

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
 Data File : VL026209.D
 Acq On : 20 Oct 2015 12:32
 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 20 13:52:53 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 12:43:06 2015
 QLast Update : Tue Oct 20 12:43:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	565624	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	1674743	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.71	117	2025026	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	1606849	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.63	85	62019	0.55	ppbv	93
3) Chlorodifluoromethane	3.56	51	37552	0.56	ppbv	99
4) Chloromethane	3.73	50	19551	0.52	ppbv	97
5) Vinyl Chloride	3.87	62	19669	0.52	ppbv	97
6) Bromomethane	4.13	94	14837	0.53	ppbv	88
7) Chloroethane	4.22	64	8292	0.50	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	51367	0.54	ppbv	99
9) Propene	3.58	41	17269	0.56	ppbv	100
10) Heptane	9.33	43	59418	0.56	ppbv	96
11) Trichlorofluoromethane	4.68	101	59559	0.56	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	5.29	101	40933	0.56	ppbv	99
13) Ethanol	4.35	45	2886	0.59	ppbv	83
14) Bromoethene	4.44	108	16794	0.56	ppbv	99
15) Acetone	4.61	43	51685	0.68	ppbv #	83
16) 1,3-Butadiene	3.96	39	19341	0.56	ppbv	92
17) tert-Butyl alcohol	5.16	59	23856	0.52	ppbv	98
18) 1,1-Dichloroethene	5.06	96	18379	0.55	ppbv	98
19) Isopropyl Alcohol	4.78	45	14807	0.49	ppbv #	2
20) Methylene Chloride	5.13	84	17552	0.55	ppbv	96
21) Allyl Chloride	5.21	41	28352	0.57	ppbv	91
22) trans-1,2-Dichloroethene	5.74	96	23046	0.55	ppbv	92
23) Vinyl Acetate	5.97	43	78228	0.58	ppbv	98
24) 1,1-Dichloroethane	5.89	63	49169	0.55	ppbv	98
25) Ethyl Acetate	6.67	43	58923	0.41	ppbv #	91
26) Hexane	6.63	57	40011	0.57	ppbv	96
27) Carbon Disulfide	5.37	76	49328	0.57	ppbv #	92
28) Methyl tert-Butyl Ether	5.96	73	72128	0.62	ppbv	99
29) Chloroform	6.72	83	56978	0.55	ppbv	94
30) Cyclohexane	8.26	84	40686	0.60	ppbv #	59
31) cis-1,2-Dichloroethene	6.49	61	35621	0.56	ppbv	92
32) 1,1,1-Trichloroethane	7.57	97	61829	0.62	ppbv	99
34) 2-Butanone	6.21	43	48896	0.53	ppbv	99
35) Carbon Tetrachloride	8.13	117	64122	0.60	ppbv	95
36) Benzene	7.99	78	89515	0.56	ppbv	98
37) 1,2-Dichloroethane	7.35	62	46061	0.54	ppbv	98
38) Trichloroethene	9.03	130	41154	0.56	ppbv	94
39) 1,2-Dichloropropane	8.80	63	31728	0.54	ppbv	100
40) 1,4-Dioxane	9.19	88	3027	0.27	ppbv #	1
41) Tetrahydrofuran	7.14	42	27305	0.53	ppbv	99
42) Bromodichloromethane	8.99	83	64805	0.57	ppbv	99
43) Methyl Methacrylate	9.25	69	30519	0.54	ppbv	98

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 12:43:06 2015
 QLast Update : Tue Oct 20 12:43:06 2015
 Response via : Initial Calibration

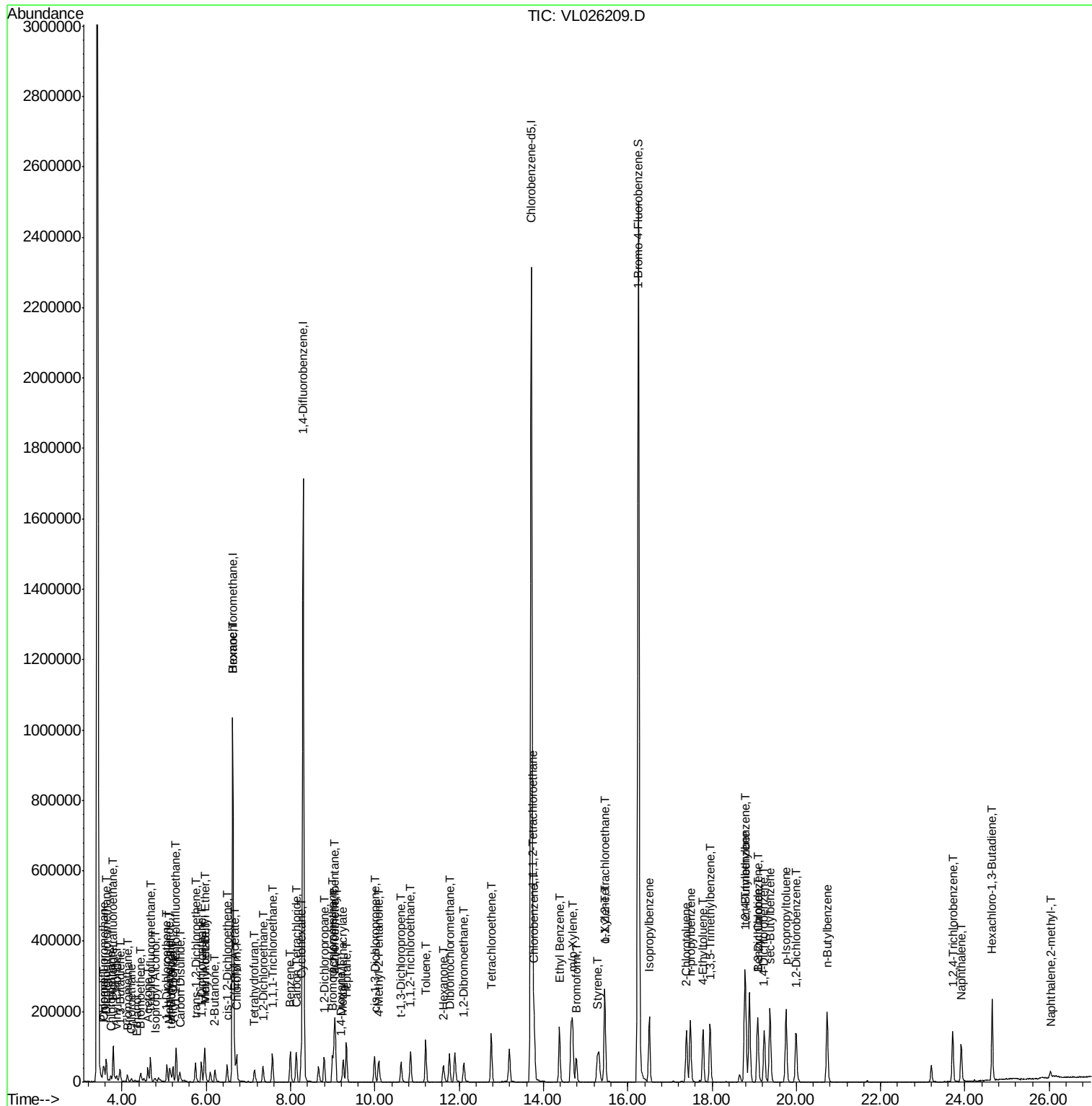
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	150917	0.57	ppbv	97
45) t-1,3-Dichloropropene	10.62	75	46963	0.59	ppbv	97
46) cis-1,3-Dichloropropene	9.99	75	57220	0.59	ppbv	98
47) 1,1,2-Trichloroethane	10.85	97	38812	0.54	ppbv	98
48) Dibromochloromethane	11.77	129	62157	0.60	ppbv	99
49) Bromoform	14.77	173	51679	0.65	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	64161	0.52	ppbv	100
51) 2-Hexanone	11.62	43	58572	0.54	ppbv #	99
52) Tetrachloroethene	12.76	164	45762	0.57	ppbv	99
53) Toluene	11.21	91	122547	0.59	ppbv	99
54) 1,2-Dibromoethane	12.11	107	60276	0.56	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	50740	0.62	ppbv #	1
57) Chlorobenzene	13.78	112	109850	0.60	ppbv	97
58) Ethyl Benzene	14.38	91	182435	0.62	ppbv	99
59) m/p-Xylene	14.69	91	286957	1.20	ppbv	100
60) o-Xylene	15.46	91	154012	0.62	ppbv	100
61) Styrene	15.28	104	60524	0.59	ppbv	99
62) Isopropylbenzene	16.51	105	210073	0.63	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	96009	0.52	ppbv	99
64) n-propylbenzene	17.49	120	56876	0.64	ppbv	94
65) tert-Butylbenzene	18.78	119	199488	0.68	ppbv	97
66) Benzyl Chloride	19.08	91	70656	0.77	ppbv	99
67) sec-Butylbenzene	19.38	105	269072	0.66	ppbv	99
69) p-Isopropyltoluene	19.75	119	223639	0.68	ppbv	98
70) n-Butylbenzene	20.73	91	200691	0.65	ppbv	99
71) 2-Chlorotoluene	17.39	91	151469	0.63	ppbv	100
72) 4-Ethyltoluene	17.79	105	170432	0.64	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	158072	0.63	ppbv	99
74) 1,2,4-Trimethylbenzene	18.80	105	175570	0.66	ppbv	96
75) 1,3-Dichlorobenzene	19.08	146	110108	0.65	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	116178	0.67	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	111100	0.67	ppbv	100
78) Hexachloro-1,3-Butadiene	24.65	225	63522	1.06	ppbv	99
79) Naphthalene	23.91	128	138397	0.93	ppbv	97
80) Naphthalene,2-methyl-	26.03	142	19624	0.44	ppbv	97
81) 1,2,4-Trichlorobenzene	23.71	180	71691	0.96	ppbv	99

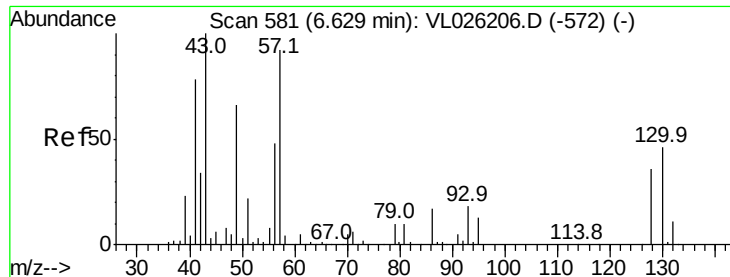
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VSTDICC0.5

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

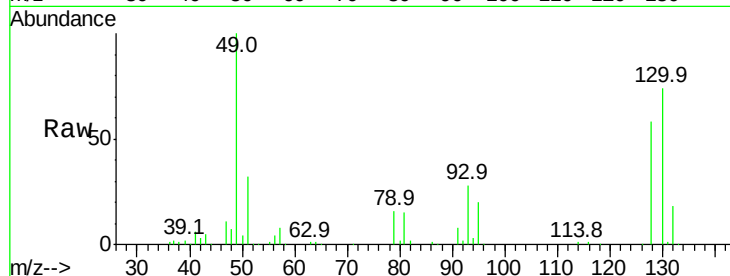
Tgt Ion: 49 Resp: 565624

Ion Ratio Lower Upper

49 100

128 57.4 28.1 84.3

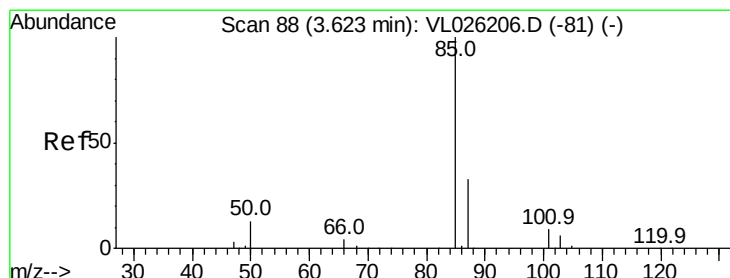
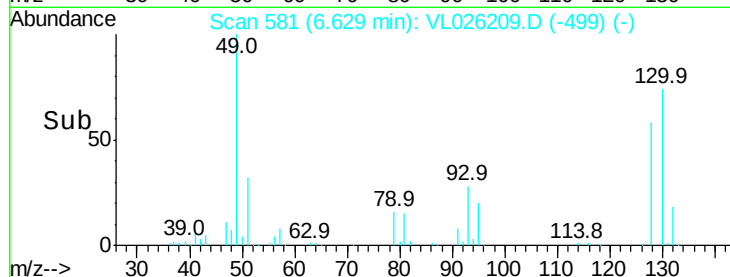
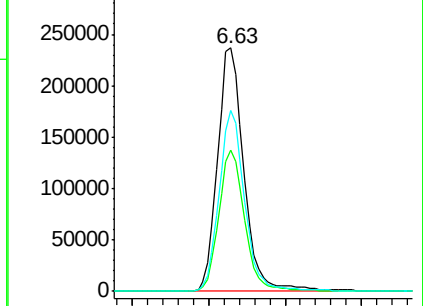
130 72.8 36.2 108.6



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: 0.55 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026209.D

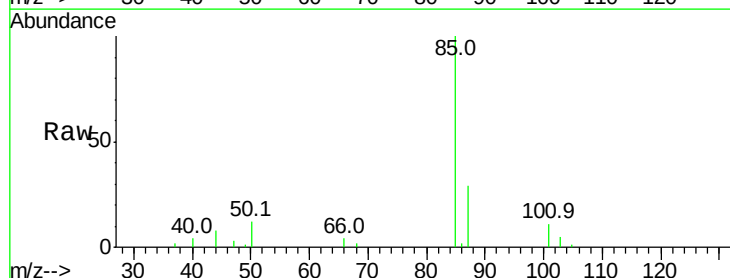
Acq: 20 Oct 2015 12:32

Tgt Ion: 85 Resp: 62019

Ion Ratio Lower Upper

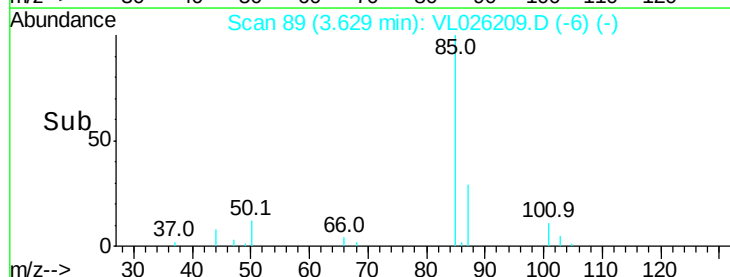
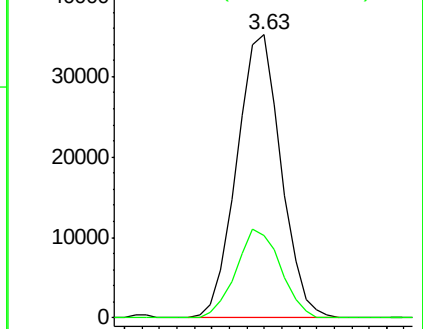
85 100

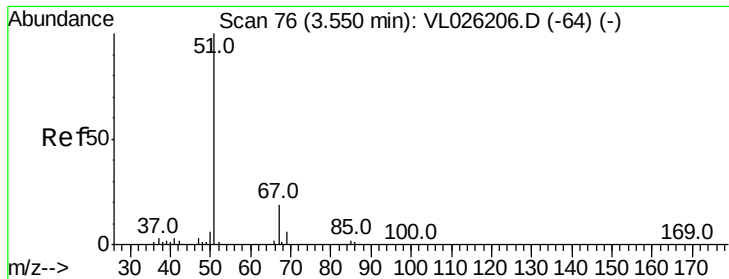
87 29.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.56 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

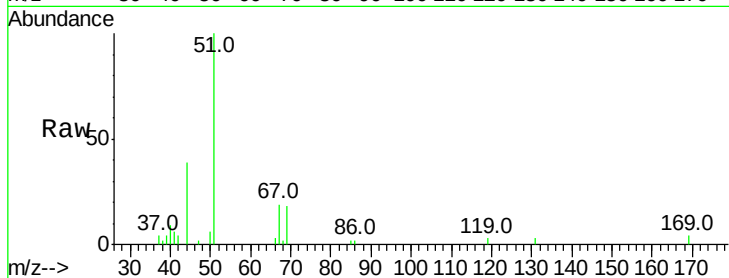
VSTDIC0.5

Tgt Ion: 51 Resp: 37552

Ion Ratio Lower Upper

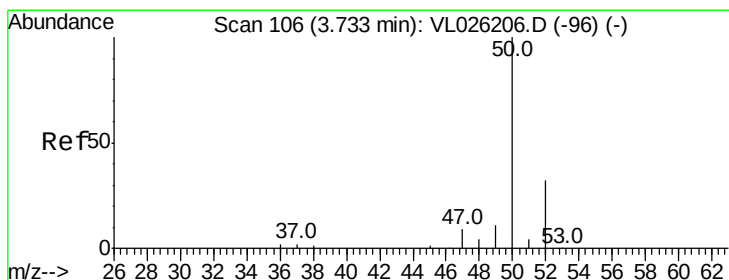
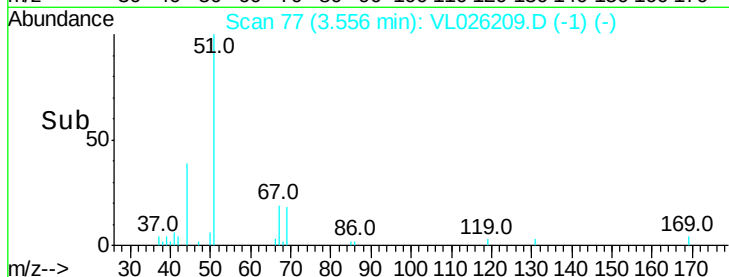
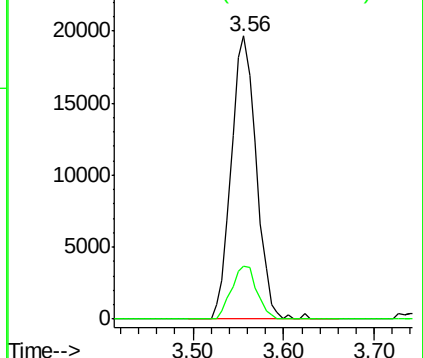
51 100

67 18.9 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.52 ppbv

RT: 3.73 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL026209.D

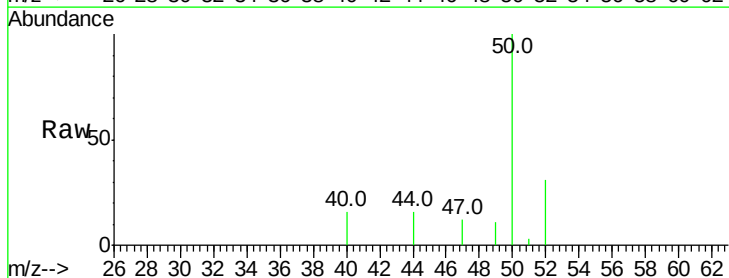
Acq: 20 Oct 2015 12:32

Tgt Ion: 50 Resp: 19551

Ion Ratio Lower Upper

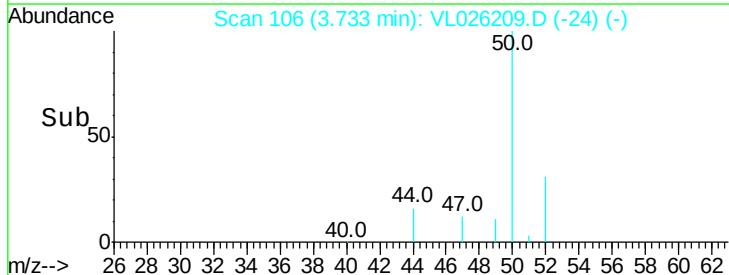
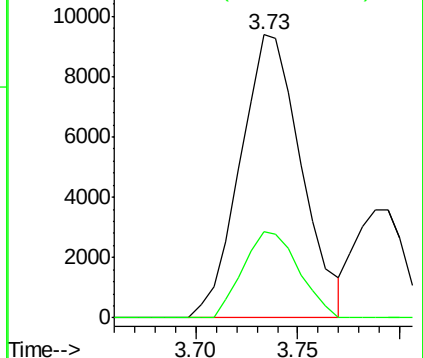
50 100

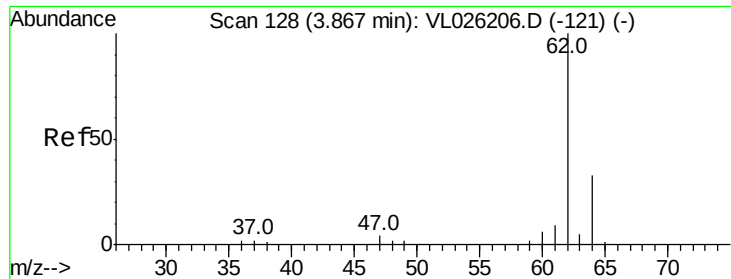
52 30.6 25.8 38.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.52 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

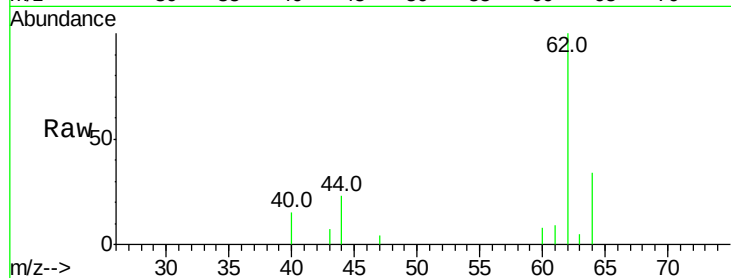
VSTDIC0.5

Tgt Ion: 62 Resp: 19669

Ion Ratio Lower Upper

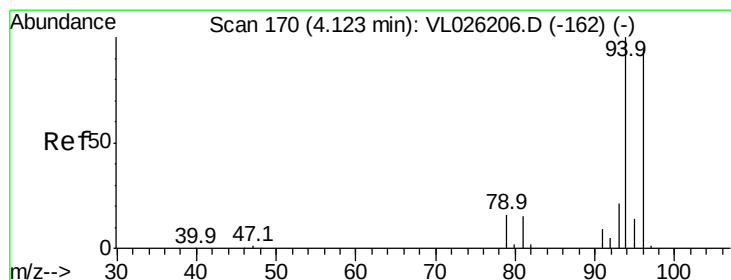
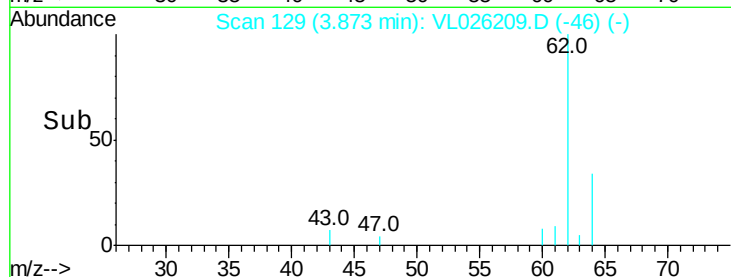
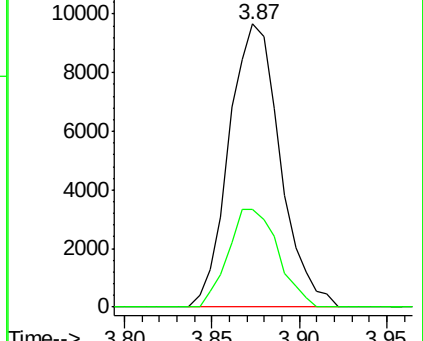
62 100

64 34.5 26.3 39.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.53 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL026209.D

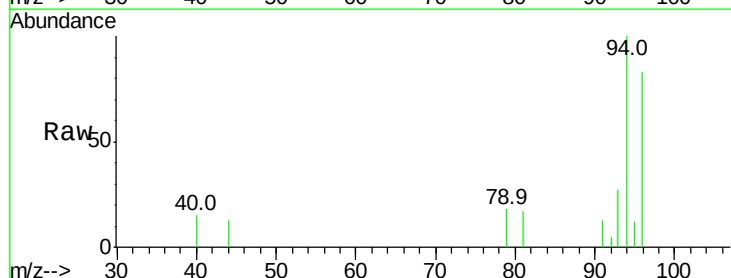
Acq: 20 Oct 2015 12:32

Tgt Ion: 94 Resp: 14837

Ion Ratio Lower Upper

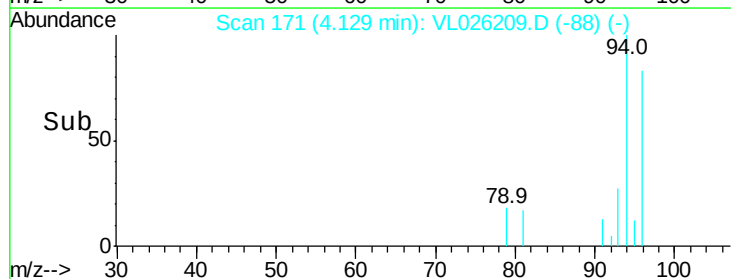
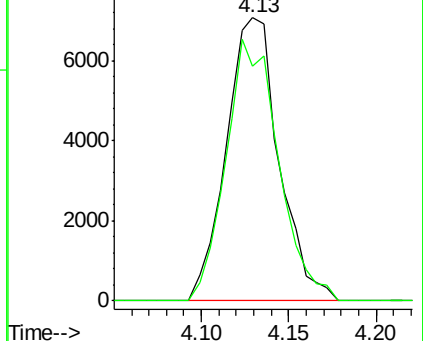
94 100

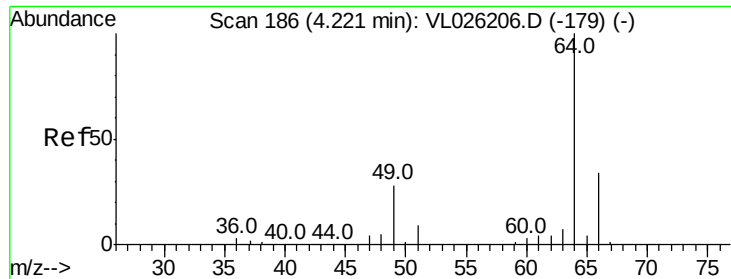
96 82.8 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.50 ppbv

RT: 4.22 min Scan# 186

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

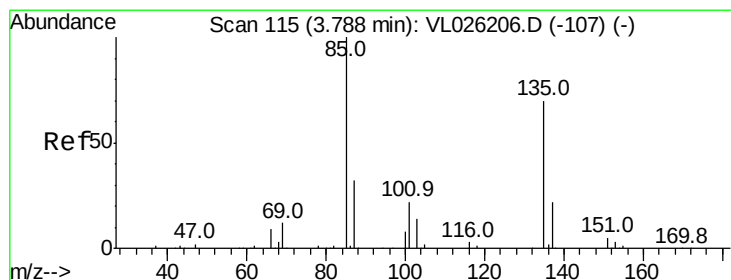
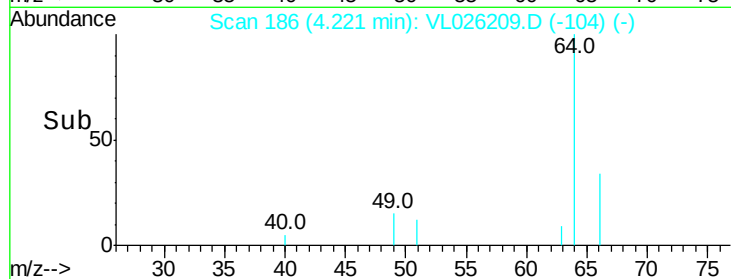
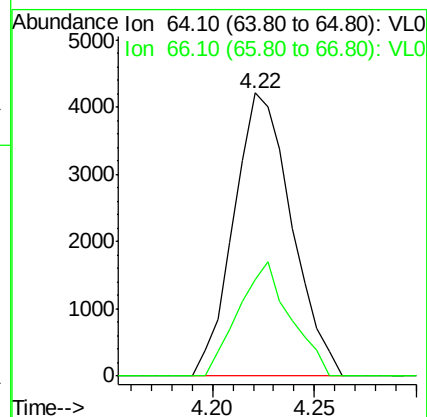
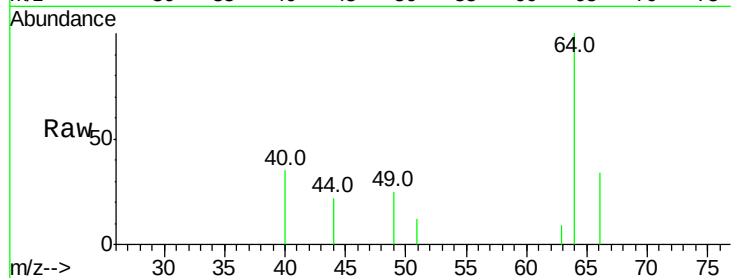
VSTDIC0.5

