

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL100915\
 Data File : VL026175.D
 Acq On : 9 Oct 2015 12:57
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Oct 09 14:23:58 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	6.66	49	932555	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2490699	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2865462	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.30	95	2250293	10.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	92985	0.69	ppbv	100
3) Chlorodifluoromethane	3.58	51	57459	0.54	ppbv	99
4) Chloromethane	3.76	50	30865	0.49	ppbv	100
5) Vinyl Chloride	3.90	62	30773	0.46	ppbv	95
6) Bromomethane	4.15	94	23089	0.54	ppbv	96
7) Chloroethane	4.25	64	13706	0.52	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	80278	0.55	ppbv	98
9) Propene	3.60	41	24634	0.45	ppbv	95
10) Heptane	9.37	43	86615	0.46	ppbv	100
11) Trichlorofluoromethane	4.70	101	89847	0.59	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.31	101	61279	0.58	ppbv	100
13) Ethanol	4.36	45	2378	0.36	ppbv #	31
14) Bromoethene	4.46	108	23712	0.52	ppbv	99
15) Acetone	4.64	43	73368	0.63	ppbv #	87
16) 1,3-Butadiene	3.98	39	27687	0.48	ppbv	95
17) tert-Butyl alcohol	5.18	59	35415	0.47	ppbv	99
18) 1,1-Dichloroethene	5.09	96	26866	0.54	ppbv	97
19) Isopropyl Alcohol	4.80	45	22263	0.46	ppbv #	1
20) Methylene Chloride	5.16	84	28304	0.57	ppbv	96
21) Allyl Chloride	5.23	41	38764	0.48	ppbv #	85
22) trans-1,2-Dichloroethene	5.78	96	34085	0.51	ppbv	96
23) Vinyl Acetate	6.00	43	98886	0.45	ppbv #	94
24) 1,1-Dichloroethane	5.92	63	73564	0.50	ppbv	99
25) Ethyl Acetate	6.67	43	32525	0.13	ppbv #	75
26) Hexane	6.67	57	55351	0.47	ppbv	94
27) Carbon Disulfide	5.40	76	60453	0.48	ppbv #	94
28) Methyl tert-Butyl Ether	5.99	73	84735	0.47	ppbv	97
29) Chloroform	6.76	83	84824	0.52	ppbv	97
30) Cyclohexane	8.30	84	50123	0.45	ppbv #	46
31) cis-1,2-Dichloroethene	6.53	61	48289	0.45	ppbv	99
32) 1,1,1-Trichloroethane	7.60	97	79207	0.48	ppbv	98
34) 2-Butanone	6.23	43	69287	0.43	ppbv	99
35) Carbon Tetrachloride	8.17	117	77496	0.46	ppbv	97
36) Benzene	8.03	78	120808	0.46	ppbv	99
37) 1,2-Dichloroethane	7.38	62	66348	0.50	ppbv	99
38) Trichloroethene	9.07	130	53454	0.46	ppbv	97
39) 1,2-Dichloropropane	8.84	63	46971	0.48	ppbv	88
40) 1,4-Dioxane	9.22	88	2270	0.16	ppbv #	1
41) Tetrahydrofuran	7.18	42	35087	0.37	ppbv	97
42) Bromodichloromethane	9.04	83	81812	0.47	ppbv	95
43) Methyl Methacrylate	9.29	69	36932	0.39	ppbv	98

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Oct 09 14:23:58 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

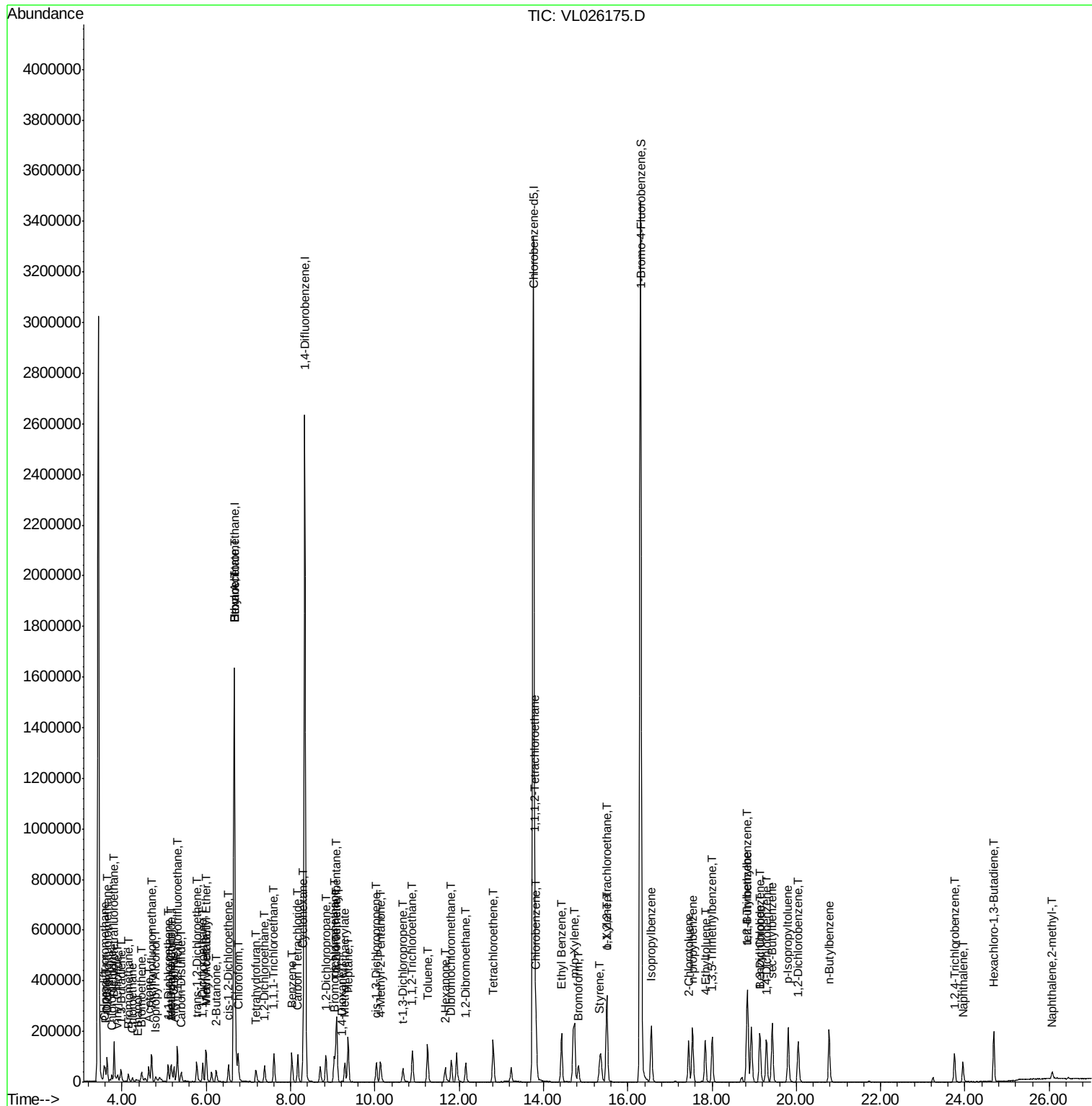
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	206470	0.46	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	44123	0.36	ppbv	99
46) cis-1,3-Dichloropropene	10.03	75	59192	0.39	ppbv	96
47) 1,1,2-Trichloroethane	10.89	97	55498	0.50	ppbv	96
48) Dibromochloromethane	11.81	129	65085	0.43	ppbv	97
49) Bromoform	14.83	173	45567	0.40	ppbv	99
50) 4-Methyl-2-Pentanone	10.13	43	80665	0.38	ppbv	99
51) 2-Hexanone	11.67	43	64477	0.33	ppbv #	97
52) Tetrachloroethene	12.81	164	55351	0.46	ppbv	99
53) Toluene	11.25	91	147638	0.44	ppbv	97
54) 1,2-Dibromoethane	12.16	107	79468	0.48	ppbv	93
56) 1,1,1,2-Tetrachloroethane	13.80	131	57483	0.48	ppbv #	1
57) Chlorobenzene	13.83	112	141818	0.50	ppbv	99
58) Ethyl Benzene	14.43	91	202840	0.43	ppbv	99
59) m/p-Xylene	14.74	91	347618	0.93	ppbv	98
60) o-Xylene	15.51	91	188976	0.49	ppbv	97
61) Styrene	15.33	104	57989	0.35	ppbv	99
62) Isopropylbenzene	16.56	105	235759	0.46	ppbv	97
63) 1,1,2,2-Tetrachloroethane	15.50	83	135226	0.45	ppbv	100
64) n-propylbenzene	17.54	120	60782	0.45	ppbv	89
65) tert-Butylbenzene	18.83	119	206892	0.46	ppbv	100
66) Benzyl Chloride	19.13	91	42273	0.35	ppbv	93
67) sec-Butylbenzene	19.43	105	279421	0.44	ppbv	98
69) p-Isopropyltoluene	19.81	119	210169	0.41	ppbv	100
70) n-Butylbenzene	20.78	91	197812	0.39	ppbv	96
71) 2-Chlorotoluene	17.44	91	159575	0.41	ppbv	96
72) 4-Ethyltoluene	17.84	105	168824	0.40	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	164902	0.42	ppbv	100
74) 1,2,4-Trimethylbenzene	18.85	105	188078	0.46	ppbv	99
75) 1,3-Dichlorobenzene	19.14	146	121964	0.48	ppbv	98
76) 1,4-Dichlorobenzene	19.30	146	117241	0.44	ppbv	98
77) 1,2-Dichlorobenzene	20.04	146	114818	0.45	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	51046	0.50	ppbv	99
79) Naphthalene	23.95	128	98438	0.31	ppbv	99
80) Naphthalene,2-methyl-	26.07	142	23740	0.32	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	54079	0.35	ppbv	99

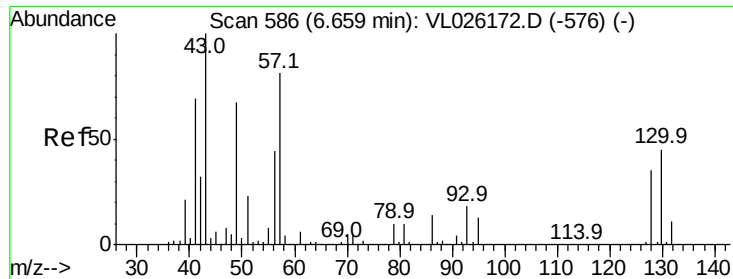
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 9 Oct 2015 12:57
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Oct 09 14:23:58 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 09 14:20:41 2015
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

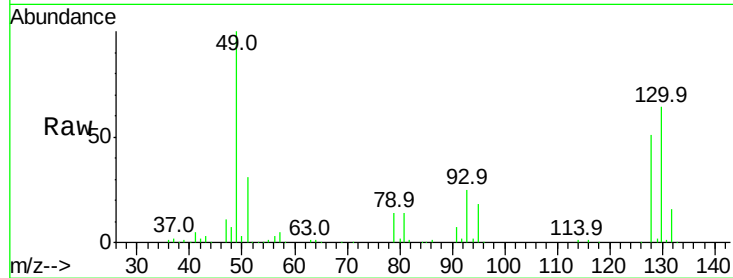
Tgt Ion: 49 Resp: 932555

Ion Ratio Lower Upper

49 100

128 52.8 26.3 78.8

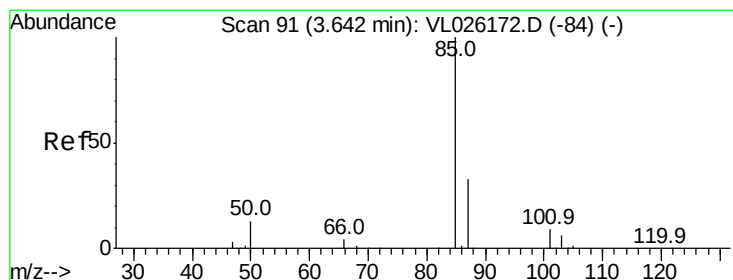
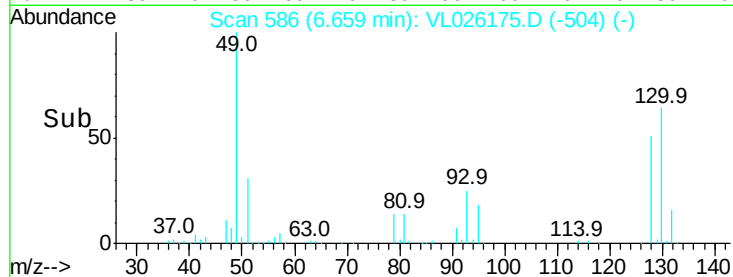
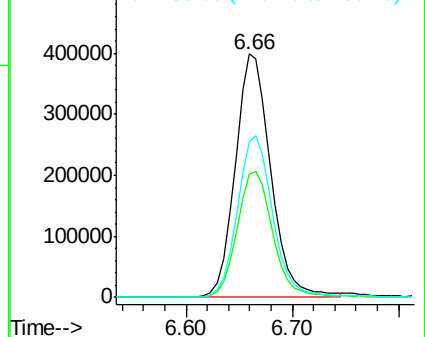
130 67.4 34.2 102.5



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: 0.69 ppbv

RT: 3.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VL026175.D

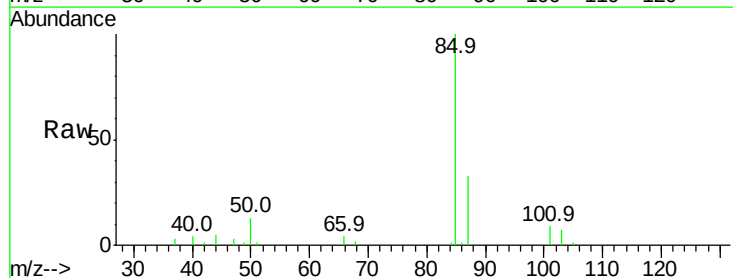
Acq: 9 Oct 2015 12:57

Tgt Ion: 85 Resp: 92985

Ion Ratio Lower Upper

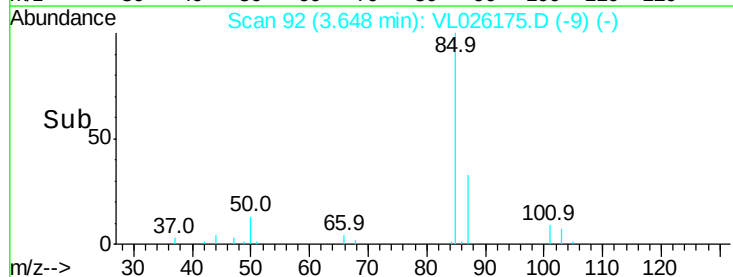
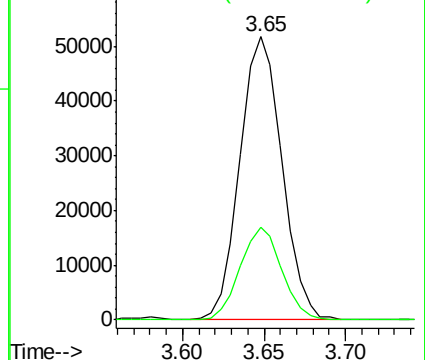
85 100

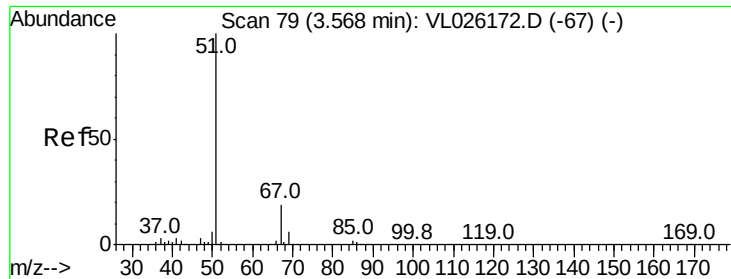
87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.54 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

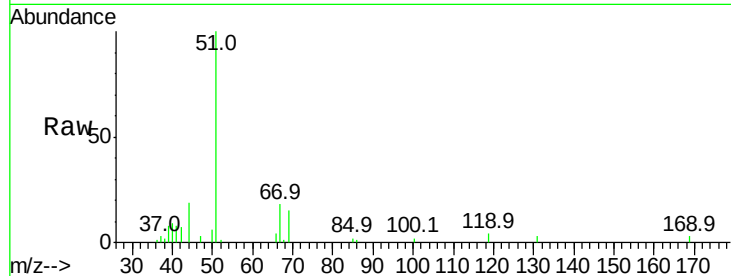
VSTDIC0.5

Tgt Ion: 51 Resp: 57459

Ion Ratio Lower Upper

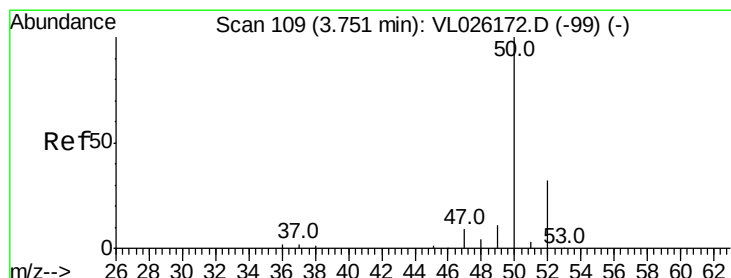
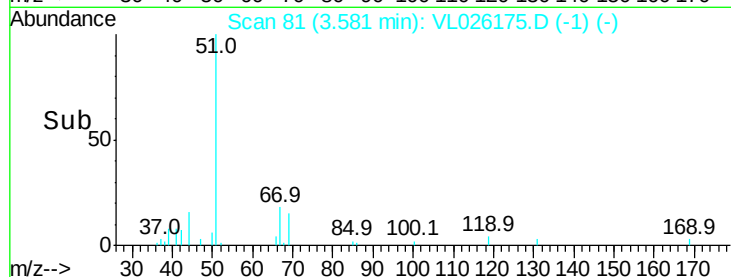
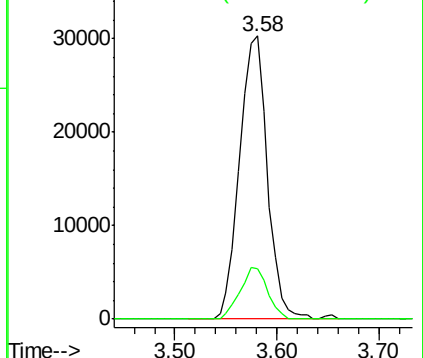
51 100

67 18.0 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.49 ppbv

RT: 3.76 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL026175.D

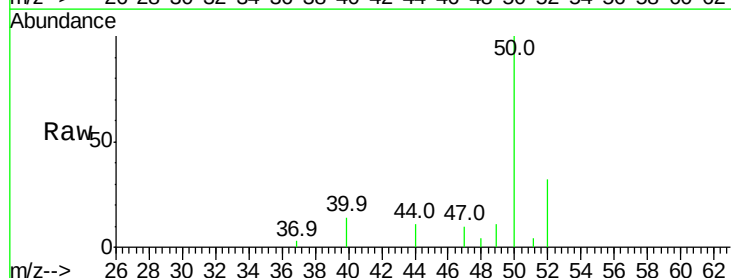
Acq: 9 Oct 2015 12:57

Tgt Ion: 50 Resp: 30865

Ion Ratio Lower Upper

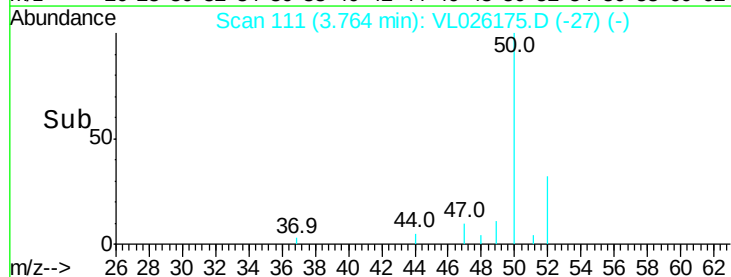
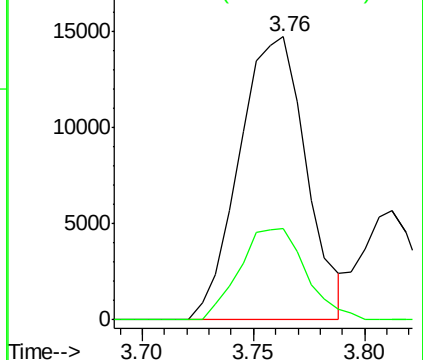
50 100

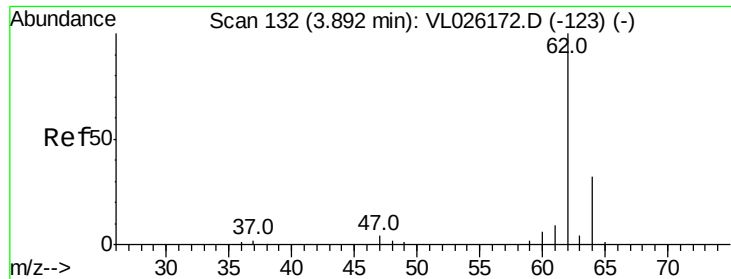
52 32.4 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.46 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

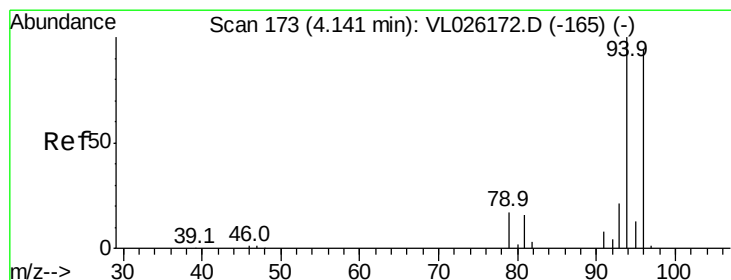
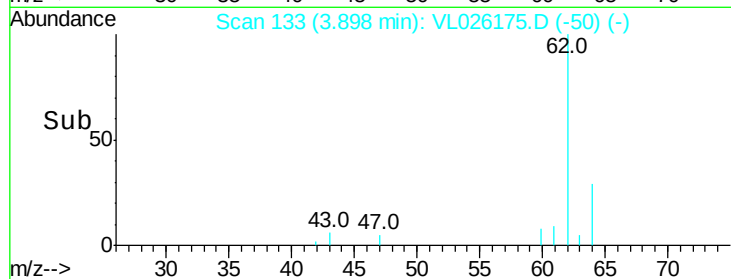
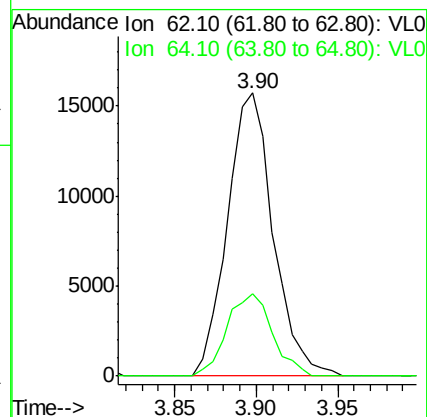
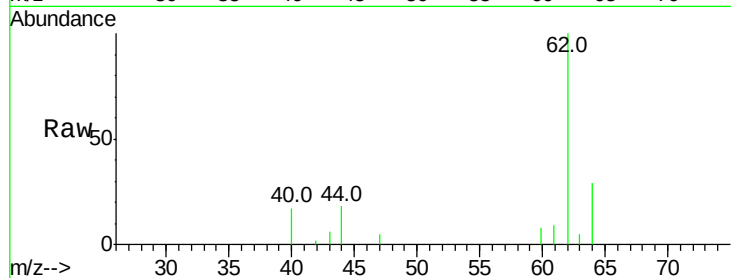
VSTDIC0.5

Tgt Ion: 62 Resp: 30773

Ion Ratio Lower Upper

62 100

64 29.1 25.6 38.4



#6

Bromomethane

Concen: 0.54 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL026175.D

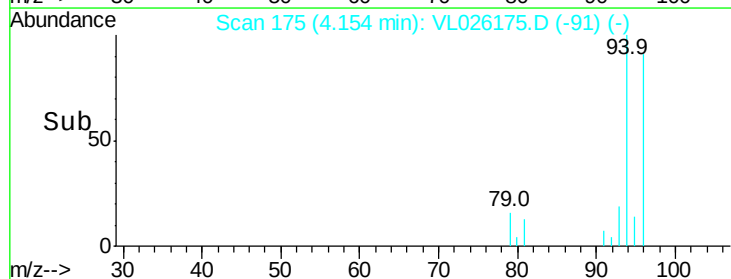
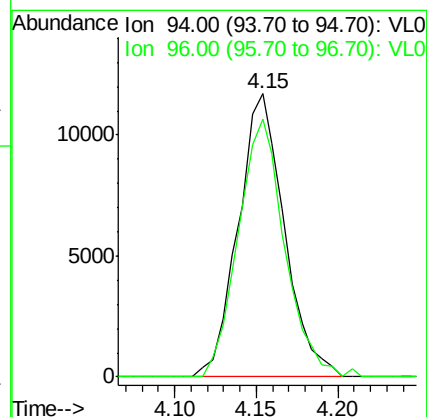
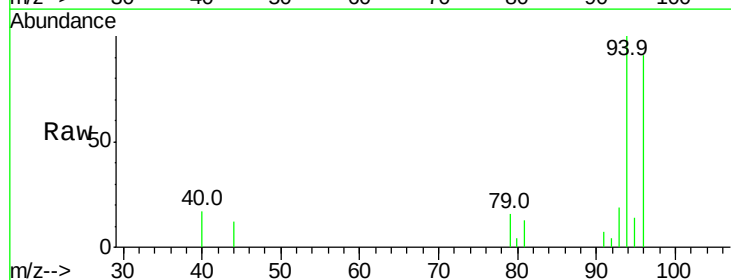
Acq: 9 Oct 2015 12:57

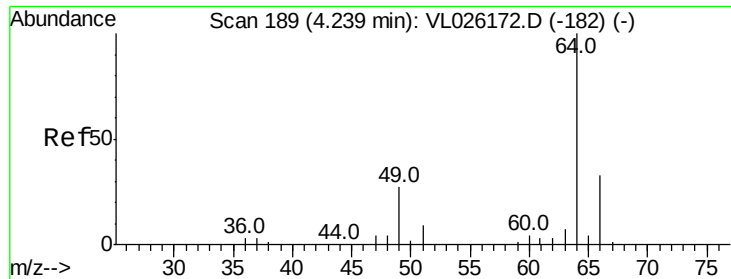
Tgt Ion: 94 Resp: 23089

Ion Ratio Lower Upper

94 100

96 90.9 75.4 113.2





#7

Chloroethane

Concen: 0.52 ppbv

RT: 4.25 min Scan# 191

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

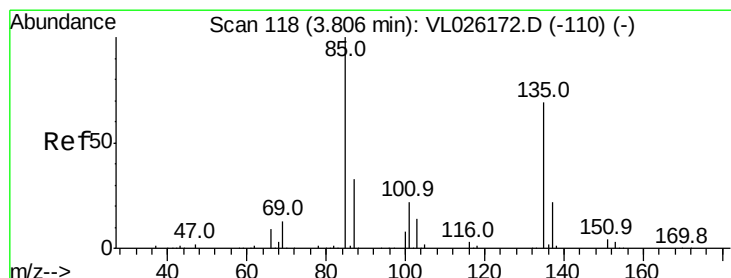
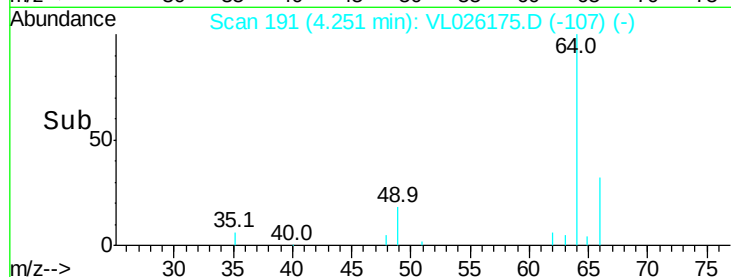
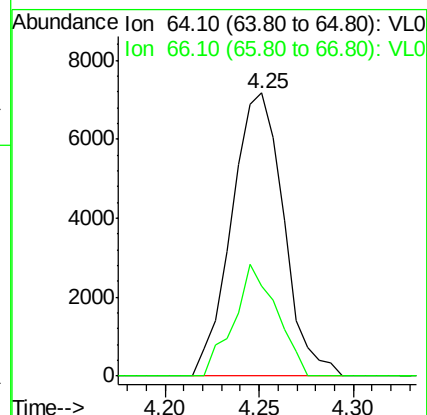
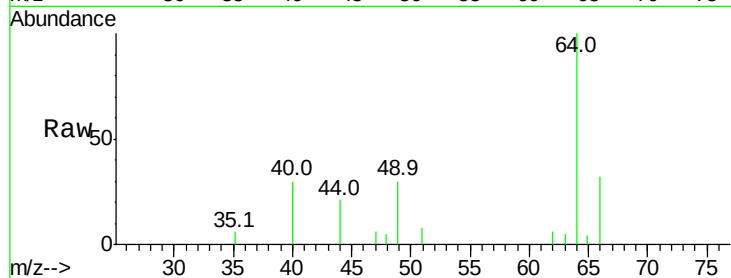
VSTDIC0.5

