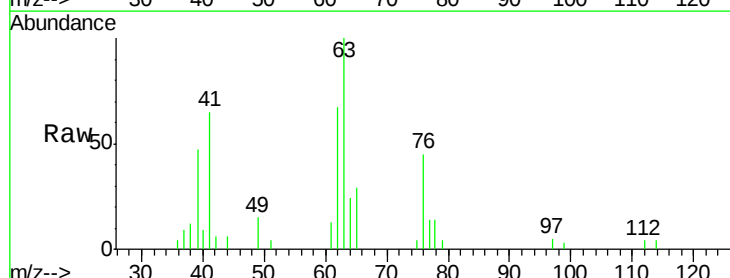
Tgt Ion: 63 Resp: 33664

Ion Ratio Lower Upper

63 100

41 64.7 53.2 79.8

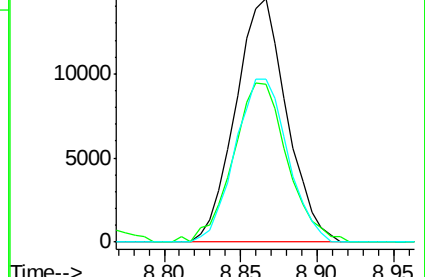
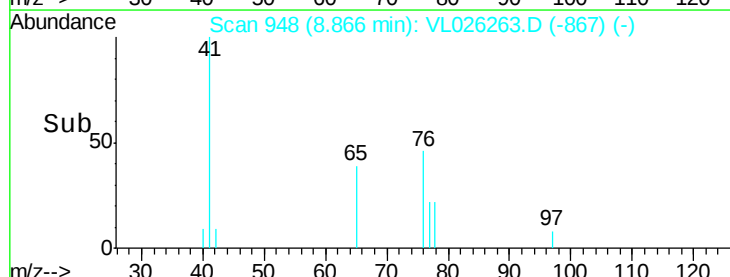
62 67.0 57.1 85.7

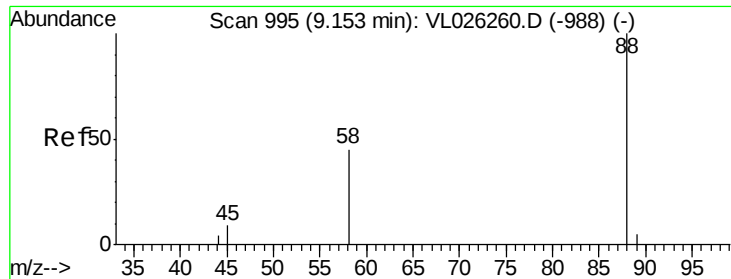


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

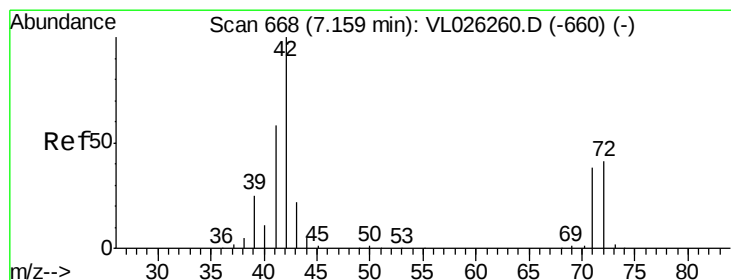
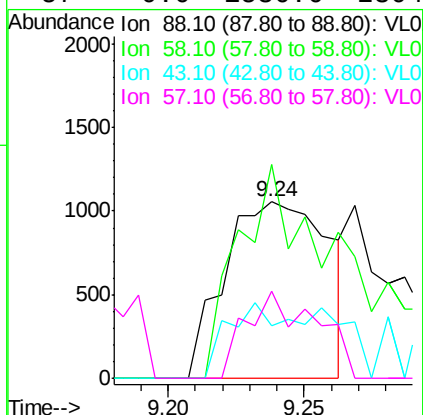
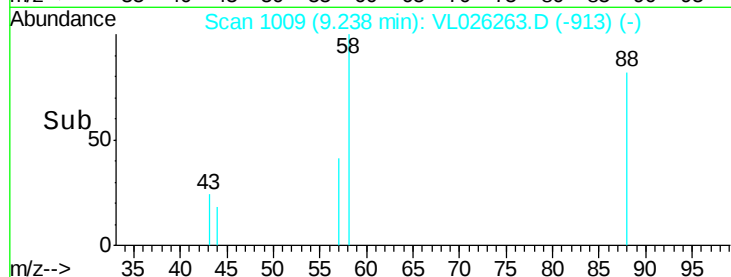
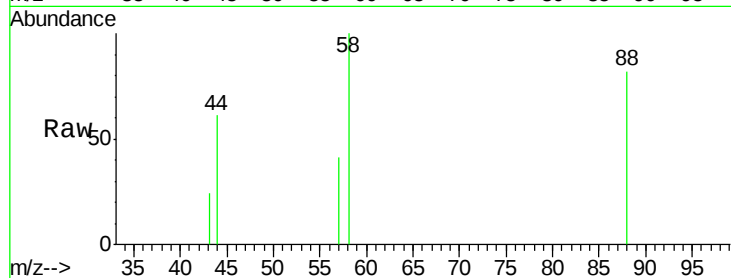




#40
1,4-Dioxane
Concen: 0.29 ppbv
RT: 9.24 min Scan# 1009
Delta R.T. 0.09 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

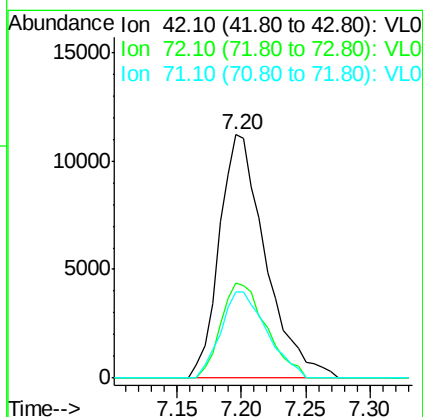
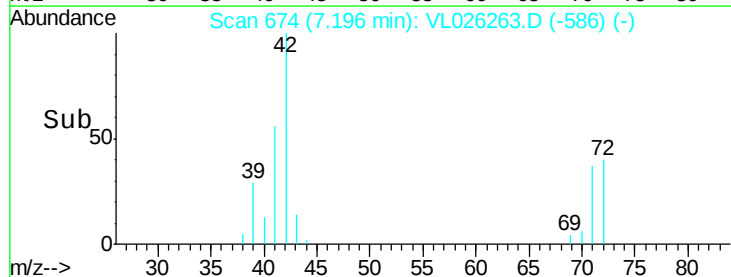
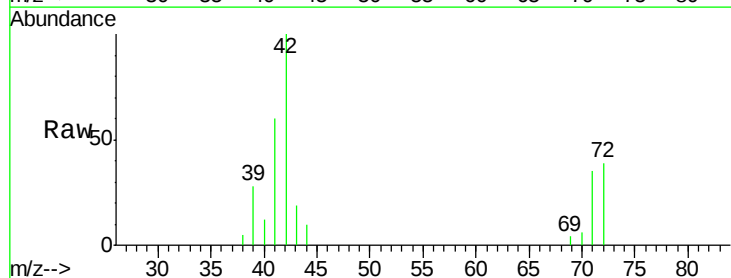
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

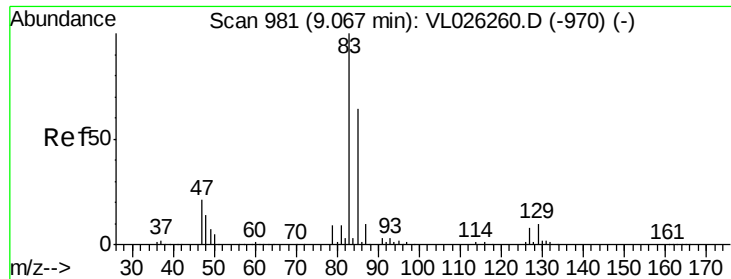
Tot Ion: 88 Resp: 2793
Ion Ratio Lower Upper
88 100
58 161.9 126.2 189.2
43 0.0 307.3 460.9#
57 0.0 1536.6 2304.8#



#41
Tetrahydrofuran
Concen: 0.50 ppbv
RT: 7.20 min Scan# 674
Delta R.T. 0.04 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 42 Resp: 28005
Ion Ratio Lower Upper
42 100
72 38.3 32.2 48.4
71 35.3 30.4 45.6





#42

Bromodichloromethane

Concen: 0.48 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

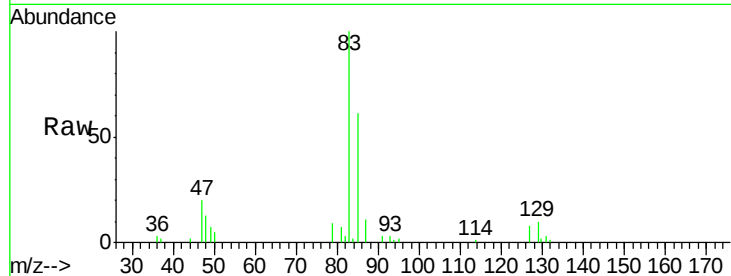
Tot Ion: 83 Resp: 58299

Ion Ratio Lower Upper

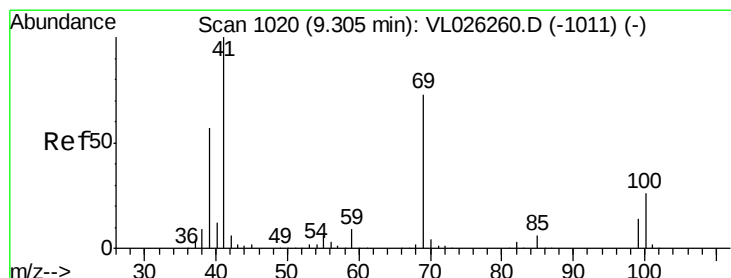
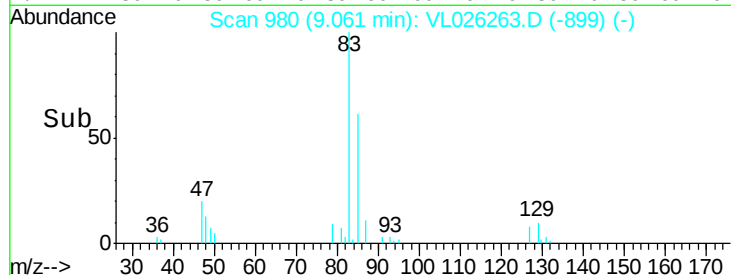
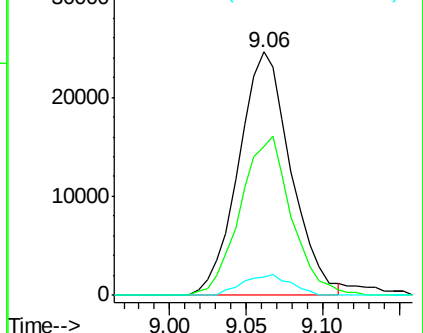
83 100

85 61.1 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): VL0



#43

Methyl Methacrylate

Concen: 0.47 ppbv

RT: 9.32 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

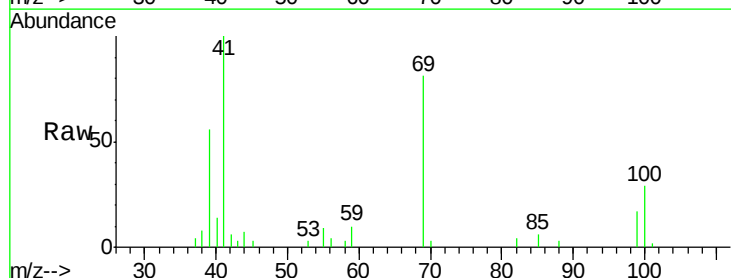
Tgt Ion: 69 Resp: 28972

Ion Ratio Lower Upper

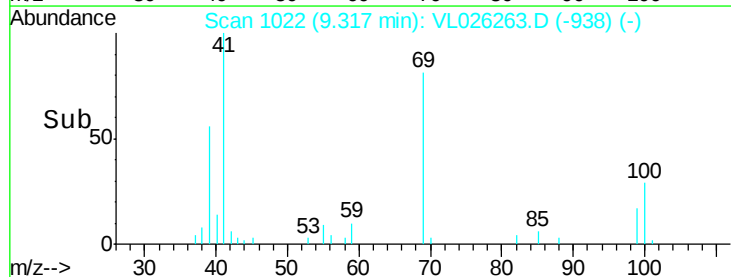
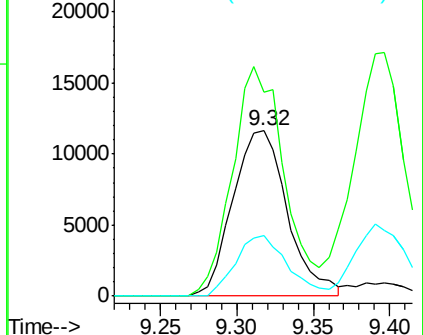
69 100