Tgt Ion: 64 Resp: 8292

Ion Ratio Lower Upper

64 100

66 34.0 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 0.54 ppbv

RT: 3.79 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL026209.D

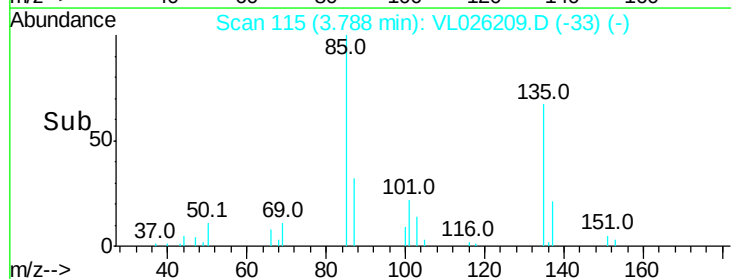
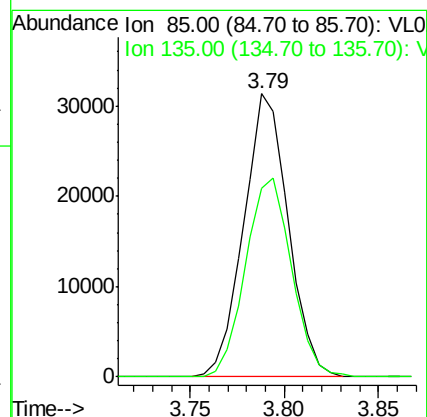
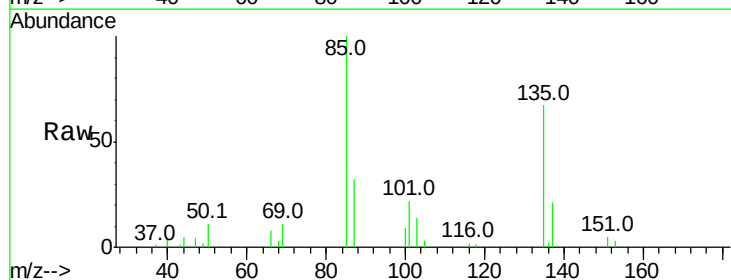
Acq: 20 Oct 2015 12:32

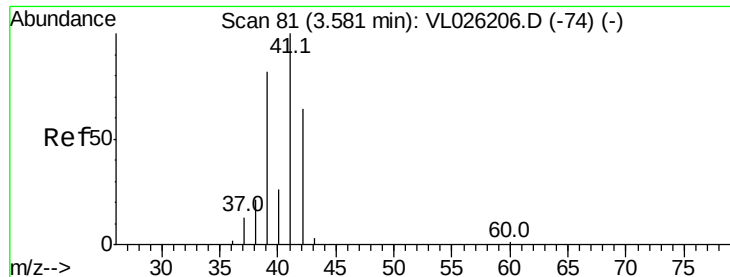
Tgt Ion: 85 Resp: 51367

Ion Ratio Lower Upper

85 100

135 72.5 57.5 86.3





#9

Propene

Concen: 0.56 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

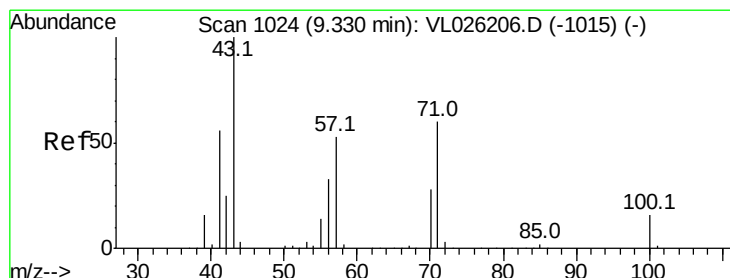
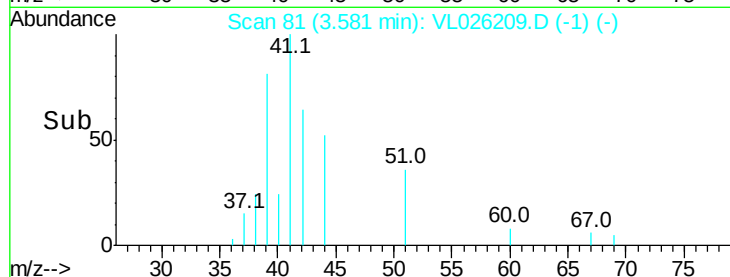
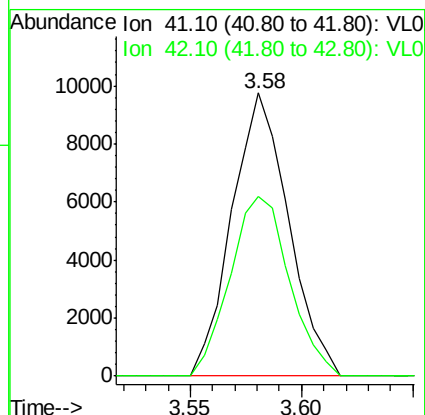
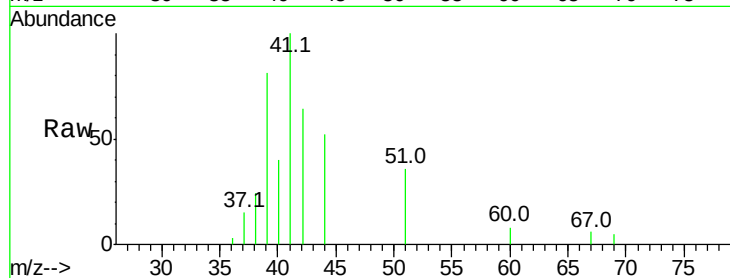
VSTDIC0.5

Tgt Ion: 41 Resp: 17269

Ion Ratio Lower Upper

41 100

42 66.3 53.1 79.7



#10

Heptane

Concen: 0.56 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VL026209.D

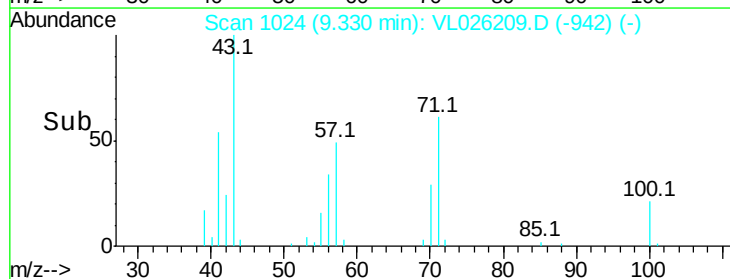
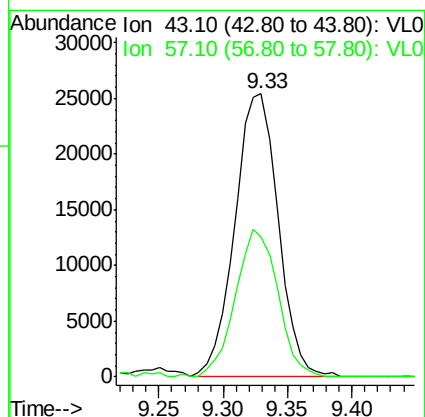
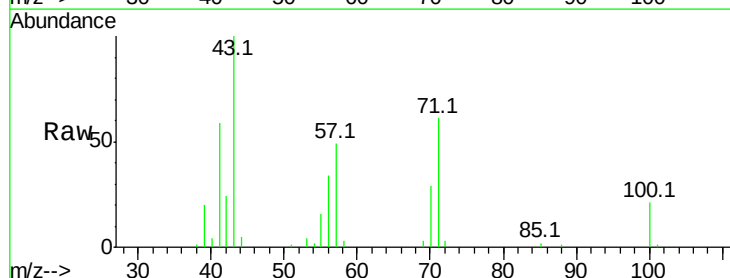
Acq: 20 Oct 2015 12:32

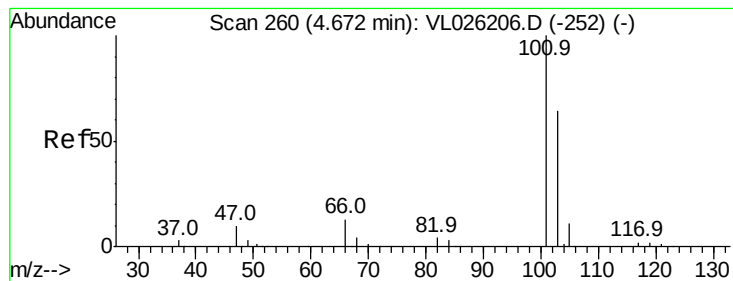
Tgt Ion: 43 Resp: 59418

Ion Ratio Lower Upper

43 100

57 51.6 43.5 65.3





#11

Trichlorofluoromethane

Concen: 0.56 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

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MSVOA_L

ClientSampleId :

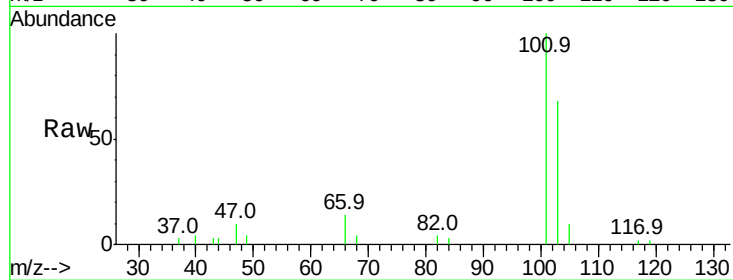
VSTDIC0.5

Tgt Ion:101 Resp: 59559

Ion Ratio Lower Upper

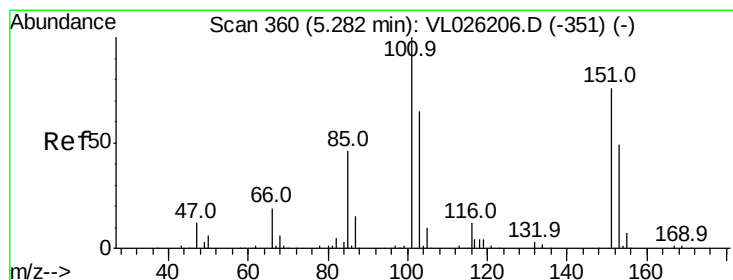
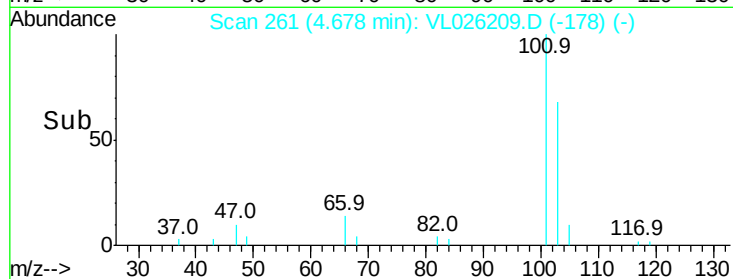
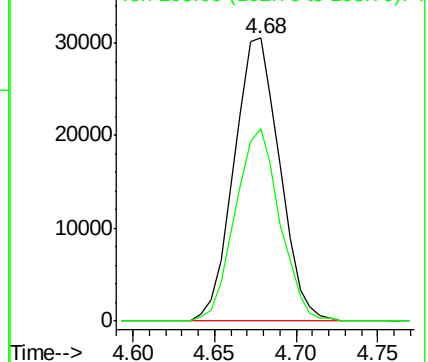
101 100

103 68.2 51.2 76.8



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: 0.56 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL026209.D

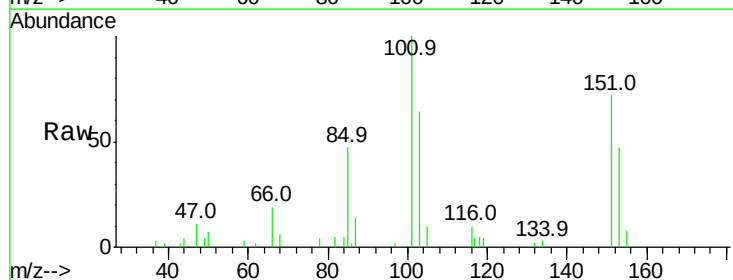
Acq: 20 Oct 2015 12:32

Tgt Ion:101 Resp: 40933

Ion Ratio Lower Upper

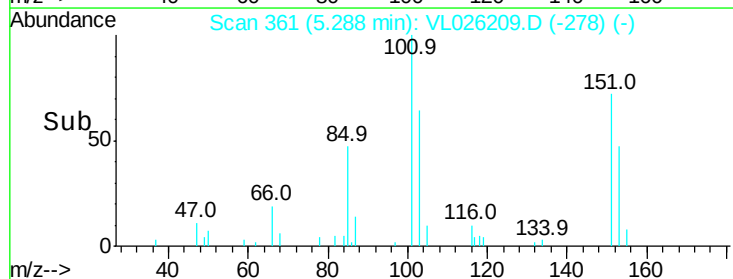
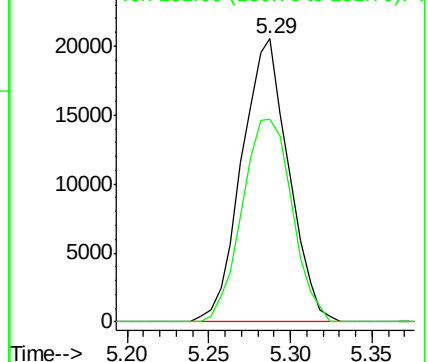
101 100

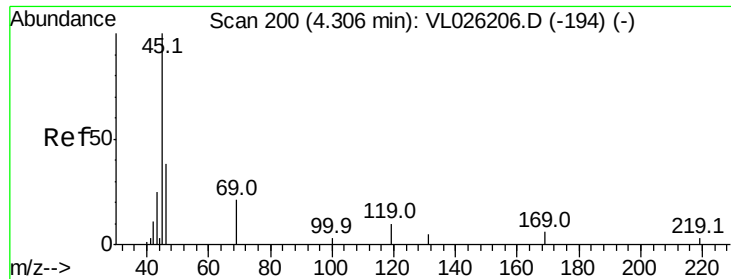
151 76.2 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.59 ppbv

RT: 4.35 min Scan# 207

Delta R.T. 0.04 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

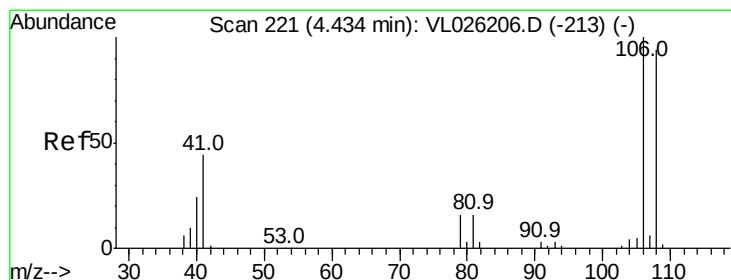
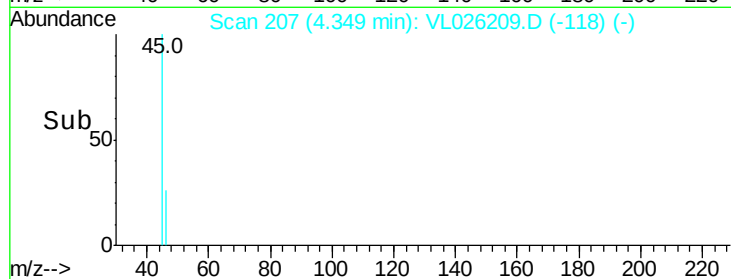
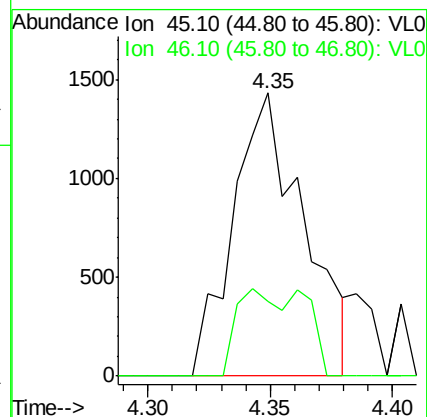
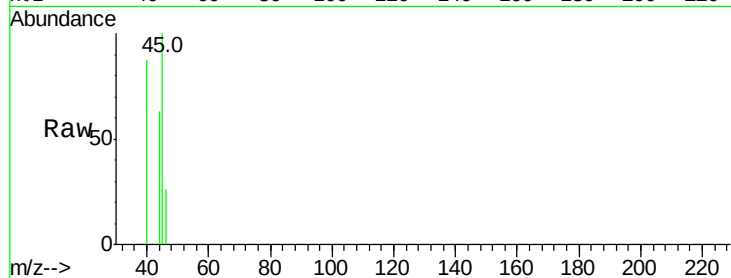
VSTDIC0.5

Tgt Ion: 45 Resp: 2886

Ion Ratio Lower Upper

45 100

46 29.5 16.1 64.3



#14

Bromoethene

Concen: 0.56 ppbv

RT: 4.44 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

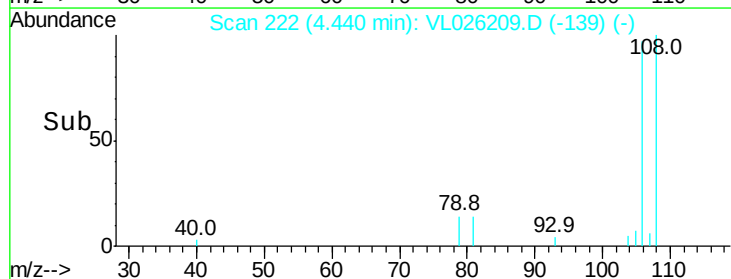
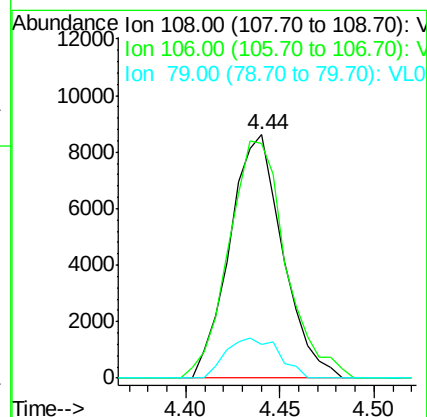
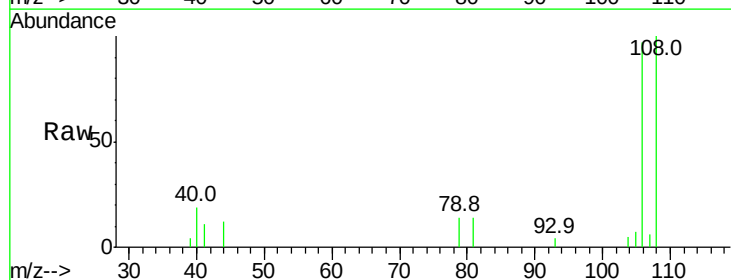
Tgt Ion: 108 Resp: 16794

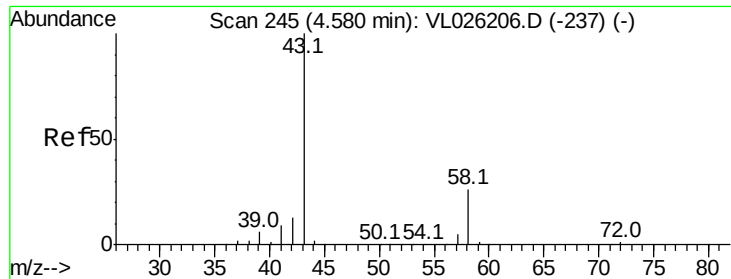
Ion Ratio Lower Upper

108 100

106 105.0 85.3 127.9

79 16.5 13.4 20.0





#15

Acetone

Concen: 0.68 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.03 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

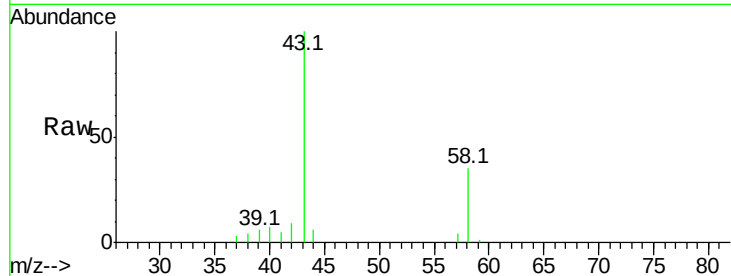
VSTDIC0.5

Tgt Ion: 43 Resp: 51685

Ion Ratio Lower Upper

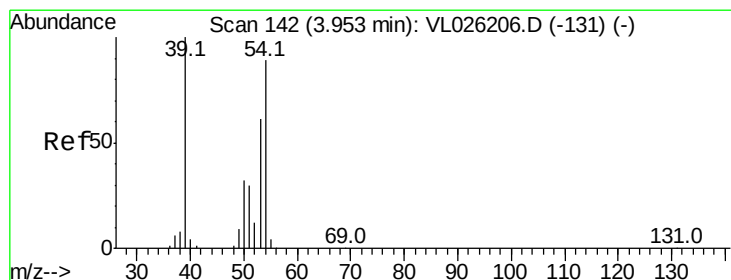
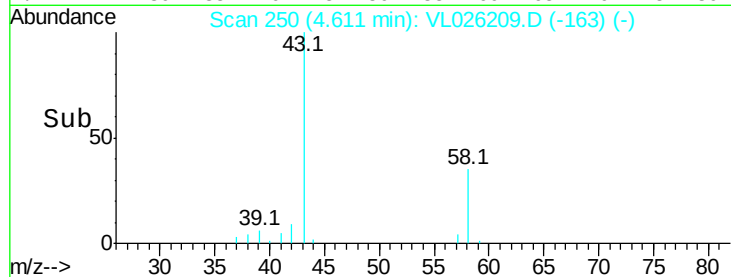
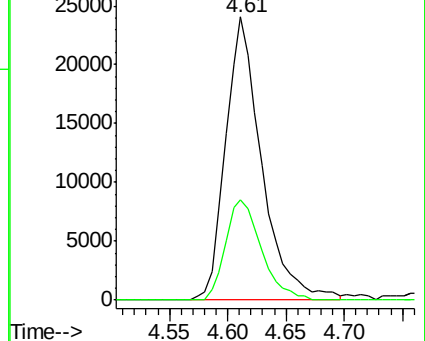
43 100

58 35.1 21.0 31.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.56 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL026209.D

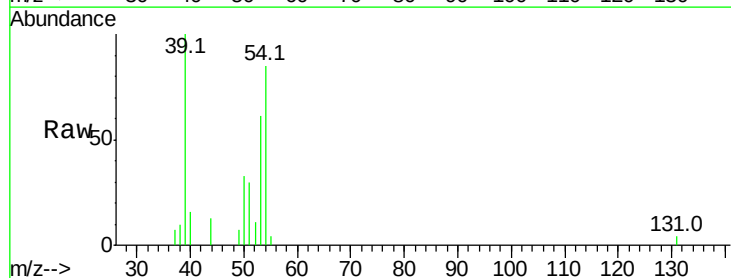
Acq: 20 Oct 2015 12:32

Tgt Ion: 39 Resp: 19341

Ion Ratio Lower Upper

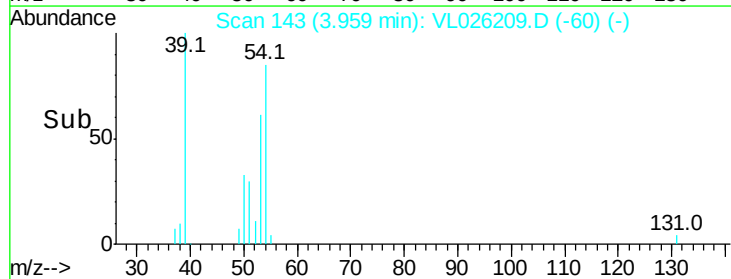
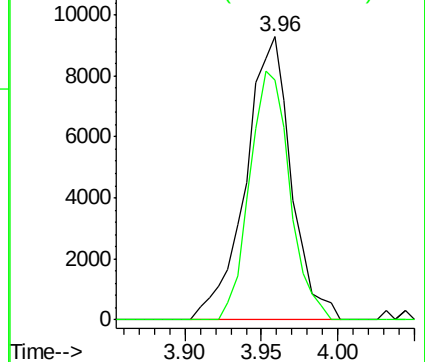
39 100

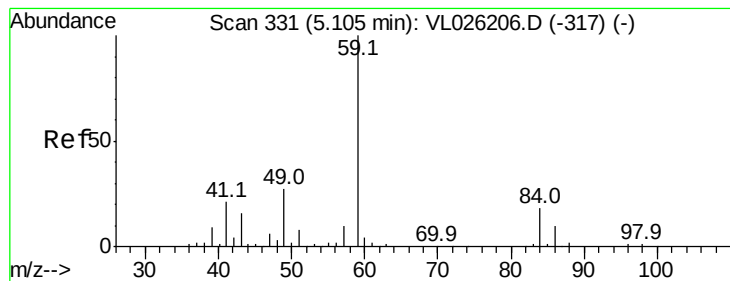
54 77.0 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.52 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.05 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

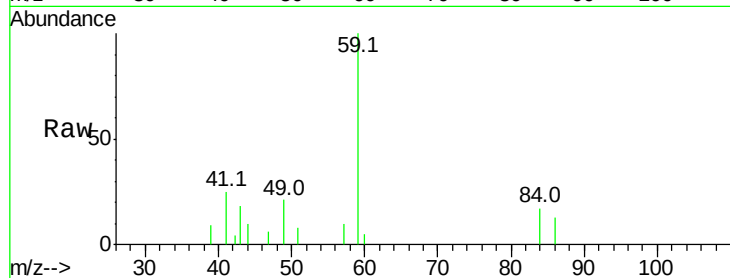
VSTDIC0.5

Tgt Ion: 59 Resp: 23856

Ion Ratio Lower Upper

59 100

57 9.9 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.16

10000

8000

6000

4000

2000

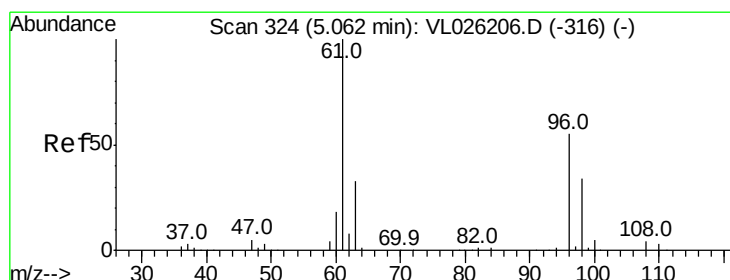
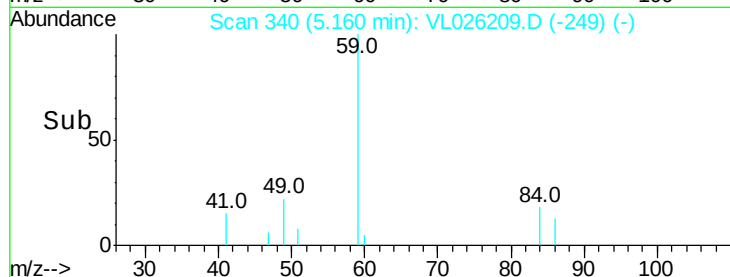
0

Time-->

5.10

5.15

5.20



#18

1,1-Dichloroethene

Concen: 0.55 ppbv

RT: 5.06 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

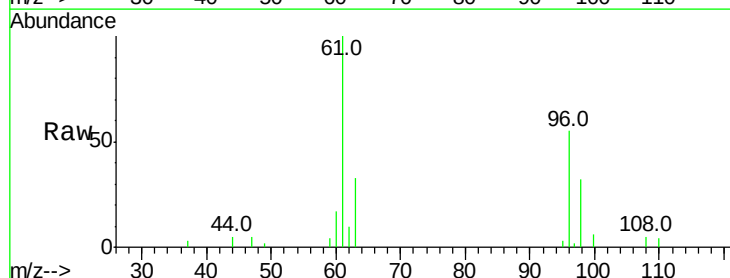
Tgt Ion: 96 Resp: 18379

Ion Ratio Lower Upper

96 100

61 181.7 146.6 219.8

98 58.5 50.5 75.7



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

20000

15000

10000

5000

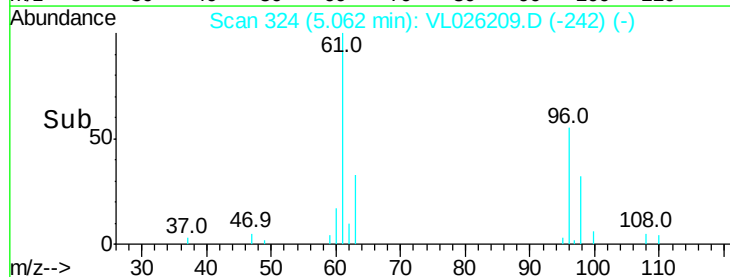
0

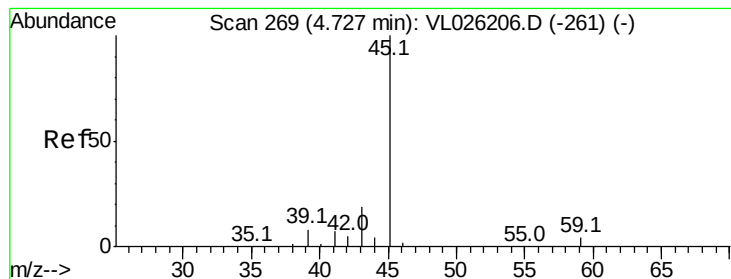
Time-->

5.00

5.05

5.10





#19

Isopropyl Alcohol

Concen: 0.49 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.05 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

