

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
 Data File : VL026251.D
 Acq On : 21 Oct 2015 23:40
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Oct 22 08:40:10 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	448222	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.31	114	1308204	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	2071891	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1297233	8.12	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.62	85	1072240	11.54	ppbv	99
3) Chlorodifluoromethane	3.56	51	594895	10.48	ppbv	100
4) Chloromethane	3.73	50	335699	10.96	ppbv	100
5) Vinyl Chloride	3.87	62	349384	10.84	ppbv	98
6) Bromomethane	4.12	94	259226	11.20	ppbv	95
7) Chloroethane	4.22	64	152622	11.29	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	869486	10.89	ppbv	98
9) Propene	3.58	41	275034	10.36	ppbv	100
10) Heptane	9.33	43	956573	10.76	ppbv	99
11) Trichlorofluoromethane	4.67	101	1059872	11.63	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.28	101	672407	10.81	ppbv	98
13) Ethanol	4.31	45	45218	11.35	ppbv	98
14) Bromoethene	4.43	108	294336	11.21	ppbv	100
15) Acetone	4.58	43	643417	9.75	ppbv	98
16) 1,3-Butadiene	3.95	39	319043	10.84	ppbv	98
17) tert-Butyl alcohol	5.10	59	494729	10.97	ppbv	99
18) 1,1-Dichloroethene	5.06	96	306343	10.91	ppbv	98
19) Isopropyl Alcohol	4.73	45	314504	12.19	ppbv	95
20) Methylene Chloride	5.13	84	280620	10.66	ppbv	98
21) Allyl Chloride	5.20	41	470714	10.92	ppbv	98
22) trans-1,2-Dichloroethene	5.74	96	401446	11.09	ppbv	100
23) Vinyl Acetate	5.96	43	1335013	10.97	ppbv	99
24) 1,1-Dichloroethane	5.89	63	849784	11.08	ppbv	100
25) Ethyl Acetate	6.65	43	1318953	10.66	ppbv	100
26) Hexane	6.63	57	651384	10.54	ppbv	99
27) Carbon Disulfide	5.37	76	872621	11.04	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	1209382	10.76	ppbv	99
29) Chloroform	6.73	83	996729	11.11	ppbv	100
30) Cyclohexane	8.26	84	625908	10.12	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	623911	11.12	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1031434	10.37	ppbv	99
34) 2-Butanone	6.18	43	831011	11.24	ppbv	100
35) Carbon Tetrachloride	8.13	117	1023582	10.27	ppbv	97
36) Benzene	8.00	78	1414967	10.62	ppbv	99
37) 1,2-Dichloroethane	7.35	62	809724	11.82	ppbv	99
38) Trichloroethene	9.04	130	602365	9.32	ppbv	98
39) 1,2-Dichloropropane	8.80	63	521644	11.13	ppbv	95
40) 1,4-Dioxane	9.09	88	133782	15.19	ppbv	95
41) Tetrahydrofuran	7.10	42	480753	11.23	ppbv	99
42) Bromodichloromethane	9.00	83	1123967	11.41	ppbv	100
43) Methyl Methacrylate	9.24	69	566553	11.68	ppbv	98

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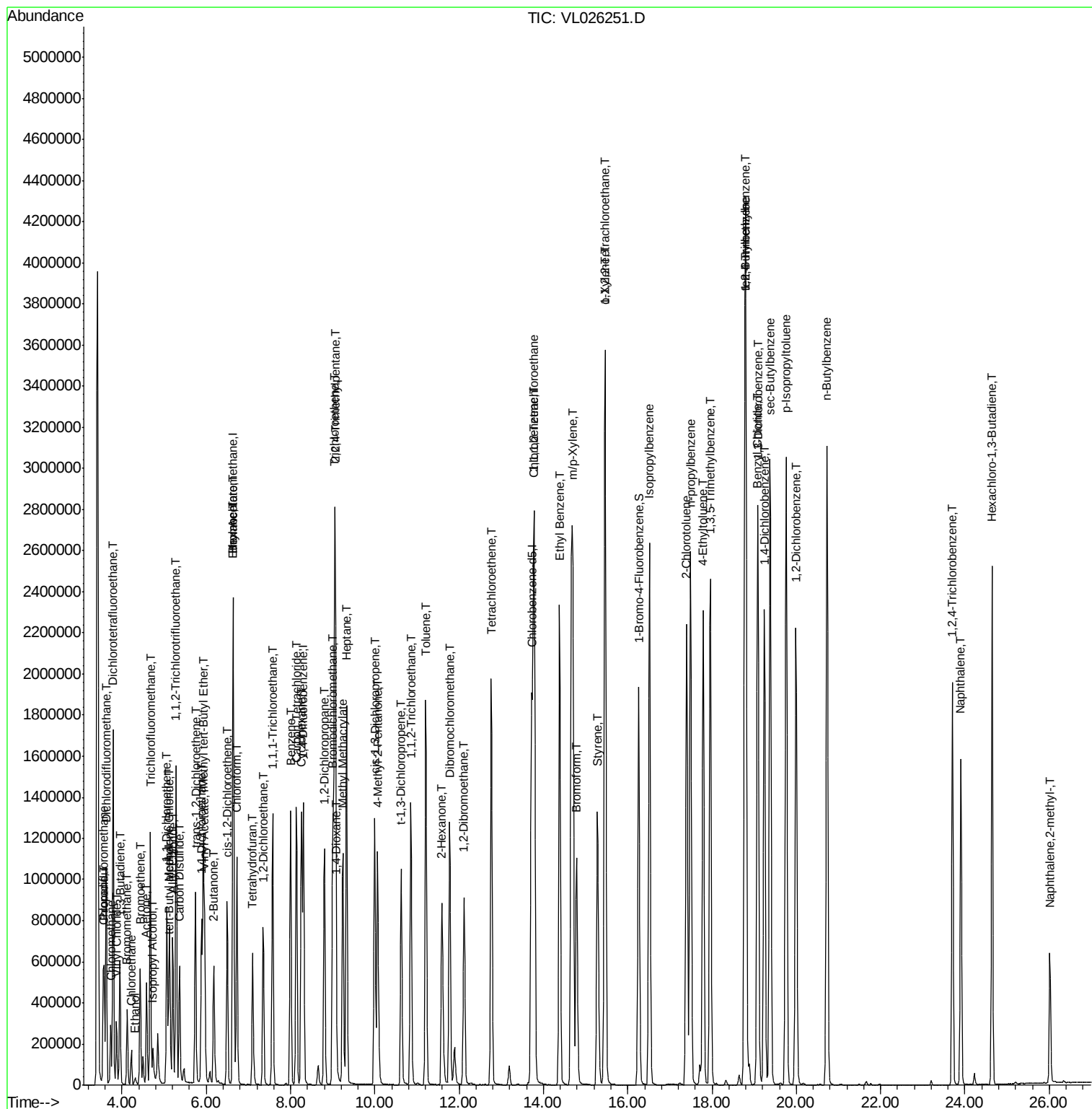
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2307090	10.69	ppbv	100
45) t-1,3-Dichloropropene	10.62	75	883272	11.67	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	1008945	11.39	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	661631	11.24	ppbv	99
48) Dibromochloromethane	11.77	129	1069053	11.14	ppbv	100
49) Bromoform	14.79	173	873249	10.78	ppbv	100
50) 4-Methyl-2-Pentanone	10.06	43	1179729	11.82	ppbv	99
51) 2-Hexanone	11.59	43	1116214	11.97	ppbv #	100
52) Tetrachloroethene	12.77	164	676042	8.85	ppbv	99
53) Toluene	11.21	91	1975098	10.90	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1022721	11.23	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.76	131	769381	7.74	ppbv	97
57) Chlorobenzene	13.79	112	1631846	8.23	ppbv	98
58) Ethyl Benzene	14.38	91	2832285	8.44	ppbv	99
59) m/p-Xylene	14.69	91	4355660	16.57	ppbv	99
60) o-Xylene	15.46	91	2223798	8.09	ppbv	99
61) Styrene	15.28	104	1097097	8.82	ppbv	99
62) Isopropylbenzene	16.52	105	3144137	8.22	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1466802	8.07	ppbv	100
64) n-propylbenzene	17.49	120	872639	8.30	ppbv	92
65) tert-Butylbenzene	18.78	119	2753051	7.89	ppbv	99
66) Benzyl Chloride	19.07	91	1118526	7.76	ppbv	99
67) sec-Butylbenzene	19.38	105	3991499	8.20	ppbv	99
69) p-Isopropyltoluene	19.76	119	3301508	8.12	ppbv	100
70) n-Butylbenzene	20.72	91	3134450	8.43	ppbv	99
71) 2-Chlorotoluene	17.39	91	2391895	8.50	ppbv	99
72) 4-Ethyltoluene	17.79	105	2714302	8.49	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	2499655	8.39	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2452514	7.93	ppbv	99
75) 1,3-Dichlorobenzene	19.09	146	1634472	8.09	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	1708763	8.10	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	1648474	8.10	ppbv	100
78) Hexachloro-1,3-Butadiene	24.64	225	617870	5.92	ppbv	99
79) Naphthalene	23.91	128	1926640	7.07	ppbv	100
80) Naphthalene,2-methyl-	26.02	142	527169	10.78	ppbv	99
81) 1,2,4-Trichlorobenzene	23.70	180	891135	6.80	ppbv	100

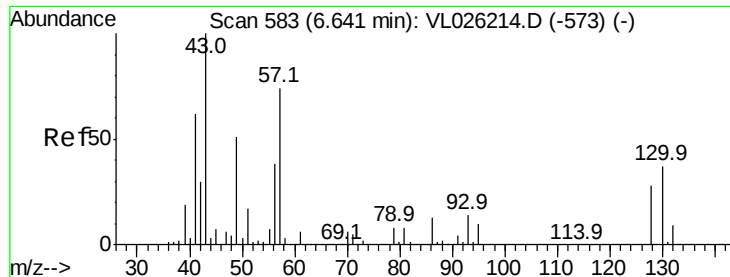
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

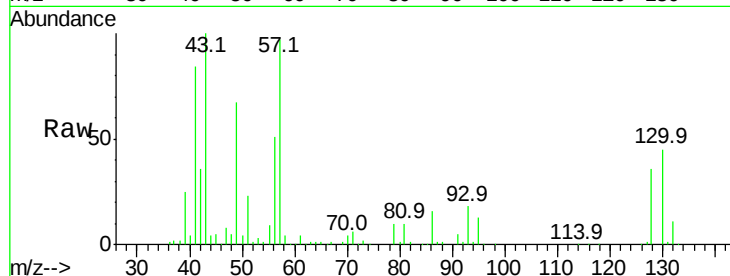
Tgt Ion: 49 Resp: 448222

Ion Ratio Lower Upper

49 100

128 54.6 28.2 84.7

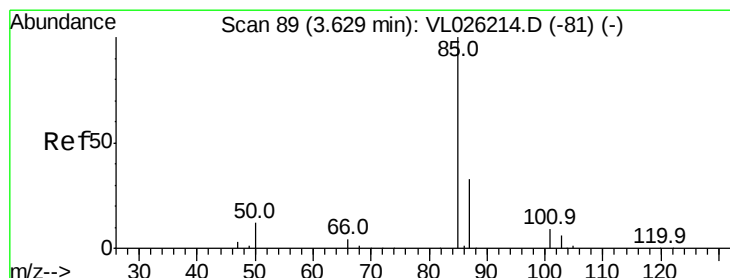
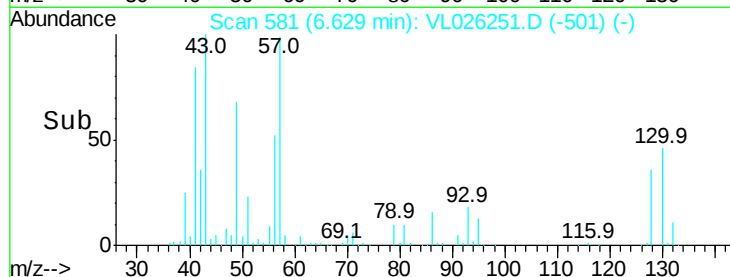
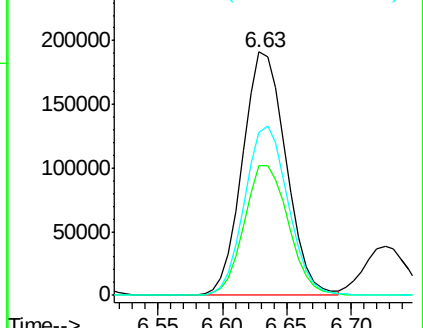
130 70.1 36.0 108.1



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: 11.54 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VL026251.D

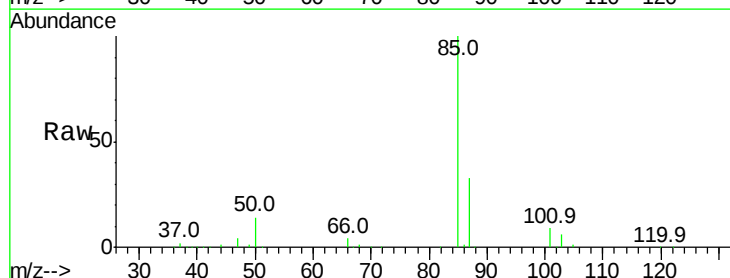
Acq: 21 Oct 2015 23:40

Tgt Ion: 85 Resp: 1072240

Ion Ratio Lower Upper

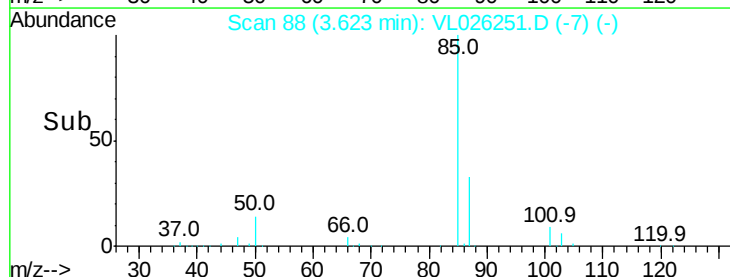
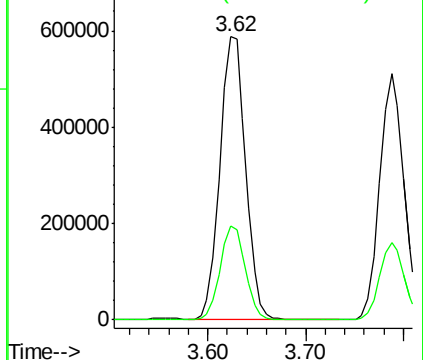
85 100

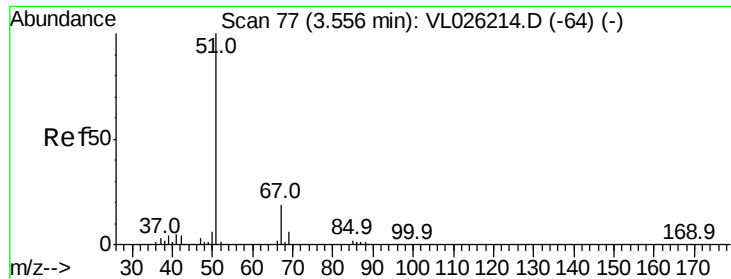
87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

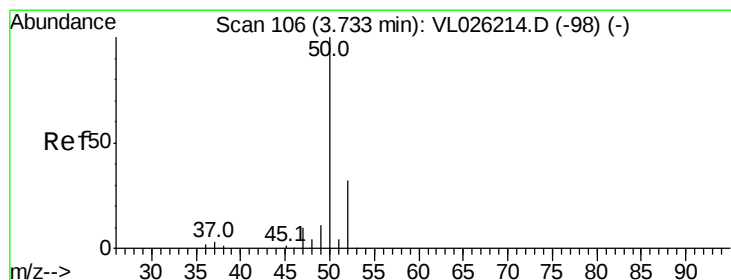
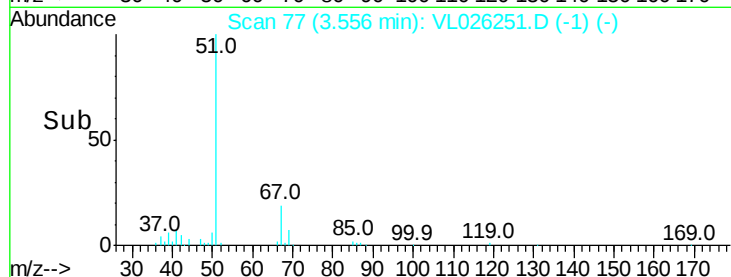
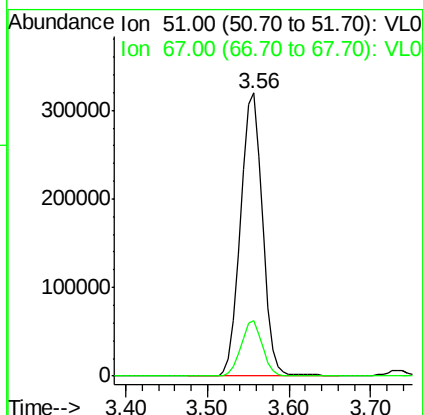
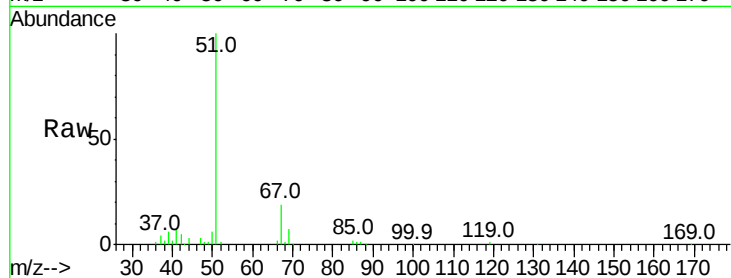




#3
Chlorodifluoromethane
Concen: 10.48 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

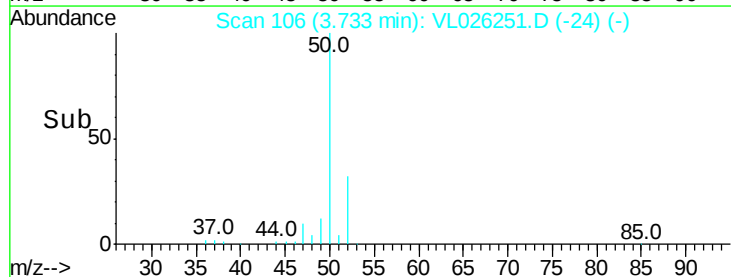
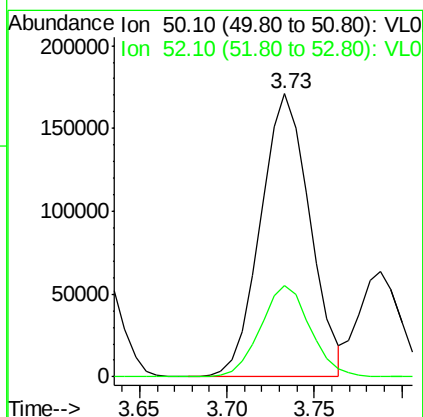
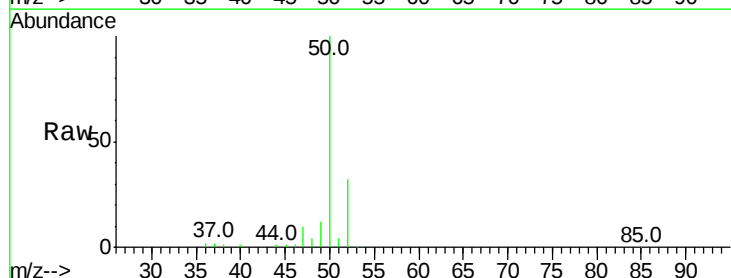
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