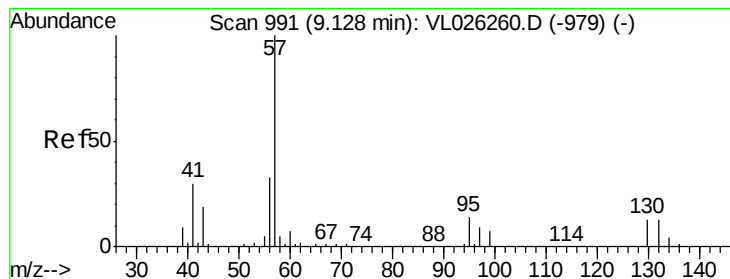
41 129.0 110.0 165.0

100 33.4 28.6 43.0



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.54 ppbv

RT: 9.13 min Scan# 991

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

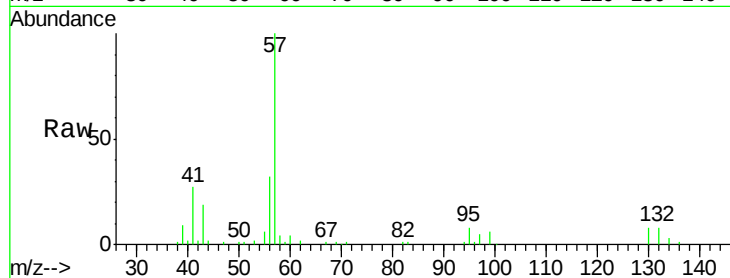
Tot Ion: 57 Resp: 150992

Ion Ratio Lower Upper

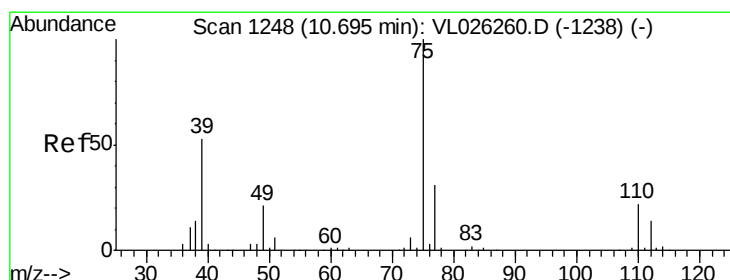
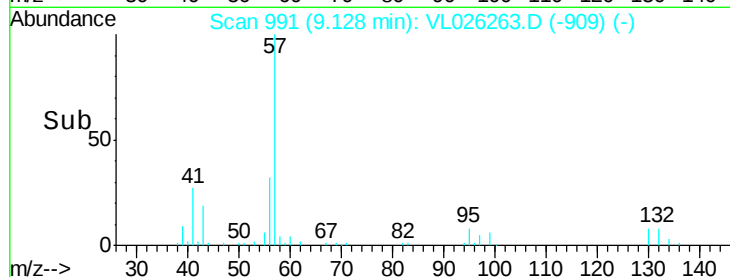
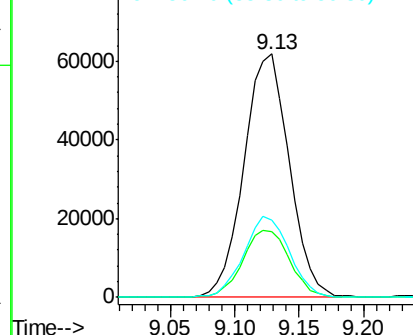
57 100

41 28.7 23.1 34.7

56 33.4 26.3 39.5



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 0.40 ppbv

RT: 10.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VL026263.D

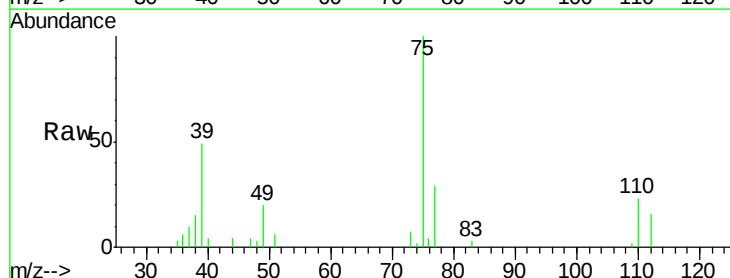
Acq: 29 Oct 2015 11:19

Tgt Ion: 75 Resp: 36213

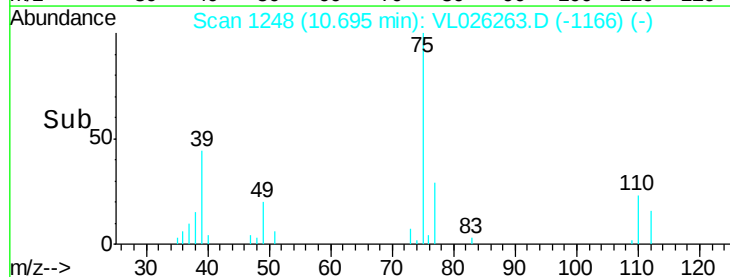
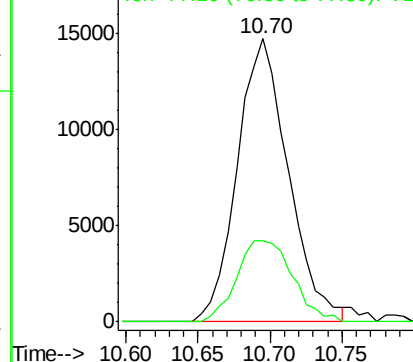
Ion Ratio Lower Upper

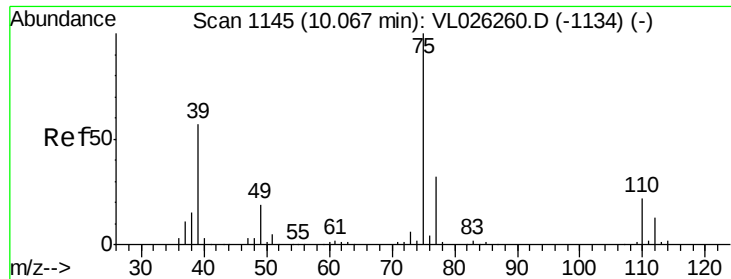
75 100

77 28.8 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

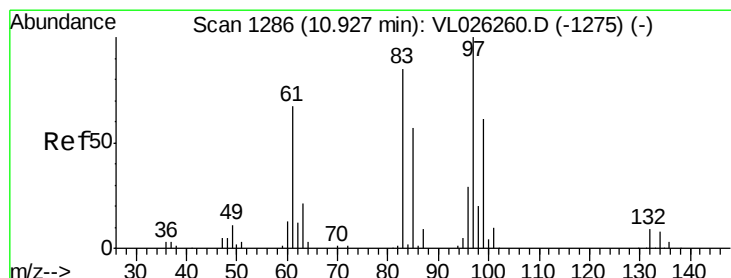
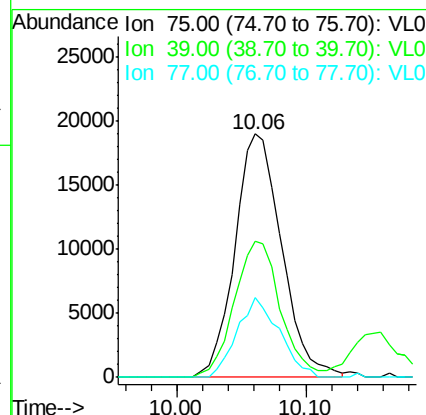
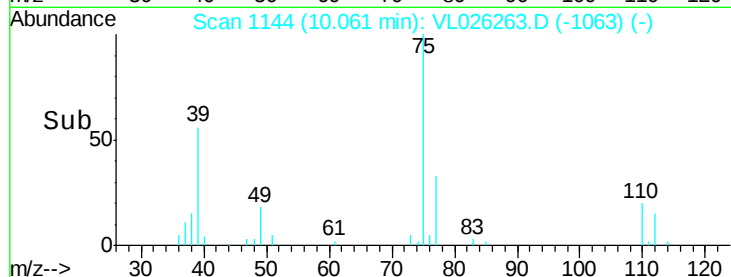
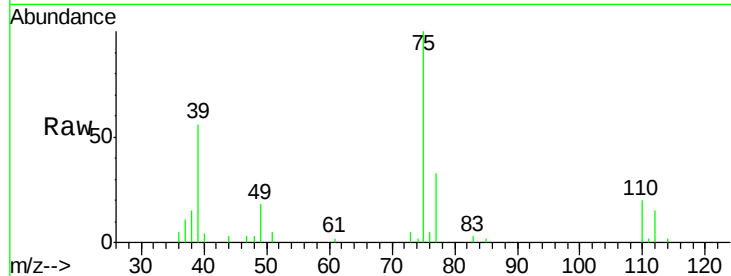




#46
 cis-1,3-Dichloropropene
 Concen: 0.44 ppbv
 RT: 10.06 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

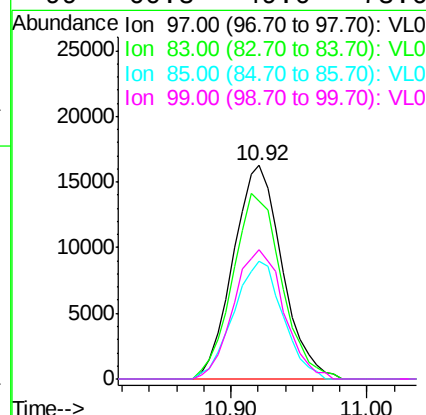
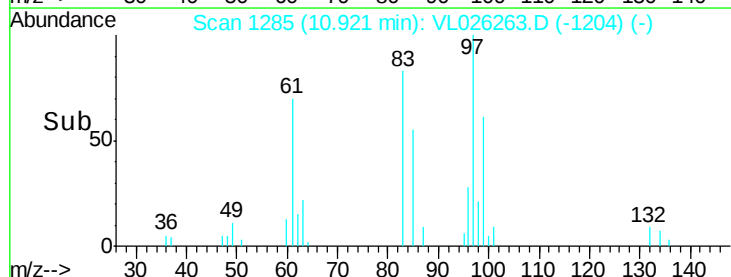
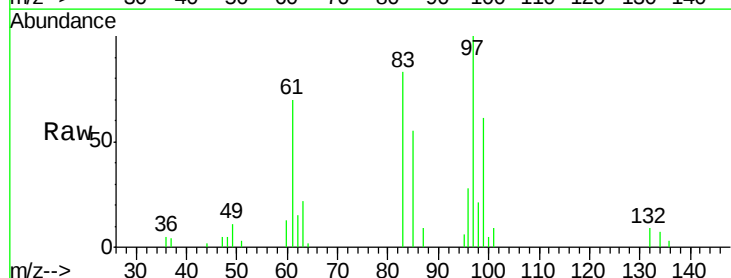
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

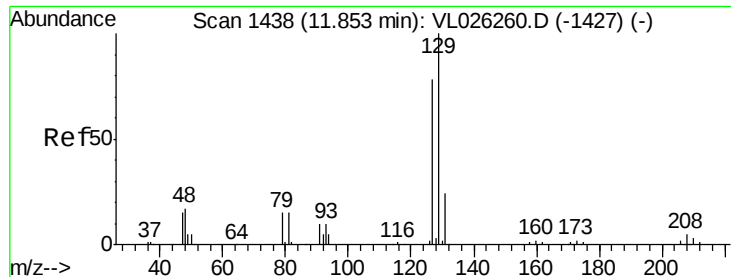
Tot Ion: 75 Resp: 47838
 Ion Ratio Lower Upper
 75 100
 39 55.7 45.8 68.8
 77 33.0 25.3 37.9



#47
 1,1,2-Trichloroethane
 Concen: 0.55 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion: 97 Resp: 40848
 Ion Ratio Lower Upper
 97 100
 83 83.5 67.9 101.9
 85 54.9 45.2 67.8
 99 60.8 49.0 73.6





#48

Dibromochloromethane

Concen: 0.44 ppbv

RT: 11.84 min Scan# 1436

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

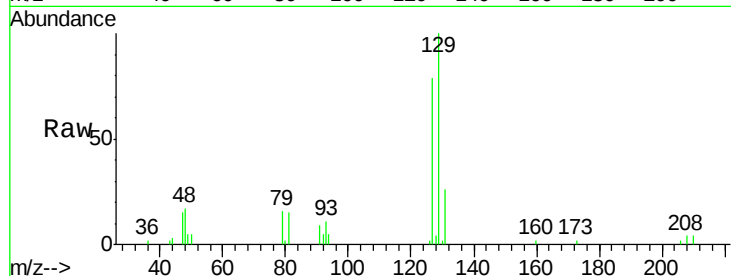
VSTDIC0.5

Tot Ion:129 Resp: 49659

Ion Ratio Lower Upper

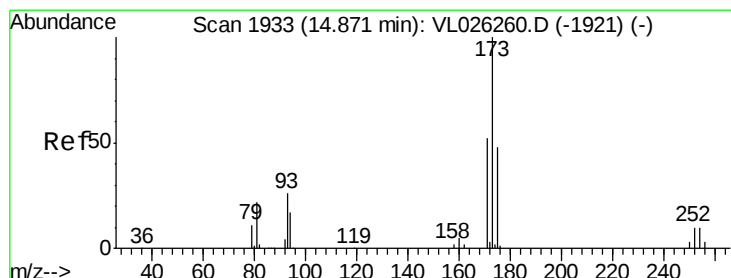
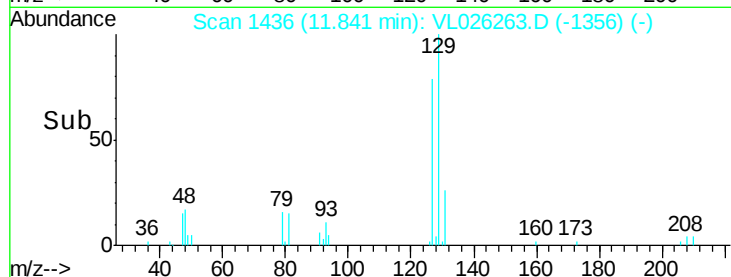
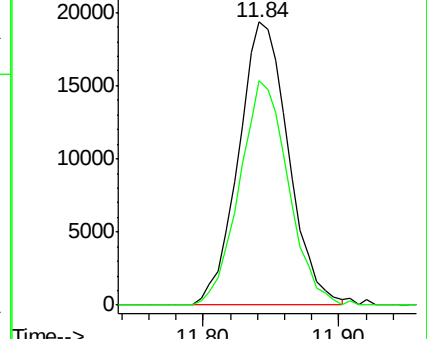
129 100

127 77.6 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: 0.39 ppbv

RT: 14.86 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

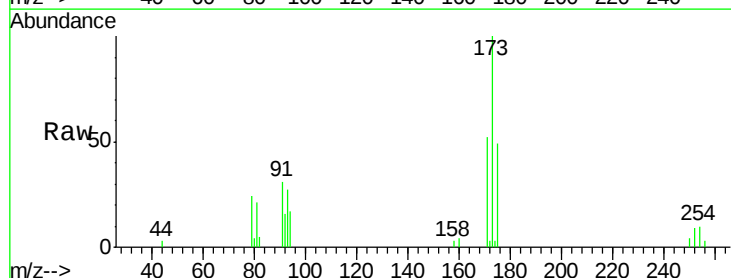
Tgt Ion:173 Resp: 35823

Ion Ratio Lower Upper

173 100

175 47.6 38.8 58.2

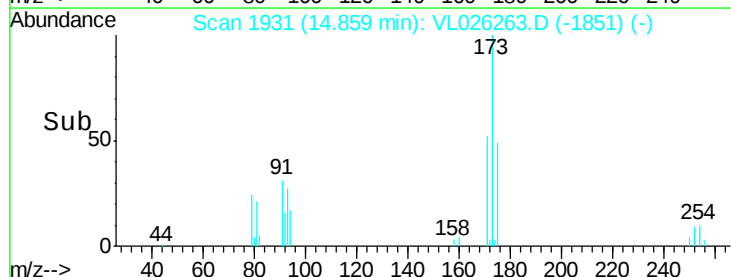
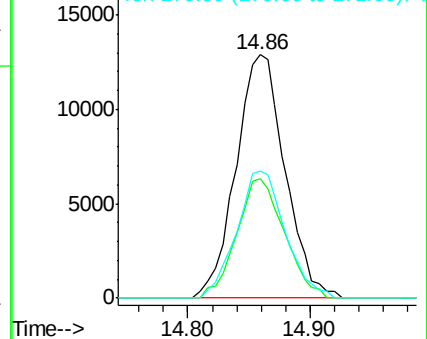
171 51.7 41.7 62.5