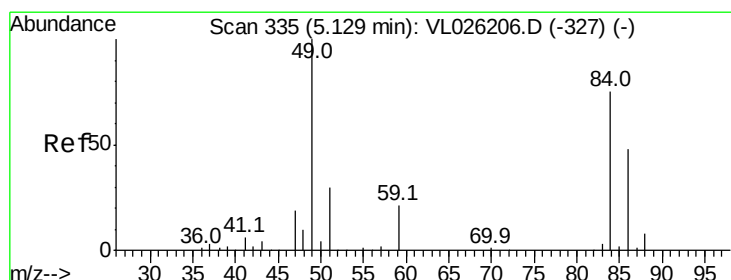
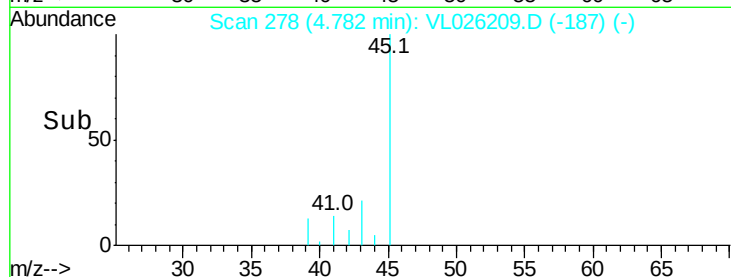
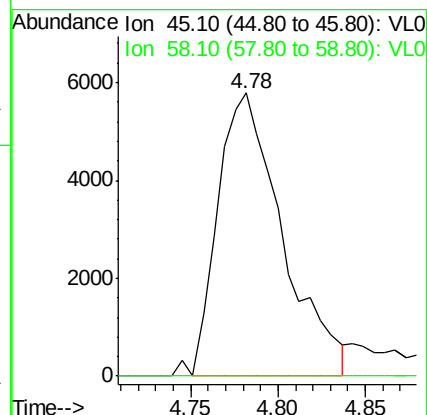
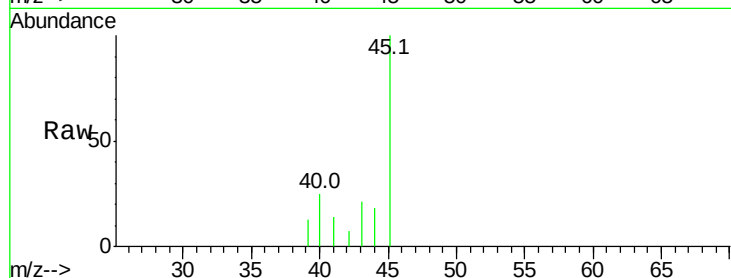
VSTDIC0.5

Tgt Ion: 45 Resp: 14807

Ion Ratio Lower Upper

45 100

58 122.5 42.4 63.6#



#20

Methylene Chloride

Concen: 0.55 ppbv

RT: 5.13 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Tgt Ion: 84 Resp: 17552

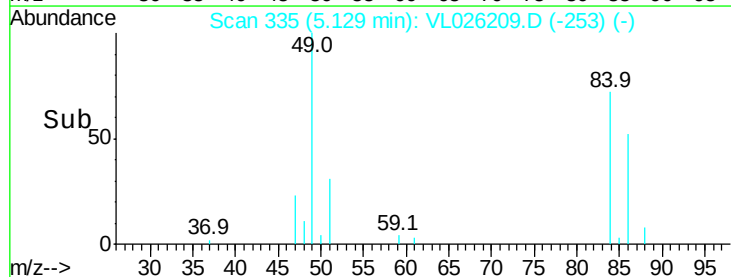
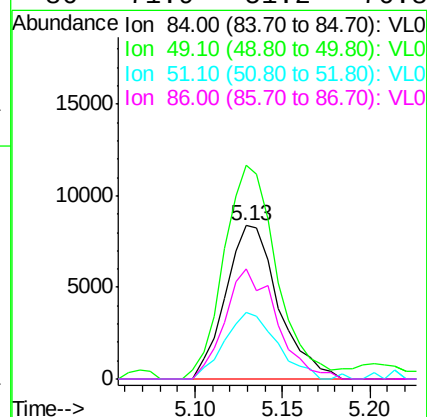
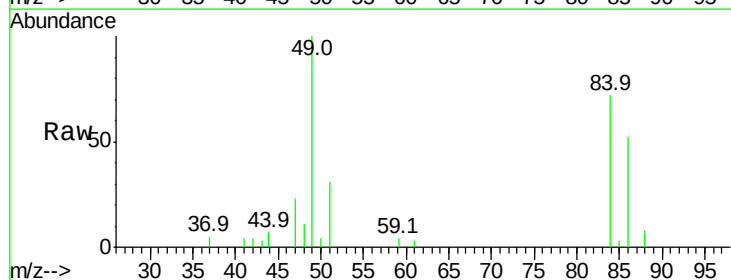
Ion Ratio Lower Upper

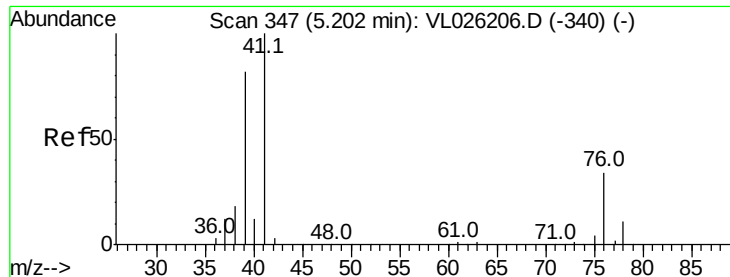
84 100

49 133.3 107.9 161.9

51 43.7 32.4 48.6

86 71.9 51.2 76.8





#21

Allyl Chloride

Concen: 0.57 ppbv

RT: 5.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

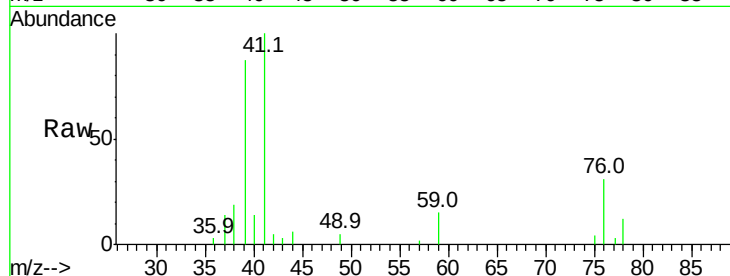
Tgt Ion: 41 Resp: 28352

Ion Ratio Lower Upper

41 100

76 31.2 26.2 39.4

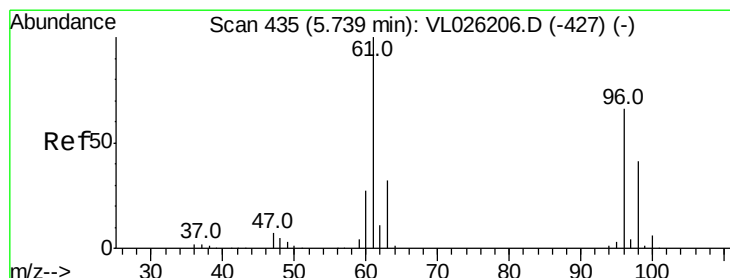
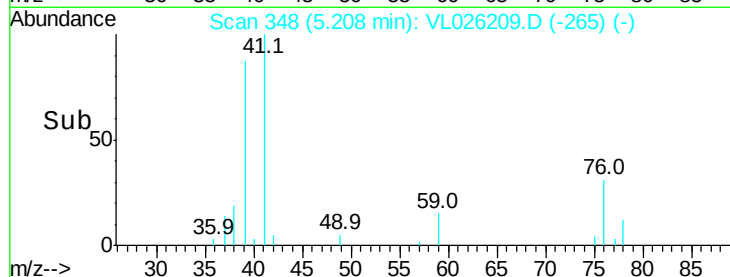
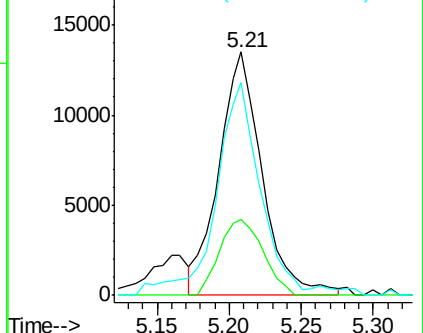
39 92.0 65.6 98.4



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: 0.55 ppbv

RT: 5.74 min Scan# 436

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

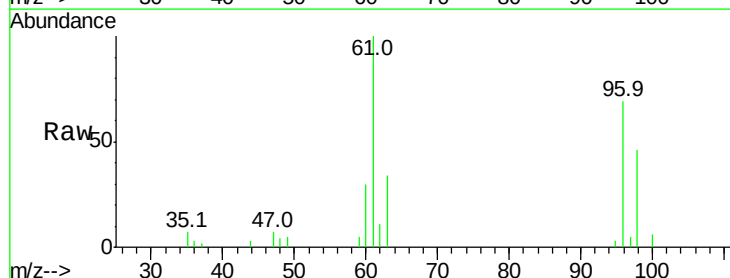
Tgt Ion: 96 Resp: 23046

Ion Ratio Lower Upper

96 100

61 140.9 121.3 181.9

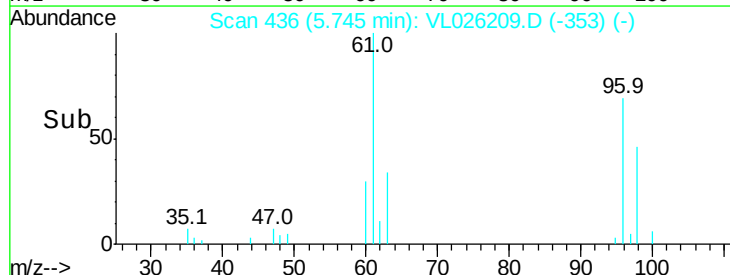
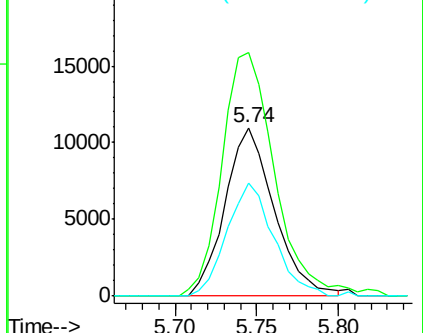
98 67.0 49.8 74.8

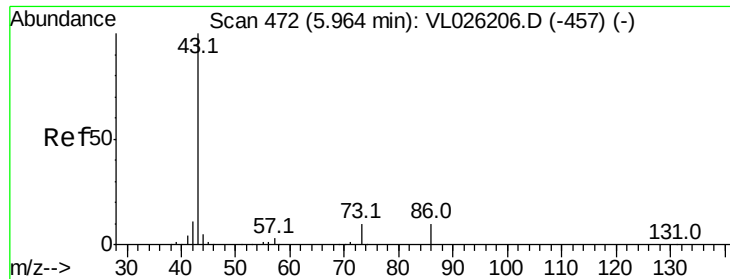


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.58 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 78228

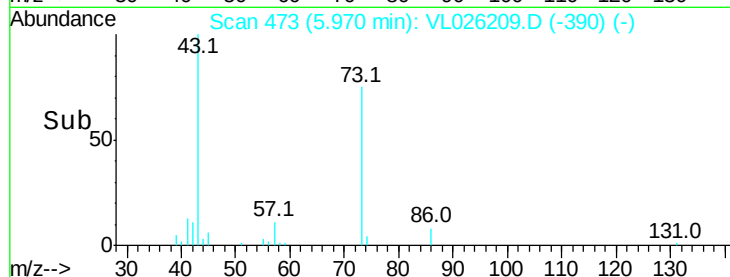
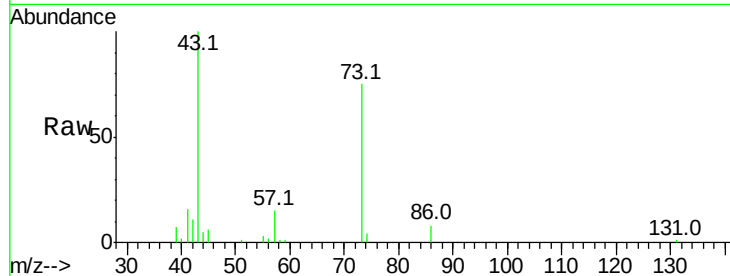
Ion	Ratio	Lower	Upper
43	100		
86	8.3	7.8	11.6
42	10.9	8.4	12.6
44	3.9	3.7	5.5

43 100

86 8.3 7.8 11.6

42 10.9 8.4 12.6

44 3.9 3.7 5.5

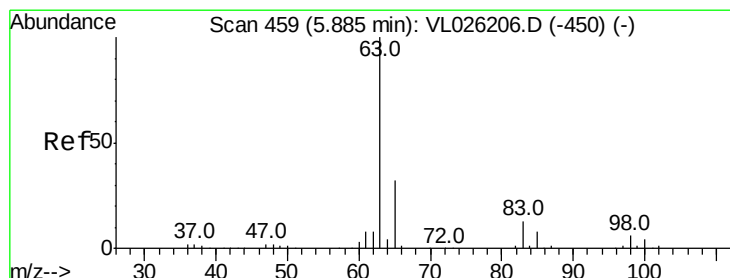
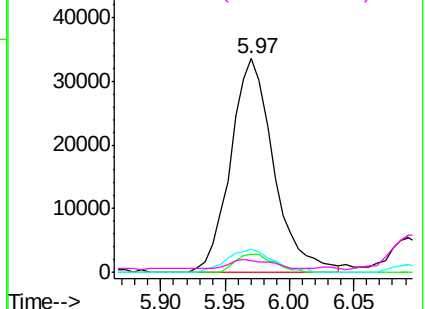


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.55 ppbv

RT: 5.89 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

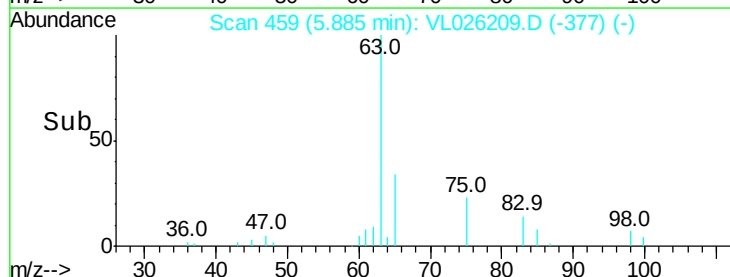
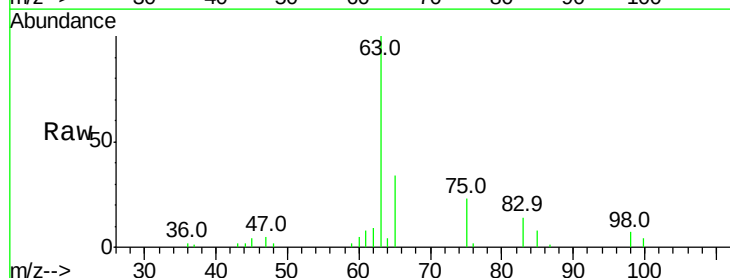
Tgt Ion: 63 Resp: 49169

Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.9	8.7
100	3.7	1.8	5.5

63 100

98 6.6 2.9 8.7

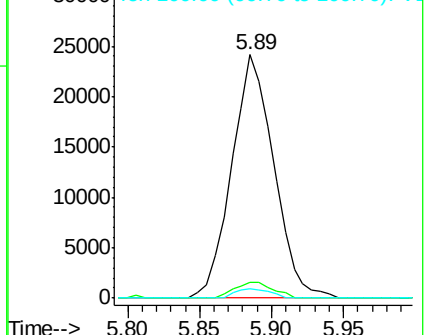
100 3.7 1.8 5.5

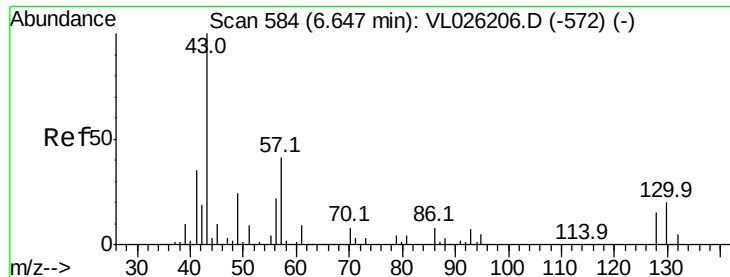


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.41 ppbv

RT: 6.67 min Scan# 588

Delta R.T. 0.02 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 58923

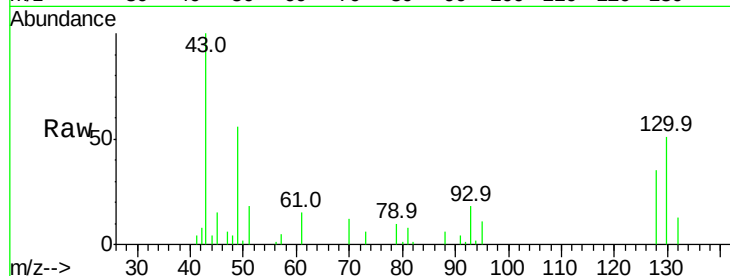
Ion Ratio Lower Upper

43 100

45 13.0 7.5 11.3#

61 12.8 7.5 11.3#

70 11.6 6.9 10.3#

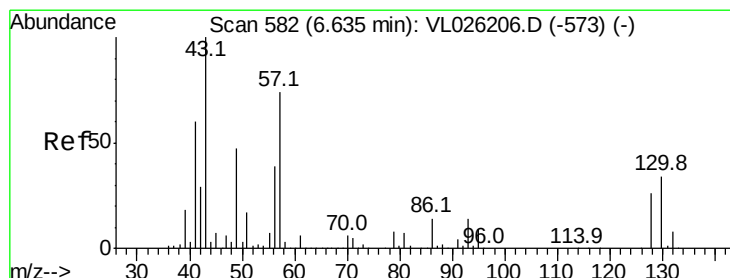
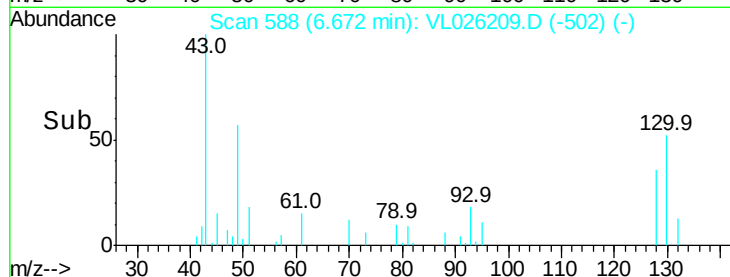
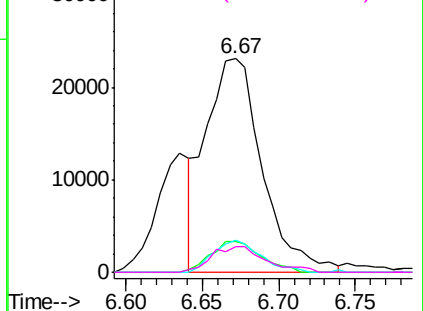


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.57 ppbv

RT: 6.63 min Scan# 582

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Tgt Ion: 57 Resp: 40011

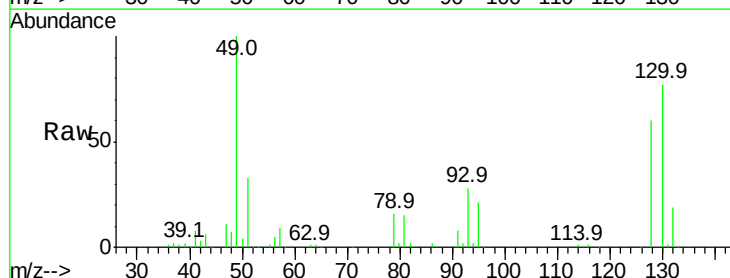
Ion Ratio Lower Upper

57 100

41 85.9 67.0 100.6

43 202.4 156.0 234.0

56 50.7 42.1 63.1

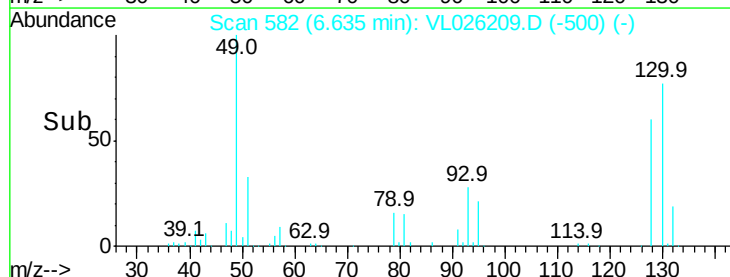
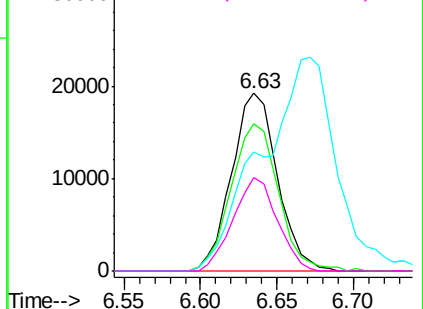


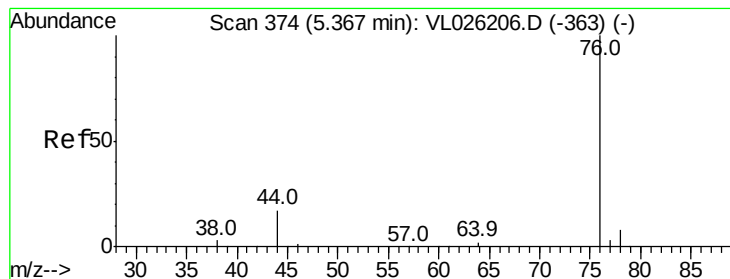
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.57 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

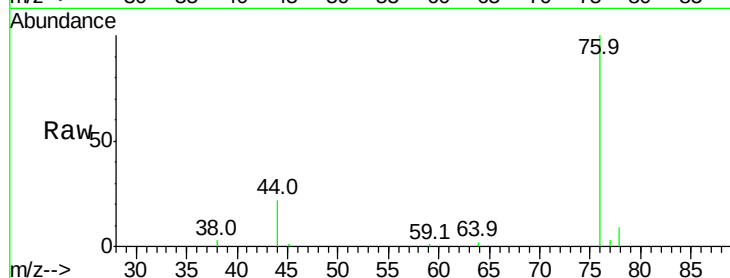
Tgt Ion: 76 Resp: 49328

Ion Ratio Lower Upper

76 100

44 22.7 13.8 20.6#

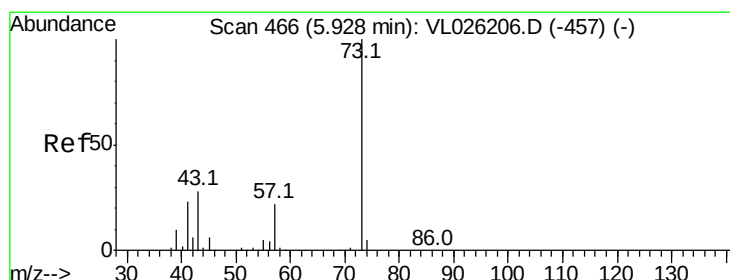
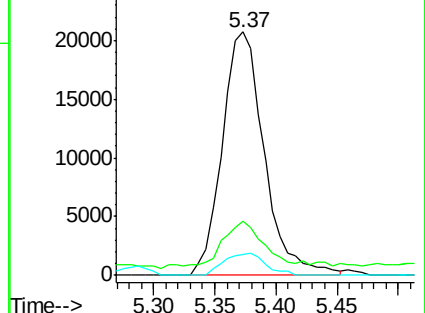
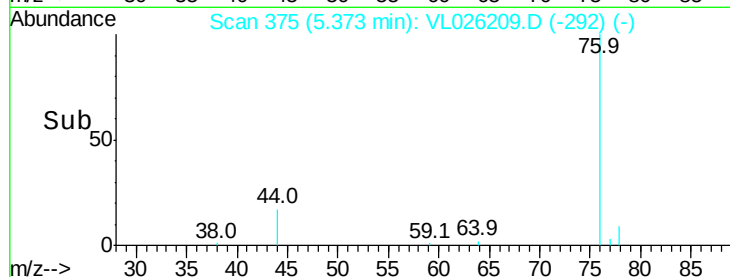
78 9.1 7.4 11.2



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: 0.62 ppbv

RT: 5.96 min Scan# 471

Delta R.T. 0.03 min

Lab File: VL026209.D

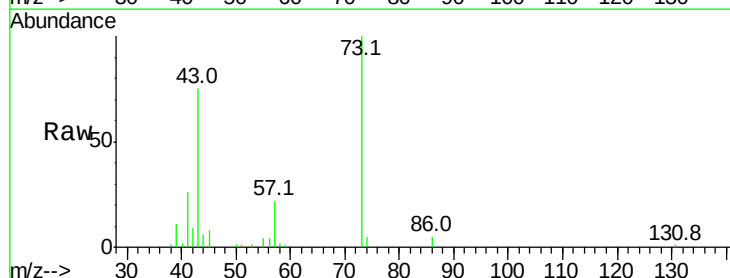
Acq: 20 Oct 2015 12:32

Tgt Ion: 73 Resp: 72128

Ion Ratio Lower Upper

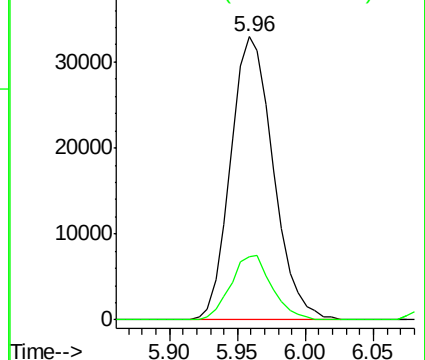
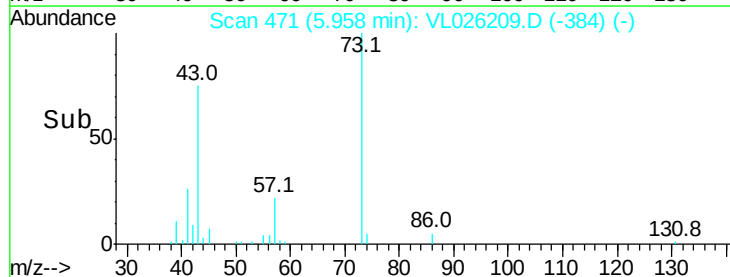
73 100

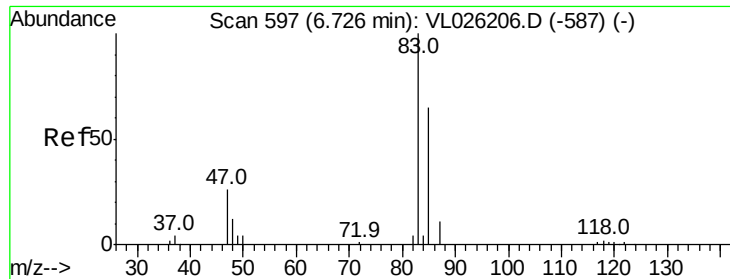
57 22.0 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.55 ppbv