Tgt Ion: 64 Resp: 13706

Ion Ratio Lower Upper

64 100

66 31.7 26.5 39.7



#8

Dichlorotetrafluoroethane

Concen: 0.55 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL026175.D

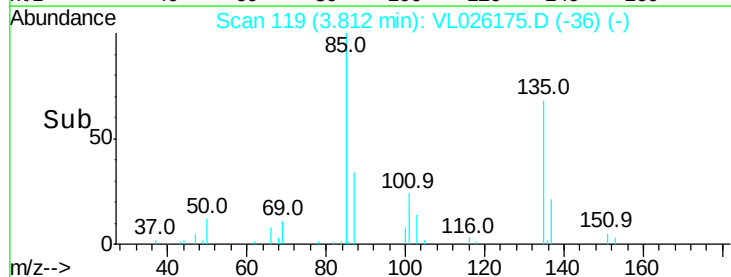
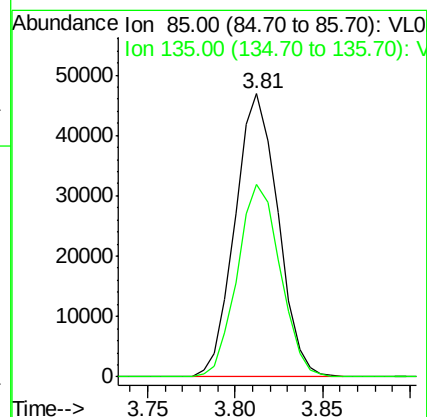
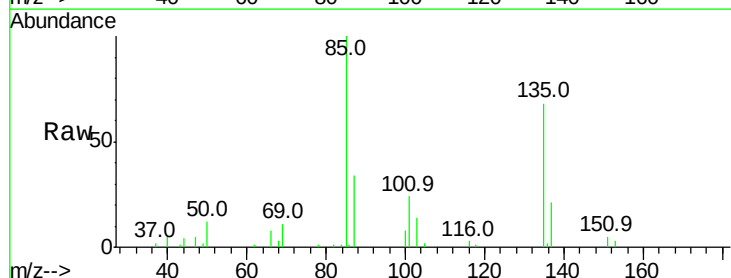
Acq: 9 Oct 2015 12:57

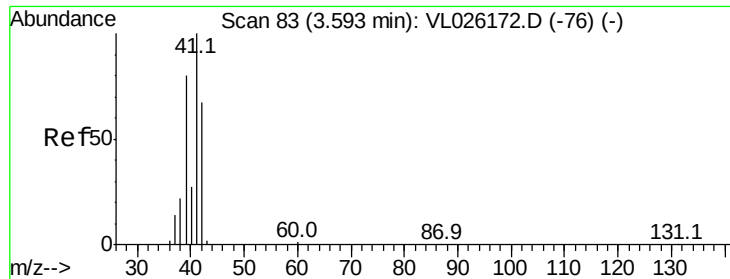
Tgt Ion: 85 Resp: 80278

Ion Ratio Lower Upper

85 100

135 67.7 55.3 82.9





#9

Propene

Concen: 0.45 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

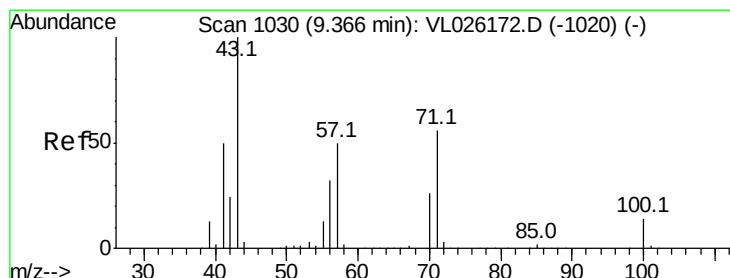
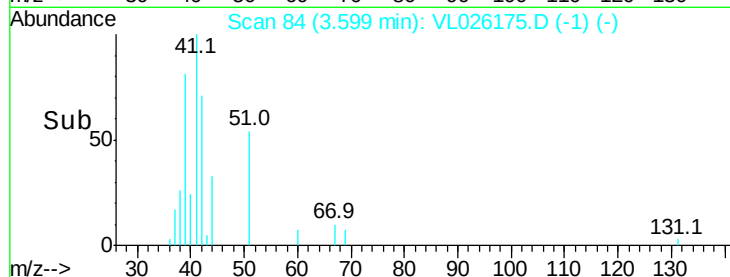
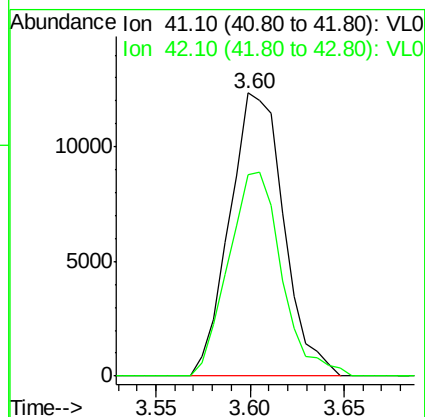
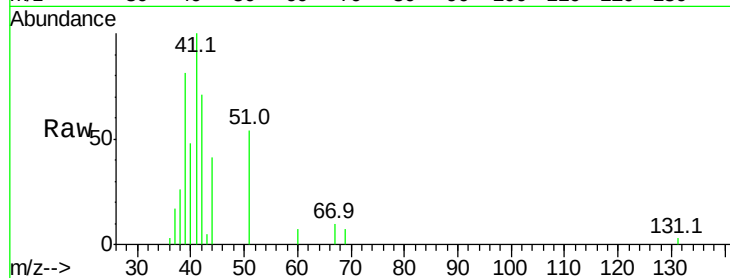
VSTDIC0.5

Tgt Ion: 41 Resp: 24634

Ion Ratio Lower Upper

41 100

42 70.7 53.6 80.4



#10

Heptane

Concen: 0.46 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VL026175.D

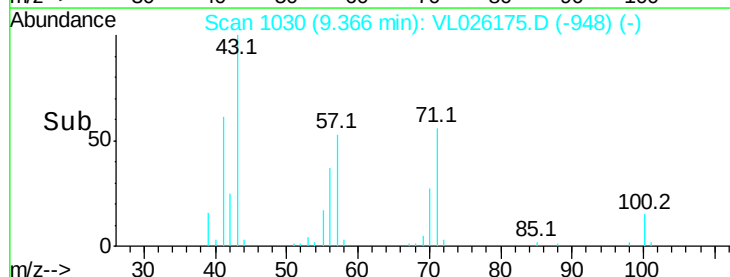
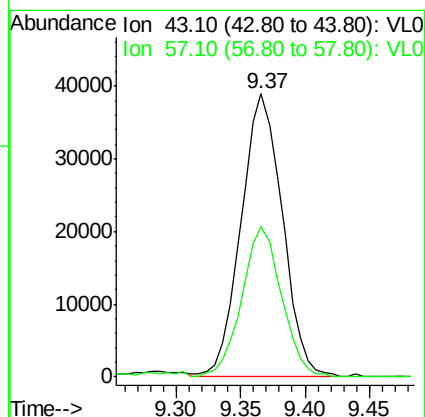
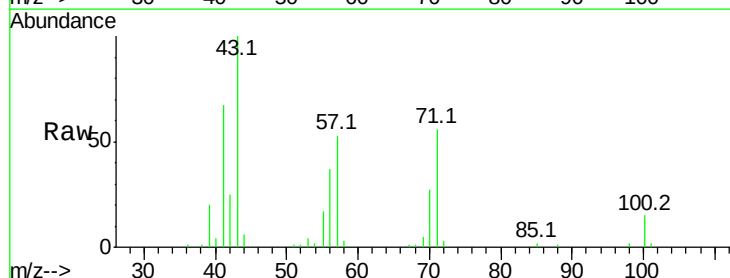
Acq: 9 Oct 2015 12:57

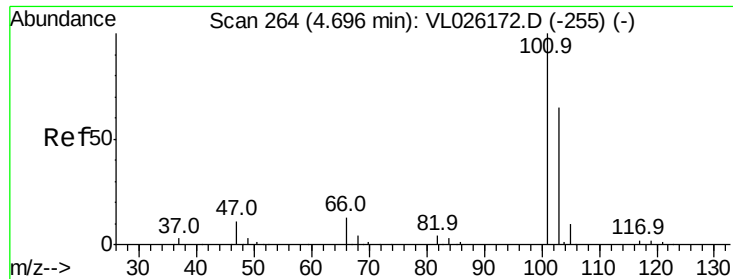
Tgt Ion: 43 Resp: 86615

Ion Ratio Lower Upper

43 100

57 52.3 41.8 62.8

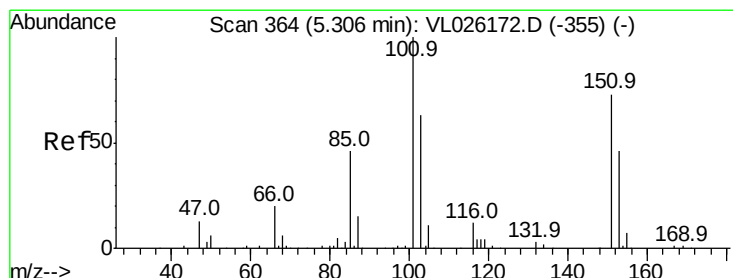
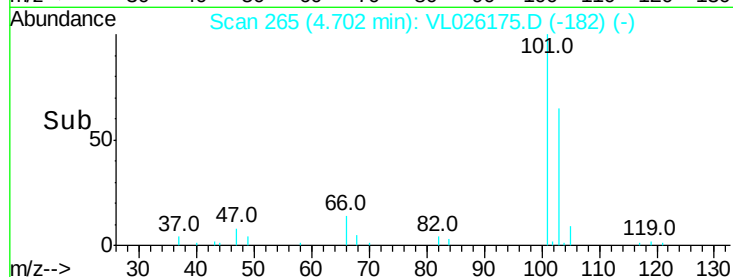
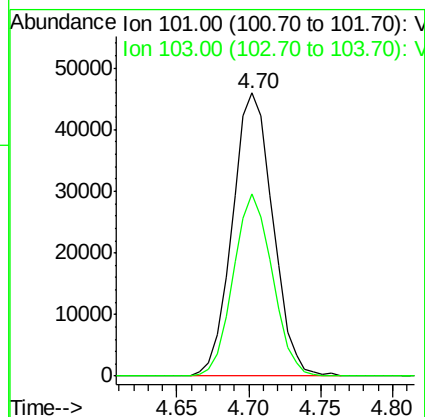
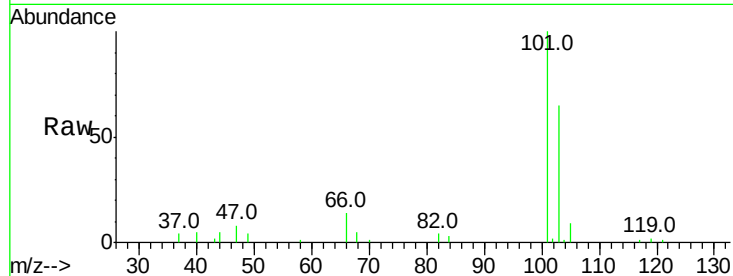




#11
 Trichlorofluoromethane
 Concen: 0.59 ppbv
 RT: 4.70 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

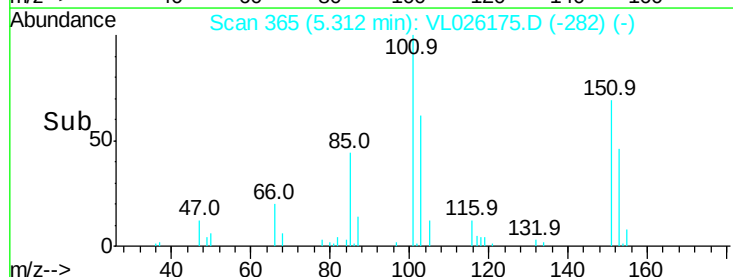
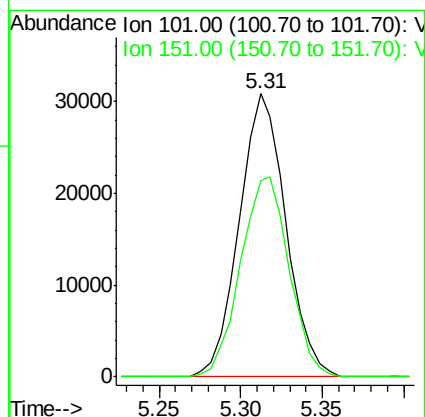
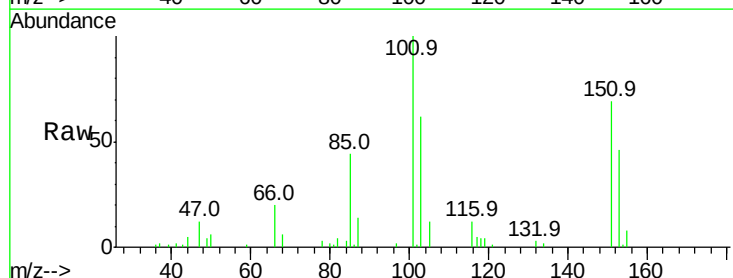
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

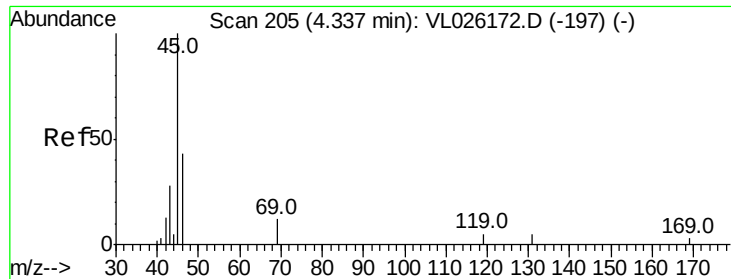
Tgt Ion:101 Resp: 89847
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.58 ppbv
 RT: 5.31 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion:101 Resp: 61279
 Ion Ratio Lower Upper
 101 100
 151 73.5 59.0 88.6





#13

Ethanol

Concen: 0.36 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

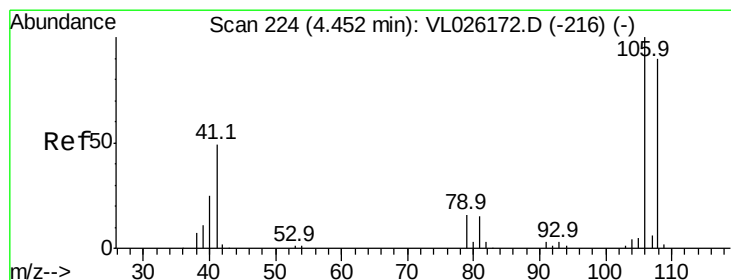
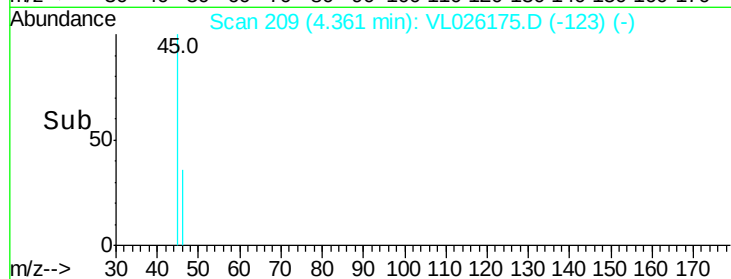
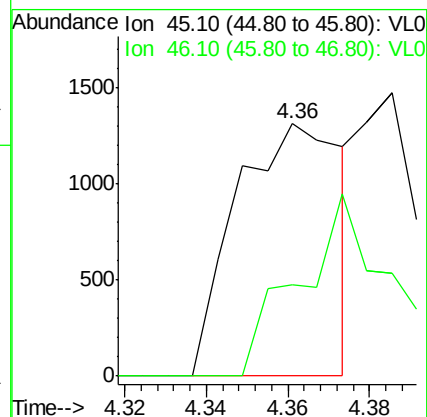
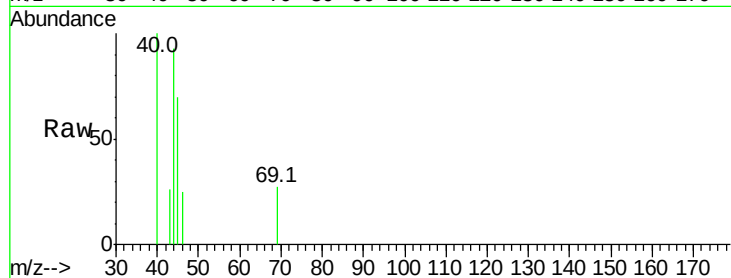
VSTDIC0.5

Tgt Ion: 45 Resp: 2378

Ion Ratio Lower Upper

45 100

46 0.0 18.1 72.5#



#14

Bromoethene

Concen: 0.52 ppbv

RT: 4.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

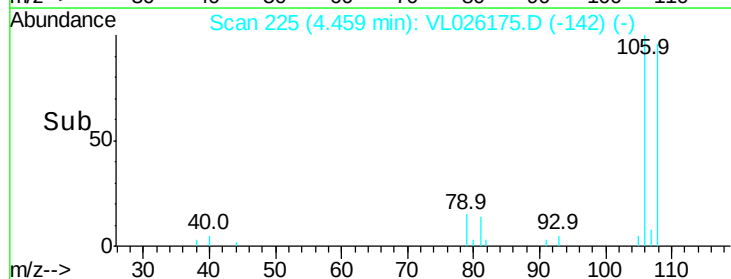
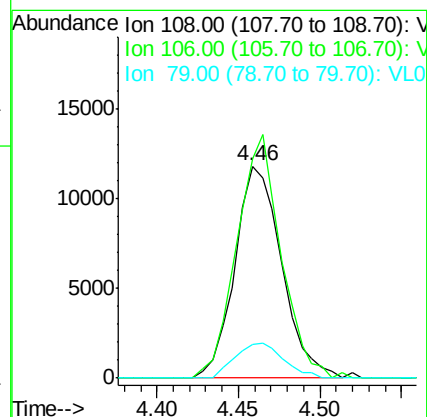
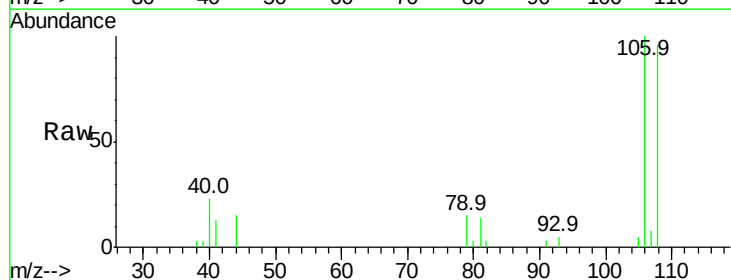
Tgt Ion: 108 Resp: 23712

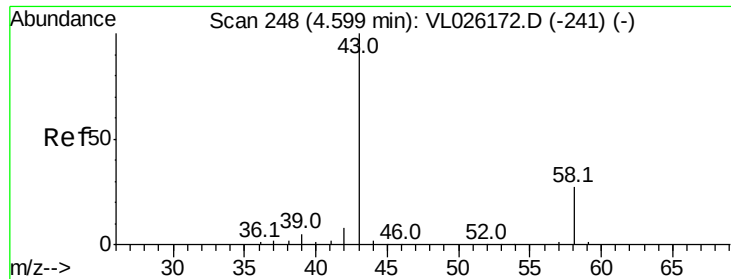
Ion Ratio Lower Upper

108 100

106 108.2 85.9 128.9

79 17.2 14.0 21.0





#15

Acetone

Concen: 0.63 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.04 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

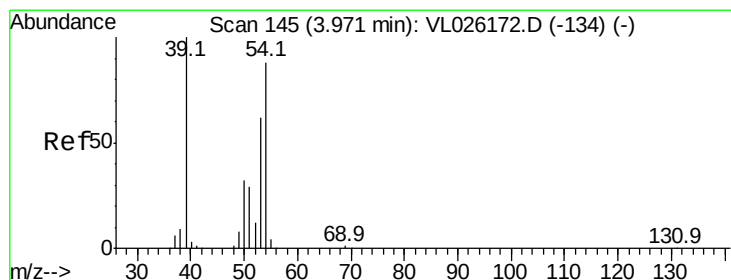
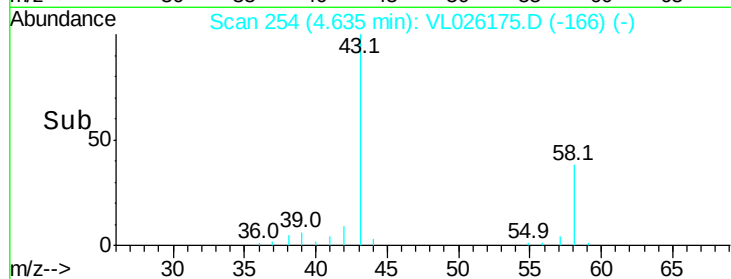
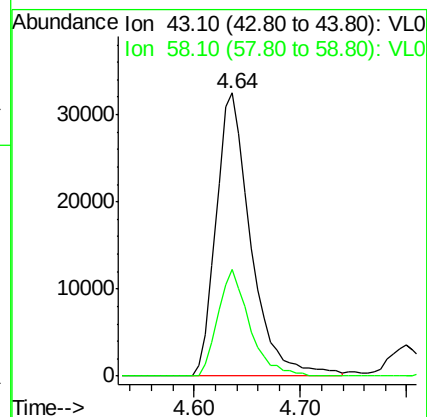
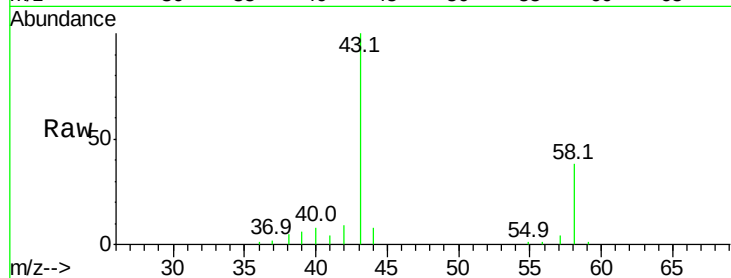
VSTDIC0.5

Tgt Ion: 43 Resp: 73368

Ion Ratio Lower Upper

43 100

58 34.4 22.0 33.0#



#16

1,3-Butadiene

Concen: 0.48 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL026175.D

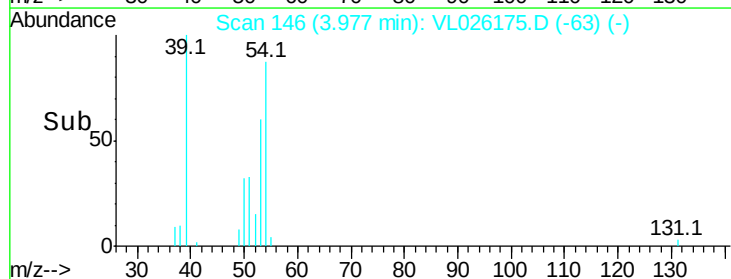
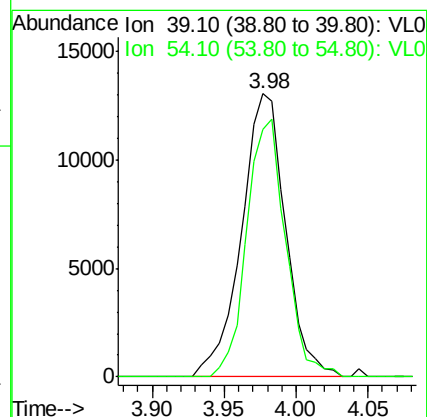
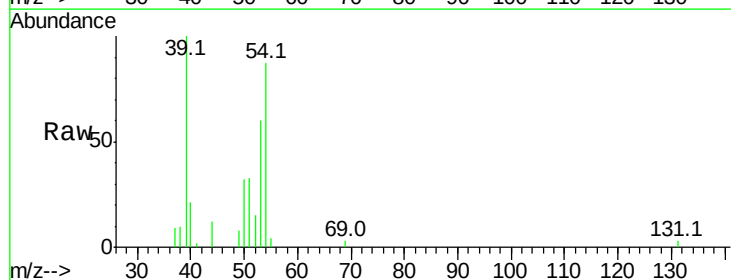
Acq: 9 Oct 2015 12:57

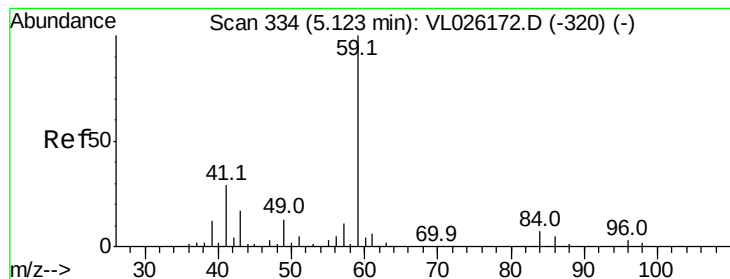
Tgt Ion: 39 Resp: 27687

Ion Ratio Lower Upper

39 100

54 80.0 67.9 101.9





#17

tert-Butyl alcohol

Concen: 0.47 ppbv

RT: 5.18 min Scan# 343

Delta R.T. 0.05 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

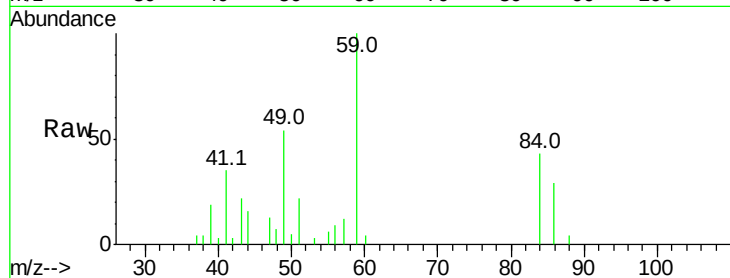
VSTDIC0.5

Tgt Ion: 59 Resp: 35415

Ion Ratio Lower Upper

59 100

57 11.5 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.18

15000

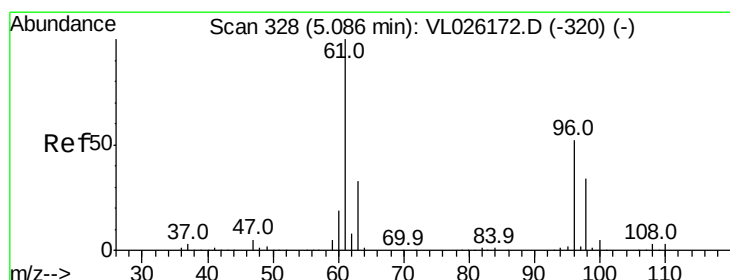
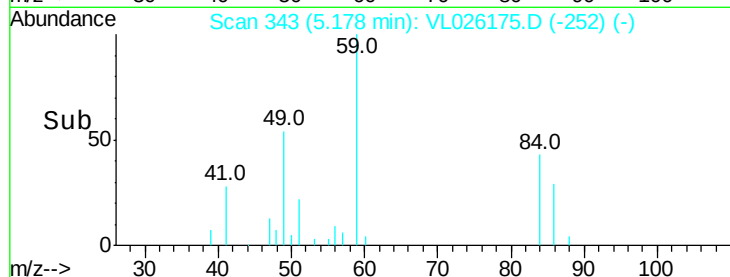
10000