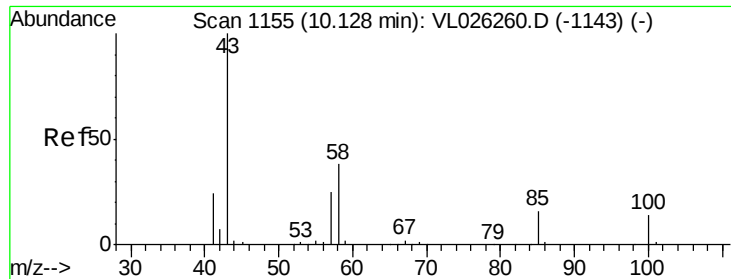


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

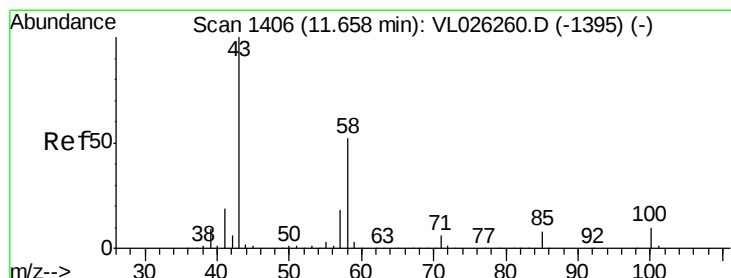
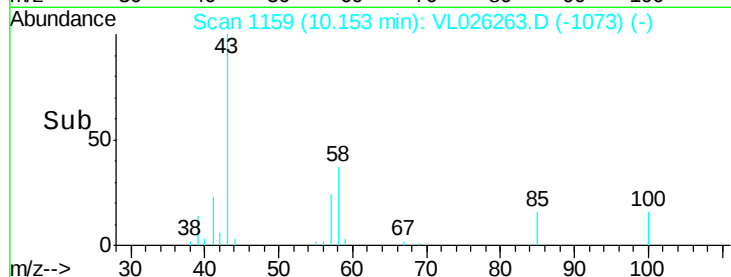
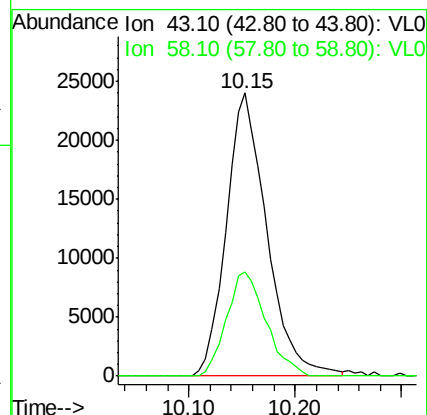
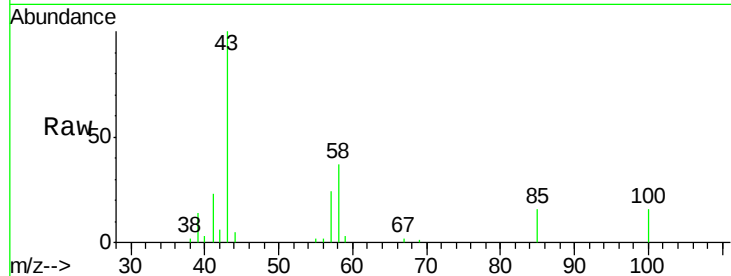




#50
4-Methyl-2-Pentanone
Concen: 0.49 ppbv
RT: 10.15 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

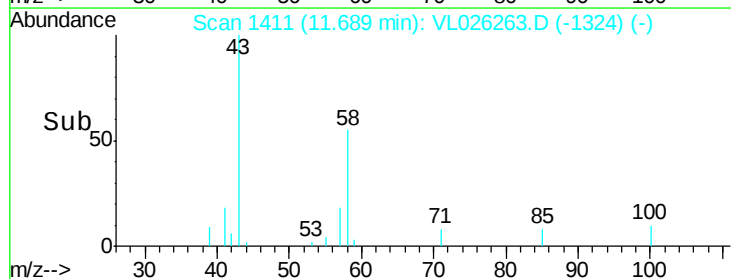
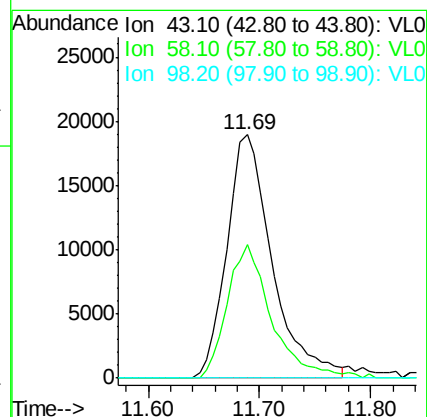
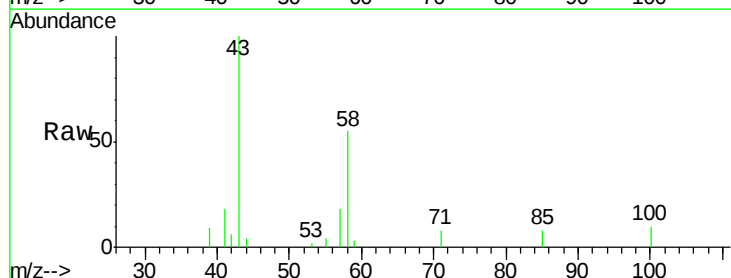
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

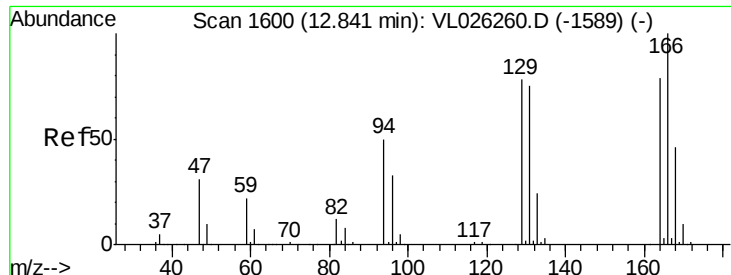
Tot Ion: 43 Resp: 63880
Ion Ratio Lower Upper
43 100
58 35.8 30.5 45.7



#51
2-Hexanone
Concen: 0.44 ppbv
RT: 11.69 min Scan# 1411
Delta R.T. 0.03 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 43 Resp: 53638
Ion Ratio Lower Upper
43 100
58 53.3 42.7 64.1
98 0.0 0.0 0.0





#52

Tetrachloroethene

Concen: 0.43 ppbv

RT: 12.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:164 Resp: 39906

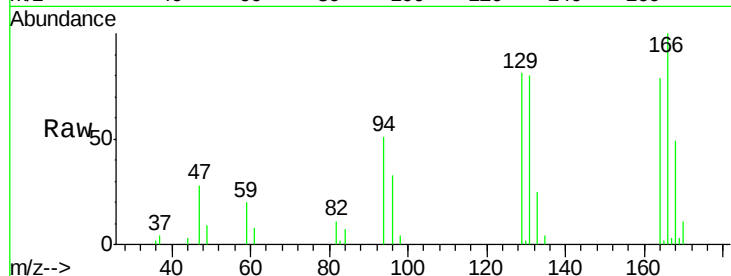
Ion Ratio Lower Upper

164 100

166 126.3 101.4 152.0

129 101.9 78.8 118.2

131 101.1 75.6 113.4

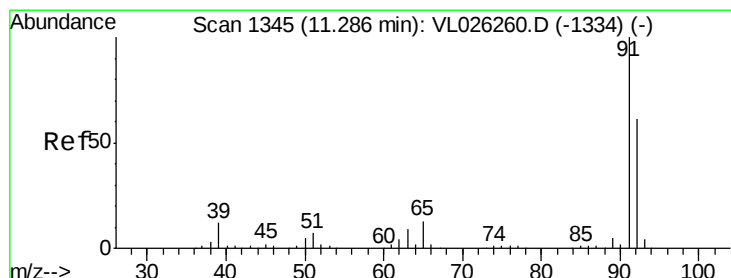
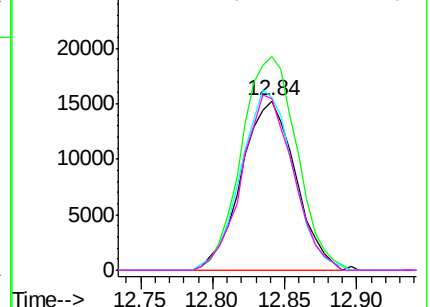
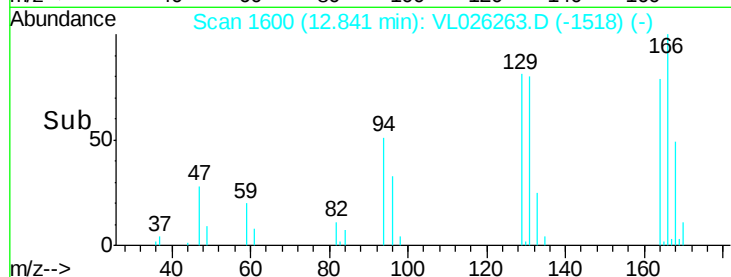


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.51 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026263.D

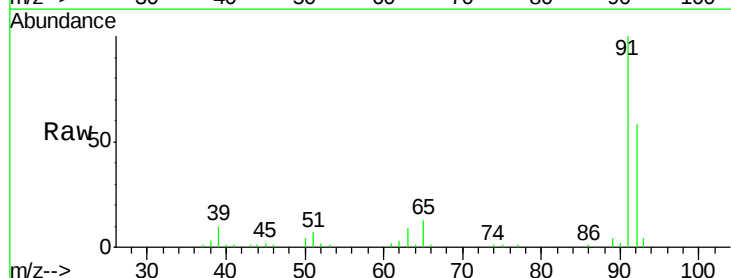
Acq: 29 Oct 2015 11:19

Tgt Ion: 91 Resp: 115189

Ion Ratio Lower Upper

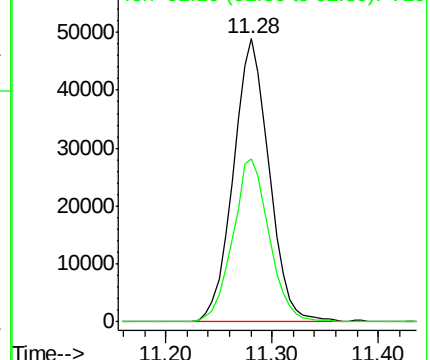
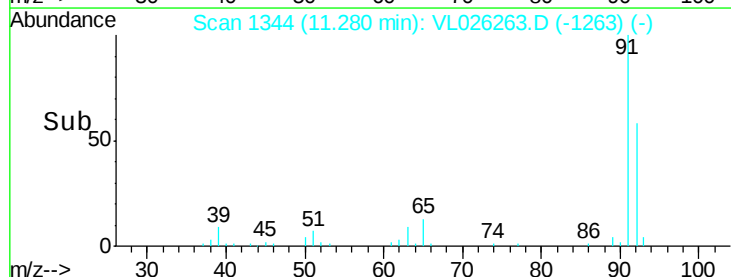
91 100

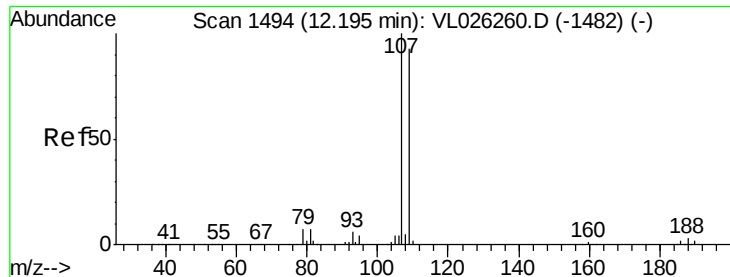
92 58.7 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.52 ppbv

RT: 12.19 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

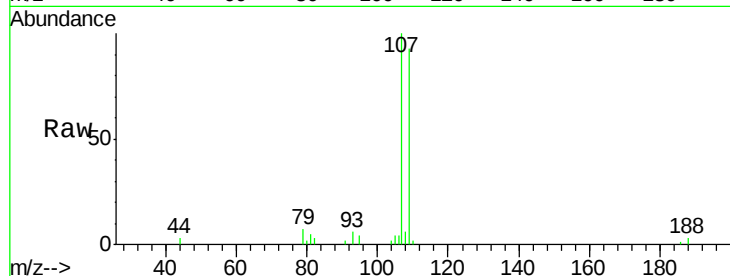
VSTDIC0.5

Tot Ion:107 Resp: 60030

Ion Ratio Lower Upper

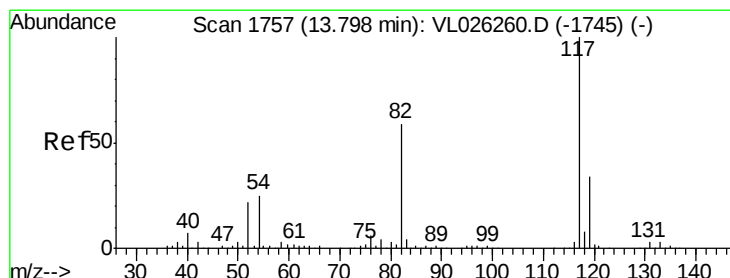
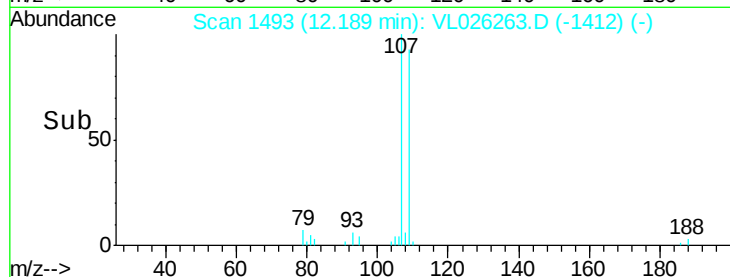
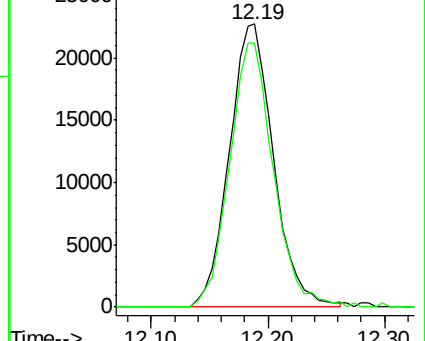
107 100