RT: 6.72 min Scan# 596

Delta R.T. -0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

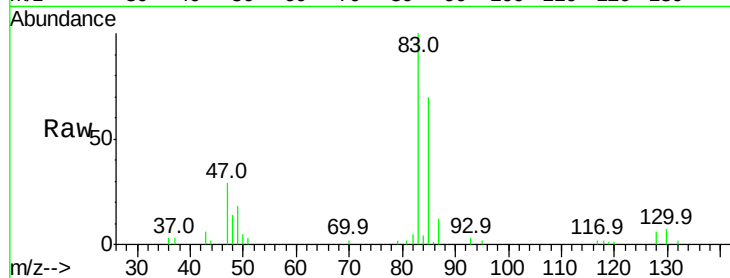
VSTDIC0.5

Tgt Ion: 83 Resp: 56978

Ion Ratio Lower Upper

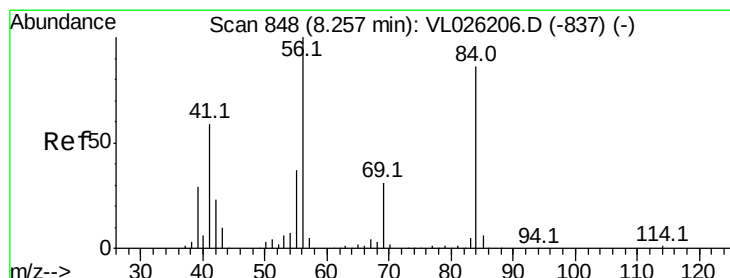
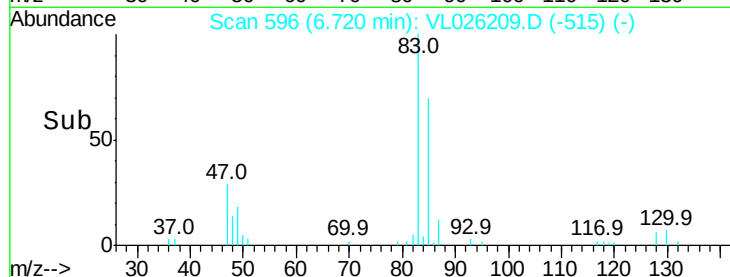
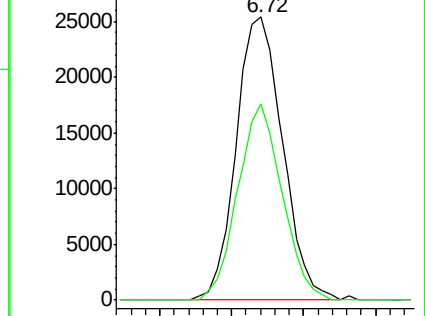
83 100

85 69.6 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.60 ppbv

RT: 8.26 min Scan# 848

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

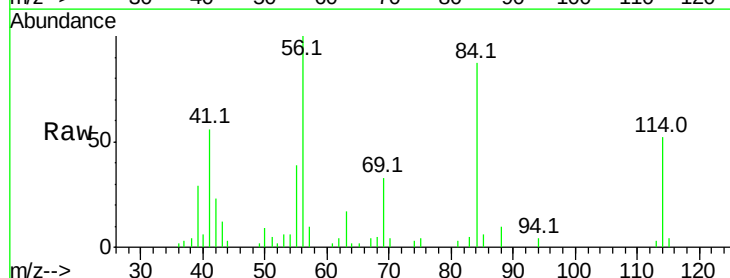
Tgt Ion: 84 Resp: 40686

Ion Ratio Lower Upper

84 100

56 192.1 97.5 146.3#

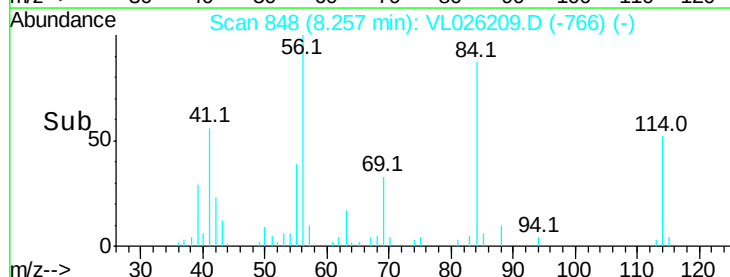
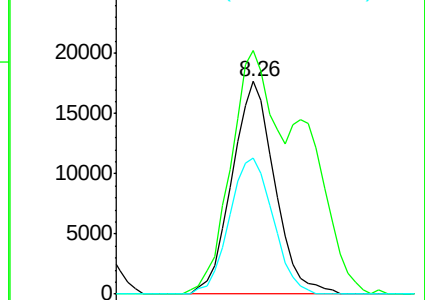
41 65.3 54.6 81.8

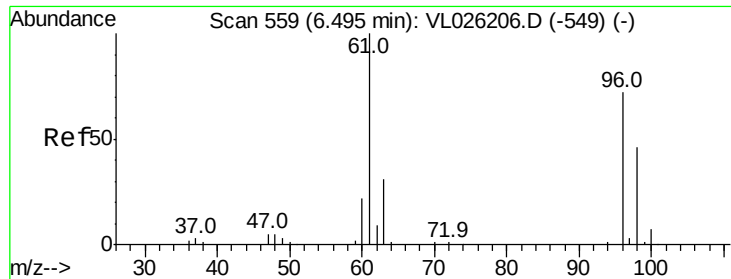


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.56 ppbv

RT: 6.49 min Scan# 558

Delta R.T. -0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

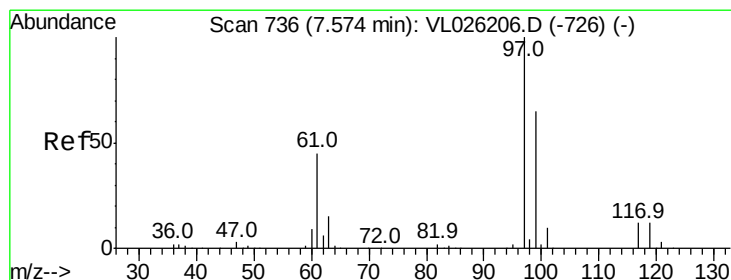
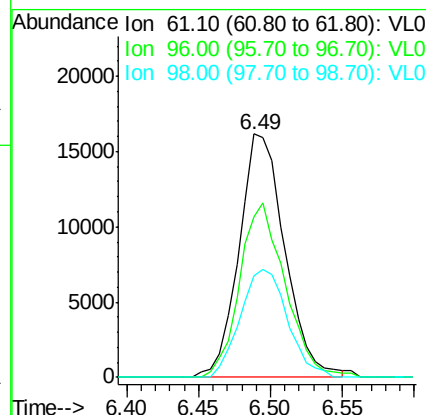
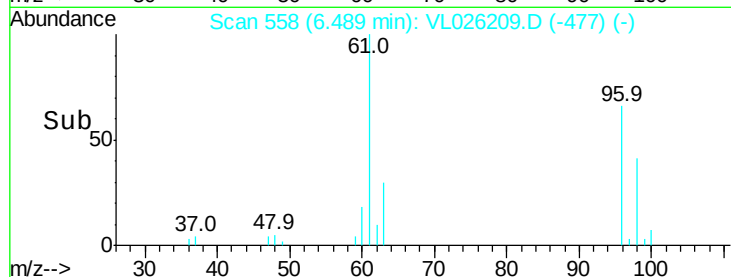
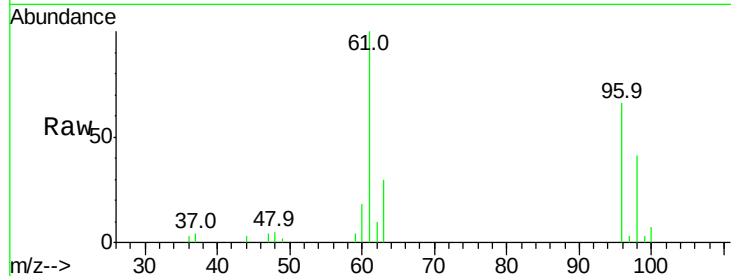
Tgt Ion: 61 Resp: 35621

Ion Ratio Lower Upper

61 100

96 65.7 57.9 86.9

98 41.5 37.2 55.8



#32

1,1,1-Trichloroethane

Concen: 0.62 ppbv

RT: 7.57 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

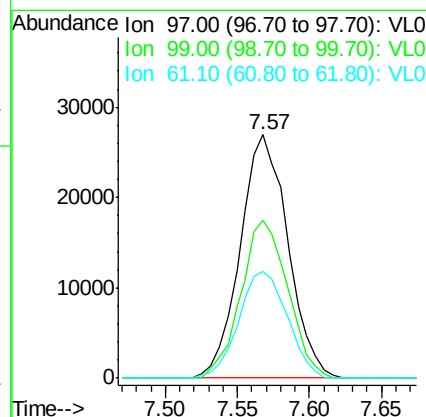
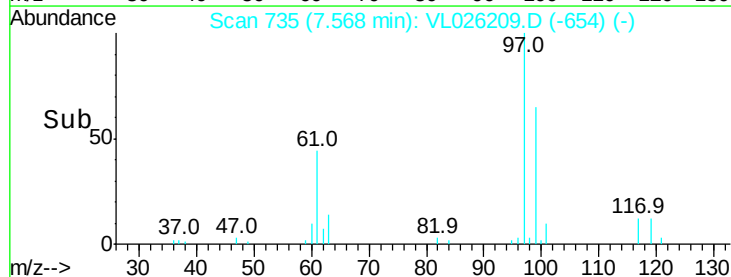
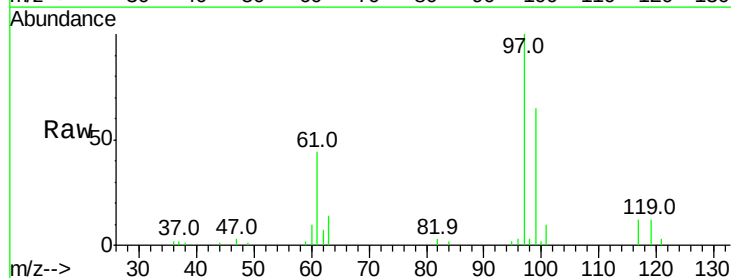
Tgt Ion: 97 Resp: 61829

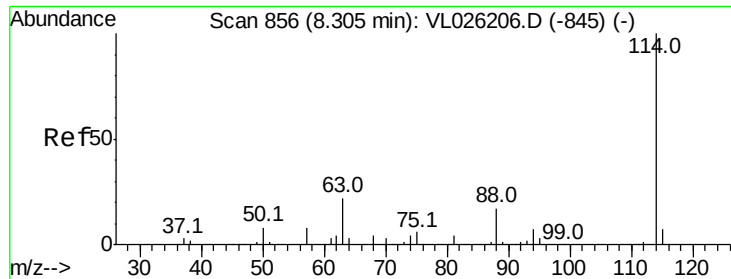
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.2

61 44.6 36.0 54.0

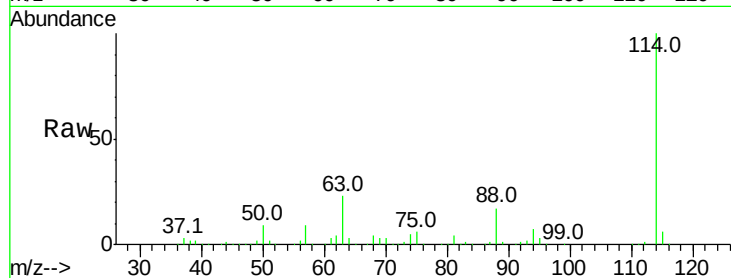




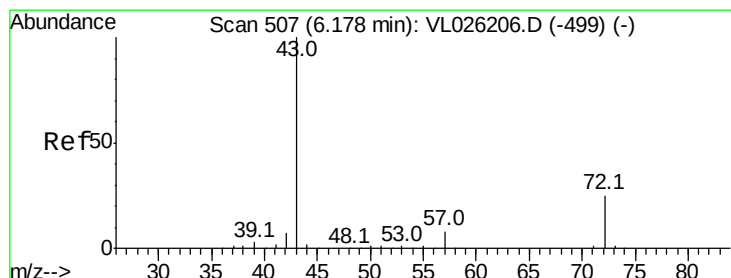
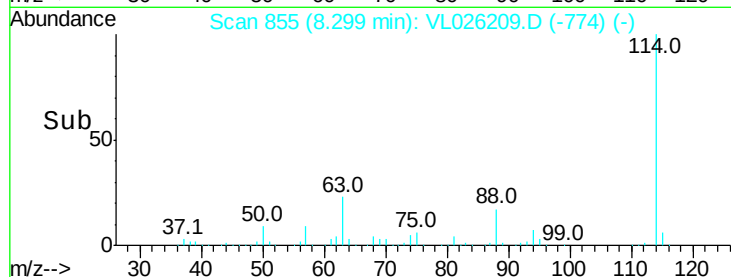
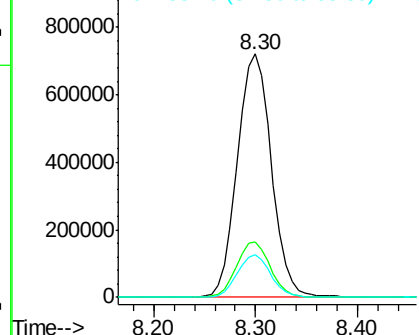
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 114 Resp: 1674743
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.9 26.9
 88 17.1 13.6 20.4

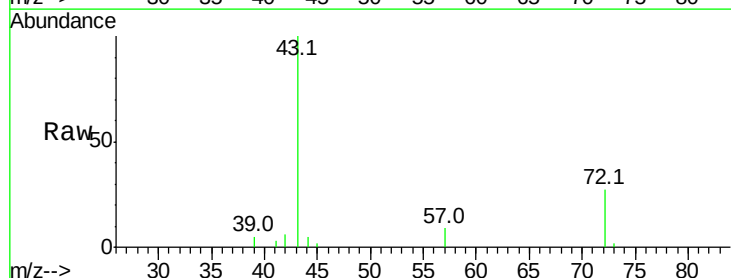


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

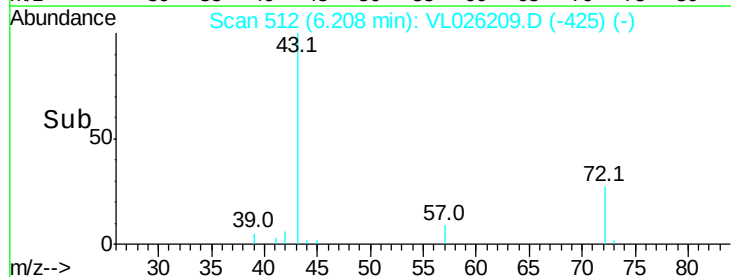
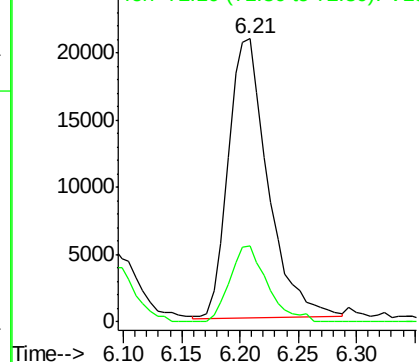


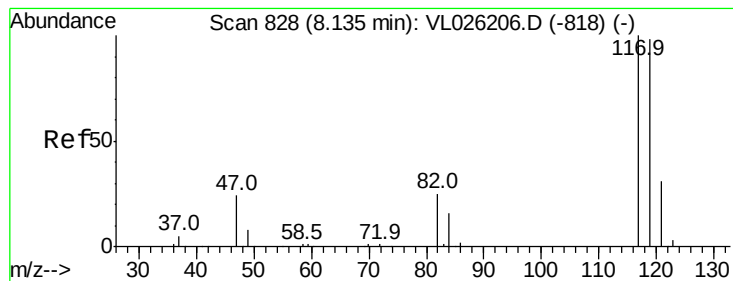
#34
 2-Butanone
 Concen: 0.53 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. 0.03 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion: 43 Resp: 48896
 Ion Ratio Lower Upper
 43 100
 72 25.8 20.2 30.4



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





#35

Carbon Tetrachloride

Concen: 0.60 ppbv

RT: 8.13 min Scan# 828

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

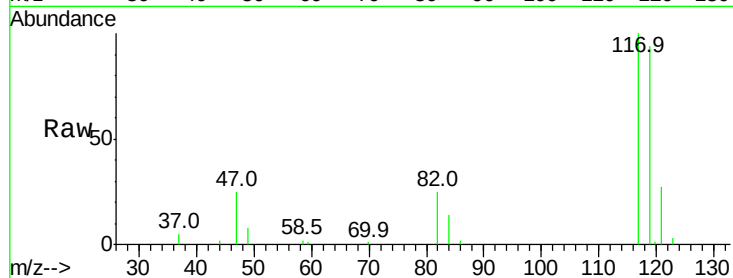
Tgt Ion:117 Resp: 64122

Ion Ratio Lower Upper

117 100

119 94.3 78.3 117.5

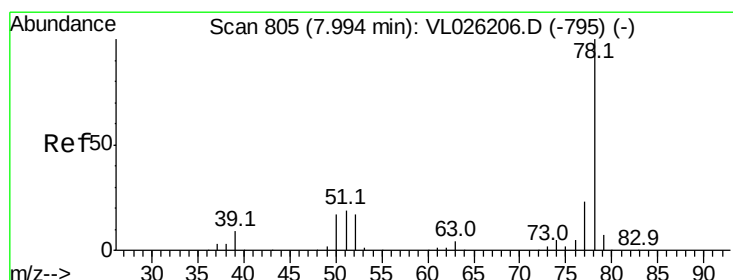
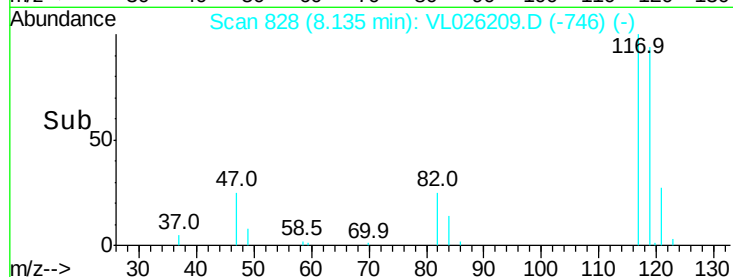
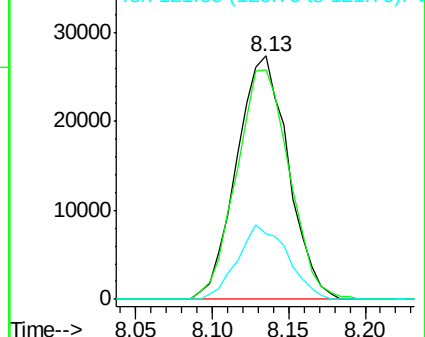
121 27.2 25.0 37.6



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: 0.56 ppbv

RT: 7.99 min Scan# 805

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

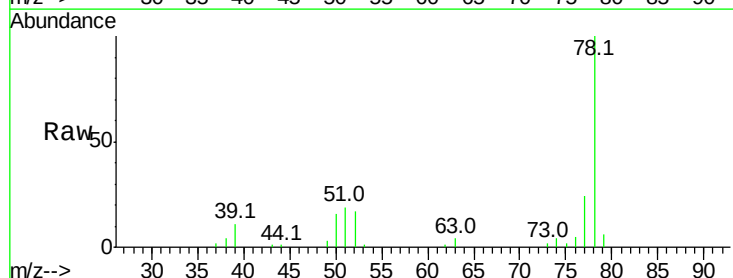
Tgt Ion: 78 Resp: 89515

Ion Ratio Lower Upper

78 100

77 24.1 18.1 27.1

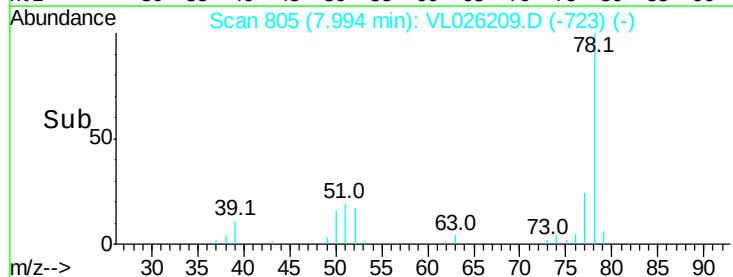
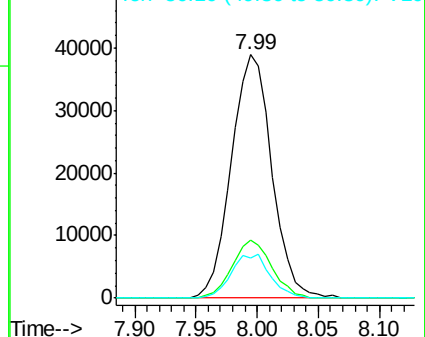
50 16.3 13.4 20.0

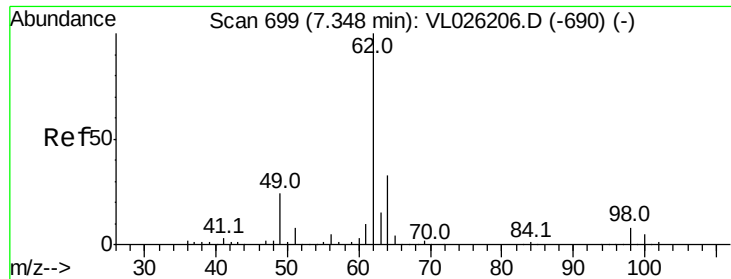


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

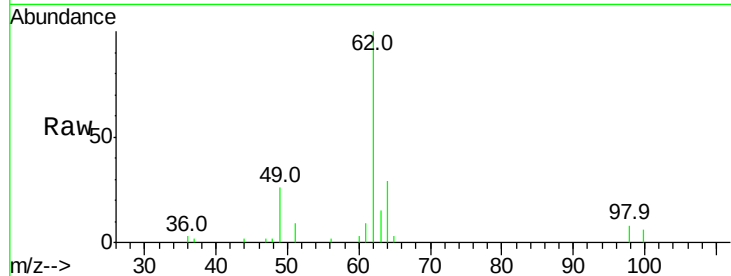




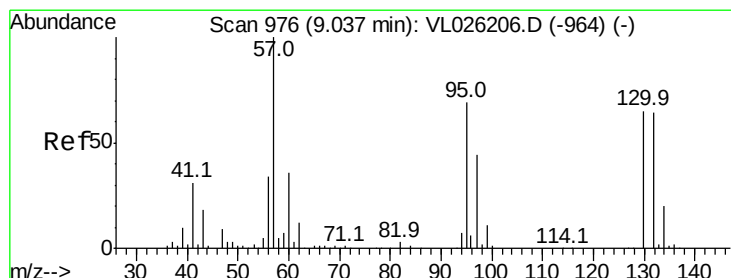
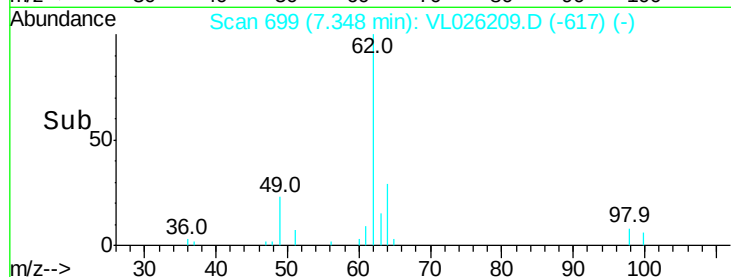
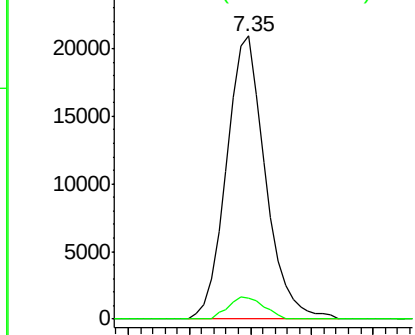
#37
 1,2-Dichloroethane
 Concen: 0.54 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 46061
 Ion Ratio Lower Upper
 62 100
 98 7.1 6.2 9.4

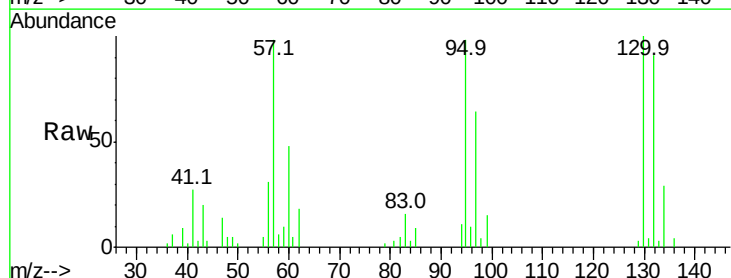


Abundance Ion 62.10 (61.80 to 62.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

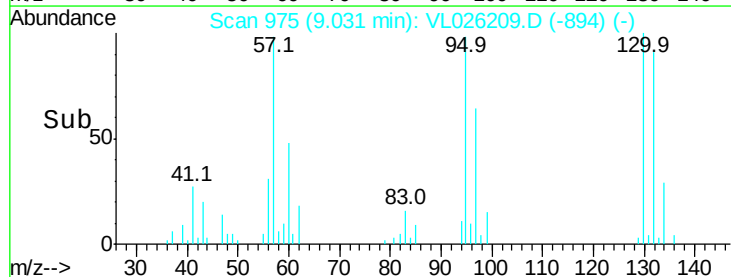
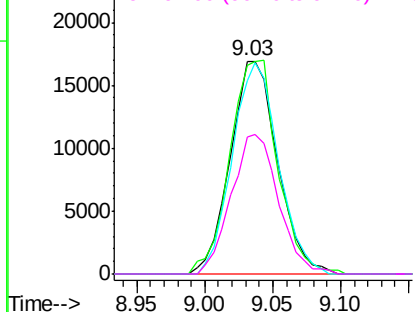


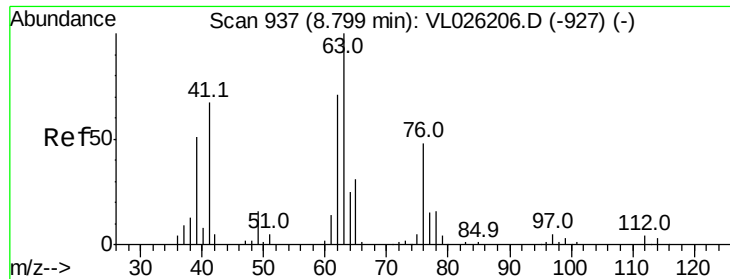
#38
 Trichloroethene
 Concen: 0.56 ppbv
 RT: 9.03 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion:130 Resp: 41154
 Ion Ratio Lower Upper
 130 100
 95 97.8 84.2 126.2
 132 90.6 78.5 117.7
 97 64.4 53.7 80.5



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: 0.54 ppbv

RT: 8.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

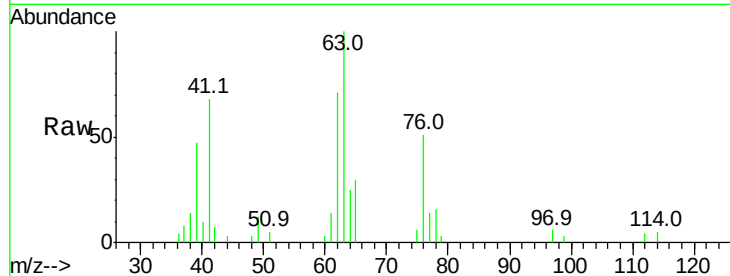
Tgt Ion: 63 Resp: 31728

Ion Ratio Lower Upper

63 100

41 67.5 54.0 81.0

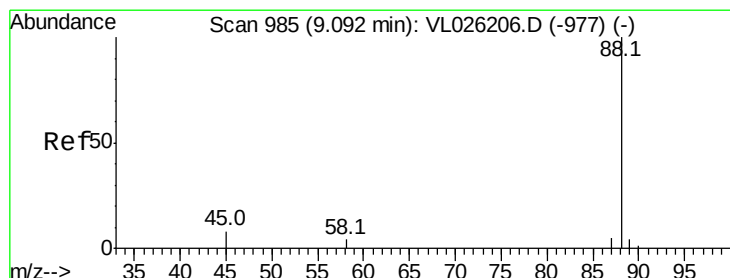
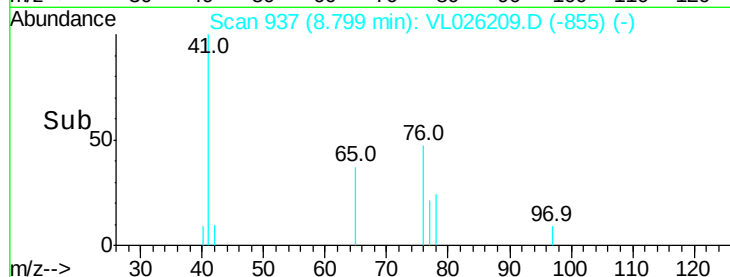
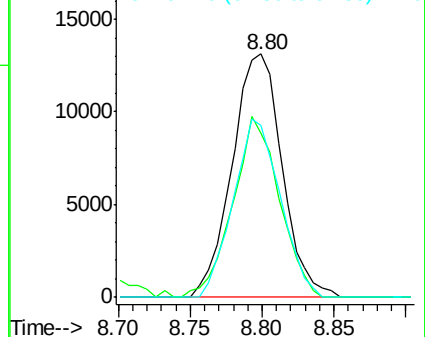
62 70.8 56.7 85.1