5000

0

Time-->

5.10 5.15 5.20 5.25 5.30



#18

1,1-Dichloroethene

Concen: 0.54 ppbv

RT: 5.09 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

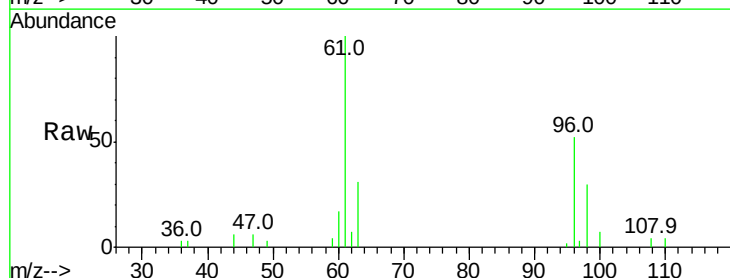
Tgt Ion: 96 Resp: 26866

Ion Ratio Lower Upper

96 100

61 193.6 153.2 229.8

98 58.5 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

5.09

30000

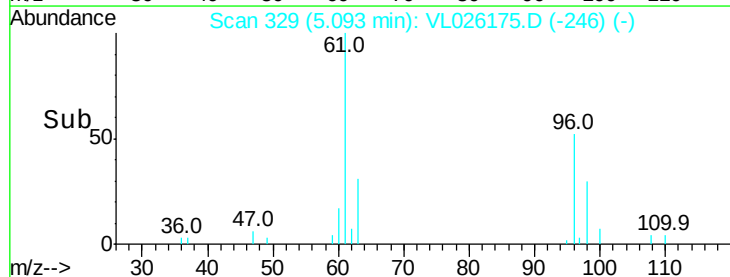
20000

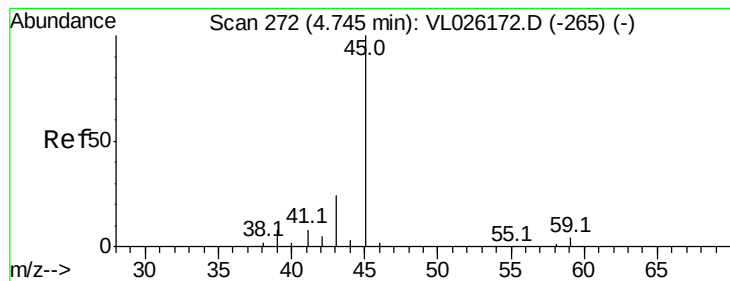
10000

0

Time-->

5.05 5.10 5.15





#19

Isopropyl Alcohol

Concen: 0.46 ppbv

RT: 4.80 min Scan# 281

Delta R.T. 0.05 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

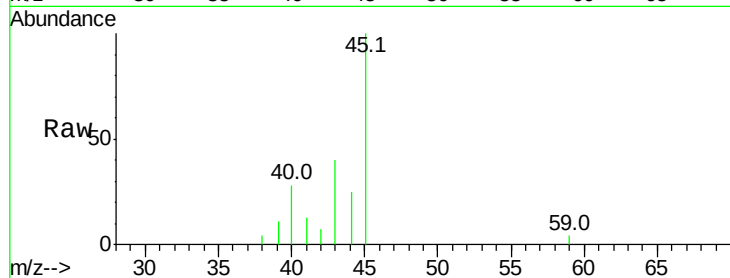
VSTDIC0.5

Tgt Ion: 45 Resp: 22263

Ion Ratio Lower Upper

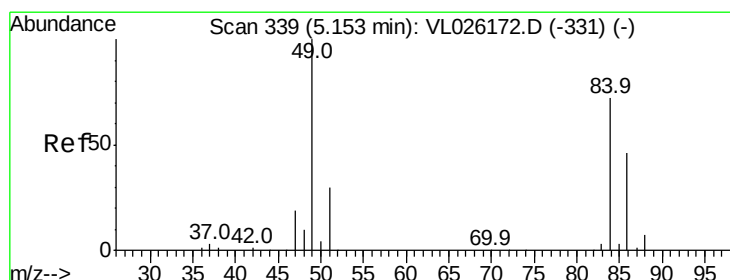
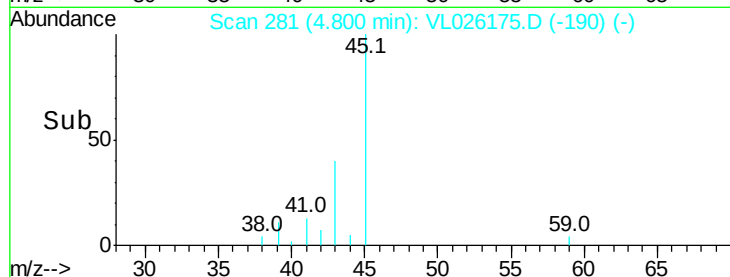
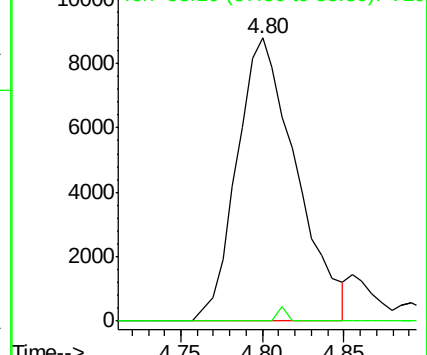
45 100

58 113.4 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: 0.57 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion: 84 Resp: 28304

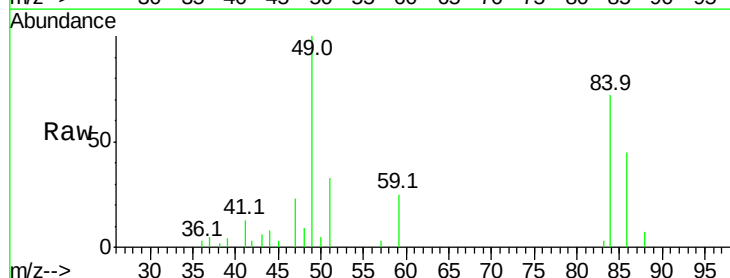
Ion Ratio Lower Upper

84 100

49 134.5 111.3 166.9

51 46.2 33.0 49.6

86 63.1 51.6 77.4

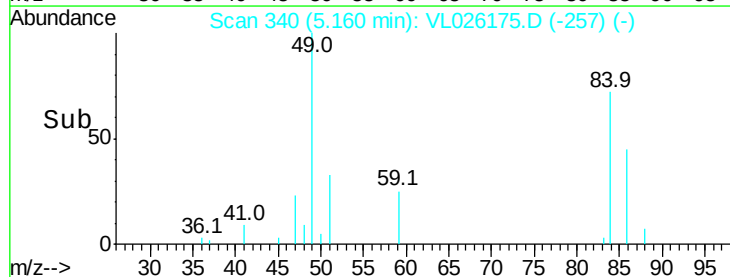
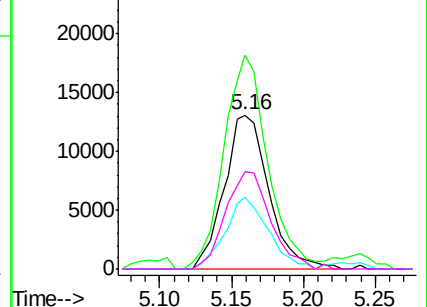


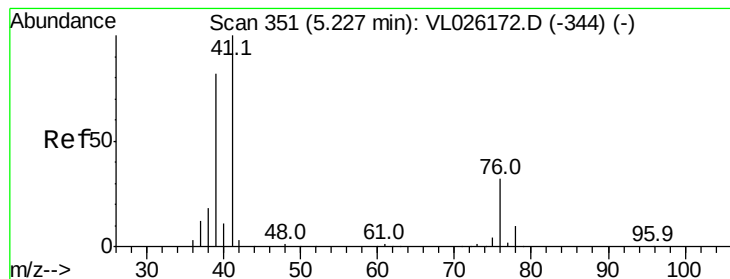
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.48 ppbv

RT: 5.23 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

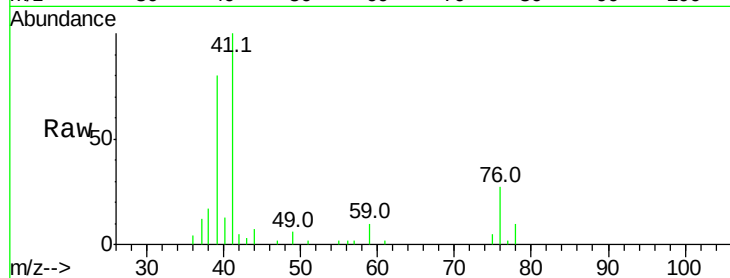
Tgt Ion: 41 Resp: 38764

Ion Ratio Lower Upper

41 100

76 29.9 25.4 38.2

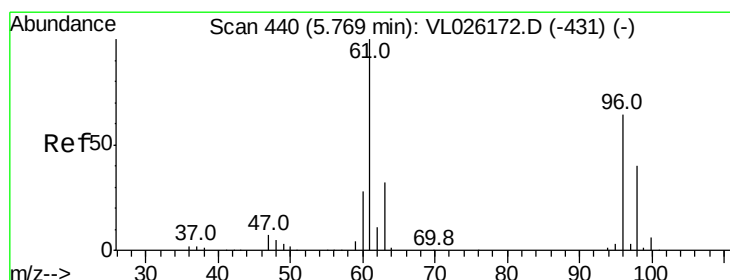
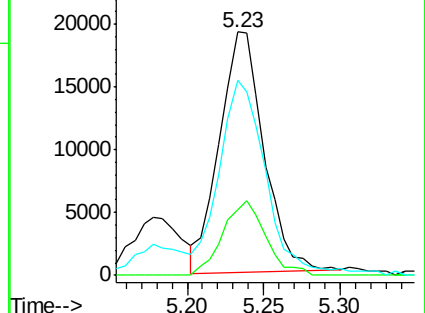
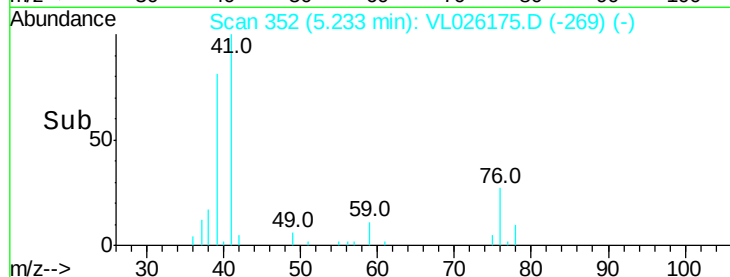
39 100.1 66.5 99.7#



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: 0.51 ppbv

RT: 5.78 min Scan# 441

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

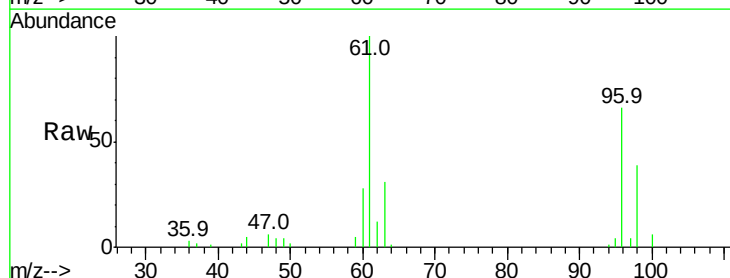
Tgt Ion: 96 Resp: 34085

Ion Ratio Lower Upper

96 100

61 152.1 125.8 188.6

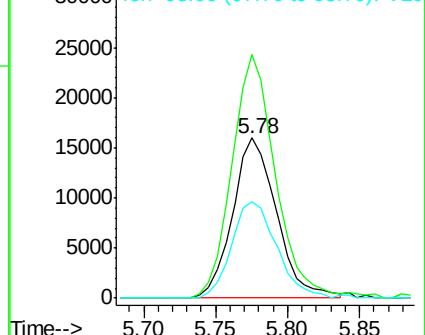
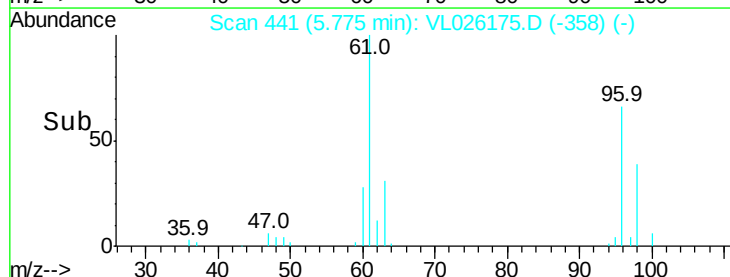
98 59.8 50.6 75.8

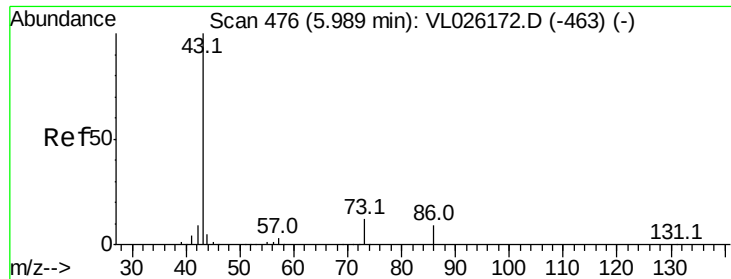


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.45 ppbv

RT: 6.00 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 98886

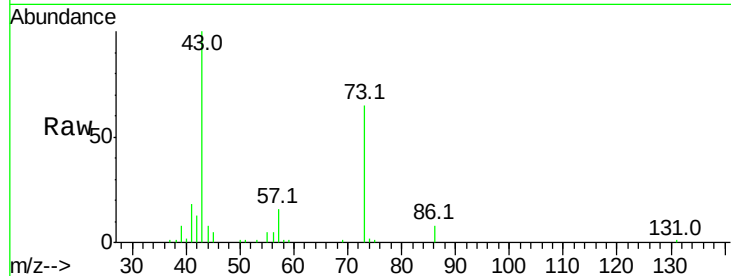
Ion Ratio Lower Upper

43 100

86 7.7 7.2 10.8

42 12.7 7.4 11.2#

44 6.0 3.9 5.9#

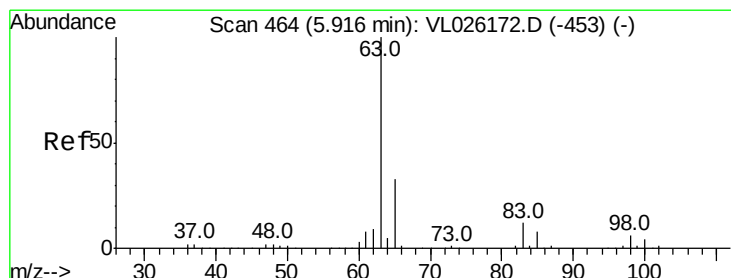
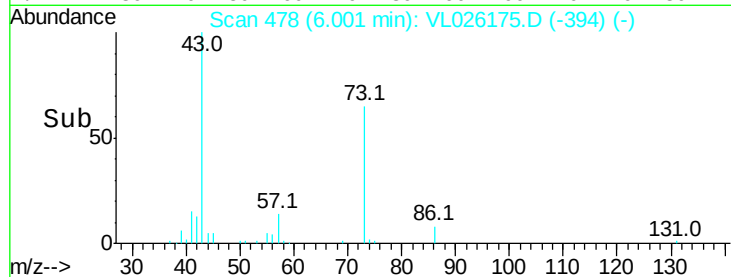
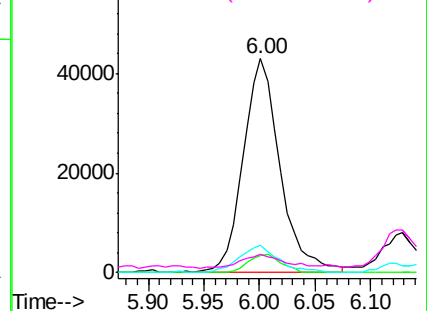


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.50 ppbv

RT: 5.92 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

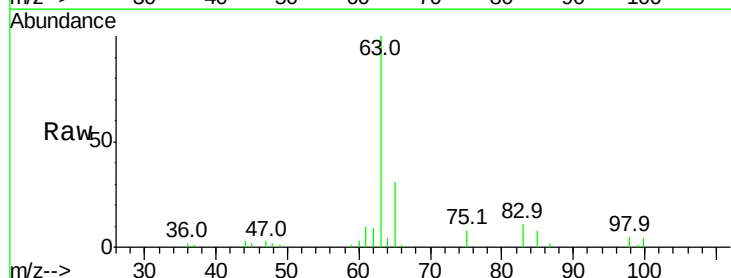
Tgt Ion: 63 Resp: 73564

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.7

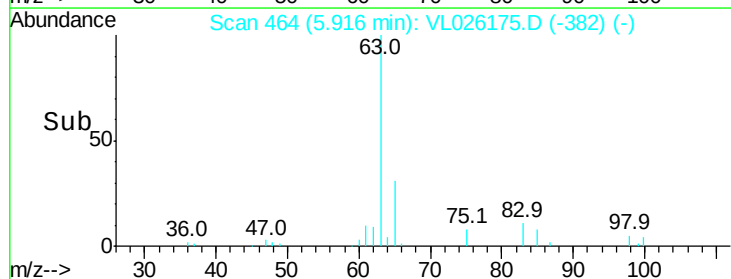
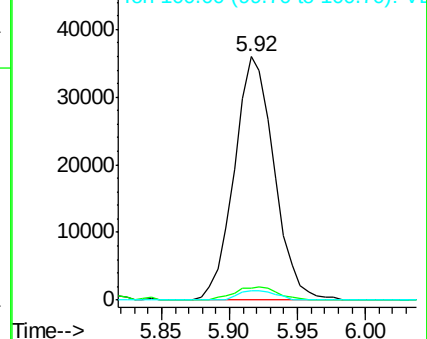
100 3.7 1.8 5.5

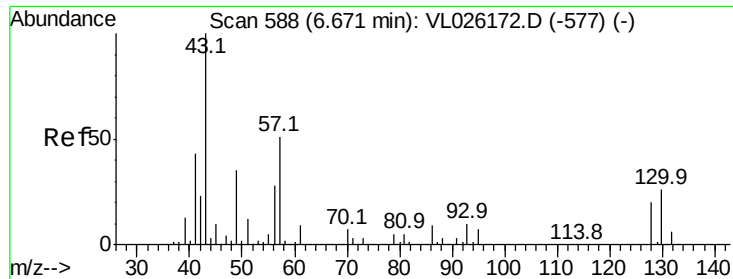


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

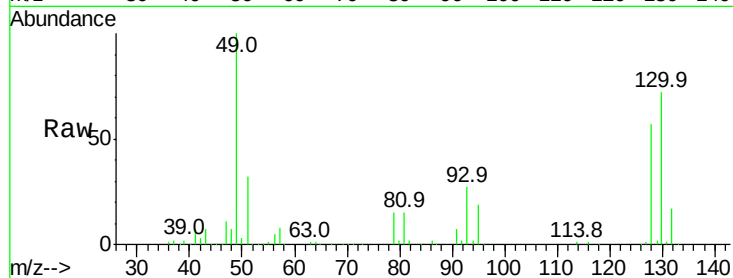




#25
Ethyl Acetate
Concen: 0.13 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	43	Resp:	32525
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.7	11.5#
61	0.0	7.4	11.2#
70	0.0	6.6	9.8#



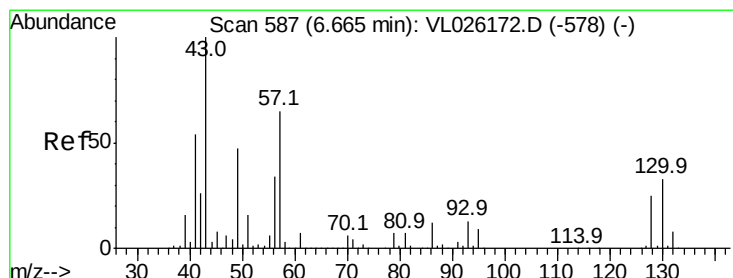
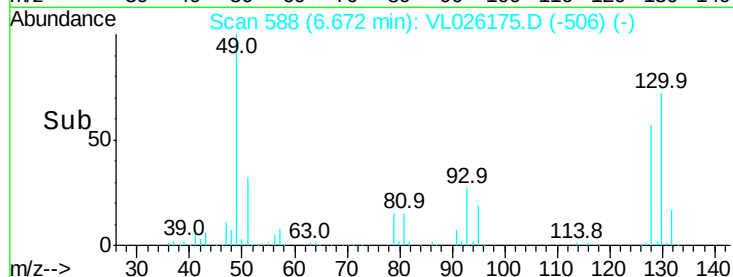
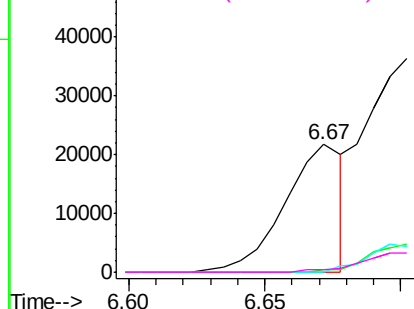
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

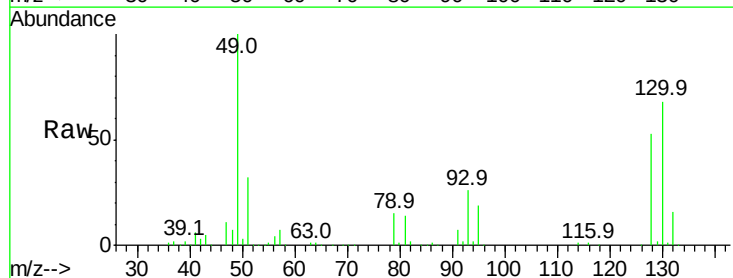
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.47 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion:	57	Resp:	55351
Ion	Ratio	Lower	Upper
57	100		
41	88.4	68.0	102.0
43	216.2	164.4	246.6
56	56.2	42.7	64.1



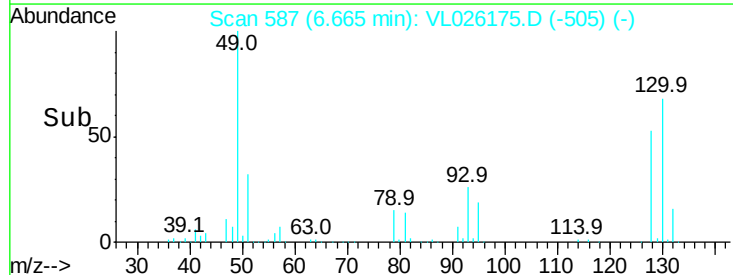
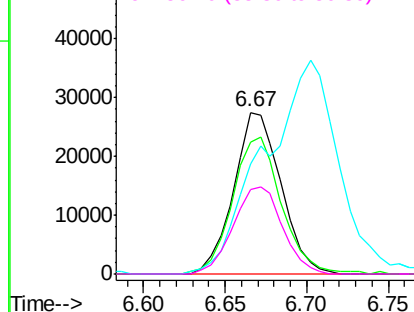
Abundance

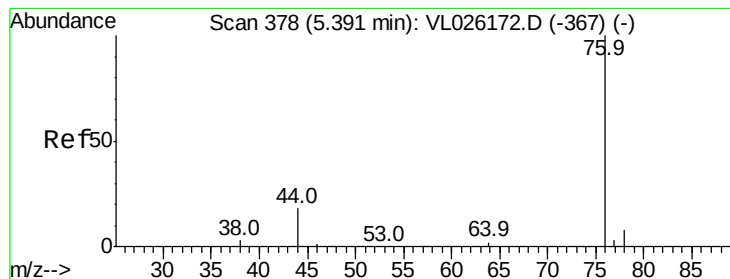
Ion 57.10 (56.80 to 57.80): VL0

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: 0.48 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

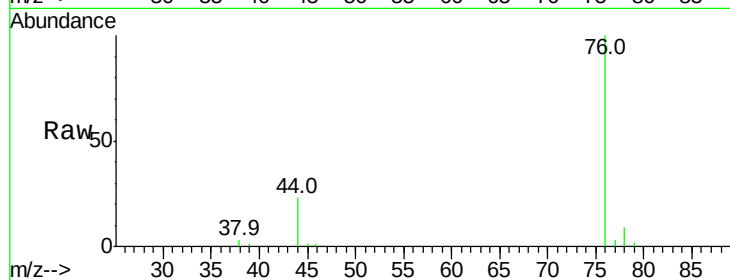
Tgt Ion: 76 Resp: 60453

Ion Ratio Lower Upper

76 100

44 21.7 14.2 21.4#

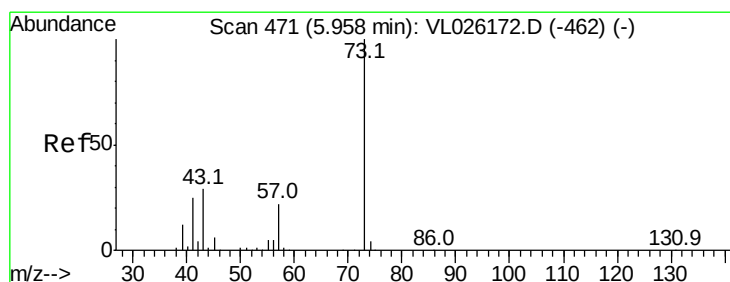
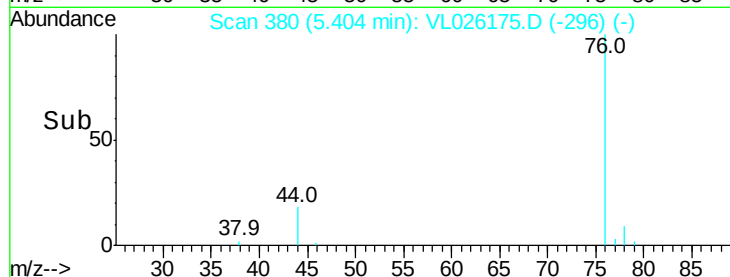
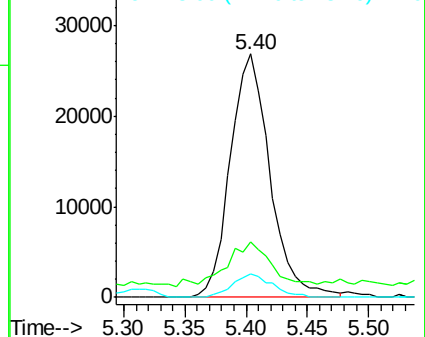
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.47 ppbv

RT: 5.99 min Scan# 476

Delta R.T. 0.03 min

Lab File: VL026175.D

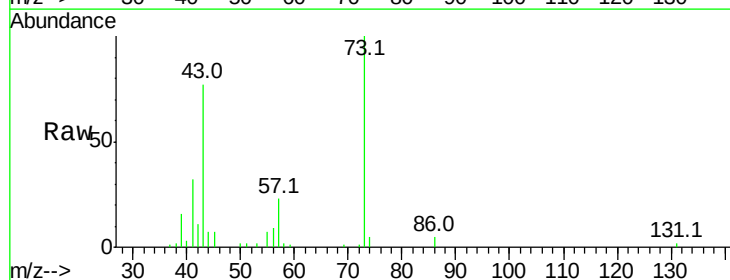
Acq: 9 Oct 2015 12:57

Tgt Ion: 73 Resp: 84735

Ion Ratio Lower Upper

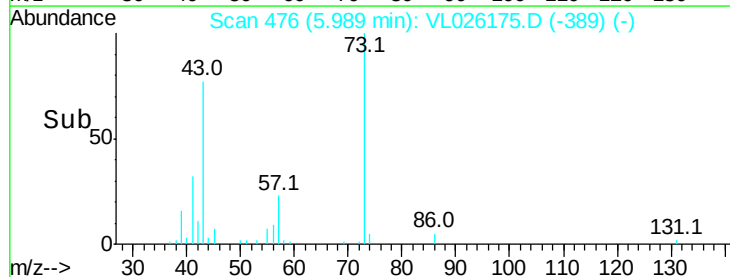
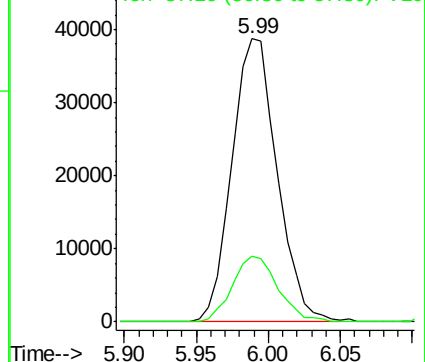
73 100

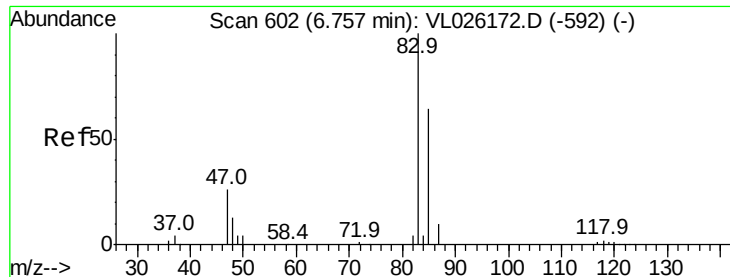
57 23.5 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.52 ppbv