109 93.2 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.79 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

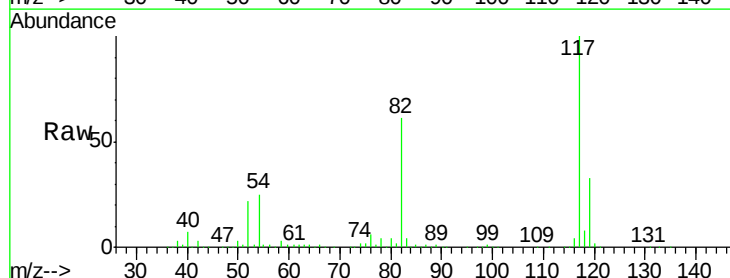
Tgt Ion:117 Resp: 1879001

Ion Ratio Lower Upper

117 100

82 60.0 48.2 72.4

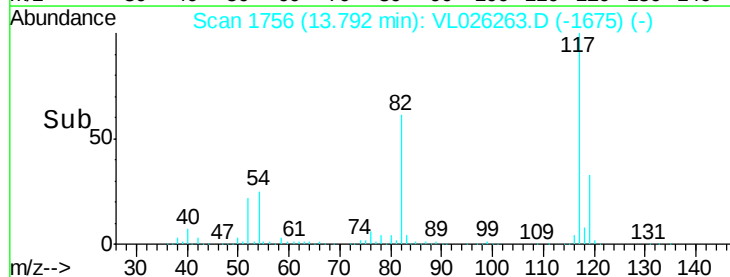
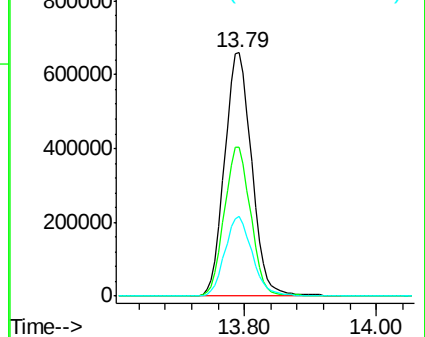
119 33.3 46.2 69.2#

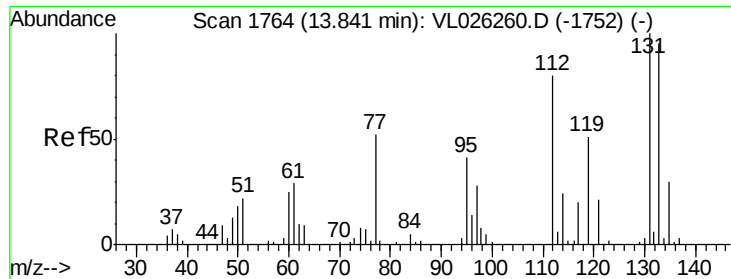


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

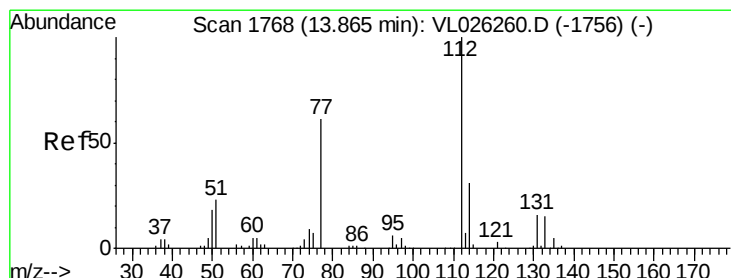
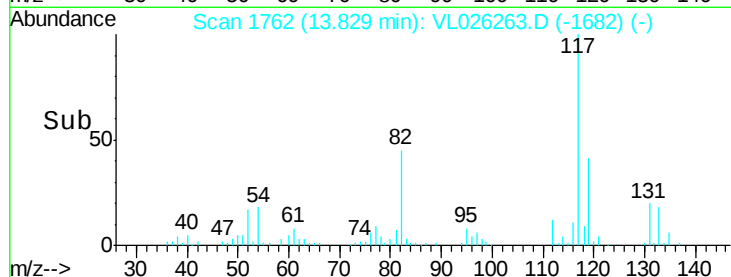
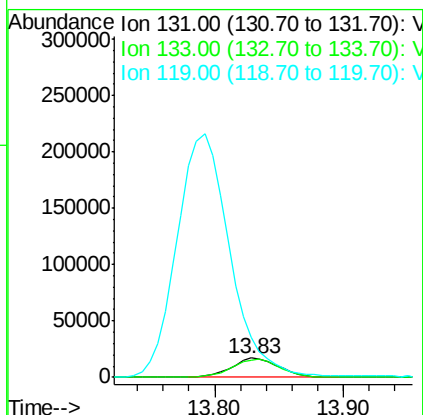
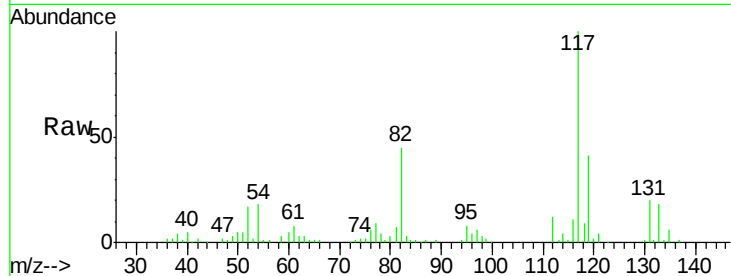




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.48 ppbv
 RT: 13.83 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

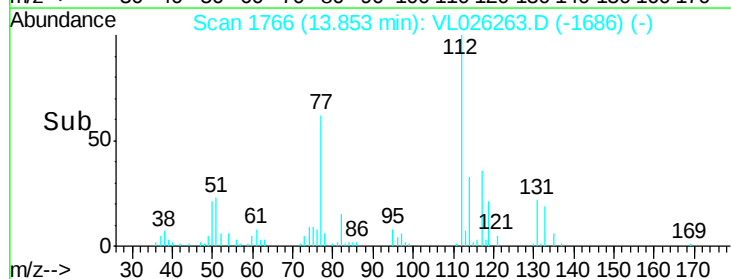
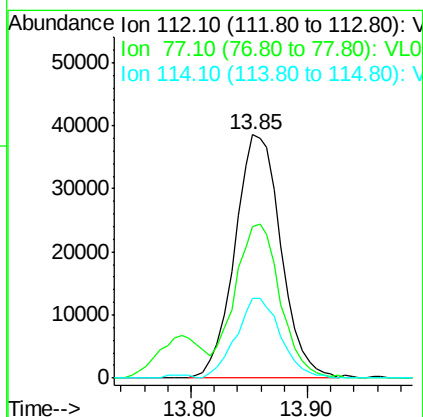
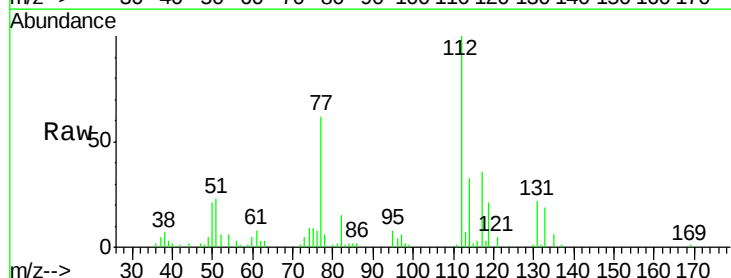
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

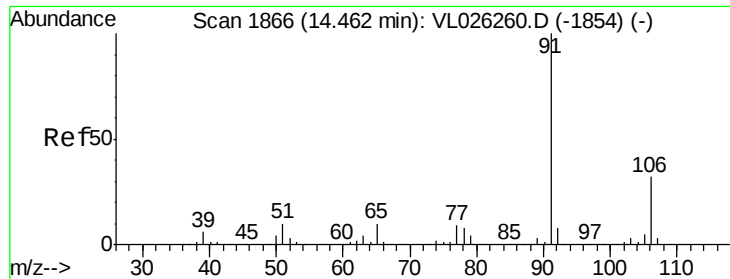
Tot Ion:131 Resp: 43596
 Ion Ratio Lower Upper
 131 100
 133 94.7 76.1 114.1
 119 1443.3 111.3 166.9#



#57
 Chlorobenzene
 Concen: 0.57 ppbv
 RT: 13.85 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion:112 Resp: 105990
 Ion Ratio Lower Upper
 112 100
 77 61.0 49.4 74.0
 114 32.9 27.8 34.0





#58

Ethyl Benzene

Concen: 0.52 ppbv

RT: 14.46 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

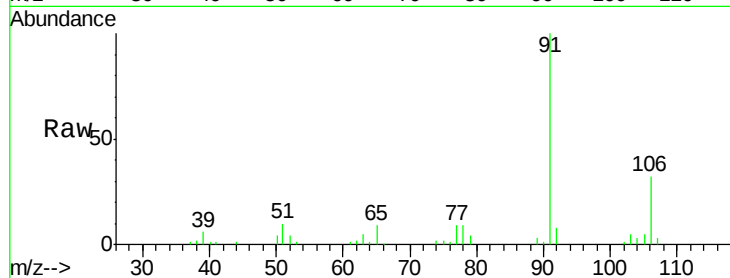
VSTDIC0.5

Tot Ion: 91 Resp: 160760

Ion Ratio Lower Upper

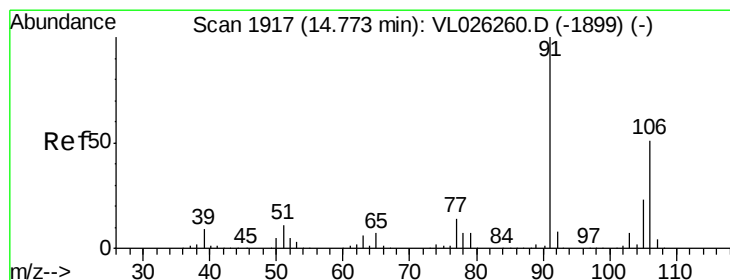
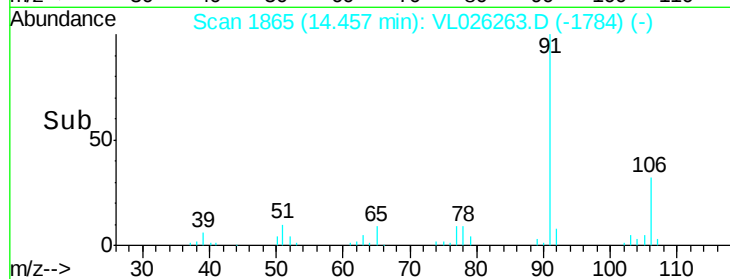
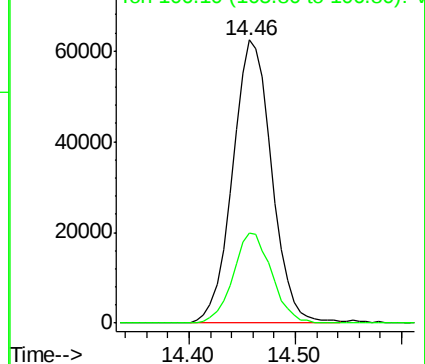
91 100

106 31.6 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 1.10 ppbv

RT: 14.77 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VL026263.D

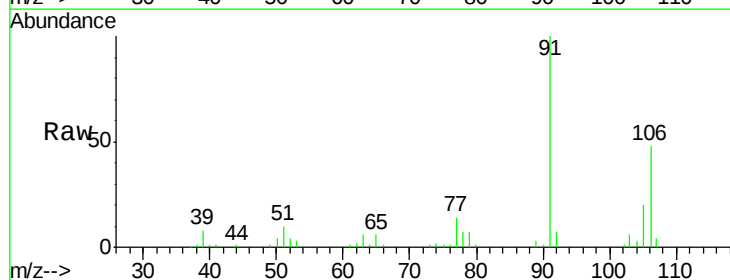
Acq: 29 Oct 2015 11:19

Tgt Ion: 91 Resp: 268434

Ion Ratio Lower Upper

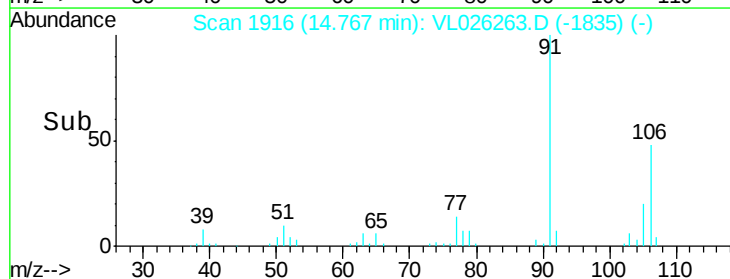
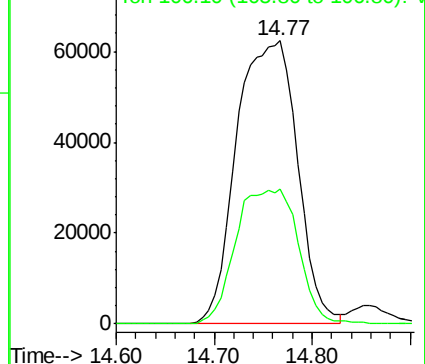
91 100

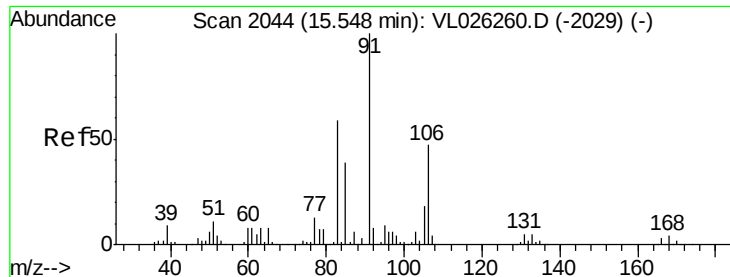
106 48.8 0.0 0.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

