

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL100915\
 Data File : VL026176.D
 Acq On : 9 Oct 2015 13:35
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Oct 09 14:25:23 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:20:41 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	934367	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2446465	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2821933	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	2211626	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	19881	0.15	ppbv	94
3) Chlorodifluoromethane	3.58	51	14075	0.13	ppbv	99
4) Chloromethane	3.76	50	6565	0.10	ppbv	89
5) Vinyl Chloride	3.90	62	5987	0.09	ppbv	98
6) Bromomethane	4.15	94	4613	0.11	ppbv	90
7) Chloroethane	4.26	64	2597	0.10	ppbv #	81
8) Dichlorotetrafluoroethane	3.82	85	16361	0.11	ppbv	96
9) Propene	3.60	41	5899	0.11	ppbv	99
10) Heptane	9.37	43	12953	0.07	ppbv	99
11) Trichlorofluoromethane	4.71	101	18052	0.12	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	12525	0.12	ppbv	99
13) Ethanol	4.37	45	269	0.04	ppbv #	31
14) Bromoethene	4.46	108	4628	0.10	ppbv #	94
15) Acetone	4.66	43	37682	0.32	ppbv #	63
16) 1,3-Butadiene	3.98	39	4116	0.07	ppbv #	80
17) tert-Butyl alcohol	5.22	59	4433	0.06	ppbv #	71
18) 1,1-Dichloroethene	5.10	96	5653	0.11	ppbv #	72
19) Isopropyl Alcohol	4.84	45	4524	0.09	ppbv #	1
20) Methylene Chloride	5.17	84	7479	0.15	ppbv	87
21) Allyl Chloride	5.24	41	9497	0.12	ppbv #	95
22) trans-1,2-Dichloroethene	5.78	96	5855	0.09	ppbv	84
23) Vinyl Acetate	6.02	43	18803	0.09	ppbv #	94
24) 1,1-Dichloroethane	5.93	63	14193	0.10	ppbv #	94
25) Ethyl Acetate	6.73	43	14850	0.06	ppbv #	94
26) Hexane	6.67	57	10157	0.09	ppbv	92
27) Carbon Disulfide	5.41	76	10985	0.09	ppbv #	22
28) Methyl tert-Butyl Ether	6.02	73	14624	0.08	ppbv	94
29) Chloroform	6.76	83	16735	0.10	ppbv	84
30) Cyclohexane	8.31	84	12418	0.11	ppbv #	1
31) cis-1,2-Dichloroethene	6.53	61	8834	0.08	ppbv	92
32) 1,1,1-Trichloroethane	7.61	97	14558	0.09	ppbv	99
35) Carbon Tetrachloride	8.18	117	14154	0.09	ppbv	97
36) Benzene	8.04	78	21932	0.08	ppbv	98
37) 1,2-Dichloroethane	7.39	62	12696	0.10	ppbv #	95
38) Trichloroethene	9.07	130	11130	0.10	ppbv	94
39) 1,2-Dichloropropane	8.84	63	9715	0.10	ppbv #	84
41) Tetrahydrofuran	7.20	42	5531	0.06	ppbv #	83
42) Bromodichloromethane	9.04	83	14953	0.09	ppbv	93
43) Methyl Methacrylate	9.30	69	5168	0.06	ppbv	93
44) 2,2,4-Trimethylpentane	9.10	57	33006	0.08	ppbv	96
45) t-1,3-Dichloropropene	10.68	75	6092	0.05	ppbv #	73

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:20:41 2015
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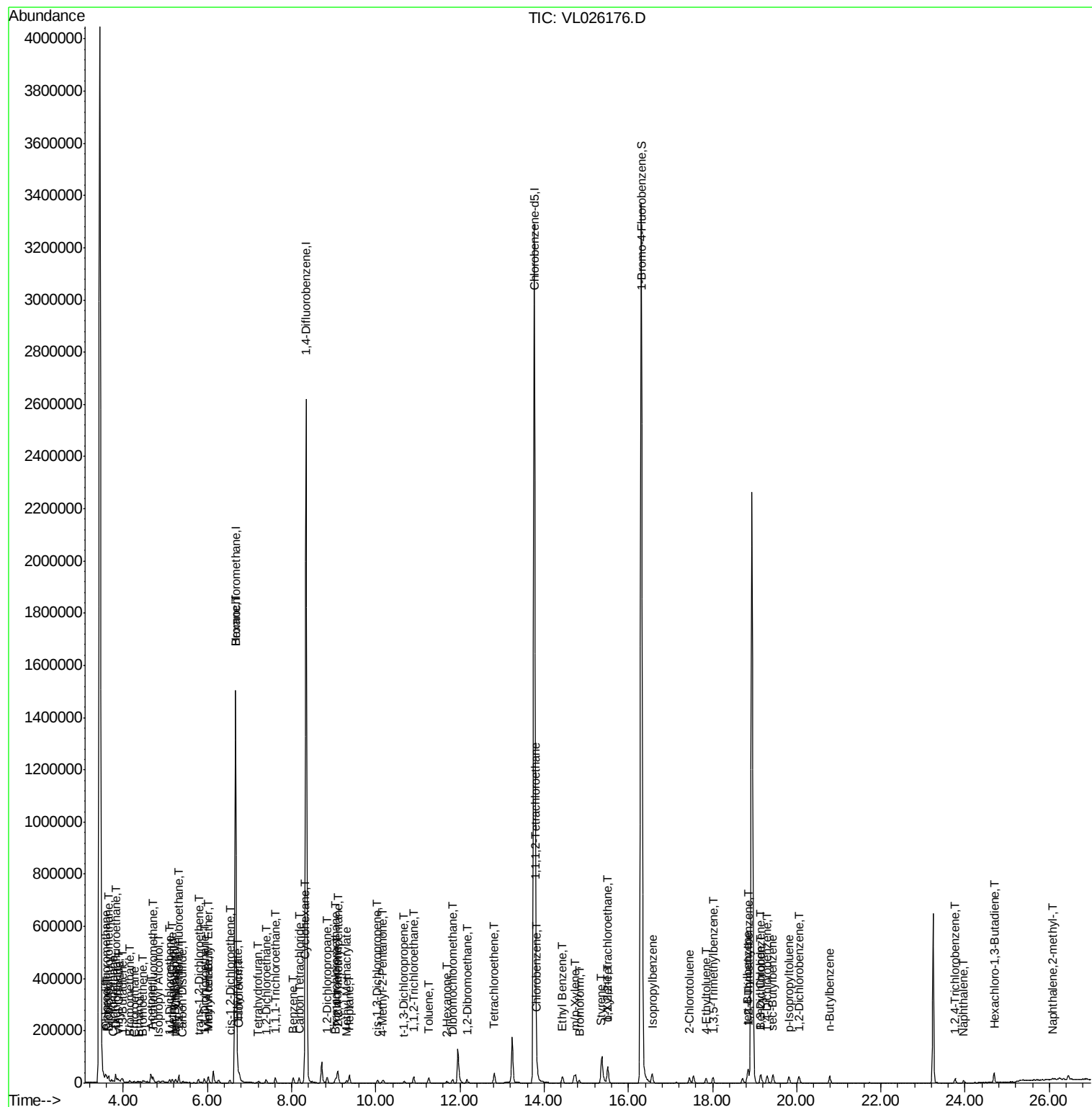
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	10.04	75	9007	0.06	ppbv #	83
47) 1,1,2-Trichloroethane	10.90	97	10731	0.10	ppbv	92
48) Dibromochloromethane	11.82	129	10652	0.07	ppbv	98
49) Bromoform	14.83	173	6456	0.06	ppbv	96
50) 4-Methyl-2-Pentanone	10.16	43	11792	0.06	ppbv	92
51) 2-Hexanone	11.69	43	8270	0.04	ppbv #	90
52) Tetrachloroethene	12.81	164	11745	0.10	ppbv	93
53) Toluene	11.26	91	22862	0.07	ppbv	98
54) 1,2-Dibromoethane	12.16	107	13845	0.08	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.80	131	10764	0.09	ppbv #	1
57) Chlorobenzene	13.83	112	28680	0.10	ppbv	97
58) Ethyl Benzene	14.44	91	30643	0.07	ppbv	94
59) m/p-Xylene	14.73	91	30224	0.08	ppbv #	27
60) o-Xylene	15.51	91	33470	0.09	ppbv	100
61) Styrene	15.34	104	8406	0.05	ppbv	97
62) Isopropylbenzene	16.56	105	36278	0.07	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.51	83	25591	0.09	ppbv	99
65) tert-Butylbenzene	18.83	119	30168	0.07	ppbv	92
66) Benzyl Chloride	19.14	91	7124	0.06	ppbv #	64
67) sec-Butylbenzene	19.44	105	40994	0.07	ppbv	98
69) p-Isopropyltoluene	19.82	119	26612	0.05	ppbv	97
70) n-Butylbenzene	20.78	91	24590	0.05	ppbv	97
71) 2-Chlorotoluene	17.45	91	23577	0.06	ppbv	97
72) 4-Ethyltoluene	17.85	105	21500	0.05	ppbv	95
73) 1,3,5-Trimethylbenzene	18.01	105	22007	0.06	ppbv	95
74) 1,2,4-Trimethylbenzene	18.86	105	28415	0.07	ppbv #	87
75) 1,3-Dichlorobenzene	19.14	146	23190	0.09	ppbv	99
76) 1,4-Dichlorobenzene	19.30	146	21528	0.08	ppbv	97
77) 1,2-Dichlorobenzene	20.06	146	20689	0.08	ppbv	95
78) Hexachloro-1,3-Butadiene	24.70	225	10586	0.10	ppbv	97
79) Naphthalene	23.97	128	14899	0.05	ppbv	99
80) Naphthalene,2-methyl-	26.09	142	3330	0.04	ppbv	97
81) 1,2,4-Trichlorobenzene	23.76	180	9684	0.06	ppbv	96

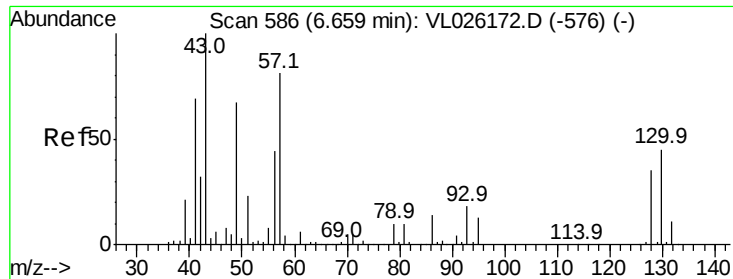
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

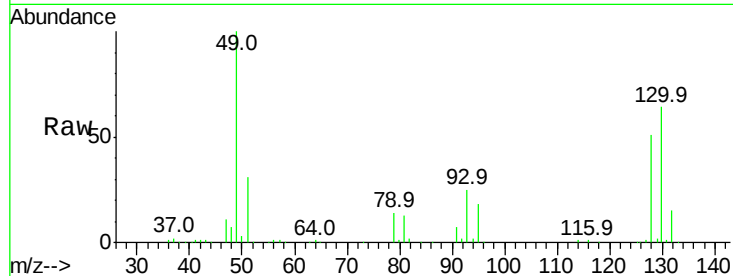
Tgt Ion: 49 Resp: 934367

Ion Ratio Lower Upper

49 100

128 52.1 26.3 78.8

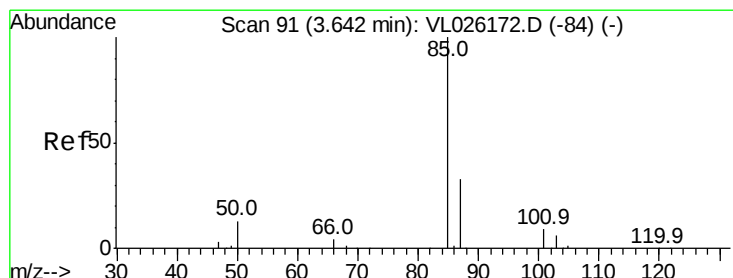
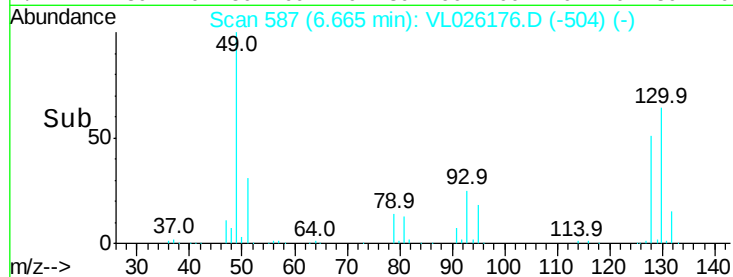
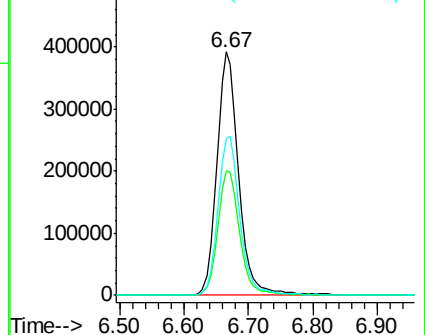
130 66.8 34.2 102.5



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: 0.15 ppbv

RT: 3.65 min Scan# 93

Delta R.T. 0.01 min

Lab File: VL026176.D

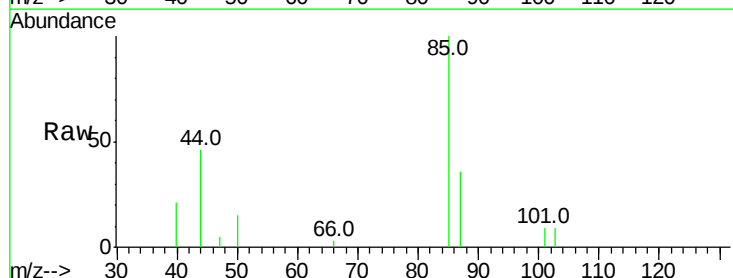
Acq: 9 Oct 2015 13:35

Tgt Ion: 85 Resp: 19881

Ion Ratio Lower Upper

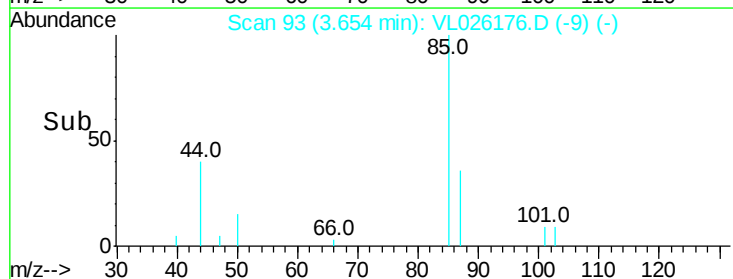
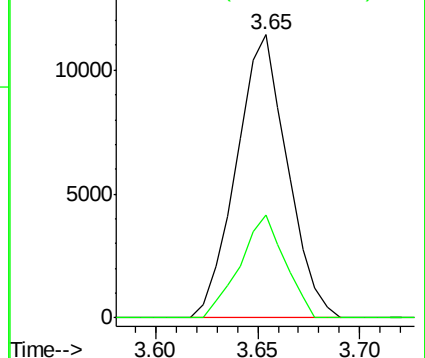
85 100

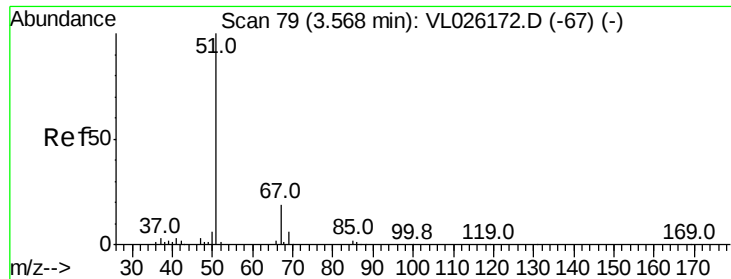
87 36.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.13 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

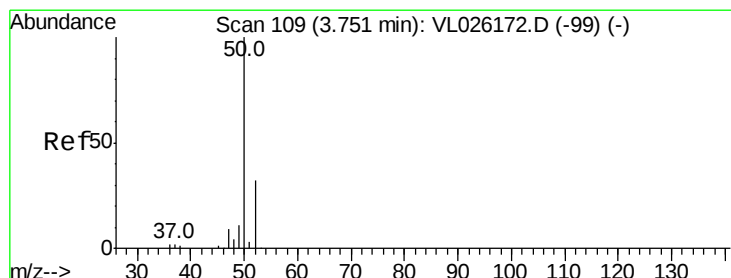
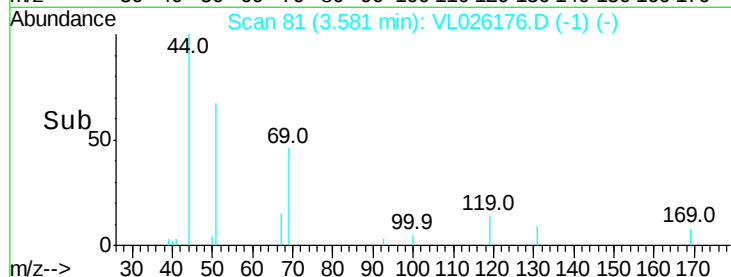
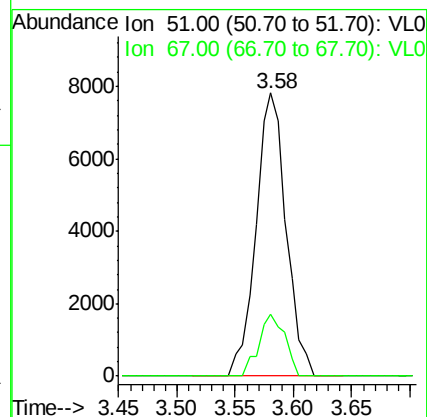
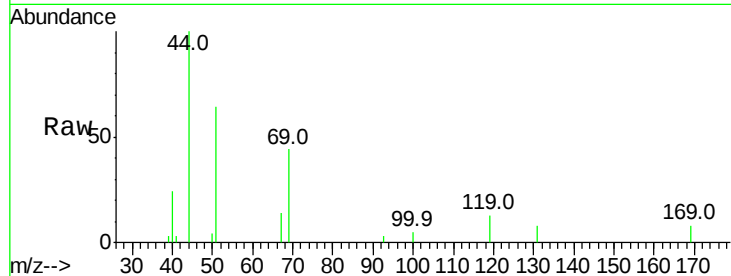
VSTDIC0.1

Tgt Ion: 51 Resp: 14075

Ion Ratio Lower Upper

51 100

67 19.0 14.9 22.3



#4

Chloromethane

Concen: 0.10 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL026176.D

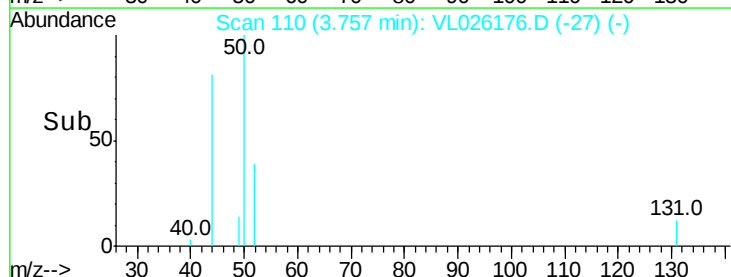
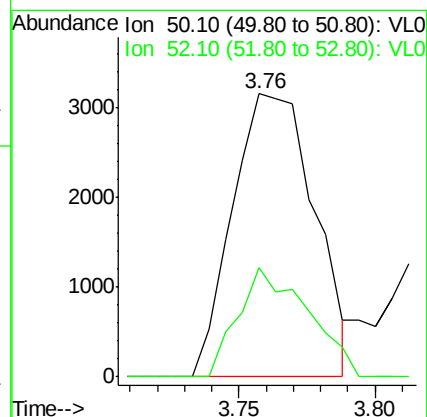
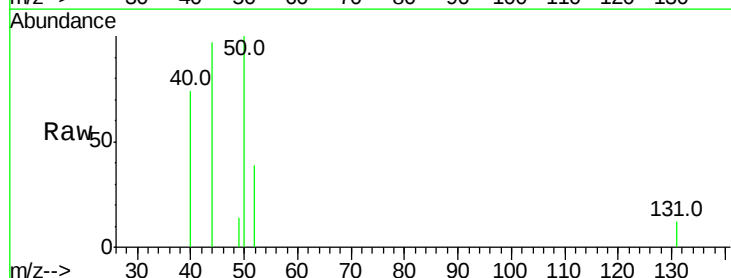
Acq: 9 Oct 2015 13:35

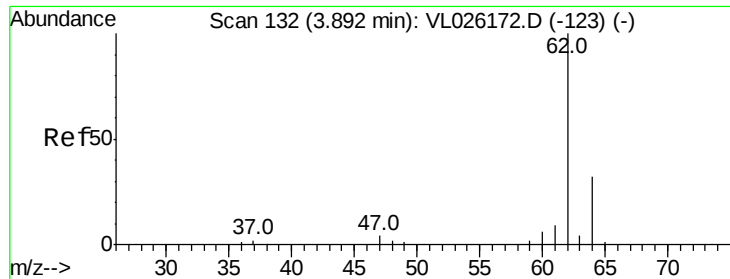
Tgt Ion: 50 Resp: 6565

Ion Ratio Lower Upper

50 100

52 38.6 25.9 38.9





#5

Vinyl Chloride

Concen: 0.09 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

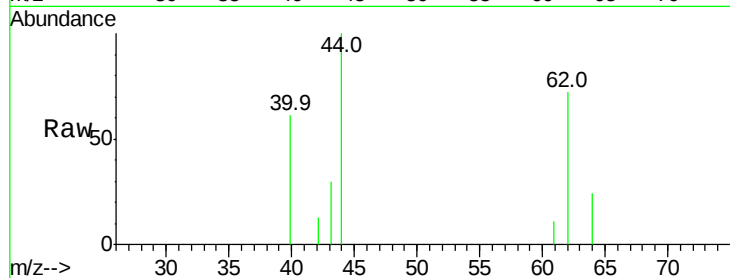
VSTDIC0.1

Tgt Ion: 62 Resp: 5987

Ion Ratio Lower Upper

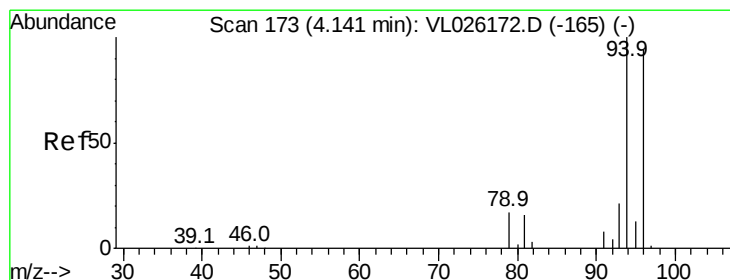
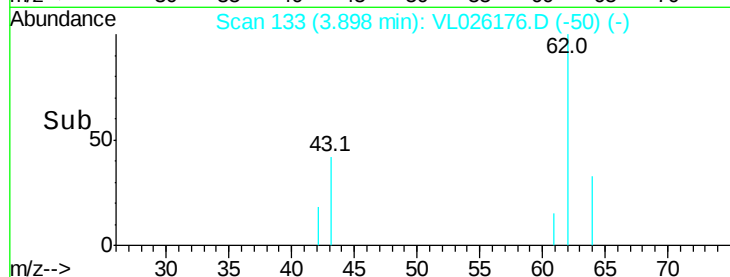
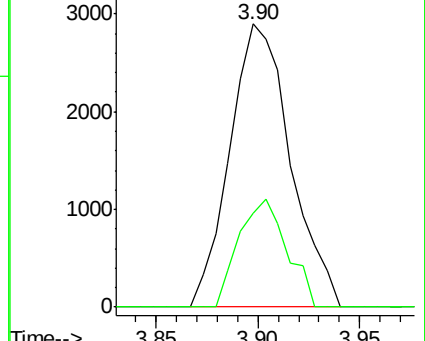
62 100

64 33.3 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.11 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL026176.D

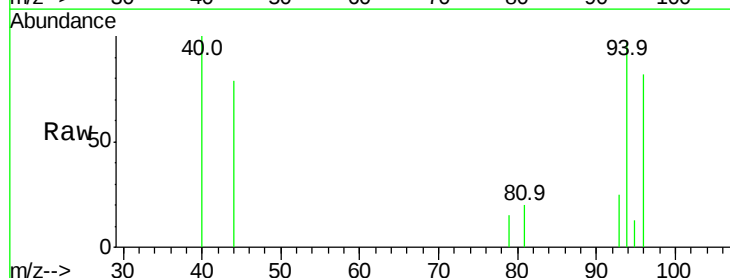
Acq: 9 Oct 2015 13:35

Tgt Ion: 94 Resp: 4613

Ion Ratio Lower Upper

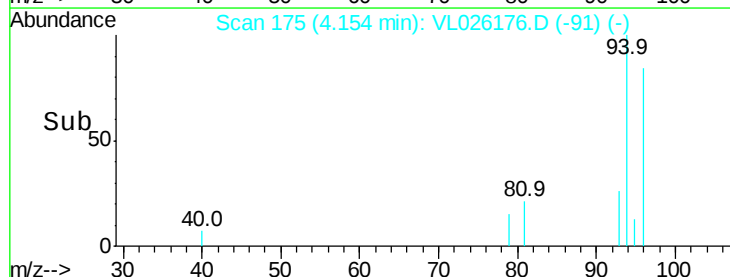
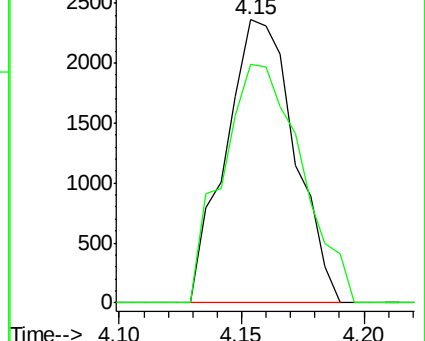
94 100

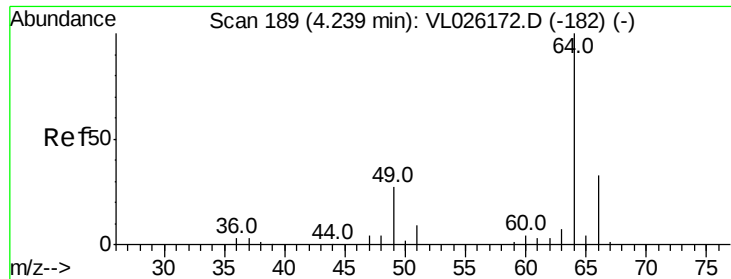
96 84.5 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.10 ppbv