RT: 6.76 min Scan# 602

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

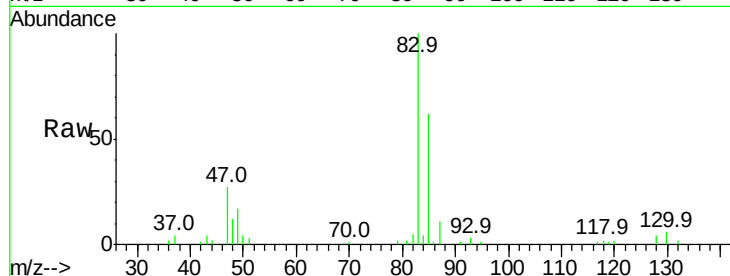
VSTDIC0.5

Tgt Ion: 83 Resp: 84824

Ion Ratio Lower Upper

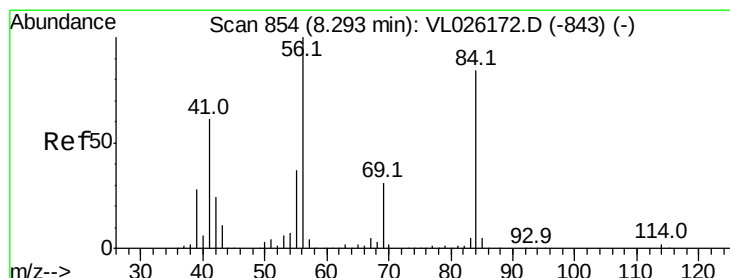
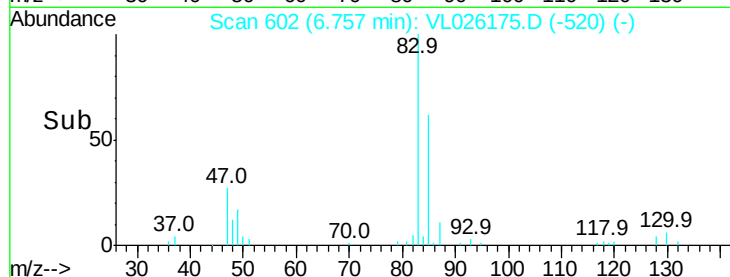
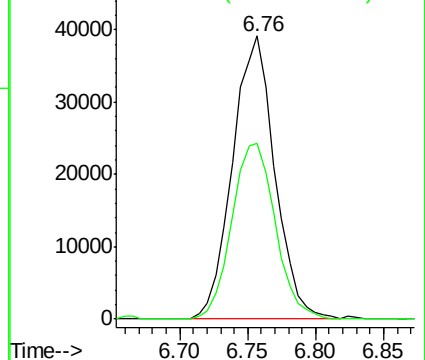
83 100

85 62.2 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.45 ppbv

RT: 8.30 min Scan# 855

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

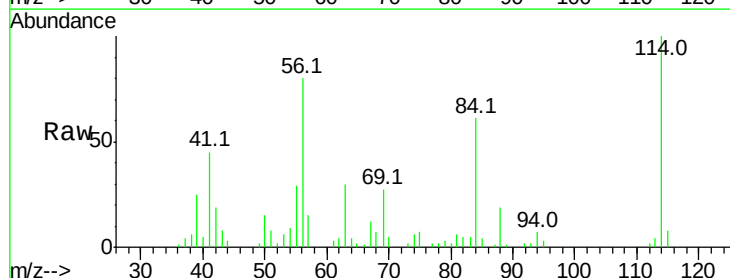
Tgt Ion: 84 Resp: 50123

Ion Ratio Lower Upper

84 100

56 222.4 99.8 149.8#

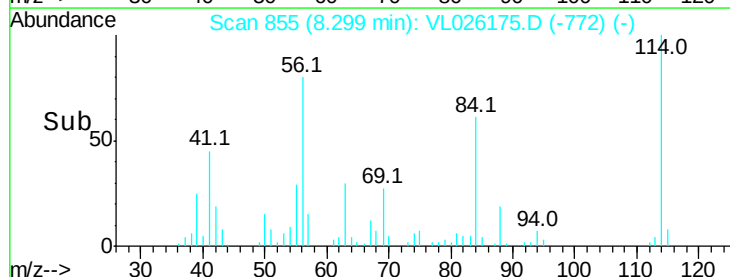
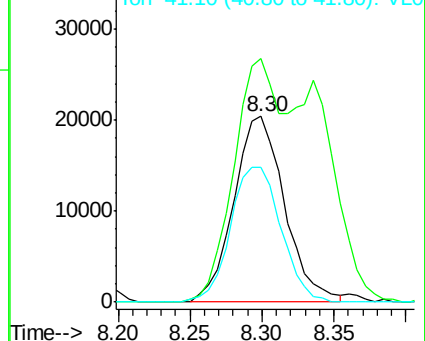
41 72.2 58.1 87.1

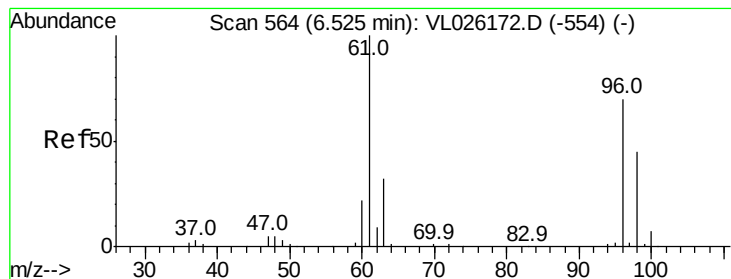


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.45 ppbv

RT: 6.53 min Scan# 564

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

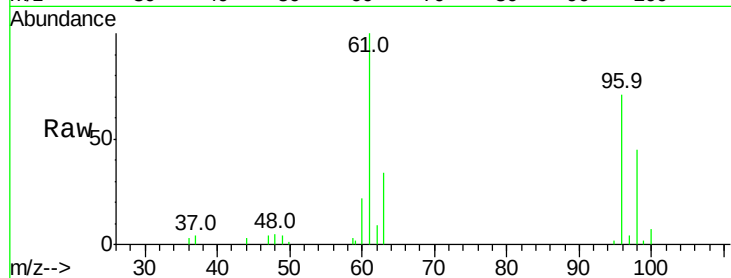
Tgt Ion: 61 Resp: 48289

Ion Ratio Lower Upper

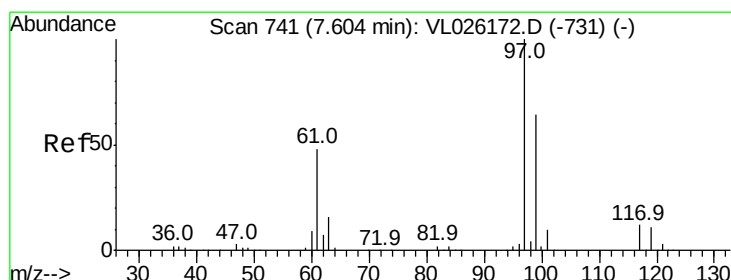
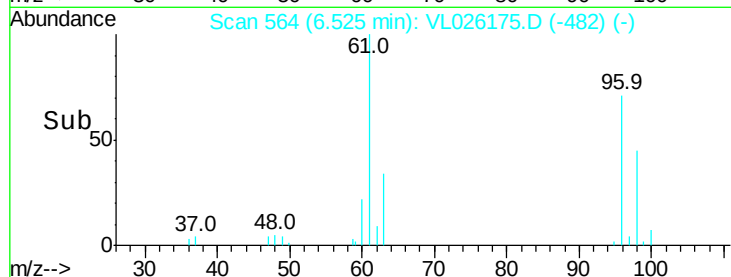
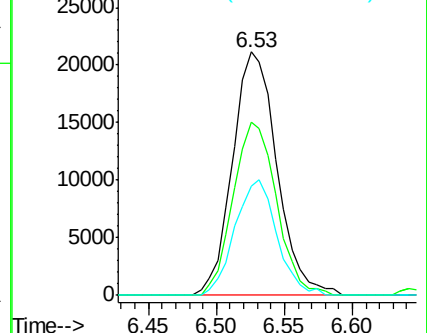
61 100

96 71.2 55.8 83.8

98 45.1 35.8 53.6



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: 0.48 ppbv

RT: 7.60 min Scan# 741

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

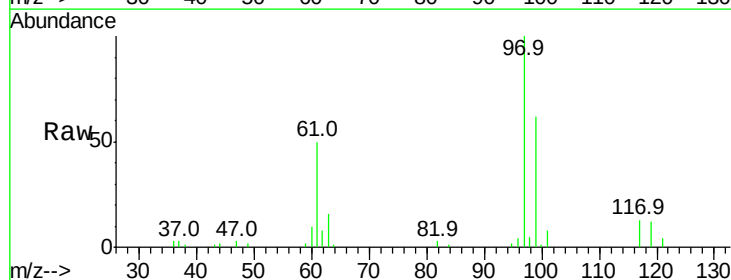
Tgt Ion: 97 Resp: 79207

Ion Ratio Lower Upper

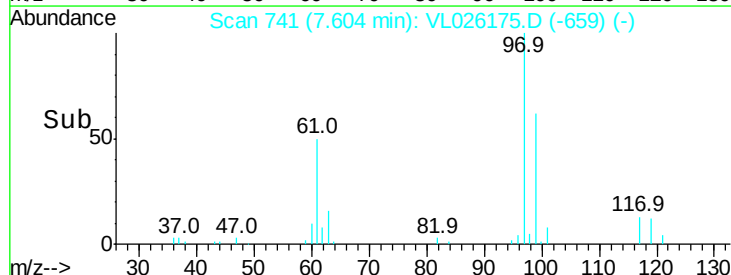
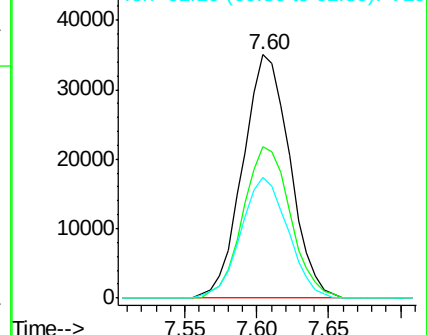
97 100

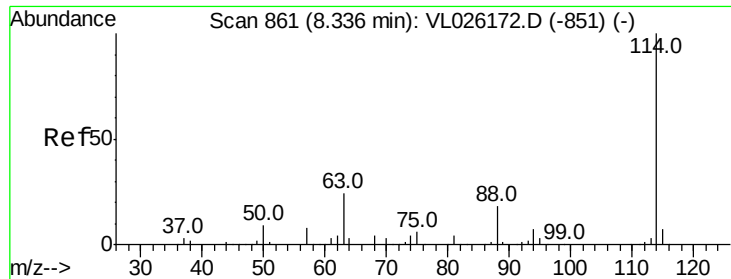
99 62.8 51.3 76.9

61 49.7 38.7 58.1



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

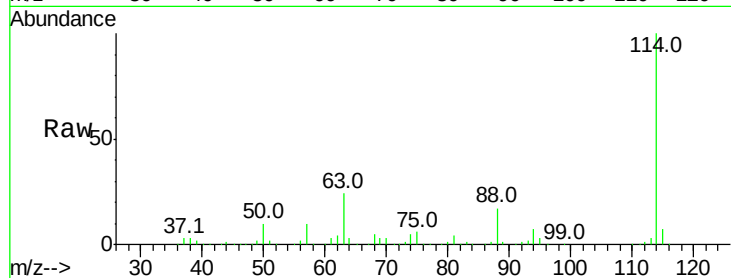




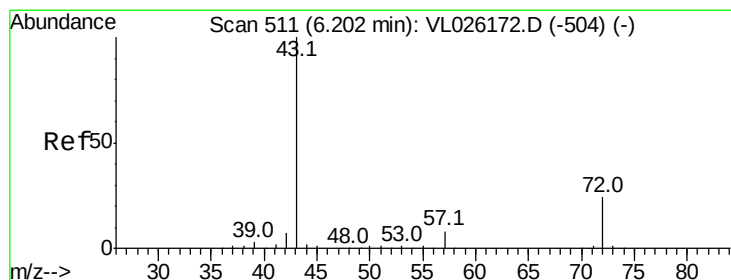
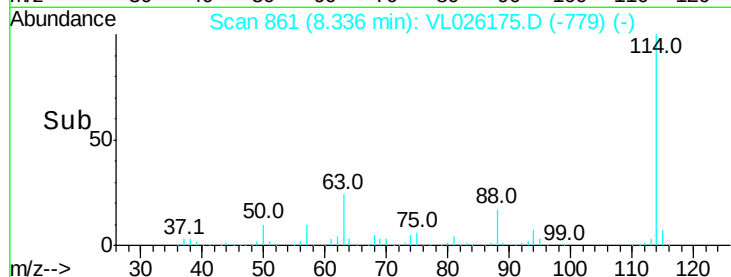
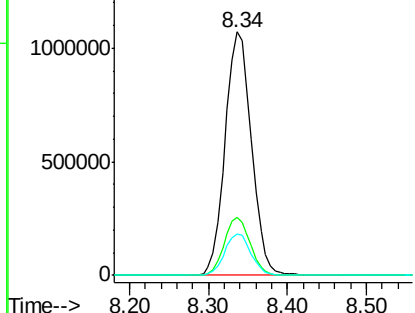
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:114 Resp: 2490699
 Ion Ratio Lower Upper
 114 100
 63 23.5 19.0 28.6
 88 17.1 13.8 20.8

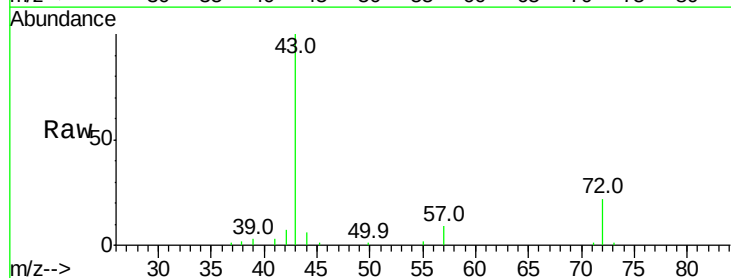


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

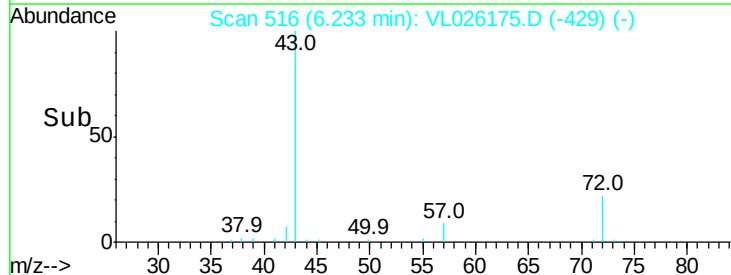
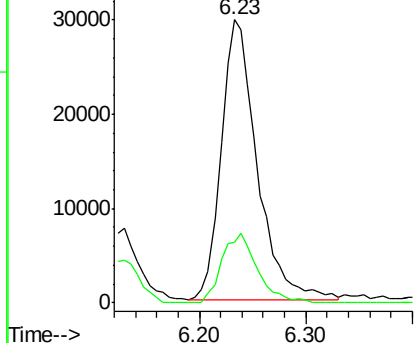


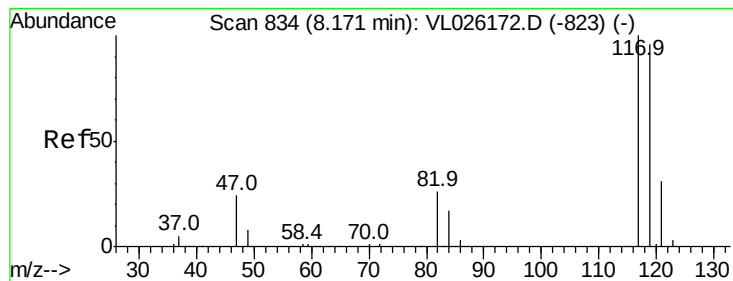
#34
 2-Butanone
 Concen: 0.43 ppbv
 RT: 6.23 min Scan# 516
 Delta R.T. 0.03 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion: 43 Resp: 69287
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.6 29.4



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





#35

Carbon Tetrachloride

Concen: 0.46 ppbv

RT: 8.17 min Scan# 834

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

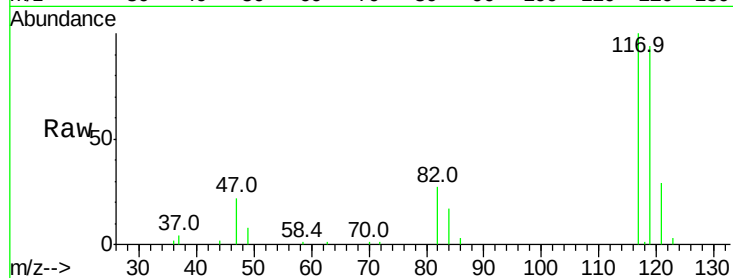
Tgt Ion:117 Resp: 77496

Ion Ratio Lower Upper

117 100

119 93.6 76.6 115.0

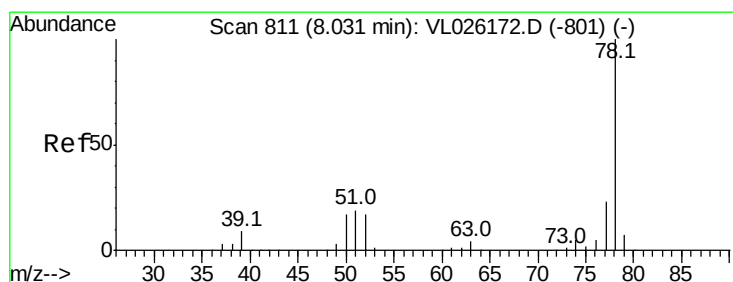
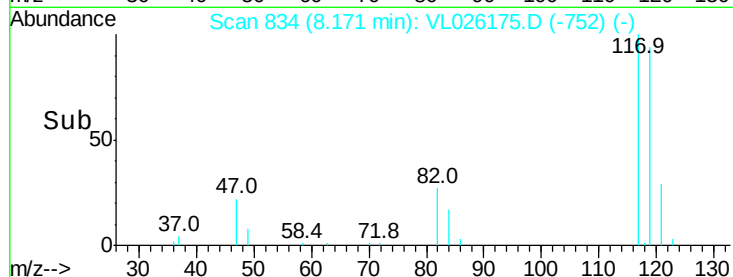
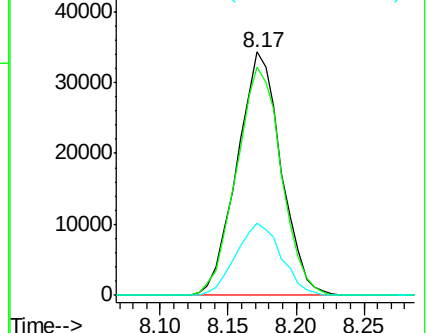
121 29.4 25.0 37.4



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: 0.46 ppbv

RT: 8.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

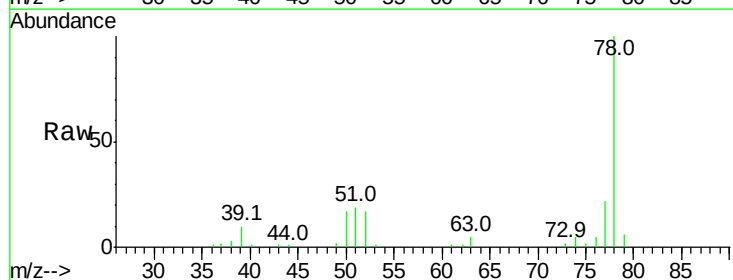
Tgt Ion: 78 Resp: 120808

Ion Ratio Lower Upper

78 100

77 22.2 18.2 27.4

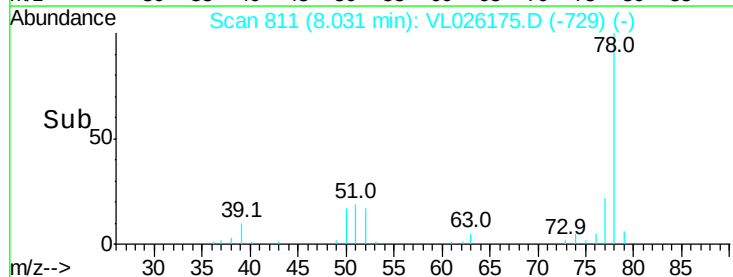
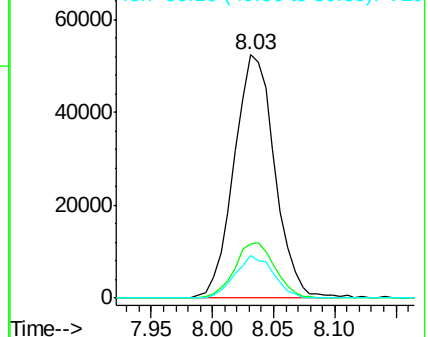
50 17.5 13.4 20.2

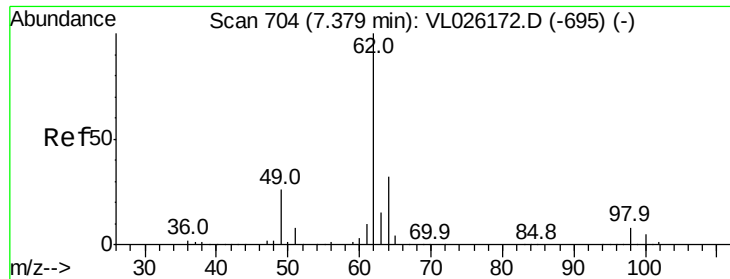


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

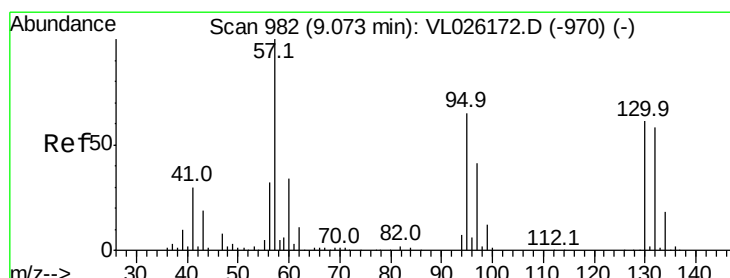
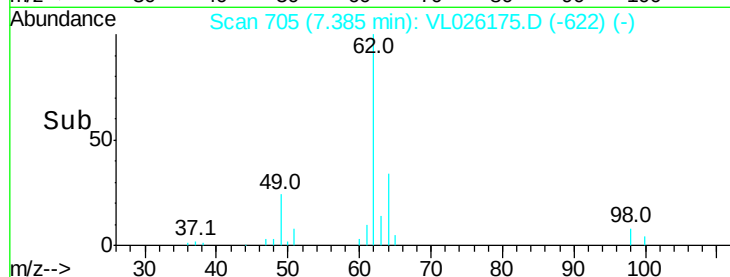
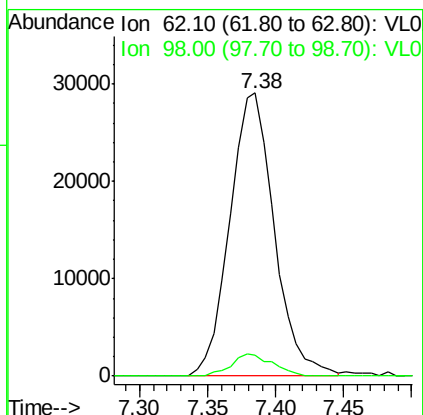
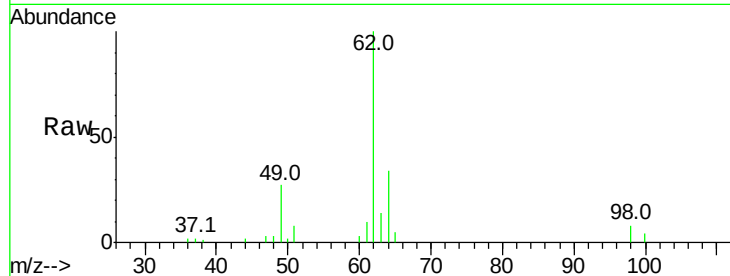




#37
 1,2-Dichloroethane
 Concen: 0.50 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

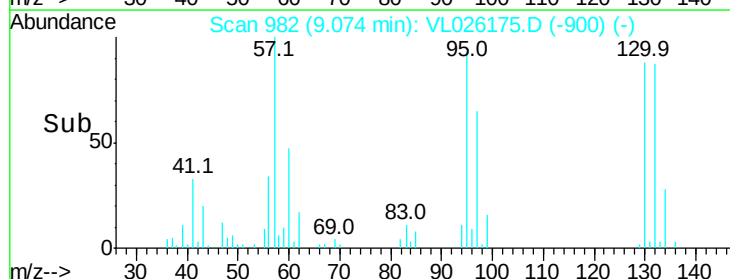
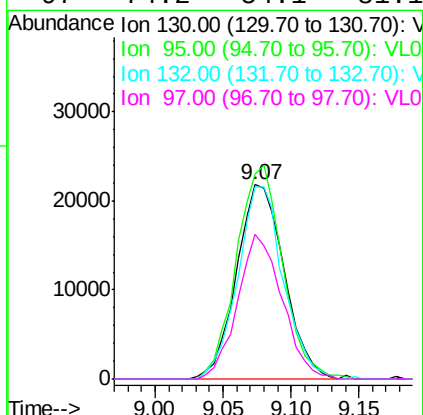
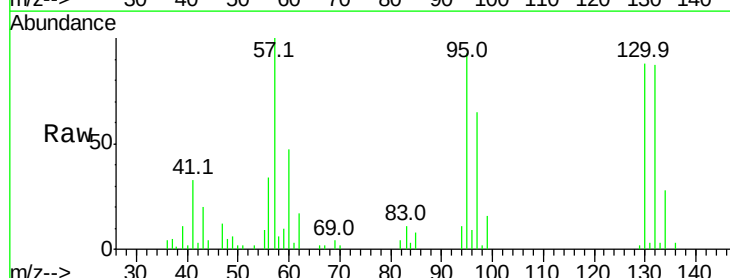
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

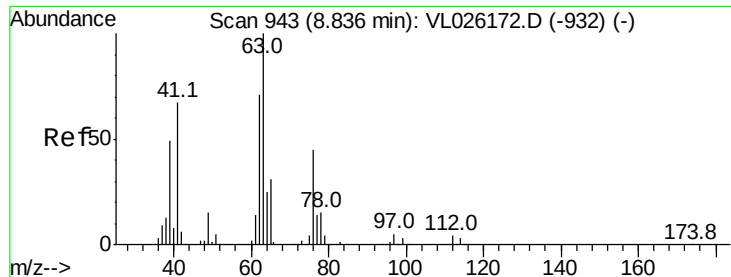
Tgt Ion: 62 Resp: 66348
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.2 9.2



#38
 Trichloroethene
 Concen: 0.46 ppbv
 RT: 9.07 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion:130 Resp: 53454
 Ion Ratio Lower Upper
 130 100
 95 105.7 84.9 127.3
 132 98.8 76.8 115.2
 97 74.2 54.1 81.1