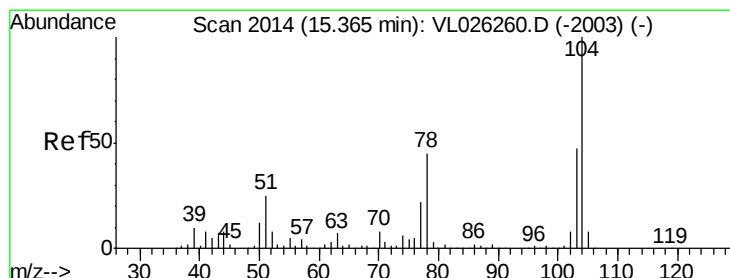
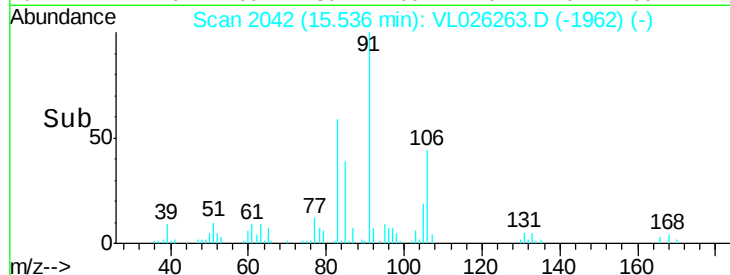
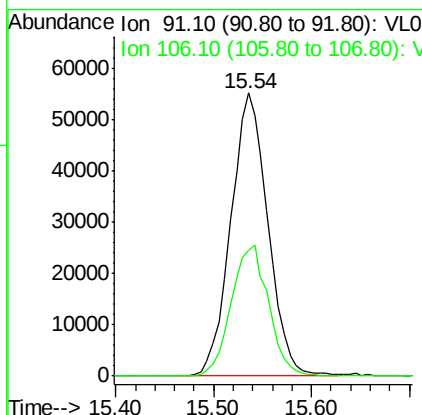
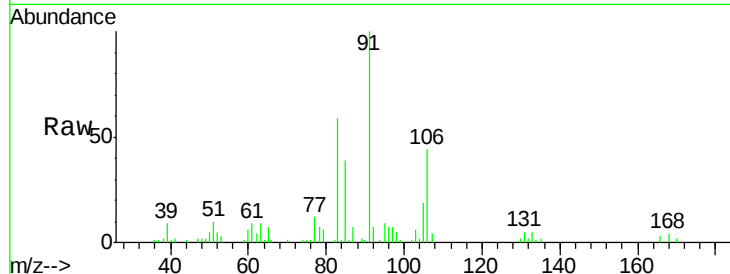




#60
o-Xylene
Concen: 0.57 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

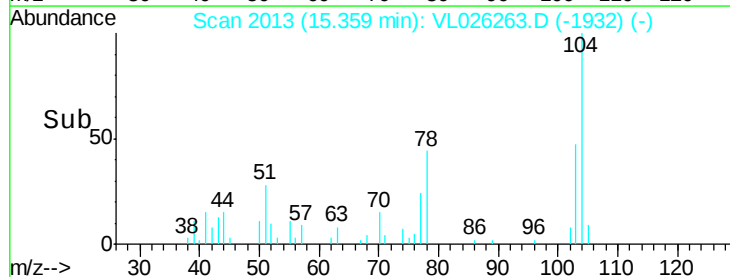
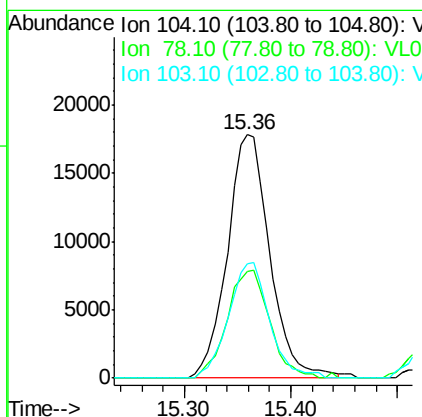
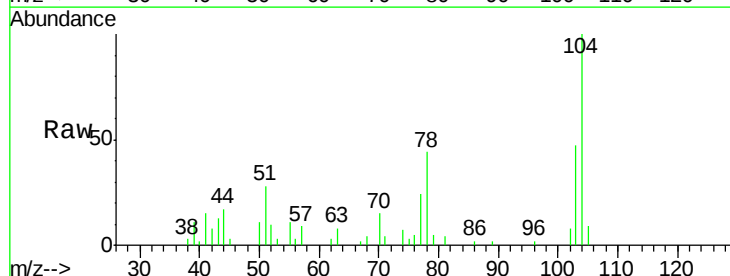
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

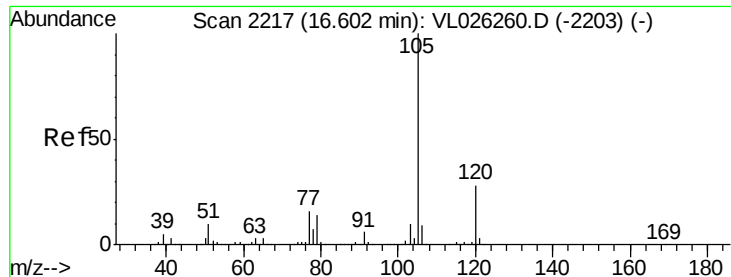
Tot Ion: 91 Resp: 145029
Ion Ratio Lower Upper
91 100
106 46.2 23.6 70.8



#61
Styrene
Concen: 0.44 ppbv
RT: 15.36 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion:104 Resp: 49759
Ion Ratio Lower Upper
104 100
78 44.6 35.5 53.3
103 45.8 37.0 55.6





#62

Isopropylbenzene

Concen: 0.54 ppbv

RT: 16.59 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

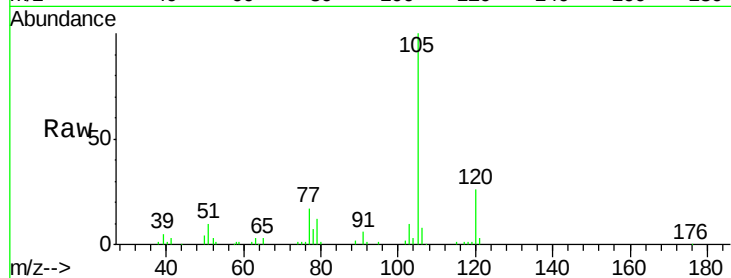
VSTDIC0.5

Tot Ion:105 Resp: 189385

Ion Ratio Lower Upper

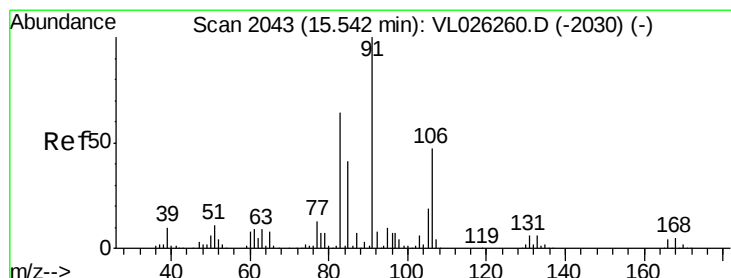
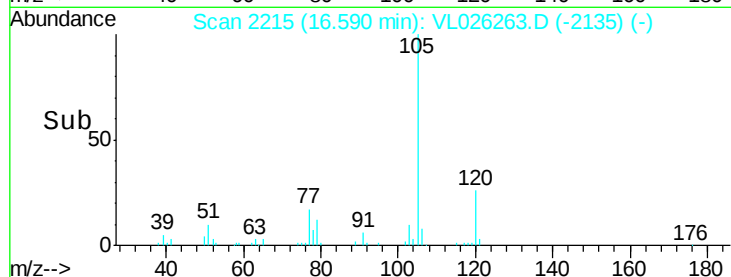
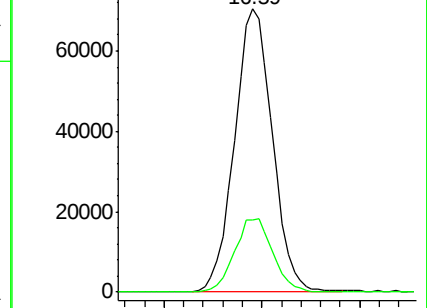
105 100

120 26.1 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: 0.58 ppbv

RT: 15.53 min Scan# 2041

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

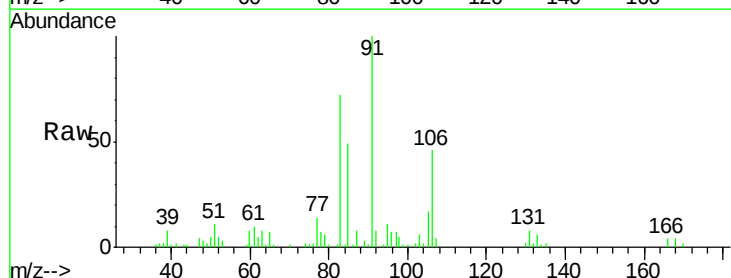
Tgt Ion: 83 Resp: 100653

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

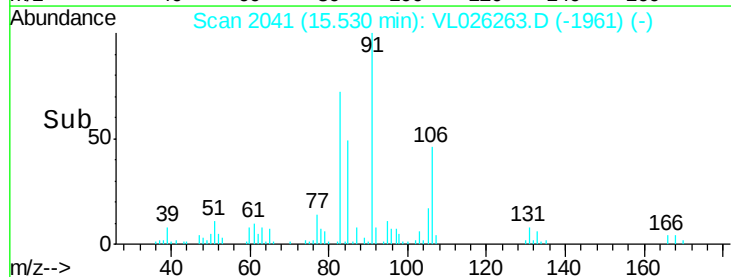
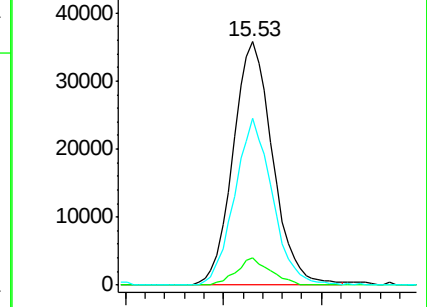
85 65.4 32.4 97.2

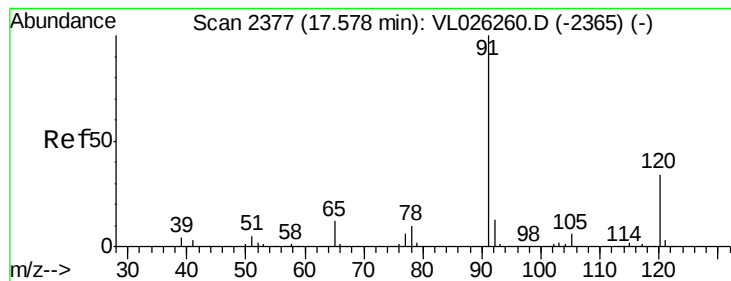


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.51 ppbv

RT: 17.57 min Scan# 2375

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

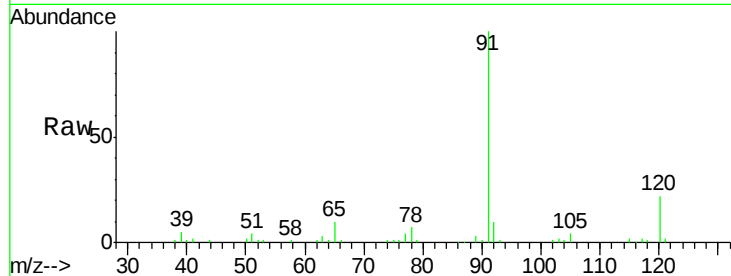
VSTDIC0.5

Tot Ion:120 Resp: 49521

Ion Ratio Lower Upper

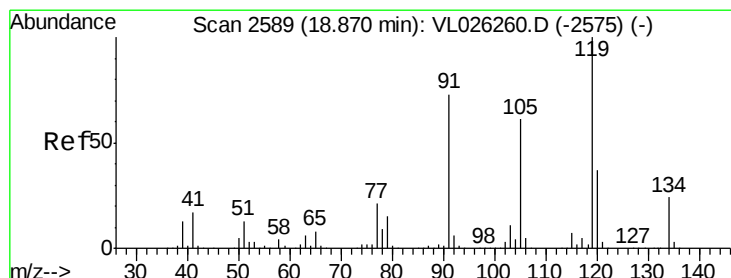
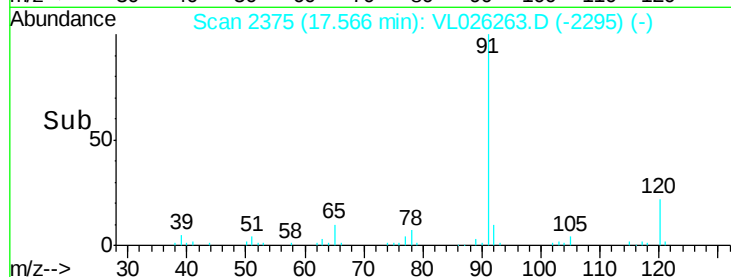
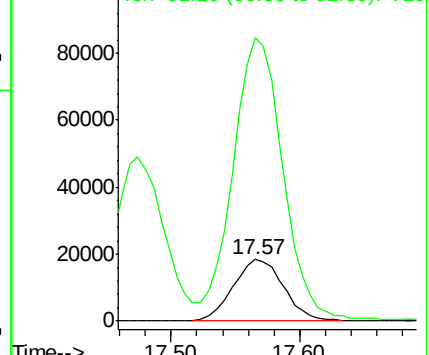
120 100