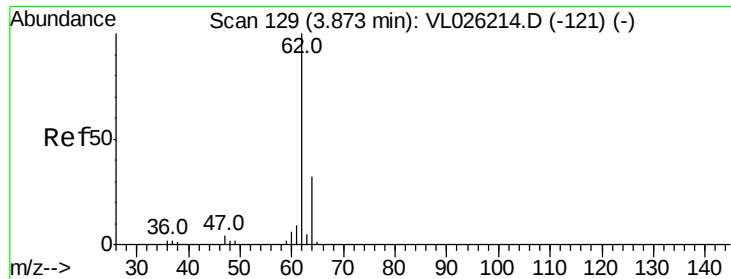
Tgt Ion: 51 Resp: 594895
Ion Ratio Lower Upper
51 100
67 19.1 15.3 22.9



#4
Chloromethane
Concen: 10.96 ppbv
RT: 3.73 min Scan# 106
Delta R.T. 0.00 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 50 Resp: 335699
Ion Ratio Lower Upper
50 100
52 32.4 25.8 38.6





#5

Vinyl Chloride

Concen: 10.84 ppbv

RT: 3.87 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

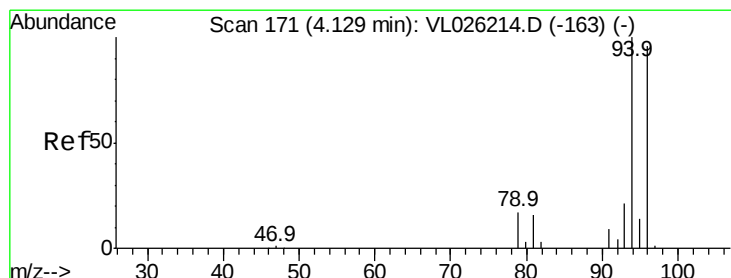
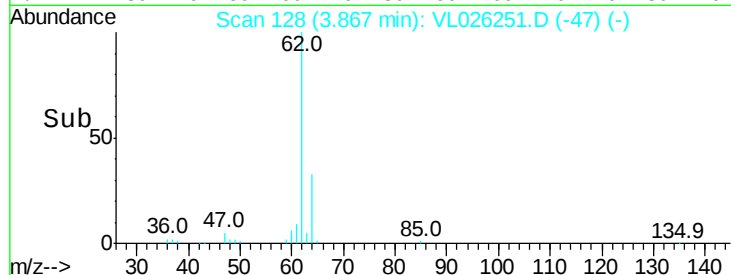
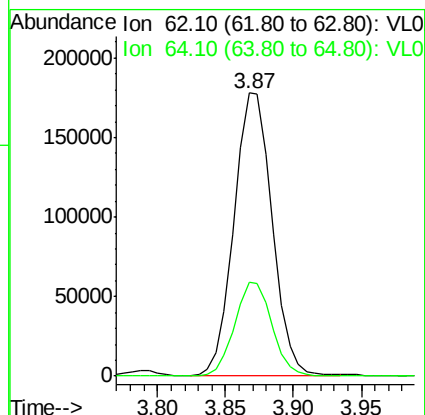
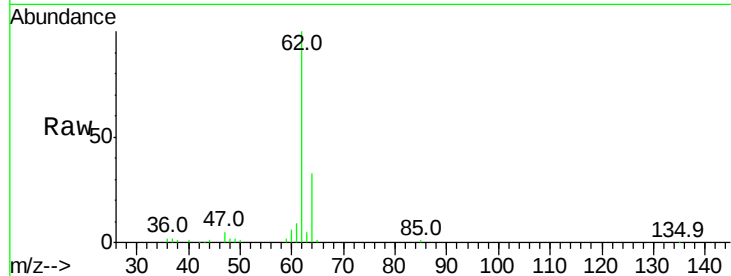
VSTDCCC010EC

Tgt Ion: 62 Resp: 349384

Ion Ratio Lower Upper

62 100

64 33.1 25.6 38.4



#6

Bromomethane

Concen: 11.20 ppbv

RT: 4.12 min Scan# 170

Delta R.T. -0.01 min

Lab File: VL026251.D

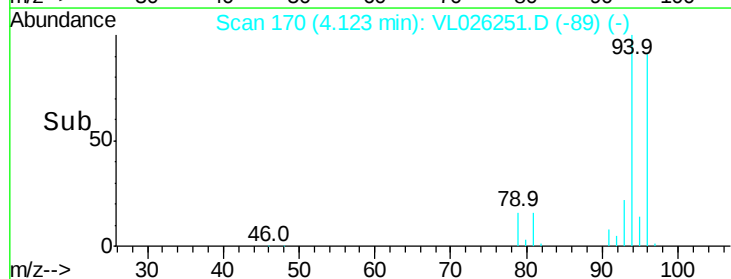
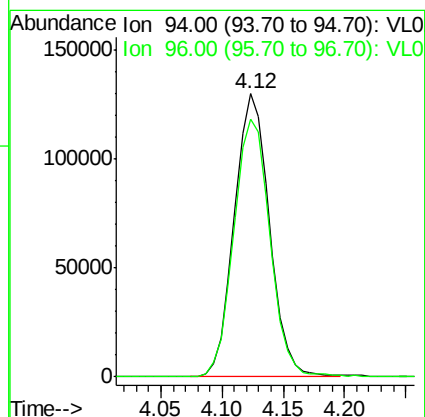
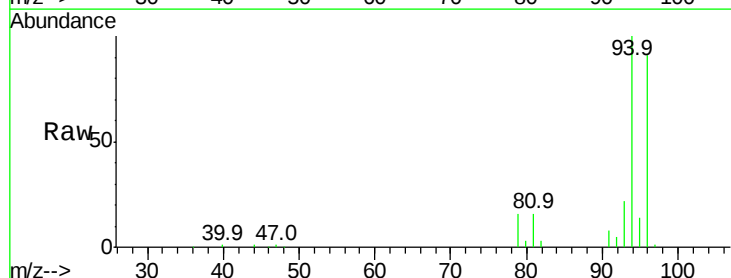
Acq: 21 Oct 2015 23:40

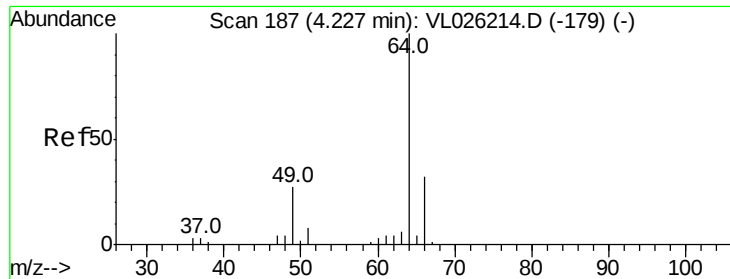
Tgt Ion: 94 Resp: 259226

Ion Ratio Lower Upper

94 100

96 91.0 76.5 114.7





#7

Chloroethane

Concen: 11.29 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

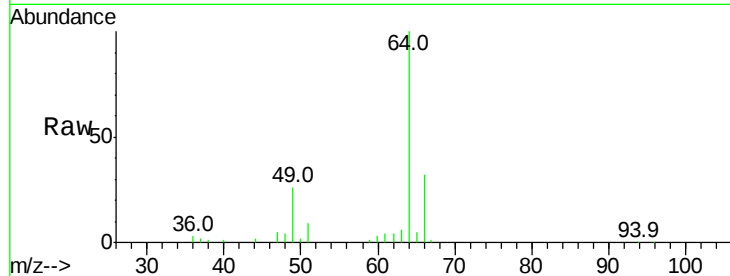
VSTDCCC010EC

Tgt Ion: 64 Resp: 152622

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.22

80000

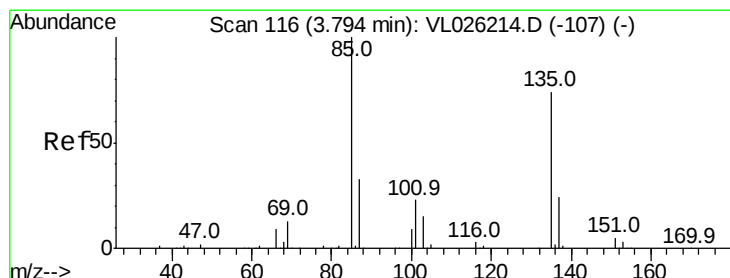
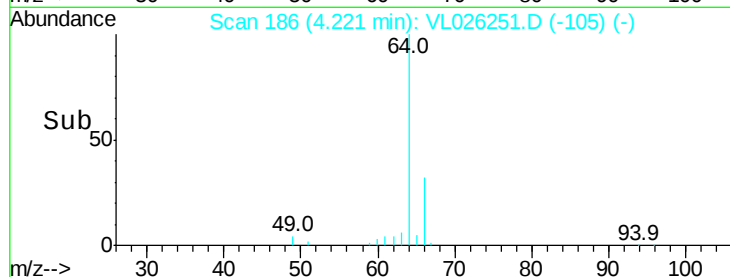
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.89 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL026251.D

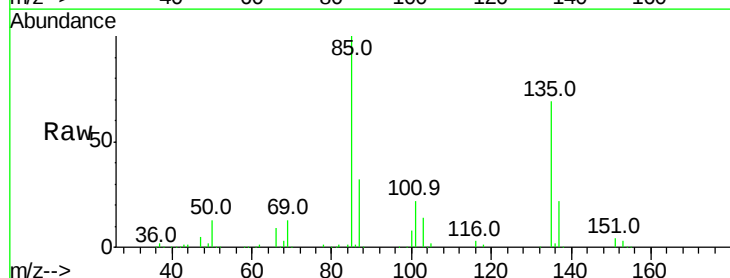
Acq: 21 Oct 2015 23:40

Tgt Ion: 85 Resp: 869486

Ion Ratio Lower Upper

85 100

135 70.9 57.8 86.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.79

600000

500000

400000

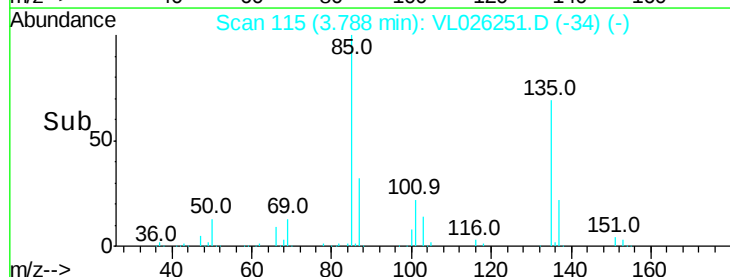
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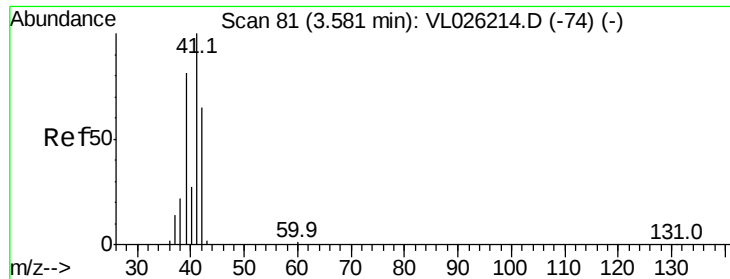
200000

100000

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Time-->





#9

Propene

Concen: 10.36 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026251.D

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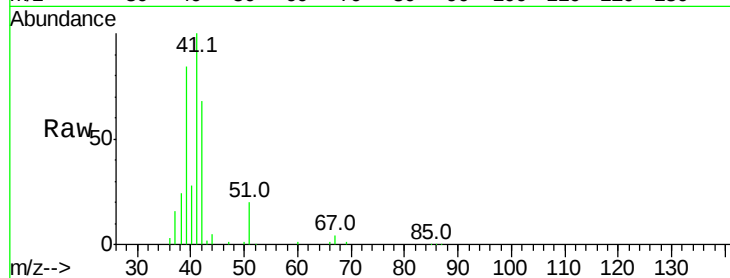
VSTDCCC010EC

Tgt Ion: 41 Resp: 275034

Ion Ratio Lower Upper

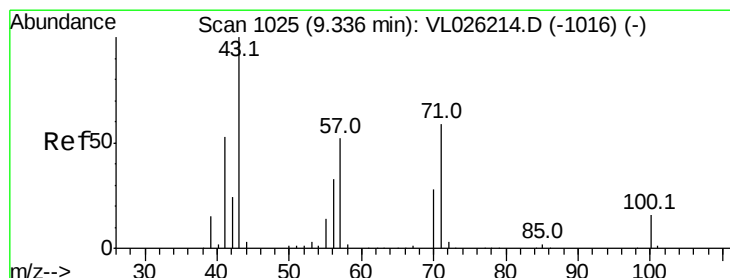
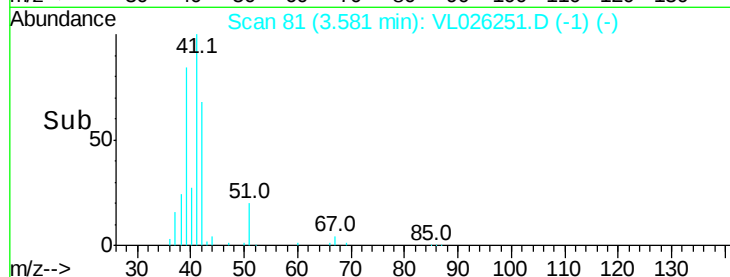
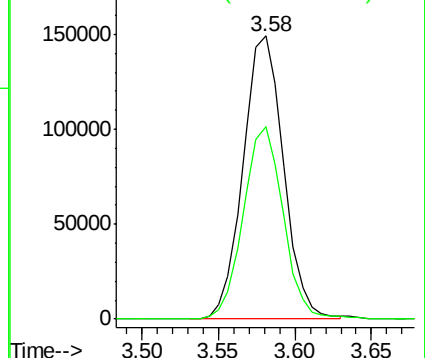
41 100

42 67.2 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.76 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026251.D

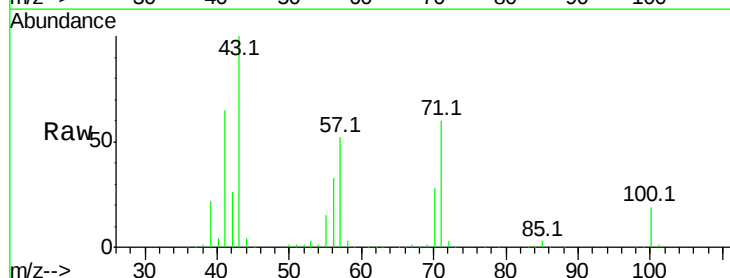
Acq: 21 Oct 2015 23:40

Tgt Ion: 43 Resp: 956573

Ion Ratio Lower Upper

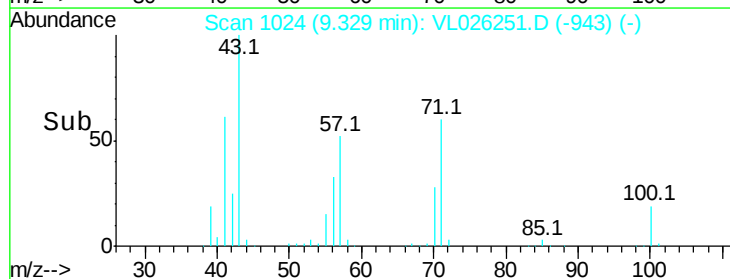
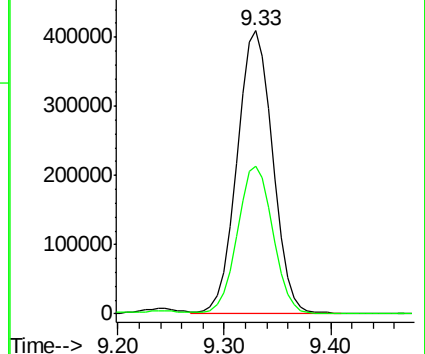
43 100

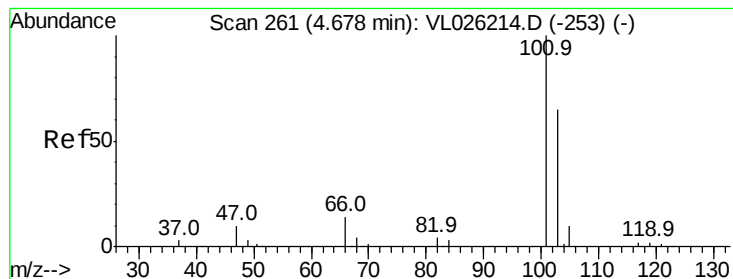
57 53.7 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 11.63 ppbv

RT: 4.67 min Scan# 260

Delta R.T. -0.01 min

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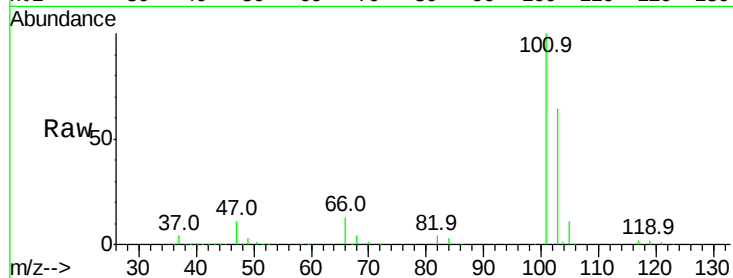
VSTDCCC010EC

Tgt Ion:101 Resp: 1059872

Ion Ratio Lower Upper

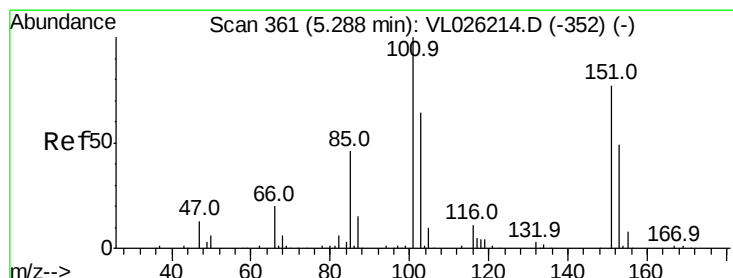
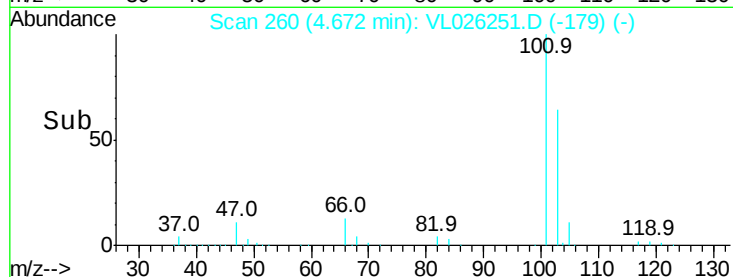
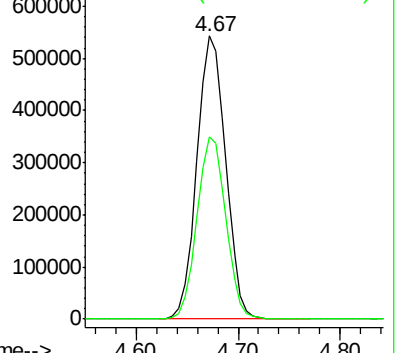
101 100