RT: 4.26 min Scan# 192

Delta R.T. 0.02 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

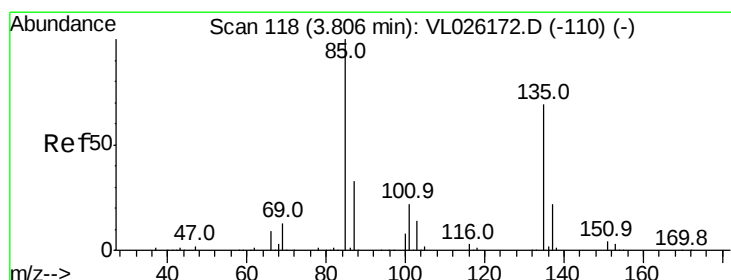
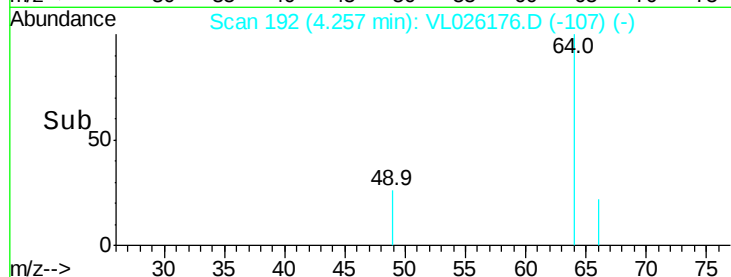
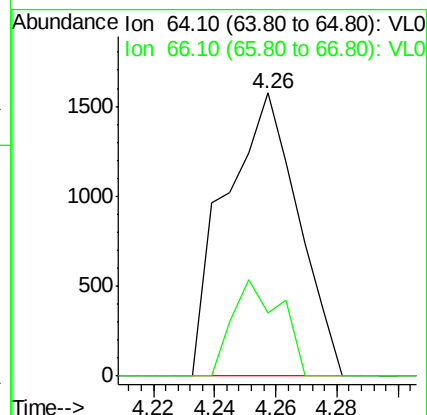
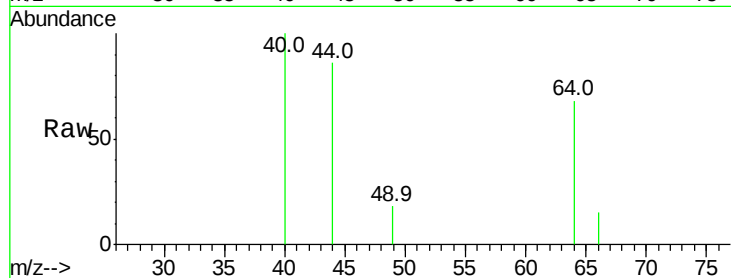
VSTDIC0.1

Tgt Ion: 64 Resp: 2597

Ion Ratio Lower Upper

64 100

66 22.4 26.5 39.7#



#8

Dichlorotetrafluoroethane

Concen: 0.11 ppbv

RT: 3.82 min Scan# 120

Delta R.T. 0.01 min

Lab File: VL026176.D

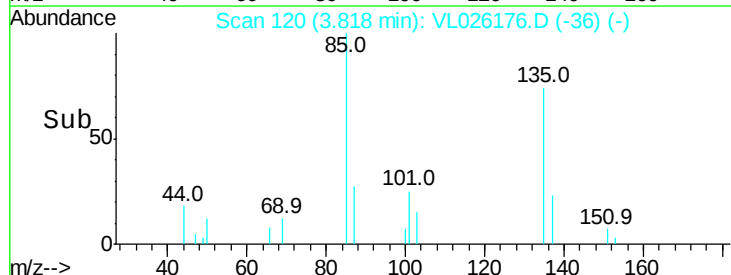
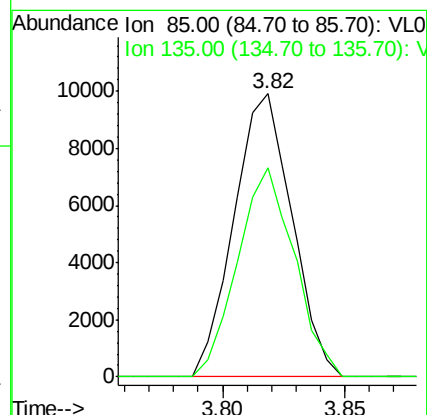
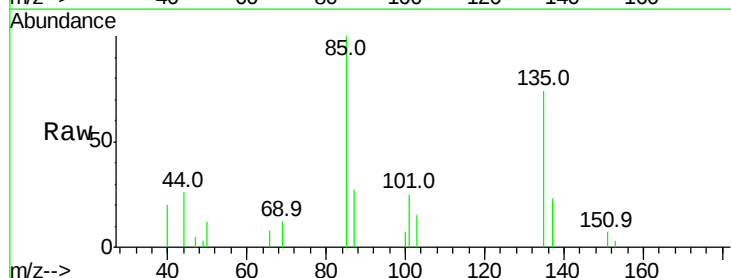
Acq: 9 Oct 2015 13:35

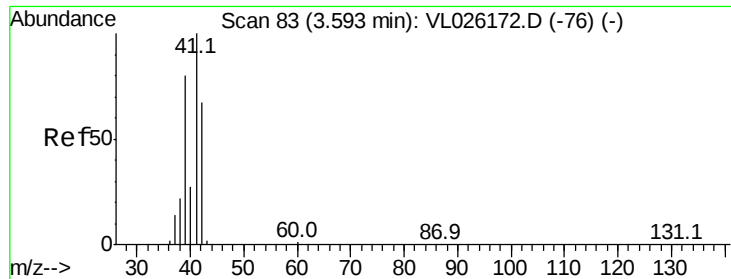
Tgt Ion: 85 Resp: 16361

Ion Ratio Lower Upper

85 100

135 72.4 55.3 82.9





#9

Propene

Concen: 0.11 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

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ClientSampleId :

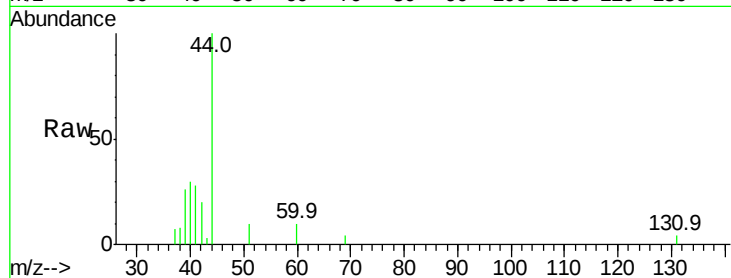
VSTDIC0.1

Tgt Ion: 41 Resp: 5899

Ion Ratio Lower Upper

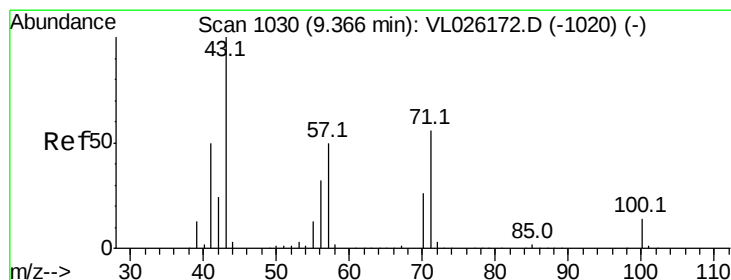
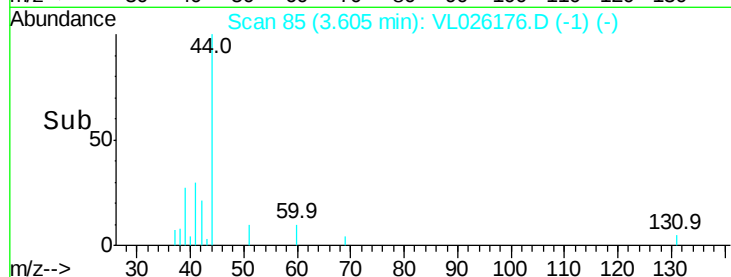
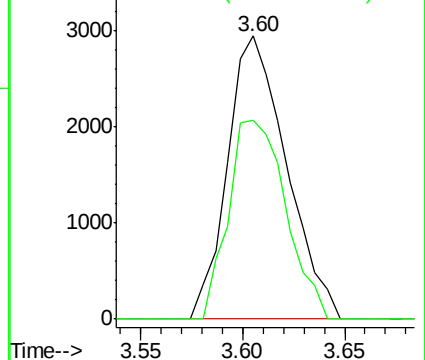
41 100

42 68.1 53.6 80.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.07 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VL026176.D

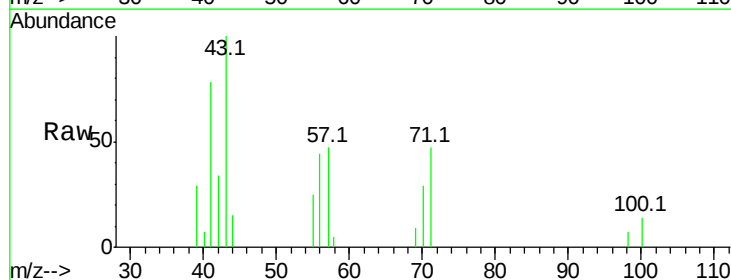
Acq: 9 Oct 2015 13:35

Tgt Ion: 43 Resp: 12953

Ion Ratio Lower Upper

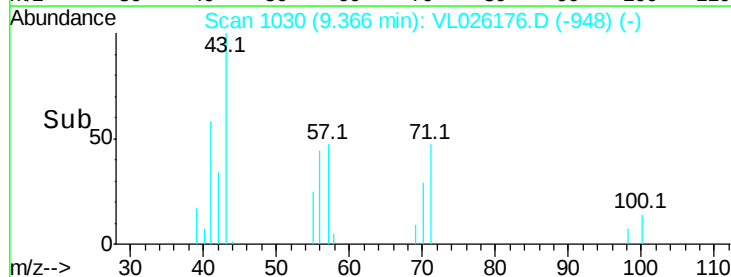
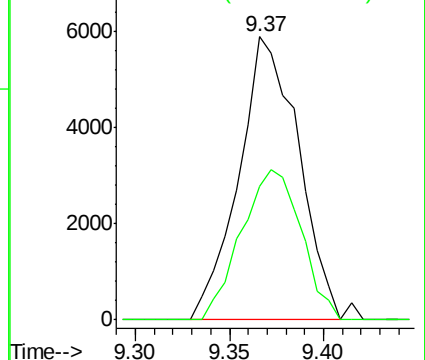
43 100

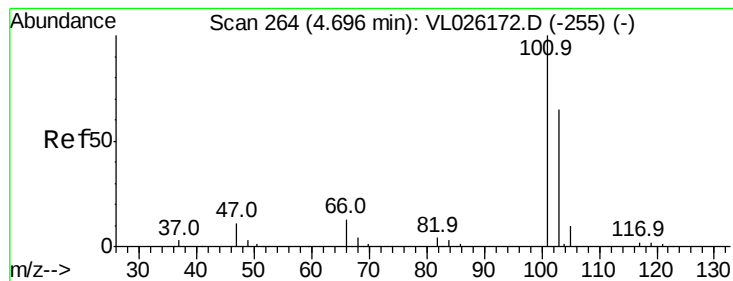
57 53.1 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.12 ppbv

RT: 4.71 min Scan# 266

Delta R.T. 0.01 min

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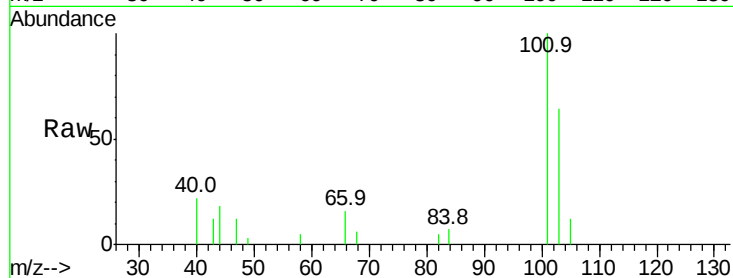
VSTDIC0.1

Tgt Ion:101 Resp: 18052

Ion Ratio Lower Upper

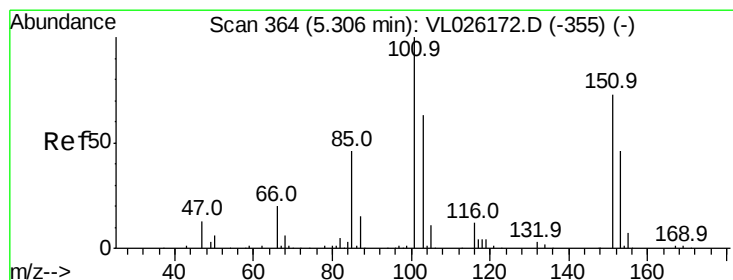
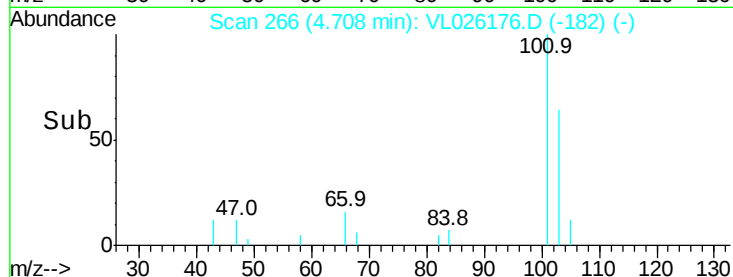
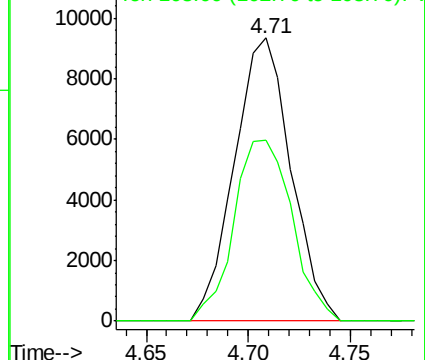
101 100

103 64.1 51.9 77.9



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: 0.12 ppbv

RT: 5.32 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL026176.D

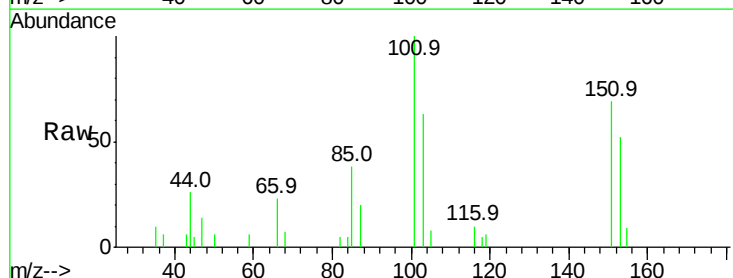
Acq: 9 Oct 2015 13:35

Tgt Ion:101 Resp: 12525

Ion Ratio Lower Upper

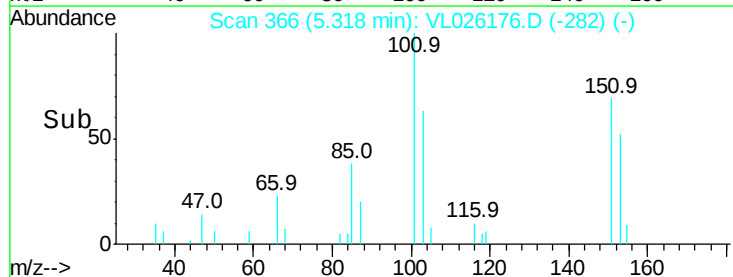
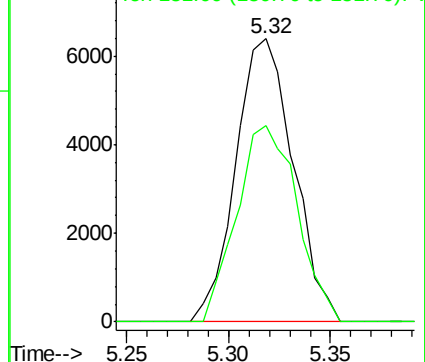
101 100

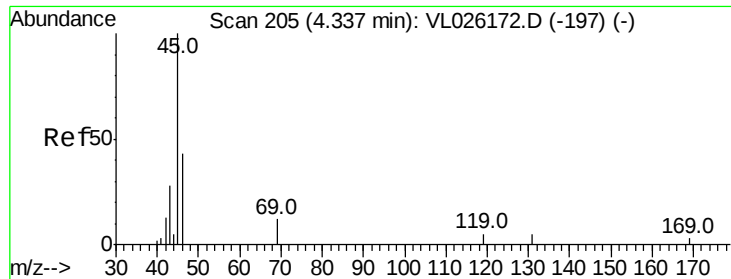
151 72.6 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.04 ppbv

RT: 4.37 min Scan# 211

Delta R.T. 0.04 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

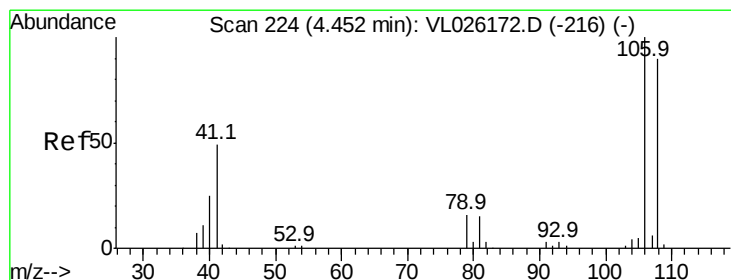
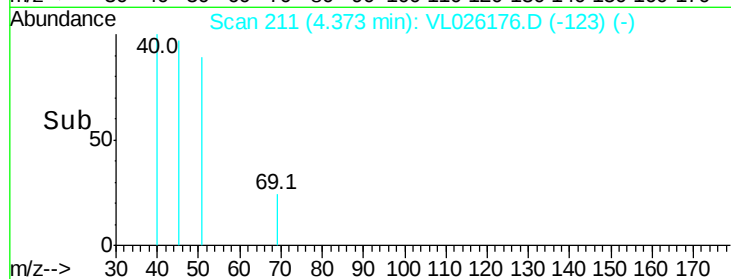
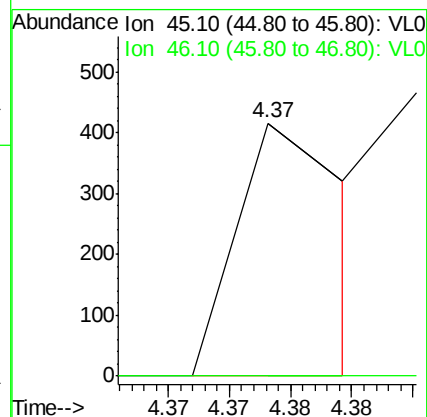
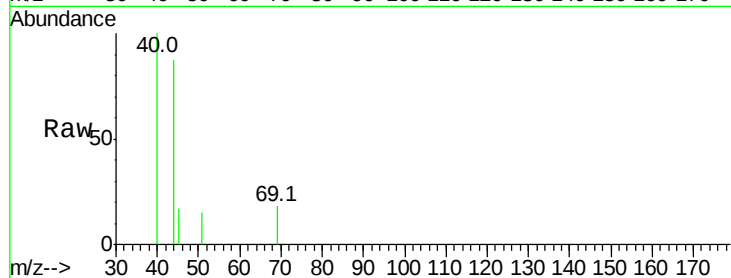
VSTDIC0.1

Tgt Ion: 45 Resp: 269

Ion Ratio Lower Upper

45 100

46 0.0 18.1 72.5#



#14

Bromoethene

Concen: 0.10 ppbv

RT: 4.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

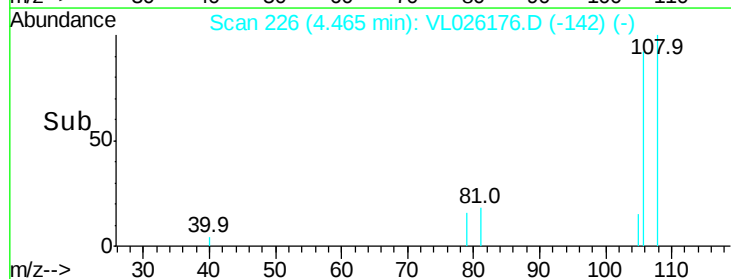
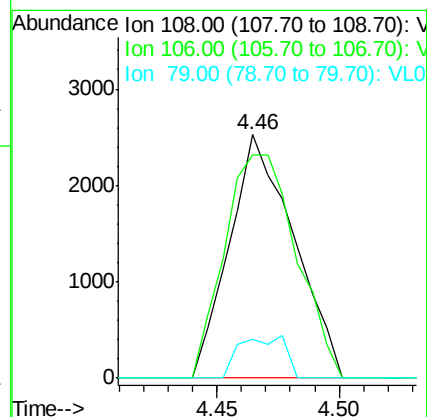
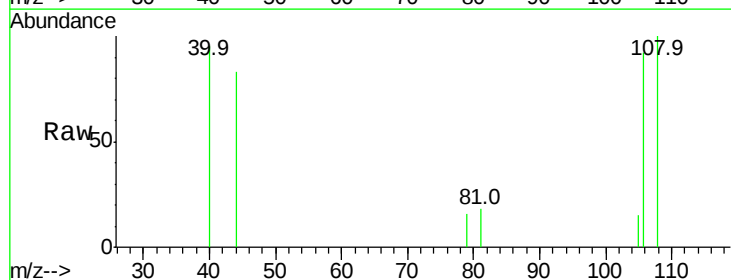
Tgt Ion: 108 Resp: 4628

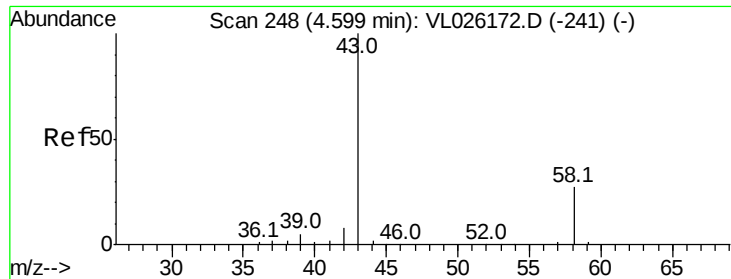
Ion Ratio Lower Upper

108 100

106 102.3 85.9 128.9

79 12.2 14.0 21.0#





#15

Acetone

Concen: 0.32 ppbv

RT: 4.66 min Scan# 258

Delta R.T. 0.06 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

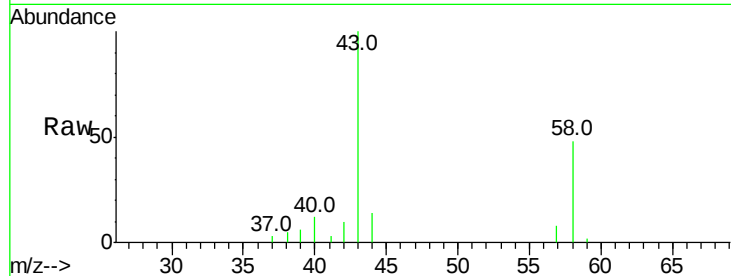
VSTDIC0.1

Tgt Ion: 43 Resp: 37682

Ion Ratio Lower Upper

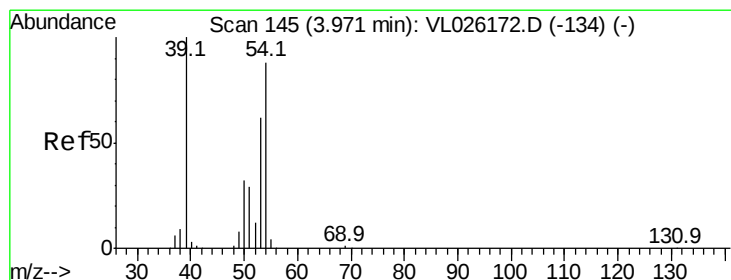
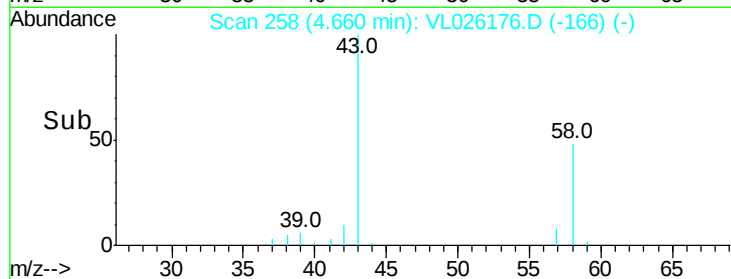
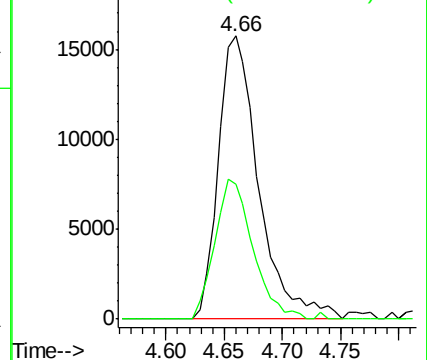
43 100

58 46.9 22.0 33.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.07 ppbv

RT: 3.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL026176.D

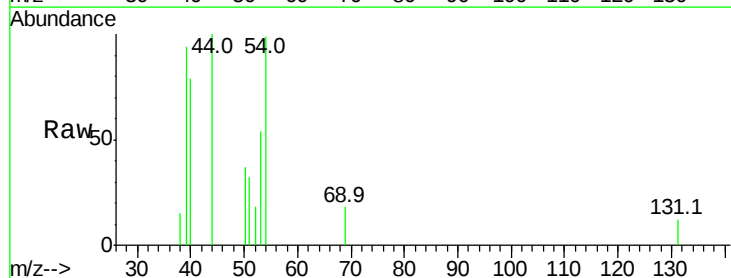
Acq: 9 Oct 2015 13:35

Tgt Ion: 39 Resp: 4116

Ion Ratio Lower Upper

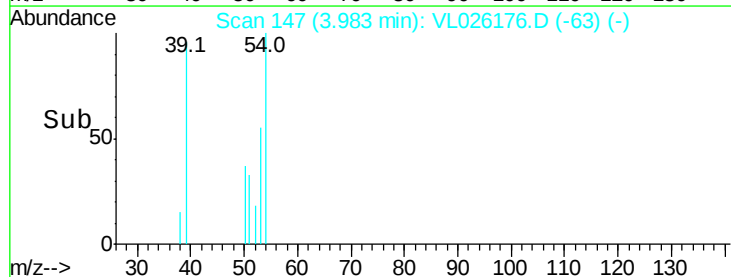
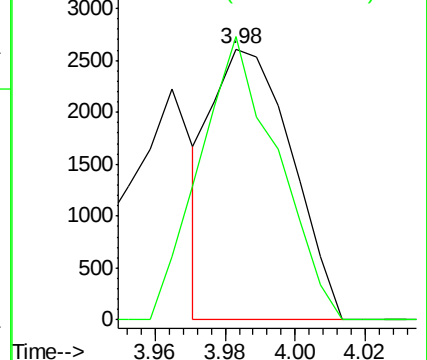
39 100

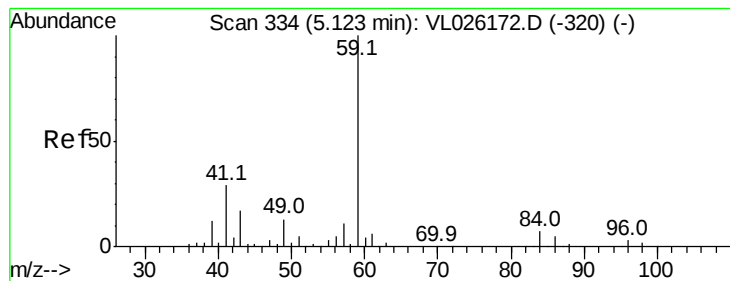
54 102.7 67.9 101.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.06 ppbv