#39

1,2-Dichloropropane

Concen: 0.48 ppbv

RT: 8.84 min Scan# 944

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

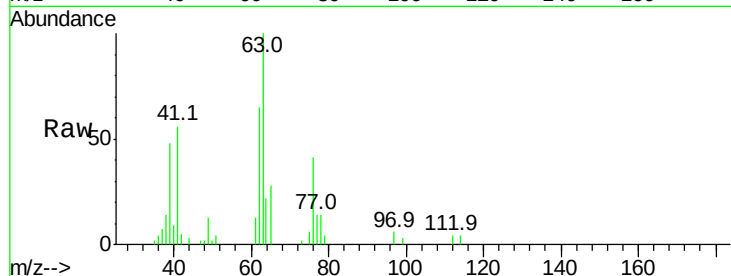
Tgt Ion: 63 Resp: 46971

Ion Ratio Lower Upper

63 100

41 54.6 53.9 80.9

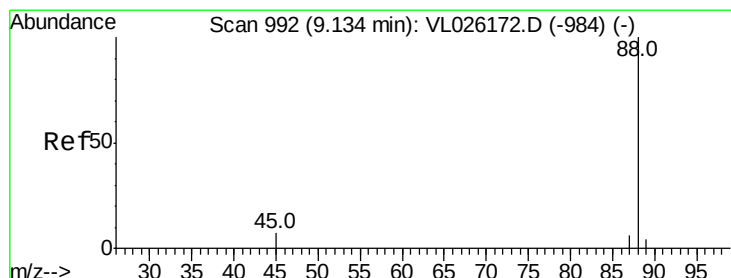
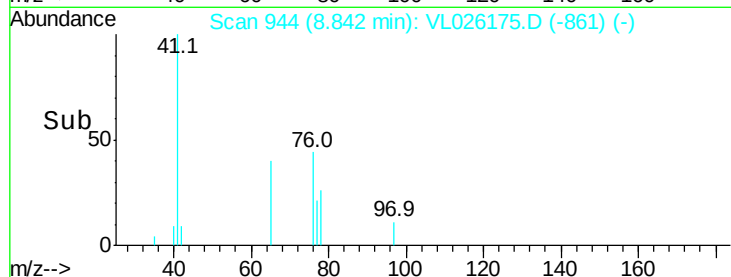
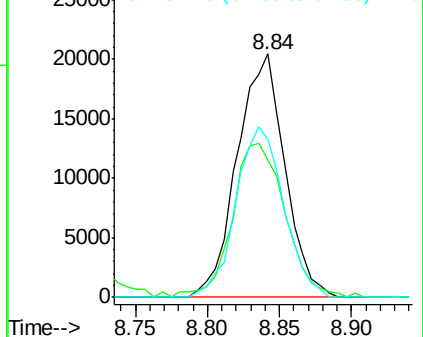
62 64.6 57.1 85.7



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: 0.16 ppbv

RT: 9.22 min Scan# 1006

Delta R.T. 0.09 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion: 88 Resp: 2270

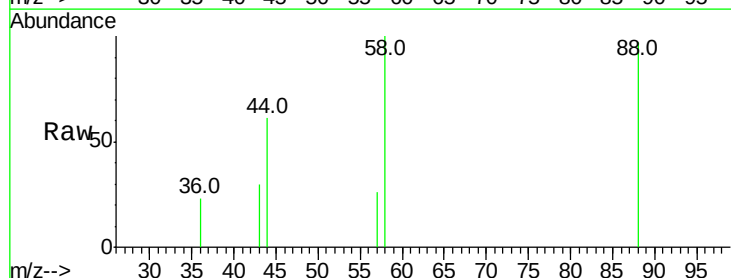
Ion Ratio Lower Upper

88 100

58 267.4 178.4 267.6

43 0.0 510.2 765.4#

57 0.0 2564.2 3846.4#

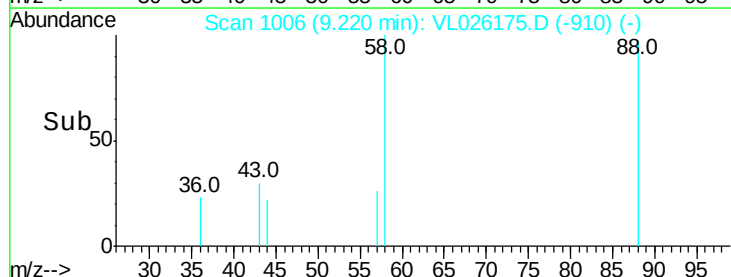
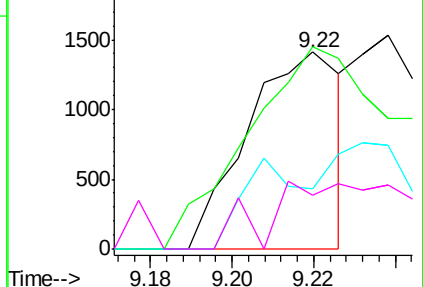


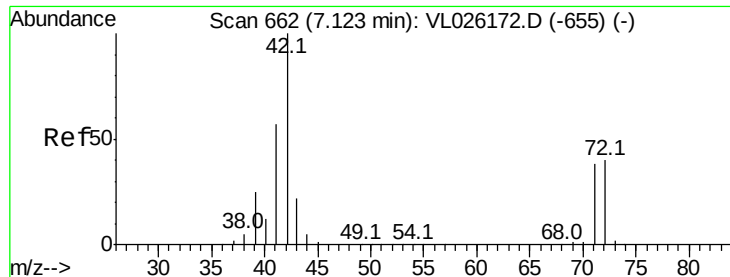
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.37 ppbv

RT: 7.18 min Scan# 671

Delta R.T. 0.05 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

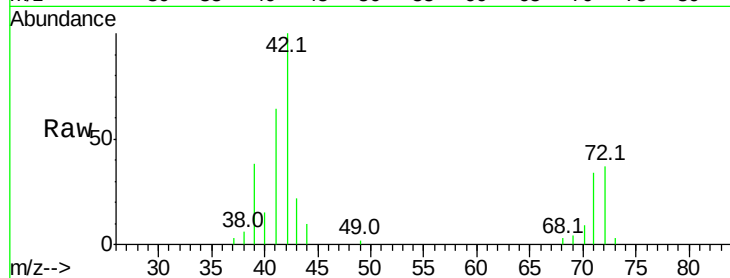
Tgt Ion: 42 Resp: 35087

Ion Ratio Lower Upper

42 100

72 38.8 32.4 48.6

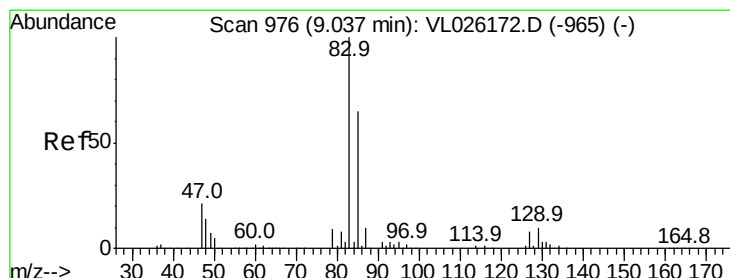
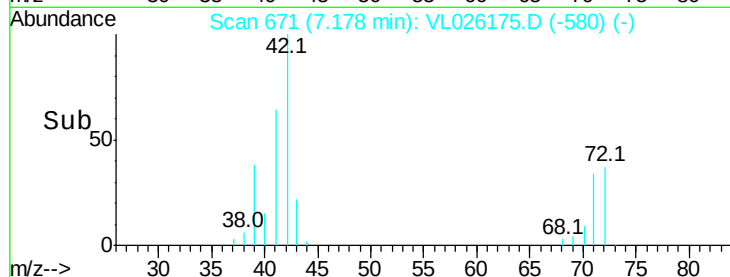
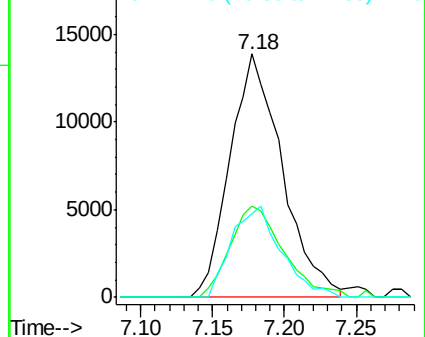
71 35.6 30.2 45.4



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: 0.47 ppbv

RT: 9.04 min Scan# 976

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

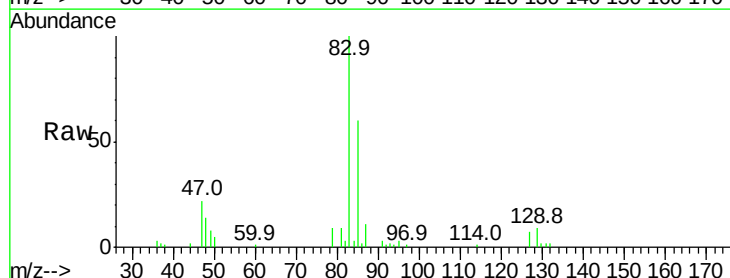
Tgt Ion: 83 Resp: 81812

Ion Ratio Lower Upper

83 100

85 60.3 51.9 77.9

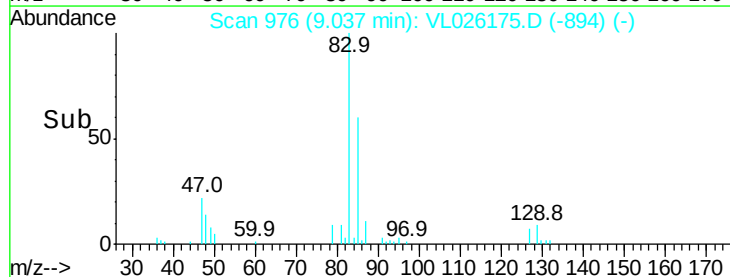
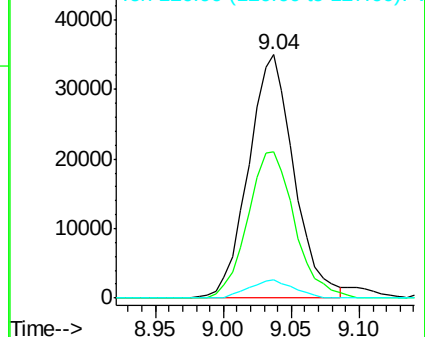
127 7.3 6.2 9.4

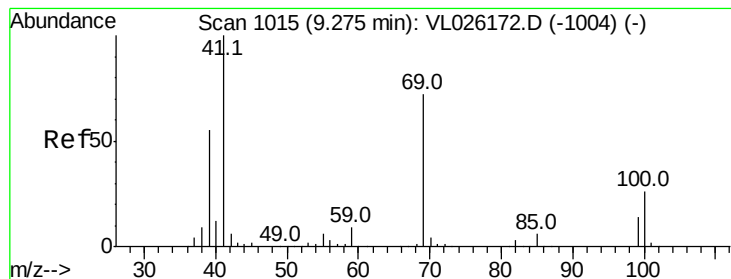


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.39 ppbv

RT: 9.29 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

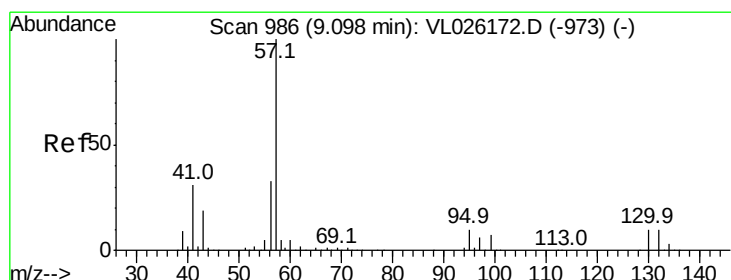
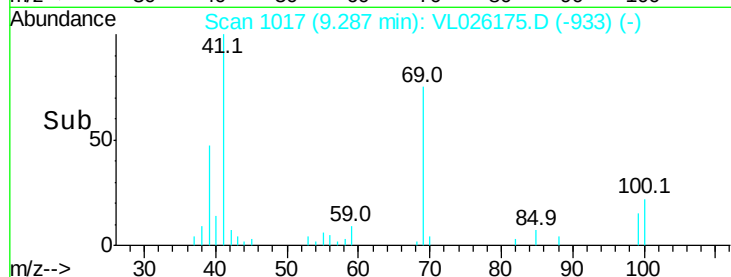
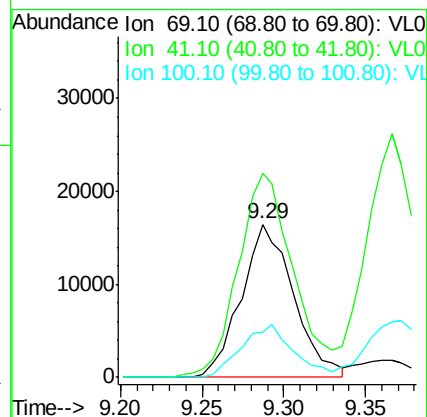
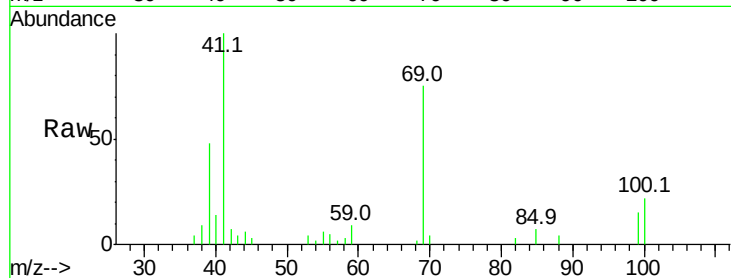
Tgt Ion: 69 Resp: 36932

Ion Ratio Lower Upper

69 100

41 136.5 111.5 167.3

100 33.8 28.4 42.6



#44

2,2,4-Trimethylpentane

Concen: 0.46 ppbv

RT: 9.10 min Scan# 986

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

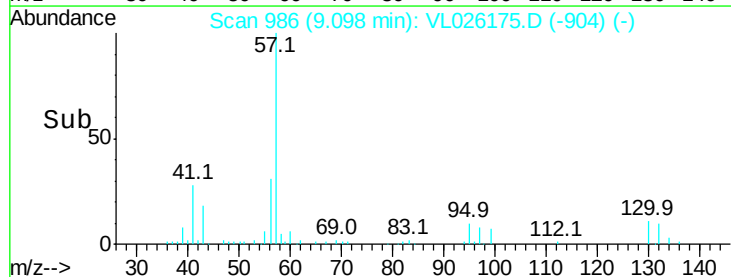
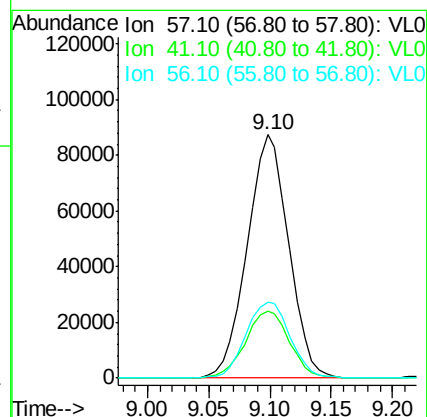
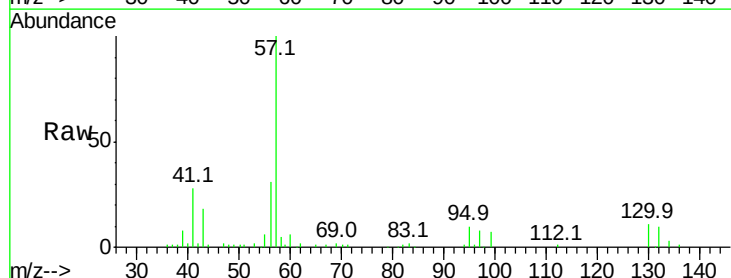
Tgt Ion: 57 Resp: 206470

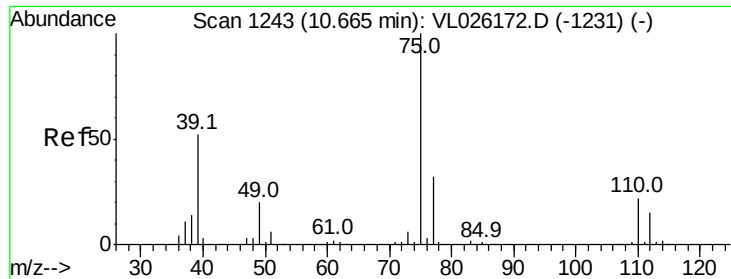
Ion Ratio Lower Upper

57 100

41 29.5 23.7 35.5

56 33.1 26.4 39.6





#45

t-1,3-Dichloropropene

Concen: 0.36 ppbv

RT: 10.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

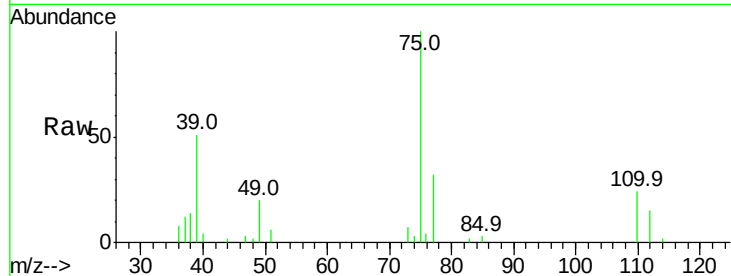
VSTDIC0.5

Tgt Ion: 75 Resp: 44123

Ion Ratio Lower Upper

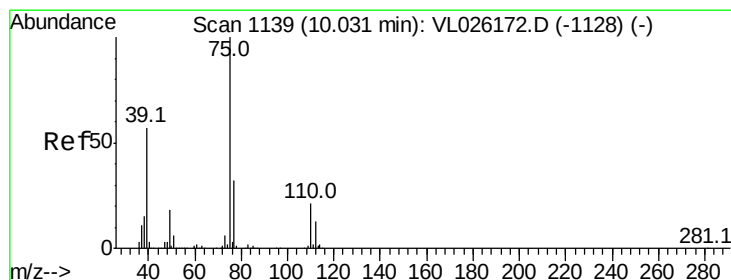
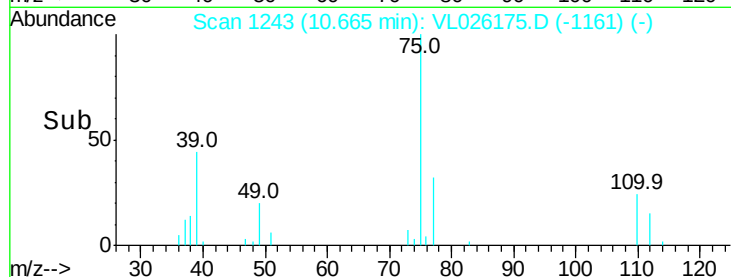
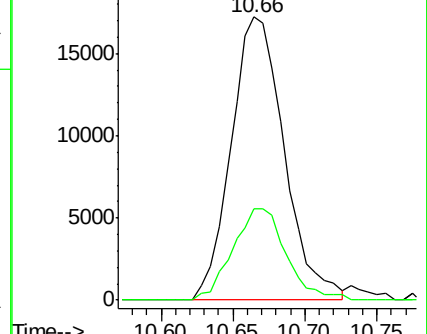
75 100

77 32.2 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: 0.39 ppbv

RT: 10.03 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

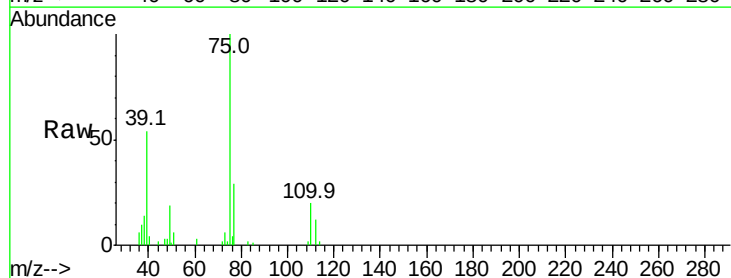
Tgt Ion: 75 Resp: 59192

Ion Ratio Lower Upper

75 100

39 54.1 45.4 68.2

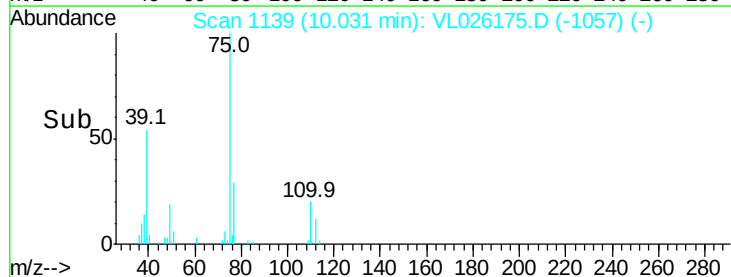
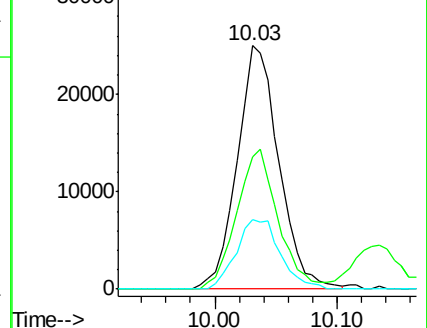
77 28.7 25.4 38.2

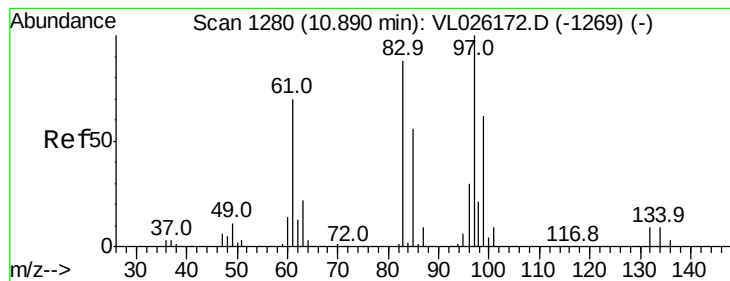


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.50 ppbv

RT: 10.89 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 55498

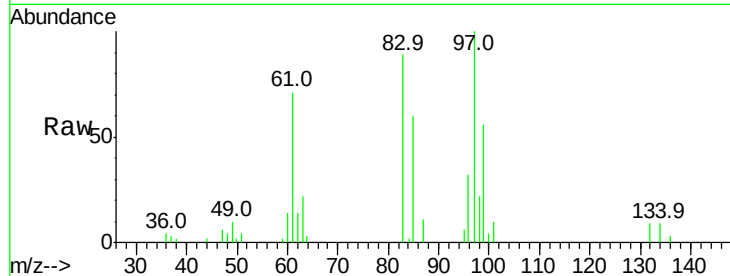
Ion Ratio Lower Upper

97 100

83 89.2 70.6 106.0

85 60.0 45.1 67.7

99 56.4 49.9 74.9

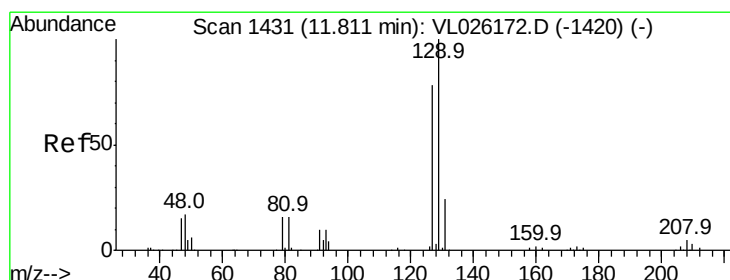
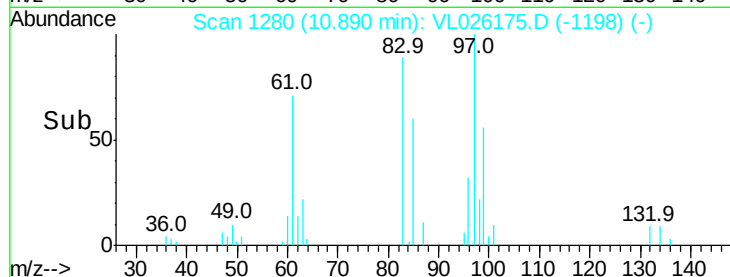
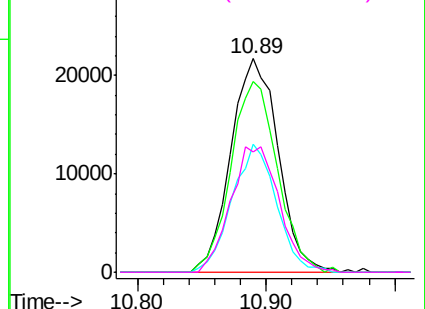


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.43 ppbv

RT: 11.81 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VL026175.D

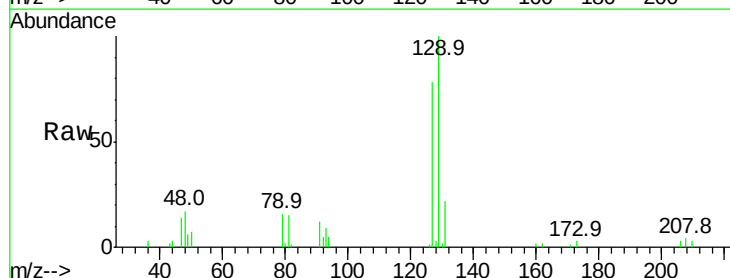
Acq: 9 Oct 2015 12:57

Tgt Ion: 129 Resp: 65085

Ion Ratio Lower Upper

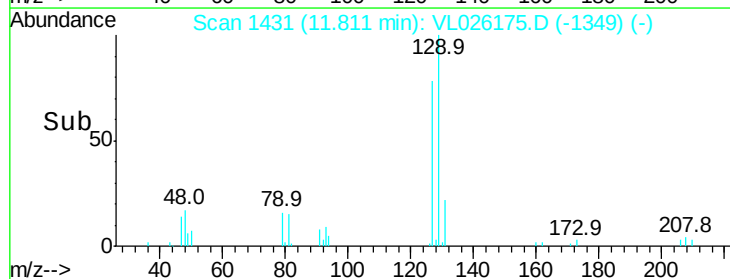
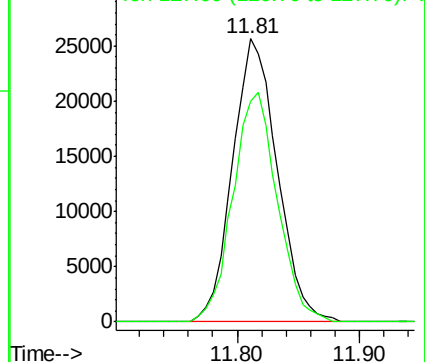
129 100

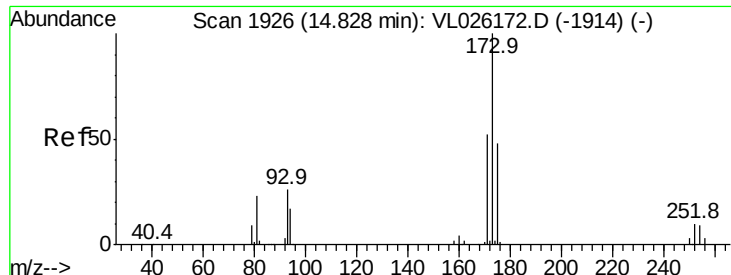
127 80.6 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.40 ppbv

RT: 14.83 min Scan# 1926

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

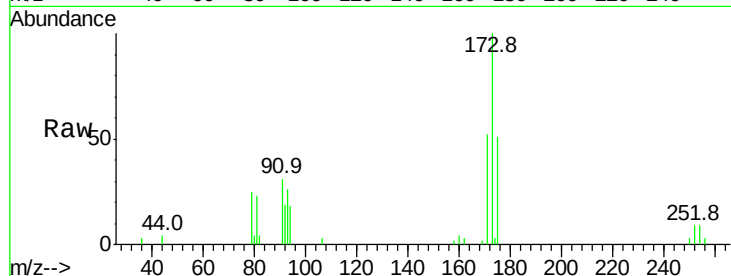
Tgt Ion:173 Resp: 45567

Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

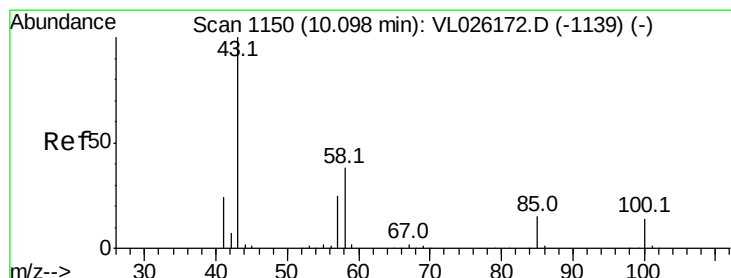
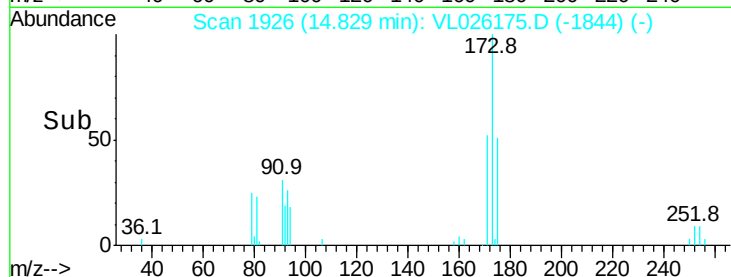
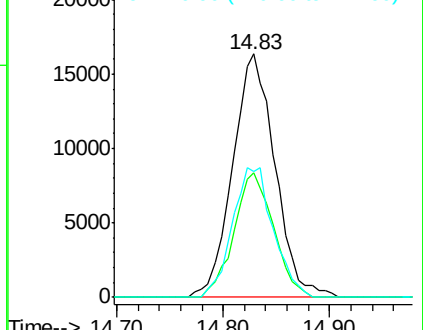
171 51.5 41.9 62.9