103 64.4 52.2 78.2



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: 10.81 ppbv

RT: 5.28 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL026251.D

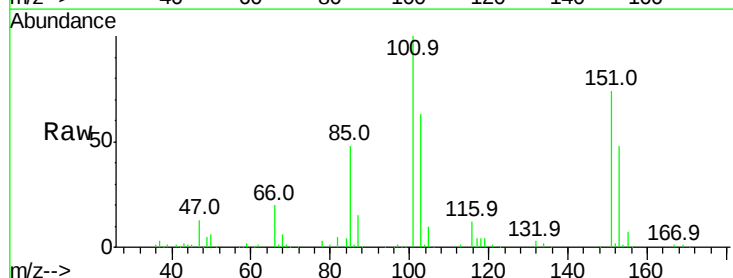
Acq: 21 Oct 2015 23:40

Tgt Ion:101 Resp: 672407

Ion Ratio Lower Upper

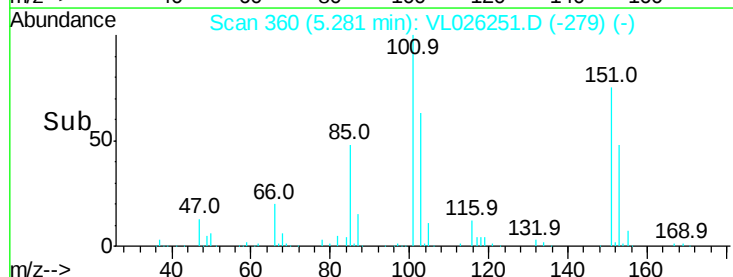
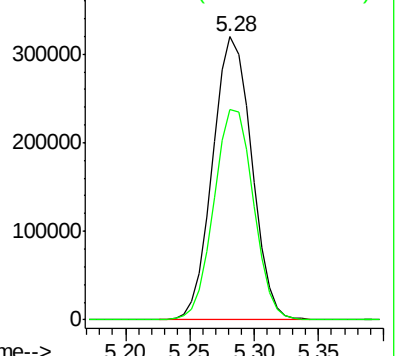
101 100

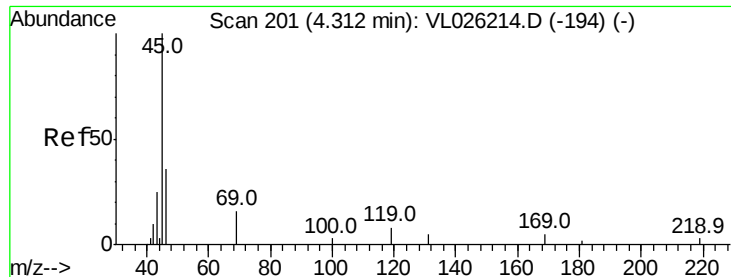
151 75.4 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 11.35 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

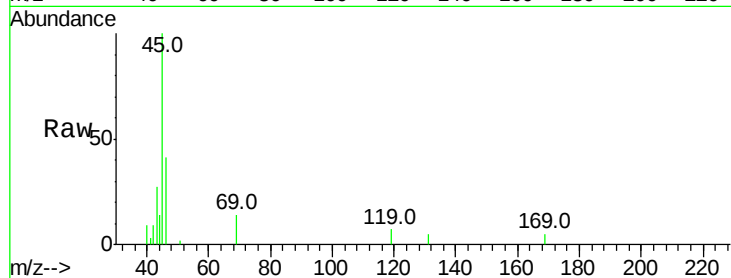
VSTDCCC010EC

Tgt Ion: 45 Resp: 45218

Ion Ratio Lower Upper

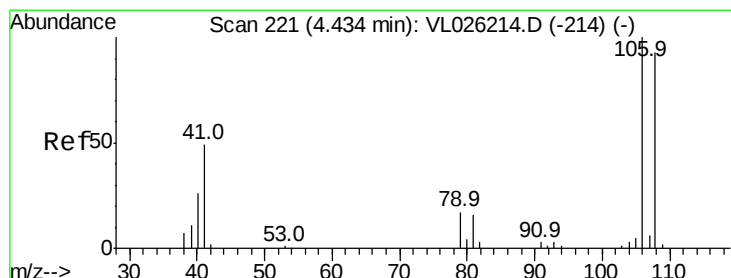
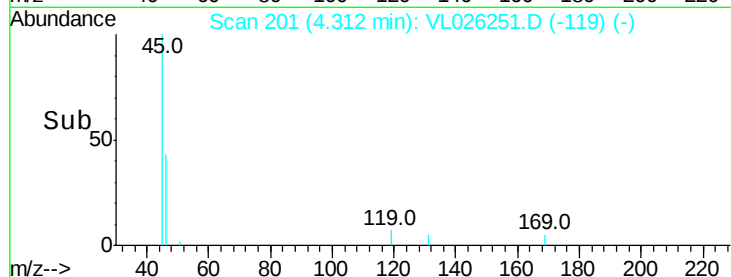
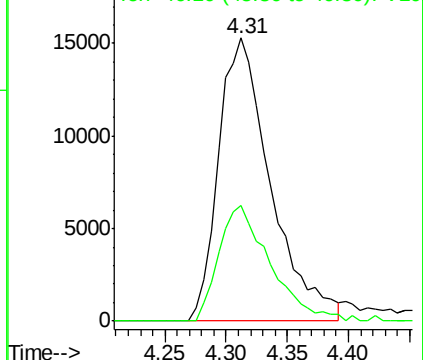
45 100

46 40.6 15.8 63.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 11.21 ppbv

RT: 4.43 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

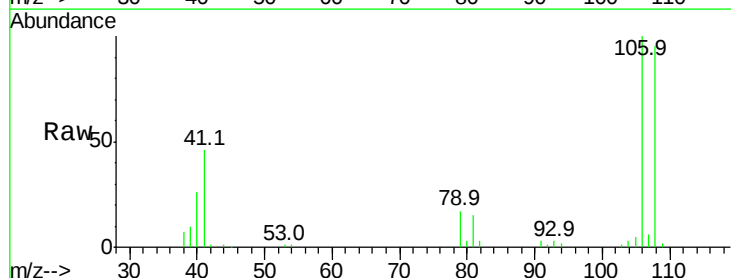
Tgt Ion: 108 Resp: 294336

Ion Ratio Lower Upper

108 100

106 105.7 84.7 127.1

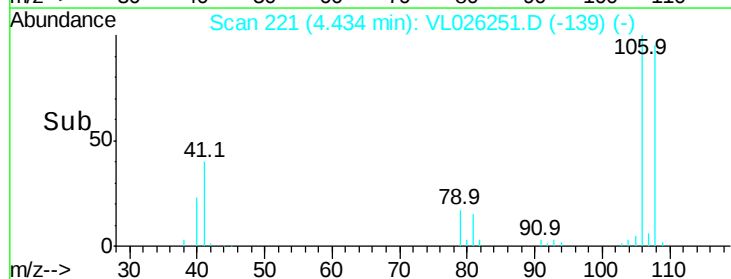
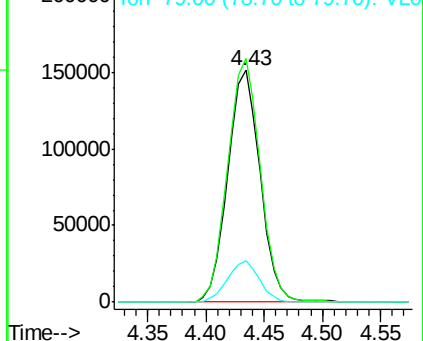
79 17.5 14.0 21.0

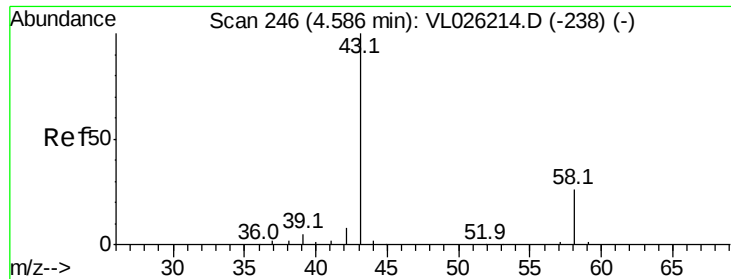


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.75 ppbv

RT: 4.58 min Scan# 245

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

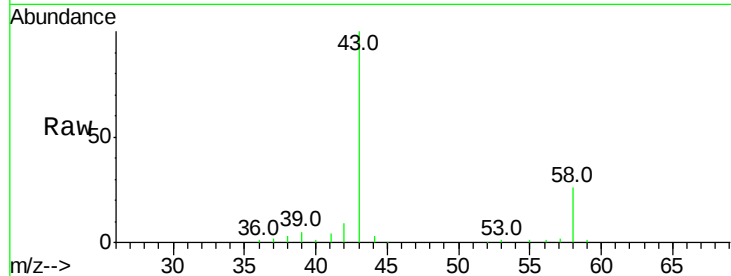
VSTDCCC010EC

Tgt Ion: 43 Resp: 643417

Ion Ratio Lower Upper

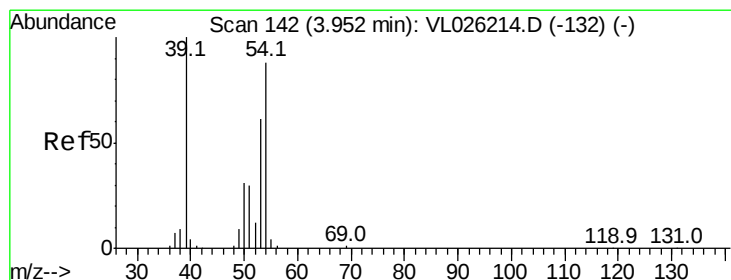
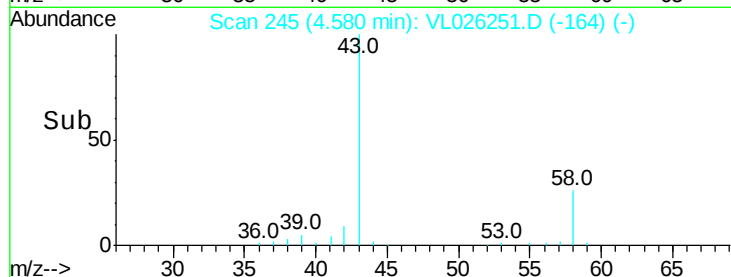
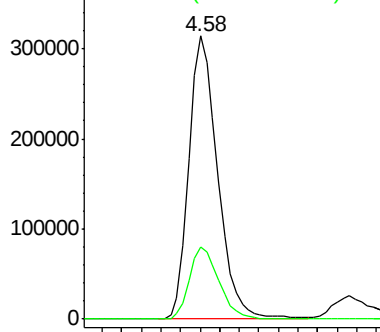
43 100

58 26.2 21.8 32.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.84 ppbv

RT: 3.95 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL026251.D

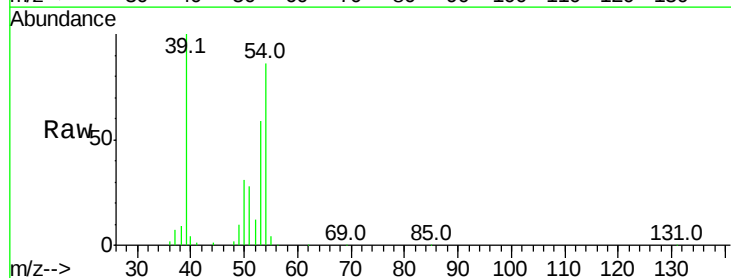
Acq: 21 Oct 2015 23:40

Tgt Ion: 39 Resp: 319043

Ion Ratio Lower Upper

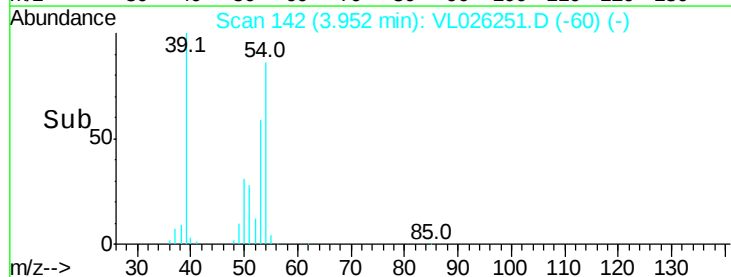
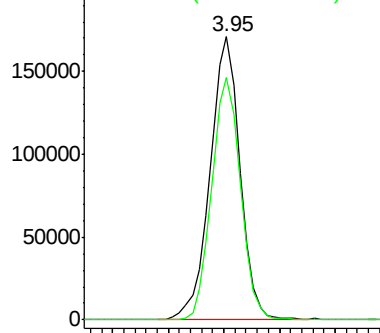
39 100

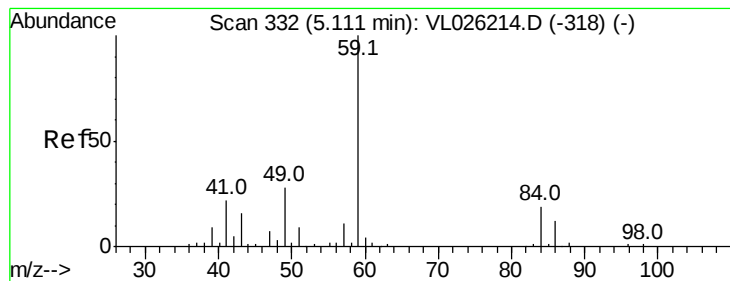
54 82.7 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.97 ppbv

RT: 5.10 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

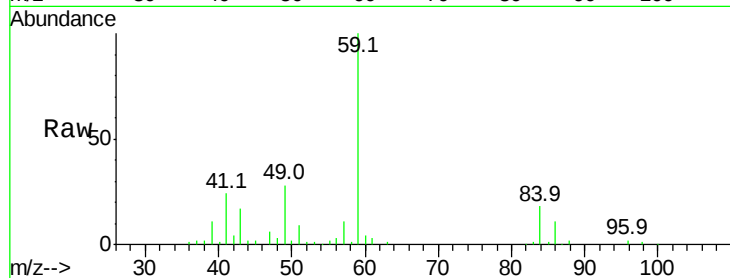
VSTDCCC010EC

Tgt Ion: 59 Resp: 494729

Ion Ratio Lower Upper

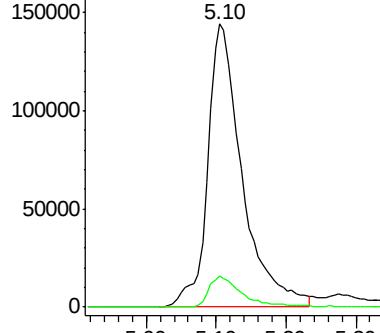
59 100

57 10.9 8.5 12.7

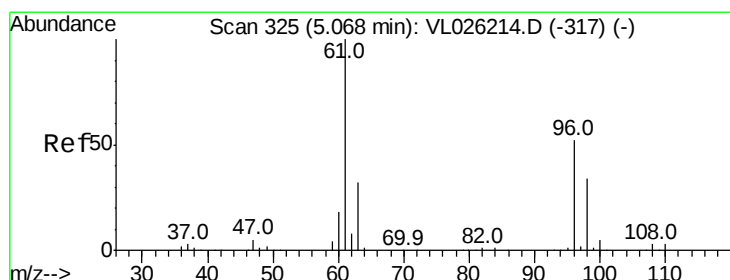
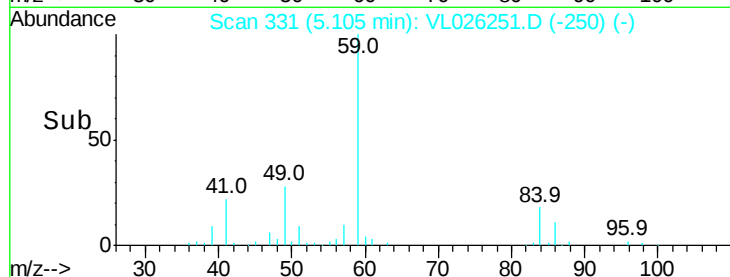


Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->



#18

1,1-Dichloroethene

Concen: 10.91 ppbv

RT: 5.06 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

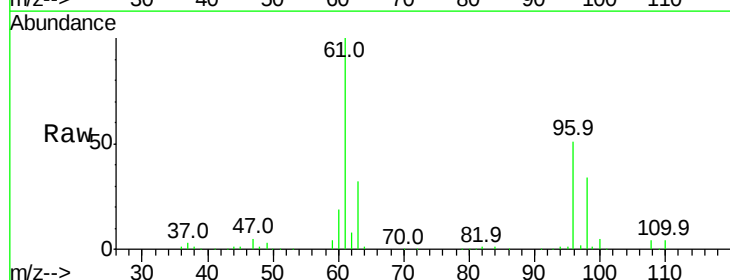
Tgt Ion: 96 Resp: 306343

Ion Ratio Lower Upper

96 100

61 195.5 153.7 230.5

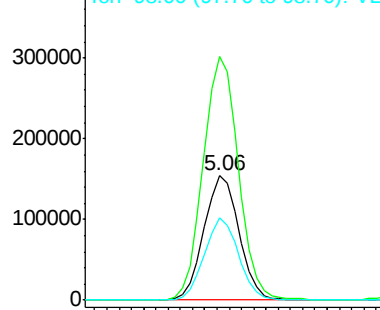
98 65.8 51.6 77.4



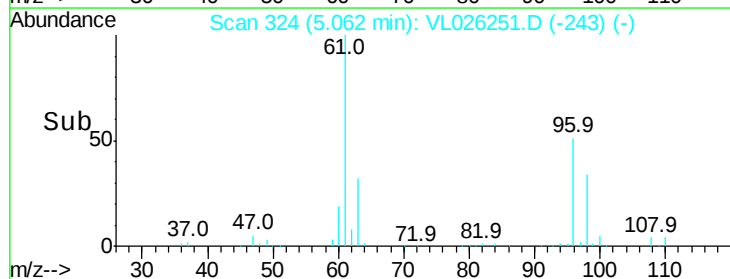
Abundance Ion 96.00 (95.70 to 96.70): VL0