RT: 5.22 min Scan# 350

Delta R.T. 0.10 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

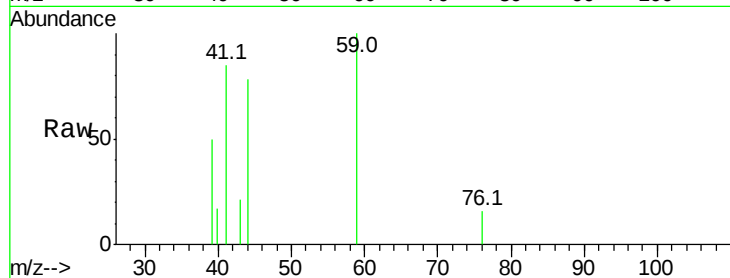
VSTDIC0.1

Tgt Ion: 59 Resp: 4433

Ion Ratio Lower Upper

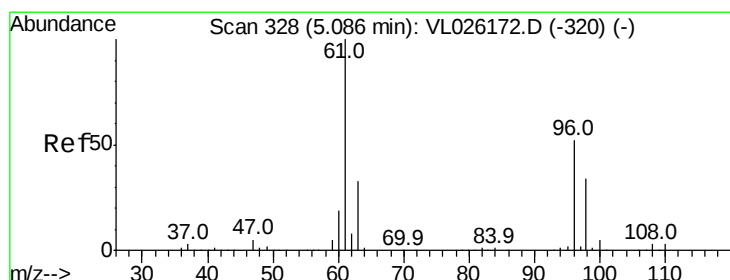
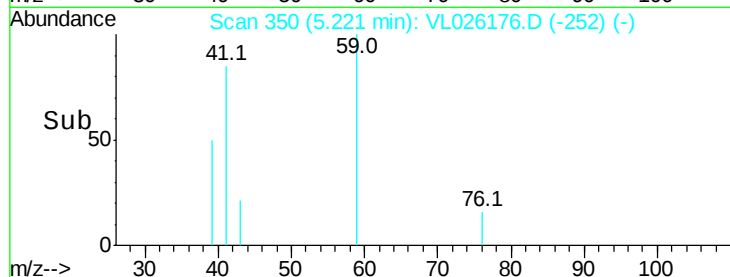
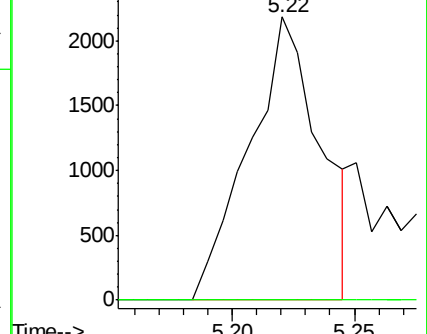
59 100

57 0.0 8.8 13.2#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.11 ppbv

RT: 5.10 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

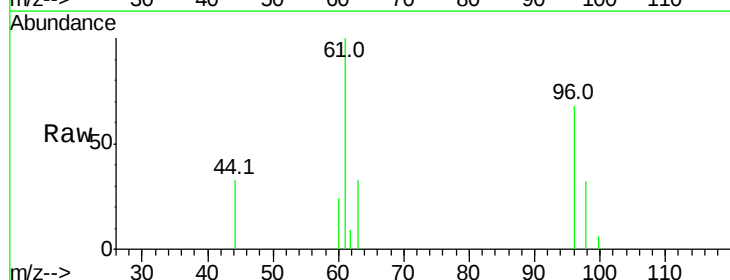
Tgt Ion: 96 Resp: 5653

Ion Ratio Lower Upper

96 100

61 147.5 153.2 229.8#

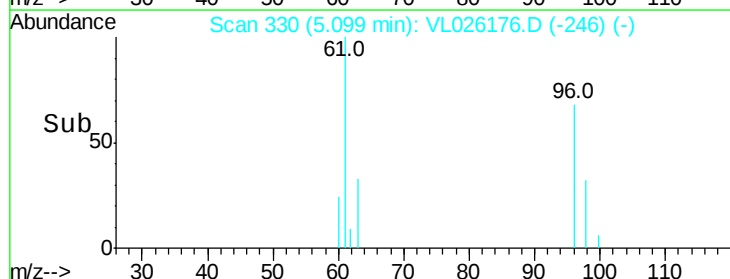
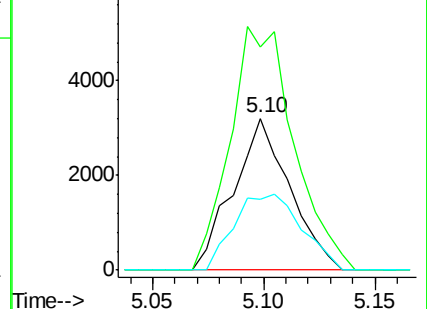
98 47.1 52.1 78.1#

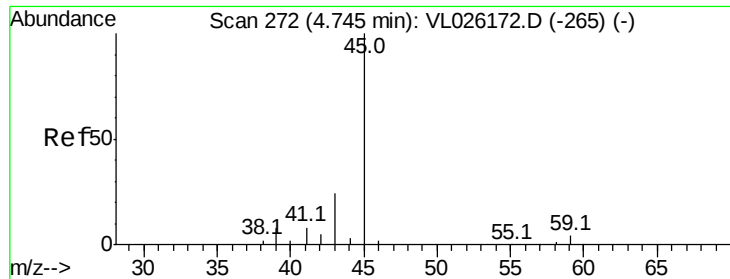


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.09 ppbv

RT: 4.84 min Scan# 287

Delta R.T. 0.09 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

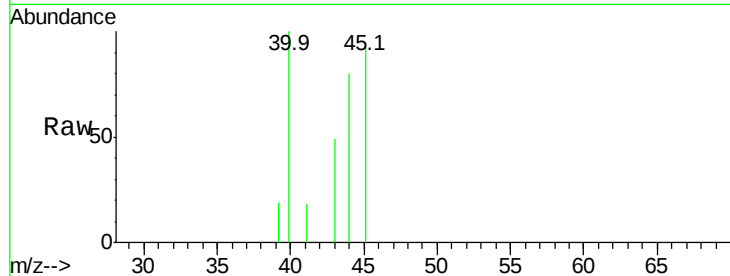
VSTDIC0.1

Tgt Ion: 45 Resp: 4524

Ion Ratio Lower Upper

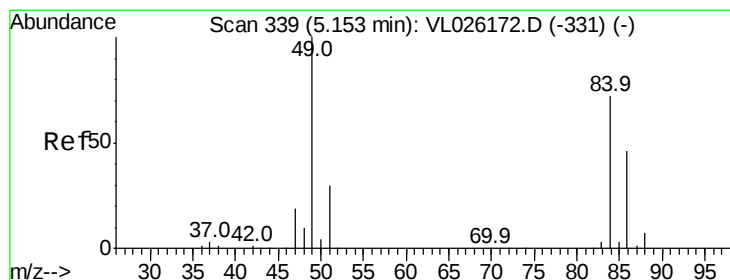
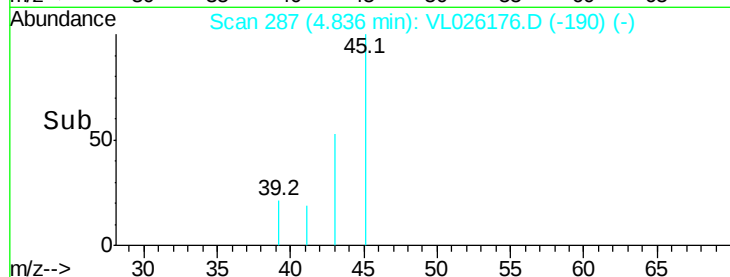
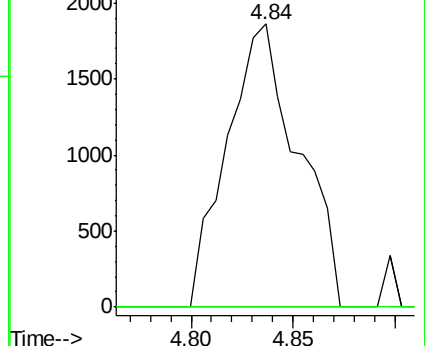
45 100

58 390.5 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.15 ppbv

RT: 5.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Tgt Ion: 84 Resp: 7479

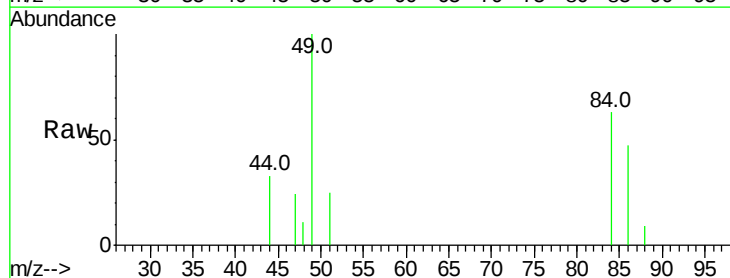
Ion Ratio Lower Upper

84 100

49 158.1 111.3 166.9

51 39.2 33.0 49.6

86 73.8 51.6 77.4

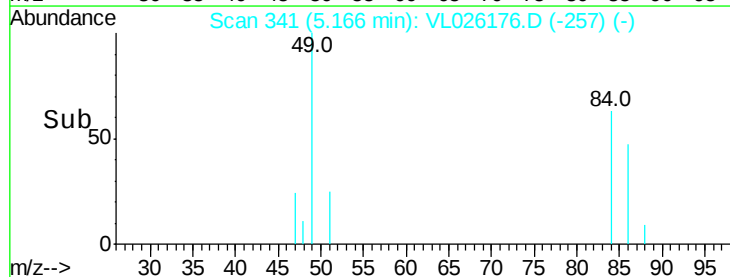
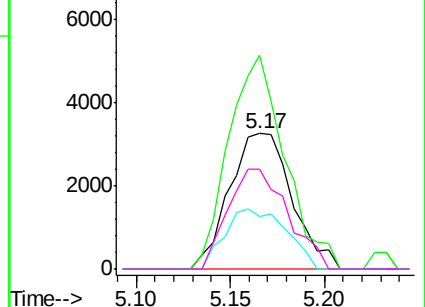


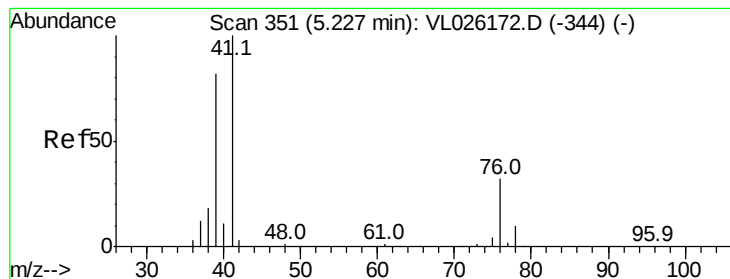
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.12 ppbv

RT: 5.24 min Scan# 354

Delta R.T. 0.02 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

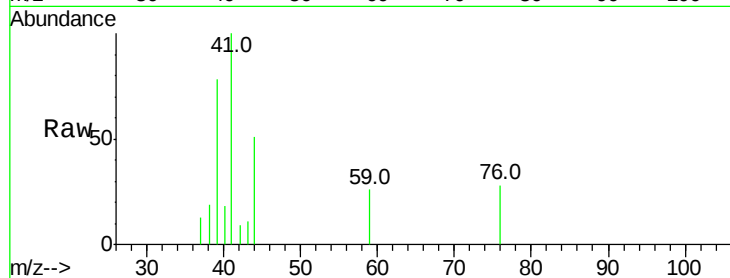
Tgt Ion: 41 Resp: 9497

Ion Ratio Lower Upper

41 100

76 24.4 25.4 38.2#

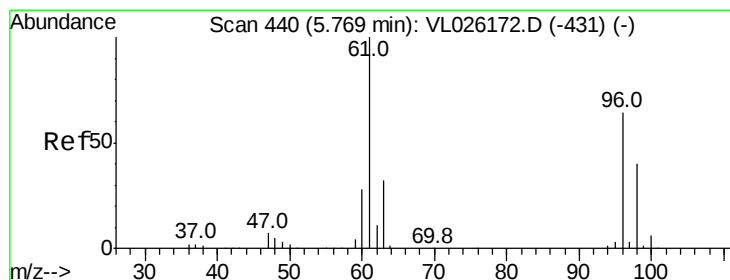
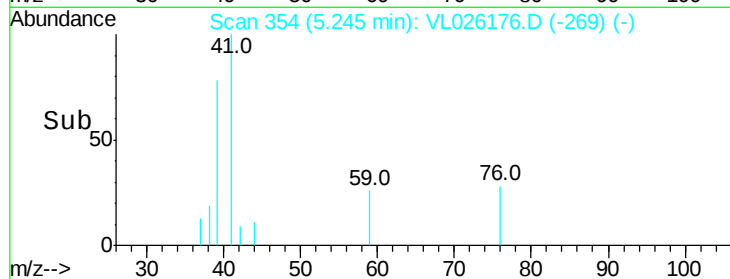
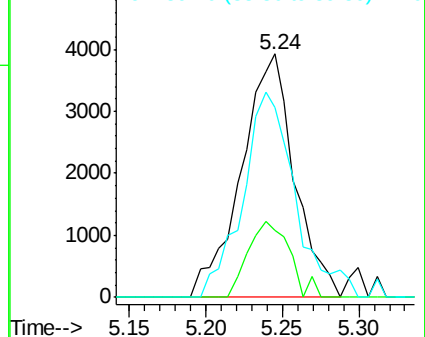
39 84.4 66.5 99.7



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: 0.09 ppbv

RT: 5.78 min Scan# 442

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

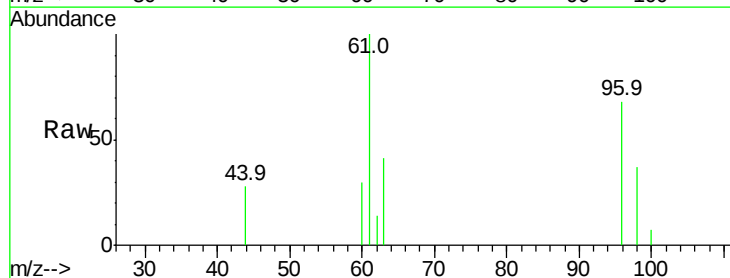
Tgt Ion: 96 Resp: 5855

Ion Ratio Lower Upper

96 100

61 134.3 125.8 188.6

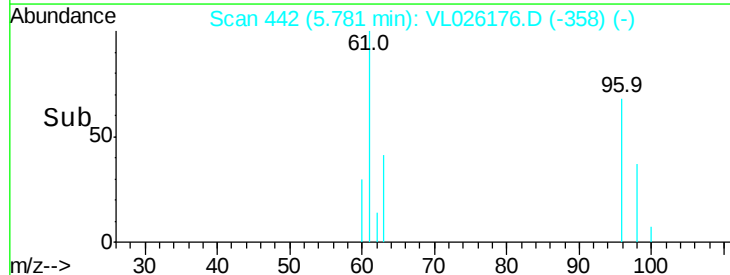
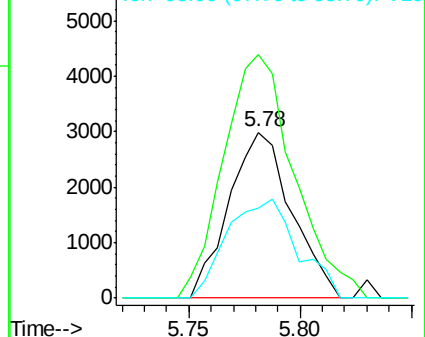
98 54.2 50.6 75.8

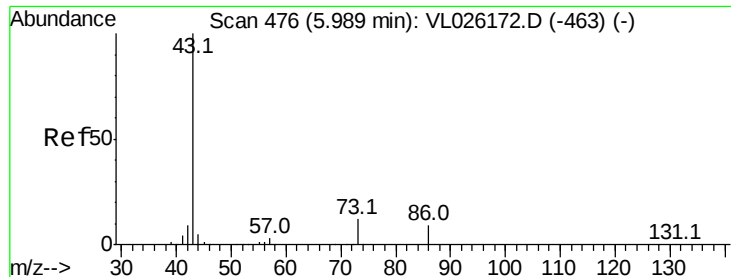


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.09 ppbv

RT: 6.02 min Scan# 481

Delta R.T. 0.03 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 43 Resp: 18803

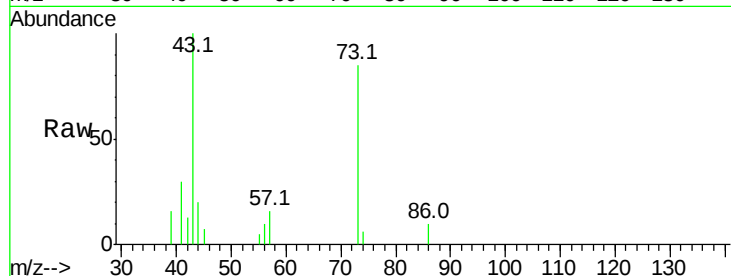
Ion Ratio Lower Upper

43 100

86 9.8 7.2 10.8

42 12.6 7.4 11.2#

44 6.8 3.9 5.9#

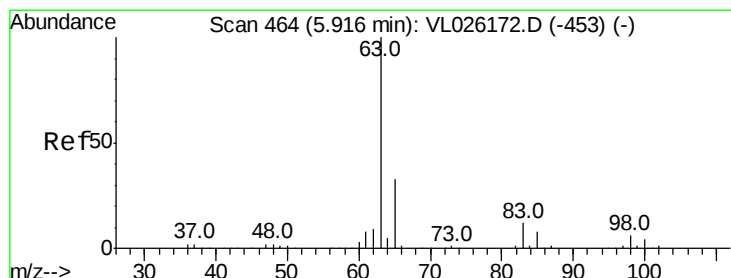
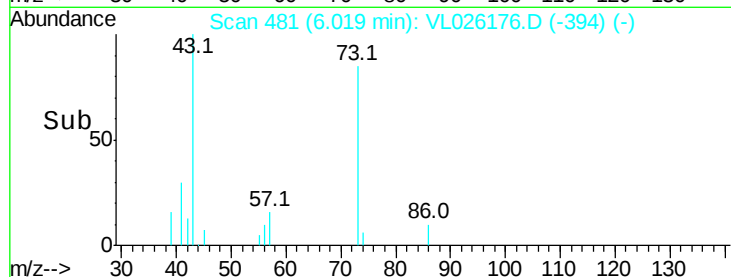
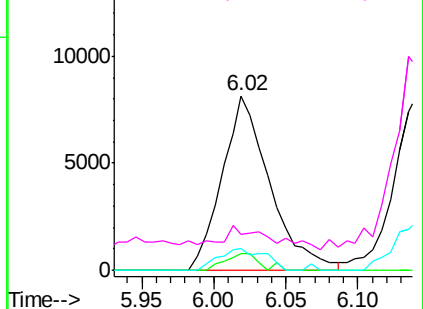


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.10 ppbv

RT: 5.93 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

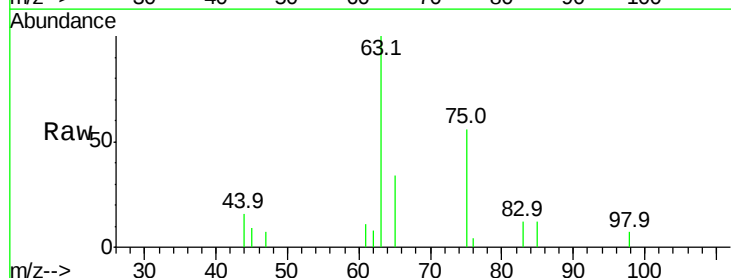
Tgt Ion: 63 Resp: 14193

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

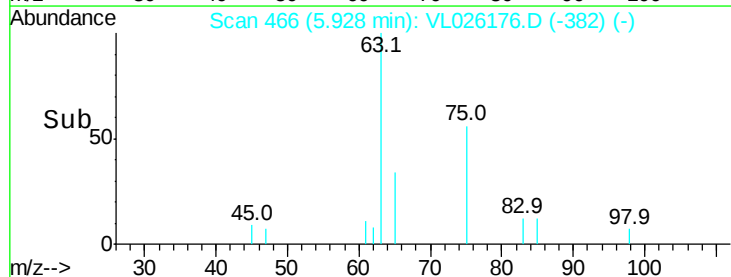
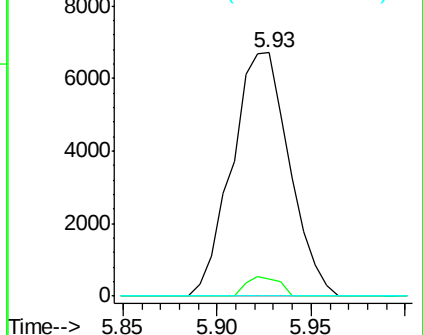
100 0.0 1.8 5.5#

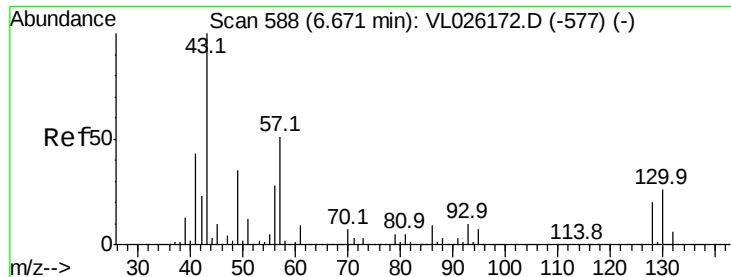


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

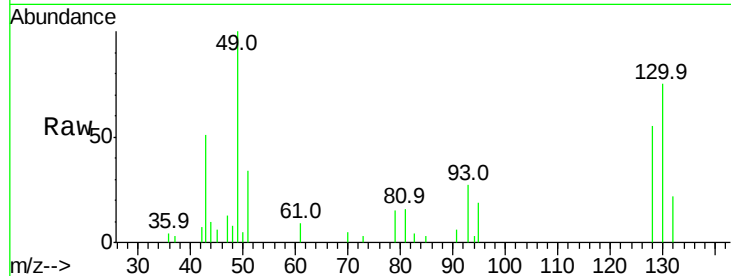




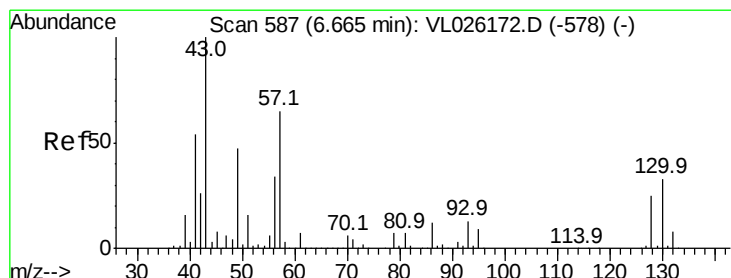
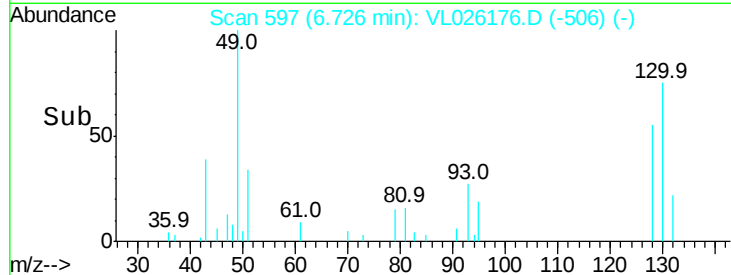
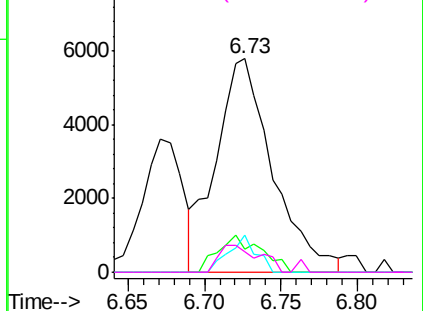
#25
Ethyl Acetate
Concen: 0.06 ppbv
RT: 6.73 min Scan# 597
Delta R.T. 0.05 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 43 Resp: 14850
Ion Ratio Lower Upper
43 100
45 13.1 7.7 11.5#
61 8.5 7.4 11.2
70 10.0 6.6 9.8#

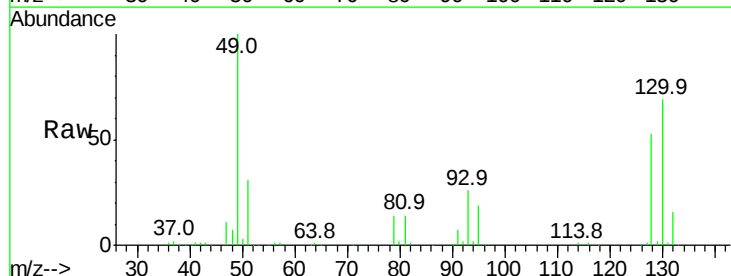


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

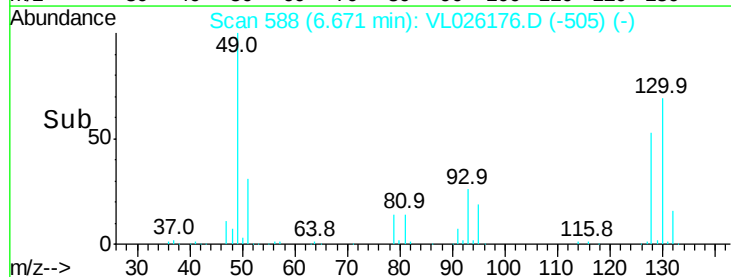
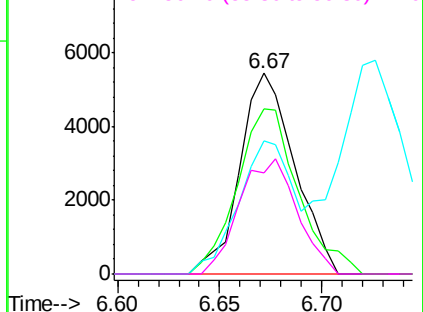


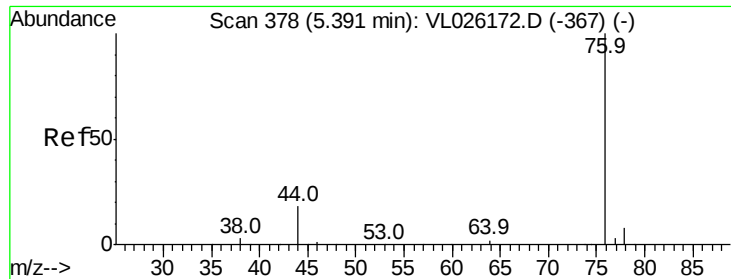
#26
Hexane
Concen: 0.09 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Tgt Ion: 57 Resp: 10157
Ion Ratio Lower Upper
57 100
41 92.1 68.0 102.0
43 216.2 164.4 246.6
56 60.4 42.7 64.1



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: 0.09 ppbv

RT: 5.41 min Scan# 381

Delta R.T. 0.02 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

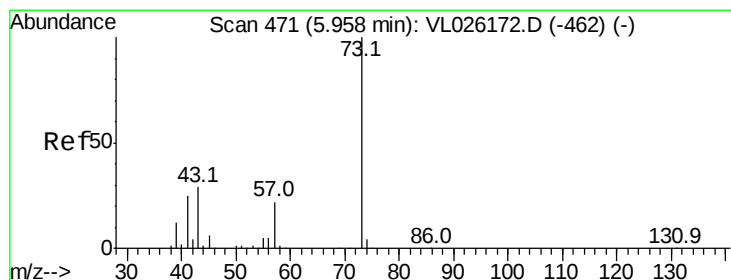
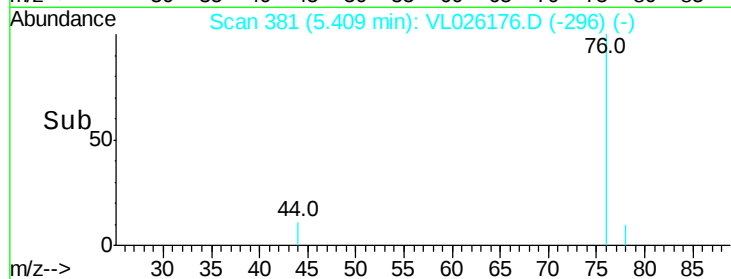
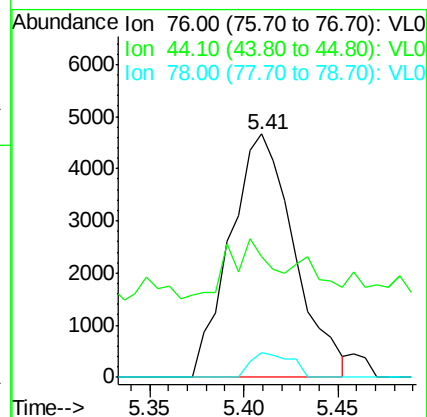
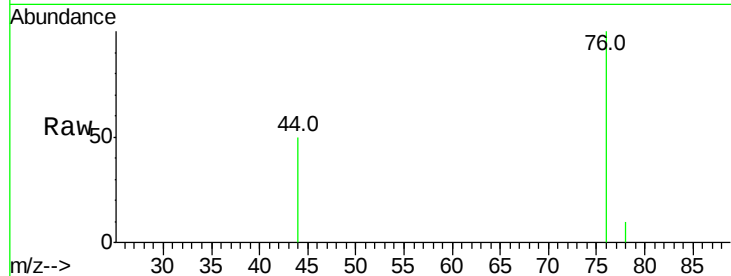
Tgt Ion: 76 Resp: 10985