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: 0.38 ppbv

RT: 10.13 min Scan# 1155

Delta R.T. 0.03 min

Lab File: VL026175.D

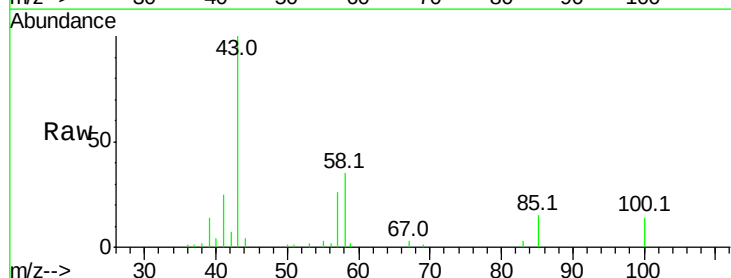
Acq: 9 Oct 2015 12:57

Tgt Ion: 43 Resp: 80665

Ion Ratio Lower Upper

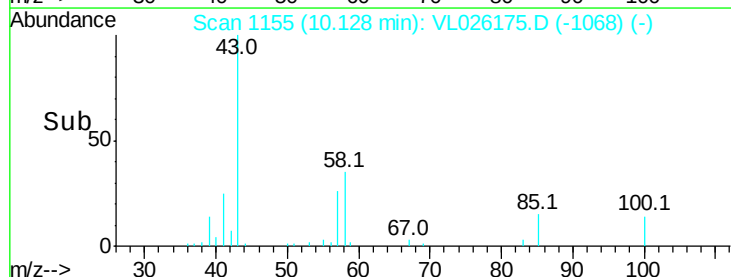
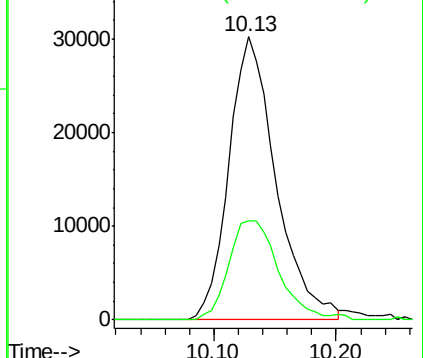
43 100

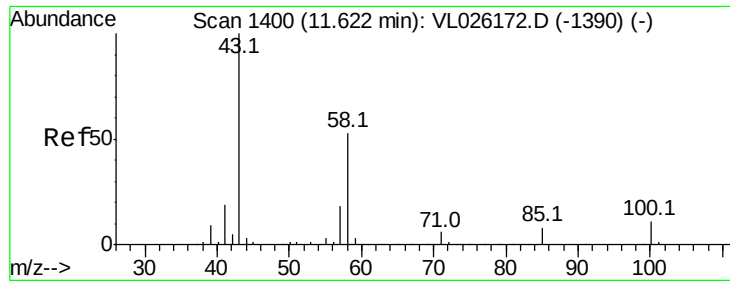
58 37.5 30.4 45.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.33 ppbv

RT: 11.67 min Scan# 1408

Delta R.T. 0.05 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

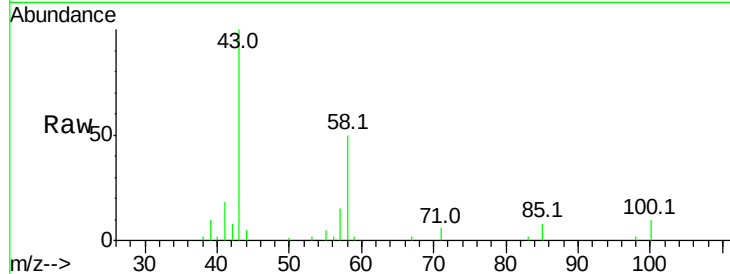
Tgt Ion: 43 Resp: 64477

Ion Ratio Lower Upper

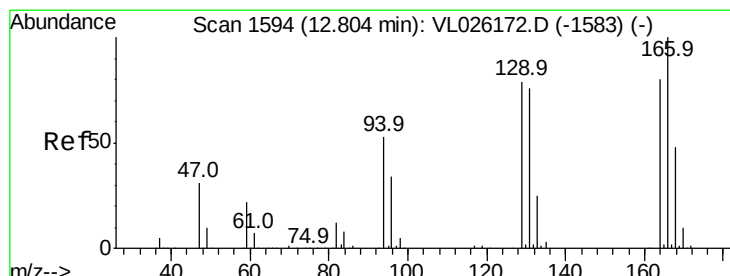
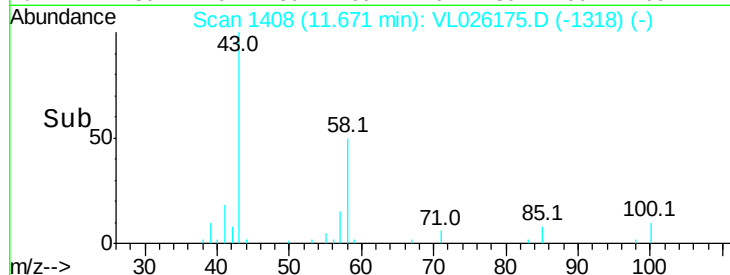
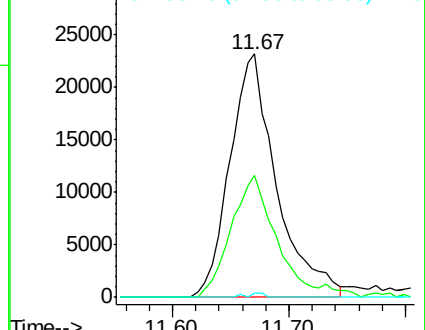
43 100

58 50.7 42.2 63.4

98 0.6 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: 0.46 ppbv

RT: 12.81 min Scan# 1595

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion: 164 Resp: 55351

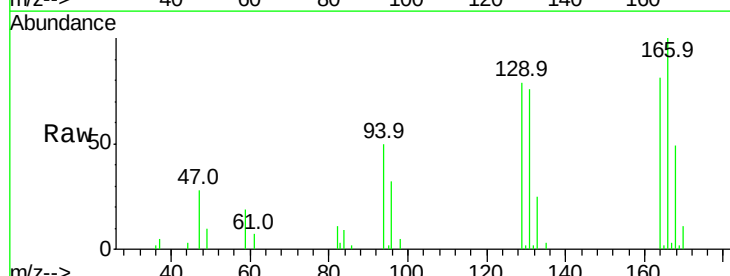
Ion Ratio Lower Upper

164 100

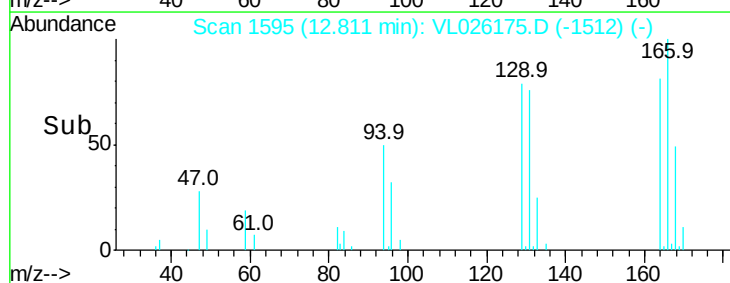
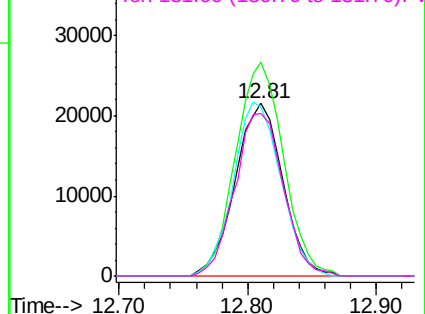
166 123.8 99.9 149.9

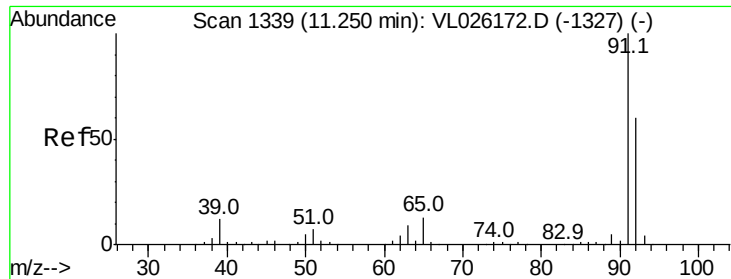
129 97.7 79.1 118.7

131 93.9 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: 0.44 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

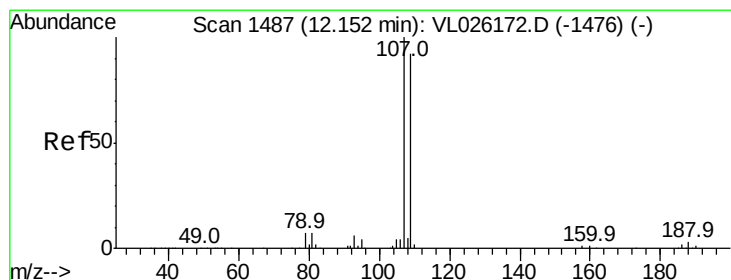
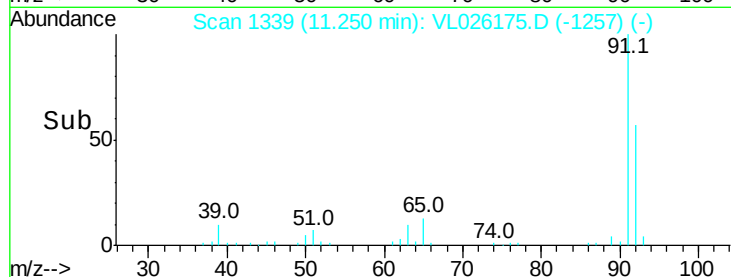
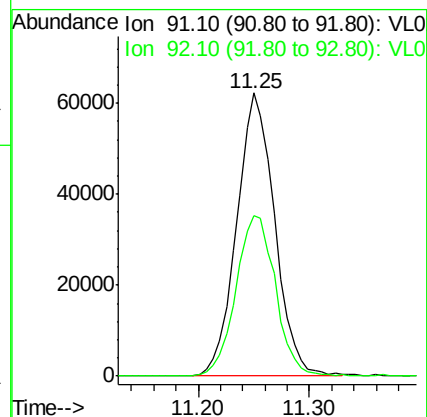
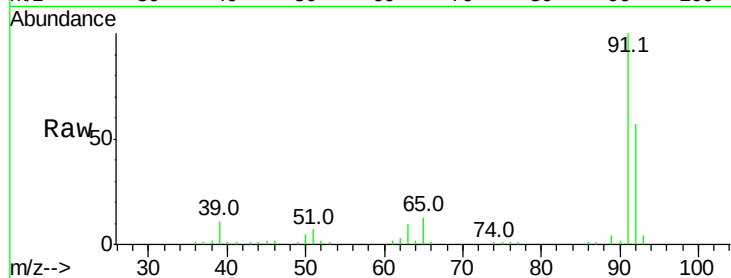
VSTDIC0.5

Tgt Ion: 91 Resp: 147638

Ion Ratio Lower Upper

91 100

92 58.6 48.5 72.7



#54

1,2-Dibromoethane

Concen: 0.48 ppbv

RT: 12.16 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VL026175.D

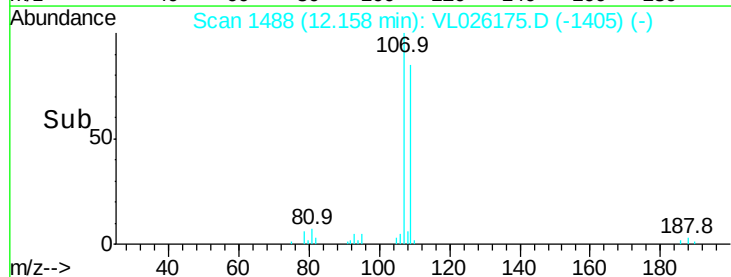
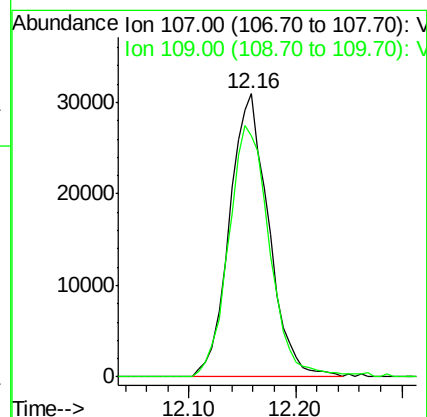
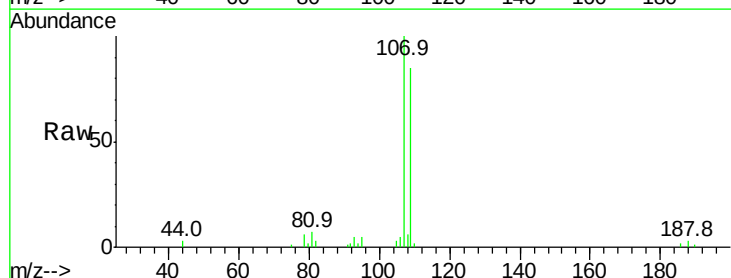
Acq: 9 Oct 2015 12:57

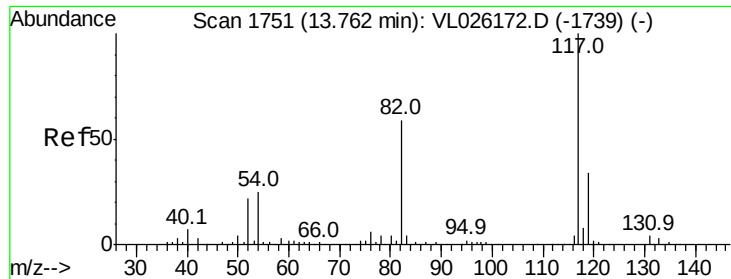
Tgt Ion: 107 Resp: 79468

Ion Ratio Lower Upper

107 100

109 85.3 73.2 109.8

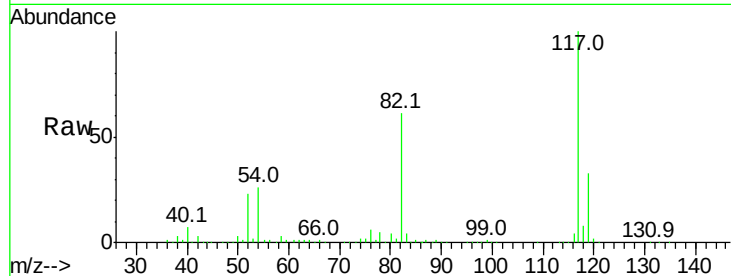




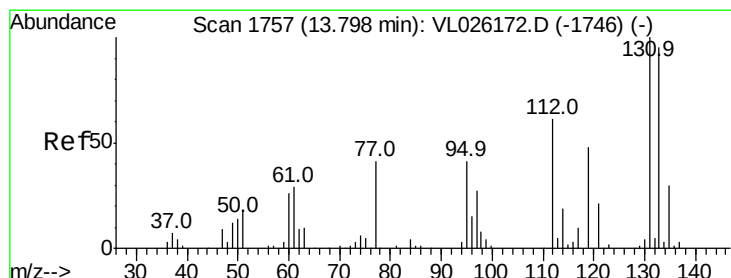
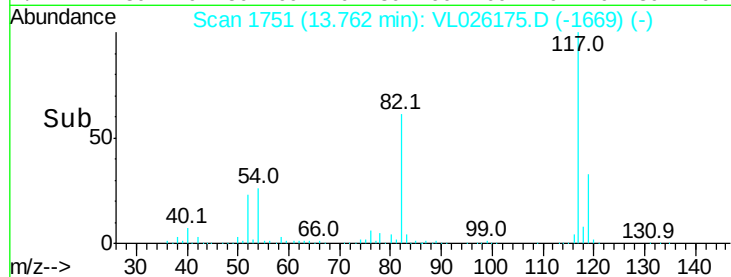
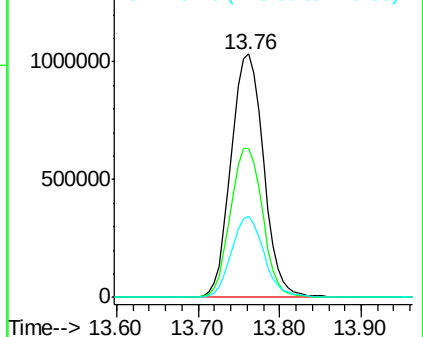
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 2865462
Ion Ratio Lower Upper
117 100
82 61.1 47.7 71.5
119 33.7 43.7 65.5#

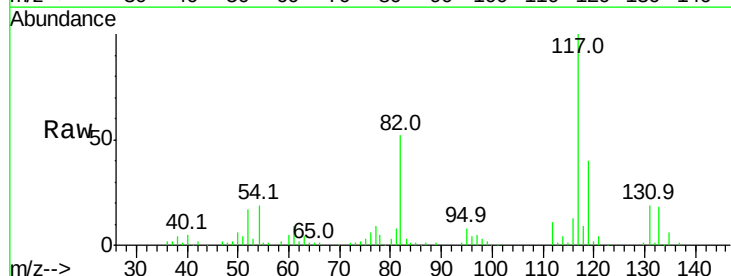


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

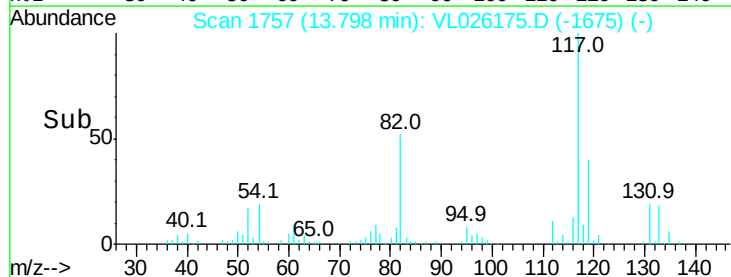
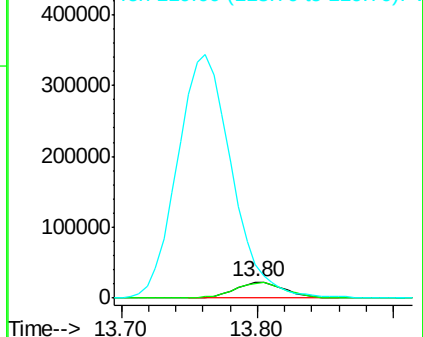


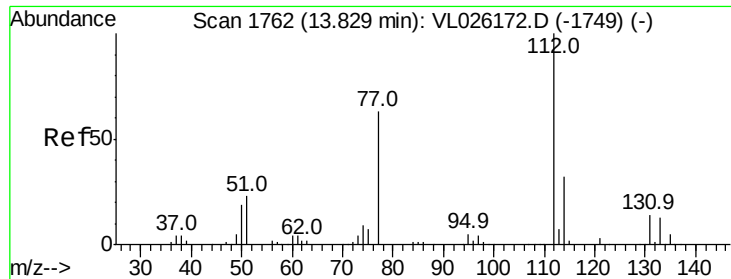
#56
1,1,1,2-Tetrachloroethane
Concen: 0.48 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion:131 Resp: 57483
Ion Ratio Lower Upper
131 100
133 98.1 76.5 114.7
119 1676.5 116.0 174.0#



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

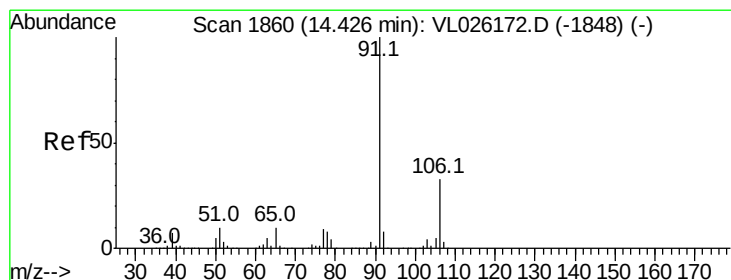
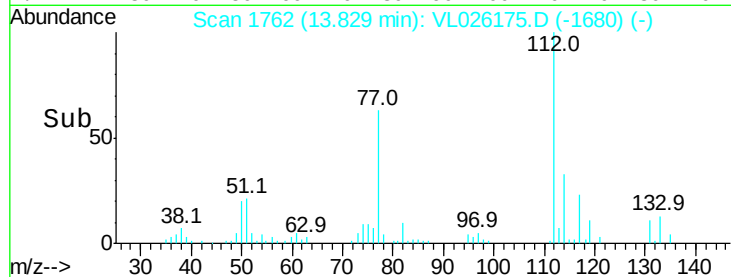
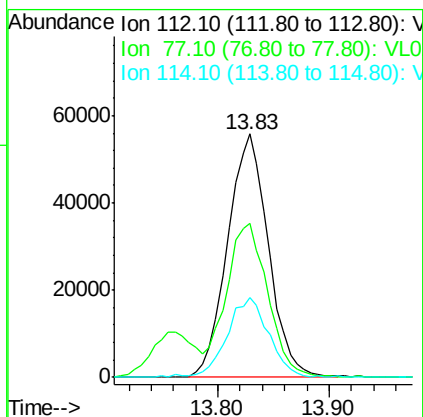
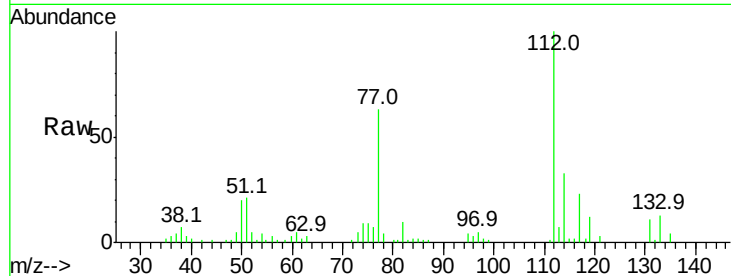




#57
Chlorobenzene
Concen: 0.50 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

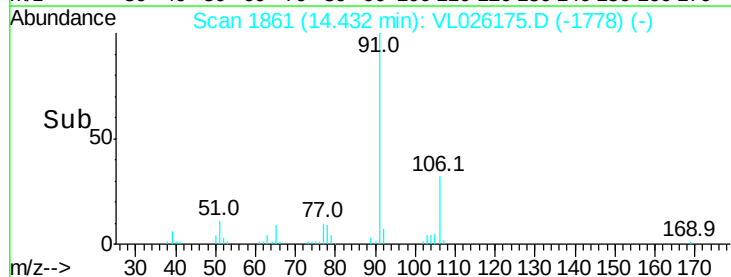
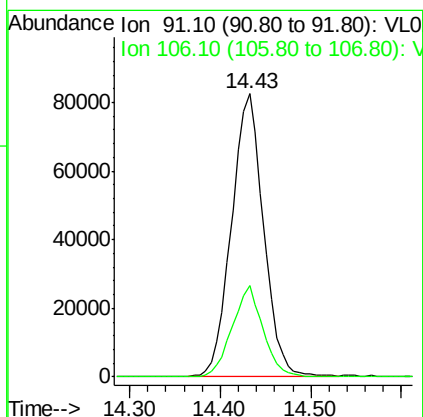
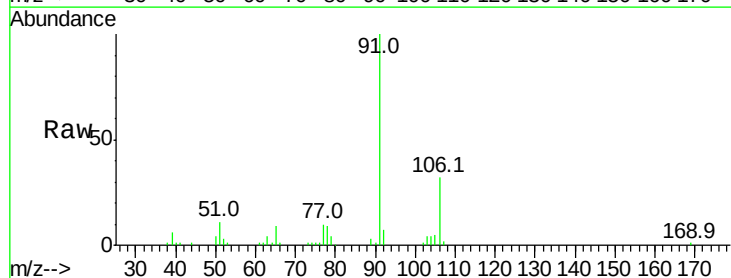
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

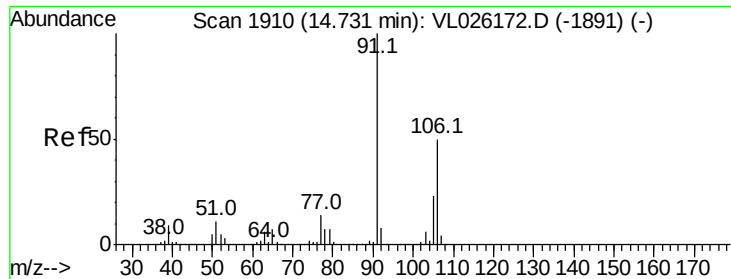
Tgt Ion: 112 Resp: 141818
Ion Ratio Lower Upper
112 100
77 63.1 51.0 76.4
114 32.1 29.0 35.4



#58
Ethyl Benzene
Concen: 0.43 ppbv
RT: 14.43 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion: 91 Resp: 202840
Ion Ratio Lower Upper
91 100
106 32.2 26.1 39.1

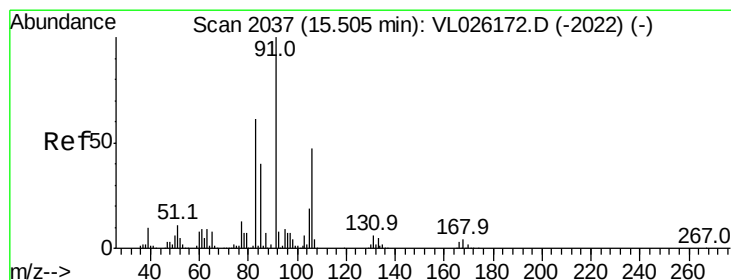
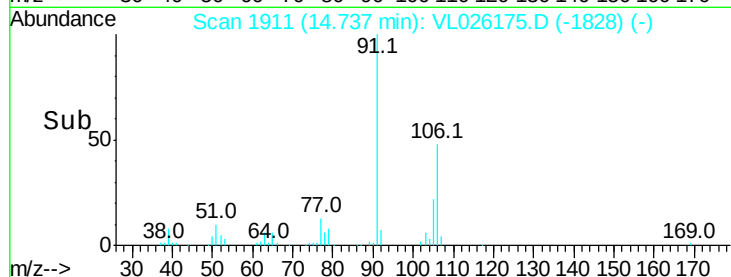
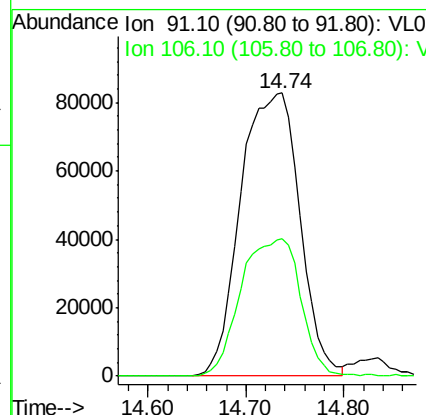
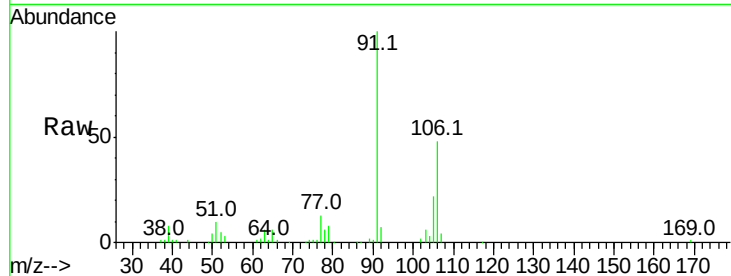




#59
m/p-Xylene
Concen: 0.93 ppbv
RT: 14.74 min Scan# 1911
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