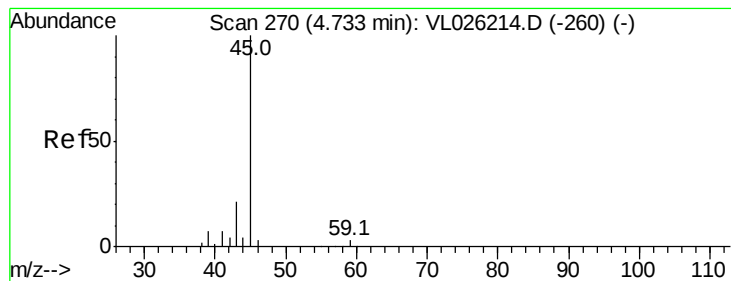
Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->





#19

Isopropyl Alcohol

Concen: 12.19 ppbv

RT: 4.73 min Scan# 270

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

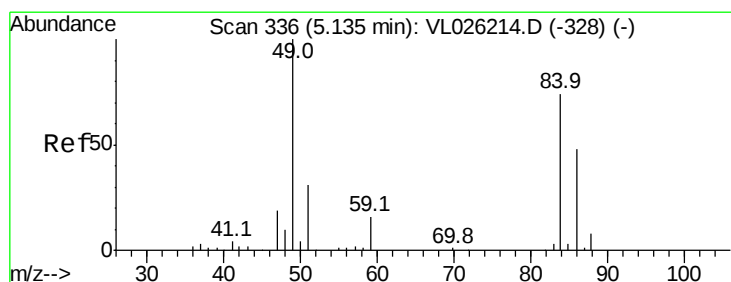
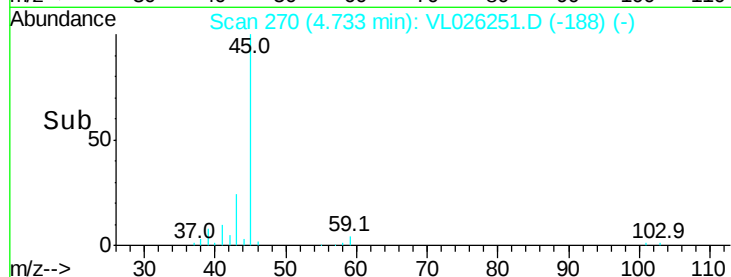
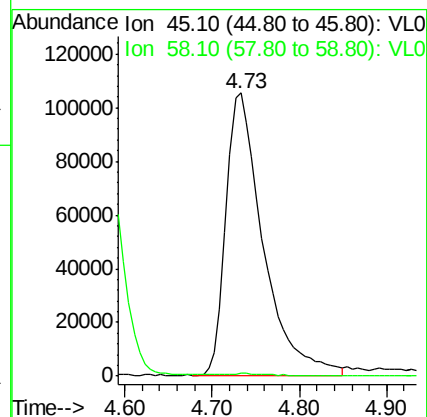
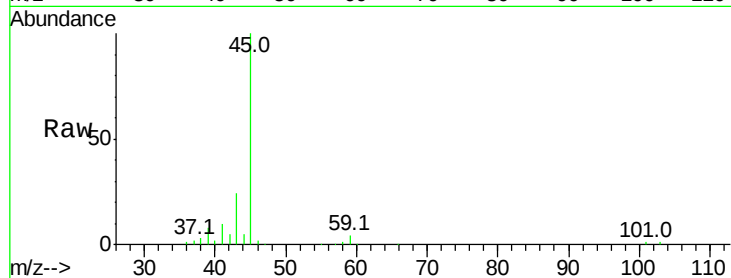
VSTDCCC010EC

Tgt Ion: 45 Resp: 314504

Ion Ratio Lower Upper

45 100

58 53.7 40.3 60.5



#20

Methylene Chloride

Concen: 10.66 ppbv

RT: 5.13 min Scan# 335

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion: 84 Resp: 280620

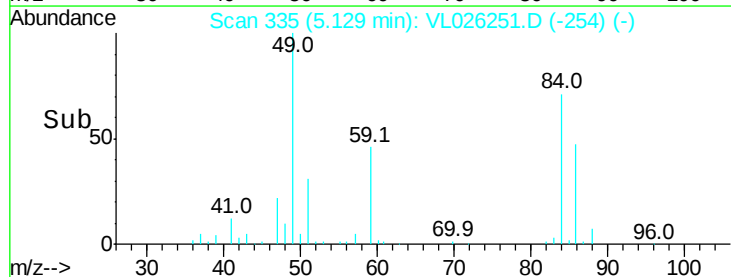
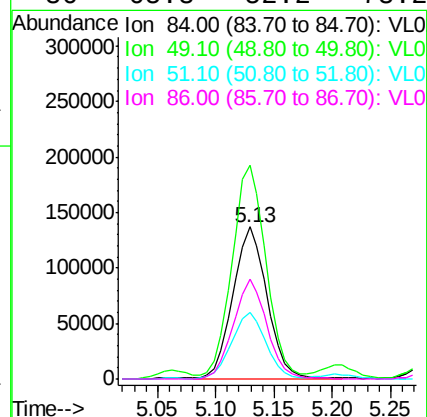
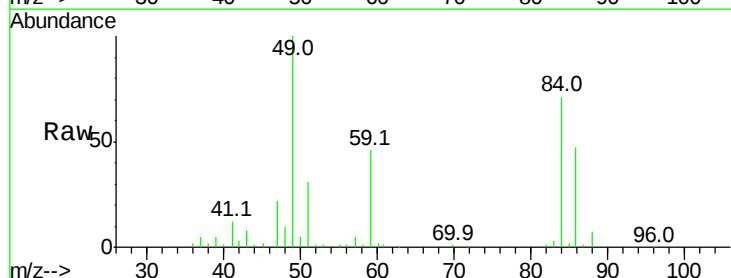
Ion Ratio Lower Upper

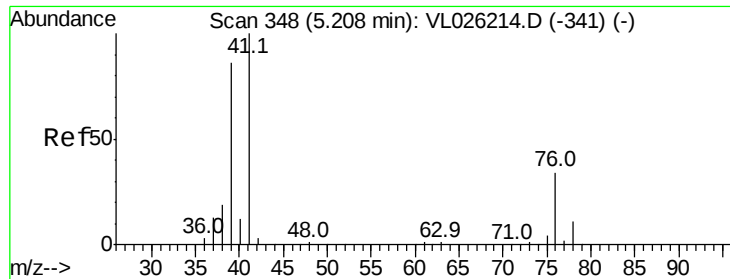
84 100

49 138.8 108.7 163.1

51 43.4 33.7 50.5

86 65.8 52.2 78.2

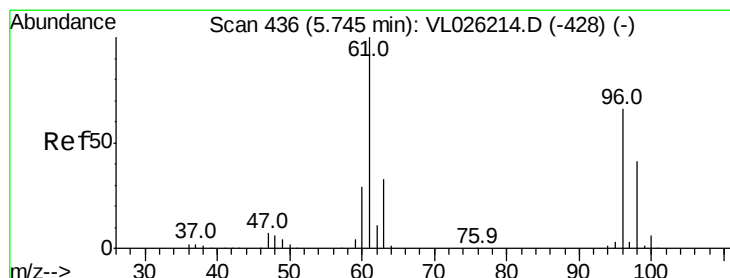
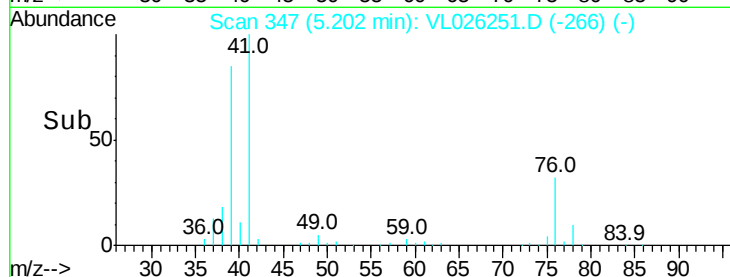
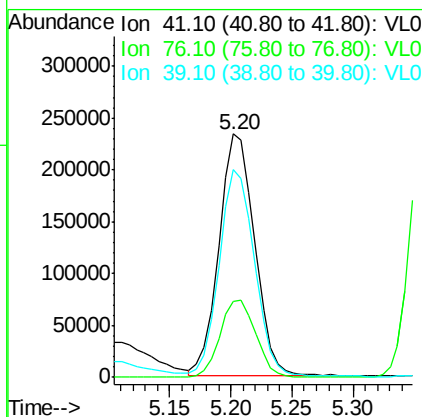
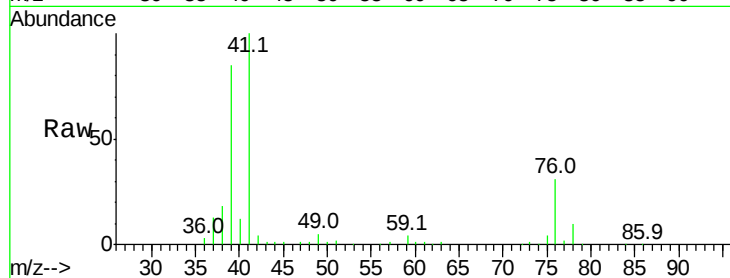




#21
 Allyl Chloride
 Concen: 10.92 ppbv
 RT: 5.20 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

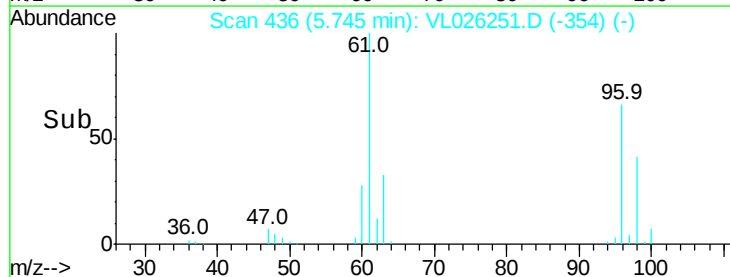
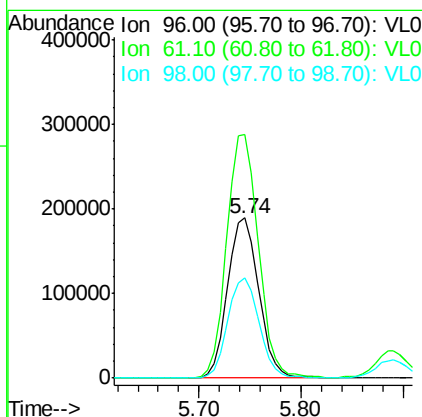
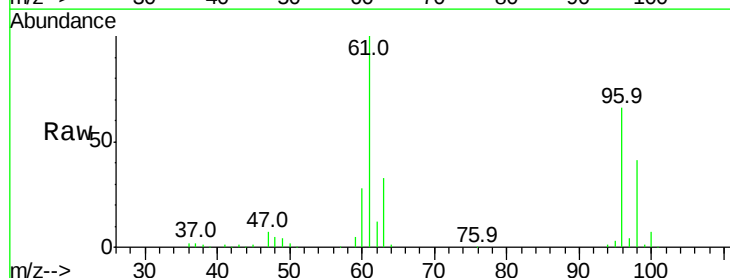
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

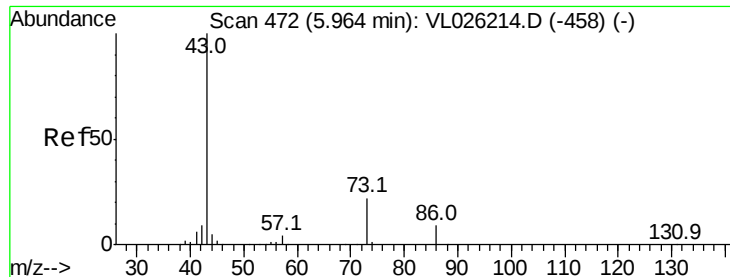
Tgt Ion: 41 Resp: 470714
 Ion Ratio Lower Upper
 41 100
 76 32.5 26.6 39.8
 39 85.9 67.4 101.2



#22
 trans-1,2-Dichloroethene
 Concen: 11.09 ppbv
 RT: 5.74 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion: 96 Resp: 401446
 Ion Ratio Lower Upper
 96 100
 61 152.0 121.5 182.3
 98 62.8 49.7 74.5





#23

Vinyl Acetate

Concen: 10.97 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

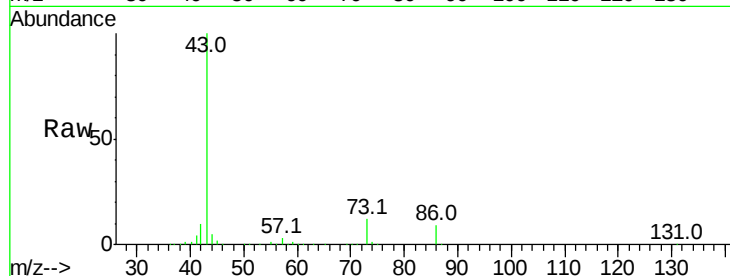
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1335013

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.0	10.6
42	9.5	7.5	11.3
44	4.7	3.6	5.4

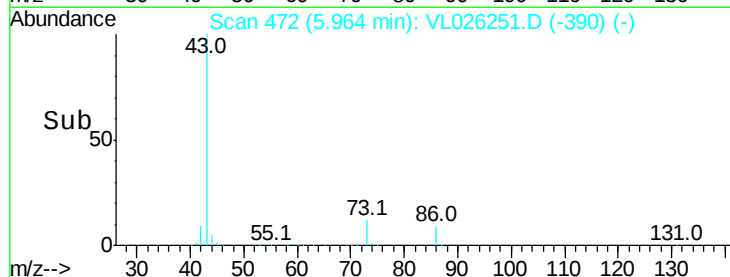


Abundance Ion 43.10 (42.80 to 43.80): VL0

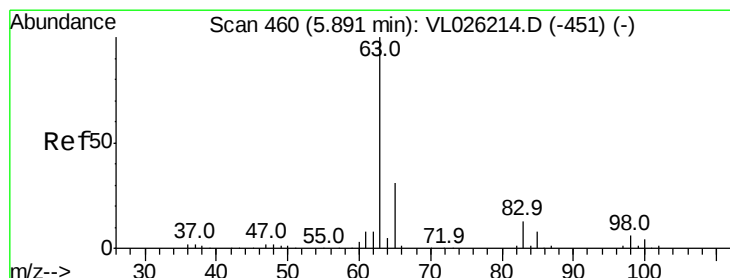
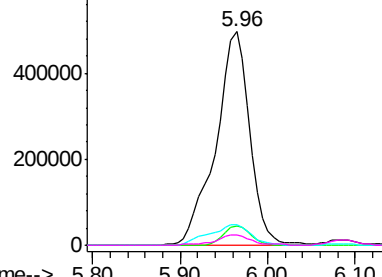
Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->



#24

1,1-Dichloroethane

Concen: 11.08 ppbv

RT: 5.89 min Scan# 460

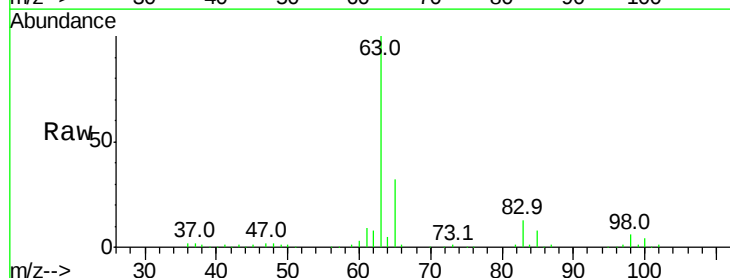
Delta R.T. 0.00 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion: 63 Resp: 849784

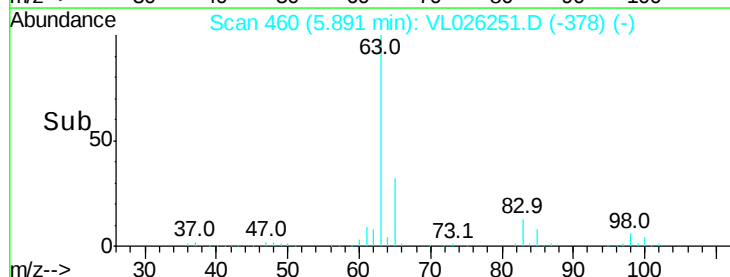
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.8
100	3.6	1.8	5.5



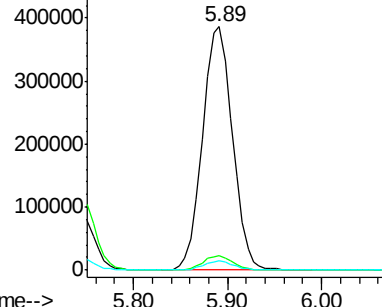
Abundance Ion 63.10 (62.80 to 63.80): VL0

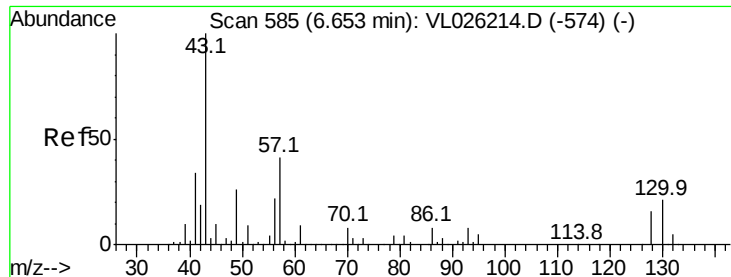
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->





#25

Ethyl Acetate

Concen: 10.66 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1318953

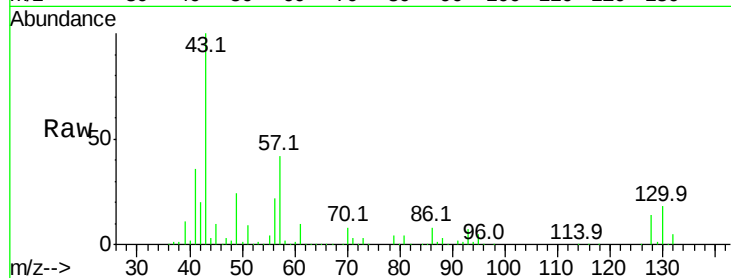
Ion Ratio Lower Upper

43 100

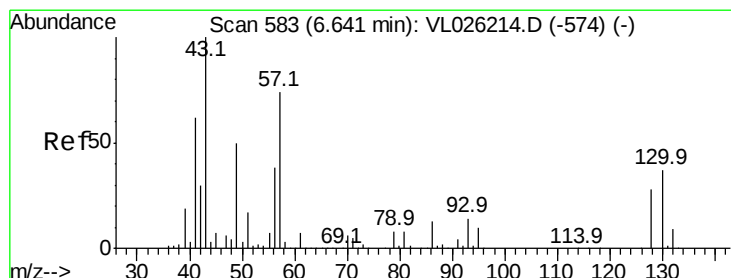
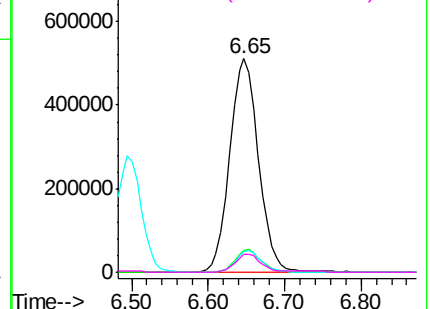
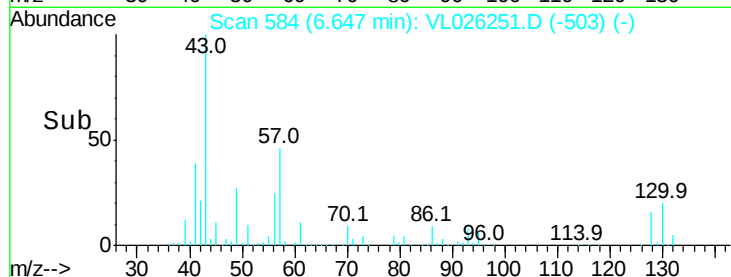
45 9.6 7.7 11.5