Ion Ratio Lower Upper

76 100

44 68.3 14.2 21.4#

78 6.3 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.08 ppbv

RT: 6.02 min Scan# 481

Delta R.T. 0.06 min

Lab File: VL026176.D

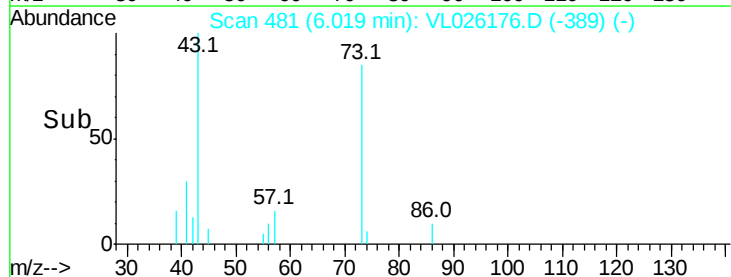
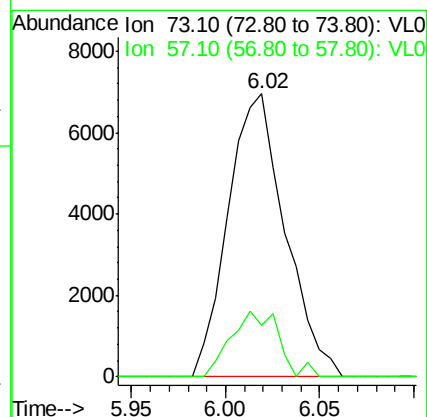
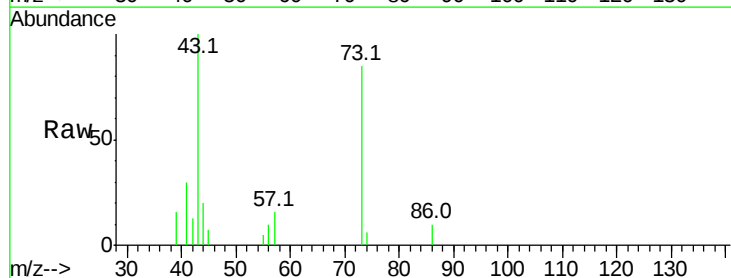
Acq: 9 Oct 2015 13:35

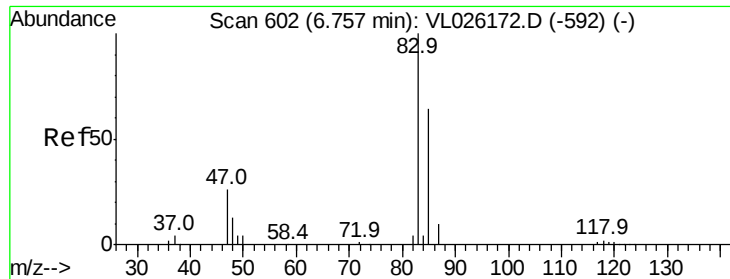
Tgt Ion: 73 Resp: 14624

Ion Ratio Lower Upper

73 100

57 19.5 17.8 26.6

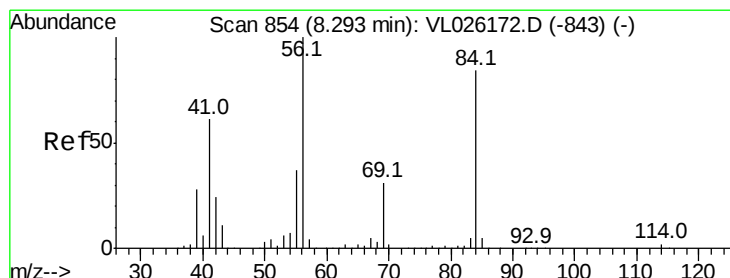
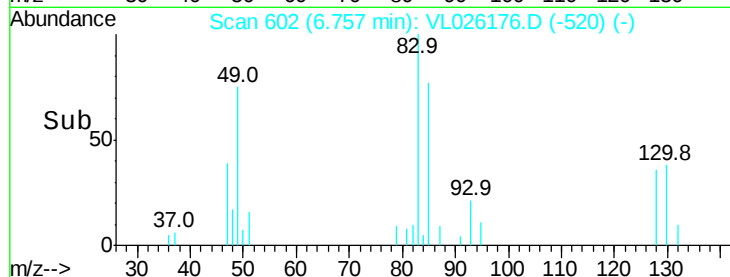
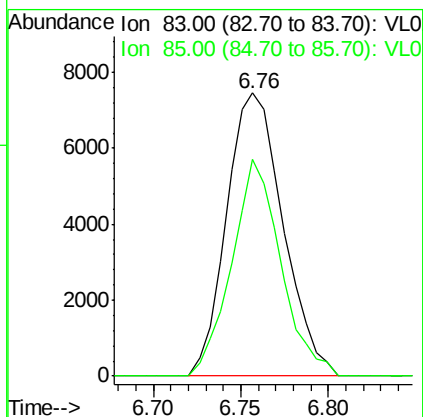
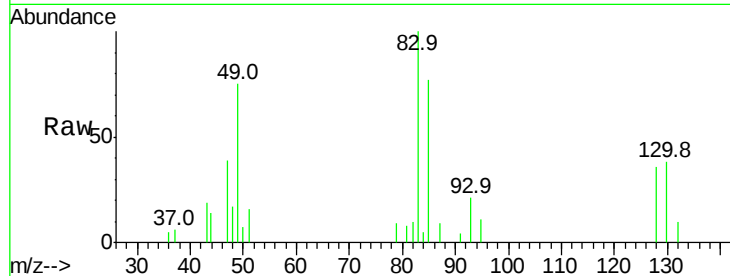




#29
Chloroform
Concen: 0.10 ppbv
RT: 6.76 min Scan# 602
Delta R.T. -0.00 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

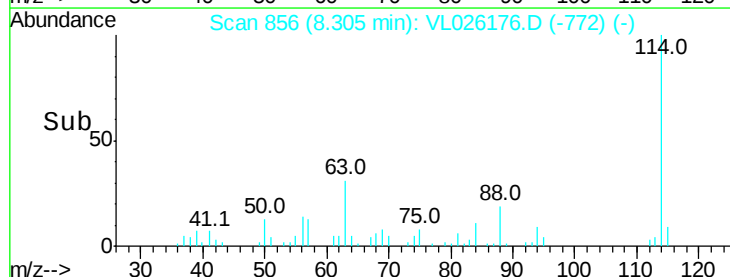
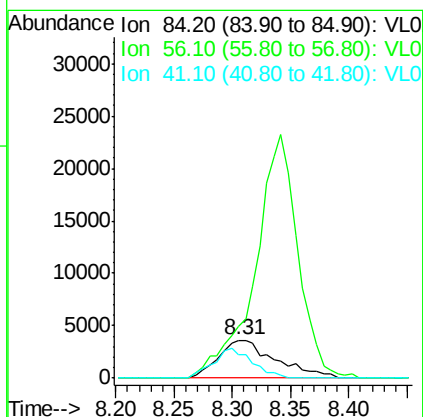
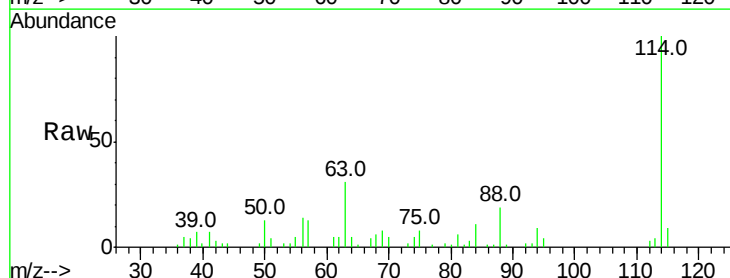
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

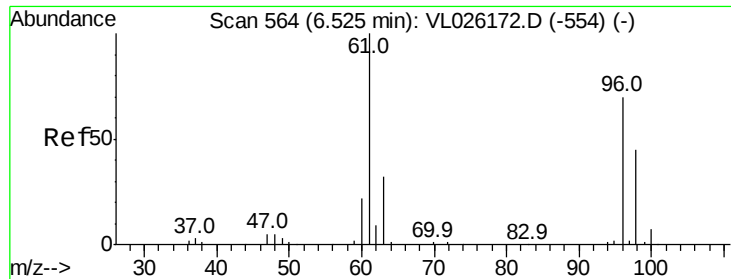
Tgt Ion: 83 Resp: 16735
Ion Ratio Lower Upper
83 100
85 76.6 51.5 77.3



#30
Cyclohexane
Concen: 0.11 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Tgt Ion: 84 Resp: 12418
Ion Ratio Lower Upper
84 100
56 476.2 99.8 149.8#
41 53.3 58.1 87.1#

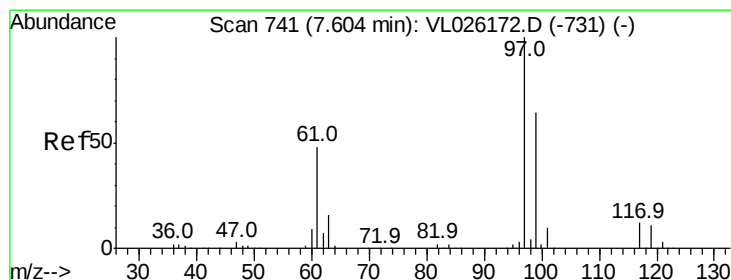
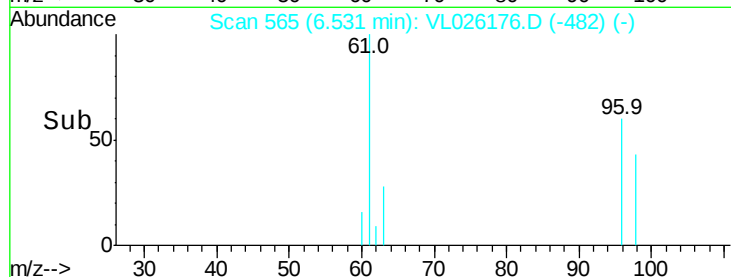
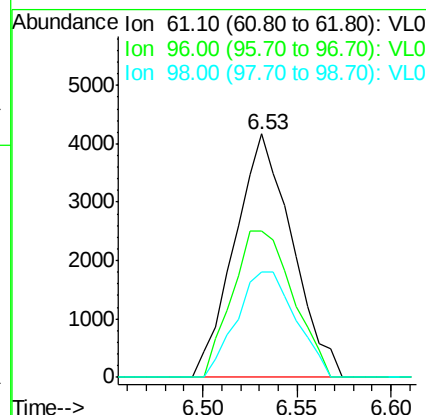
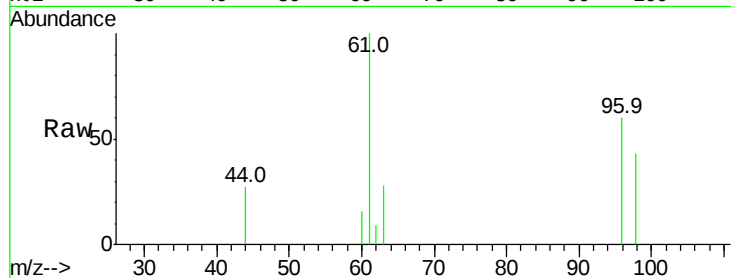




#31
 cis-1,2-Dichloroethene
 Concen: 0.08 ppbv
 RT: 6.53 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

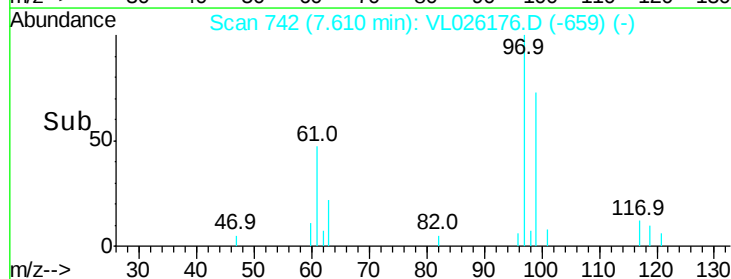
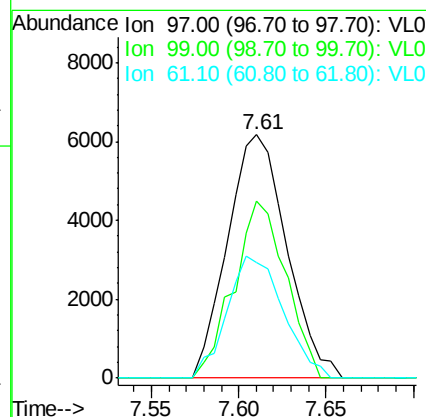
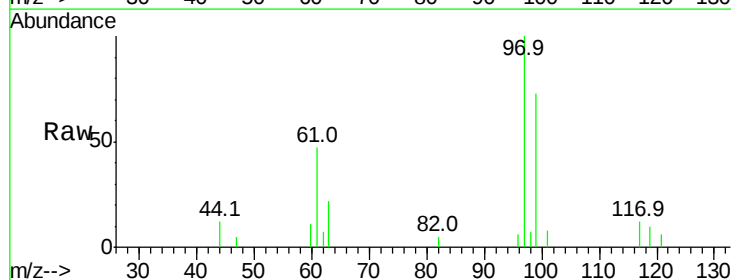
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

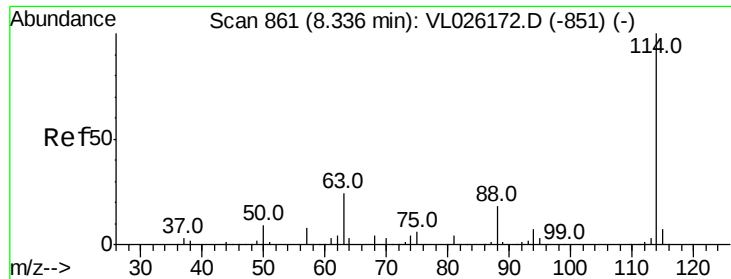
Tgt Ion: 61 Resp: 8834
 Ion Ratio Lower Upper
 61 100
 96 60.3 55.8 83.8
 98 43.2 35.8 53.6



#32
 1,1,1-Trichloroethane
 Concen: 0.09 ppbv
 RT: 7.61 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion: 97 Resp: 14558
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 47.4 38.7 58.1

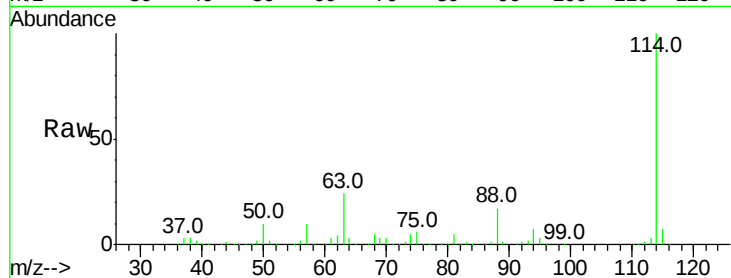




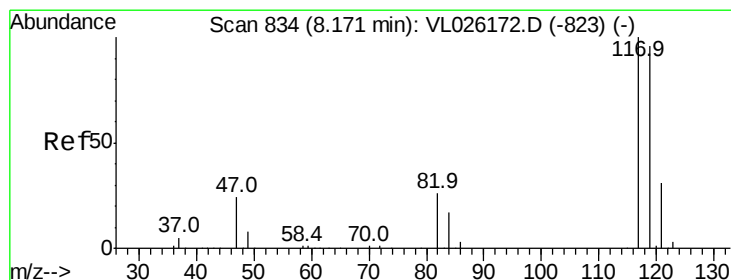
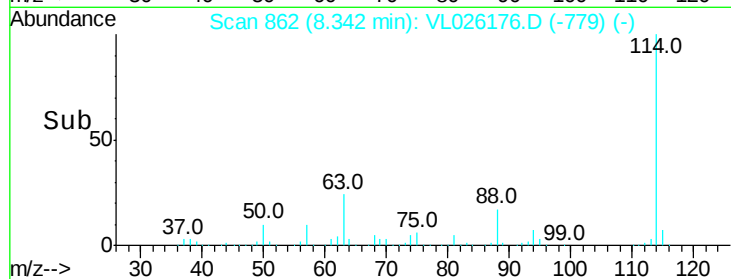
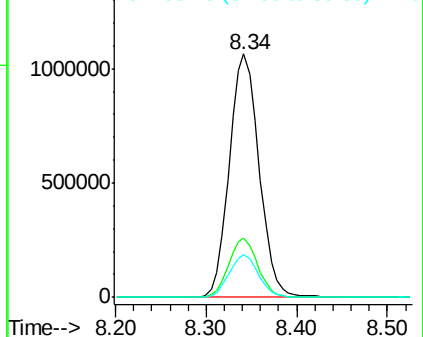
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:114 Resp: 2446465
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.0 28.6
 88 17.2 13.8 20.8

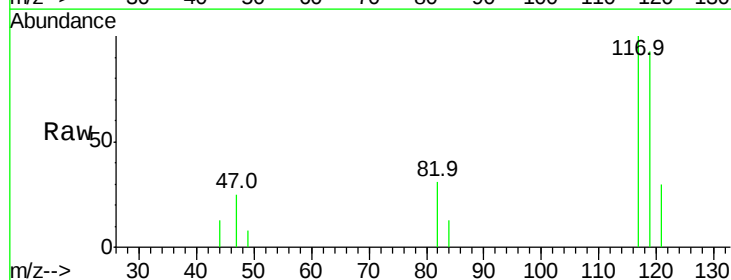


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

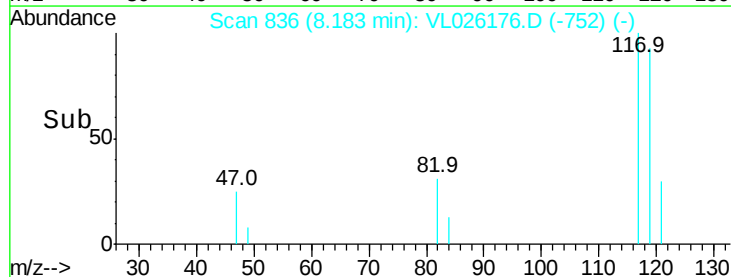
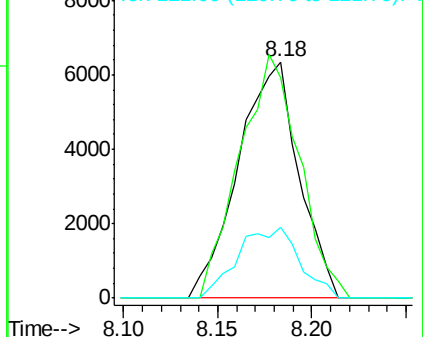


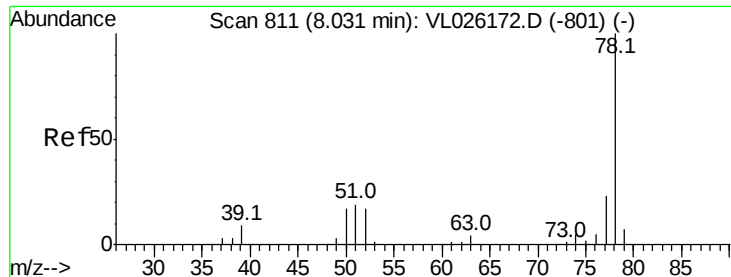
#35
 Carbon Tetrachloride
 Concen: 0.09 ppbv
 RT: 8.18 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion:117 Resp: 14154
 Ion Ratio Lower Upper
 117 100
 119 93.1 76.6 115.0
 121 30.0 25.0 37.4



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: 0.08 ppbv

RT: 8.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

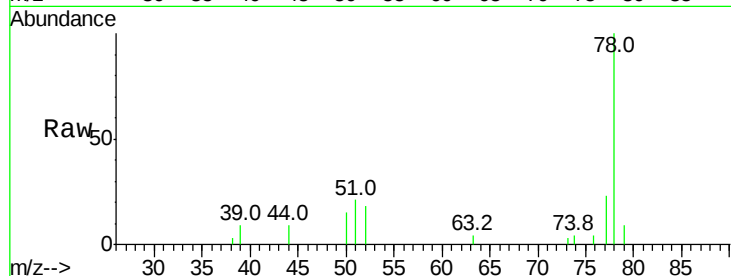
Tgt Ion: 78 Resp: 21932

Ion Ratio Lower Upper

78 100

77 23.2 18.2 27.4

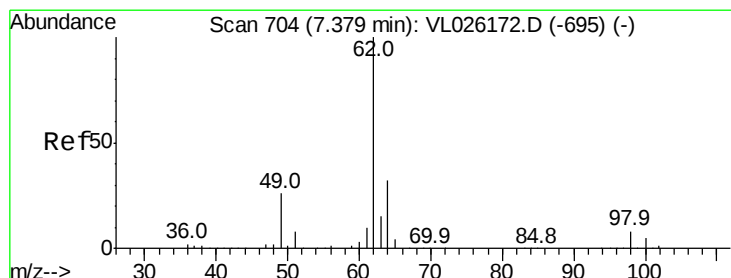
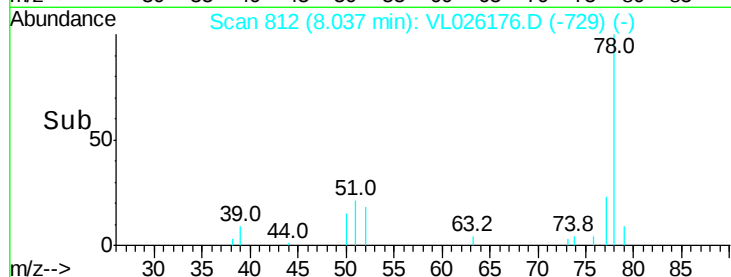
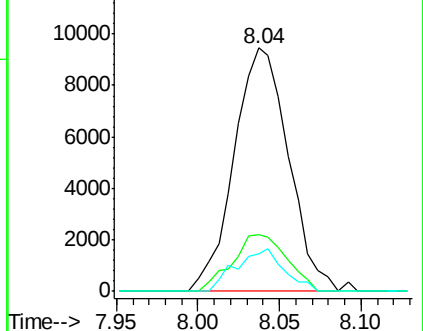
50 15.3 13.4 20.2



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: 0.10 ppbv

RT: 7.39 min Scan# 706

Delta R.T. 0.01 min

Lab File: VL026176.D

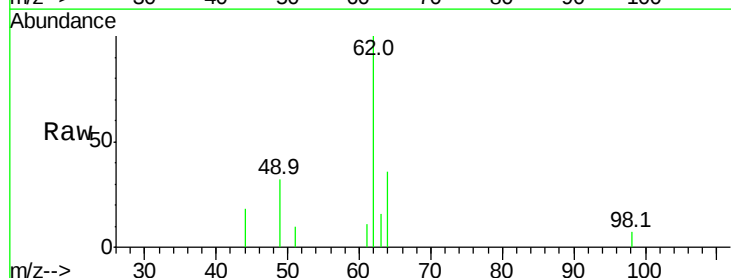
Acq: 9 Oct 2015 13:35

Tgt Ion: 62 Resp: 12696

Ion Ratio Lower Upper

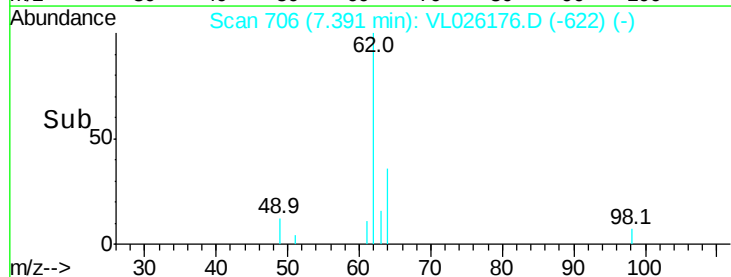
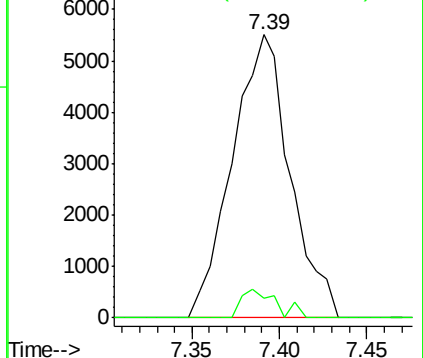
62 100

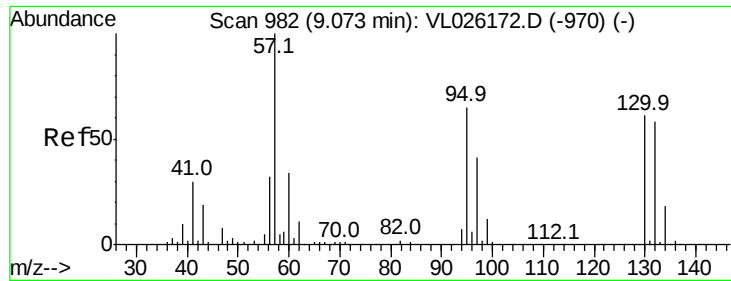
98 6.0 6.2 9.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.10 ppbv

RT: 9.07 min Scan# 982

Delta R.T. -0.00 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:130 Resp: 11130

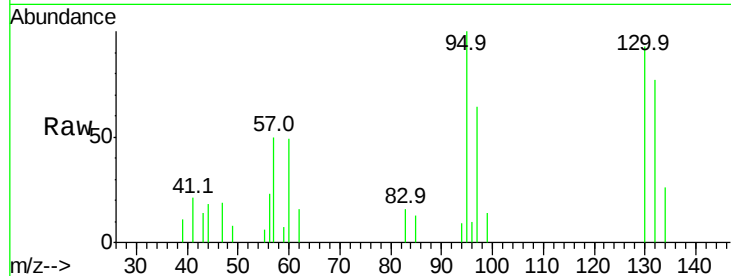
Ion Ratio Lower Upper

130 100

95 108.0 84.9 127.3

132 83.2 76.8 115.2

97 69.4 54.1 81.1

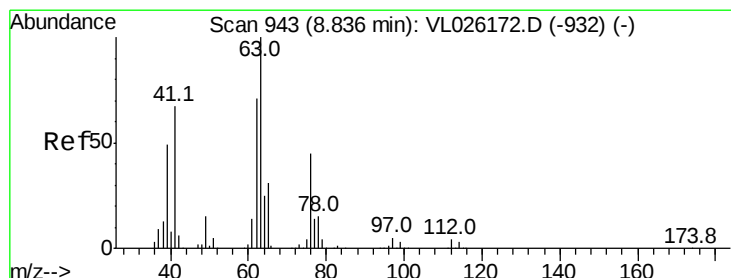
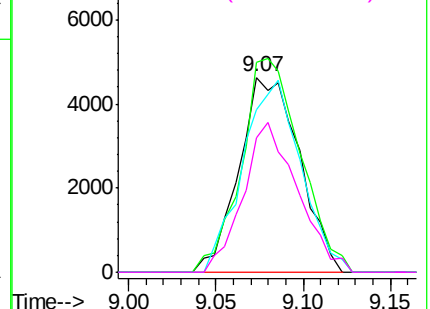
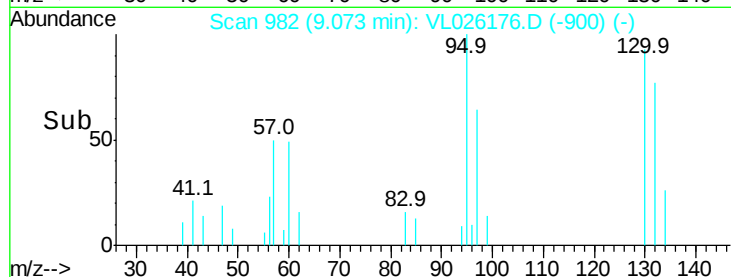