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: 0.27 ppbv

RT: 9.19 min Scan# 1001

Delta R.T. 0.10 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Tgt Ion: 88 Resp: 3027

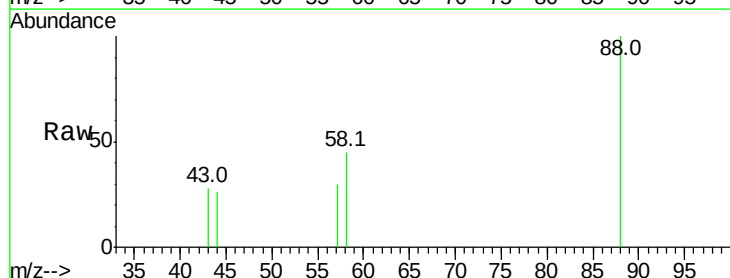
Ion Ratio Lower Upper

88 100

58 137.9 115.9 173.9

43 0.0 279.4 419.0#

57 0.0 1404.1 2106.1#

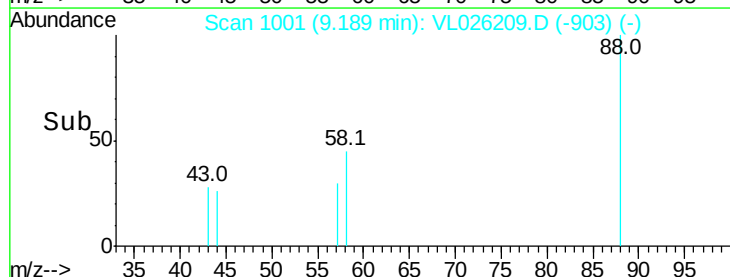
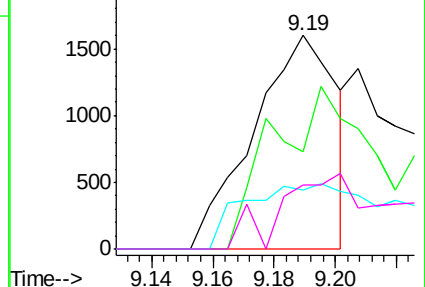


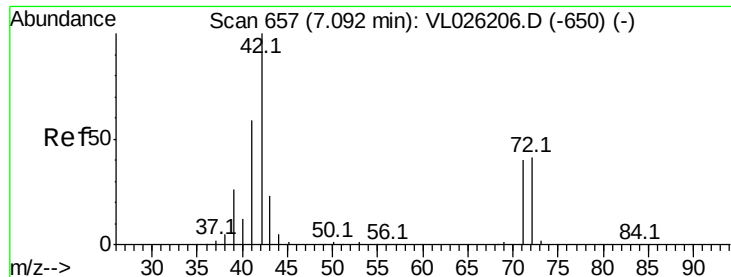
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.53 ppbv

RT: 7.14 min Scan# 665

Delta R.T. 0.05 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

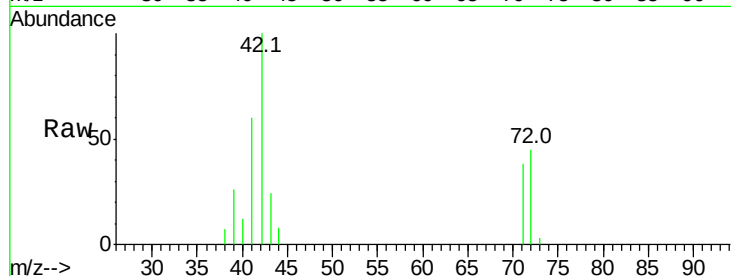
Tgt Ion: 42 Resp: 27305

Ion Ratio Lower Upper

42 100

72 41.6 33.8 50.6

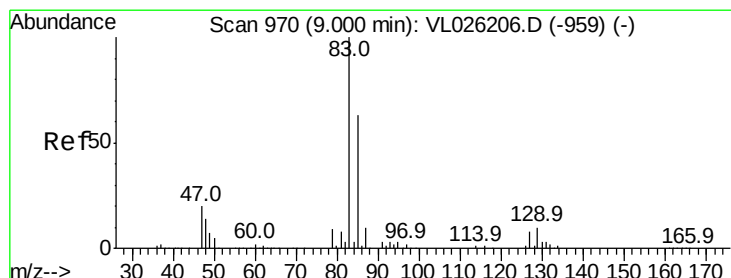
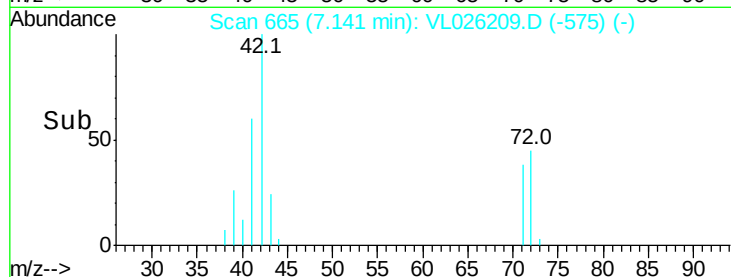
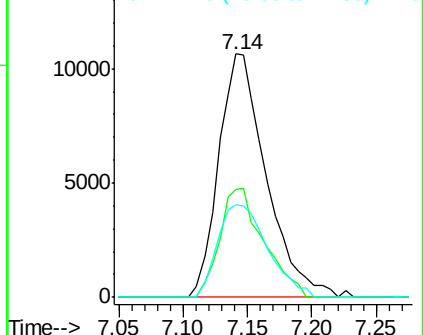
71 40.1 32.3 48.5



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: 0.57 ppbv

RT: 8.99 min Scan# 969

Delta R.T. -0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

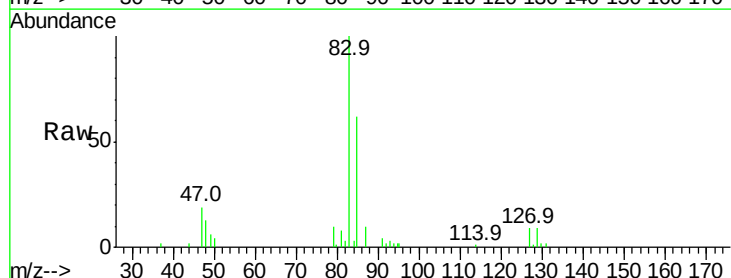
Tgt Ion: 83 Resp: 64805

Ion Ratio Lower Upper

83 100

85 62.1 50.6 75.8

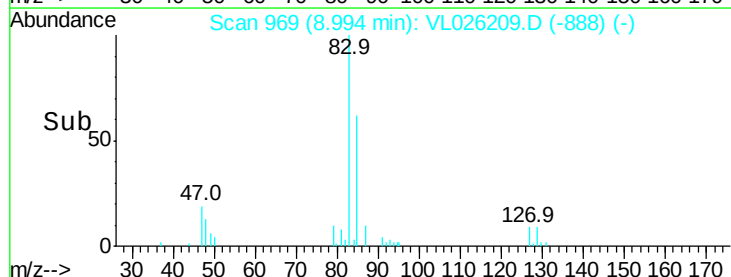
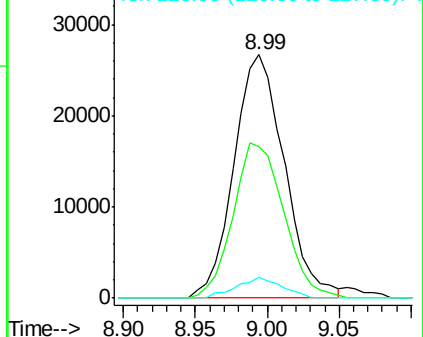
127 8.6 6.5 9.7

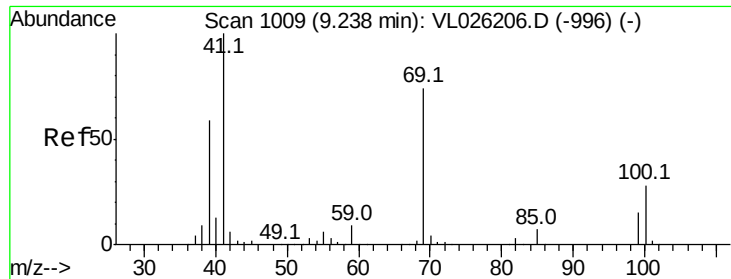


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

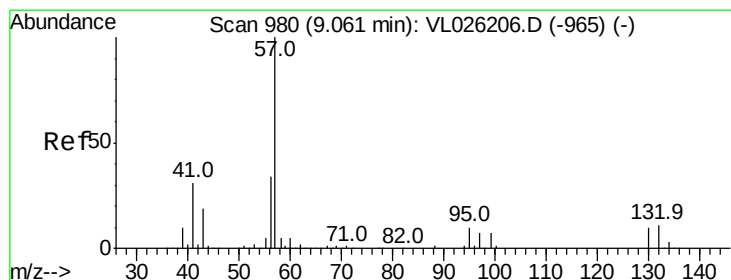
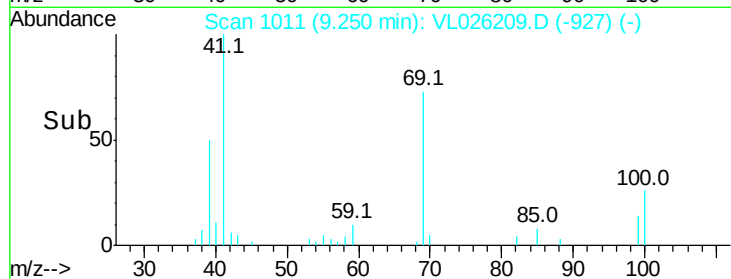
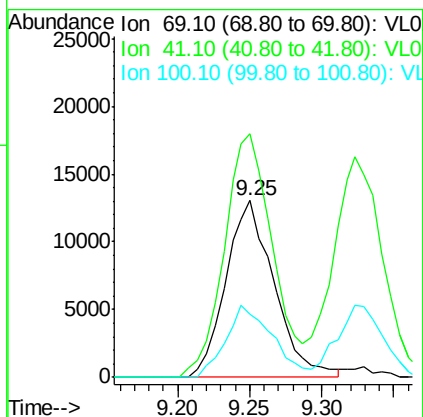
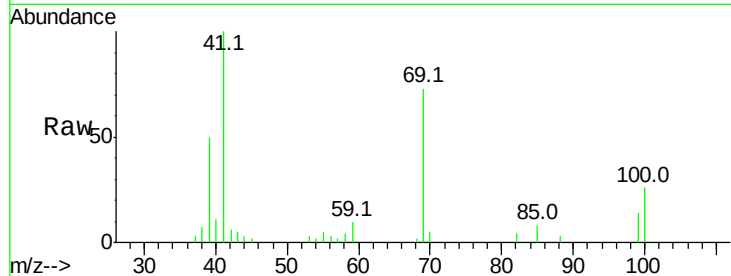




#43
Methyl Methacrylate
Concen: 0.54 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

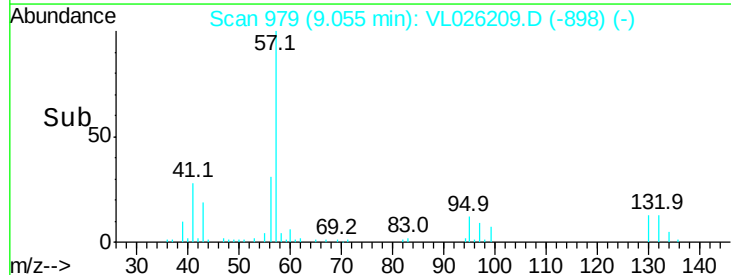
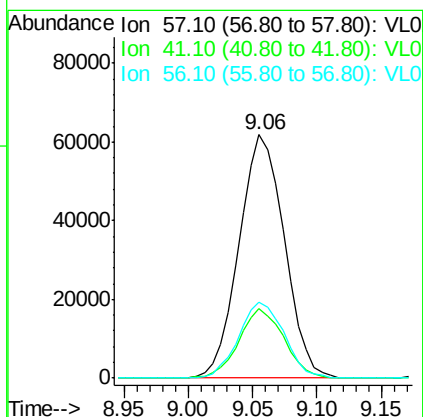
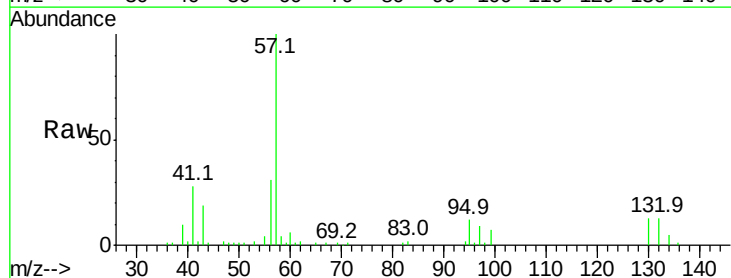
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

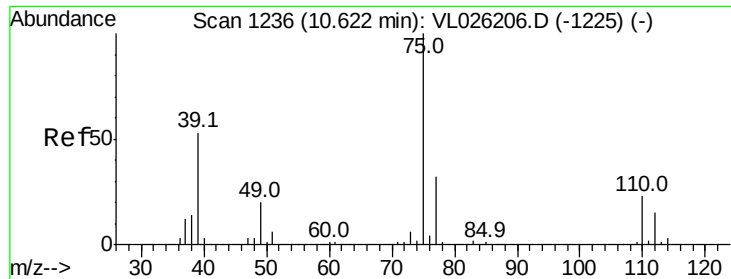
Tgt Ion: 69 Resp: 30519
Ion Ratio Lower Upper
69 100
41 134.0 109.0 163.4
100 37.8 31.0 46.6



#44
2,2,4-Trimethylpentane
Concen: 0.57 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

Tgt Ion: 57 Resp: 150917
Ion Ratio Lower Upper
57 100
41 28.3 24.0 36.0
56 31.4 26.6 39.8





#45

t-1,3-Dichloropropene

Concen: 0.59 ppbv

RT: 10.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

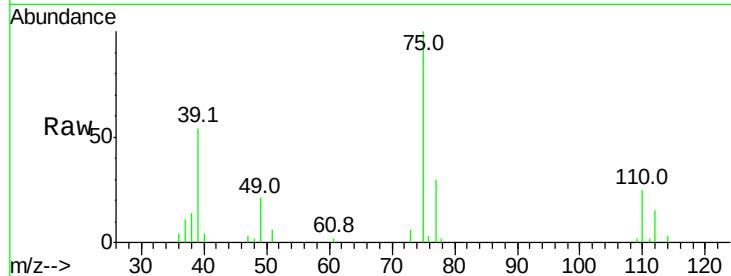
VSTDIC0.5

Tgt Ion: 75 Resp: 46963

Ion Ratio Lower Upper

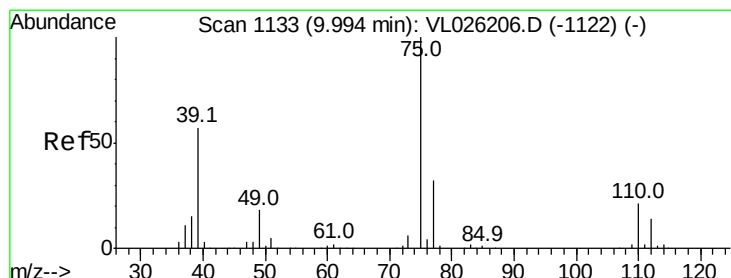
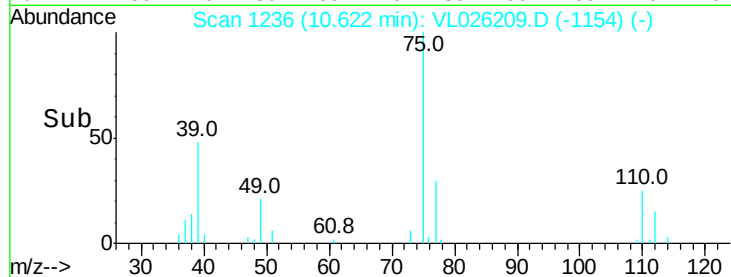
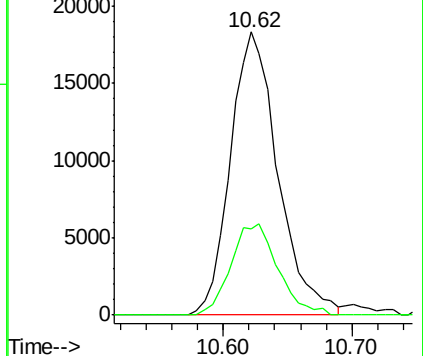
75 100

77 30.3 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: 0.59 ppbv

RT: 9.99 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

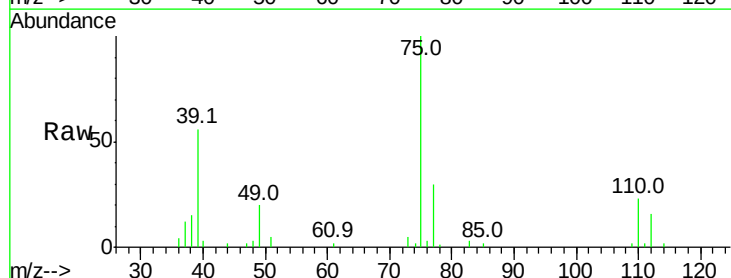
Tgt Ion: 75 Resp: 57220

Ion Ratio Lower Upper

75 100

39 55.7 45.3 67.9

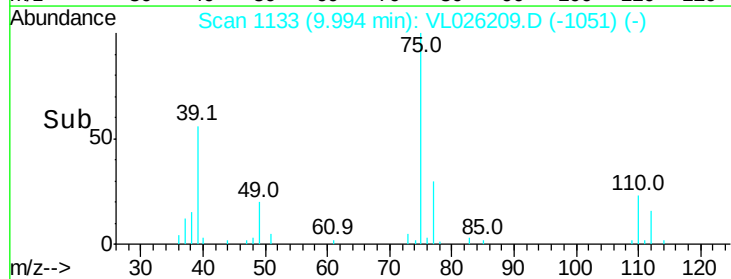
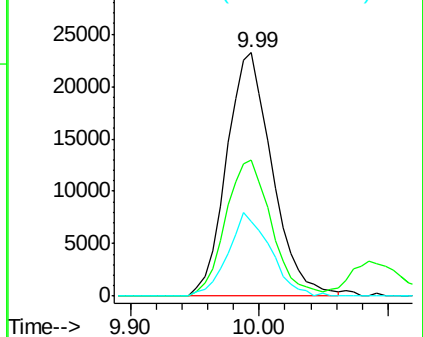
77 30.5 25.3 37.9

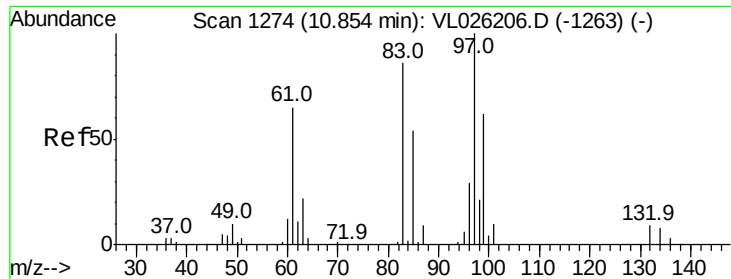


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

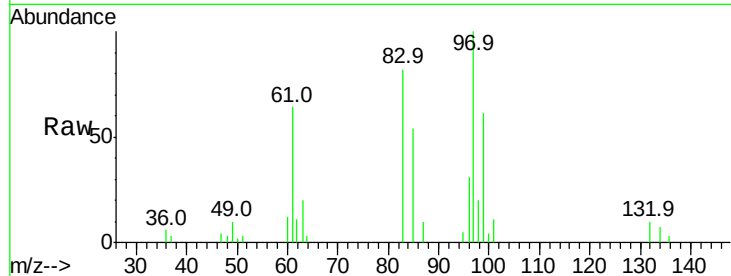




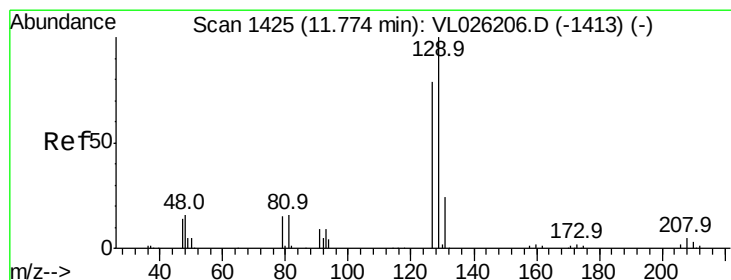
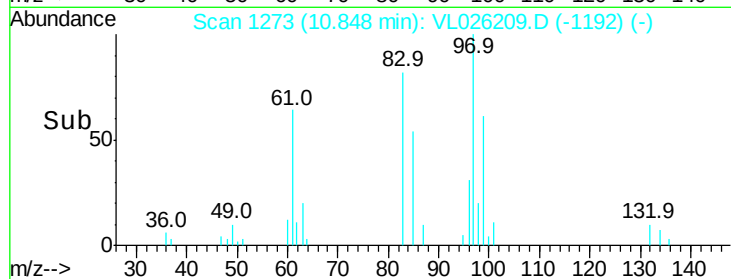
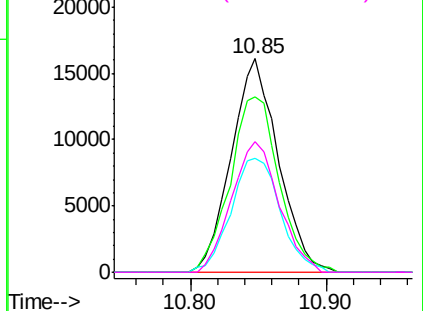
#47
 1,1,2-Trichloroethane
 Concen: 0.54 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 97 Resp: 38812
 Ion Ratio Lower Upper
 97 100
 83 82.1 68.6 103.0
 85 53.5 43.5 65.3
 99 61.0 49.4 74.2

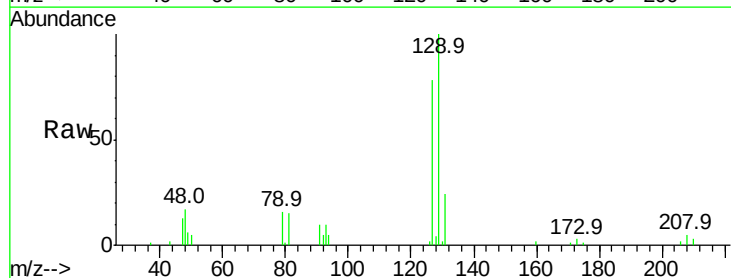


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

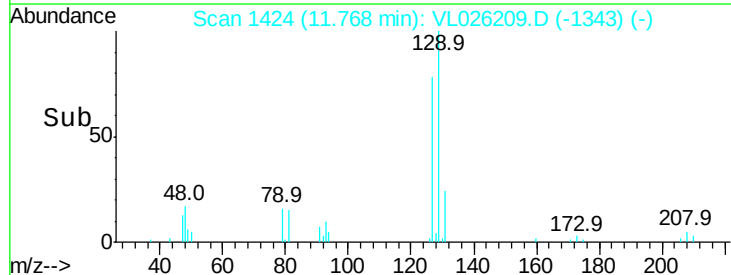
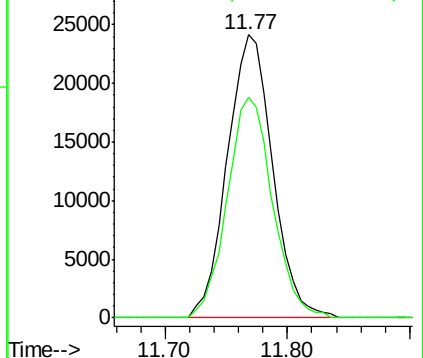


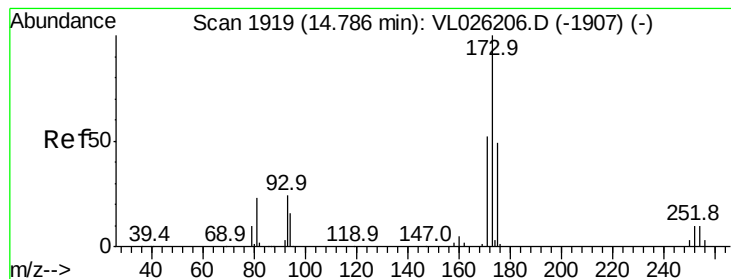
#48
 Dibromochloromethane
 Concen: 0.60 ppbv
 RT: 11.77 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion: 129 Resp: 62157
 Ion Ratio Lower Upper
 129 100
 127 77.5 39.2 117.6



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





#49

Bromoform

Concen: 0.65 ppbv

RT: 14.77 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

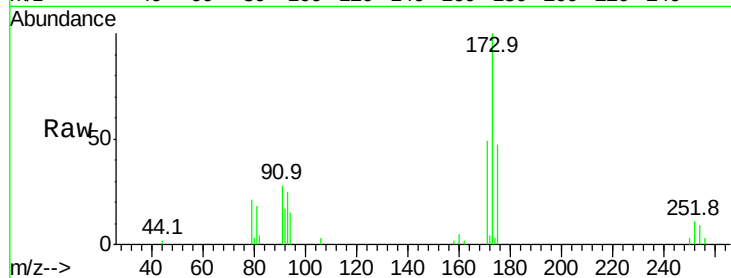
Tgt Ion:173 Resp: 51679

Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

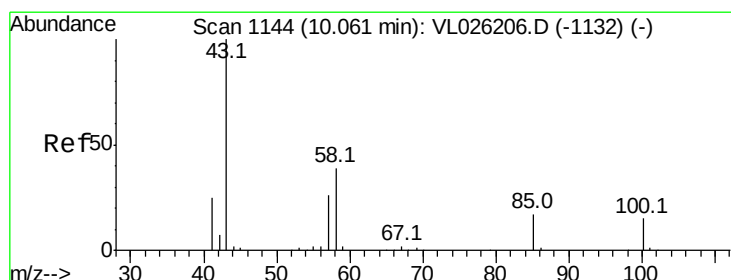
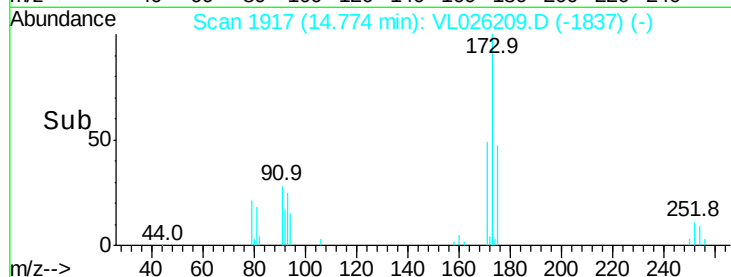
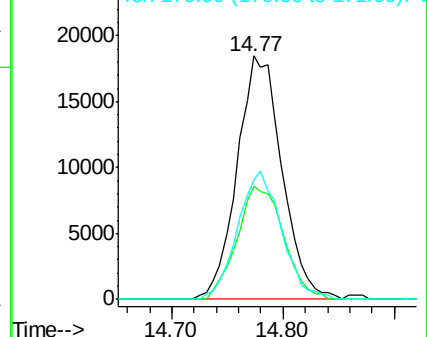
171 51.4 41.4 62.0