61 9.2 7.5 11.3

70 8.5 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: 10.54 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion: 57 Resp: 651384

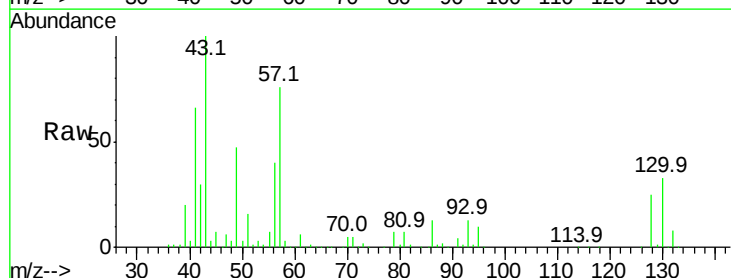
Ion Ratio Lower Upper

57 100

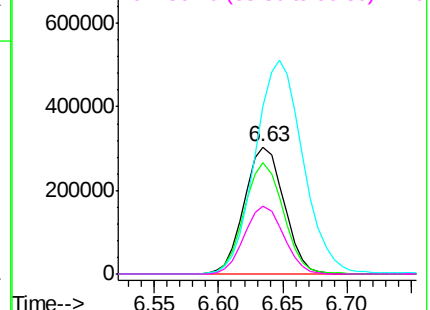
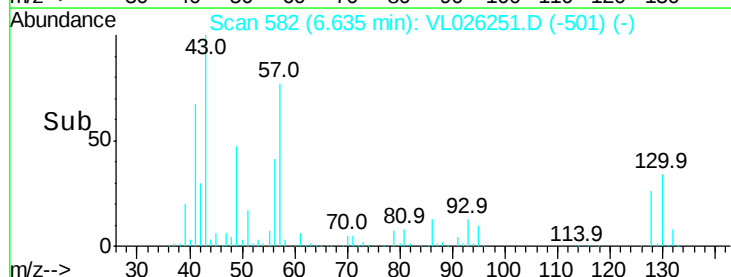
41 87.1 68.1 102.1

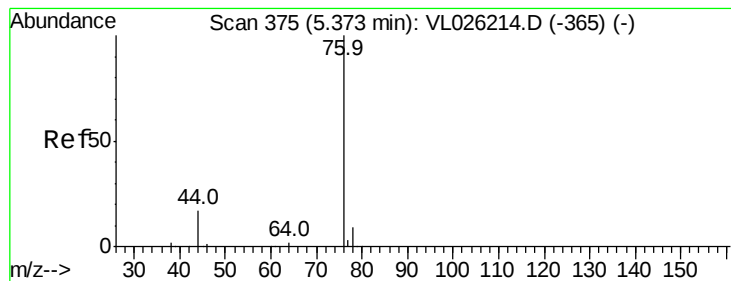
43 203.6 163.4 245.2

56 52.7 42.2 63.4



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: 11.04 ppbv

RT: 5.37 min Scan# 374

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

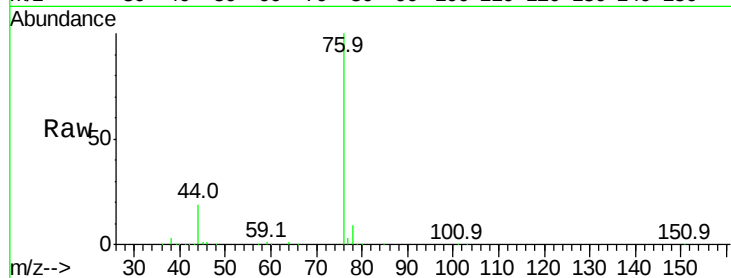
Tgt Ion: 76 Resp: 872621

Ion Ratio Lower Upper

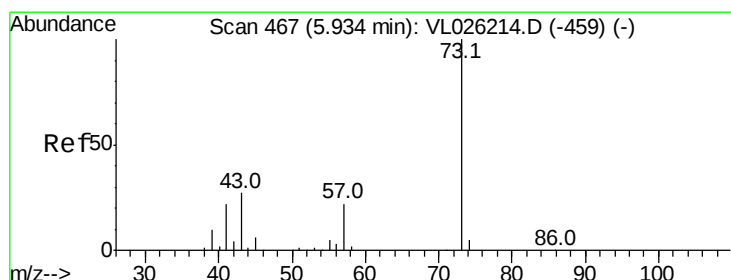
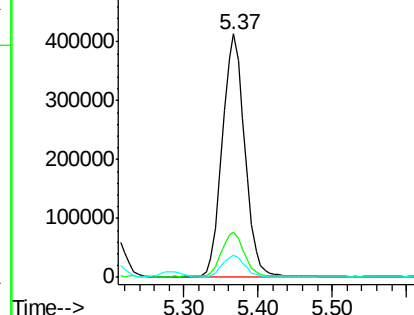
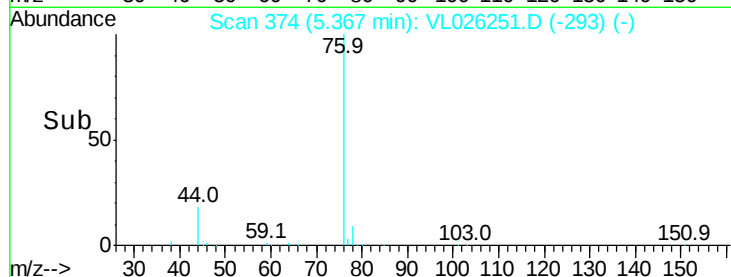
76 100

44 18.5 14.0 21.0

78 9.3 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: 10.76 ppbv

RT: 5.93 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL026251.D

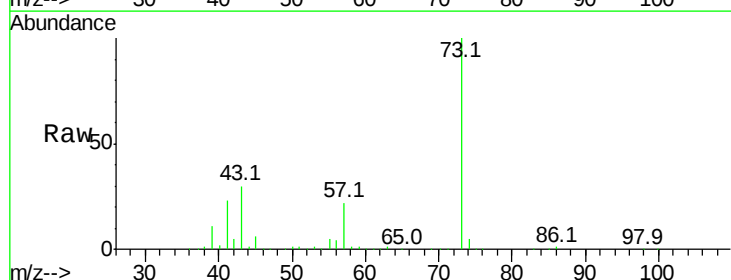
Acq: 21 Oct 2015 23:40

Tgt Ion: 73 Resp: 1209382

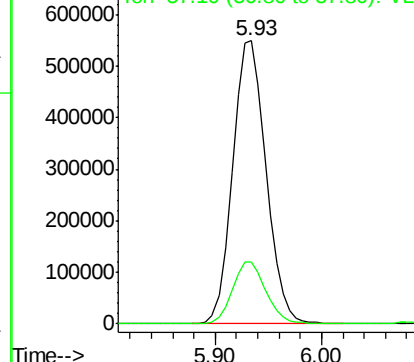
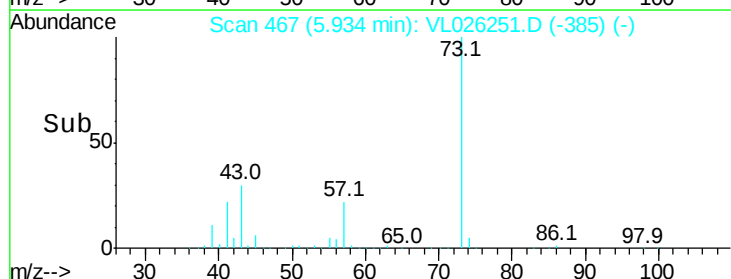
Ion Ratio Lower Upper

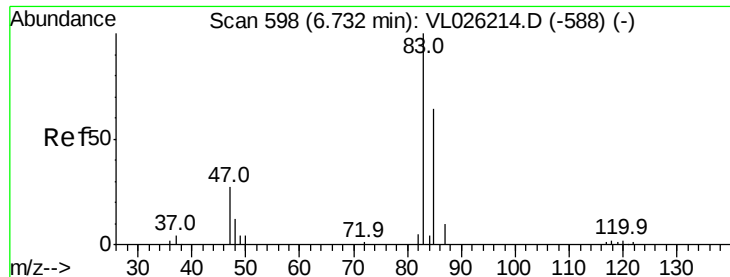
73 100

57 22.1 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

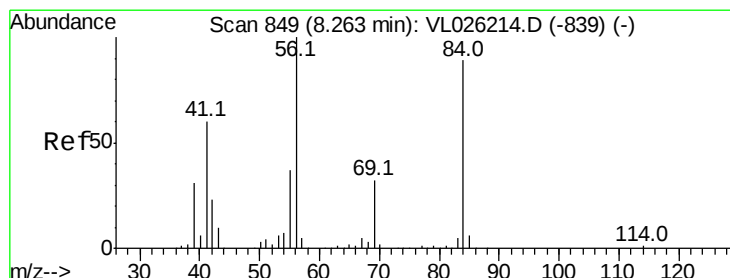
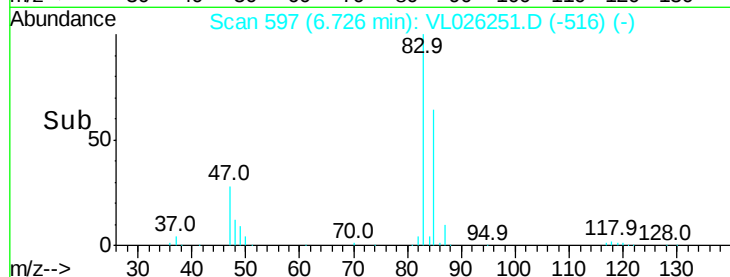
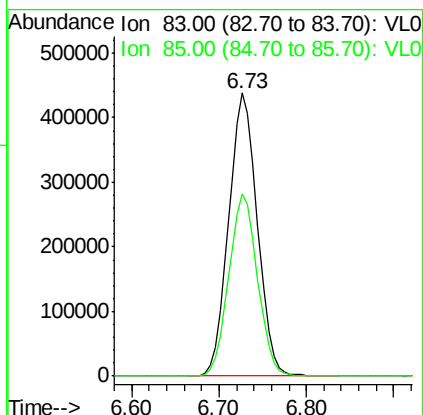
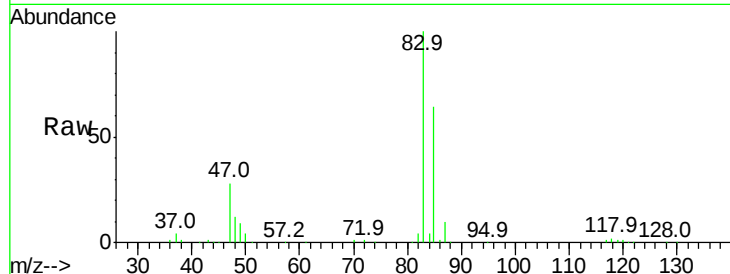




#29
Chloroform
Concen: 11.11 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

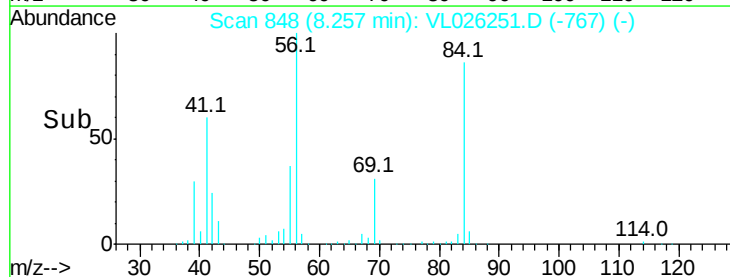
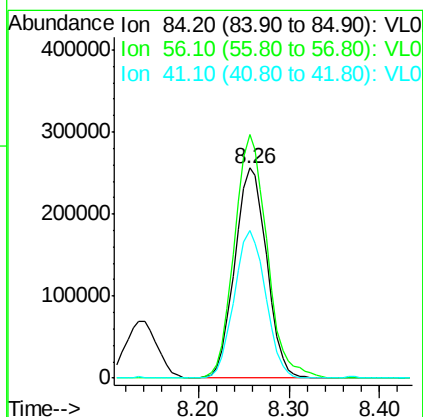
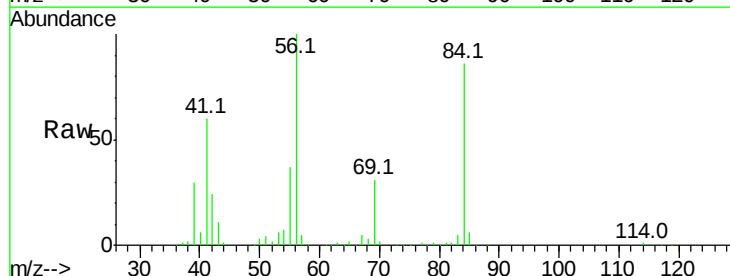
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

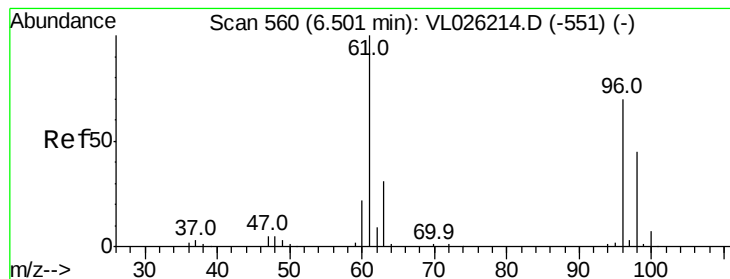
Tgt Ion: 83 Resp: 996729
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3



#30
Cyclohexane
Concen: 10.12 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 84 Resp: 625908
Ion Ratio Lower Upper
84 100
56 119.1 95.9 143.9
41 69.3 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 11.12 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

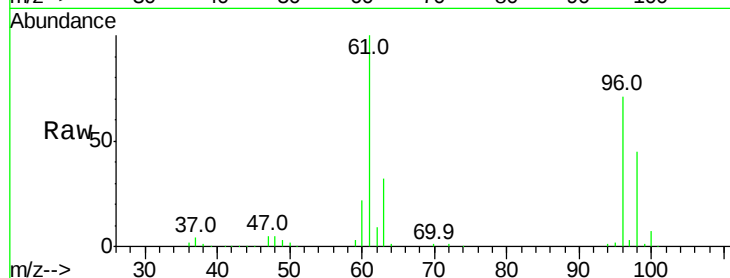
Tgt Ion: 61 Resp: 623911

Ion Ratio Lower Upper

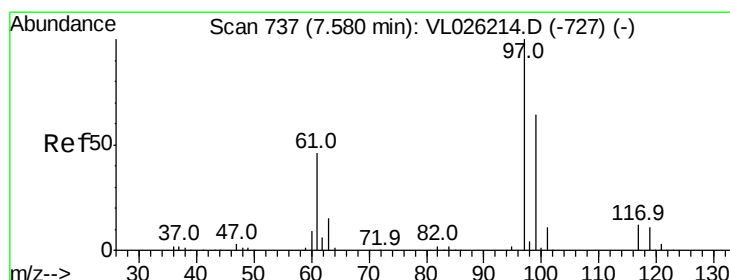
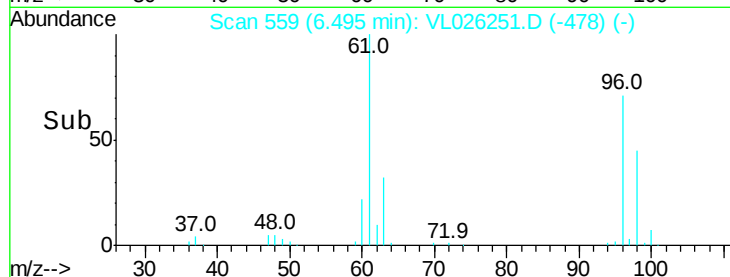
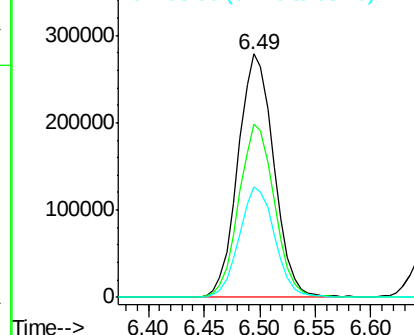
61 100

96 70.9 56.0 84.0

98 45.2 36.1 54.1



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: 10.37 ppbv

RT: 7.57 min Scan# 736

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

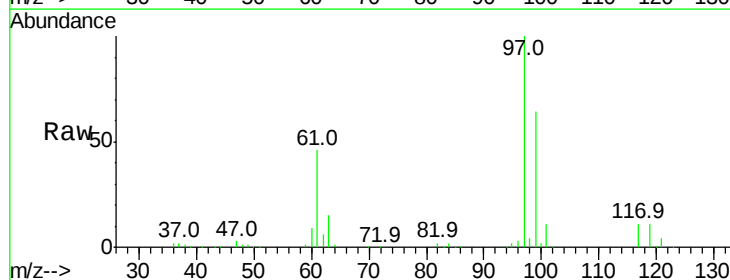
Tgt Ion: 97 Resp: 1031434

Ion Ratio Lower Upper

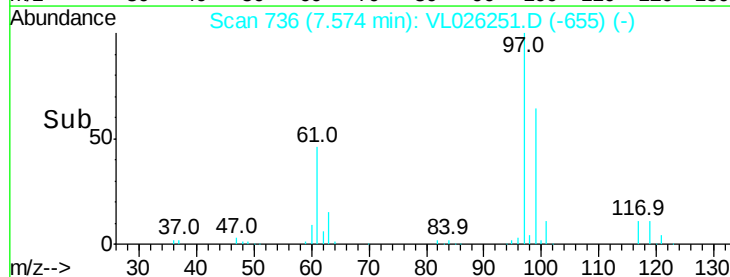
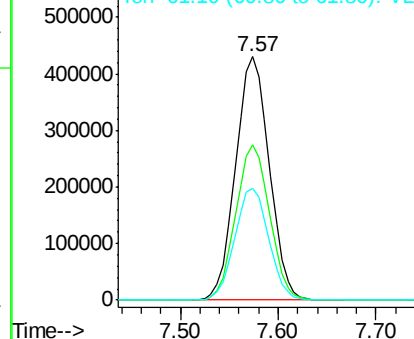
97 100