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.10 ppbv

RT: 8.84 min Scan# 944

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

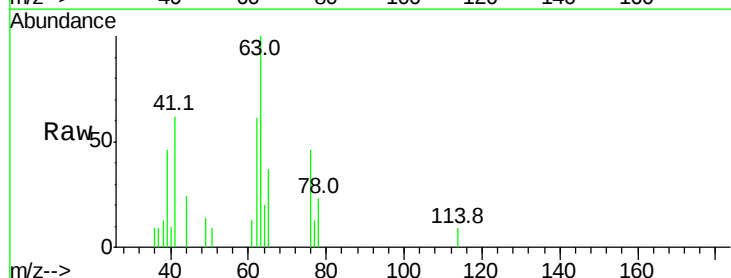
Tgt Ion: 63 Resp: 9715

Ion Ratio Lower Upper

63 100

41 52.2 53.9 80.9#

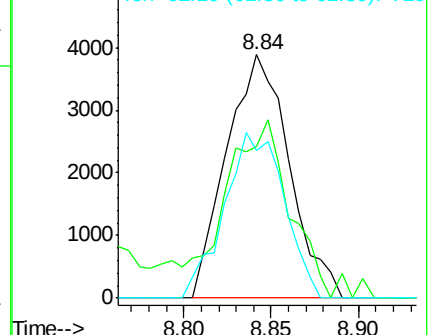
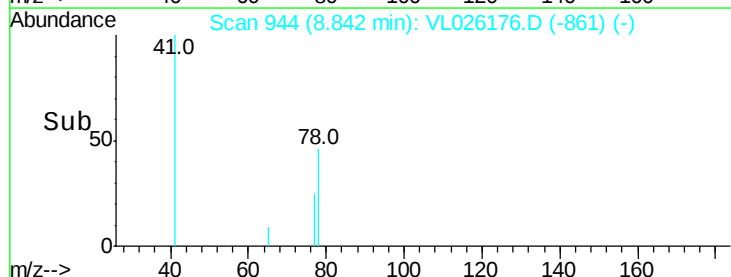
62 60.8 57.1 85.7

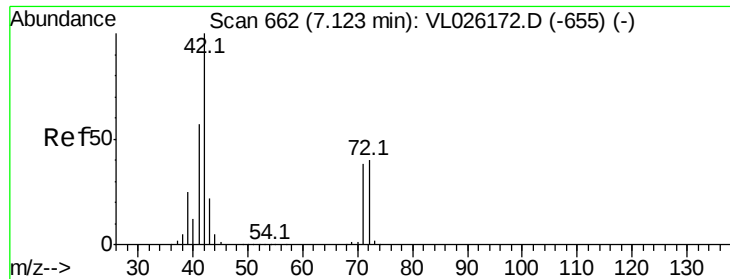


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.06 ppbv

RT: 7.20 min Scan# 675

Delta R.T. 0.08 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

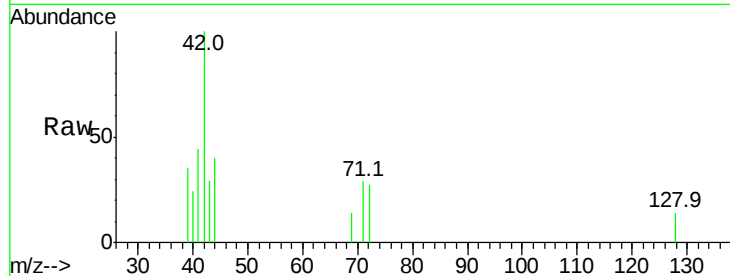
Tgt Ion: 42 Resp: 5531

Ion Ratio Lower Upper

42 100

72 29.7 32.4 48.6#

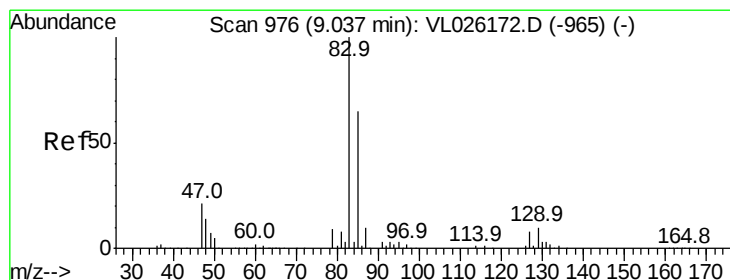
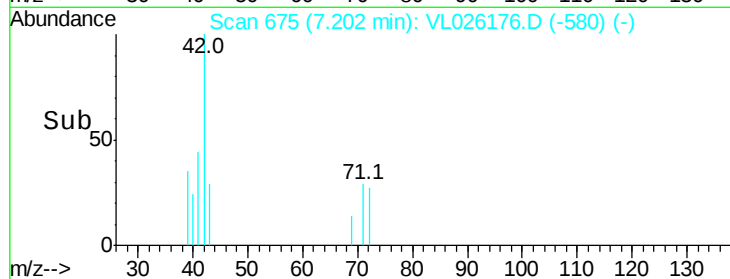
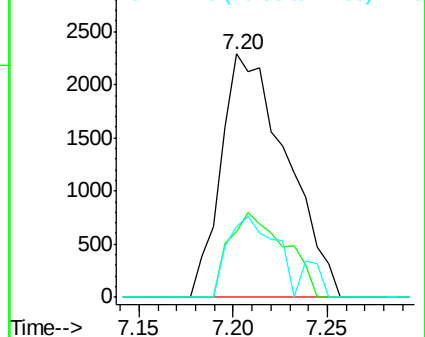
71 28.2 30.2 45.4#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.09 ppbv

RT: 9.04 min Scan# 976

Delta R.T. -0.00 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

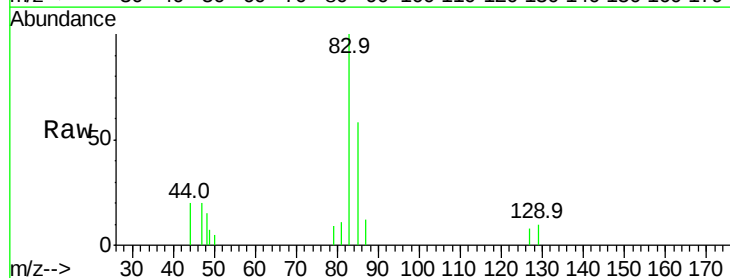
Tgt Ion: 83 Resp: 14953

Ion Ratio Lower Upper

83 100

85 58.5 51.9 77.9

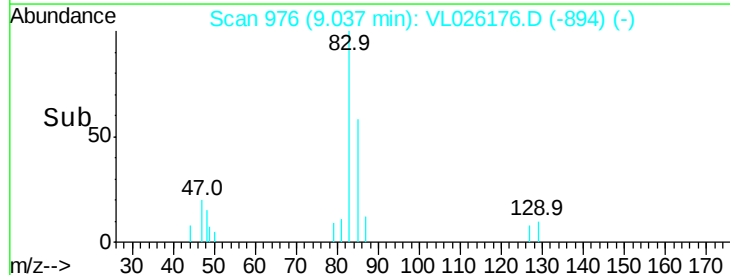
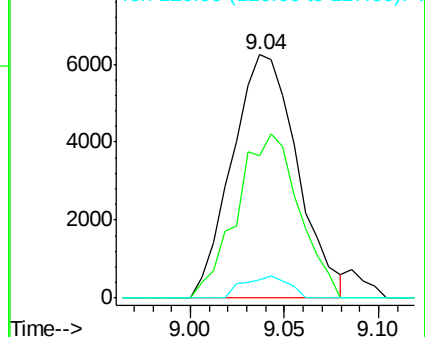
127 7.7 6.2 9.4

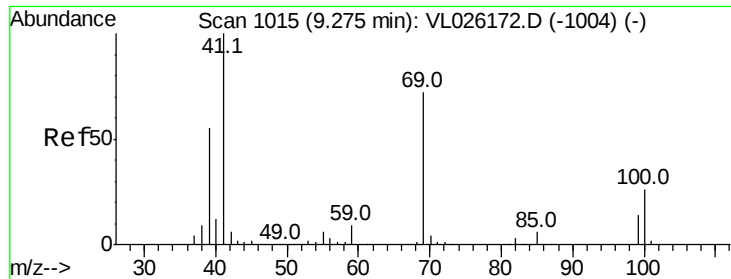


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

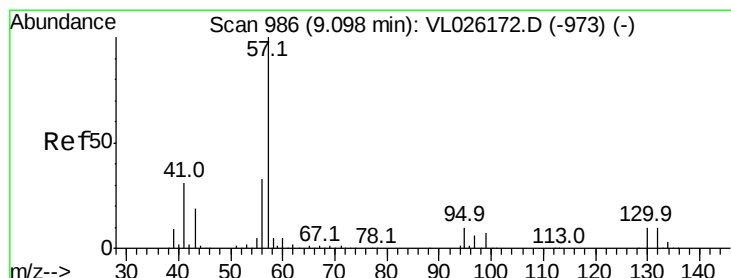
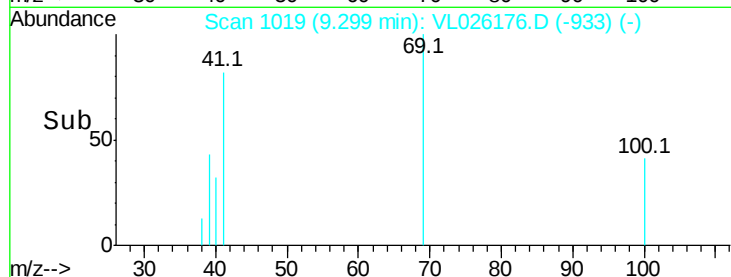
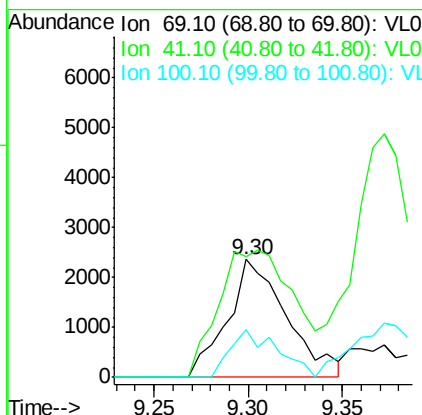
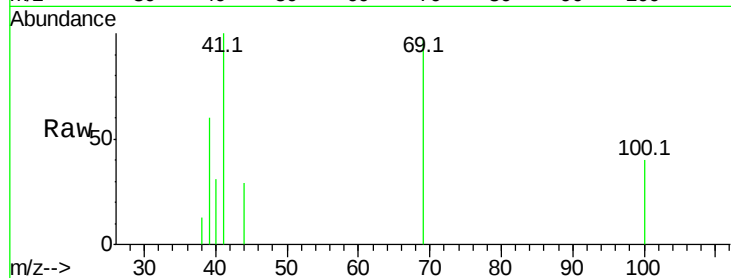




#43
Methyl Methacrylate
Concen: 0.06 ppbv
RT: 9.30 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

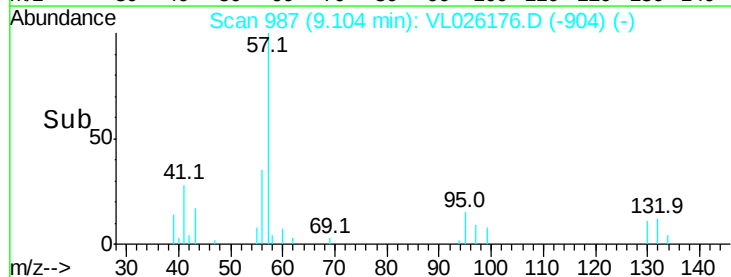
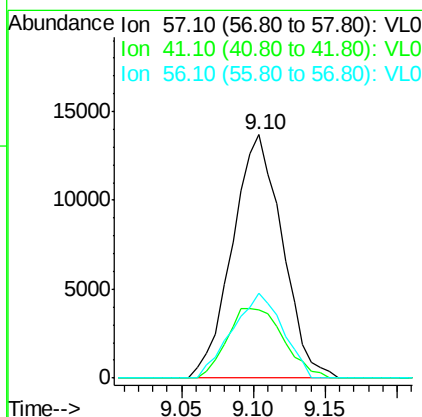
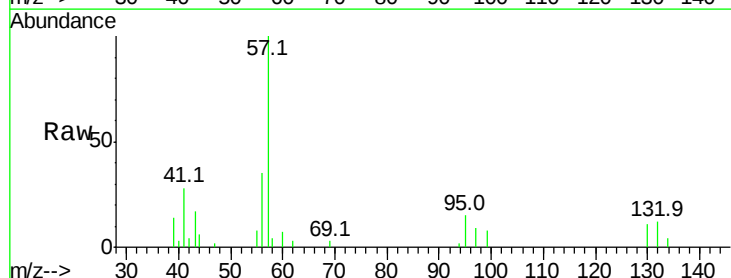
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

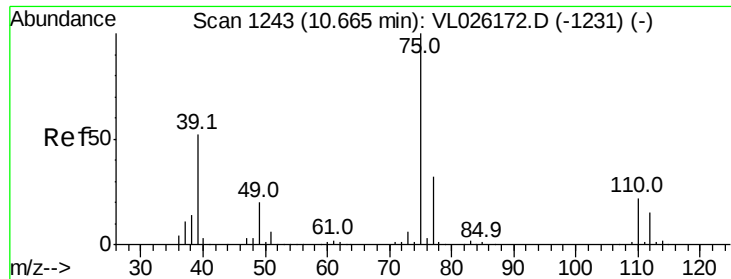
Tgt Ion: 69 Resp: 5168
Ion Ratio Lower Upper
69 100
41 129.8 111.5 167.3
100 32.5 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 0.08 ppbv
RT: 9.10 min Scan# 987
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Tgt Ion: 57 Resp: 33006
Ion Ratio Lower Upper
57 100
41 32.4 23.7 35.5
56 35.1 26.4 39.6





#45

t-1,3-Dichloropropene

Concen: 0.05 ppbv

RT: 10.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

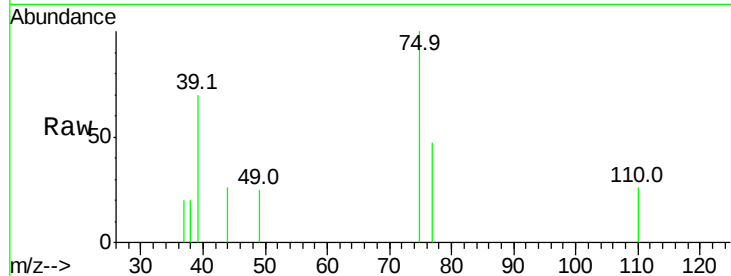
VSTDIC0.1

Tgt Ion: 75 Resp: 6092

Ion Ratio Lower Upper

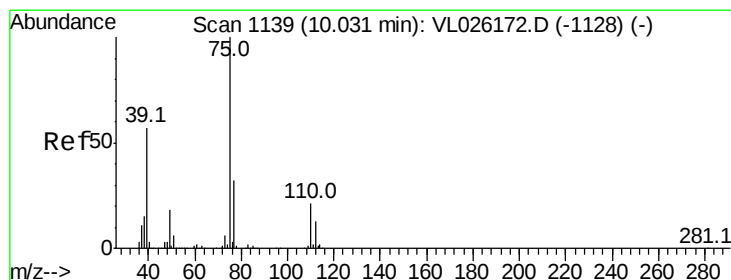
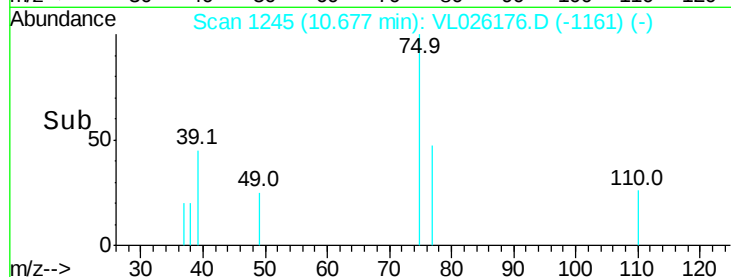
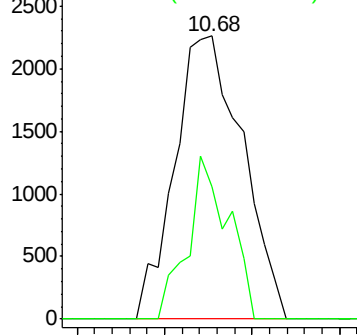
75 100

77 46.7 25.5 38.3#



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: 0.06 ppbv

RT: 10.04 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

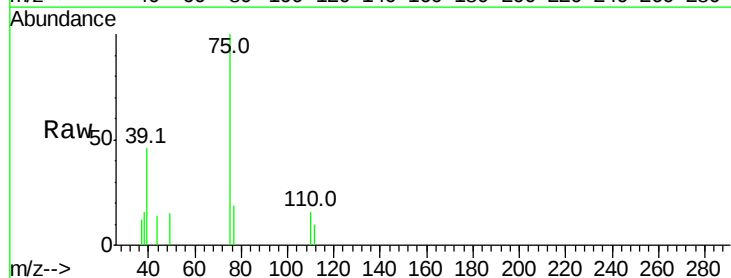
Tgt Ion: 75 Resp: 9007

Ion Ratio Lower Upper

75 100

39 46.2 45.4 68.2

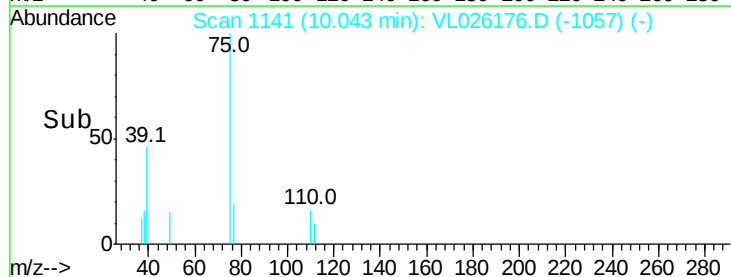
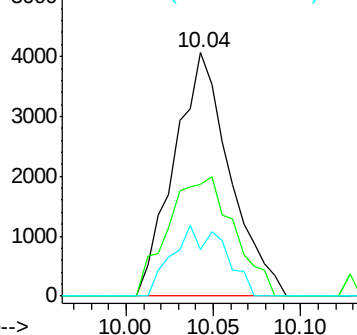
77 19.3 25.4 38.2#

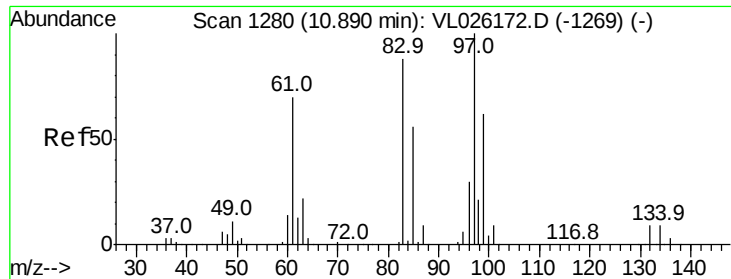


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

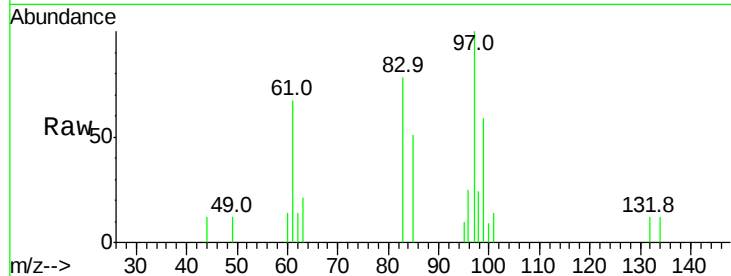




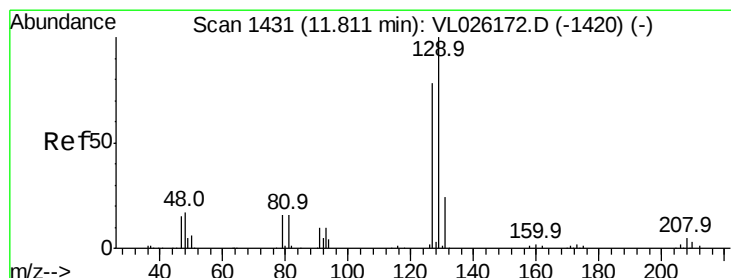
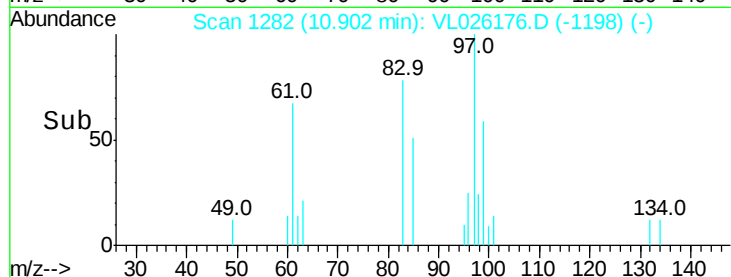
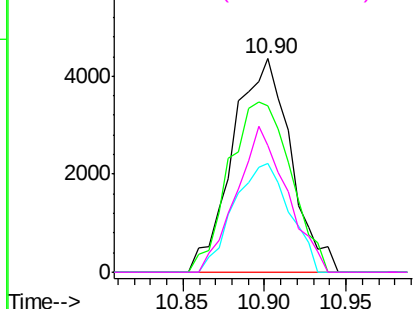
#47
 1,1,2-Trichloroethane
 Concen: 0.10 ppbv
 RT: 10.90 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 97 Resp: 10731
 Ion Ratio Lower Upper
 97 100
 83 78.2 70.6 106.0
 85 50.8 45.1 67.7
 99 59.1 49.9 74.9

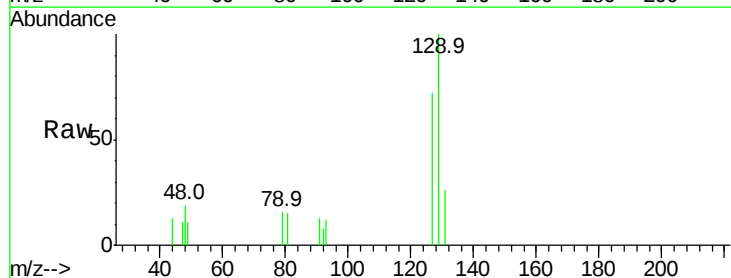


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

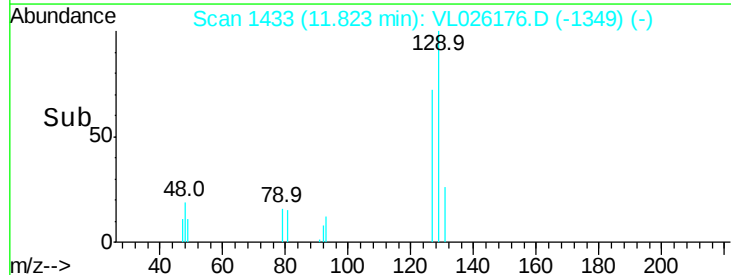
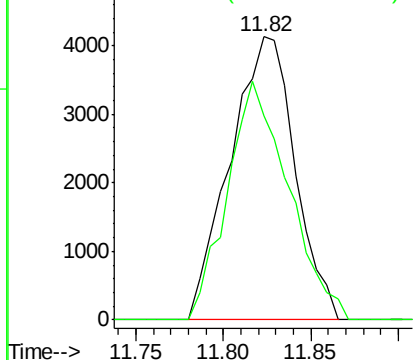


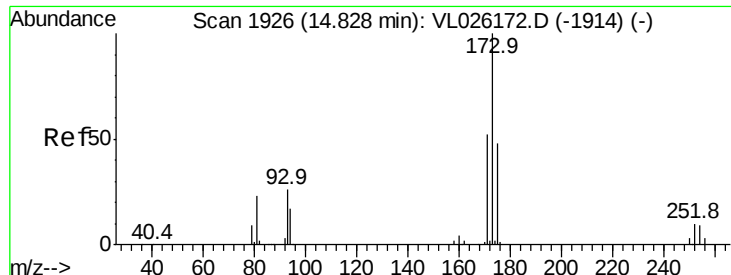
#48
 Dibromochloromethane
 Concen: 0.07 ppbv
 RT: 11.82 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion: 129 Resp: 10652
 Ion Ratio Lower Upper
 129 100
 127 79.4 39.0 117.0



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





#49

Bromoform

Concen: 0.06 ppbv

RT: 14.83 min Scan# 1927

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

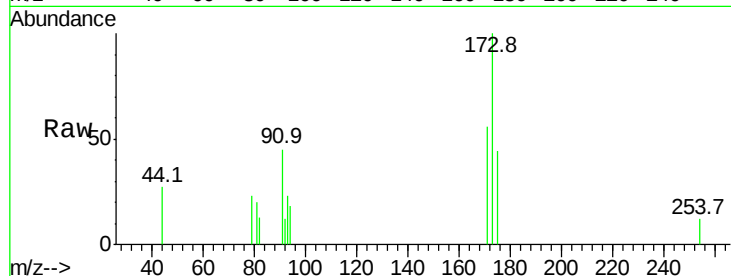
Tgt Ion: 173 Resp: 6456

Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.6

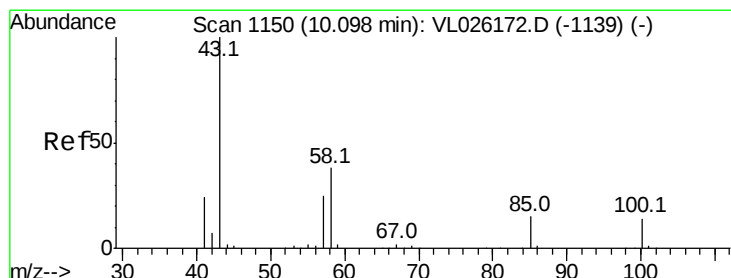
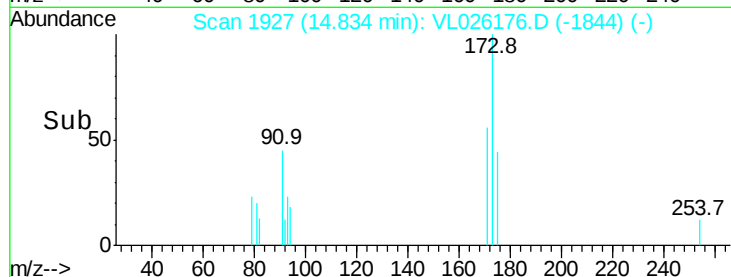
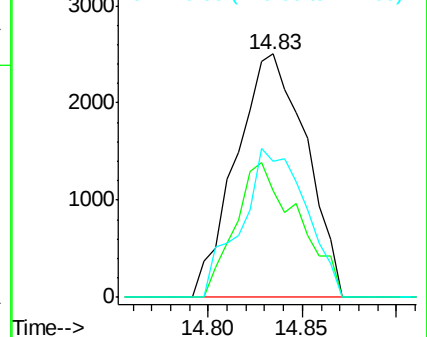
171 56.5 41.9 62.9