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: 0.52 ppbv

RT: 10.09 min Scan# 1149

Delta R.T. 0.03 min

Lab File: VL026209.D

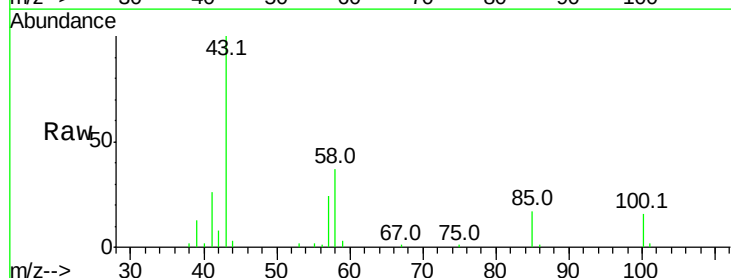
Acq: 20 Oct 2015 12:32

Tgt Ion: 43 Resp: 64161

Ion Ratio Lower Upper

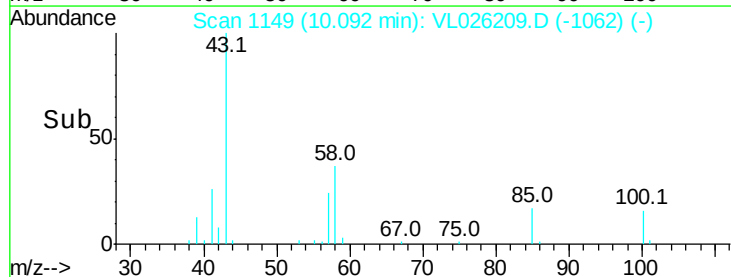
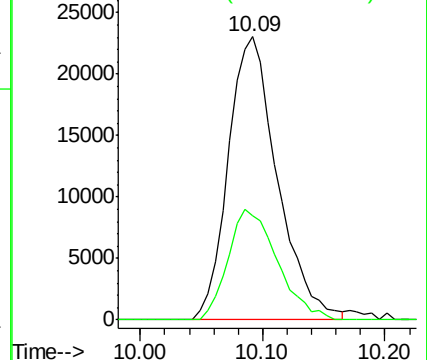
43 100

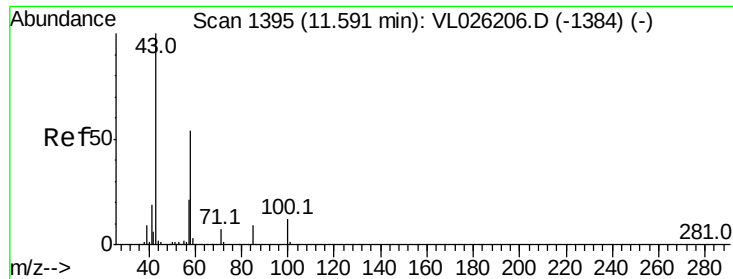
58 39.2 31.3 46.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.54 ppbv

RT: 11.62 min Scan# 1400

Delta R.T. 0.03 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

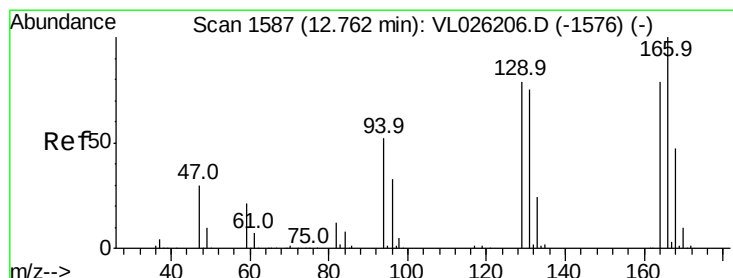
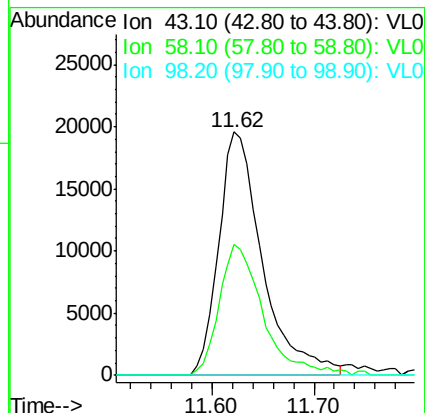
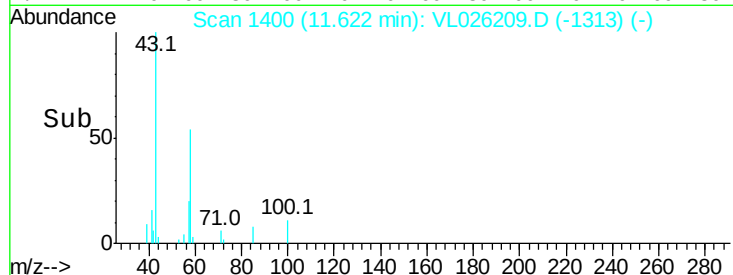
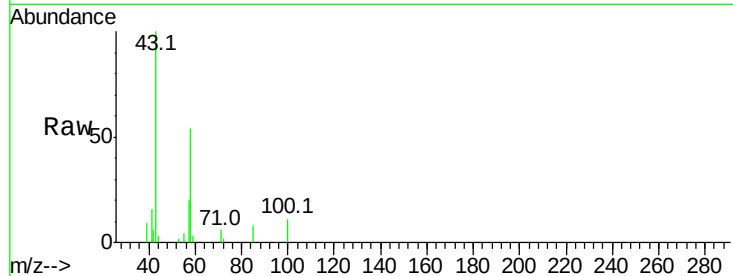
Tgt Ion: 43 Resp: 58572

Ion Ratio Lower Upper

43 100

58 54.0 43.9 65.9

98 0.0 0.1 0.1#



#52

Tetrachloroethene

Concen: 0.57 ppbv

RT: 12.76 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Tgt Ion: 164 Resp: 45762

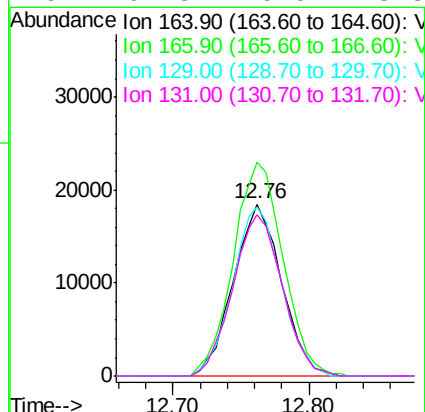
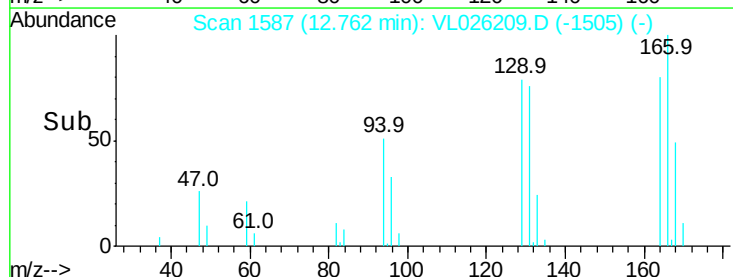
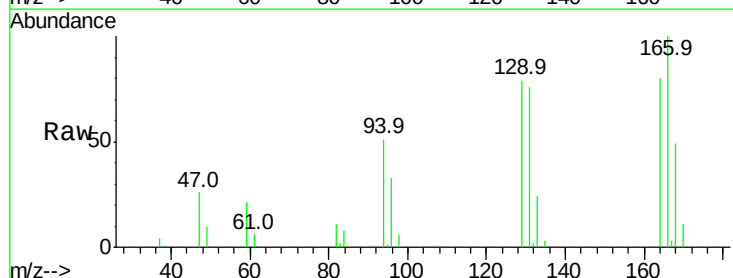
Ion Ratio Lower Upper

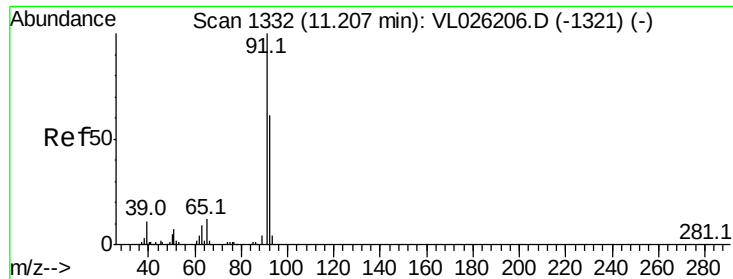
164 100

166 124.4 100.9 151.3

129 98.6 79.7 119.5

131 94.3 75.5 113.3





#53

Toluene

Concen: 0.59 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

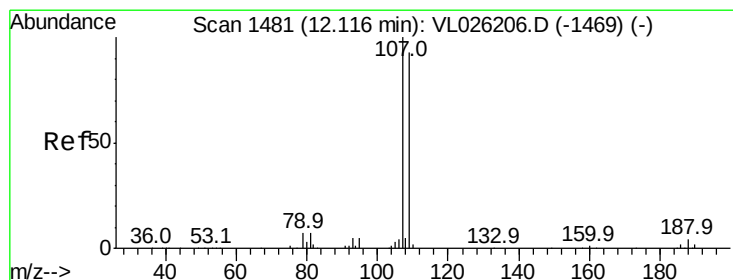
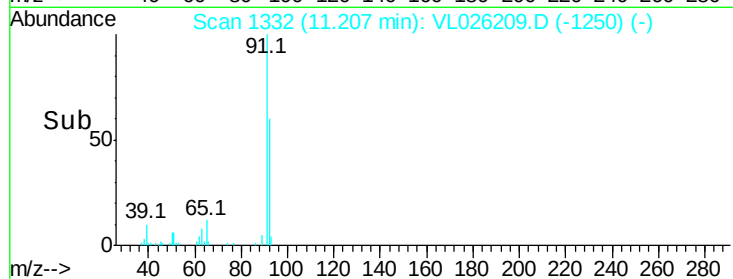
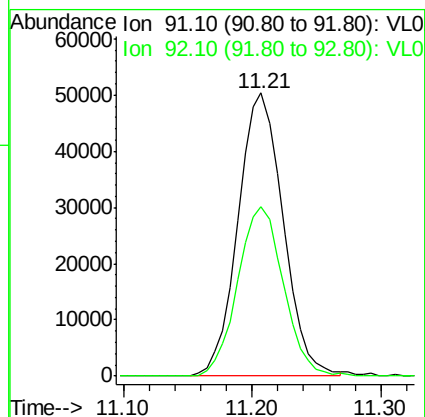
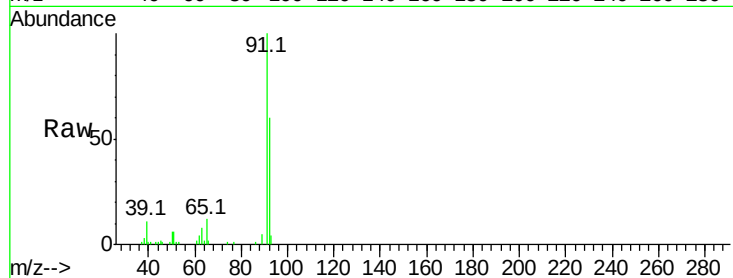
VSTDIC0.5

Tgt Ion: 91 Resp: 122547

Ion Ratio Lower Upper

91 100

92 60.7 49.0 73.6



#54

1,2-Dibromoethane

Concen: 0.56 ppbv

RT: 12.11 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VL026209.D

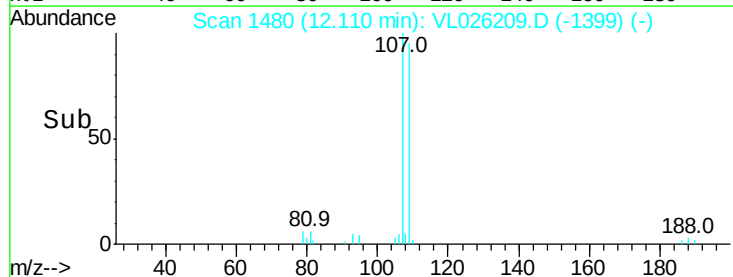
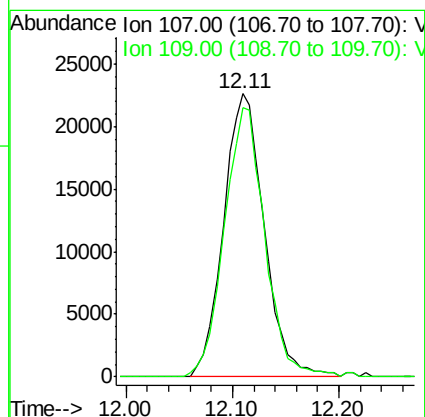
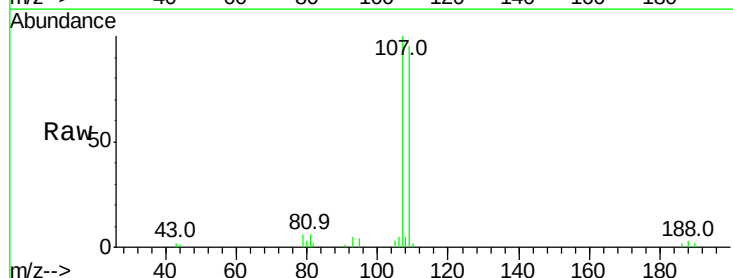
Acq: 20 Oct 2015 12:32

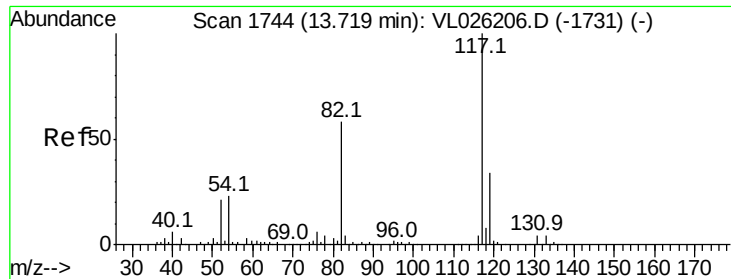
Tgt Ion: 107 Resp: 60276

Ion Ratio Lower Upper

107 100

109 95.2 74.6 112.0

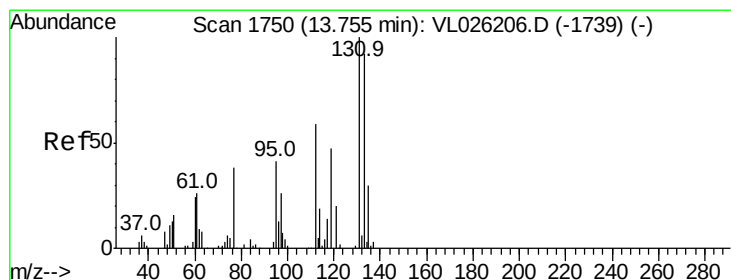
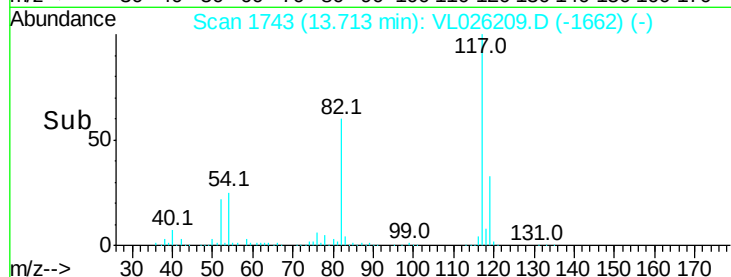
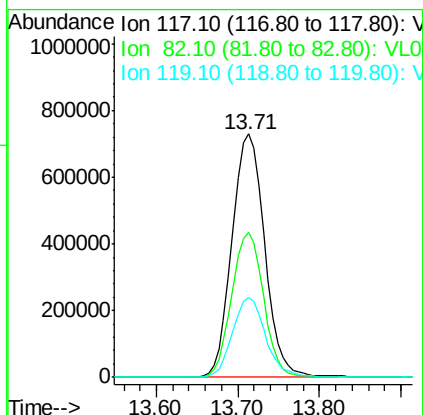
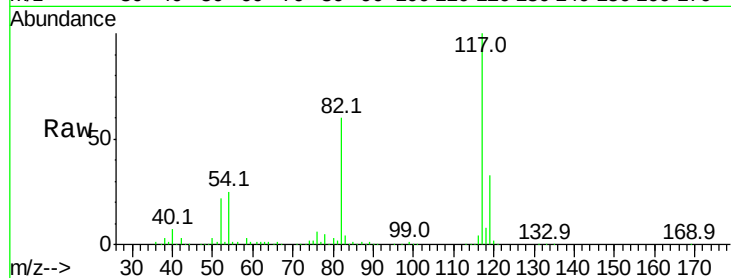




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

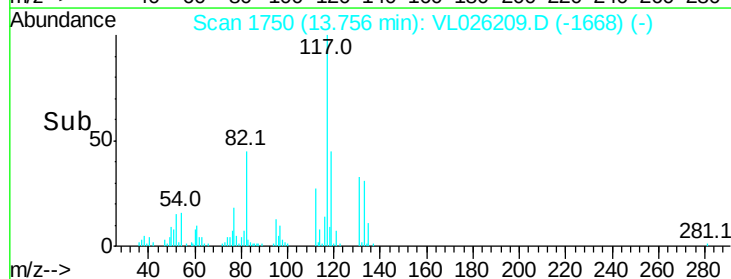
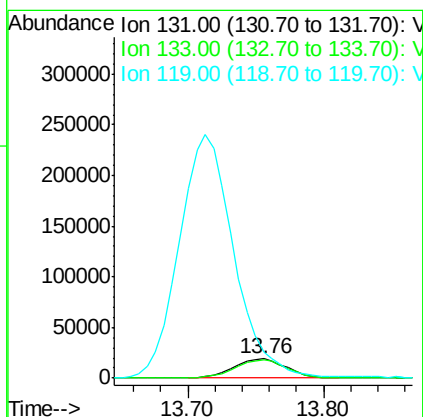
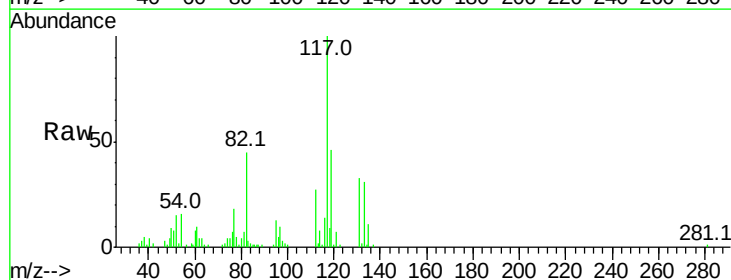
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

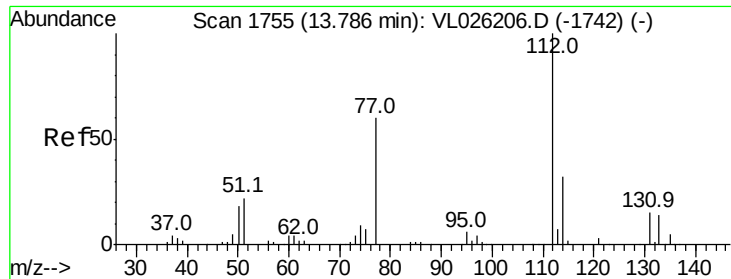
Tgt Ion:117 Resp: 2025026
Ion Ratio Lower Upper
117 100
82 58.9 46.3 69.5
119 33.4 45.0 67.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.62 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

Tgt Ion:131 Resp: 50740
Ion Ratio Lower Upper
131 100
133 95.5 76.1 114.1
119 1334.7 109.4 164.2#

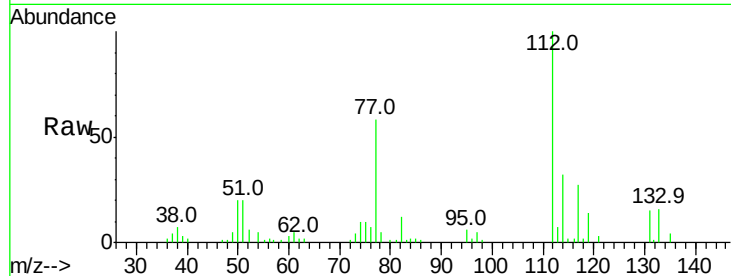




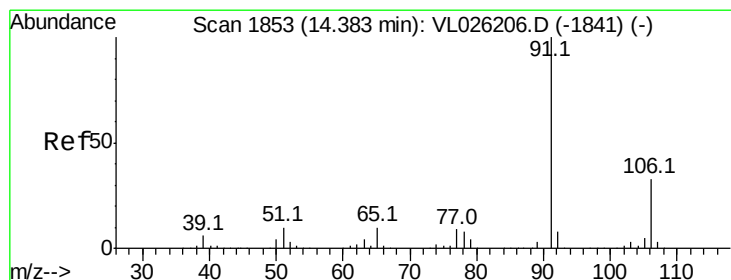
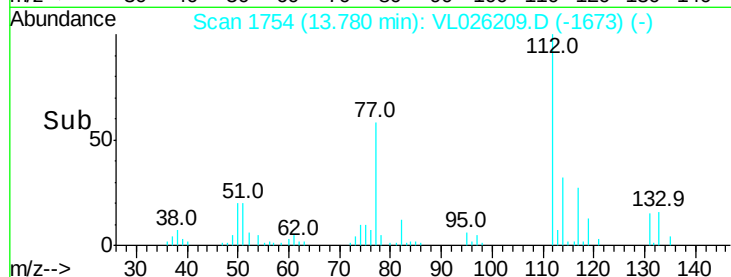
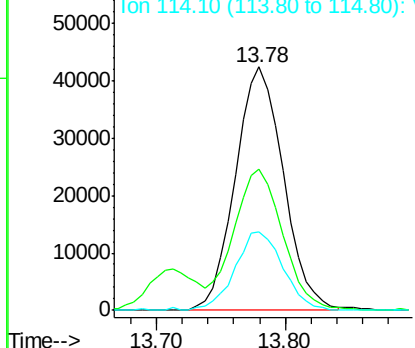
#57
Chlorobenzene
Concen: 0.60 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 109850
Ion Ratio Lower Upper
112 100
77 56.7 48.2 72.4
114 32.4 29.0 35.4

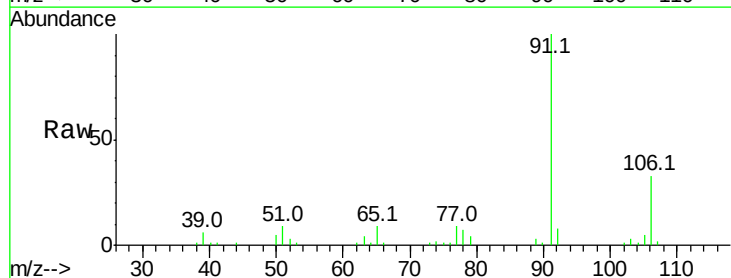


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

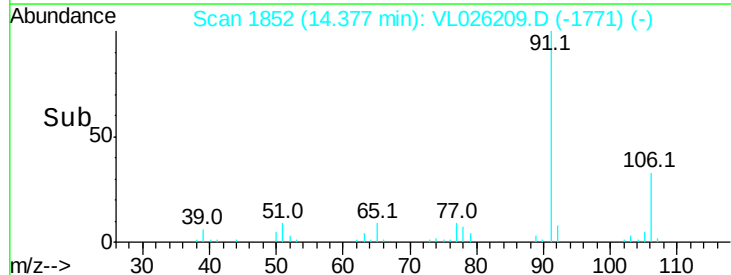
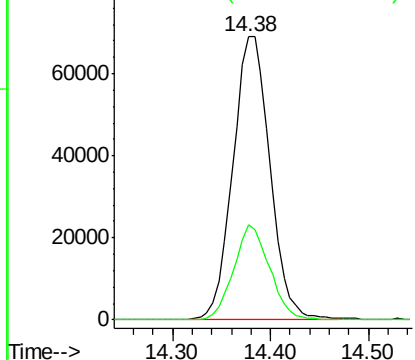


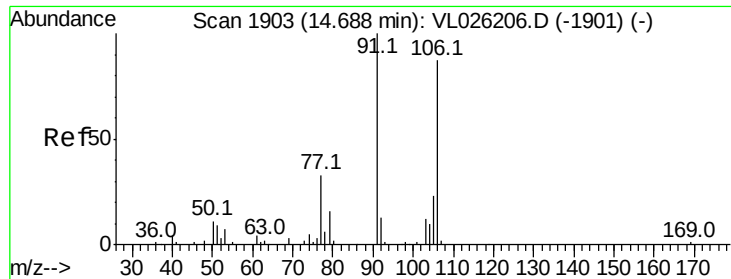
#58
Ethyl Benzene
Concen: 0.62 ppbv
RT: 14.38 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

Tgt Ion: 91 Resp: 182435
Ion Ratio Lower Upper
91 100
106 33.5 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

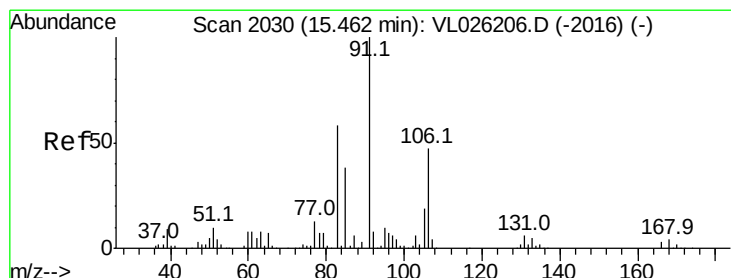
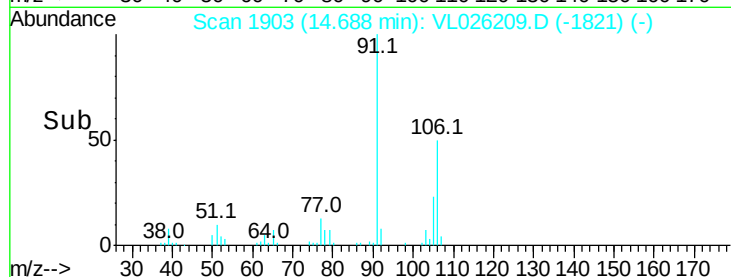
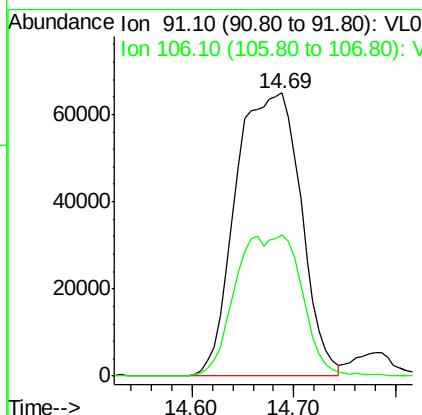
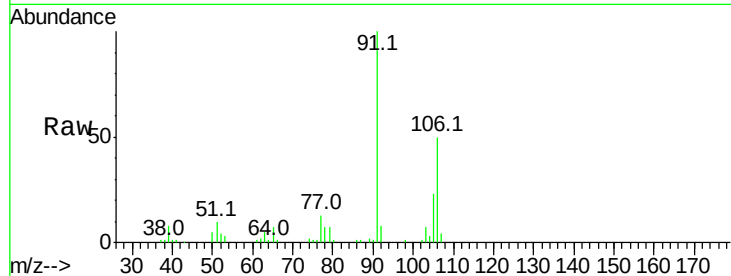




#59
m/p-Xylene
Concen: 1.20 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

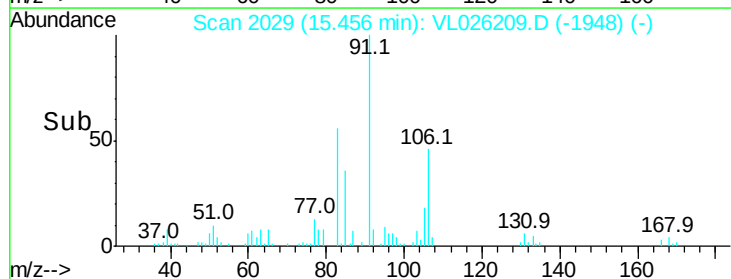
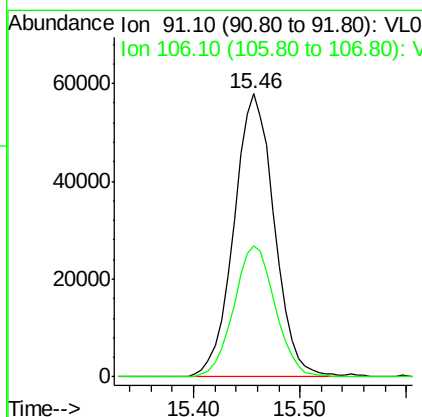
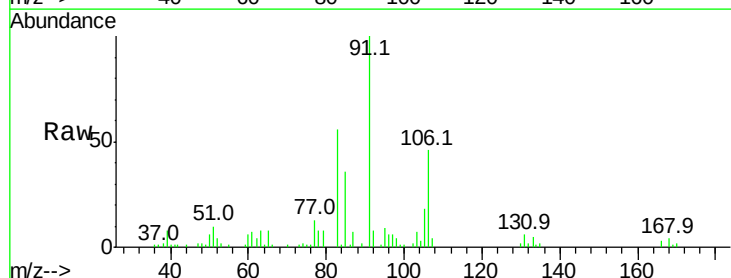
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