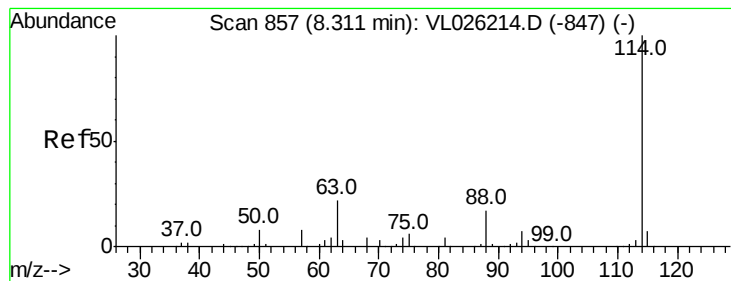
99 63.8 51.4 77.0

61 46.4 36.2 54.4



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: 8.31 min Scan# 856

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

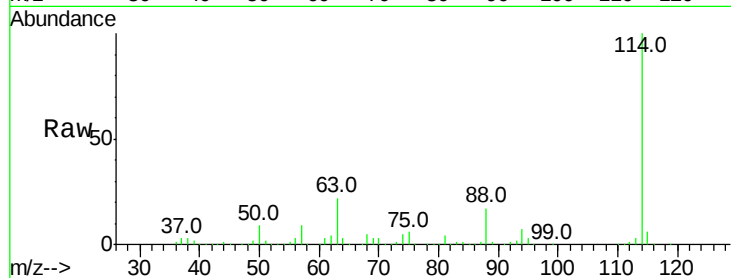
Tgt Ion:114 Resp: 1308204

Ion Ratio Lower Upper

114 100

63 23.2 18.2 27.4

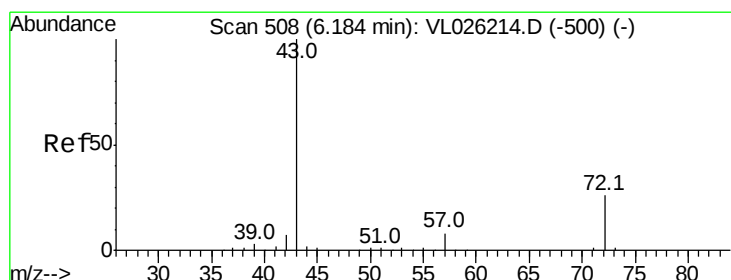
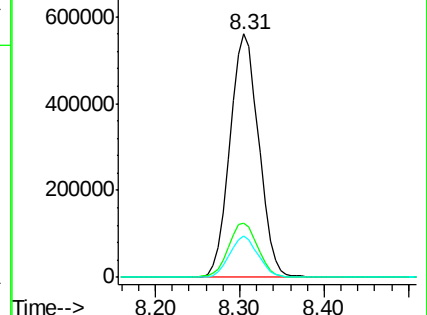
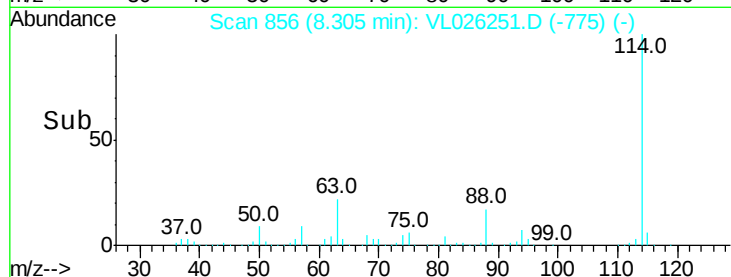
88 16.6 13.5 20.3



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 11.24 ppbv

RT: 6.18 min Scan# 507

Delta R.T. -0.01 min

Lab File: VL026251.D

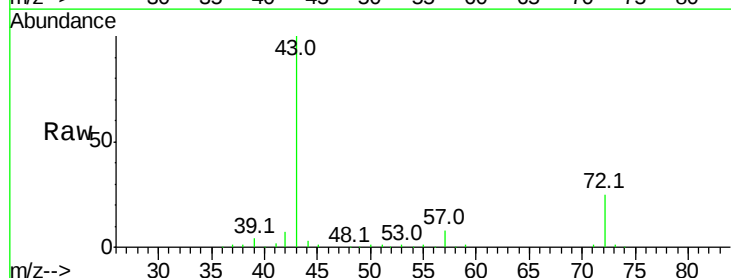
Acq: 21 Oct 2015 23:40

Tgt Ion: 43 Resp: 831011

Ion Ratio Lower Upper

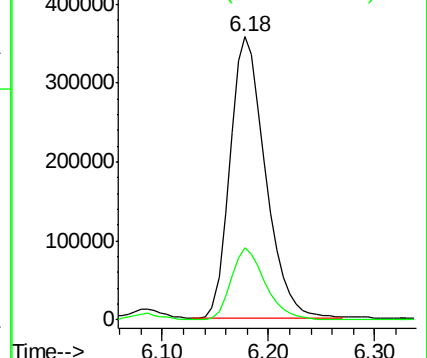
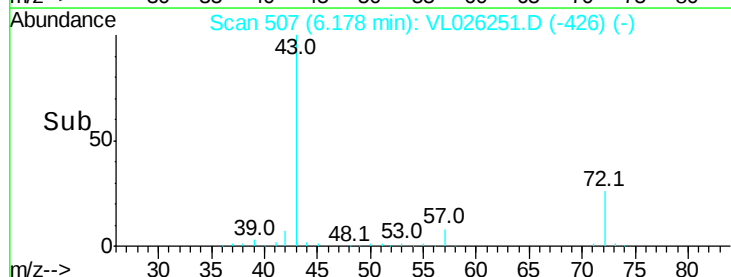
43 100

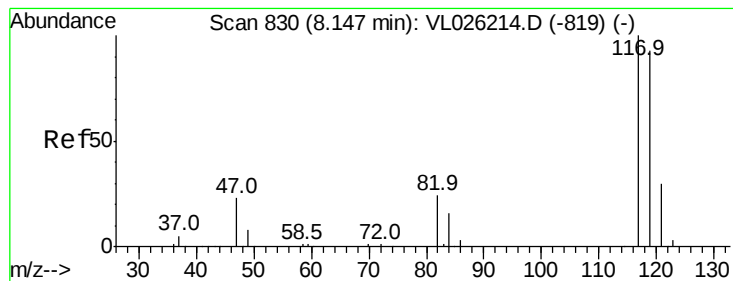
72 25.0 20.1 30.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.27 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

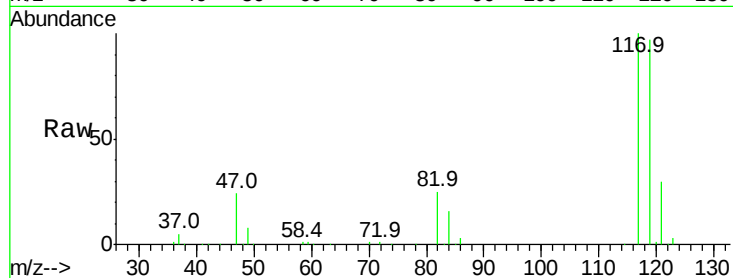
Tgt Ion:117 Resp: 1023582

Ion Ratio Lower Upper

117 100

119 97.1 74.6 111.8

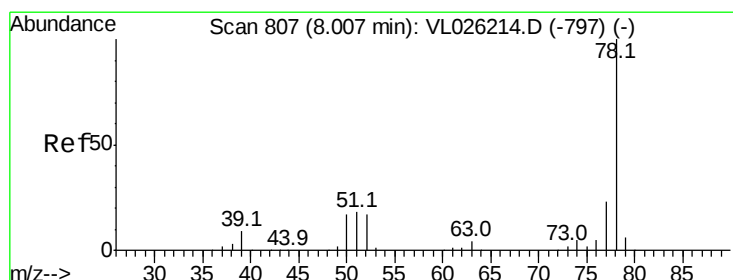
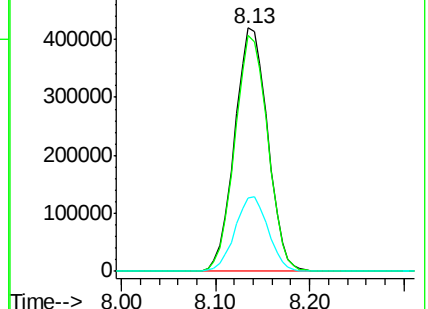
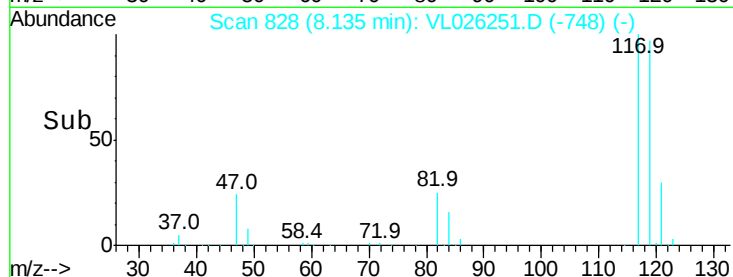
121 30.1 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.62 ppbv

RT: 8.00 min Scan# 806

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

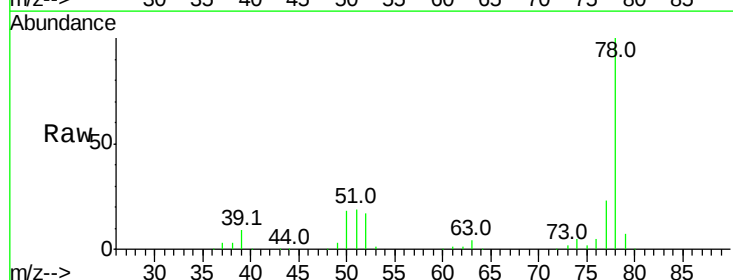
Tgt Ion: 78 Resp: 1414967

Ion Ratio Lower Upper

78 100

77 23.3 18.1 27.1

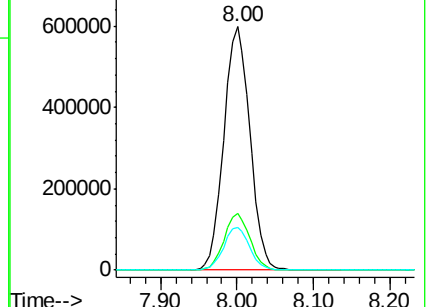
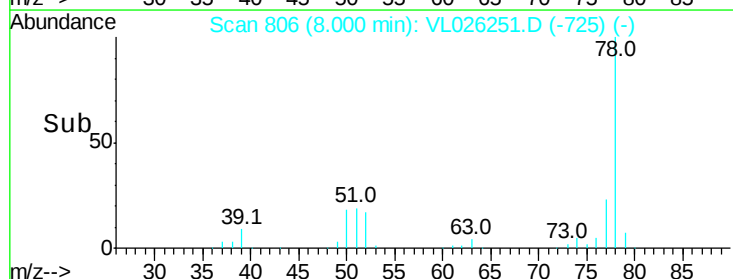
50 17.5 13.8 20.8

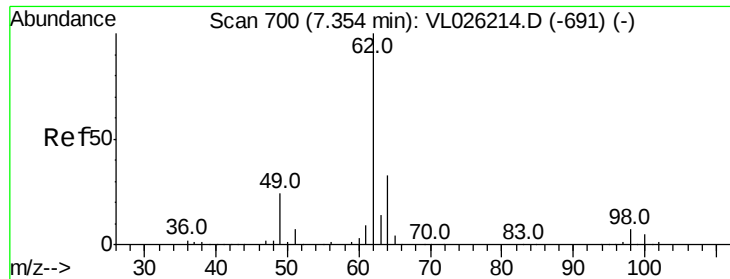


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

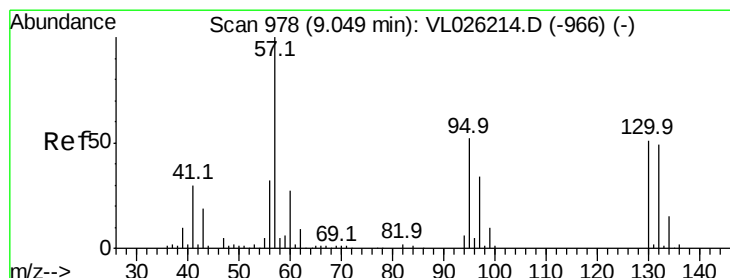
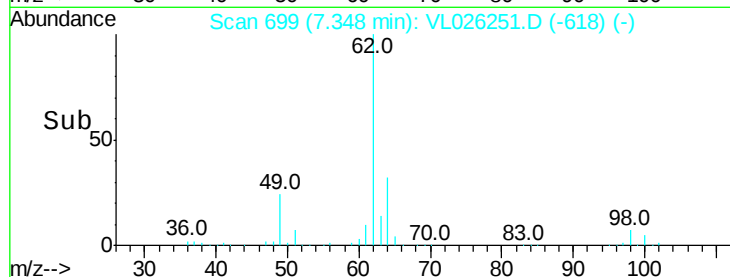
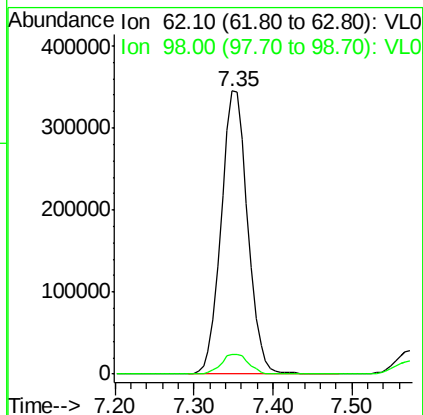
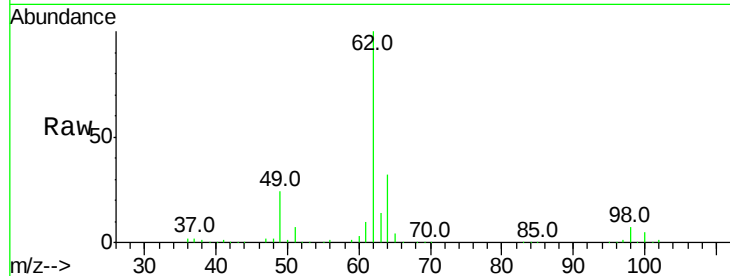




#37
 1,2-Dichloroethane
 Concen: 11.82 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

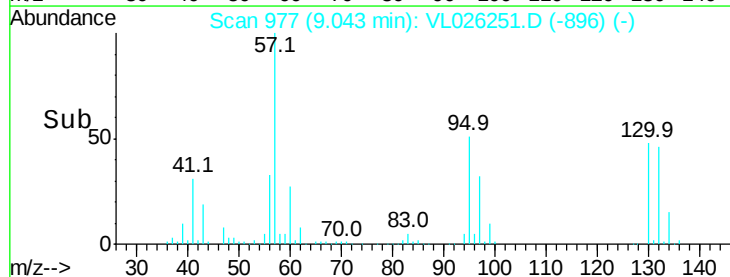
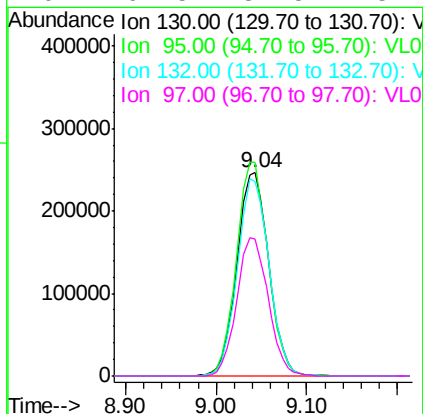
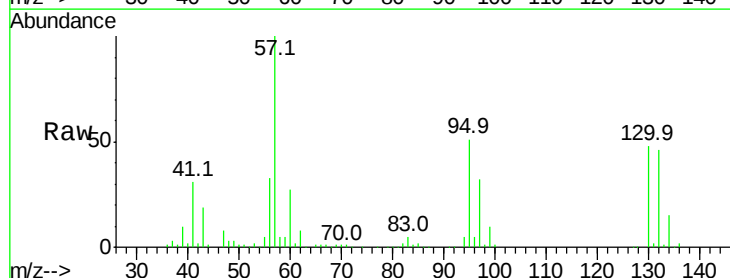
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

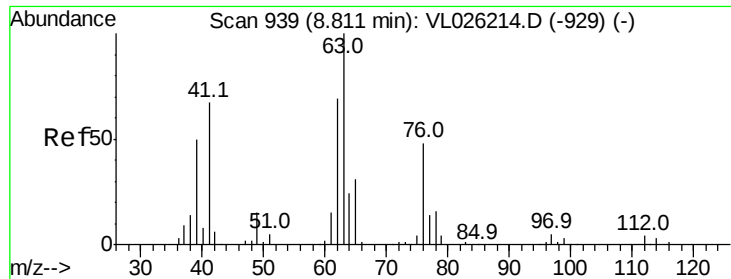
Tgt Ion: 62 Resp: 809724
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.1 9.1



#38
 Trichloroethene
 Concen: 9.32 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion:130 Resp: 602365
 Ion Ratio Lower Upper
 130 100
 95 105.1 81.0 121.4
 132 95.9 76.5 114.7
 97 67.5 52.5 78.7

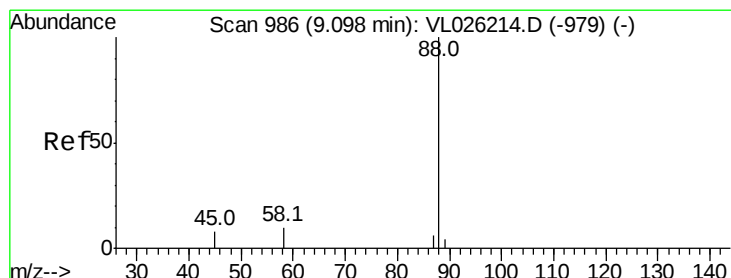
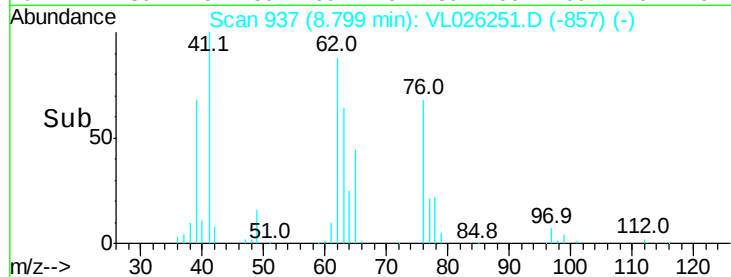
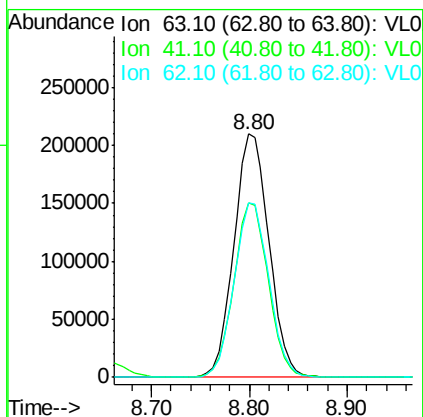
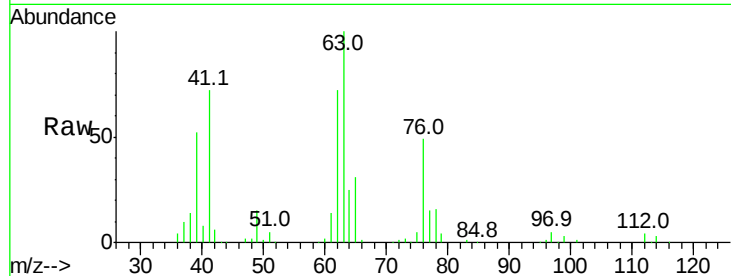