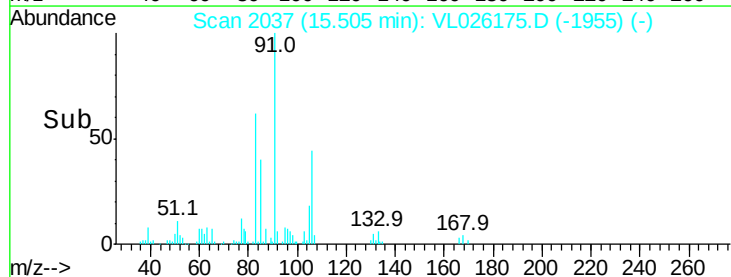
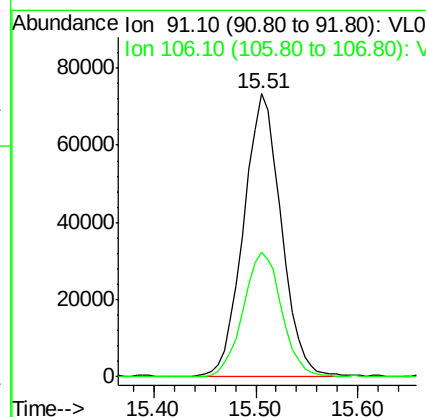
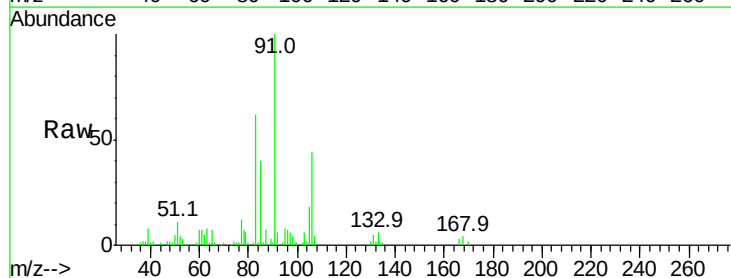
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

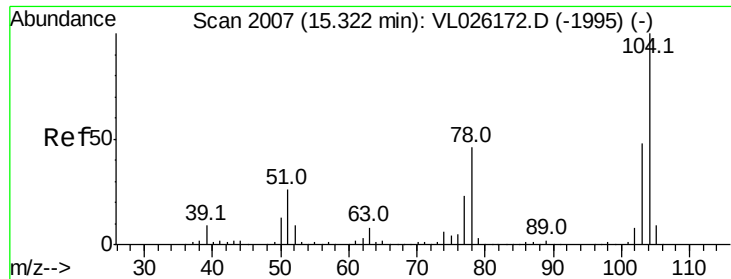
Tgt Ion: 91 Resp: 347618
Ion Ratio Lower Upper
91 100
106 48.9 40.2 60.4



#60
o-Xylene
Concen: 0.49 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion: 91 Resp: 188976
Ion Ratio Lower Upper
91 100
106 44.8 23.4 70.3





#61

Styrene

Concen: 0.35 ppbv

RT: 15.33 min Scan# 2008

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

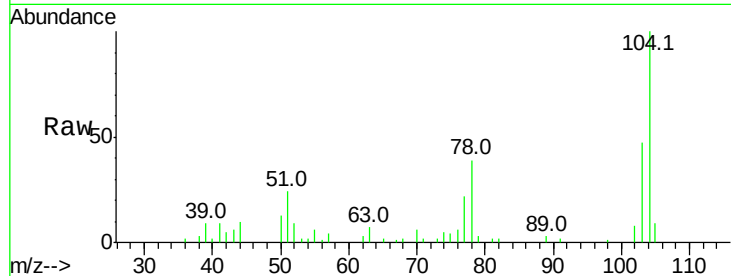
Tgt Ion:104 Resp: 57989

Ion Ratio Lower Upper

104 100

78 44.5 36.1 54.1

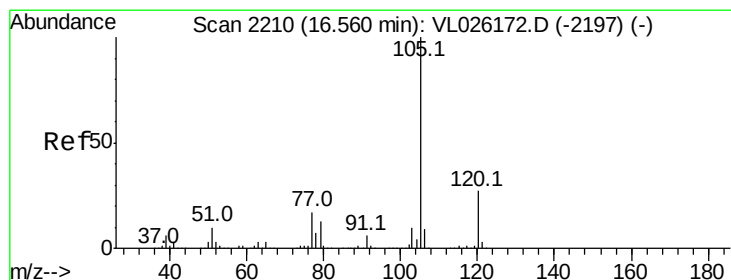
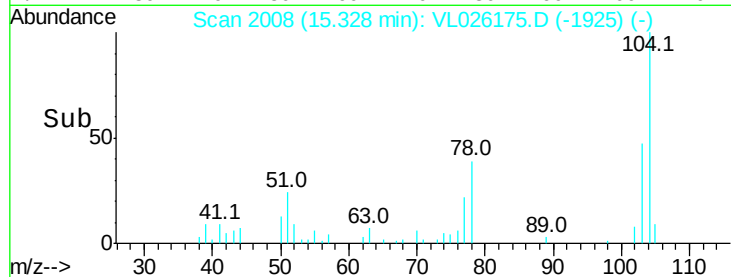
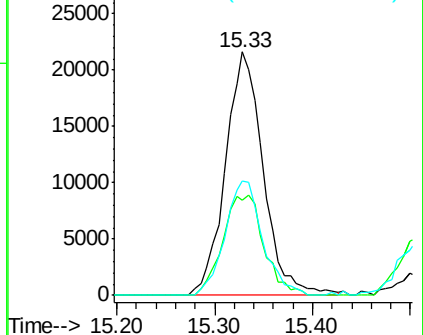
103 46.8 37.5 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.46 ppbv

RT: 16.56 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VL026175.D

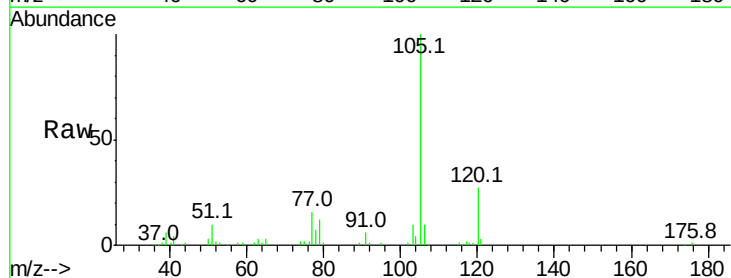
Acq: 9 Oct 2015 12:57

Tgt Ion:105 Resp: 235759

Ion Ratio Lower Upper

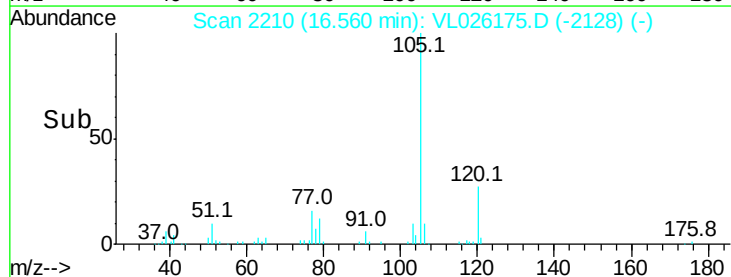
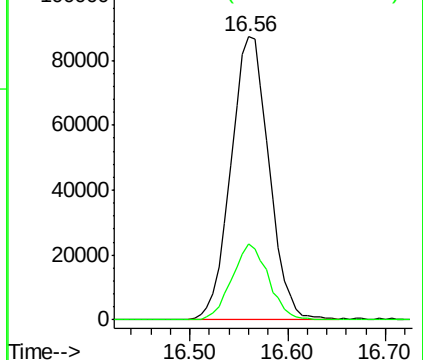
105 100

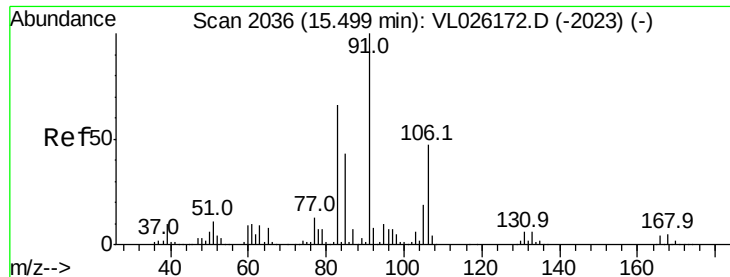
120 25.7 21.8 32.6



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: 0.45 ppbv

RT: 15.50 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

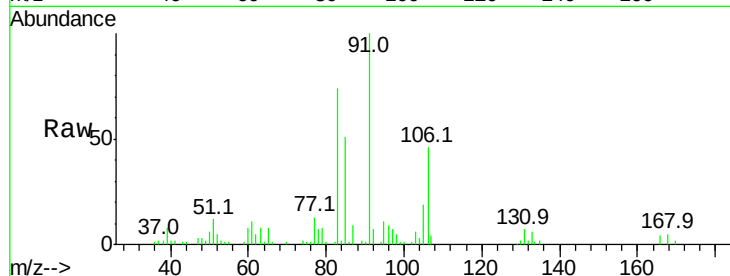
Tgt Ion: 83 Resp: 135226

Ion Ratio Lower Upper

83 100

131 8.5 4.5 13.7

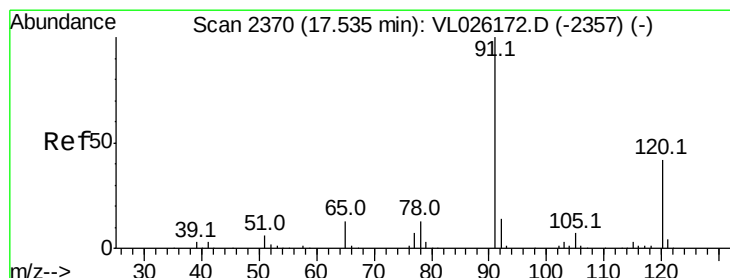
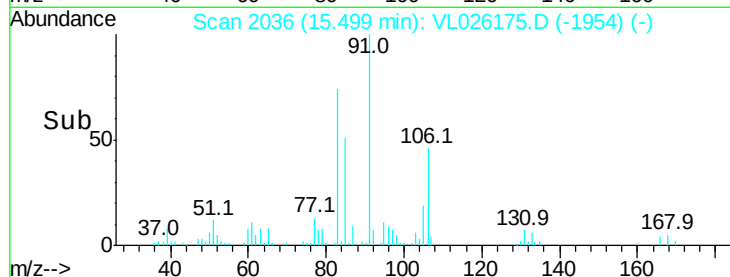
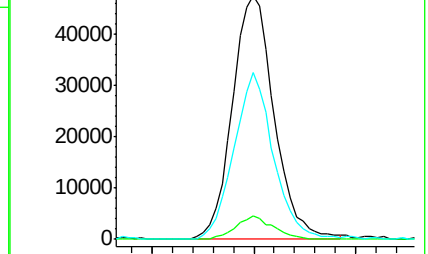
85 65.3 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.45 ppbv

RT: 17.54 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VL026175.D

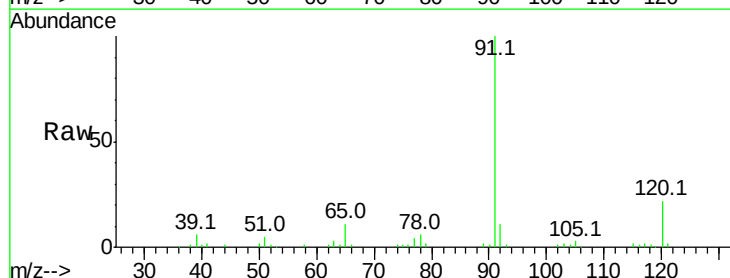
Acq: 9 Oct 2015 12:57

Tgt Ion: 120 Resp: 60782

Ion Ratio Lower Upper

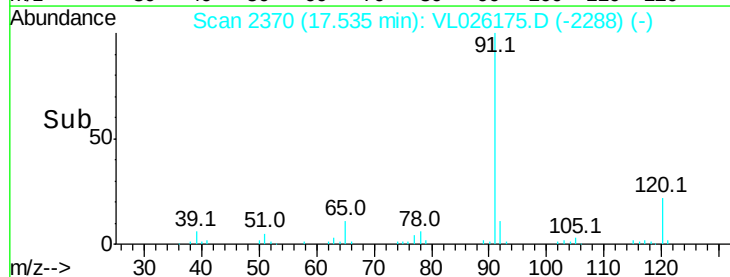
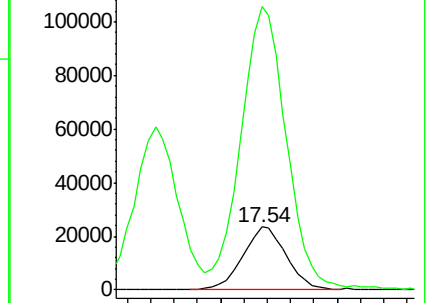
120 100

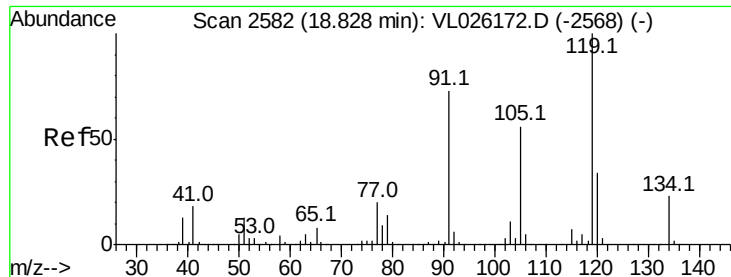
91 470.0 353.4 530.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

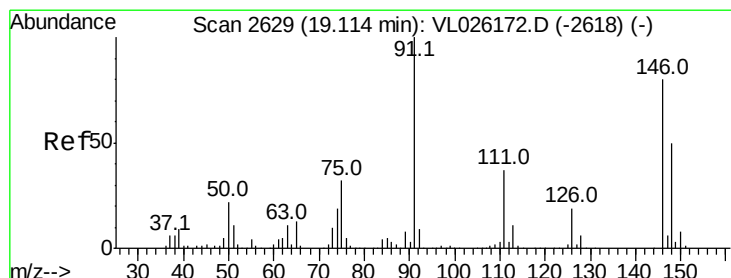
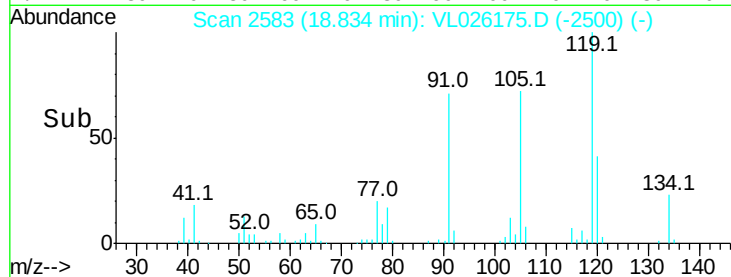
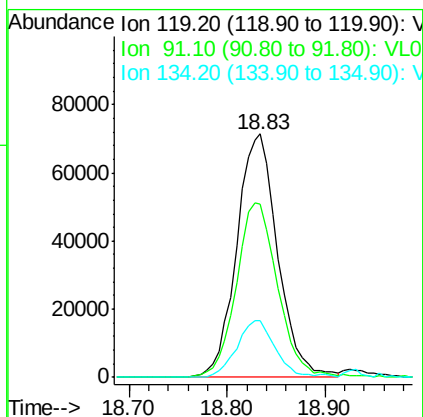
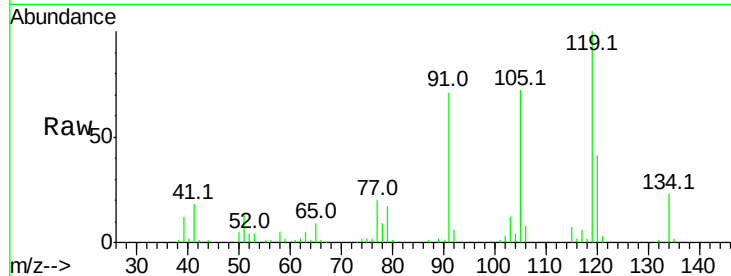




#65
 tert-Butylbenzene
 Concen: 0.46 ppbv
 RT: 18.83 min Scan# 2583
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

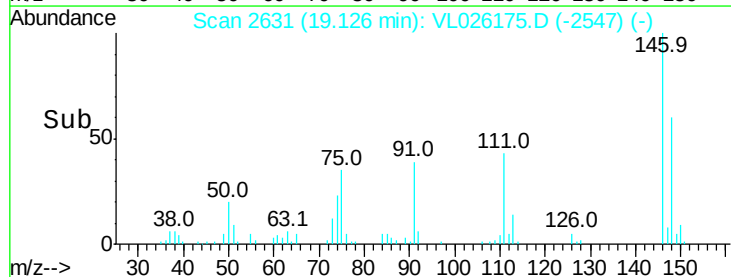
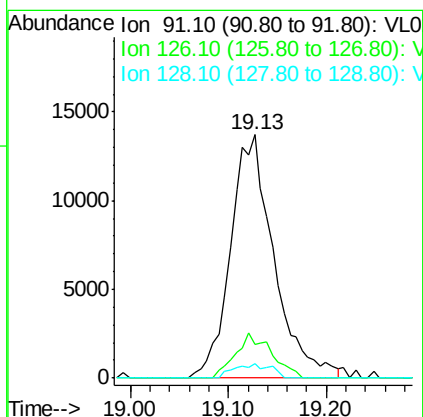
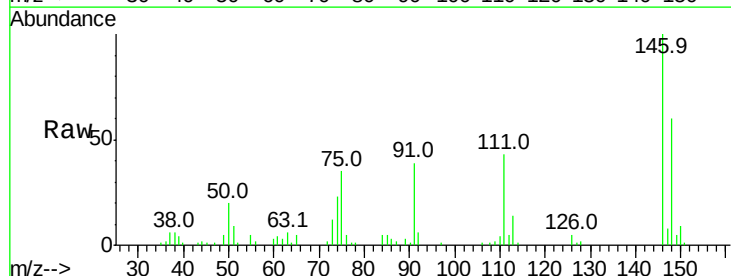
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

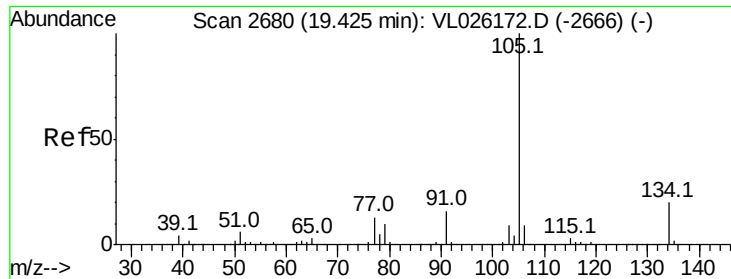
Tgt Ion: 119 Resp: 206892
 Ion Ratio Lower Upper
 119 100
 91 72.9 58.5 87.7
 134 22.0 18.0 27.0



#66
 Benzyl Chloride
 Concen: 0.35 ppbv
 RT: 19.13 min Scan# 2631
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion: 91 Resp: 42273
 Ion Ratio Lower Upper
 91 100
 126 15.3 15.2 22.8
 128 4.9 4.8 7.2

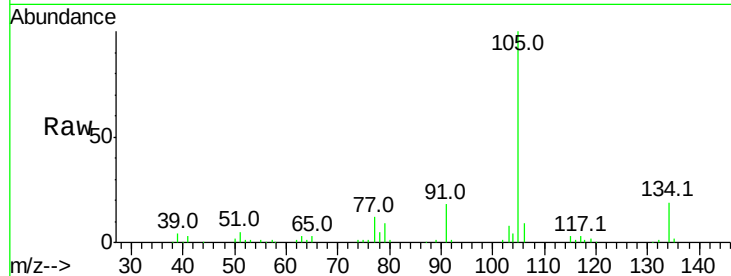




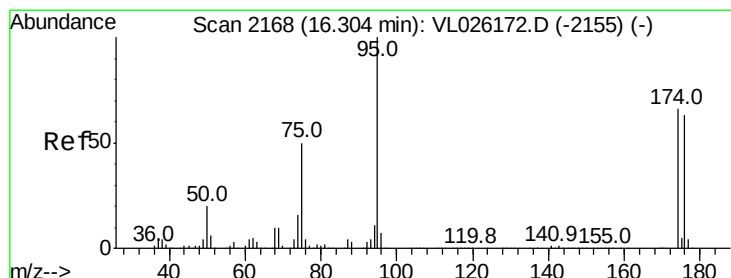
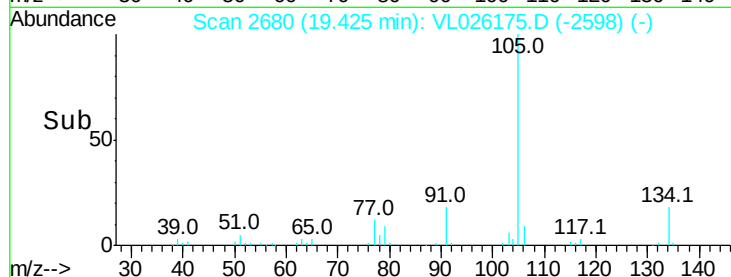
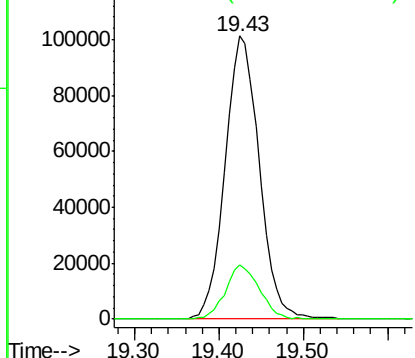
#67
 sec-Butylbenzene
 Concen: 0.44 ppbv
 RT: 19.43 min Scan# 2680
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 105 Resp: 279421
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.9 23.9

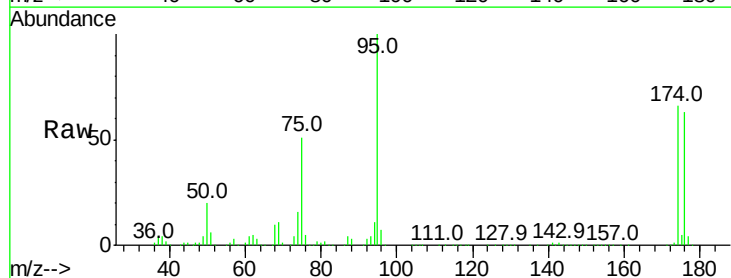


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 134.20 (133.90 to 134.90): V

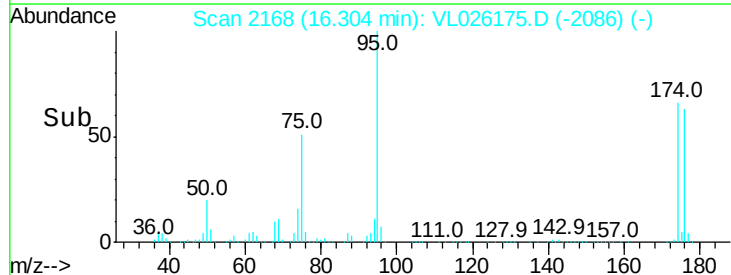
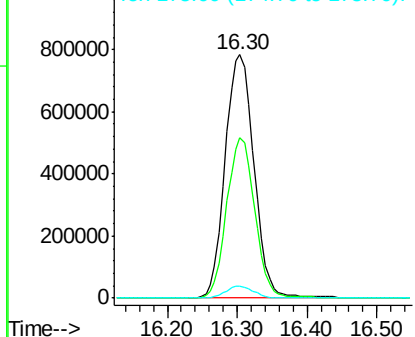


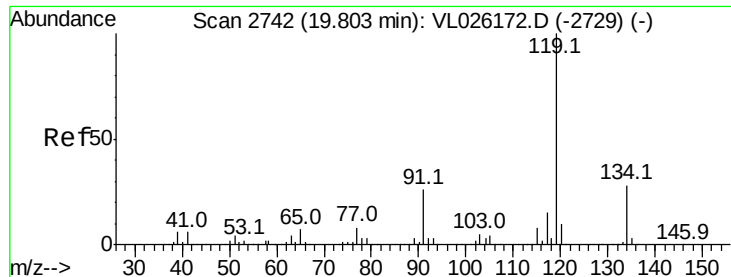
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.64 ppbv
 RT: 16.30 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion: 95 Resp: 2250293
 Ion Ratio Lower Upper
 95 100
 174 64.4 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: 0.41 ppbv

RT: 19.81 min Scan# 2743

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

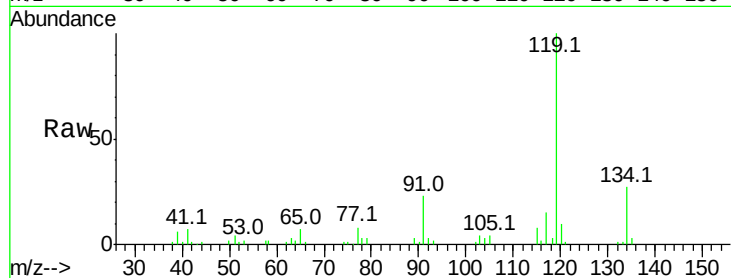
Tgt Ion: 119 Resp: 210169

Ion Ratio Lower Upper

119 100

134 26.6 21.4 32.0

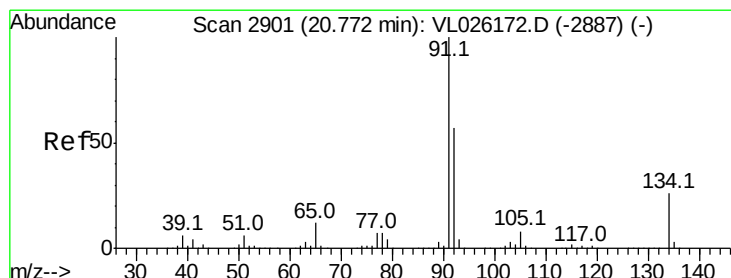
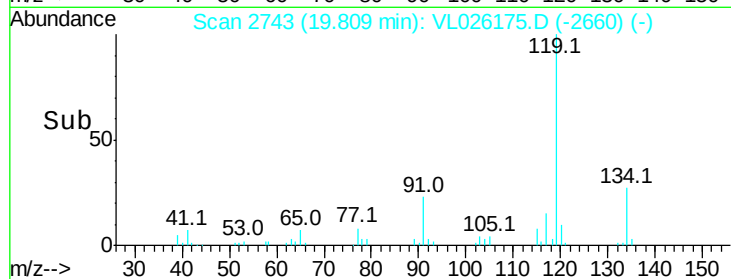
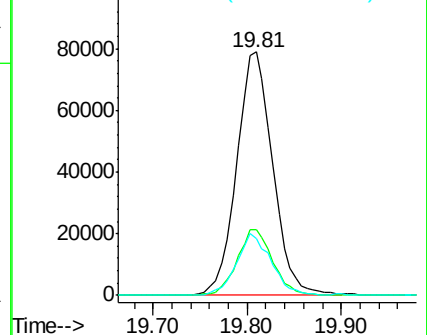
91 24.5 19.9 29.9



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): V



#70

n-Butylbenzene

Concen: 0.39 ppbv

RT: 20.78 min Scan# 2902

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

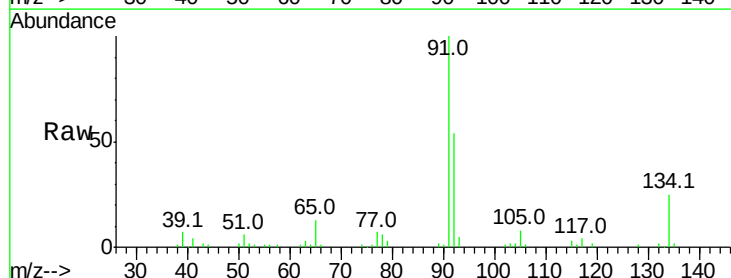
Tgt Ion: 91 Resp: 197812

Ion Ratio Lower Upper

91 100

92 53.3 45.0 67.6

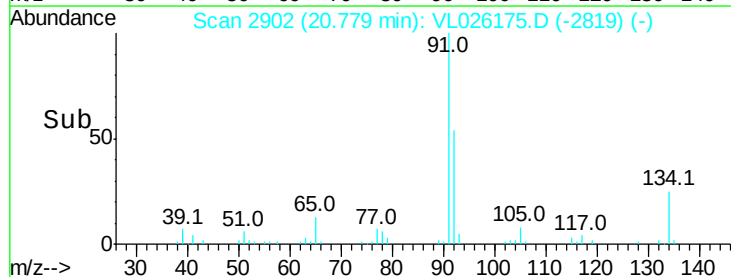
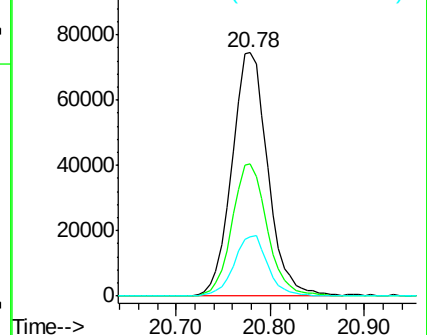
134 23.4 19.8 29.8