91 470.5 340.8 511.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.53 ppbv

RT: 18.86 min Scan# 2587

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

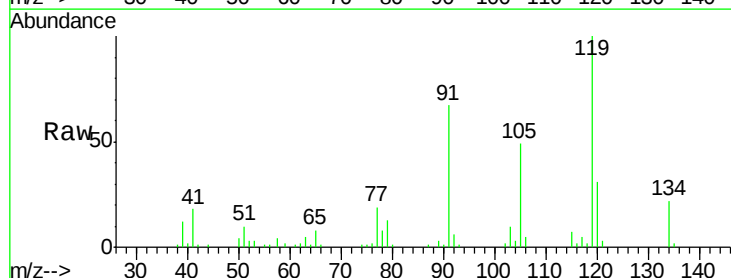
Tgt Ion:119 Resp: 170884

Ion Ratio Lower Upper

119 100

91 72.0 57.7 86.5

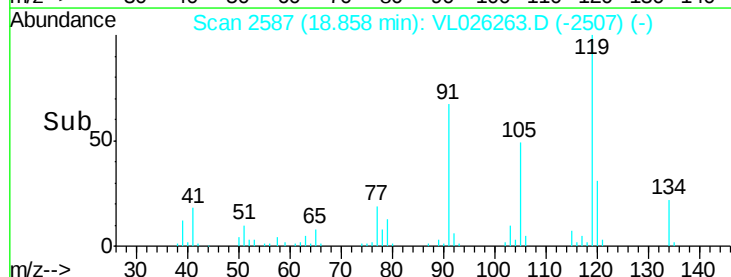
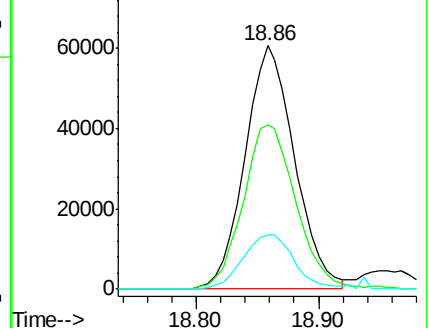
134 23.8 18.0 27.0

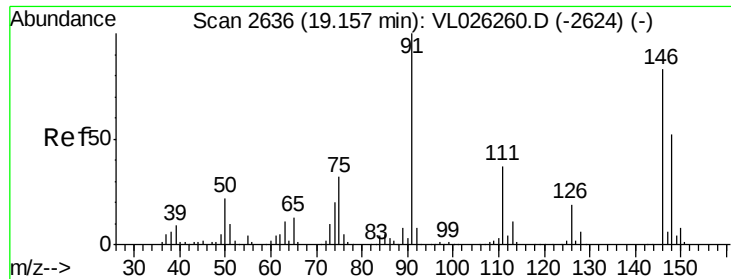


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

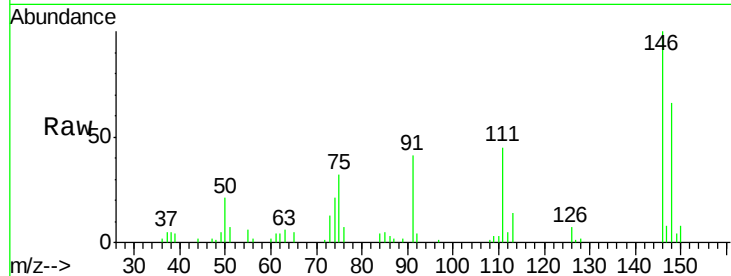




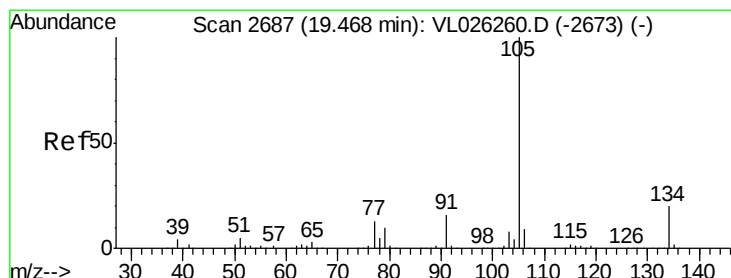
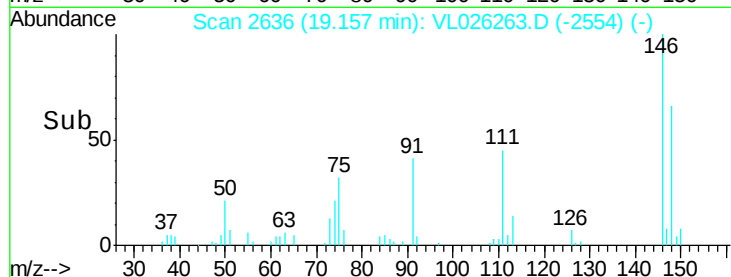
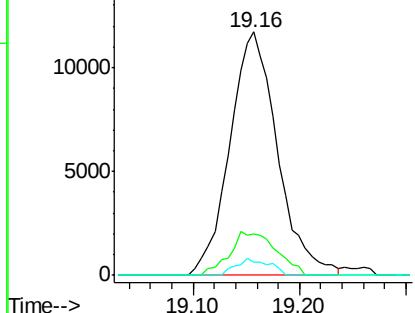
#66
Benzyl Chloride
Concen: 0.33 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 36699
Ion Ratio Lower Upper
91 100
126 17.4 15.8 23.8
128 4.7 5.0 7.6#

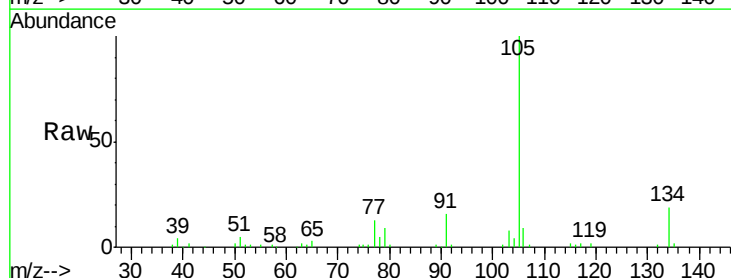


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

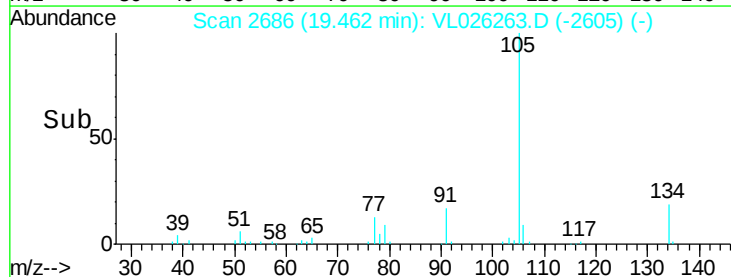
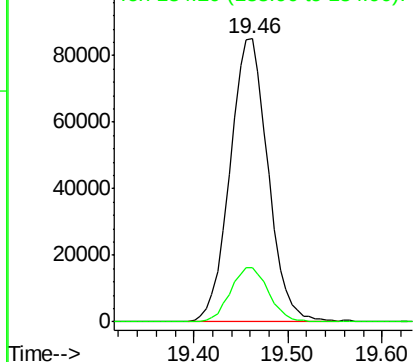


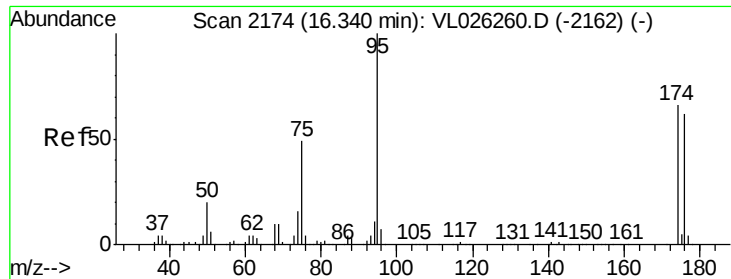
#67
sec-Butylbenzene
Concen: 0.53 ppbv
RT: 19.46 min Scan# 2686
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 105 Resp: 239753
Ion Ratio Lower Upper
105 100
134 19.2 16.0 24.0



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

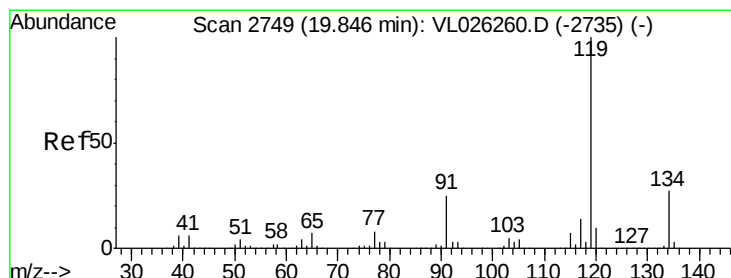
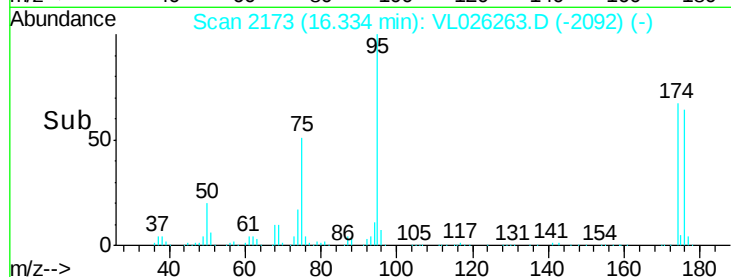
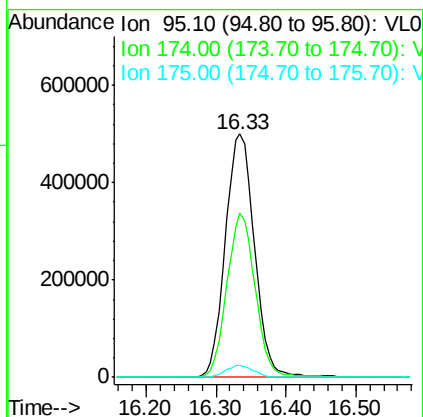
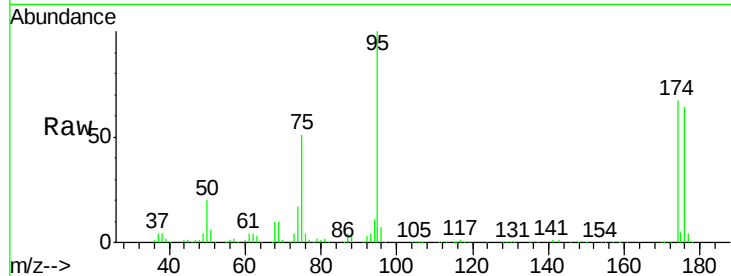




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.06 ppbv
 RT: 16.33 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

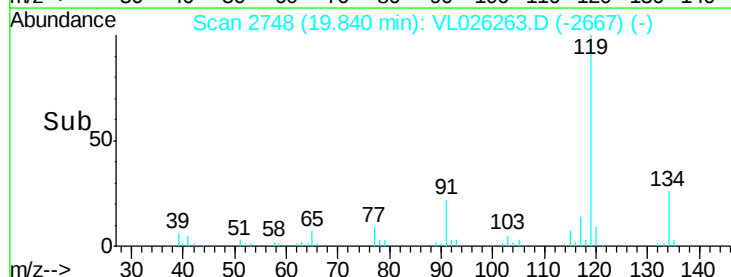
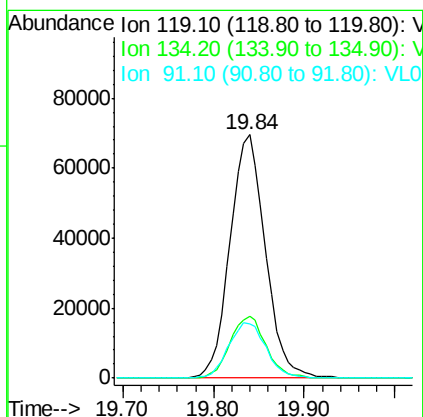
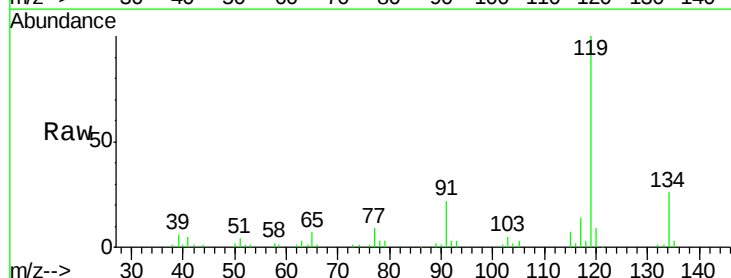
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

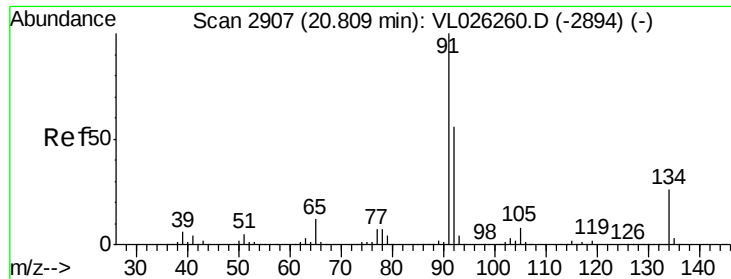
Tot Ion: 95 Resp: 1452230
 Ion Ratio Lower Upper
 95 100
 174 65.7 52.9 79.3
 175 4.8 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.51 ppbv
 RT: 19.84 min Scan# 2748
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion: 119 Resp: 188275
 Ion Ratio Lower Upper
 119 100
 134 25.6 21.3 31.9
 91 24.0 19.6 29.4

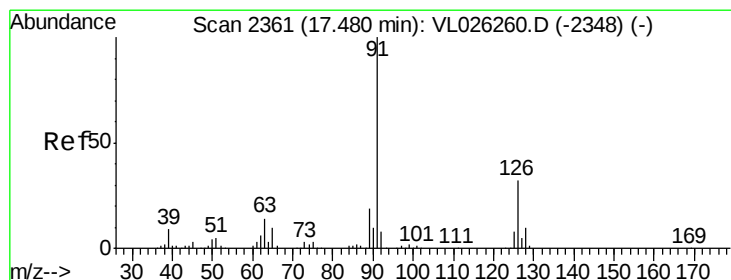
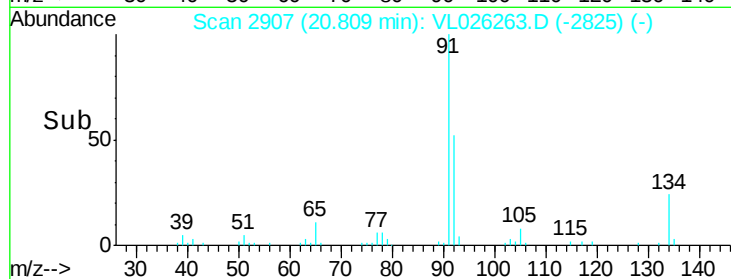
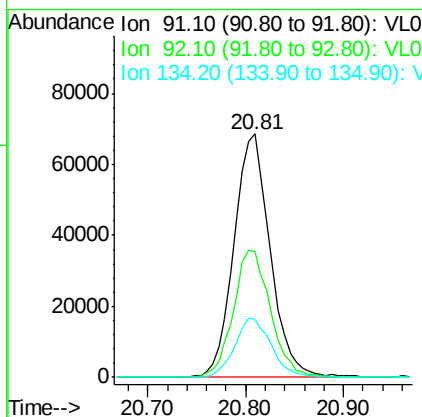
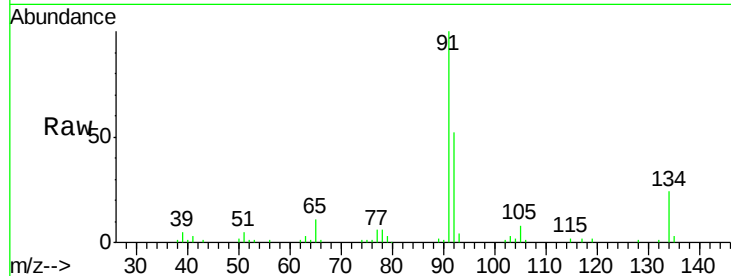