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: 0.06 ppbv

RT: 10.16 min Scan# 1161

Delta R.T. 0.07 min

Lab File: VL026176.D

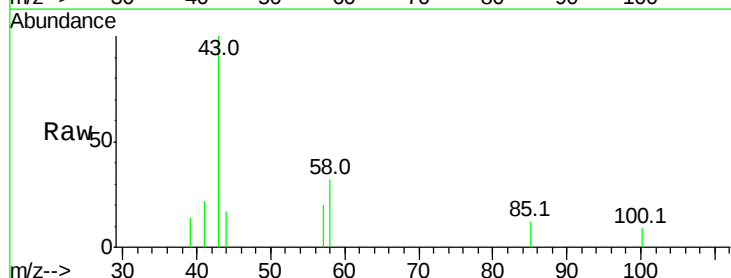
Acq: 9 Oct 2015 13:35

Tgt Ion: 43 Resp: 11792

Ion Ratio Lower Upper

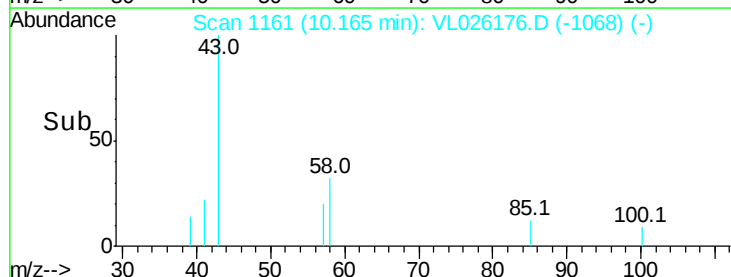
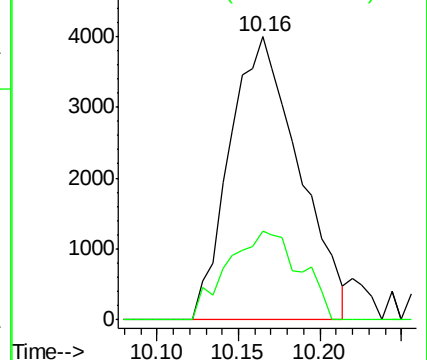
43 100

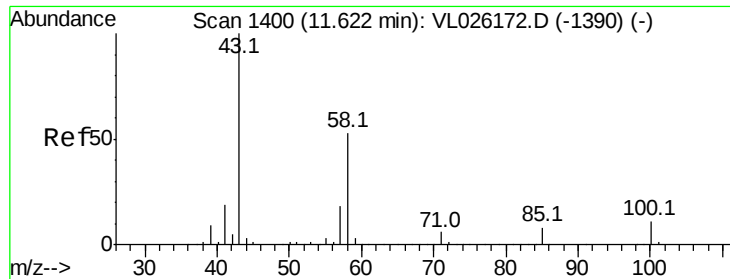
58 32.9 30.4 45.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.04 ppbv

RT: 11.69 min Scan# 1411

Delta R.T. 0.07 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

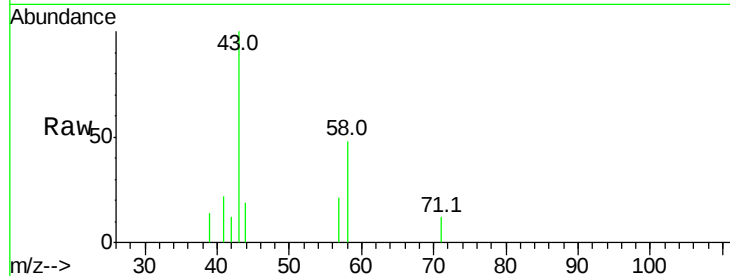
Tgt Ion: 43 Resp: 8270

Ion Ratio Lower Upper

43 100

58 45.5 42.2 63.4

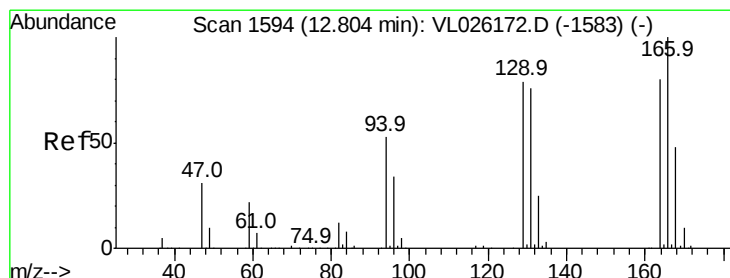
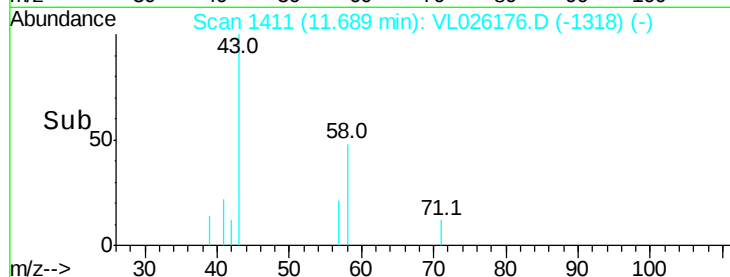
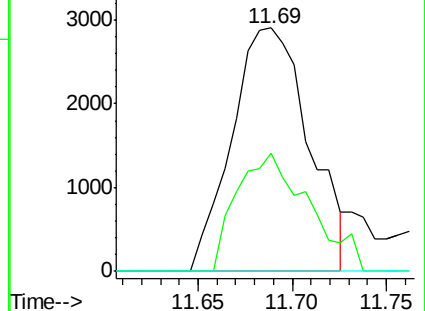
98 0.0 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.10 ppbv

RT: 12.81 min Scan# 1595

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Tgt Ion: 164 Resp: 11745

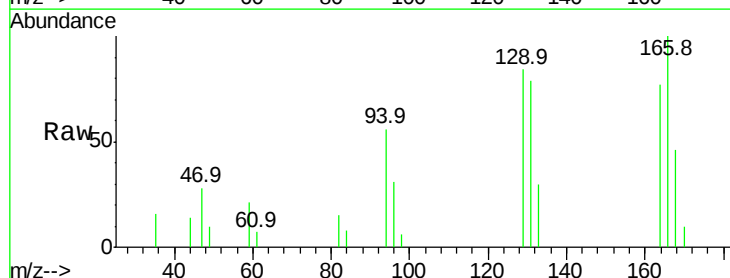
Ion Ratio Lower Upper

164 100

166 129.2 99.9 149.9

129 108.8 79.1 118.7

131 101.8 76.3 114.5

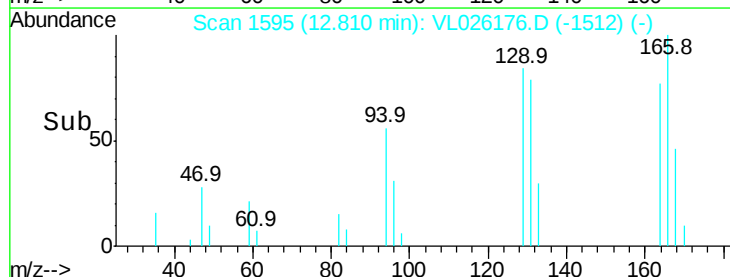
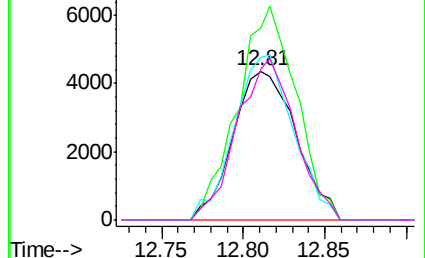


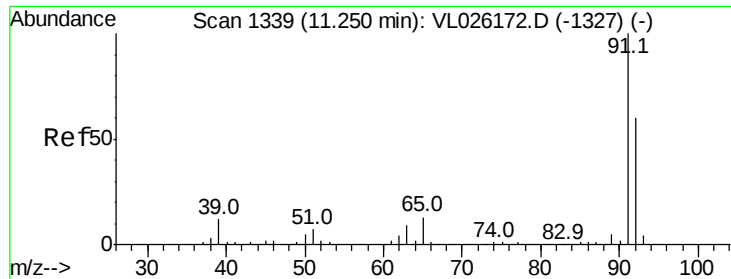
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.07 ppbv

RT: 11.26 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

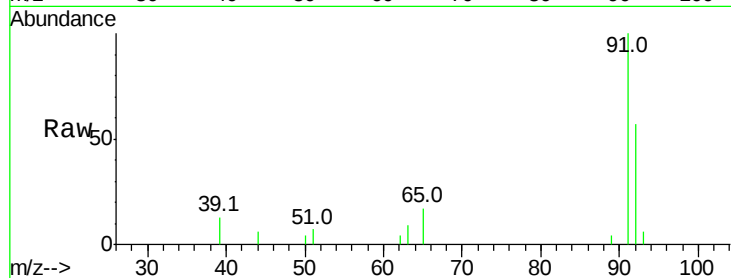
VSTDIC0.1

Tgt Ion: 91 Resp: 22862

Ion Ratio Lower Upper

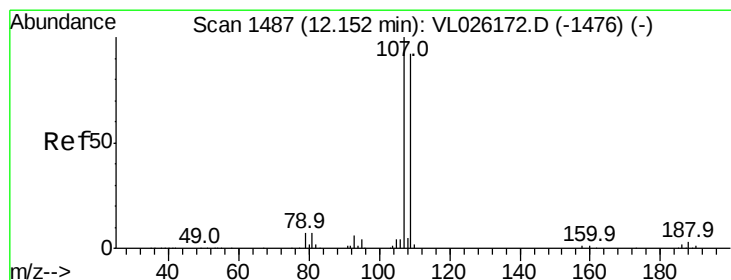
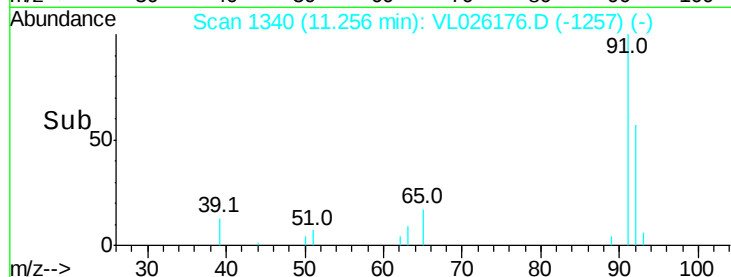
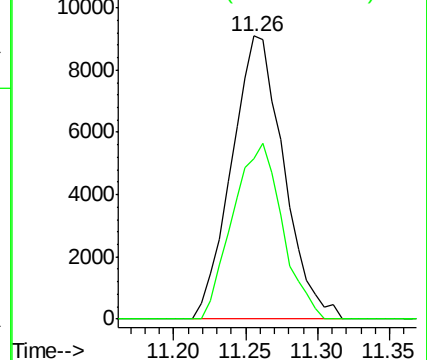
91 100

92 58.9 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.08 ppbv

RT: 12.16 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VL026176.D

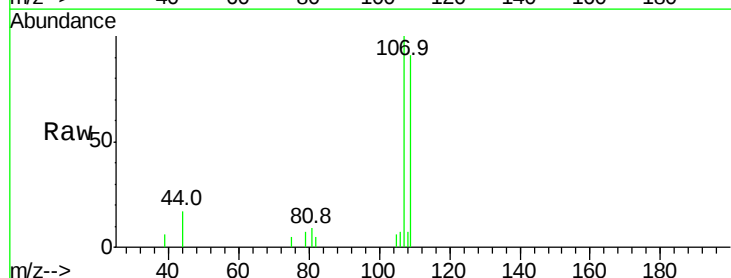
Acq: 9 Oct 2015 13:35

Tgt Ion: 107 Resp: 13845

Ion Ratio Lower Upper

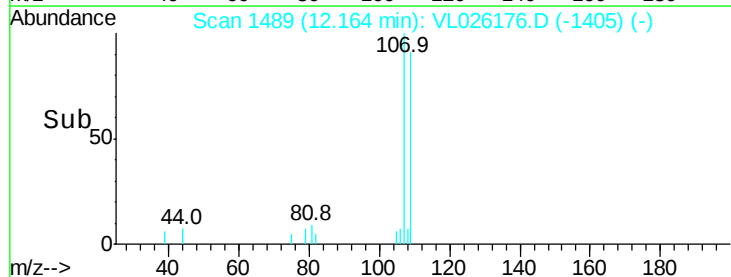
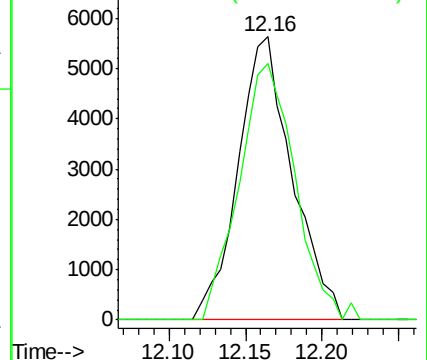
107 100

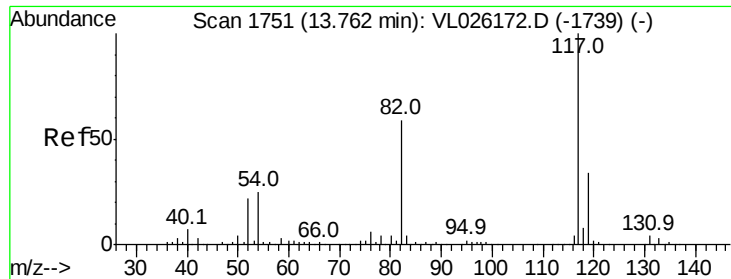
109 90.6 73.2 109.8



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: 13.76 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

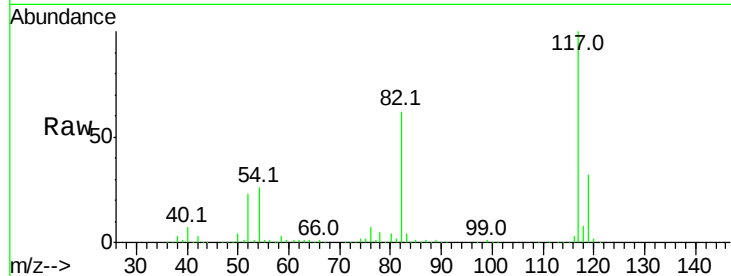
Tgt Ion:117 Resp: 2821933

Ion Ratio Lower Upper

117 100

82 61.9 47.7 71.5

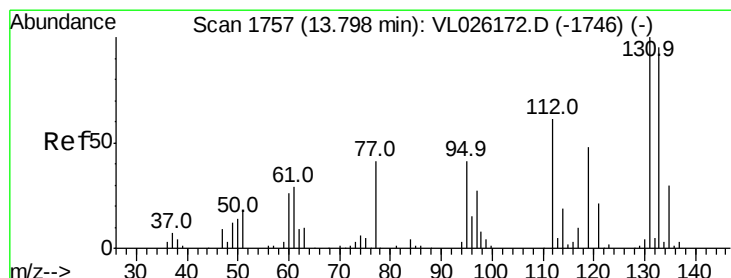
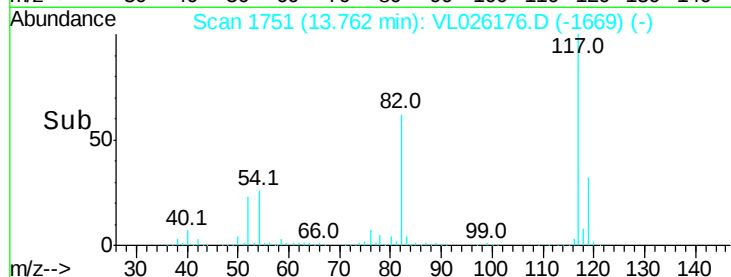
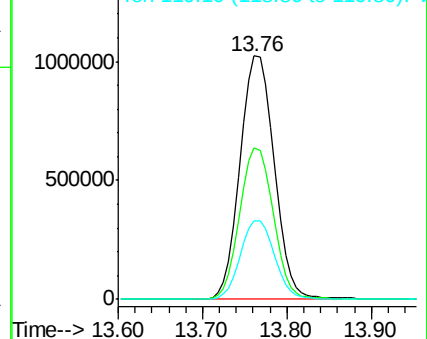
119 32.6 43.7 65.5#



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: 0.09 ppbv

RT: 13.80 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

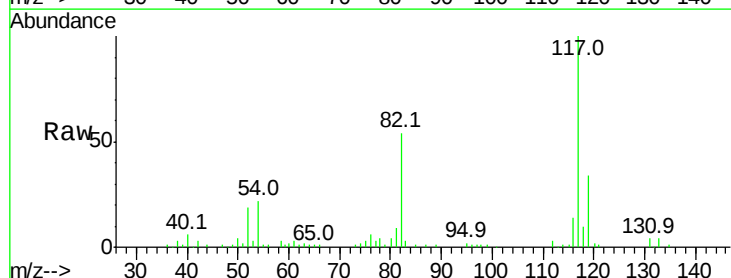
Tgt Ion:131 Resp: 10764

Ion Ratio Lower Upper

131 100

133 92.8 76.5 114.7

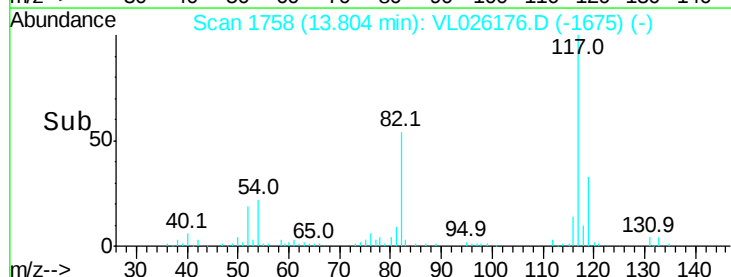
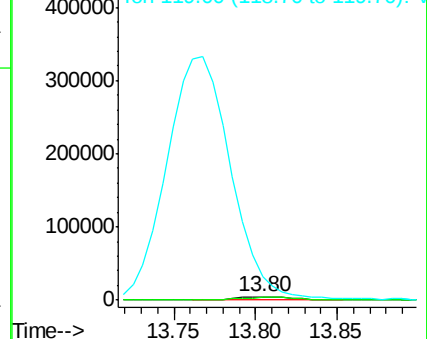
119 8537.1 116.0 174.0#

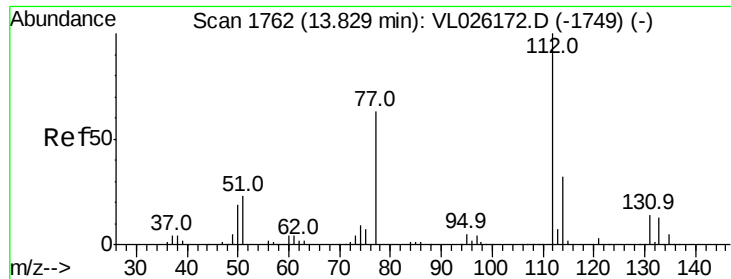


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

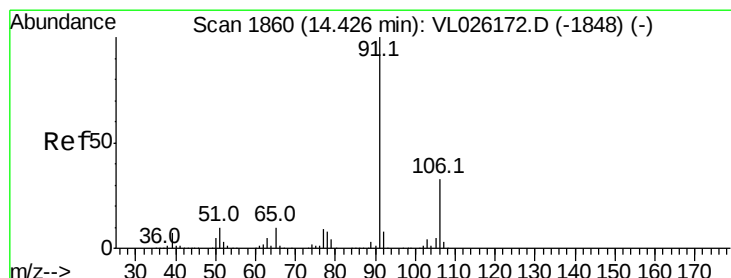
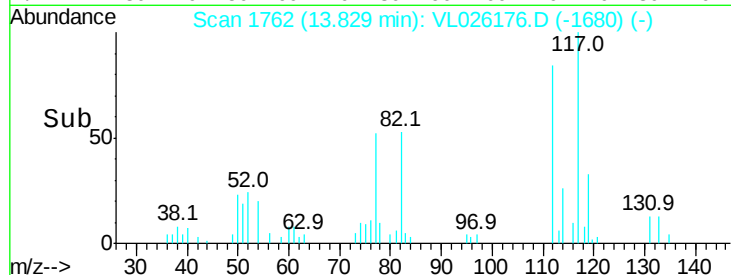
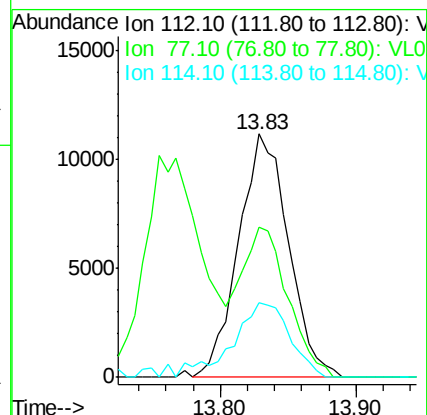
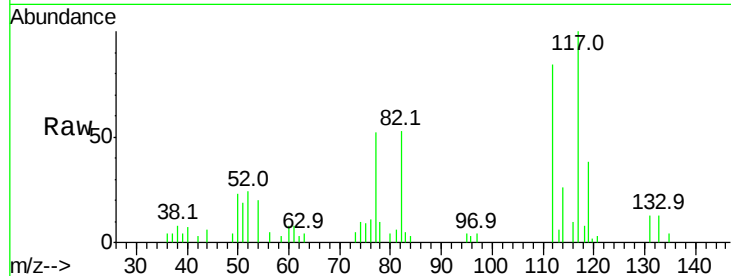




#57
Chlorobenzene
Concen: 0.10 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

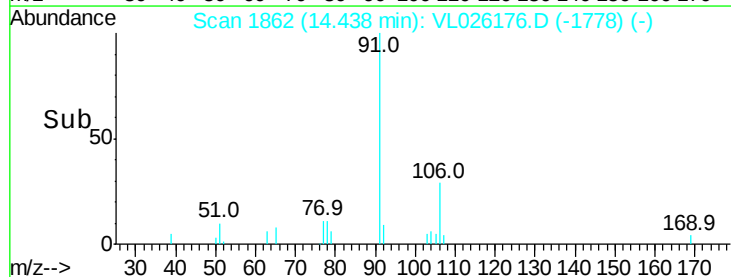
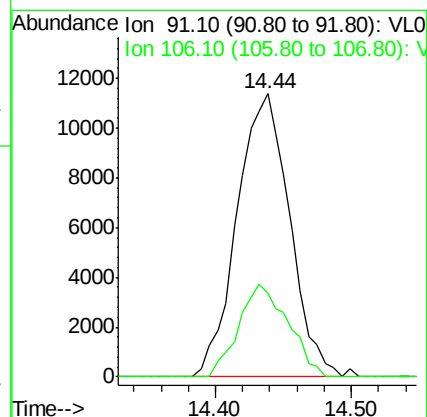
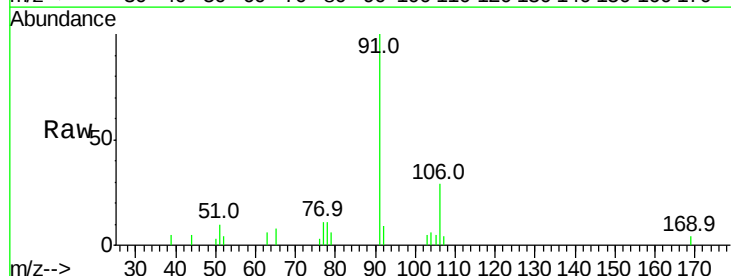
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

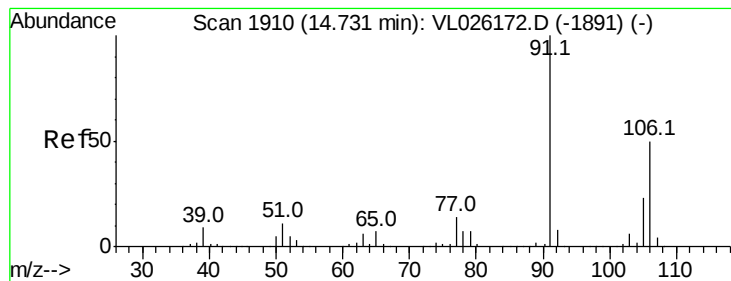
Tgt Ion: 112 Resp: 28680
Ion Ratio Lower Upper
112 100
77 61.5 51.0 76.4
114 30.4 29.0 35.4



#58
Ethyl Benzene
Concen: 0.07 ppbv
RT: 14.44 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Tgt Ion: 91 Resp: 30643
Ion Ratio Lower Upper
91 100
106 29.4 26.1 39.1





#59

m/p-Xylene

Concen: 0.08 ppbv

RT: 14.73 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

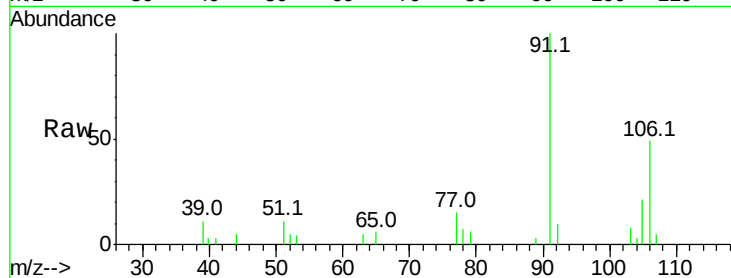
VSTDIC0.1

Tgt Ion: 91 Resp: 30224

Ion Ratio Lower Upper

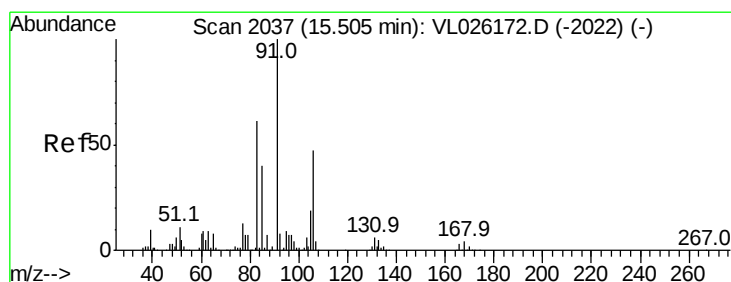
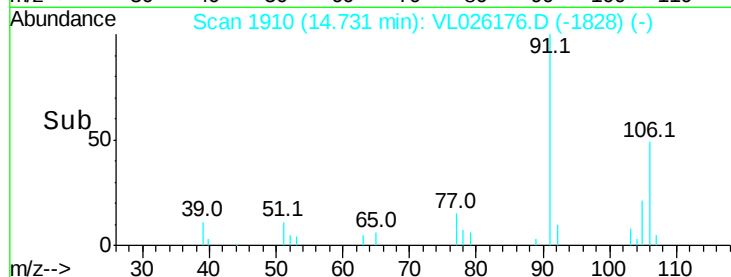
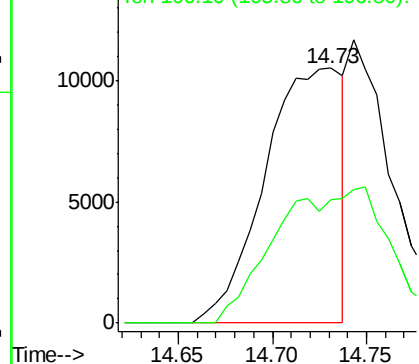
91 100