#39
 1,2-Dichloropropane
 Concen: 11.13 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

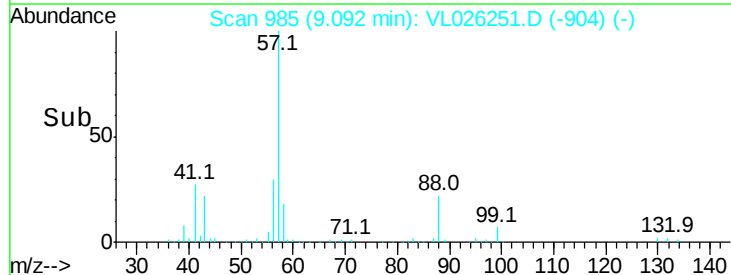
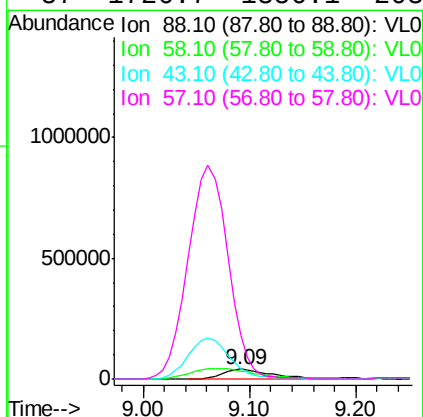
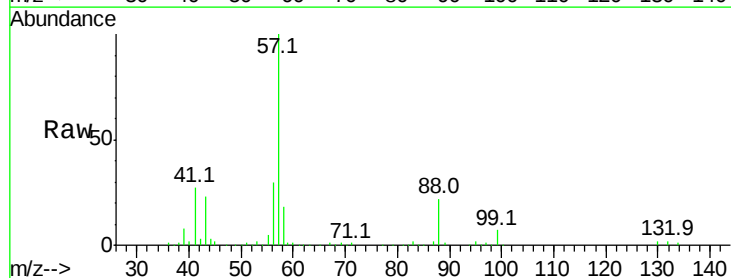
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

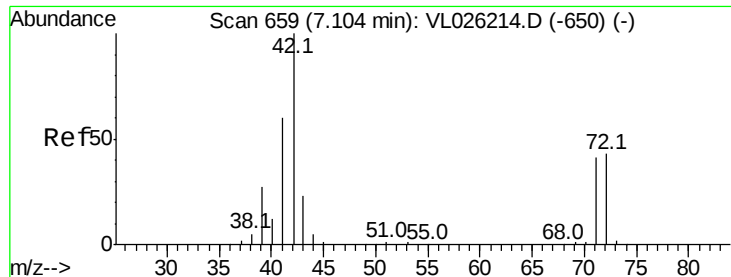
Tgt Ion: 63 Resp: 521644
 Ion Ratio Lower Upper
 63 100
 41 71.4 53.2 79.8
 62 71.8 55.4 83.2



#40
 1,4-Dioxane
 Concen: 15.19 ppbv
 RT: 9.09 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion: 88 Resp: 133782
 Ion Ratio Lower Upper
 88 100
 58 147.3 115.4 173.2
 43 350.9 272.6 409.0
 57 1726.7 1356.1 2034.1





#41

Tetrahydrofuran

Concen: 11.23 ppbv

RT: 7.10 min Scan# 658

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

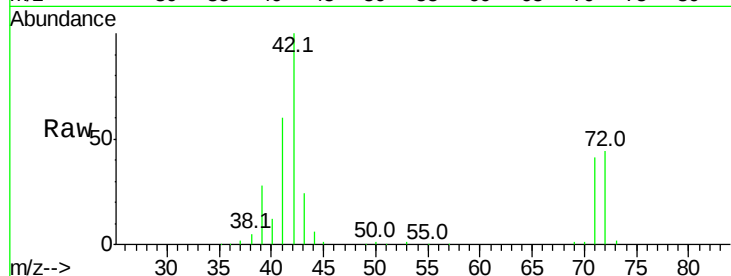
Tgt Ion: 42 Resp: 480753

Ion Ratio Lower Upper

42 100

72 42.4 34.3 51.5

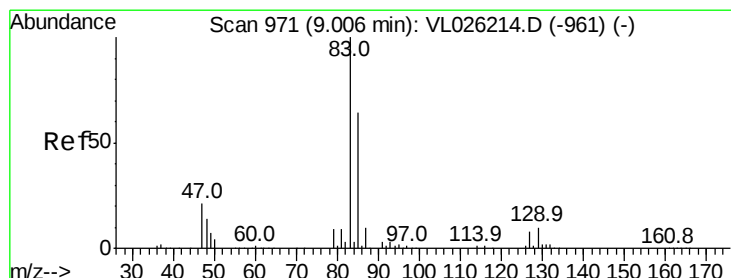
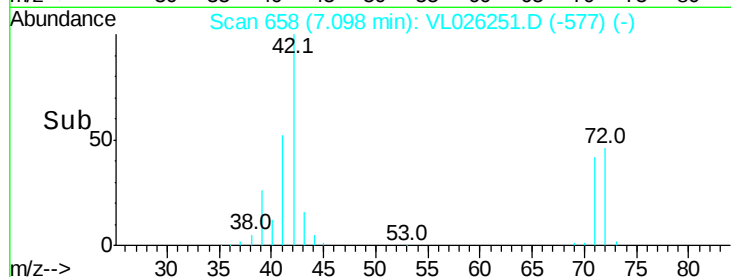
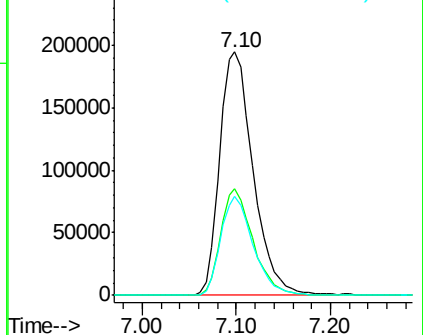
71 39.4 32.1 48.1



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: 11.41 ppbv

RT: 9.00 min Scan# 970

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

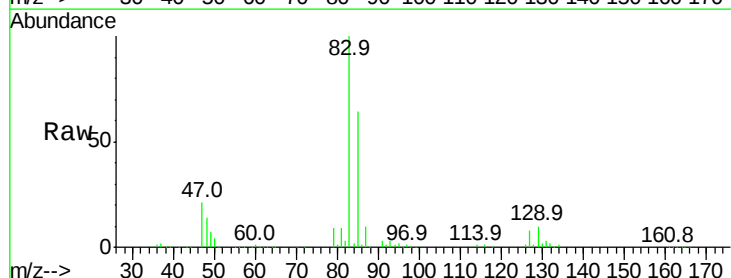
Tgt Ion: 83 Resp: 1123967

Ion Ratio Lower Upper

83 100

85 63.8 50.9 76.3

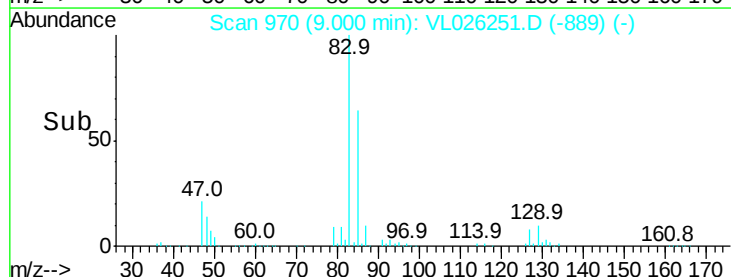
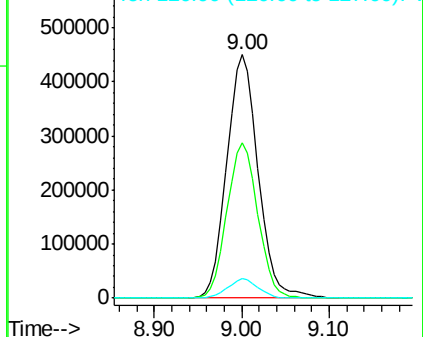
127 8.0 6.2 9.4

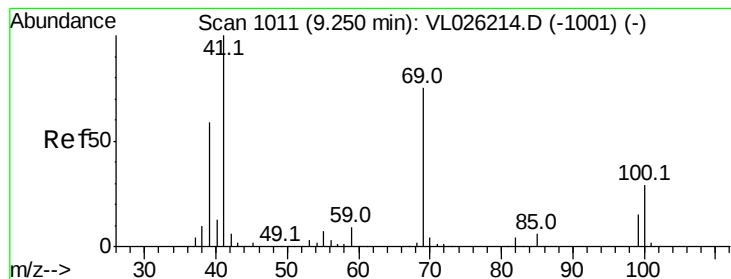


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.68 ppbv

RT: 9.24 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

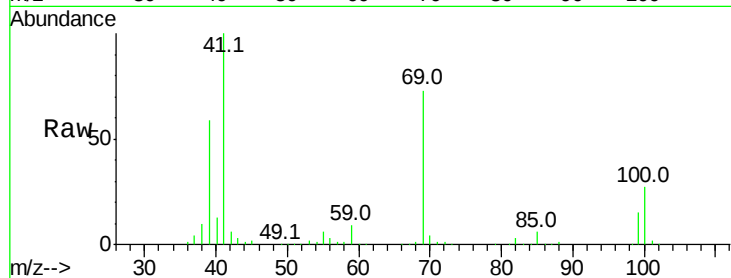
Tgt Ion: 69 Resp: 566553

Ion Ratio Lower Upper

69 100

41 137.2 108.4 162.6

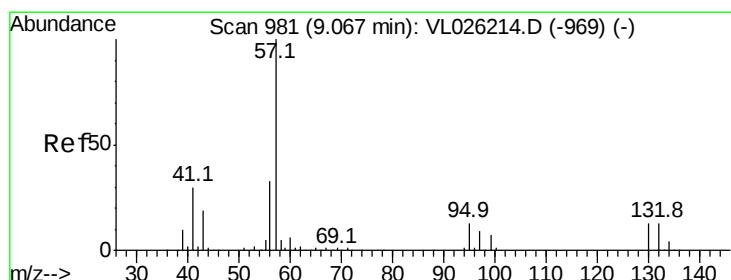
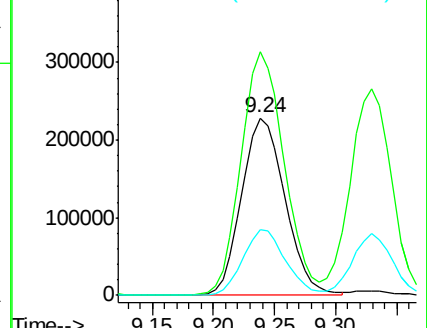
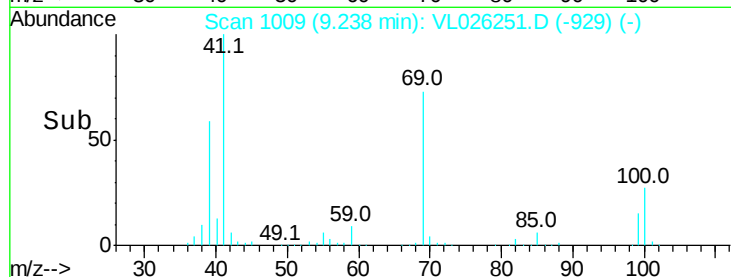
100 36.6 30.6 45.8



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.69 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

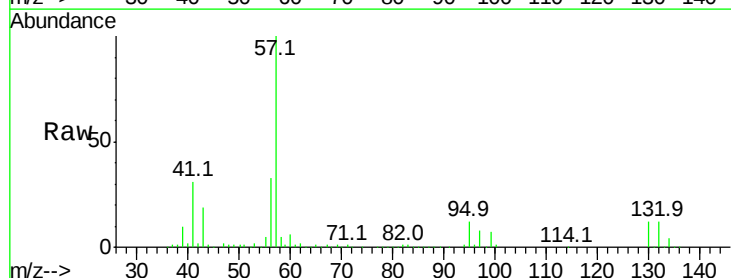
Tgt Ion: 57 Resp: 2307090

Ion Ratio Lower Upper

57 100

41 30.1 23.7 35.5

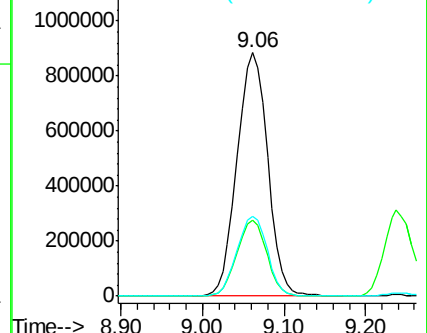
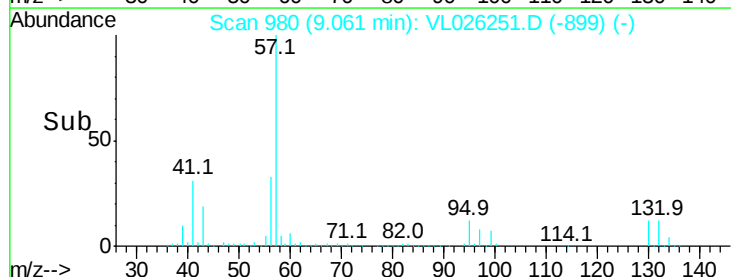
56 32.4 25.9 38.9

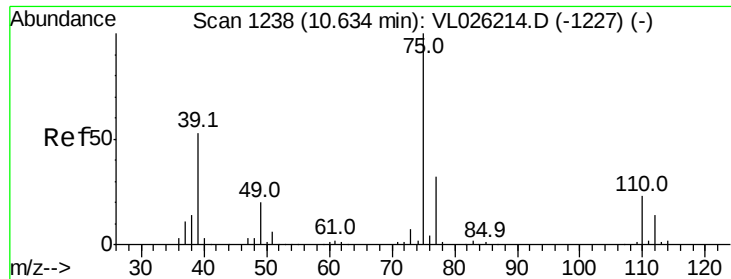


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

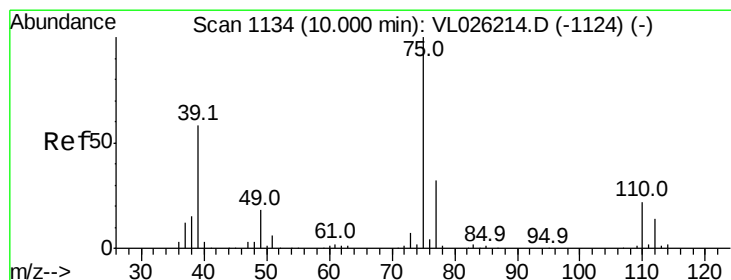
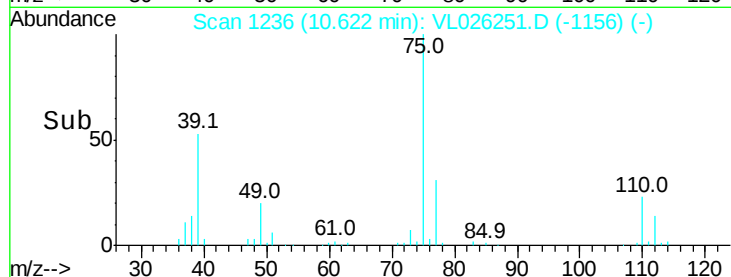
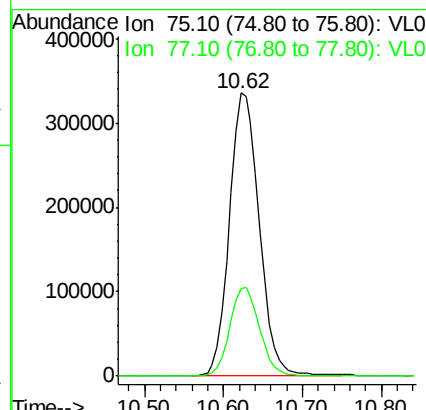
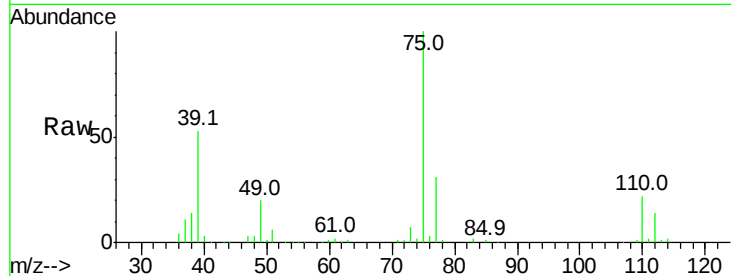




#45
 t-1,3-Dichloropropene
 Concen: 11.67 ppbv
 RT: 10.62 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

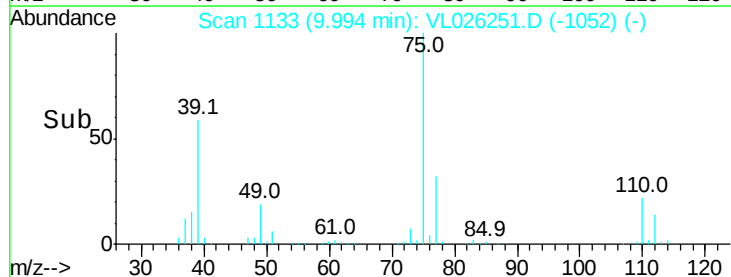
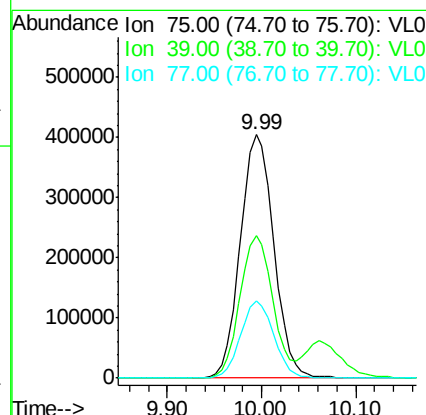
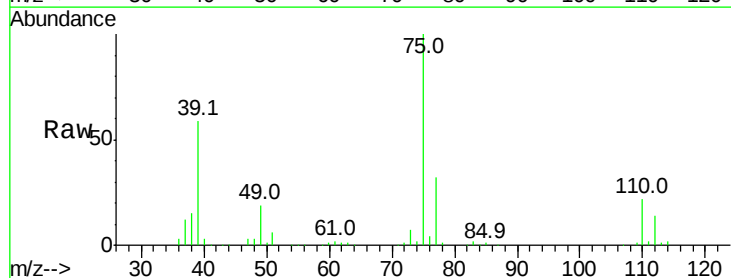
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