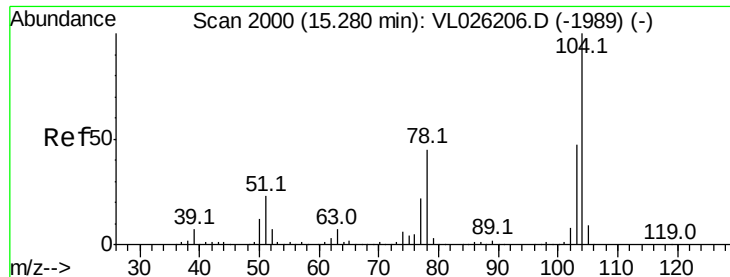
Tgt Ion: 91 Resp: 286957
Ion Ratio Lower Upper
91 100
106 50.8 40.6 60.8



#60
o-Xylene
Concen: 0.62 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

Tgt Ion: 91 Resp: 154012
Ion Ratio Lower Upper
91 100
106 47.3 23.6 71.0

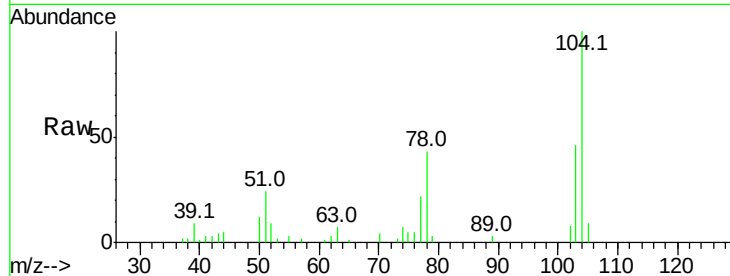




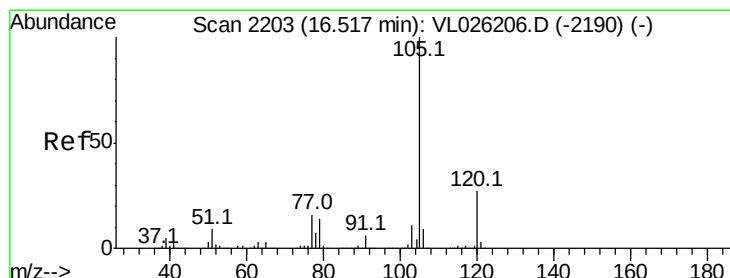
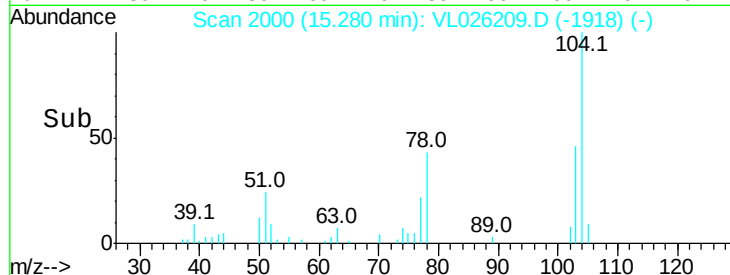
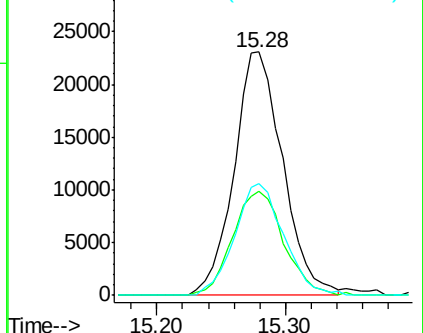
#61
Styrene
 Concen: 0.59 ppbv
 RT: 15.28 min Scan# 2000
 Delta R.T. 0.00 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:104 Resp: 60524
 Ion Ratio Lower Upper
 104 100
 78 45.0 35.6 53.4
 103 46.3 37.1 55.7

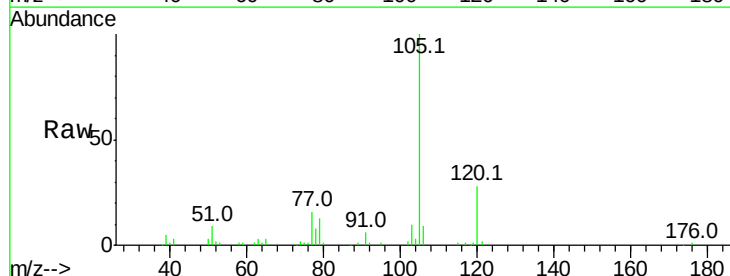


Abundance Ion 104.10 (103.80 to 104.80): V
 Ion 78.10 (77.80 to 78.80): V
 Ion 103.10 (102.80 to 103.80): V

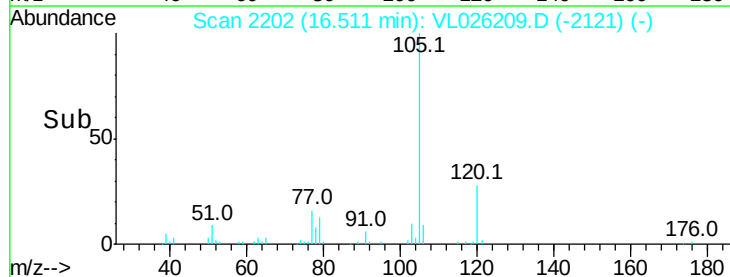
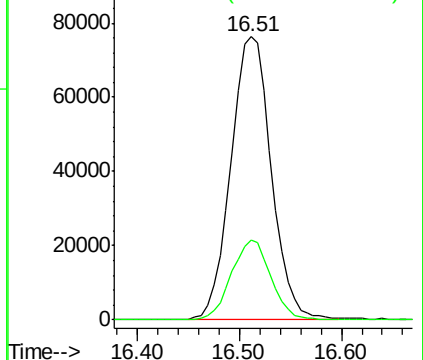


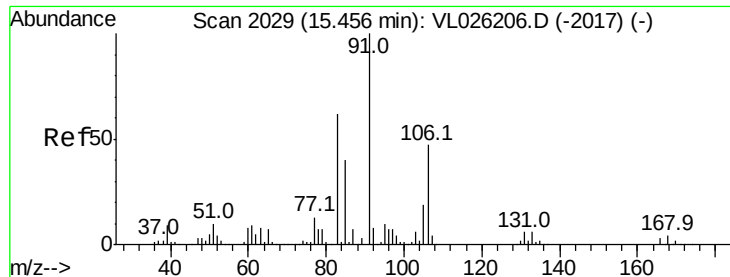
#62
Isopropylbenzene
 Concen: 0.63 ppbv
 RT: 16.51 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion:105 Resp: 210073
 Ion Ratio Lower Upper
 105 100
 120 27.3 21.8 32.6



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

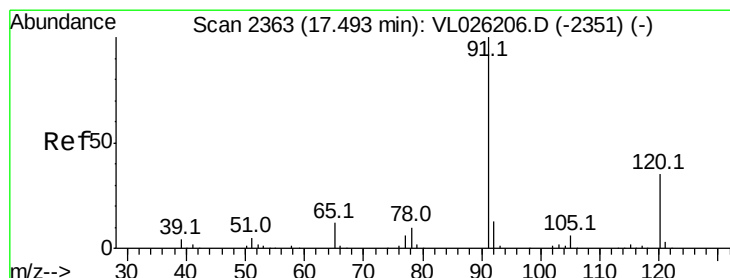
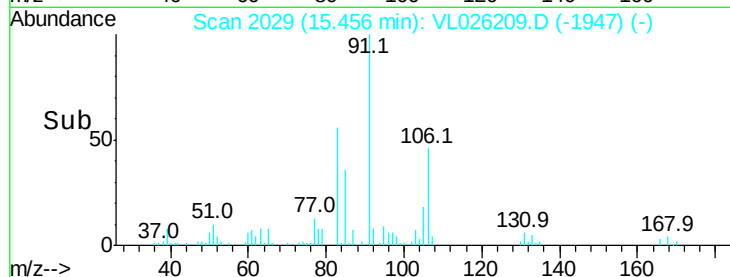
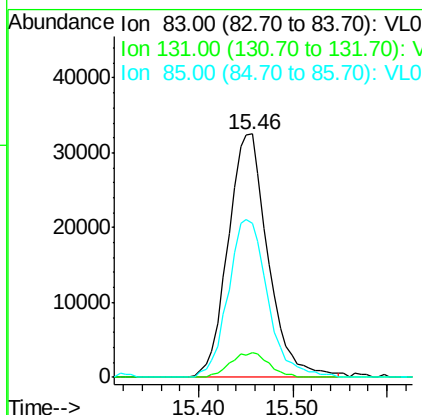
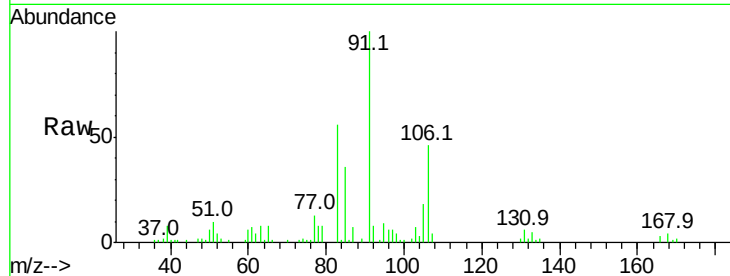




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.52 ppbv
 RT: 15.46 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

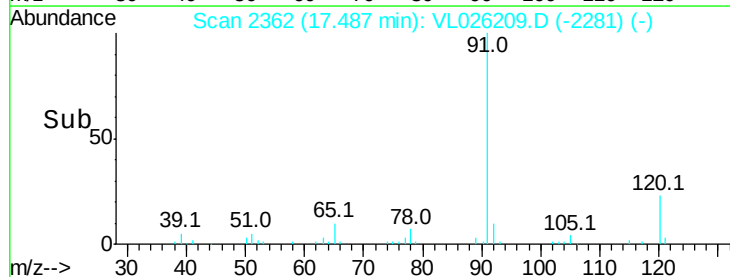
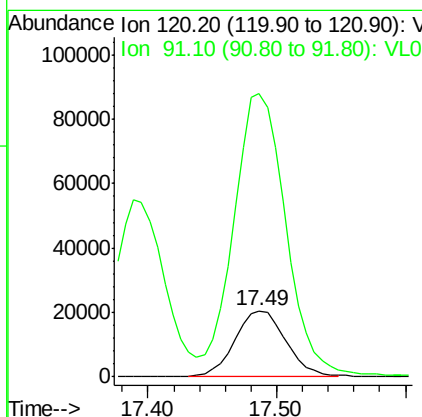
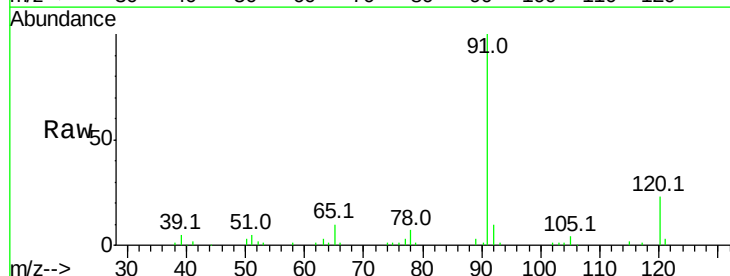
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

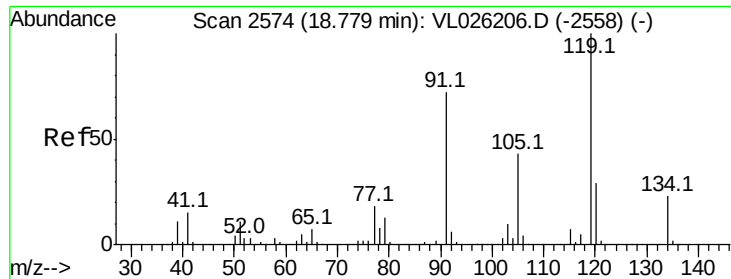
Tgt Ion: 83 Resp: 96009
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.7
 85 64.0 32.3 96.8



#64
 n-propylbenzene
 Concen: 0.64 ppbv
 RT: 17.49 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion: 120 Resp: 56876
 Ion Ratio Lower Upper
 120 100
 91 430.7 332.1 498.1

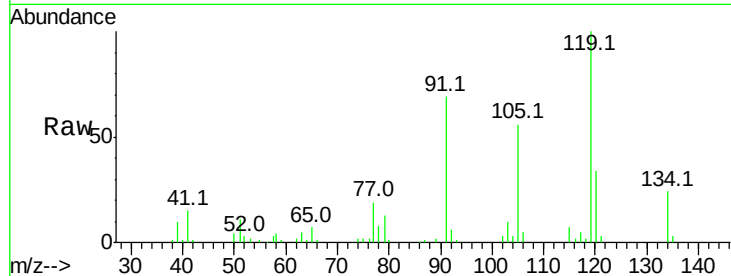




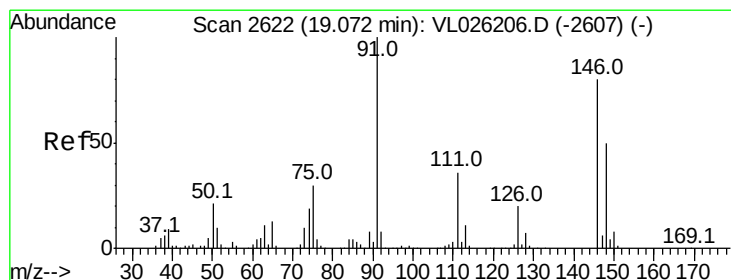
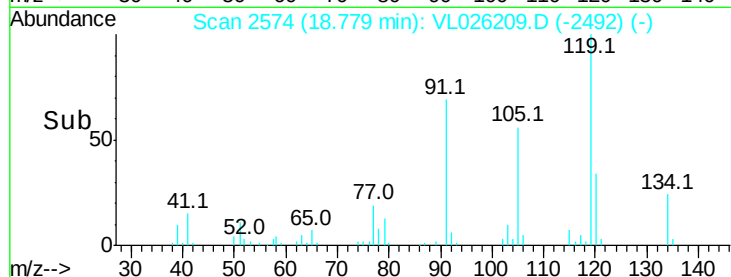
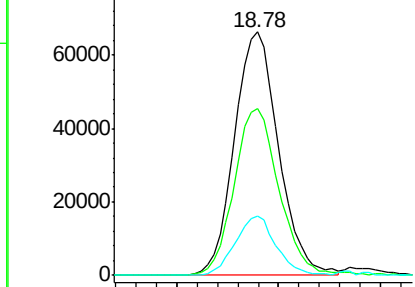
#65
 tert-Butylbenzene
 Concen: 0.68 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 119 Resp: 199488
 Ion Ratio Lower Upper
 119 100
 91 69.8 57.6 86.4
 134 23.3 17.8 26.6

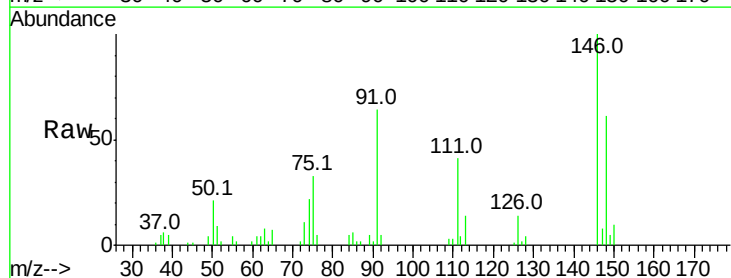


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): V
 Ion 134.20 (133.90 to 134.90): V

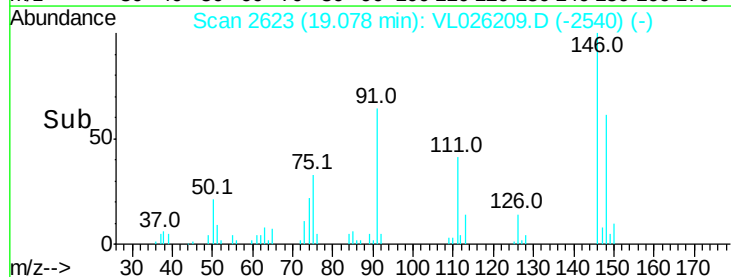
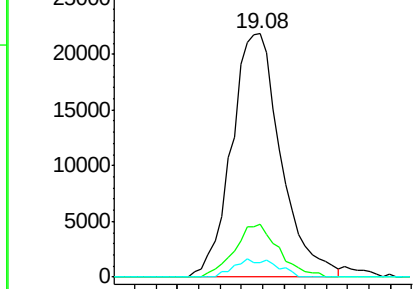


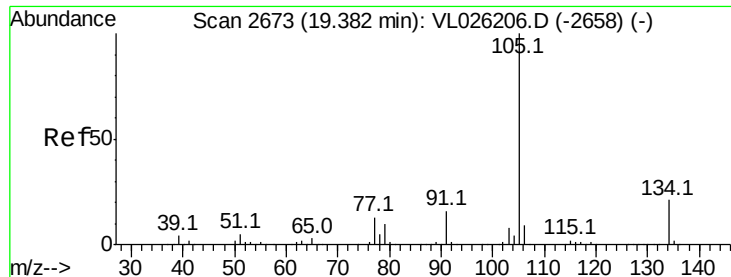
#66
 Benzyl Chloride
 Concen: 0.77 ppbv
 RT: 19.08 min Scan# 2623
 Delta R.T. 0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion: 91 Resp: 70656
 Ion Ratio Lower Upper
 91 100
 126 19.6 16.1 24.1
 128 6.4 5.1 7.7



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

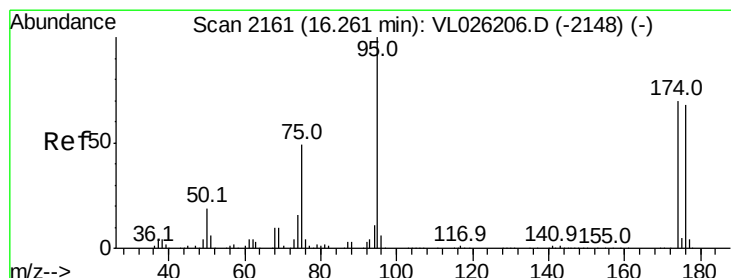
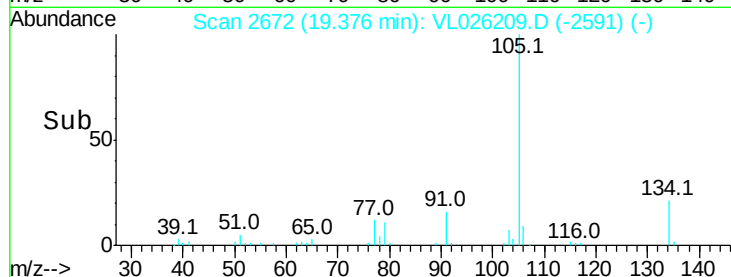
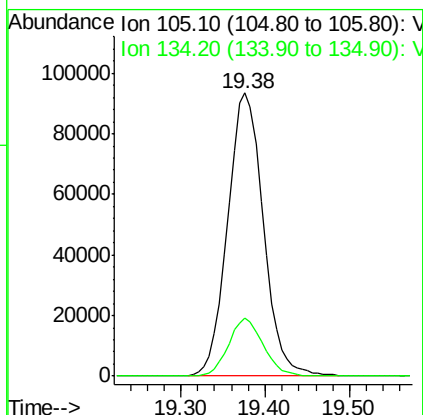
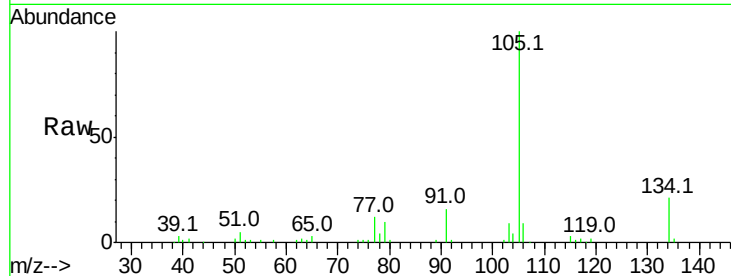




#67
 sec-Butylbenzene
 Concen: 0.66 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

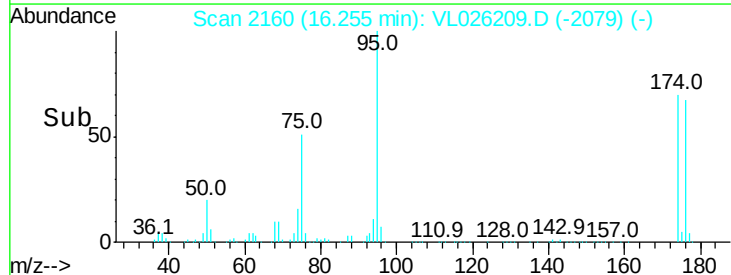
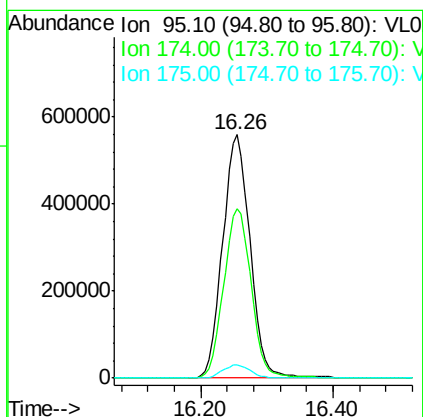
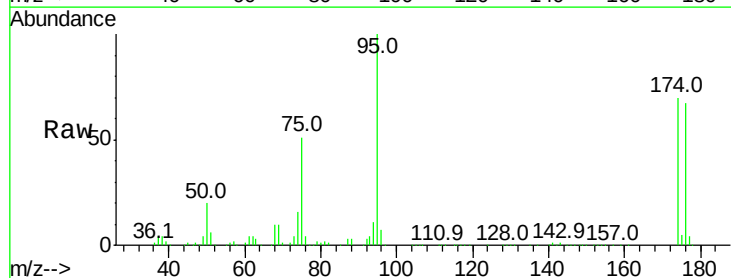
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

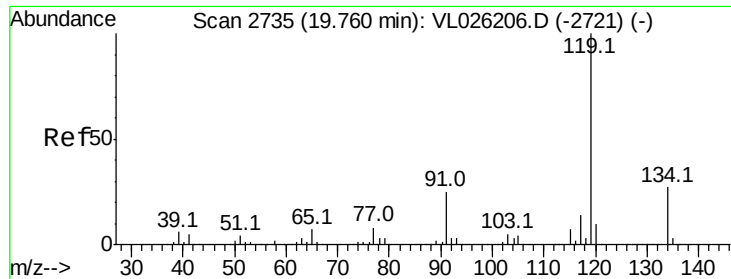
Tgt Ion: 105 Resp: 269072
 Ion Ratio Lower Upper
 105 100
 134 19.8 16.3 24.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.33 ppbv
 RT: 16.26 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion: 95 Resp: 1606849
 Ion Ratio Lower Upper
 95 100
 174 70.2 56.2 84.2
 175 5.4 4.3 6.5

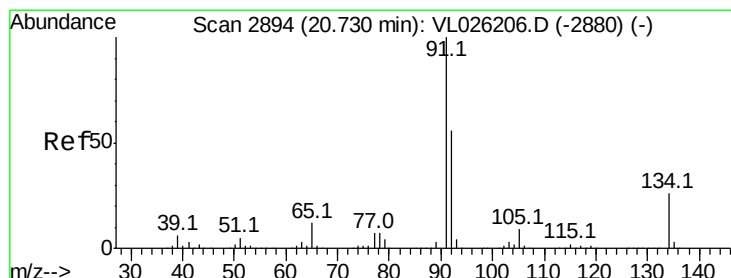
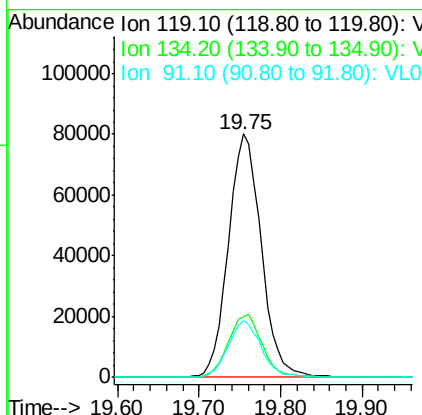
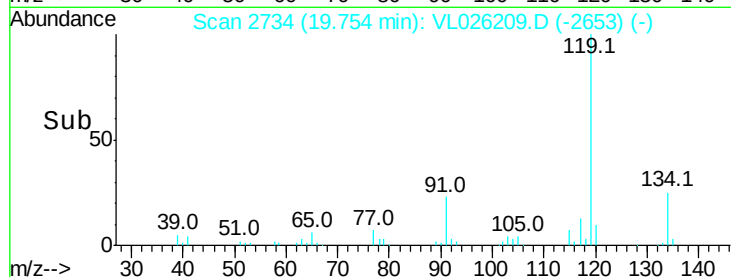
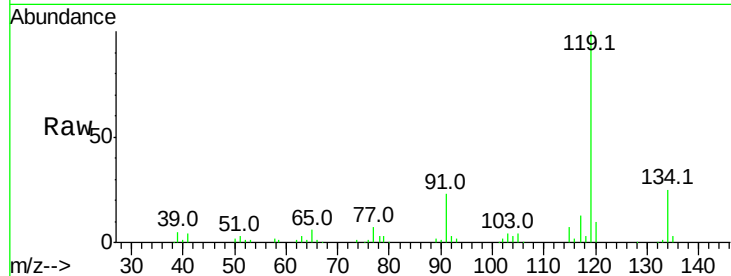




#69
p-Isopropyltoluene
Concen: 0.68 ppbv
RT: 19.75 min Scan# 2734
Delta R.T. -0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

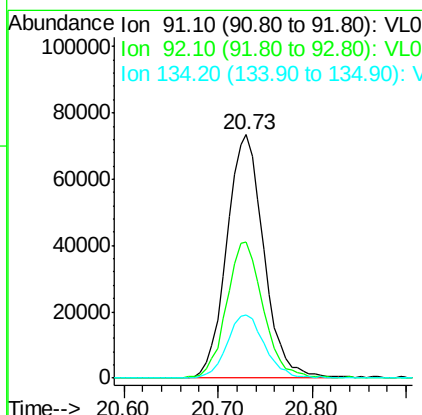
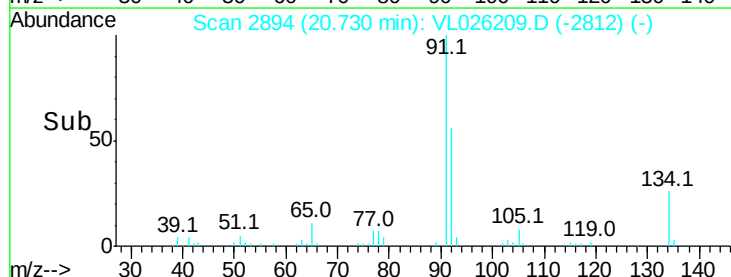
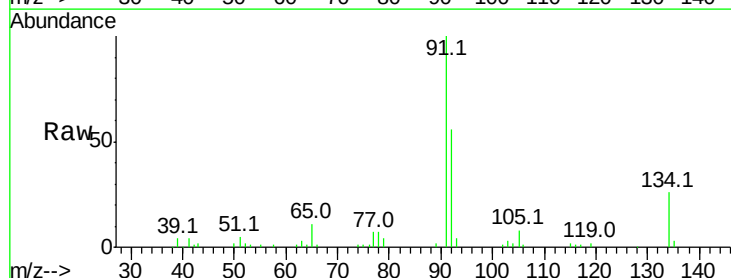
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

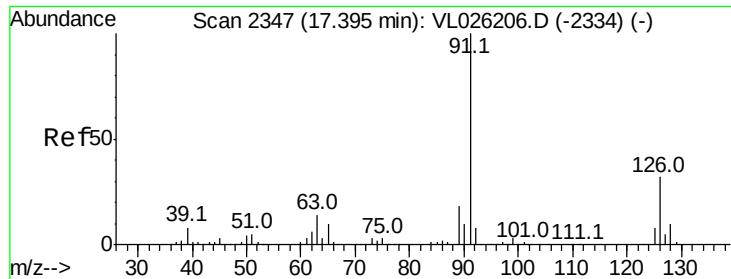
Tgt Ion: 119 Resp: 223639
Ion Ratio Lower Upper
119 100
134 26.2 21.4 32.0
91 23.4 19.8 29.8



#70
n-Butylbenzene
Concen: 0.65 ppbv
RT: 20.73 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

Tgt Ion: 91 Resp: 200691
Ion Ratio Lower Upper
91 100
92 55.3 44.7 67.1
134 26.3 21.1 31.7