106 0.0 40.2 60.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.09 ppbv

RT: 15.51 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VL026176.D

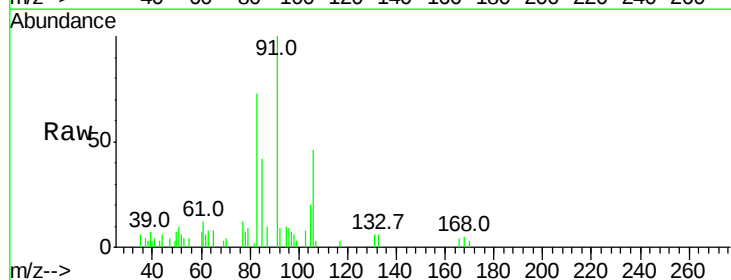
Acq: 9 Oct 2015 13:35

Tgt Ion: 91 Resp: 33470

Ion Ratio Lower Upper

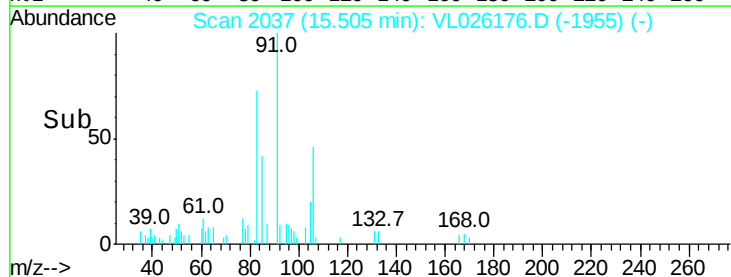
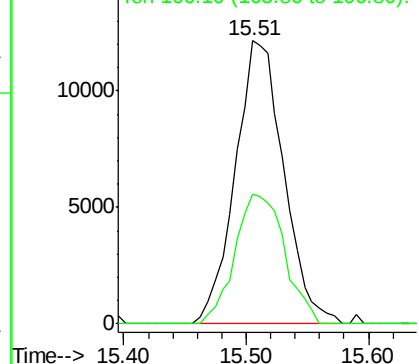
91 100

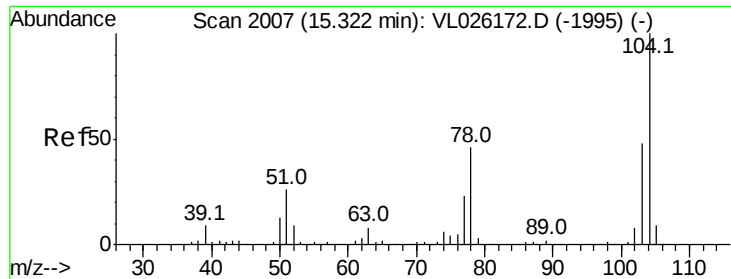
106 46.9 23.4 70.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

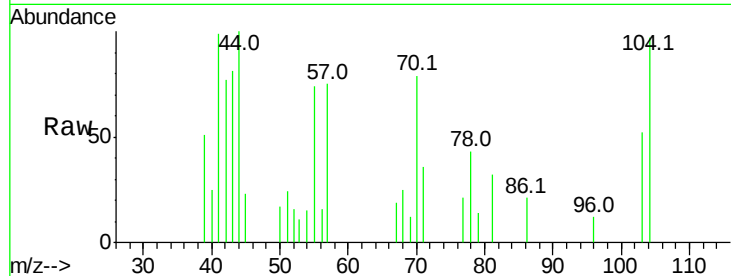




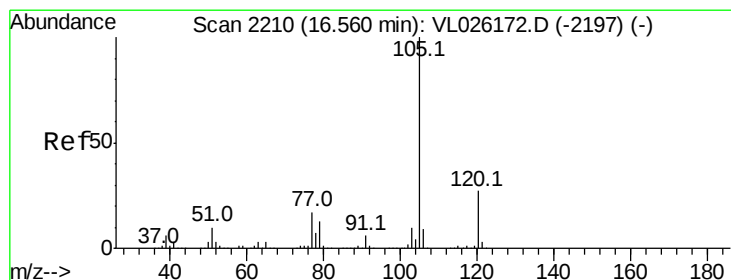
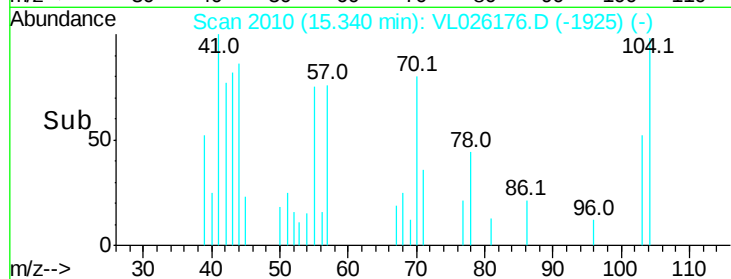
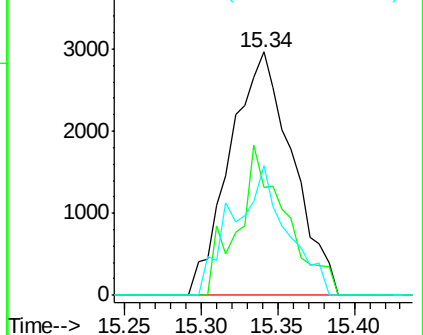
#61
Styrene
Concen: 0.05 ppbv
RT: 15.34 min Scan# 2010
Delta R.T. 0.02 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:104 Resp: 8406
Ion Ratio Lower Upper
104 100
78 47.8 36.1 54.1
103 45.9 37.5 56.3

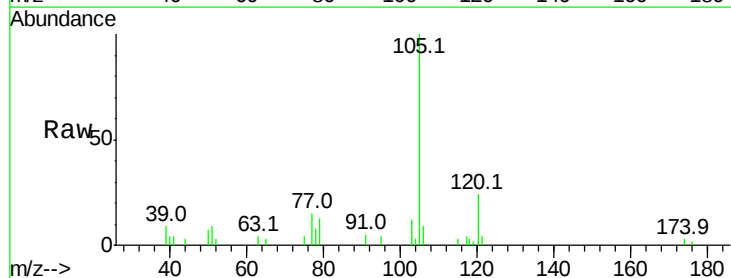


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V

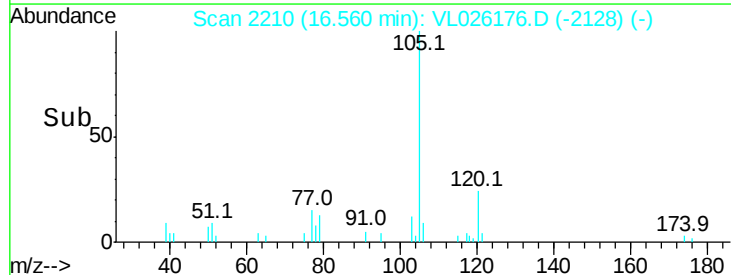
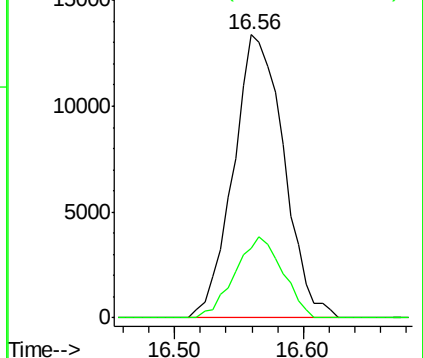


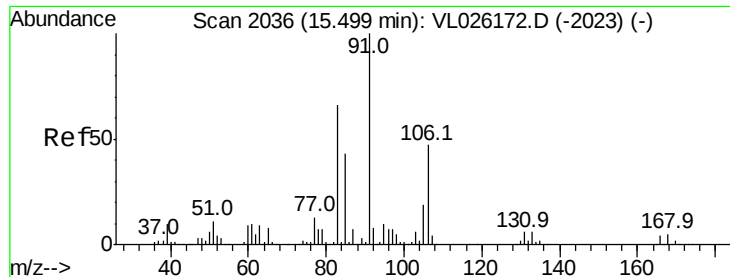
#62
Isopropylbenzene
Concen: 0.07 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Tgt Ion:105 Resp: 36278
Ion Ratio Lower Upper
105 100
120 26.8 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

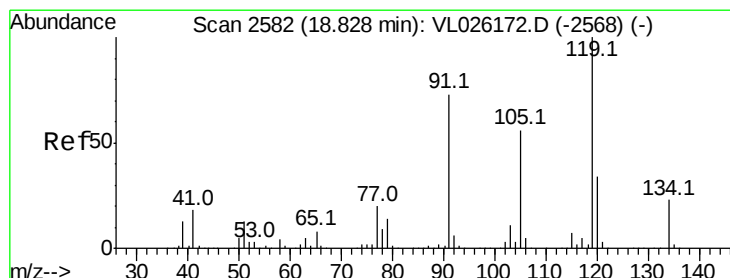
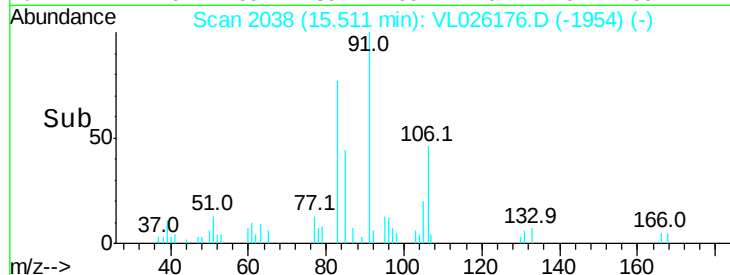
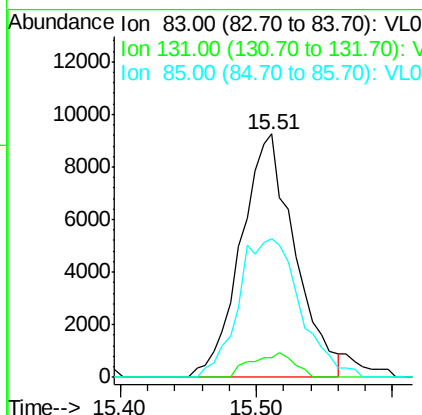
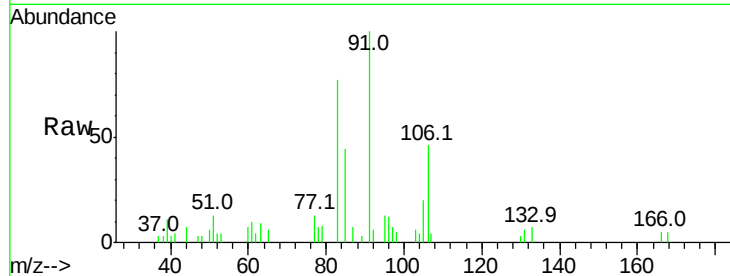




#63
1,1,2,2-Tetrachloroethane
Concen: 0.09 ppbv
RT: 15.51 min Scan# 2038
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

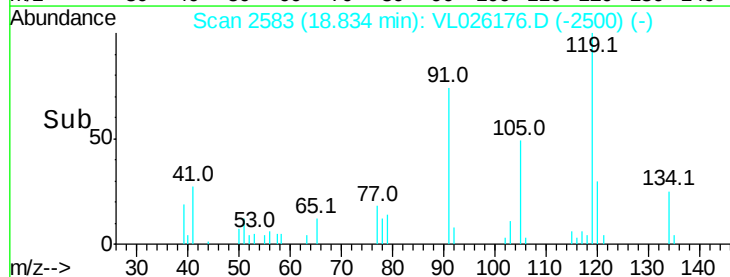
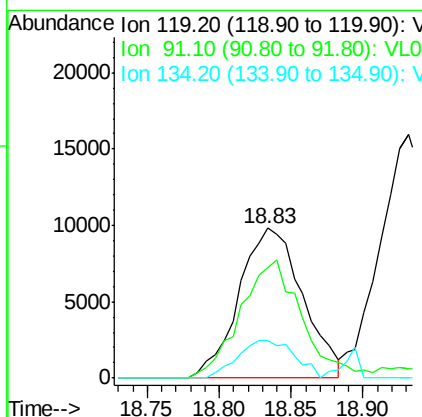
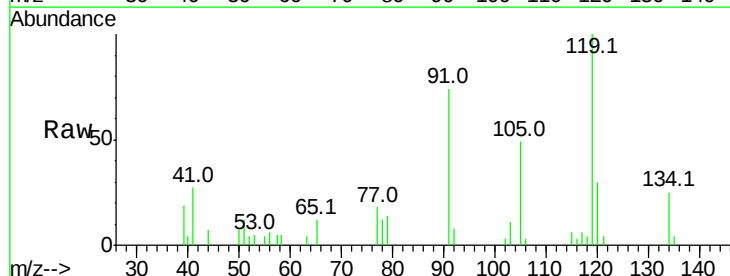
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

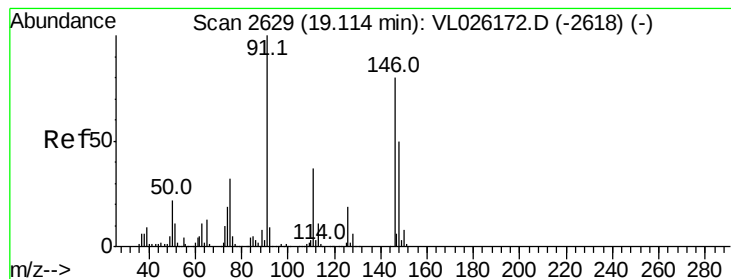
Tgt Ion: 83 Resp: 25591
Ion Ratio Lower Upper
83 100
131 7.9 4.5 13.7
85 65.0 32.6 97.7



#65
tert-Butylbenzene
Concen: 0.07 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Tgt Ion: 119 Resp: 30168
Ion Ratio Lower Upper
119 100
91 81.6 58.5 87.7
134 22.7 18.0 27.0





#66

Benzyl Chloride

Concen: 0.06 ppbv

RT: 19.14 min Scan# 2633

Delta R.T. 0.02 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

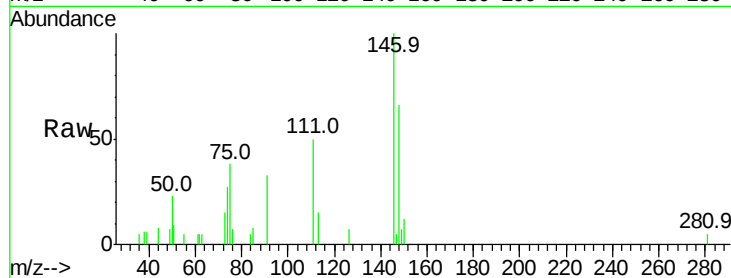
Tgt Ion: 91 Resp: 7124

Ion Ratio Lower Upper

91 100

126 0.0 15.2 22.8#

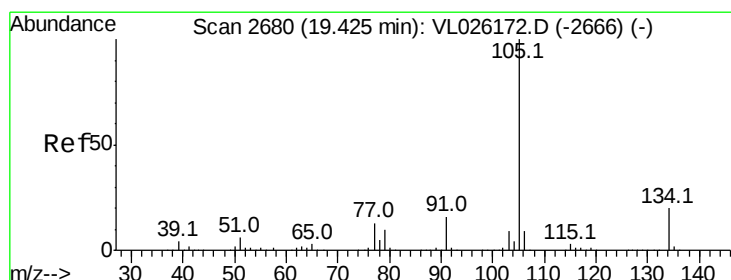
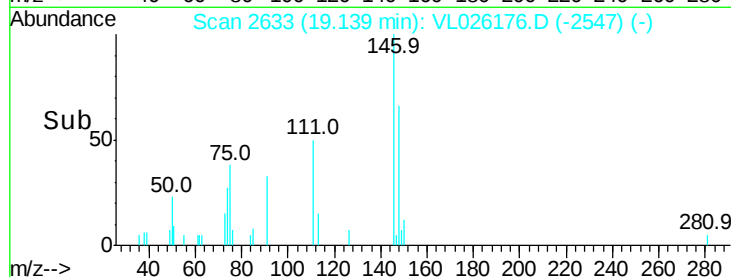
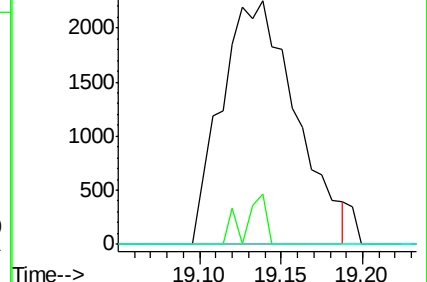
128 0.0 4.8 7.2#



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: 0.07 ppbv

RT: 19.44 min Scan# 2682

Delta R.T. 0.01 min

Lab File: VL026176.D

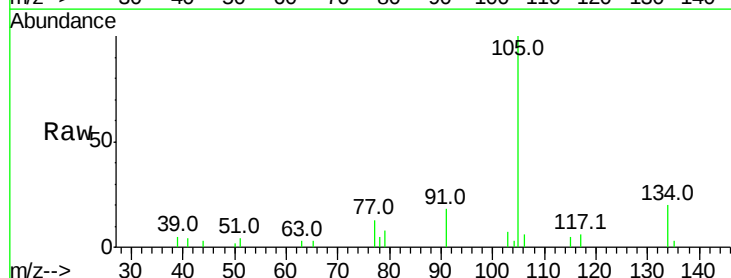
Acq: 9 Oct 2015 13:35

Tgt Ion: 105 Resp: 40994

Ion Ratio Lower Upper

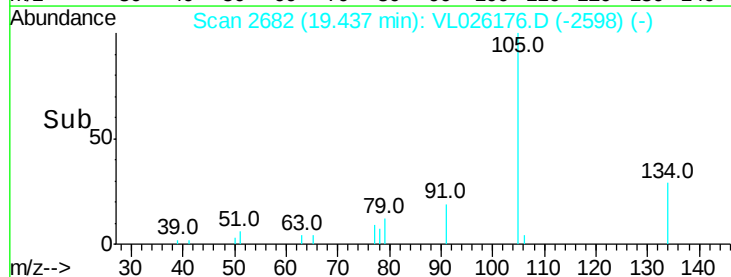
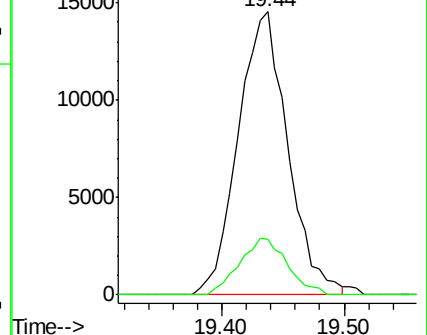
105 100

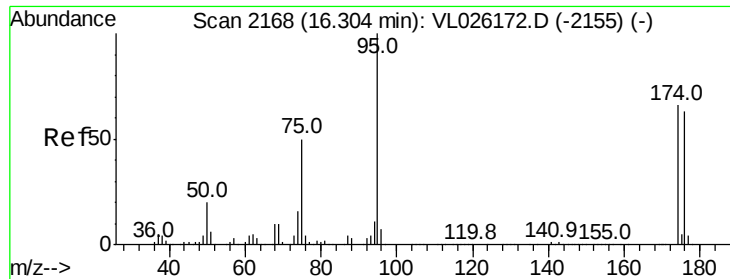
134 19.2 15.9 23.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

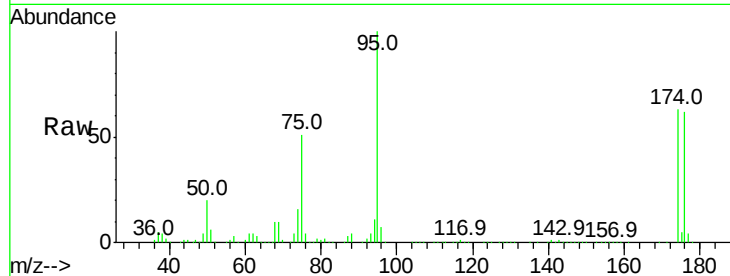




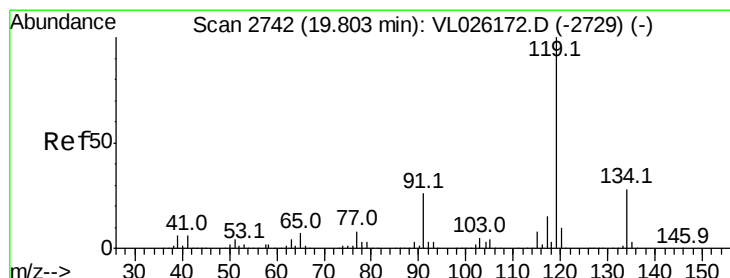
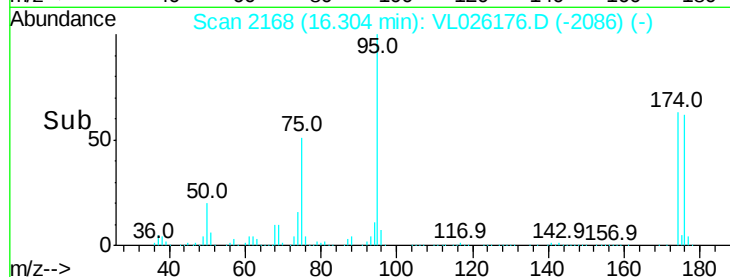
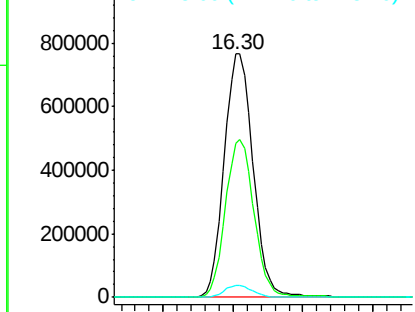
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.62 ppbv
 RT: 16.30 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 95 Resp: 2211626
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.2 78.4
 175 4.7 3.9 5.9

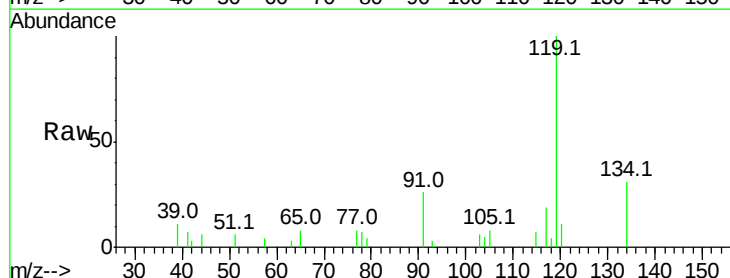


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

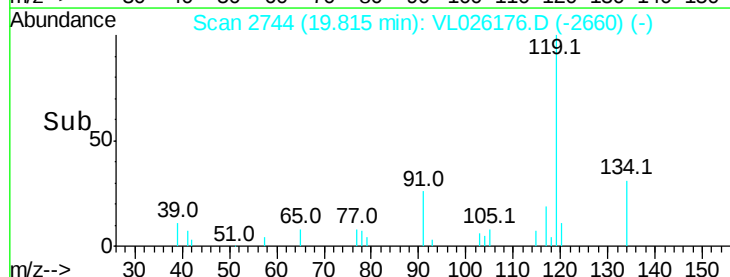
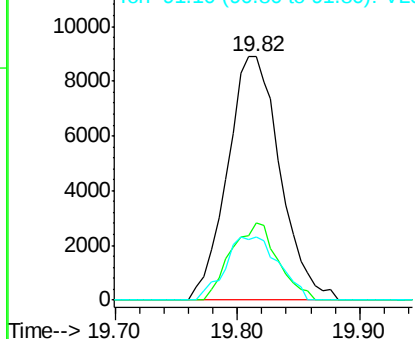


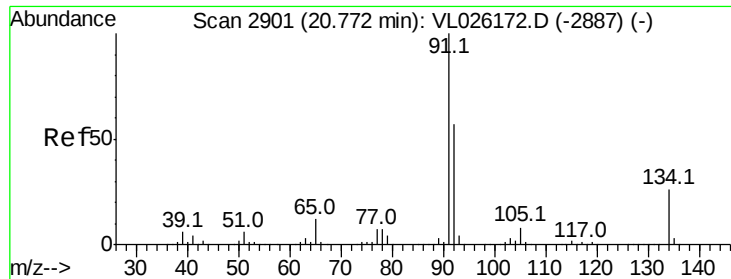
#69
 p-Isopropyltoluene
 Concen: 0.05 ppbv
 RT: 19.82 min Scan# 2744
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion: 119 Resp: 26612
 Ion Ratio Lower Upper
 119 100
 134 28.2 21.4 32.0
 91 26.2 19.9 29.9



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0

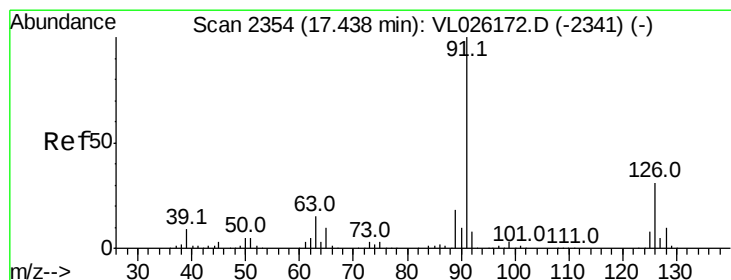
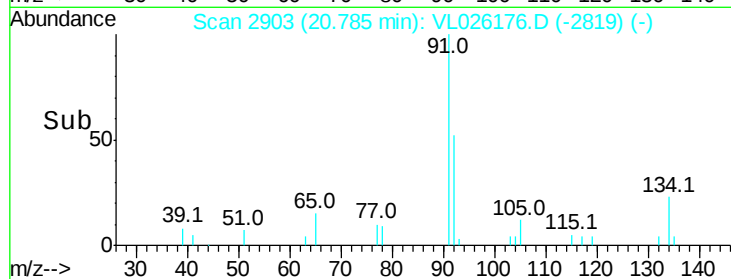
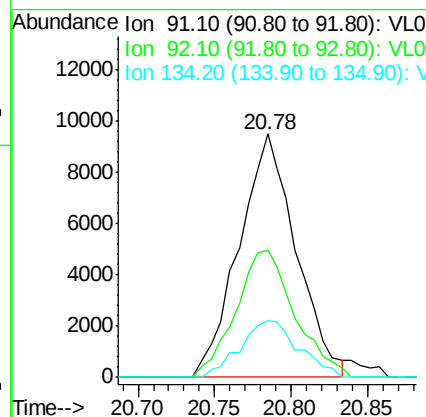
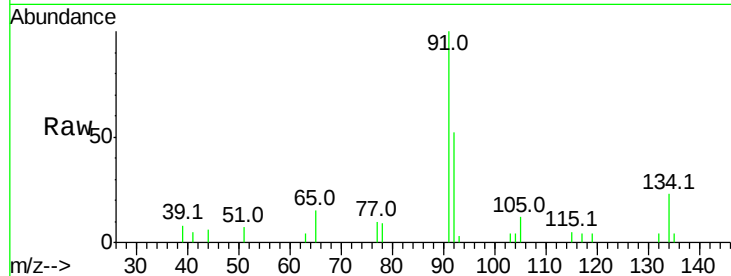




#70
n-Butylbenzene
Concen: 0.05 ppbv
RT: 20.78 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

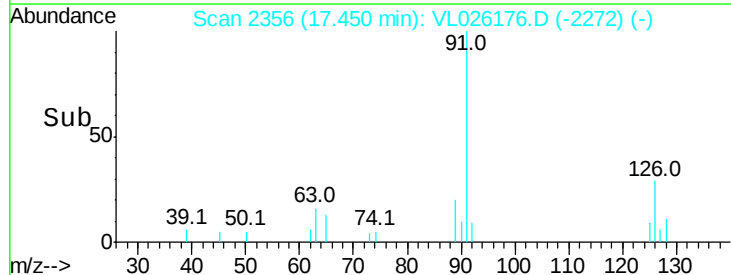
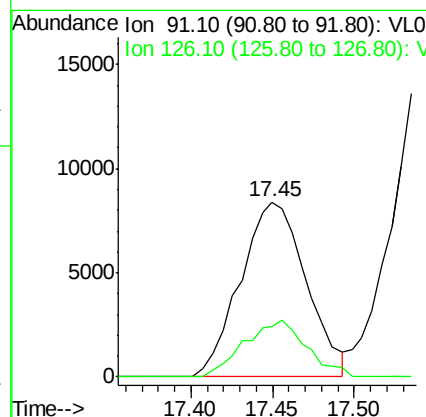
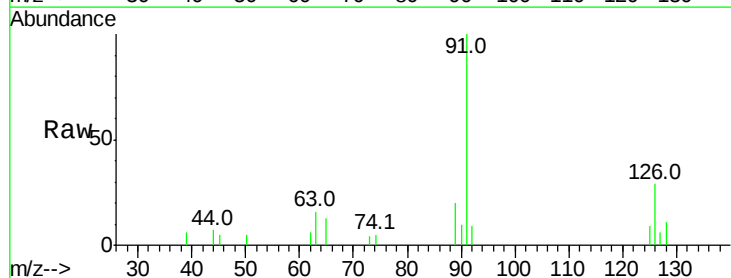
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