#70
n-Butylbenzene
Concen: 0.51 ppbv
RT: 20.81 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

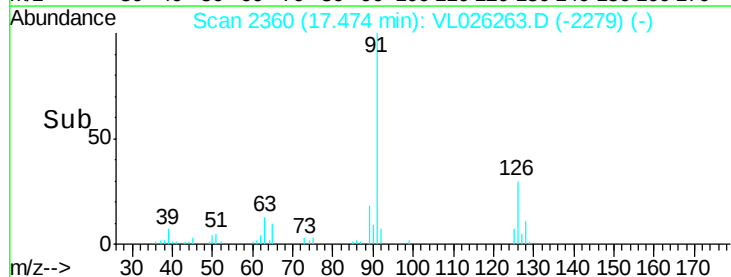
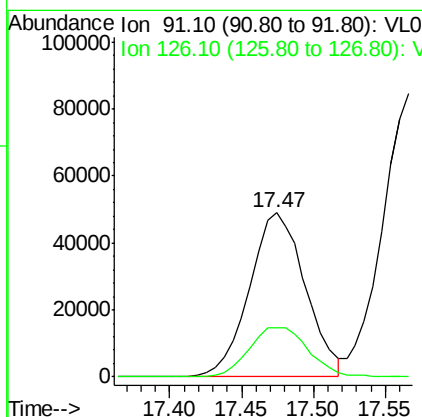
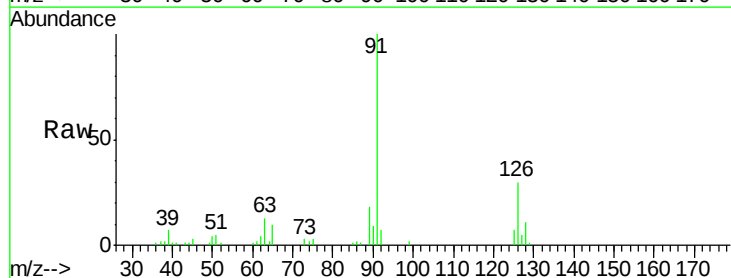
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

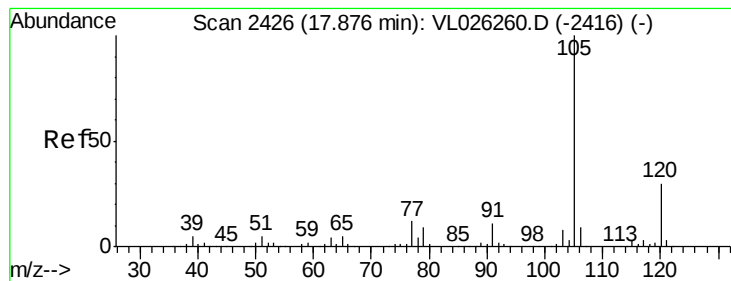
Tot Ion: 91 Resp: 176574
Ion Ratio Lower Upper
91 100
92 53.3 44.9 67.3
134 24.4 20.5 30.7



#71
2-Chlorotoluene
Concen: 0.51 ppbv
RT: 17.47 min Scan# 2360
Delta R.T. -0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion: 91 Resp: 132551
Ion Ratio Lower Upper
91 100
126 32.0 12.8 51.0





#72

4-Ethyltoluene

Concen: 0.50 ppbv

RT: 17.86 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 146576

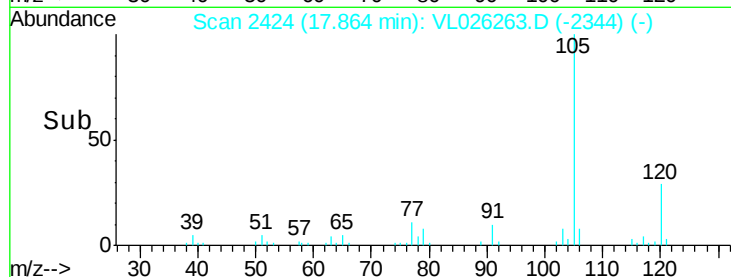
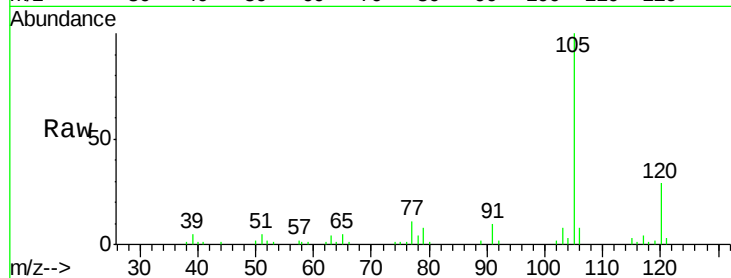
Ion Ratio Lower Upper

105 100

120 30.8 25.1 37.7

91 12.1 9.1 13.7

77 11.5 9.7 14.5

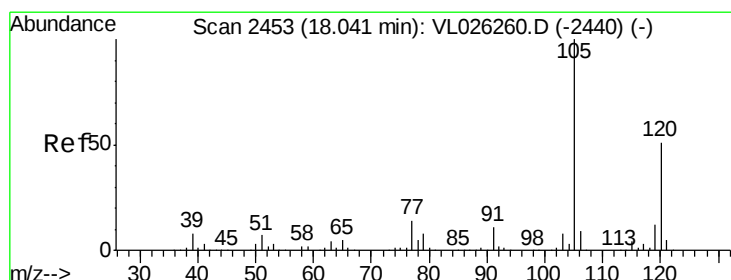
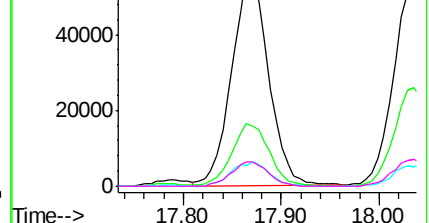


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.52 ppbv

RT: 18.04 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL026263.D

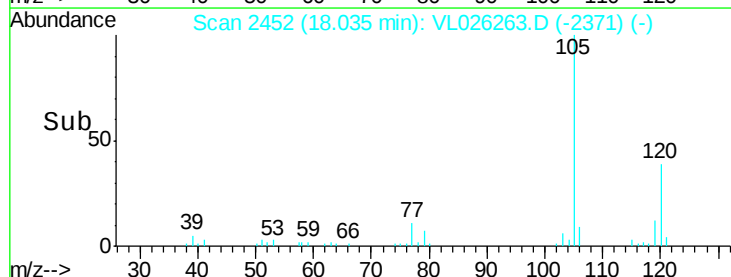
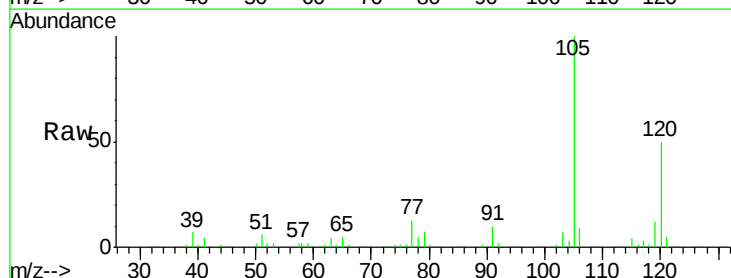
Acq: 29 Oct 2015 11:19

Tgt Ion:105 Resp: 141316

Ion Ratio Lower Upper

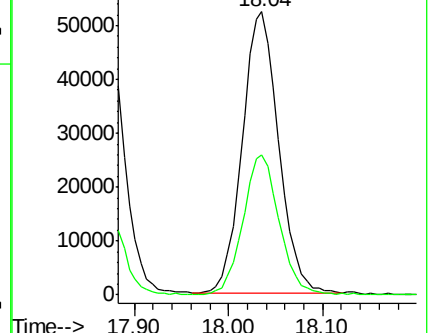
105 100

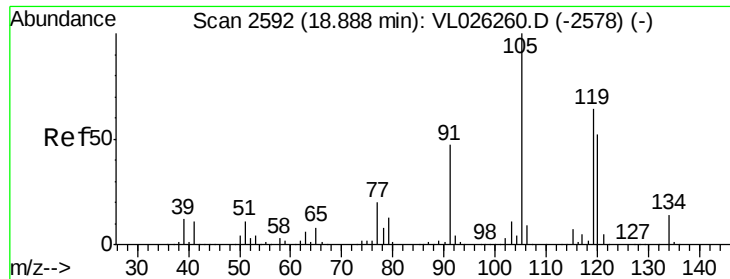
120 49.9 40.6 61.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

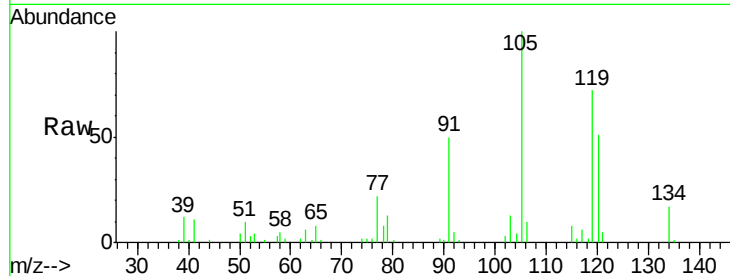




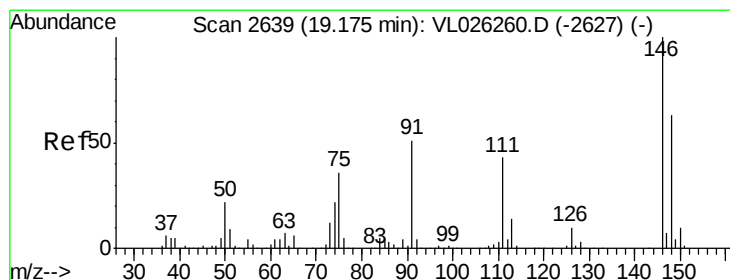
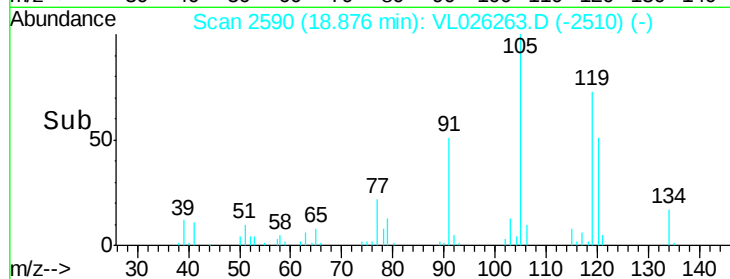
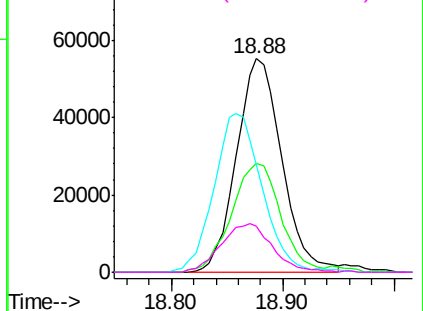
#74
 1,2,4-Trimethylbenzene
 Concen: 0.55 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:105	Resp:	156646
Ion Ratio	Lower	Upper
105	100	
120	49.8	41.2 61.8
91	49.2	37.8 56.8
77	21.9	16.1 24.1

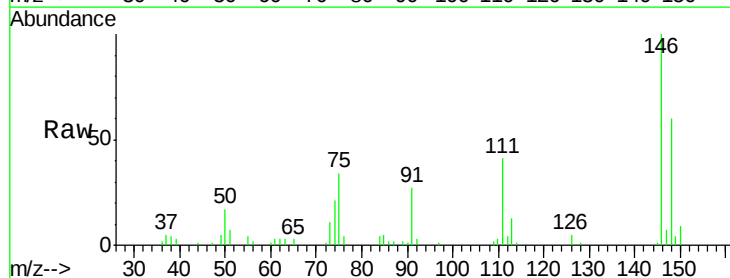


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

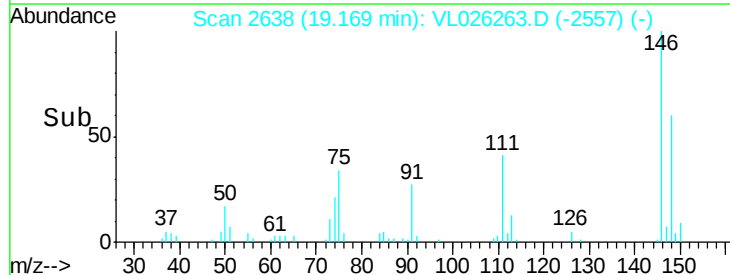
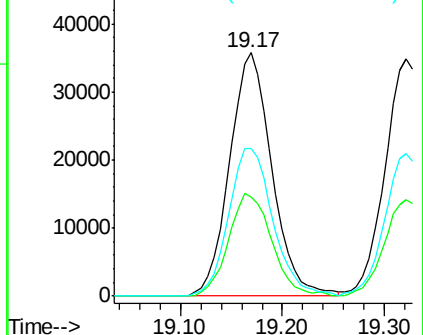


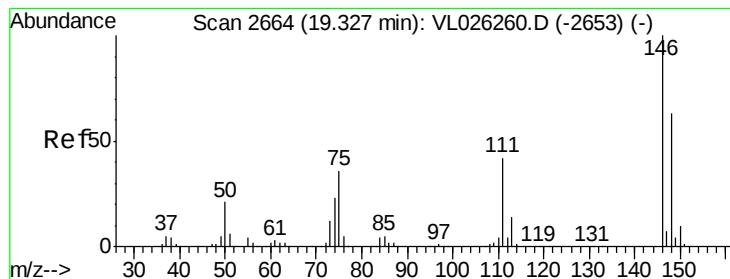
#75
 1,3-Dichlorobenzene
 Concen: 0.56 ppbv
 RT: 19.17 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: VL026263.D
 Acq: 29 Oct 2015 11:19