#71

2-Chlorotoluene

Concen: 0.63 ppbv

RT: 17.39 min Scan# 2346

Delta R.T. -0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

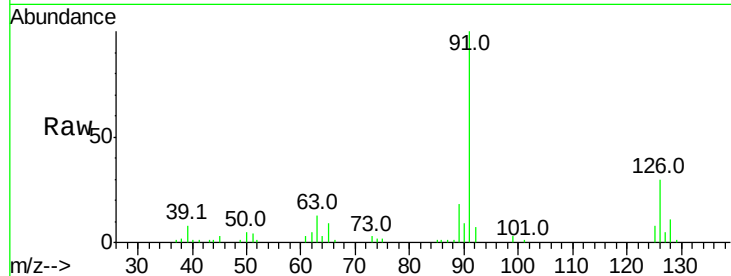
VSTDIC0.5

Tgt Ion: 91 Resp: 151469

Ion Ratio Lower Upper

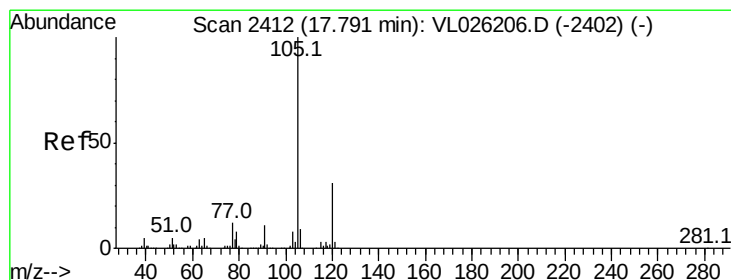
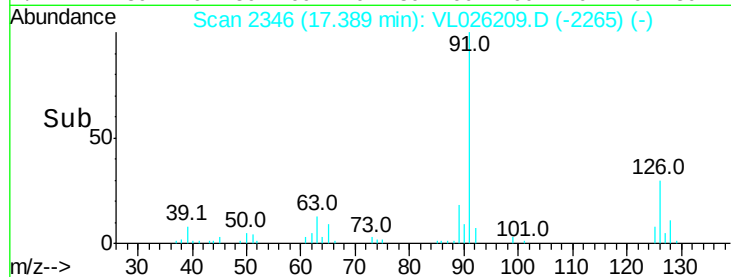
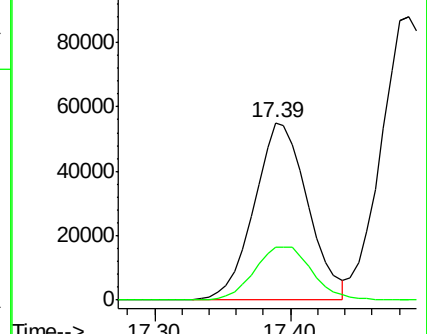
91 100

126 32.3 12.9 51.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.64 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Tgt Ion: 105 Resp: 170432

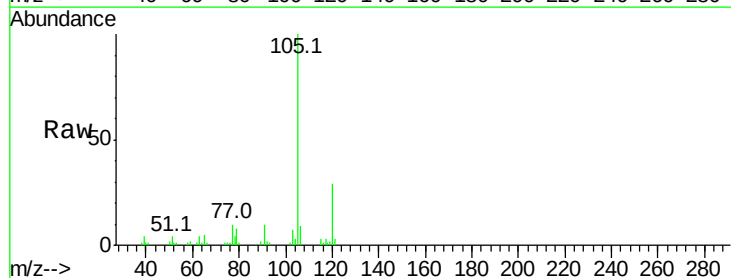
Ion Ratio Lower Upper

105 100

120 32.4 25.2 37.8

91 11.8 9.2 13.8

77 11.7 9.5 14.3

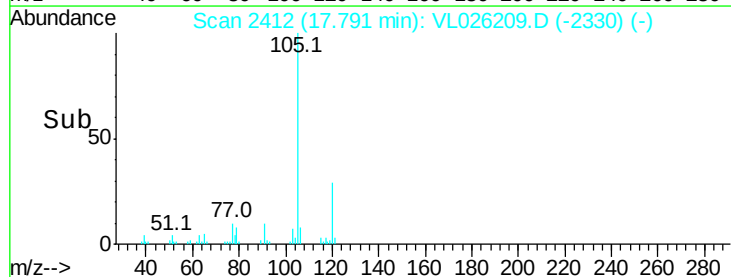
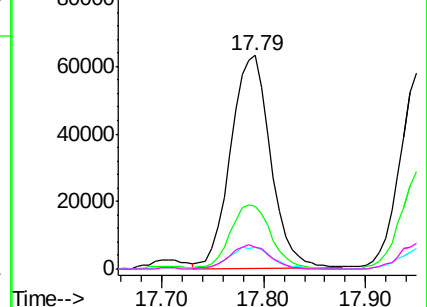


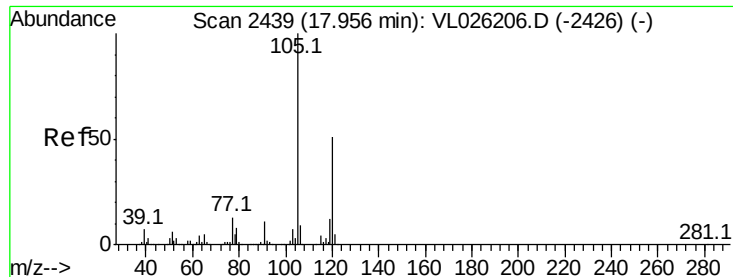
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.63 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

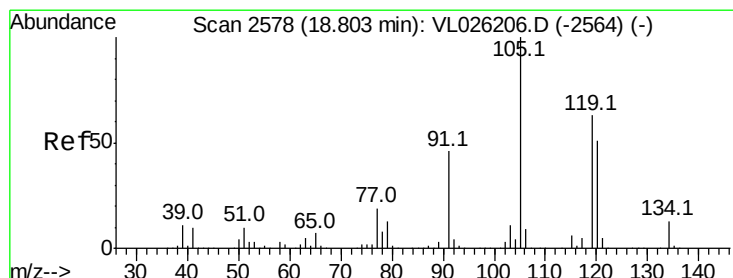
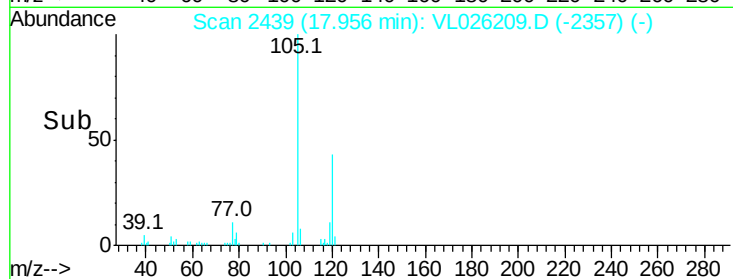
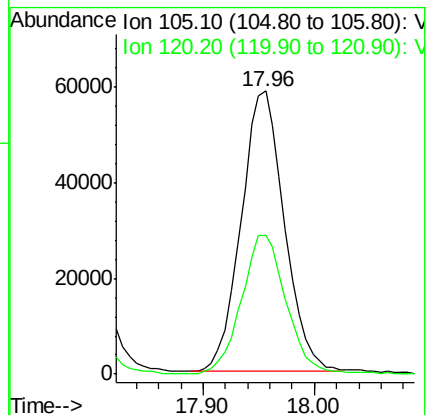
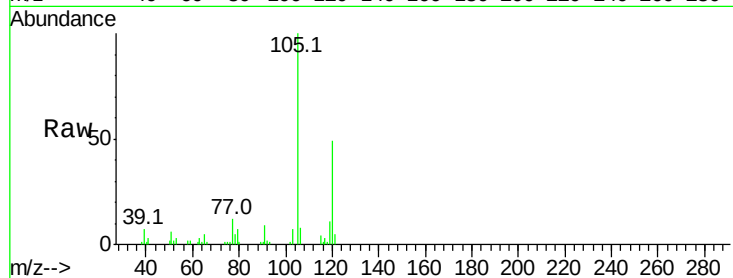
VSTDIC0.5

Tgt Ion:105 Resp: 158072

Ion Ratio Lower Upper

105 100

120 49.8 40.3 60.5



#74

1,2,4-Trimethylbenzene

Concen: 0.66 ppbv

RT: 18.80 min Scan# 2577

Delta R.T. -0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Tgt Ion:105 Resp: 175570

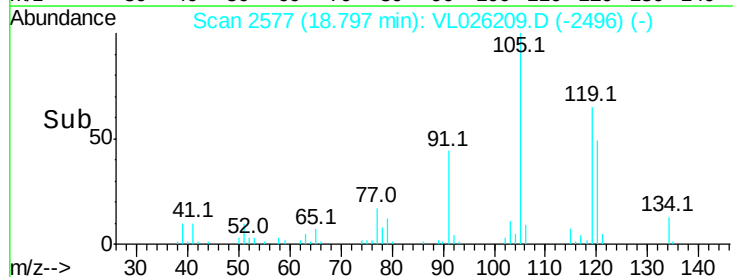
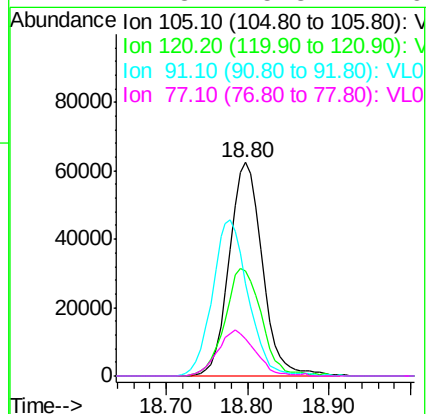
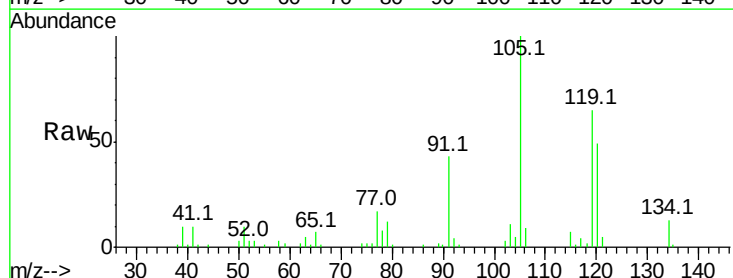
Ion Ratio Lower Upper

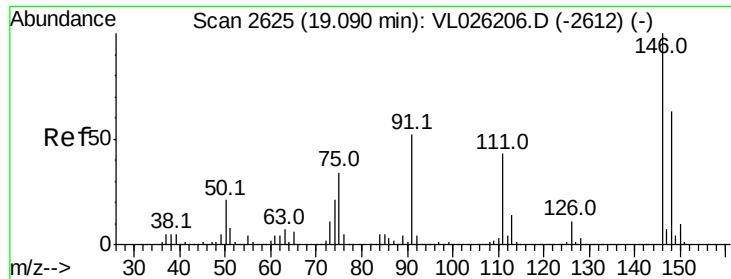
105 100

120 48.5 40.5 60.7

91 42.8 37.4 56.0

77 17.3 15.3 22.9

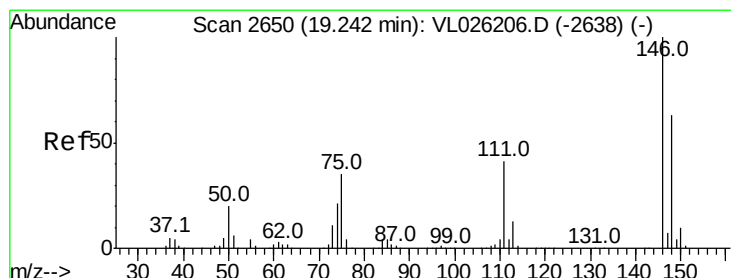
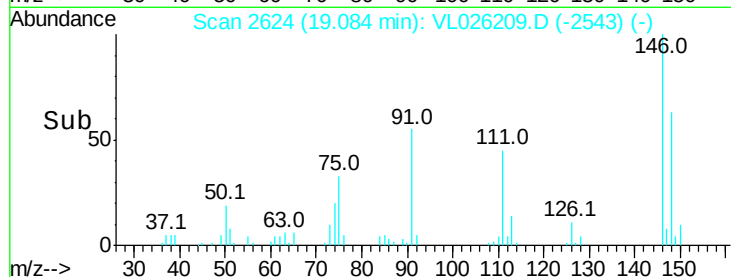
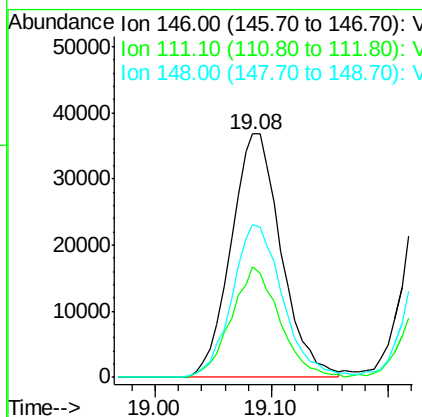
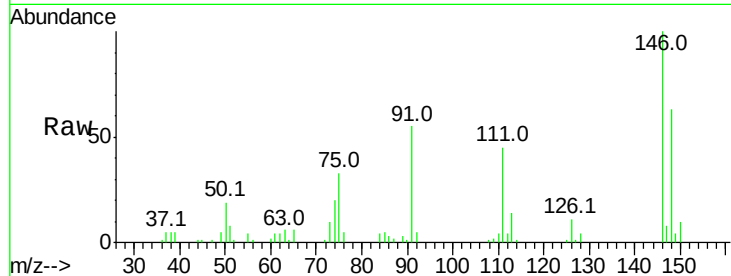




#75
 1,3-Dichlorobenzene
 Concen: 0.65 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

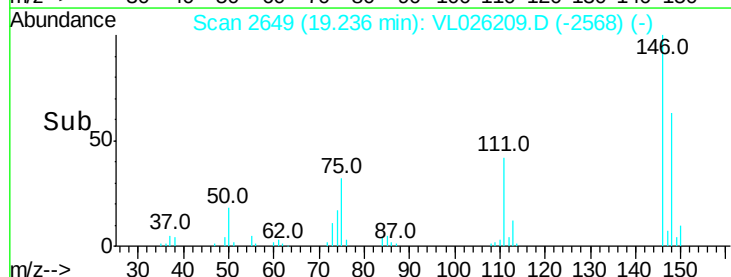
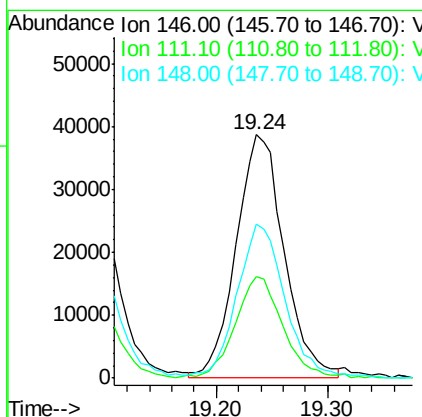
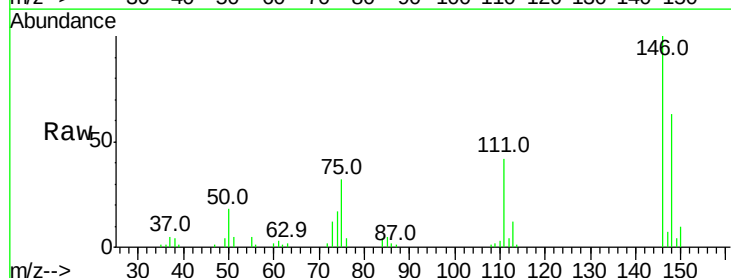
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

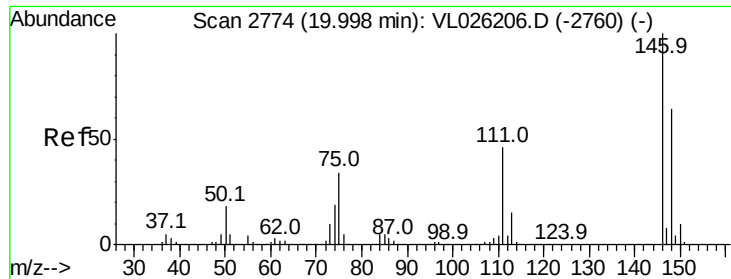
Tgt Ion:146 Resp: 110108
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.6 65.0
 148 63.3 31.7 95.1



#76
 1,4-Dichlorobenzene
 Concen: 0.67 ppbv
 RT: 19.24 min Scan# 2649
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion:146 Resp: 116178
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.8
 148 63.4 32.0 96.2

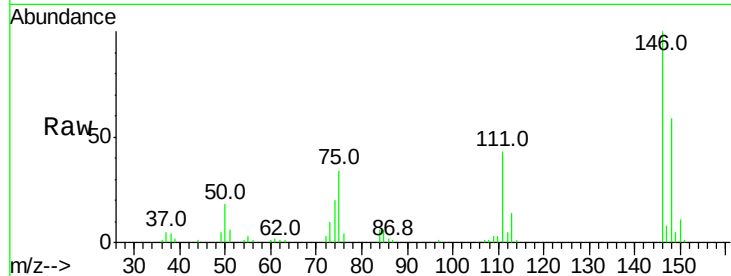




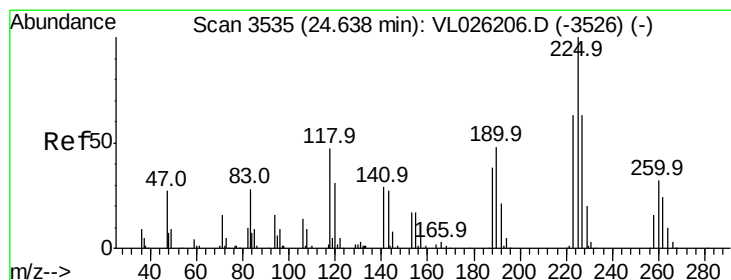
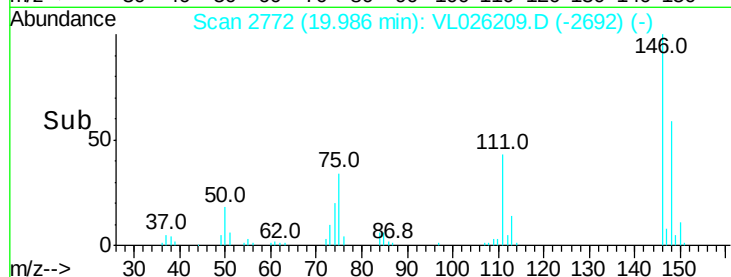
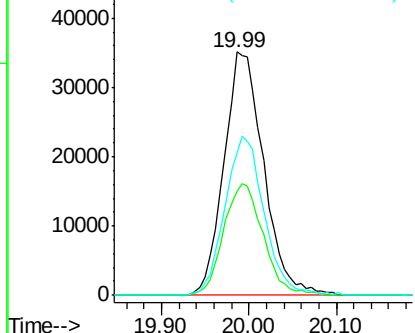
#77
 1,2-Dichlorobenzene
 Concen: 0.67 ppbv
 RT: 19.99 min Scan# 2772
 Delta R.T. -0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:146 Resp: 111100
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.6 67.8
 148 64.3 32.0 96.2

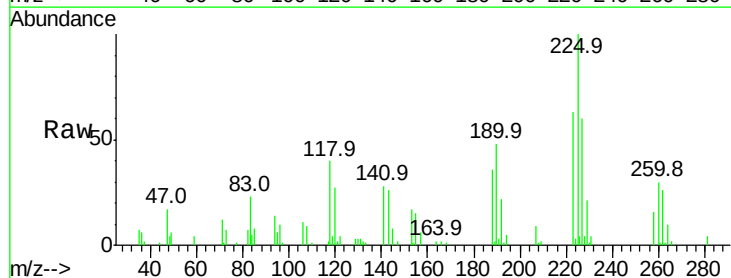


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

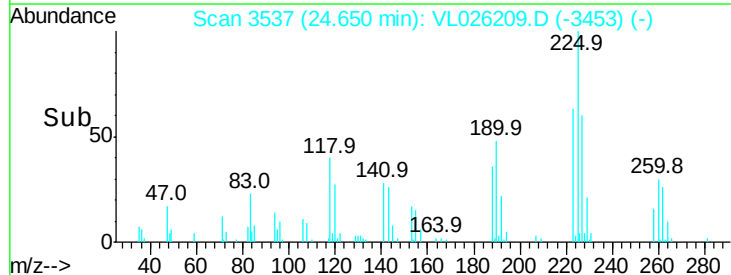
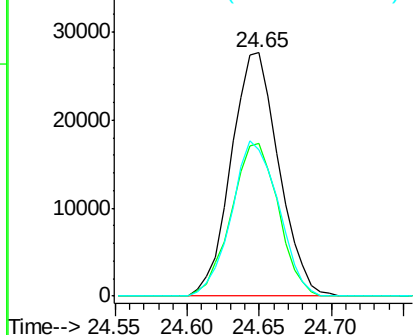


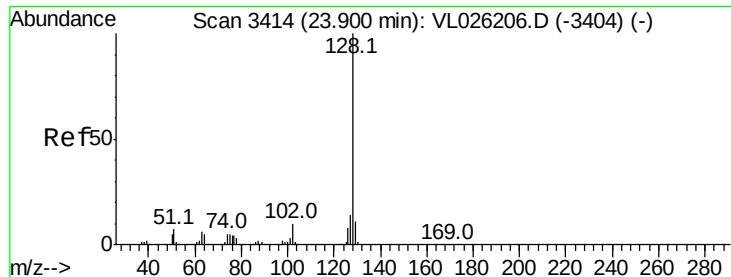
#78
 Hexachloro-1,3-Butadiene
 Concen: 1.06 ppbv
 RT: 24.65 min Scan# 3537
 Delta R.T. 0.01 min
 Lab File: VL026209.D
 Acq: 20 Oct 2015 12:32

Tgt Ion:225 Resp: 63522
 Ion Ratio Lower Upper
 225 100
 223 62.0 50.7 76.1
 227 62.9 50.2 75.2



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

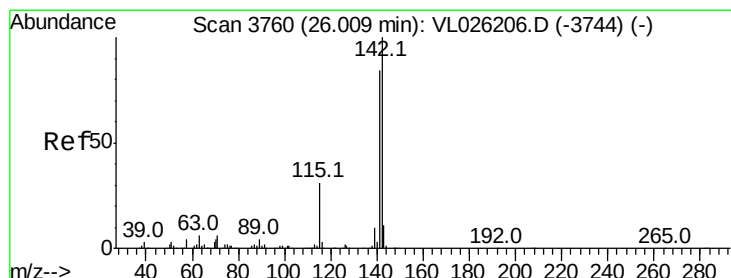
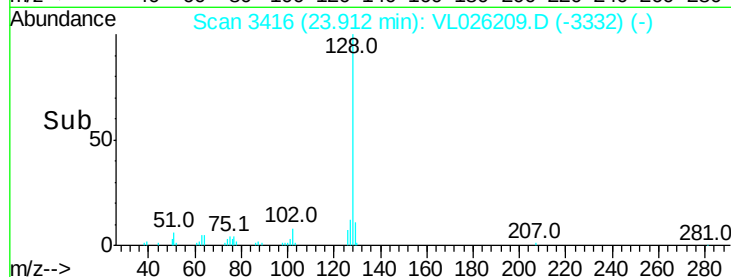
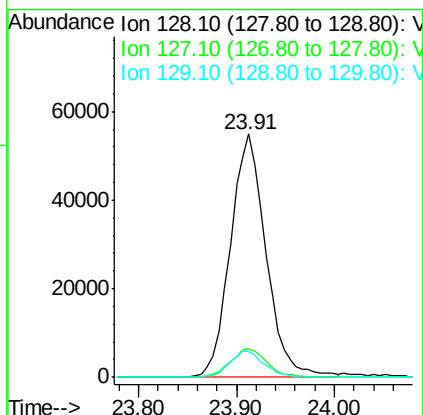
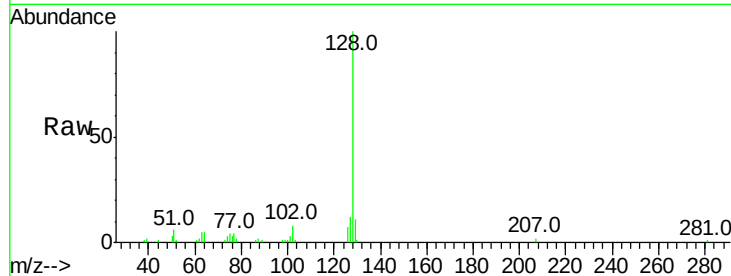




#79
Naphthalene
Concen: 0.93 ppbv
RT: 23.91 min Scan# 3416
Delta R.T. 0.01 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

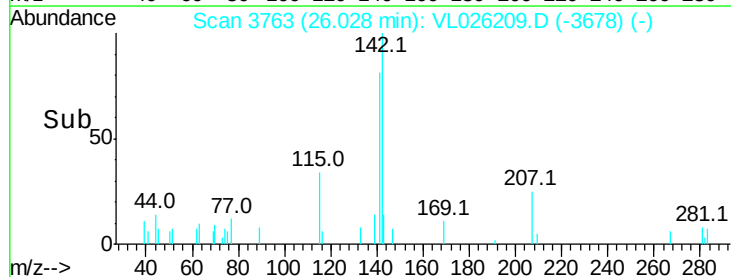
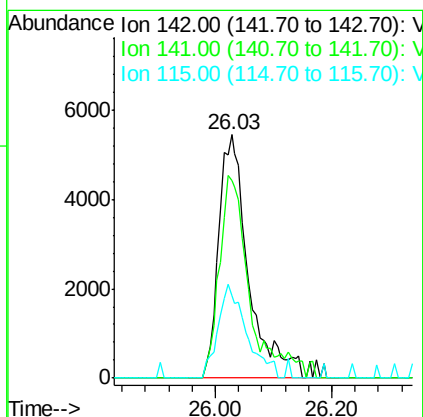
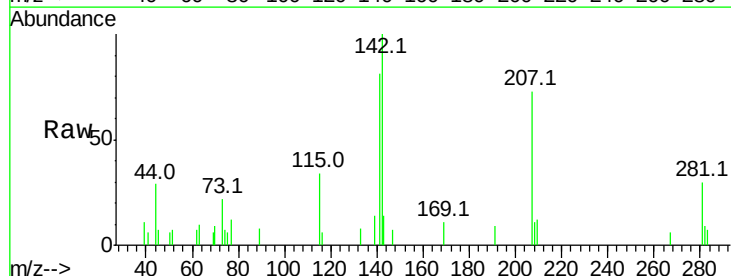
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

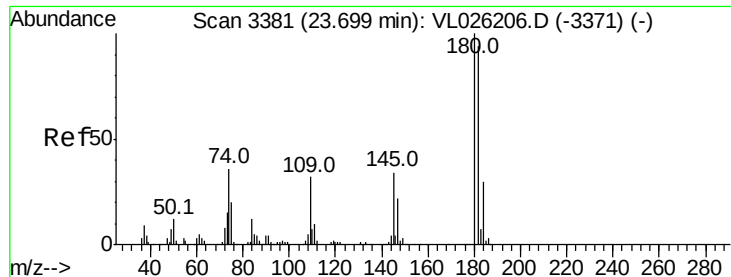
Tgt Ion:128 Resp: 138397
Ion Ratio Lower Upper
128 100
127 11.9 11.0 16.6
129 10.8 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 0.44 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. 0.02 min
Lab File: VL026209.D
Acq: 20 Oct 2015 12:32

Tgt Ion:142 Resp: 19624
Ion Ratio Lower Upper
142 100
141 84.1 66.7 100.1
115 36.9 25.0 37.4





#81

1,2,4-Trichlorobenzene

Concen: 0.96 ppbv

RT: 23.71 min Scan# 3383

Delta R.T. 0.01 min

Lab File: VL026209.D

Acq: 20 Oct 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

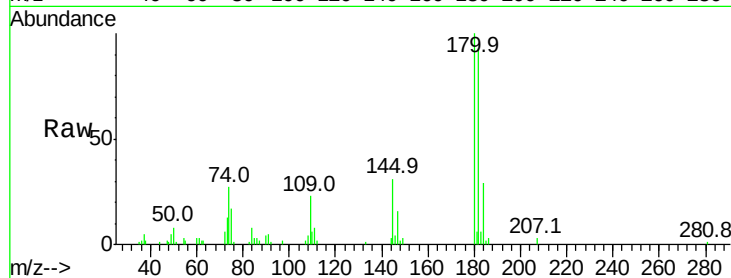
Tgt Ion:180 Resp: 71691

Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

184 30.3 24.4 36.6



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