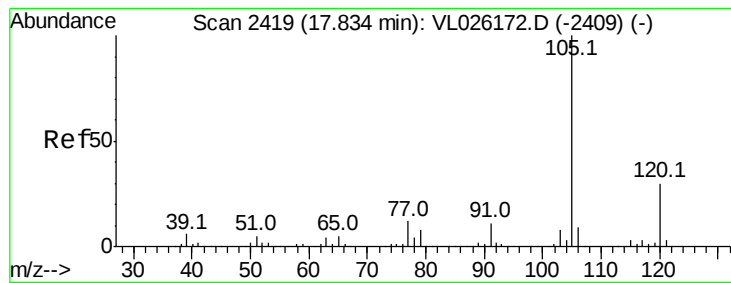
Tgt Ion: 91 Resp: 24590
Ion Ratio Lower Upper
91 100
92 54.0 45.0 67.6
134 24.1 19.8 29.8



#71
2-Chlorotoluene
Concen: 0.06 ppbv
RT: 17.45 min Scan# 2356
Delta R.T. 0.01 min
Lab File: VL026176.D
Acq: 9 Oct 2015 13:35

Tgt Ion: 91 Resp: 23577
Ion Ratio Lower Upper
91 100
126 30.5 12.8 51.2





#72

4-Ethyltoluene

Concen: 0.05 ppbv

RT: 17.85 min Scan# 2422

Delta R.T. 0.02 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:105 Resp: 21500

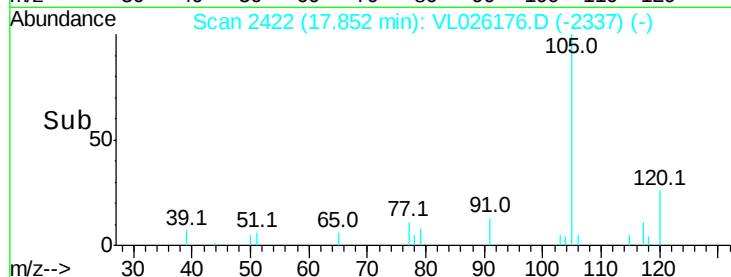
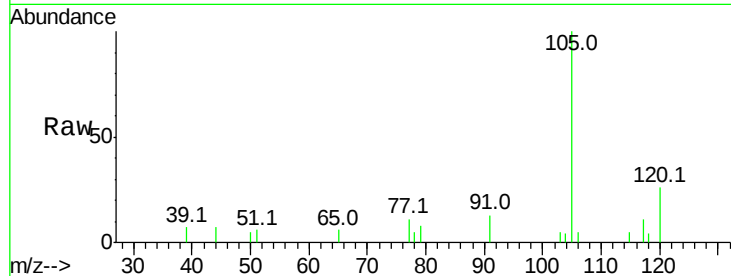
Ion Ratio Lower Upper

105 100

120 28.4 24.7 37.1

91 13.8 9.2 13.8

77 10.7 9.8 14.8

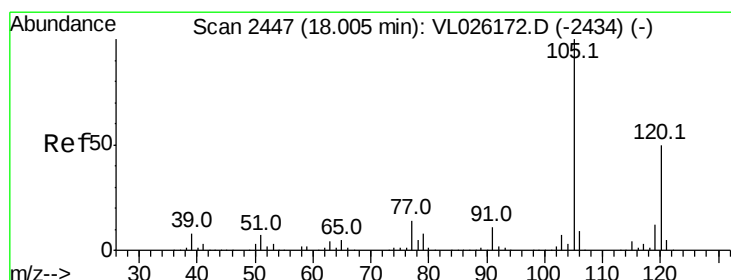
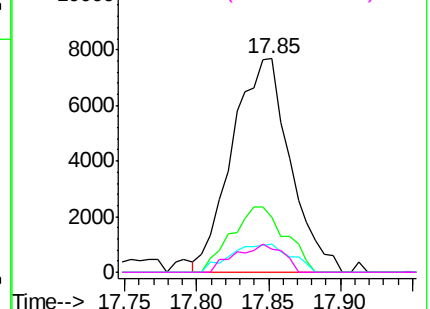


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.06 ppbv

RT: 18.01 min Scan# 2448

Delta R.T. 0.01 min

Lab File: VL026176.D

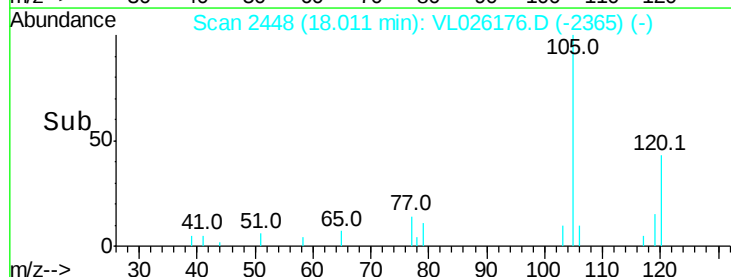
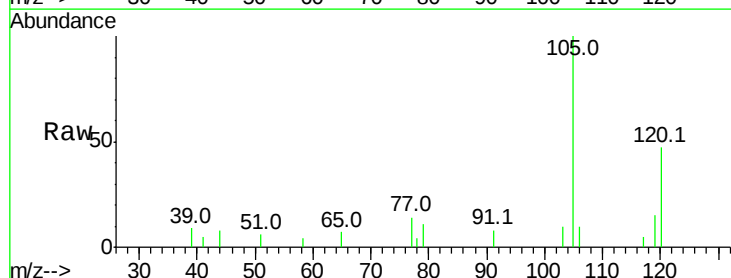
Acq: 9 Oct 2015 13:35

Tgt Ion:105 Resp: 22007

Ion Ratio Lower Upper

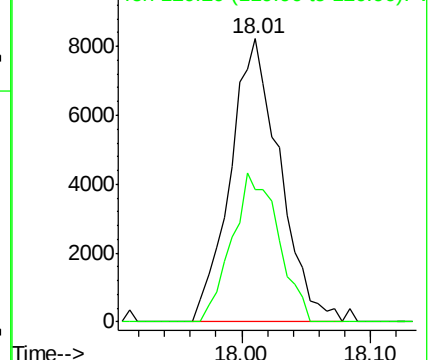
105 100

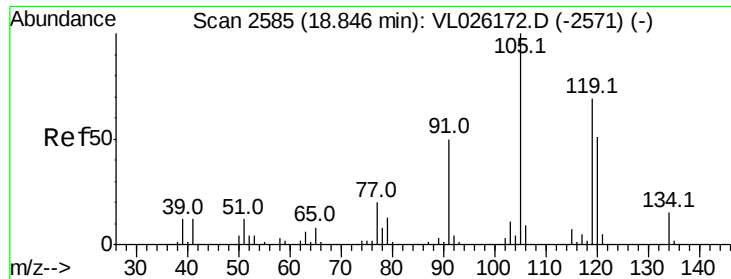
120 46.9 40.1 60.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

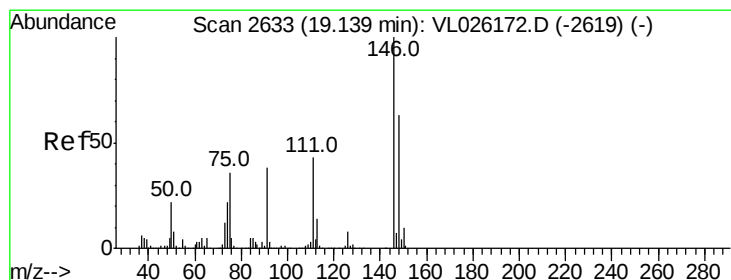
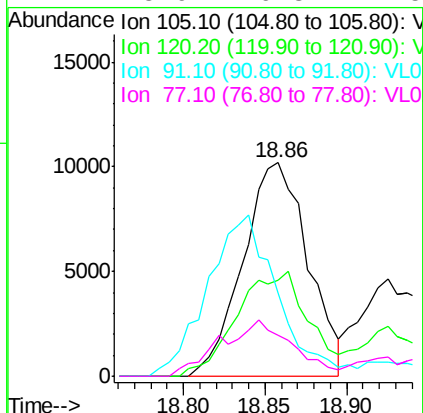
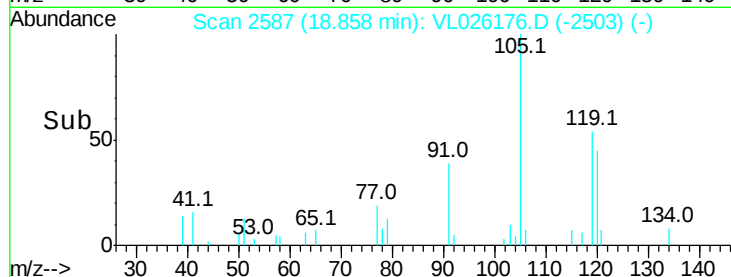
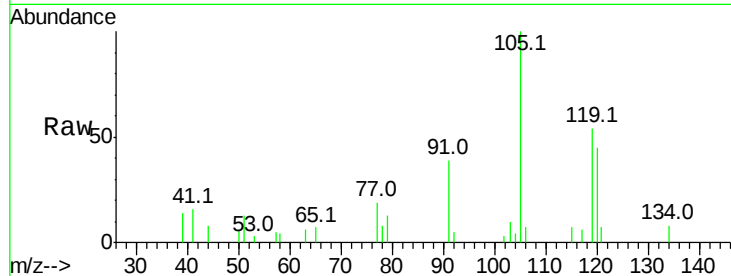




#74
 1,2,4-Trimethylbenzene
 Concen: 0.07 ppbv
 RT: 18.86 min Scan# 2587
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

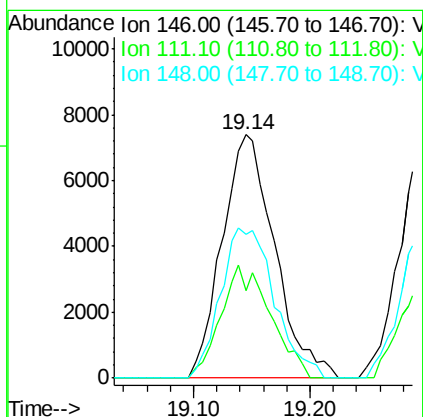
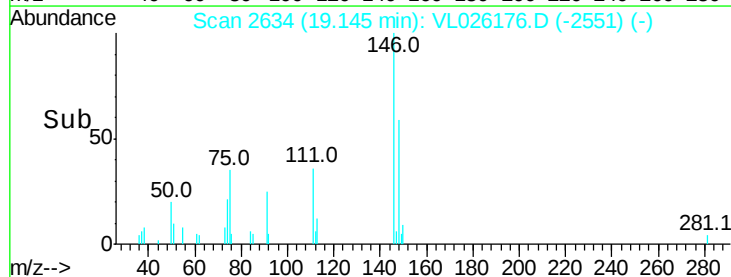
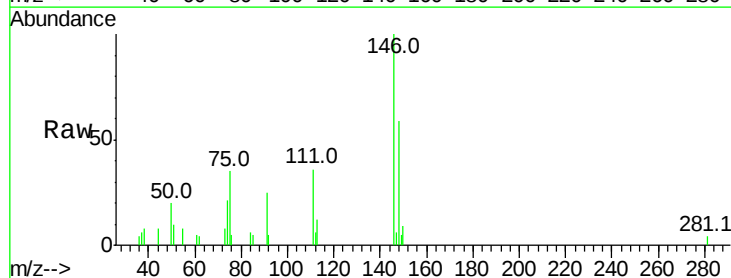
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

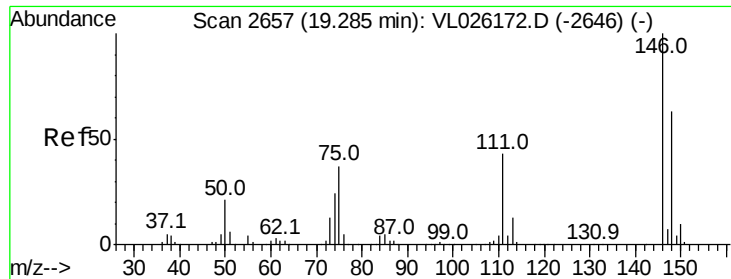
Tgt Ion:	105	Resp:	28415
Ion	Ratio	Lower	Upper
105	100		
120	48.3	41.1	61.7
91	34.4	39.8	59.6
77	15.9	16.3	24.5



#75
 1,3-Dichlorobenzene
 Concen: 0.09 ppbv
 RT: 19.14 min Scan# 2634
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion:	146	Resp:	23190
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.3
148	63.1	31.9	95.5

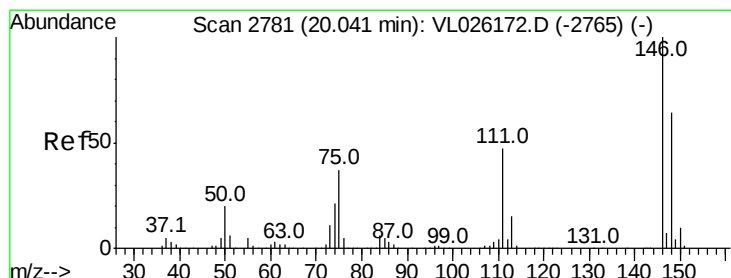
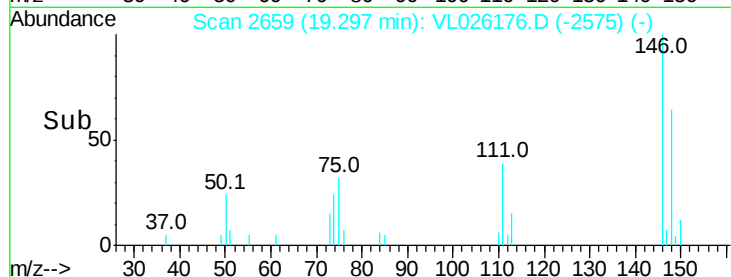
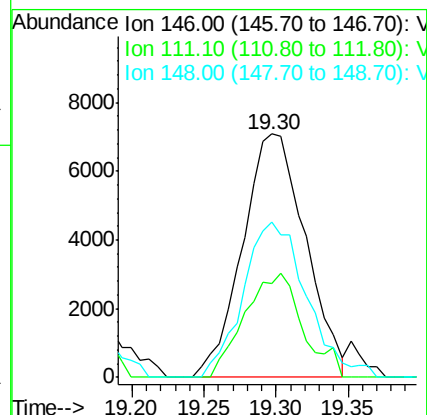
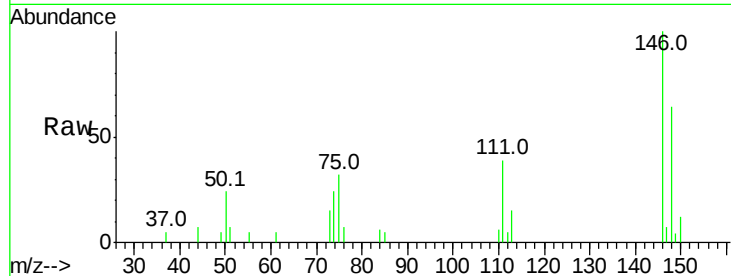




#76
 1,4-Dichlorobenzene
 Concen: 0.08 ppbv
 RT: 19.30 min Scan# 2659
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

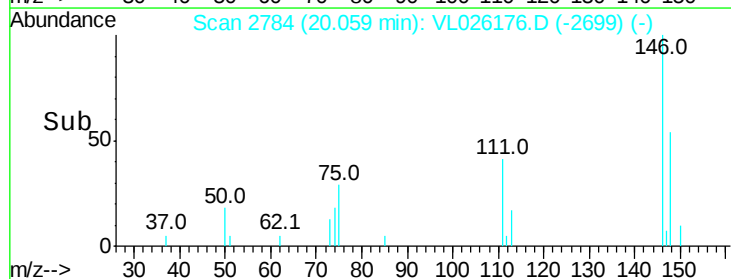
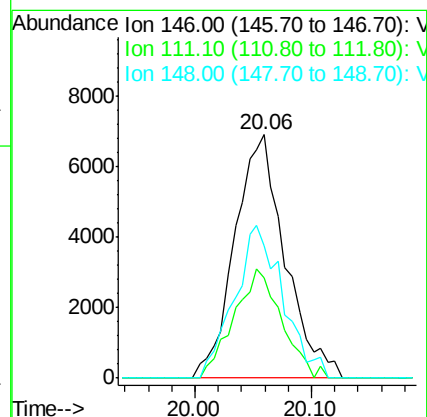
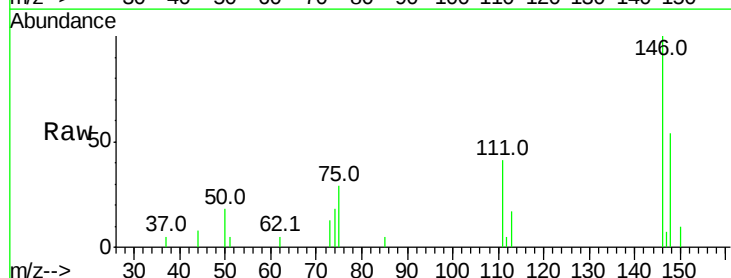
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

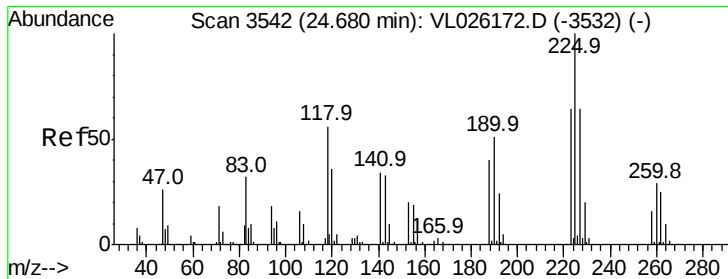
Tgt Ion:146 Resp: 21528
 Ion Ratio Lower Upper
 146 100
 111 39.2 21.3 63.9
 148 64.4 31.6 94.8



#77
 1,2-Dichlorobenzene
 Concen: 0.08 ppbv
 RT: 20.06 min Scan# 2784
 Delta R.T. 0.02 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion:146 Resp: 20689
 Ion Ratio Lower Upper
 146 100
 111 42.4 23.0 69.0
 148 60.4 31.8 95.3

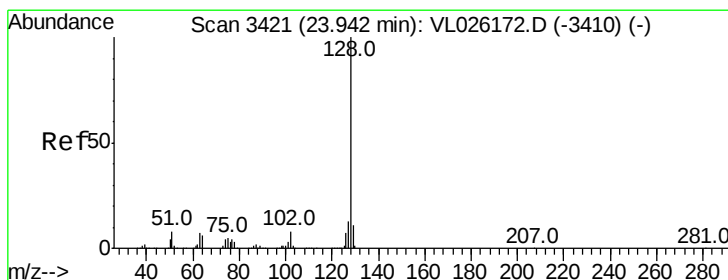
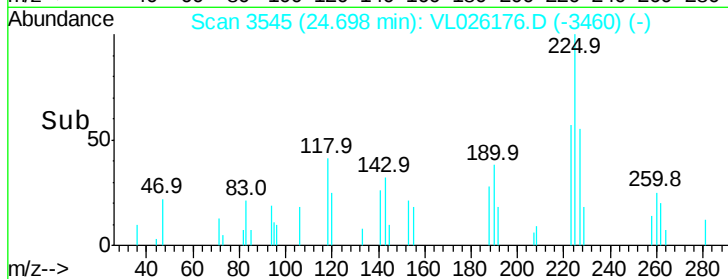
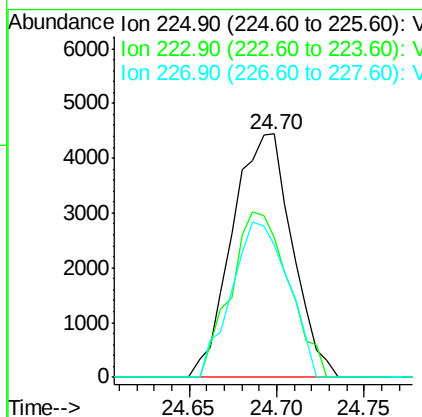
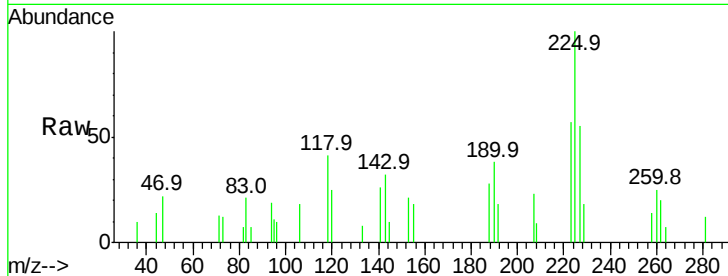




#78
 Hexachloro-1,3-Butadiene
 Concen: 0.10 ppbv
 RT: 24.70 min Scan# 3545
 Delta R.T. 0.02 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

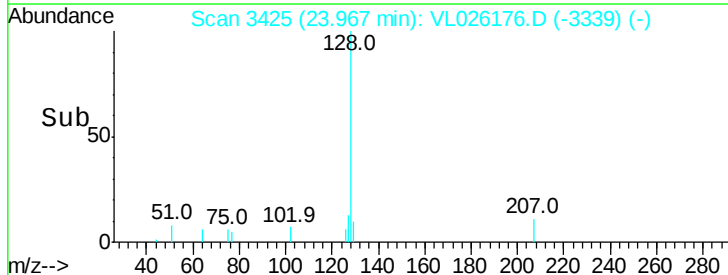
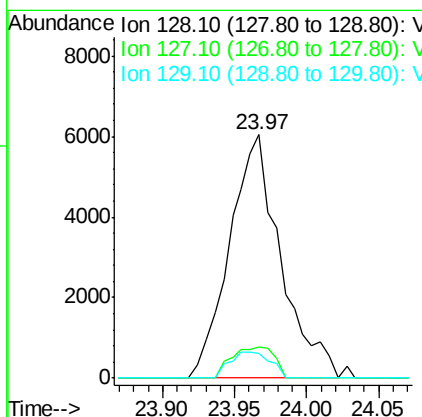
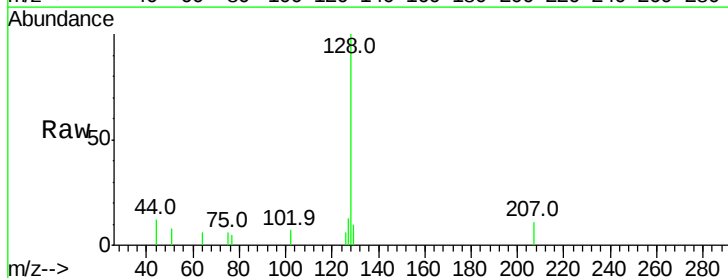
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

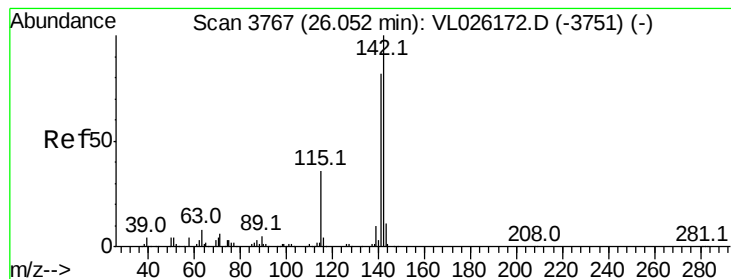
Tgt Ion:	225	Resp:	10586
Ion	Ratio	Lower	Upper
225	100		
223	65.5	51.1	76.7
227	60.3	50.8	76.2



#79
 Naphthalene
 Concen: 0.05 ppbv
 RT: 23.97 min Scan# 3425
 Delta R.T. 0.02 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion:	128	Resp:	14899
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.1	8.7	13.1





#80

Naphthalene, 2-methyl-

Concen: 0.04 ppbv

RT: 26.09 min Scan# 3773

Delta R.T. 0.04 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

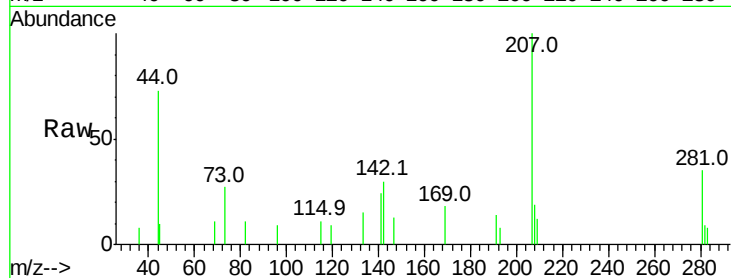
Tgt Ion:142 Resp: 3330

Ion Ratio Lower Upper

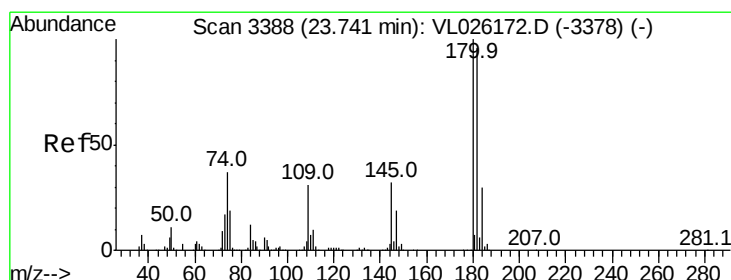
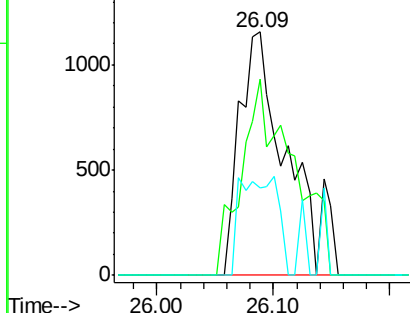
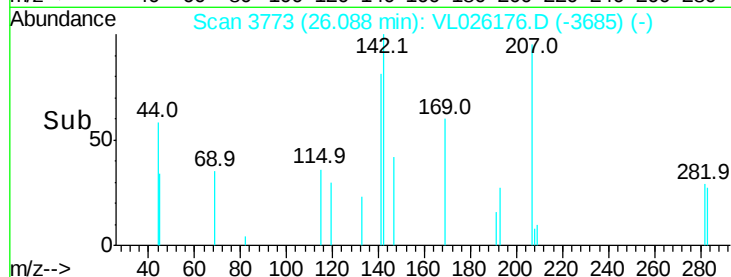
142 100

141 86.6 66.6 99.8

115 36.2 28.4 42.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.06 ppbv

RT: 23.76 min Scan# 3391

Delta R.T. 0.02 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

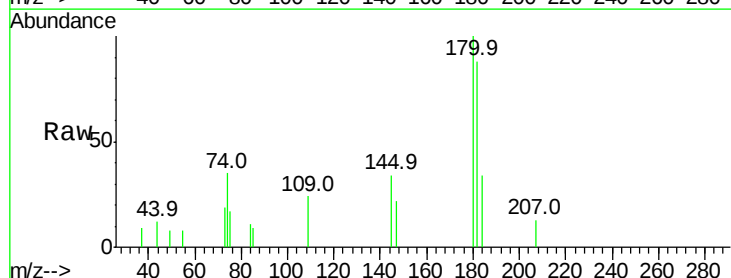
Tgt Ion:180 Resp: 9684

Ion Ratio Lower Upper

180 100

182 91.5 76.4 114.6

184 27.1 24.0 36.0



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