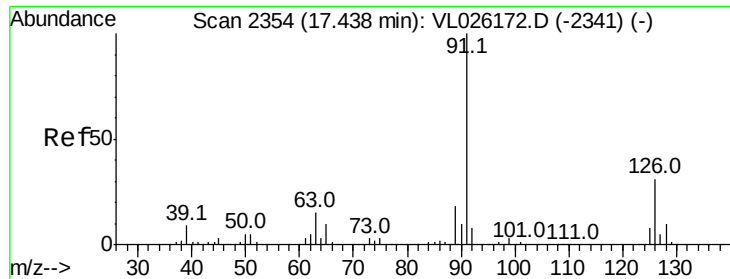


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.41 ppbv

RT: 17.44 min Scan# 2355

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

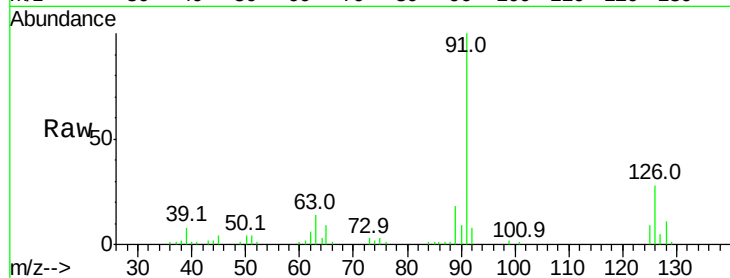
VSTDIC0.5

Tgt Ion: 91 Resp: 159575

Ion Ratio Lower Upper

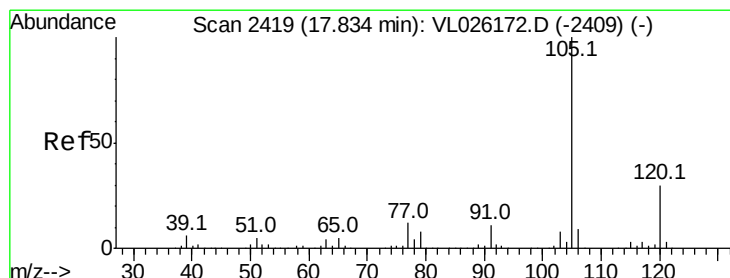
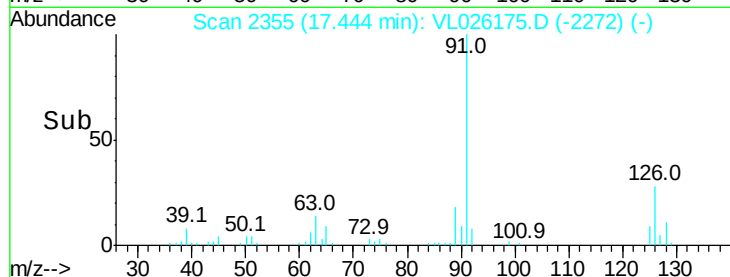
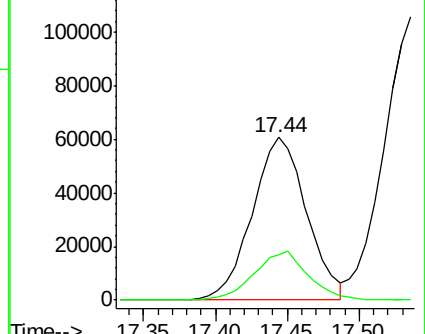
91 100

126 29.8 12.8 51.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.40 ppbv

RT: 17.84 min Scan# 2420

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion: 105 Resp: 168824

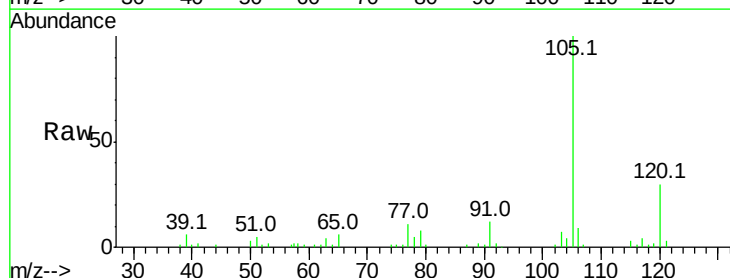
Ion Ratio Lower Upper

105 100

120 30.9 24.7 37.1

91 13.6 9.2 13.8

77 12.5 9.8 14.8

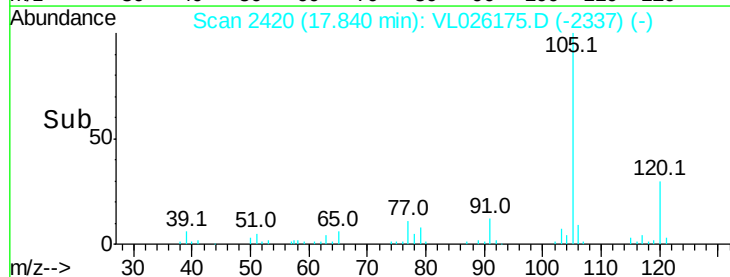
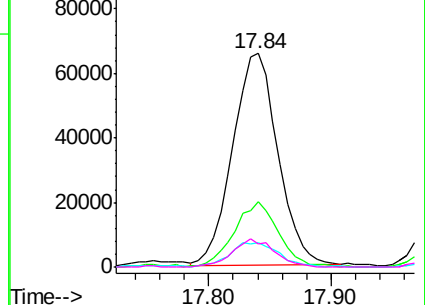


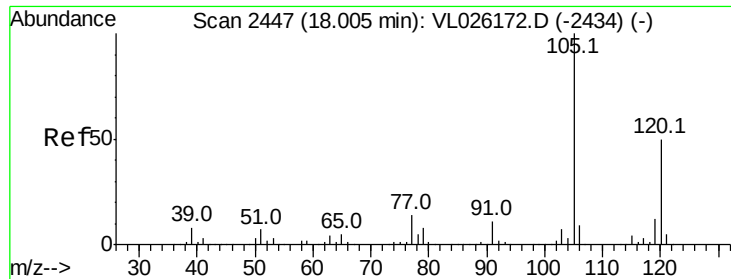
Abundance Ion 105.10 (104.80 to 105.80): V

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

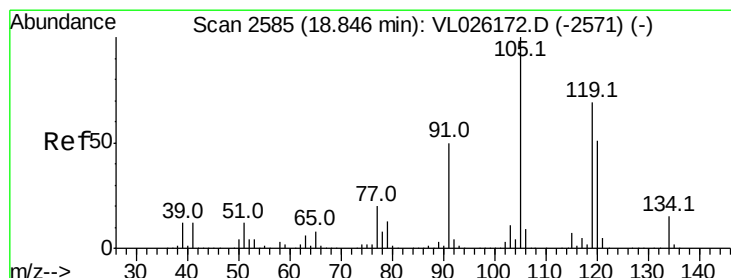
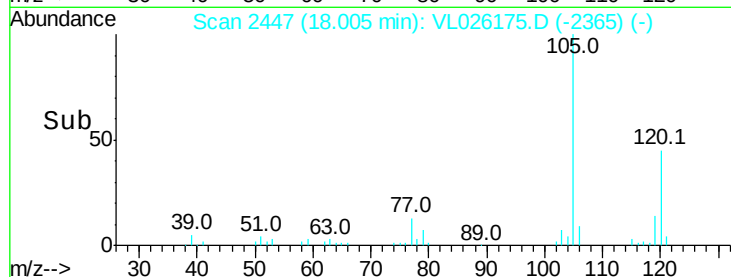
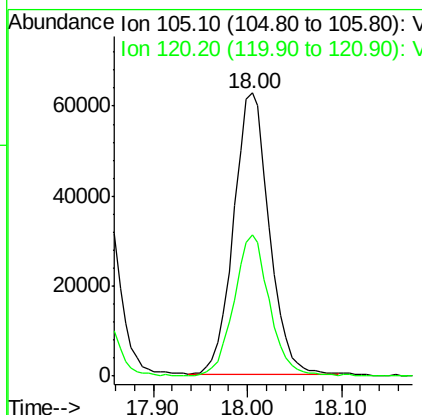
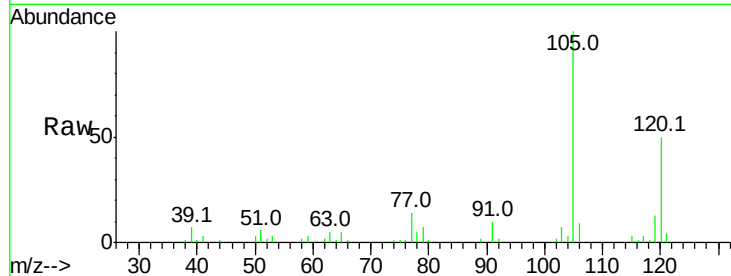




#73
 1,3,5-Trimethylbenzene
 Concen: 0.42 ppbv
 RT: 18.00 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

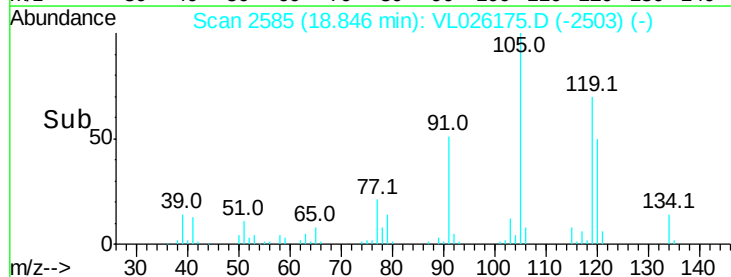
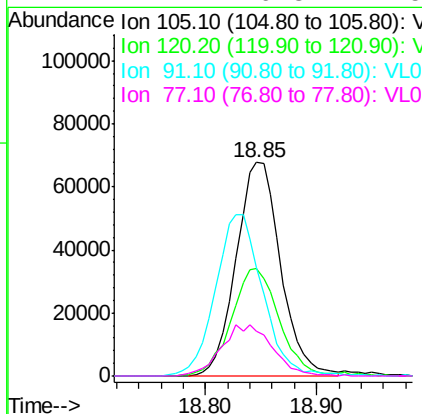
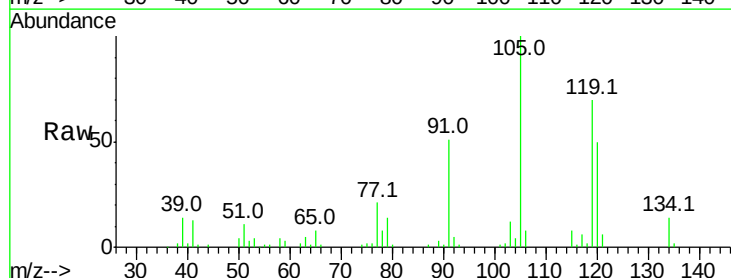
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

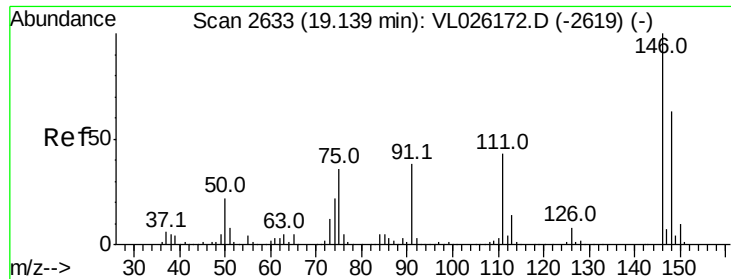
Tgt Ion:105 Resp: 164902
 Ion Ratio Lower Upper
 105 100
 120 50.3 40.1 60.1



#74
 1,2,4-Trimethylbenzene
 Concen: 0.46 ppbv
 RT: 18.85 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion:105 Resp: 188078
 Ion Ratio Lower Upper
 105 100
 120 49.7 41.1 61.7
 91 49.7 39.8 59.6
 77 21.1 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 0.48 ppbv

RT: 19.14 min Scan# 2633

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

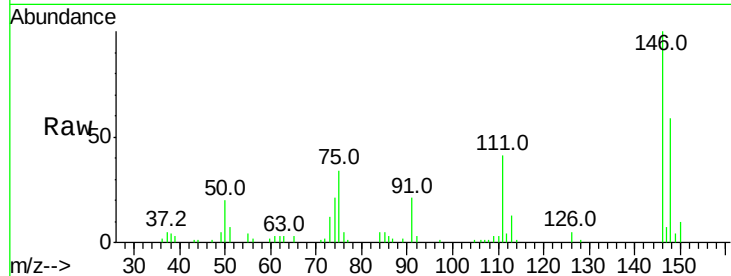
Tgt Ion:146 Resp: 121964

Ion Ratio Lower Upper

146 100

111 42.5 22.1 66.3

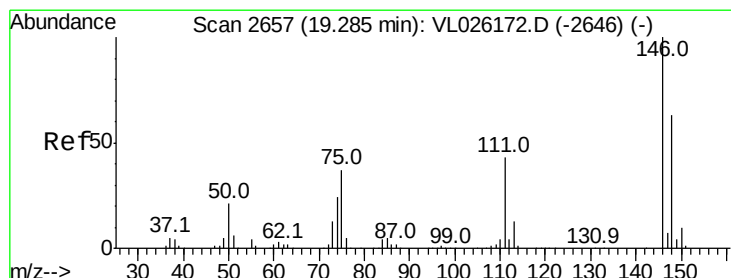
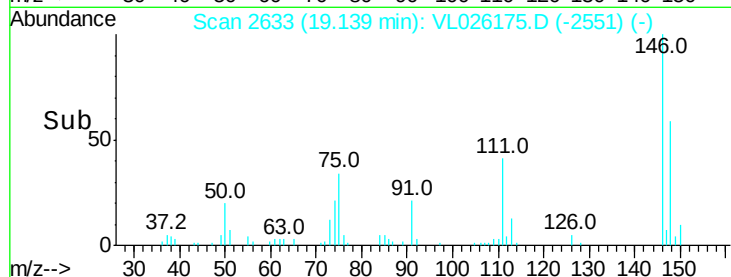
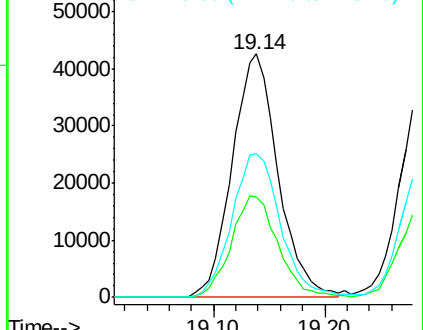
148 62.7 31.9 95.5



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: 0.44 ppbv

RT: 19.30 min Scan# 2659

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

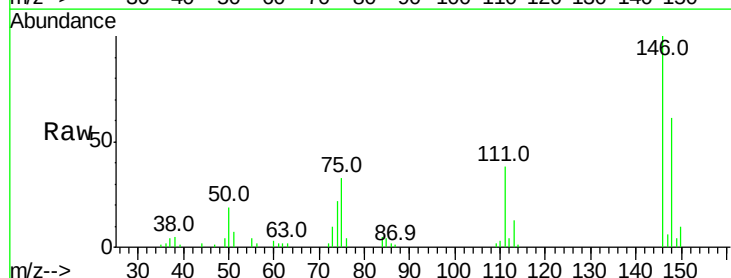
Tgt Ion:146 Resp: 117241

Ion Ratio Lower Upper

146 100

111 43.6 21.3 63.9

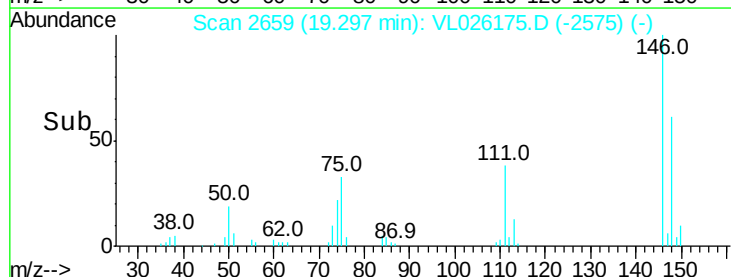
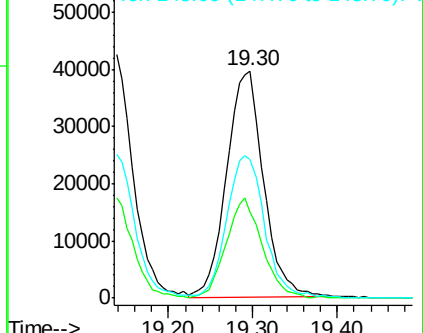
148 65.5 31.6 94.8

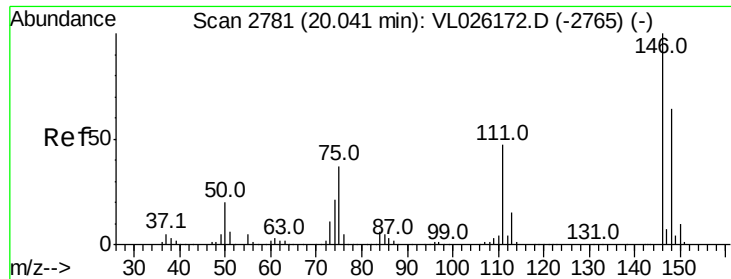


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.45 ppbv

RT: 20.04 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

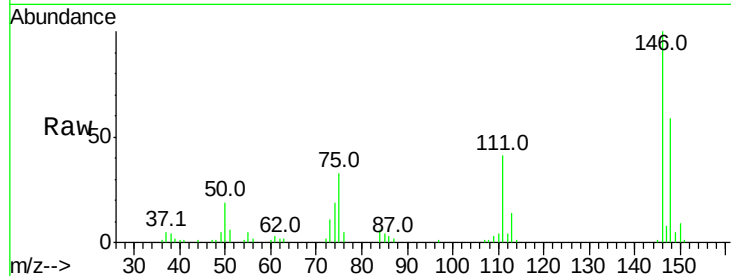
Tgt Ion:146 Resp: 114818

Ion Ratio Lower Upper

146 100

111 46.0 23.0 69.0

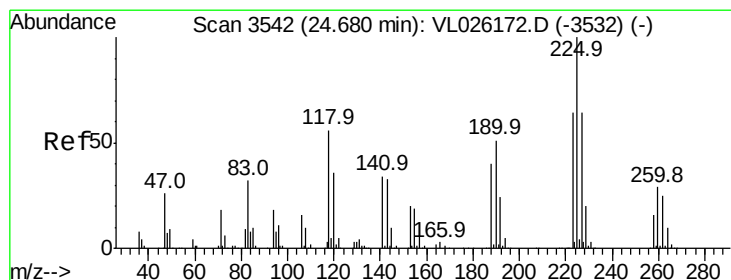
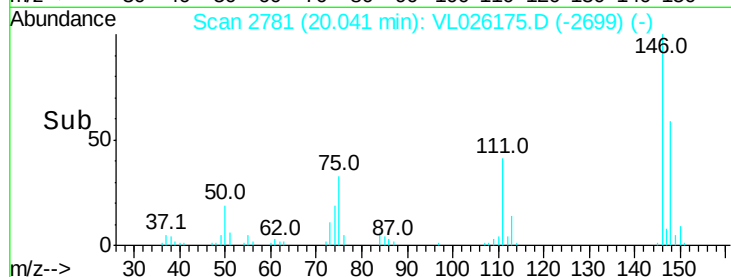
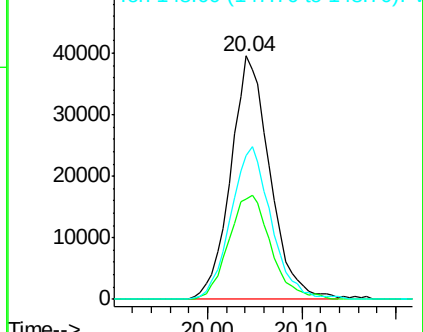
148 64.7 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.50 ppbv

RT: 24.69 min Scan# 3543

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

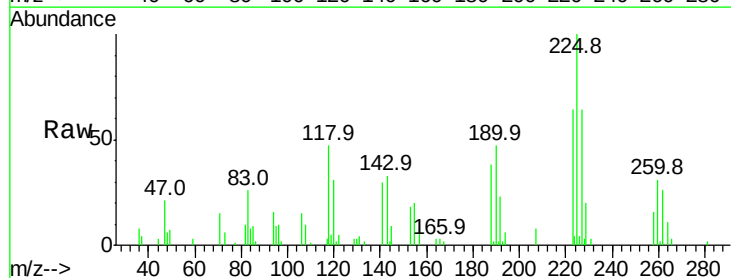
Tgt Ion:225 Resp: 51046

Ion Ratio Lower Upper

225 100

223 62.2 51.1 76.7

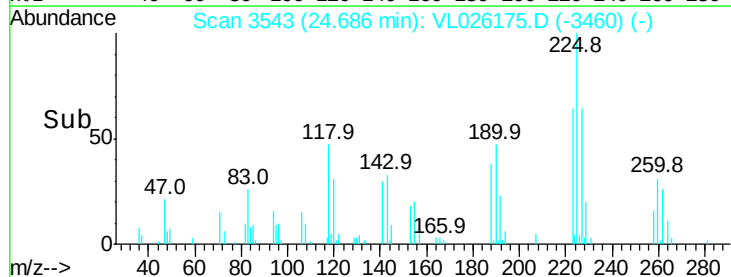
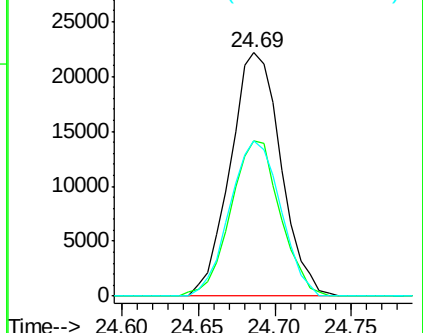
227 63.7 50.8 76.2

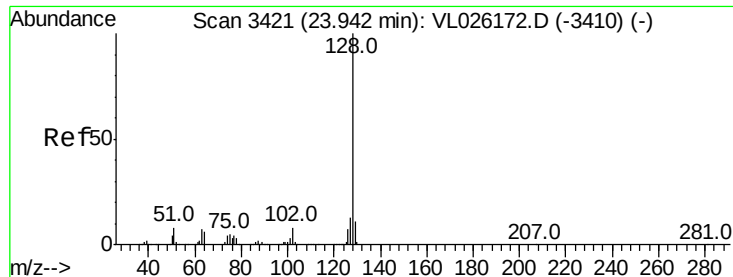


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

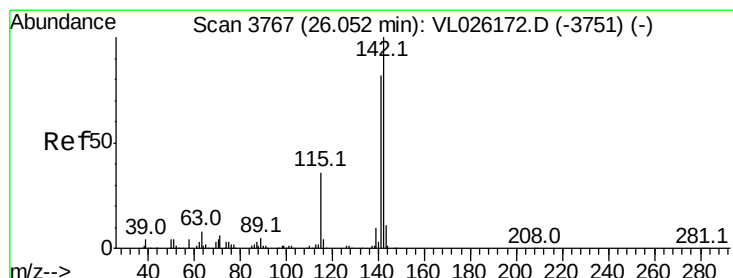
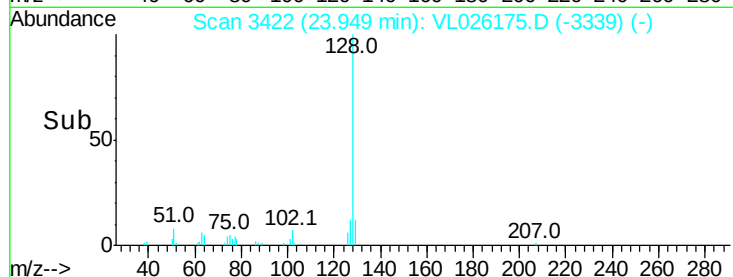
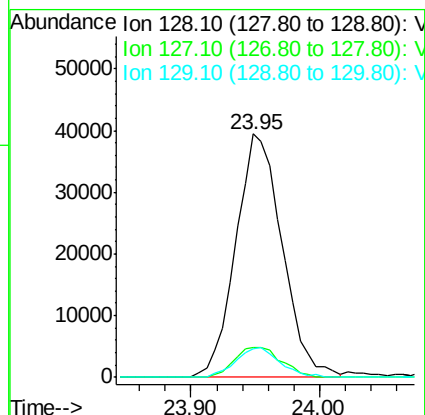
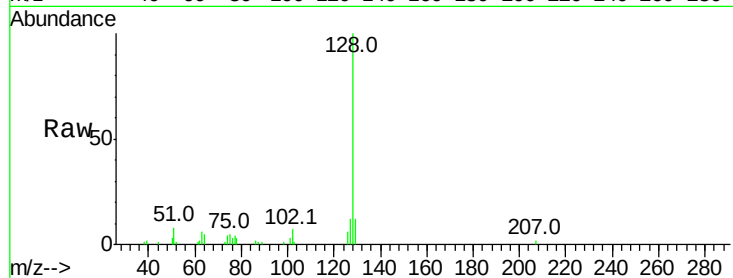




#79
Naphthalene
Concen: 0.31 ppbv
RT: 23.95 min Scan# 3422
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

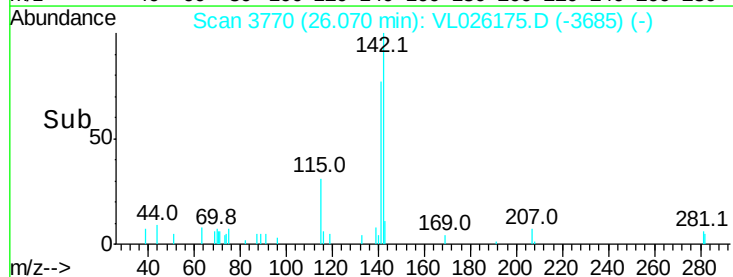
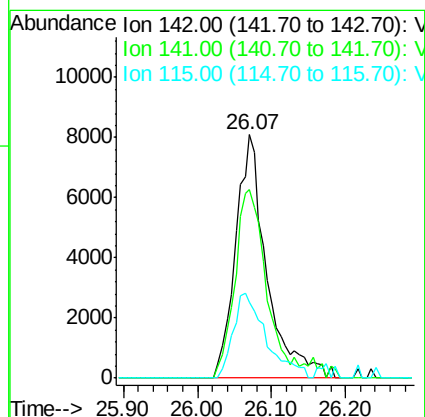
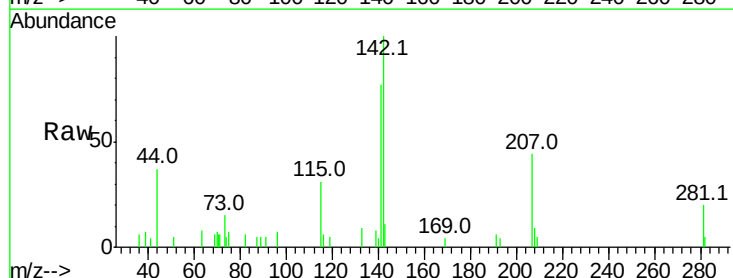
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

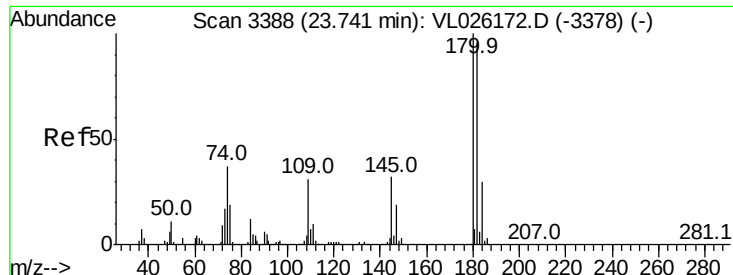
Tgt Ion:128 Resp: 98438
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 11.7 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 0.32 ppbv
RT: 26.07 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion:142 Resp: 23740
Ion Ratio Lower Upper
142 100
141 82.6 66.6 99.8
115 36.9 28.4 42.6





#81

1,2,4-Trichlorobenzene

Concen: 0.35 ppbv

RT: 23.75 min Scan# 3390

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

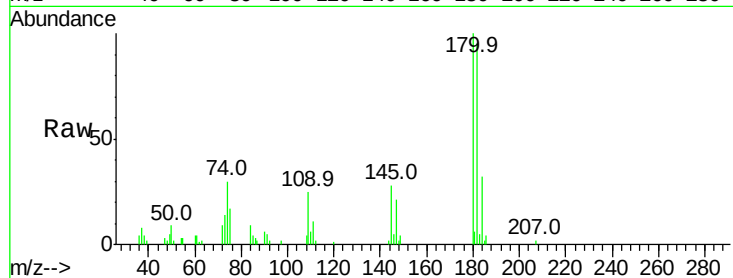
Tgt Ion:180 Resp: 54079

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

184 28.6 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