Tgt Ion:146	Resp:	103054
Ion Ratio	Lower	Upper
146	100	
111	42.9	21.9 65.5
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





#76

1,4-Dichlorobenzene

Concen: 0.55 ppbv

RT: 19.32 min Scan# 2663

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

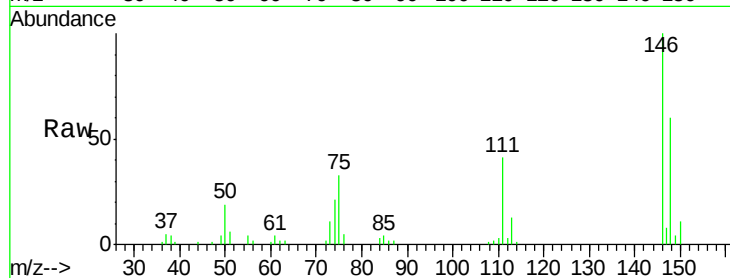
Tot Ion:146 Resp: 103838

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.4

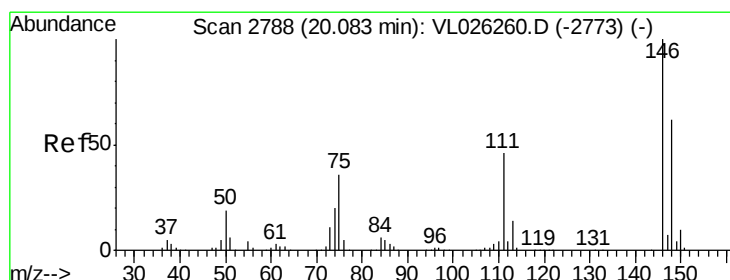
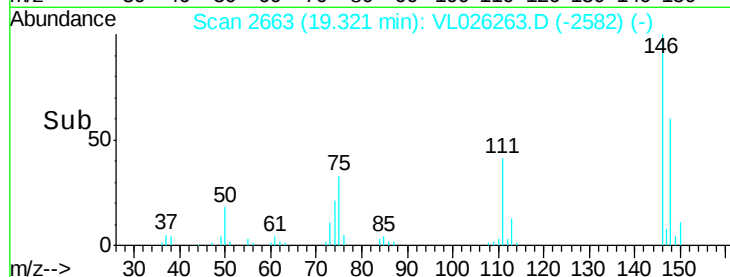
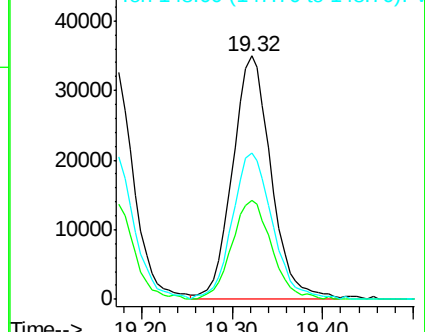
148 62.1 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.54 ppbv

RT: 20.08 min Scan# 2787

Delta R.T. -0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

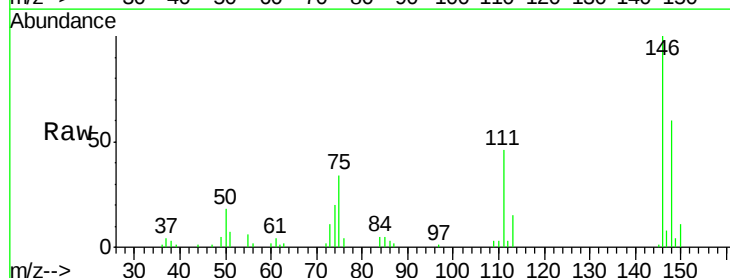
Tgt Ion:146 Resp: 99633

Ion Ratio Lower Upper

146 100

111 45.7 22.8 68.3

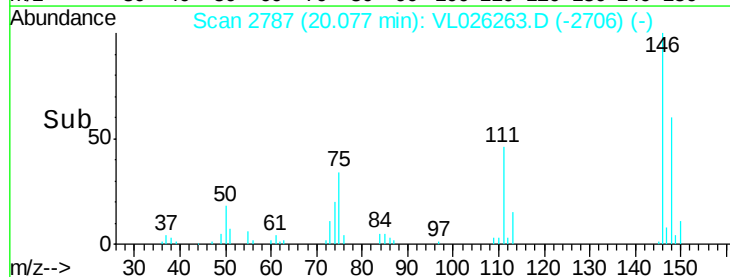
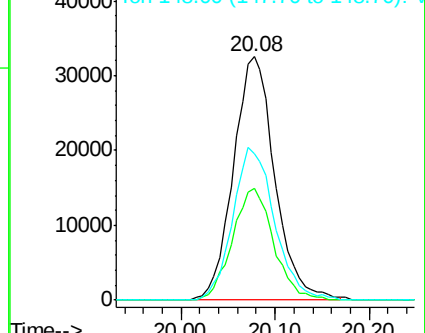
148 63.6 31.6 94.8

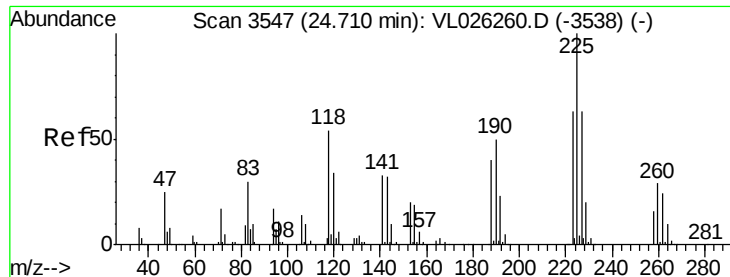


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.51 ppbv

RT: 24.71 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

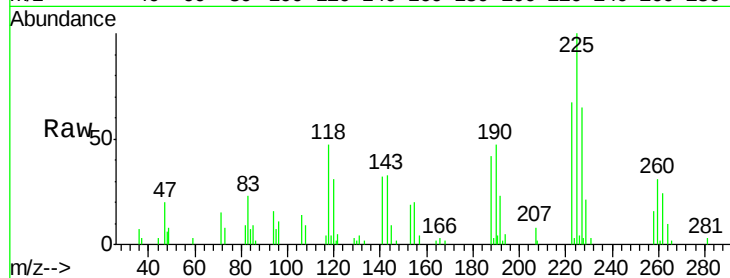
Tot Ion:225 Resp: 42502

Ion Ratio Lower Upper

225 100

223 65.9 51.0 76.6

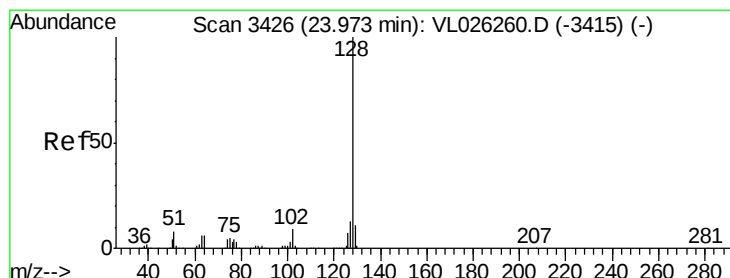
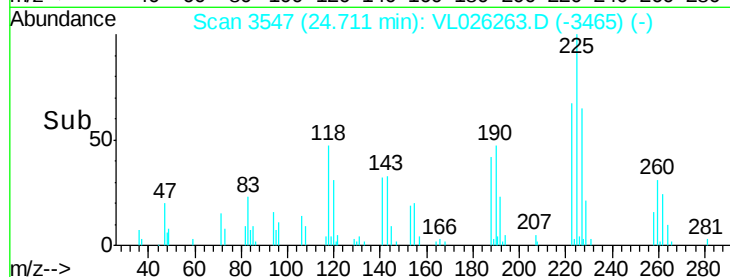
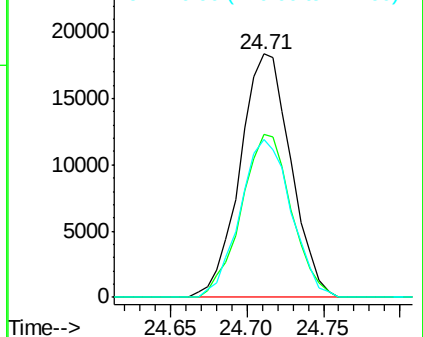
227 65.0 51.3 76.9



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: 0.43 ppbv

RT: 23.98 min Scan# 3427

Delta R.T. 0.01 min

Lab File: VL026263.D

Acq: 29 Oct 2015 11:19

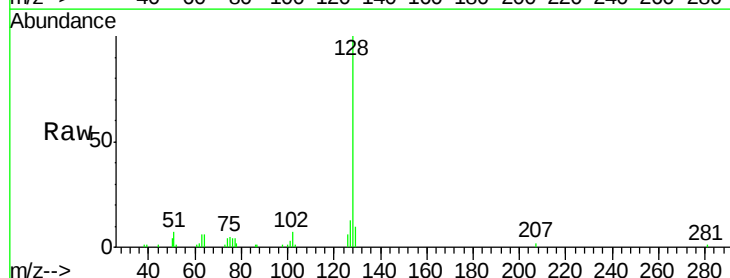
Tgt Ion:128 Resp: 96735

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

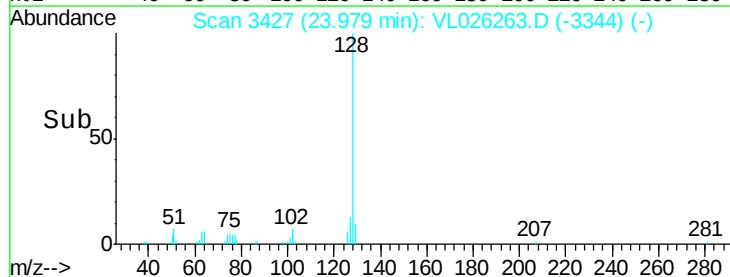
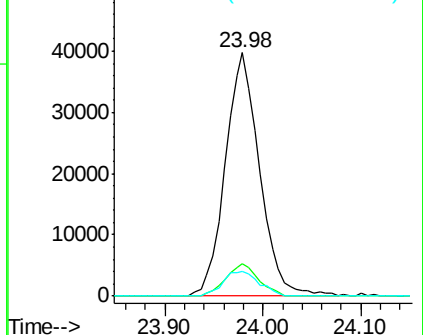
129 9.9 8.8 13.2

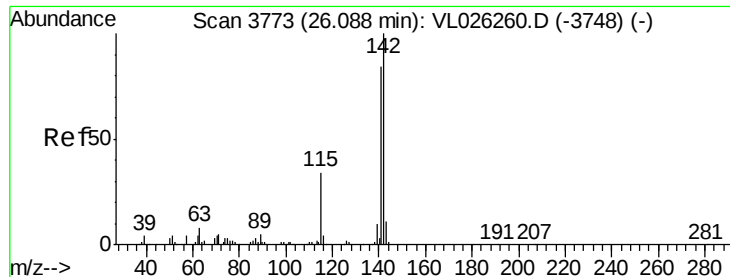


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

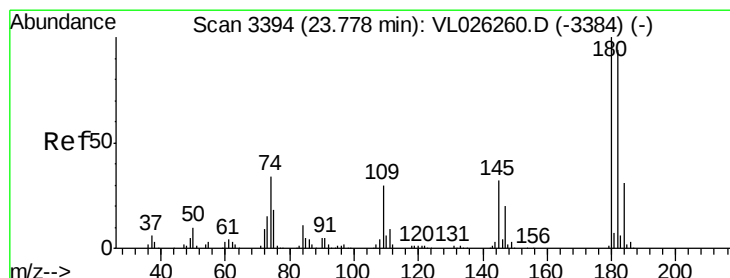
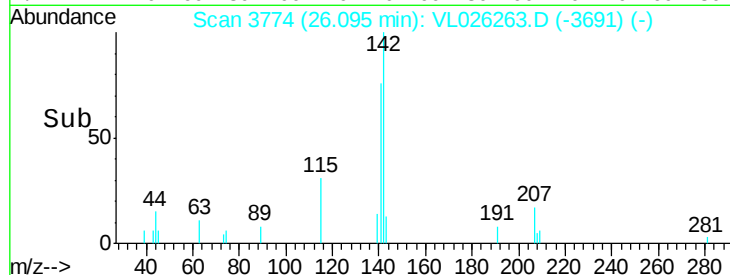
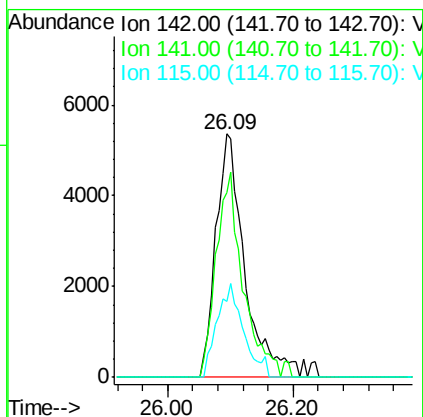
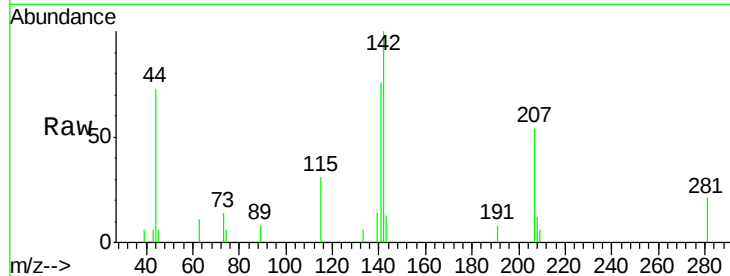




#80
Naphthalene, 2-methyl-
Concen: 0.48 ppbv
RT: 26.09 min Scan# 3774
Delta R.T. 0.01 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:142 Resp: 17347
Ion Ratio Lower Upper
142 100
141 78.2 66.1 99.1
115 34.5 28.1 42.1



#81
1,2,4-Trichlorobenzene
Concen: 0.47 ppbv
RT: 23.78 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL026263.D
Acq: 29 Oct 2015 11:19

Tgt Ion:180 Resp: 51500
Ion Ratio Lower Upper
180 100
182 94.6 76.0 114.0
184 31.0 24.2 36.4