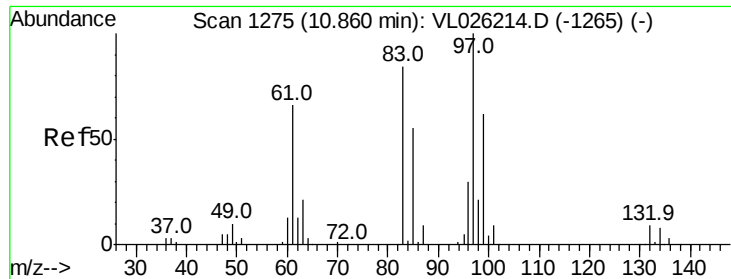
Tgt Ion: 75 Resp: 883272
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.2 37.8



#46
 cis-1,3-Dichloropropene
 Concen: 11.39 ppbv
 RT: 9.99 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion: 75 Resp: 1008945
 Ion Ratio Lower Upper
 75 100
 39 58.5 46.2 69.4
 77 31.8 25.4 38.0

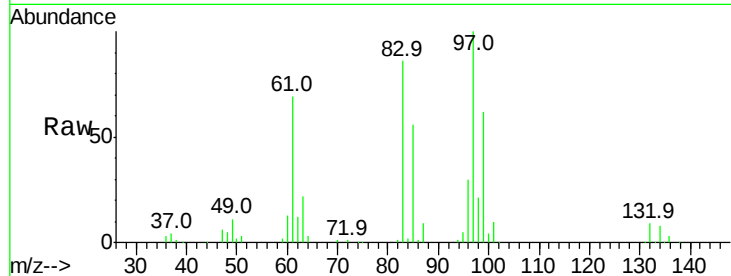




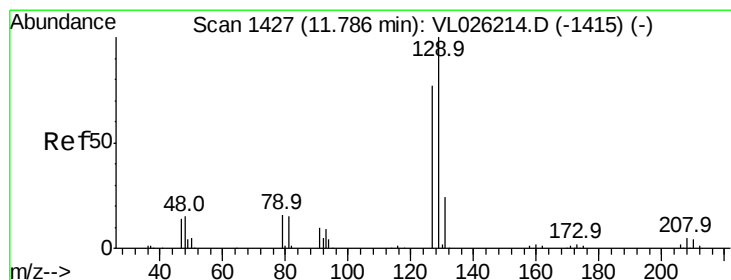
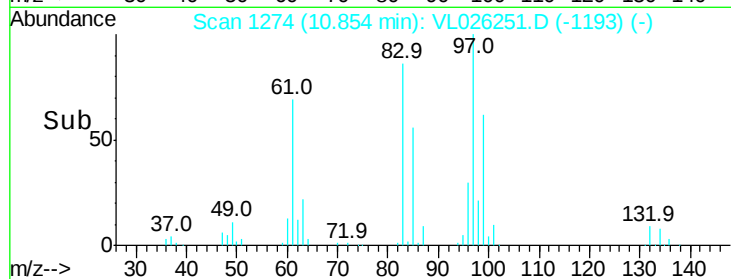
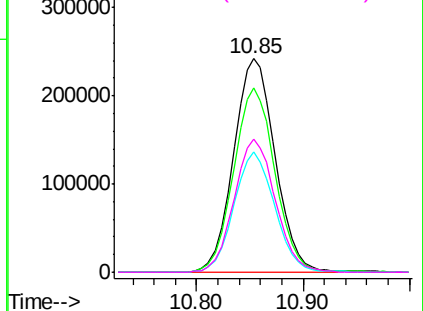
#47
 1,1,2-Trichloroethane
 Concen: 11.24 ppbv
 RT: 10.85 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 661631
 Ion Ratio Lower Upper
 97 100
 83 85.9 67.4 101.2
 85 56.2 43.8 65.6
 99 62.1 49.8 74.6

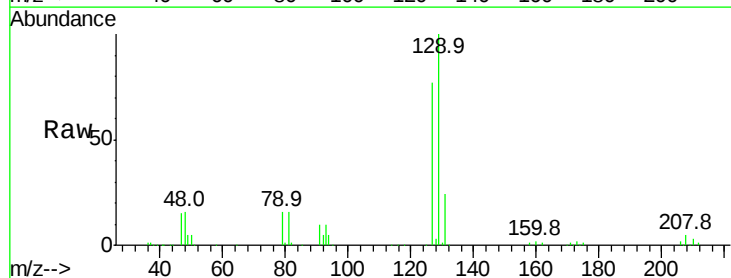


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

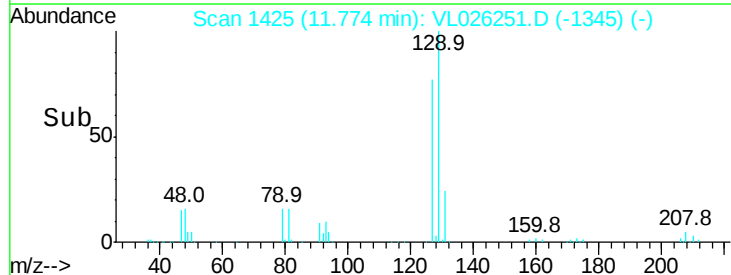
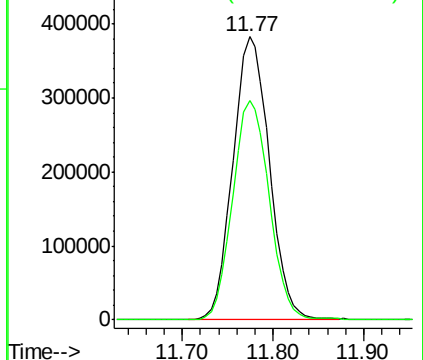


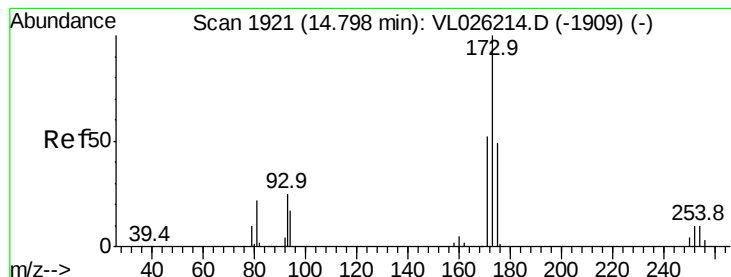
#48
 Dibromochloromethane
 Concen: 11.14 ppbv
 RT: 11.77 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion: 129 Resp: 1069053
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.1 117.5



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





#49

Bromoform

Concen: 10.78 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

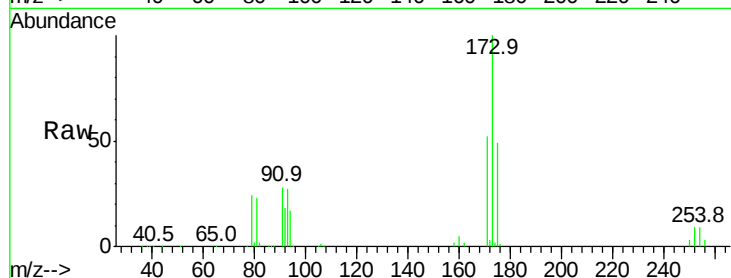
Tgt Ion:173 Resp: 873249

Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

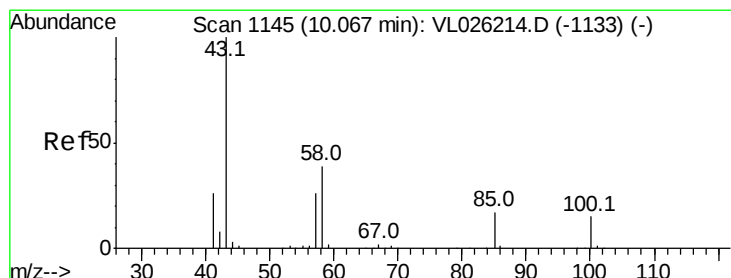
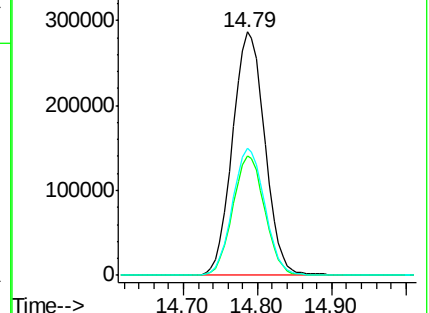
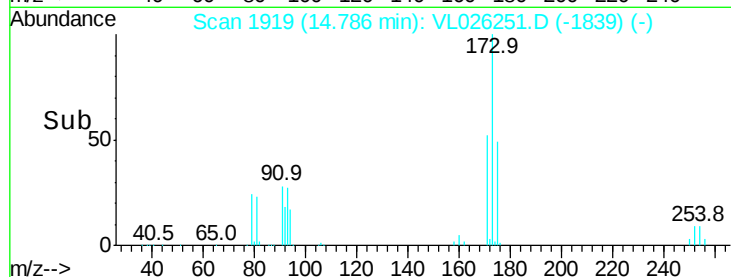
171 52.2 41.6 62.4



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: 11.82 ppbv

RT: 10.06 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VL026251.D

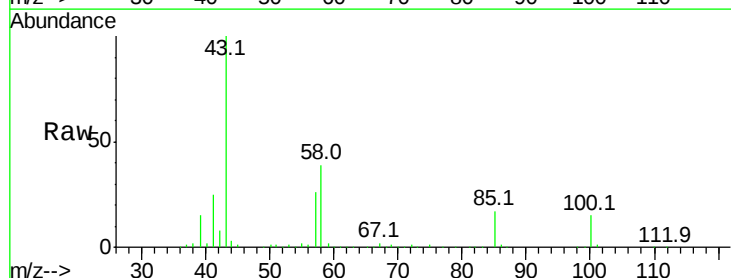
Acq: 21 Oct 2015 23:40

Tgt Ion: 43 Resp: 1179729

Ion Ratio Lower Upper

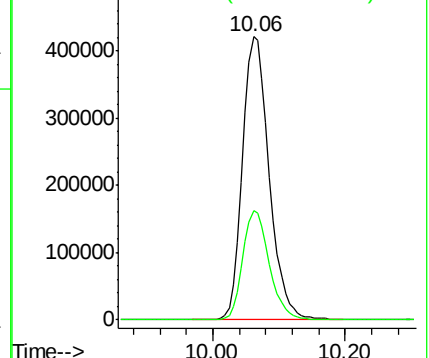
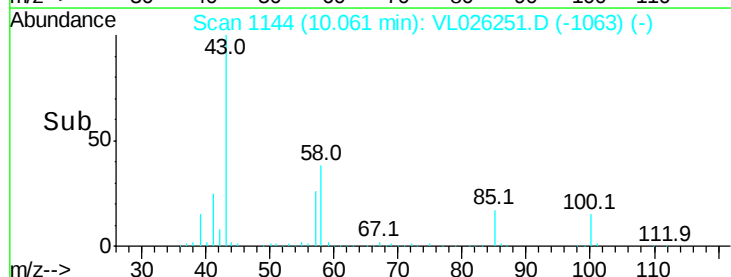
43 100

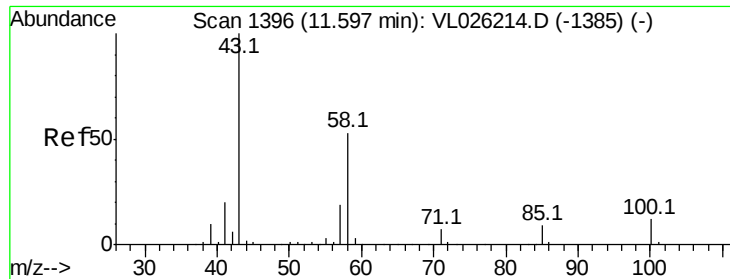
58 38.5 31.1 46.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.97 ppbv

RT: 11.59 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

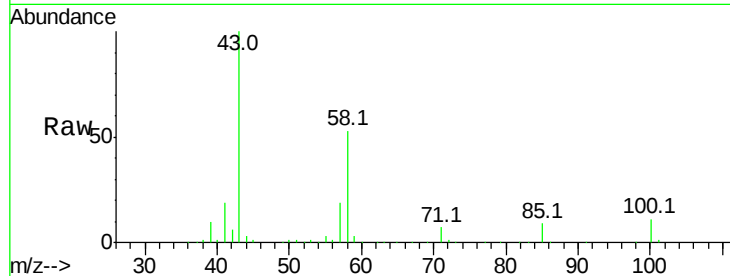
Tgt Ion: 43 Resp: 1116214

Ion Ratio Lower Upper

43 100

58 53.7 43.2 64.8

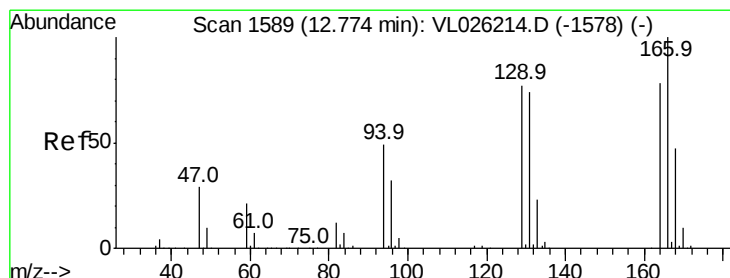
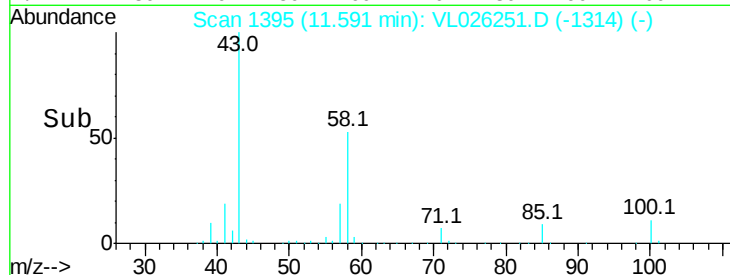
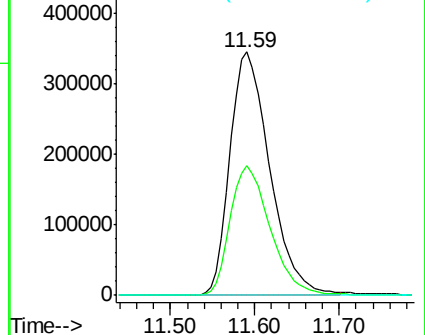
98 0.0 0.0 0.0#



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: 8.85 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion: 164 Resp: 676042

Ion Ratio Lower Upper

164 100

166 126.0 102.3 153.5

129 97.8 78.2 117.4

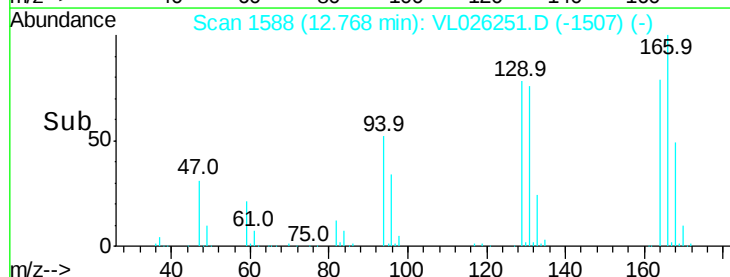
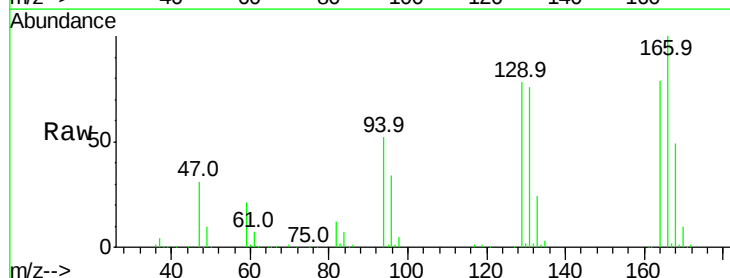
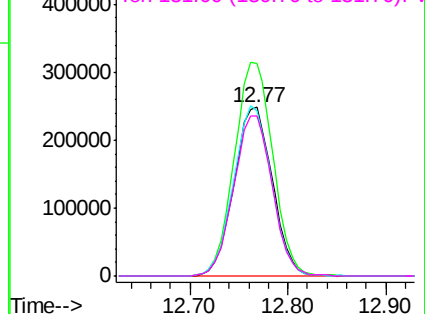
131 95.3 75.7 113.5

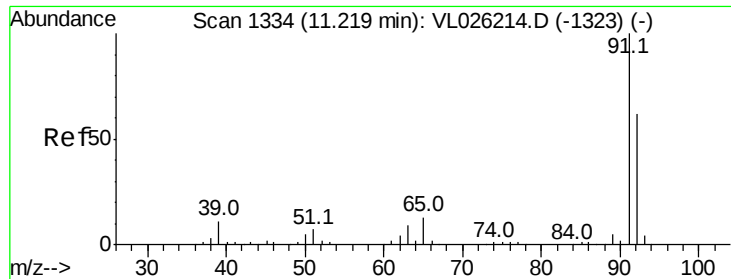
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.90 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

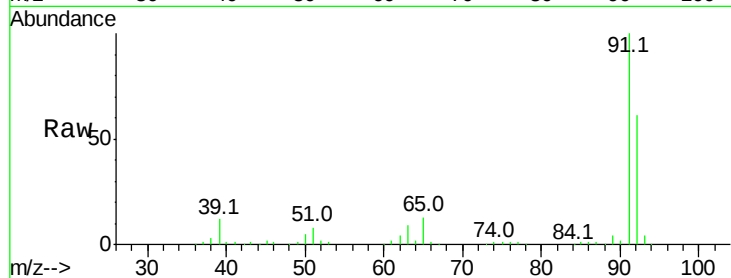
VSTDCCC010EC

Tgt Ion: 91 Resp: 1975098

Ion Ratio Lower Upper

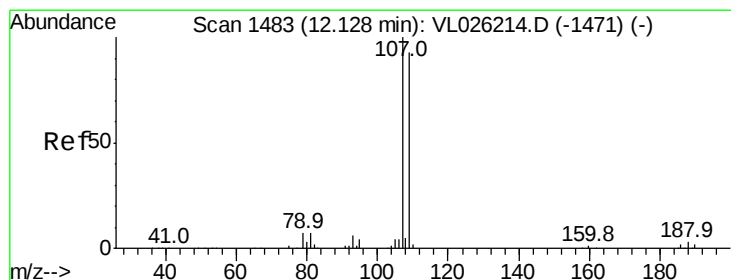
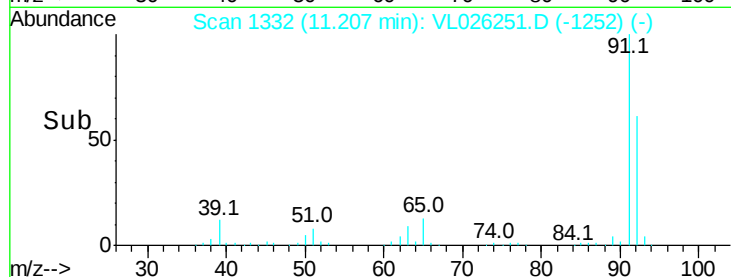
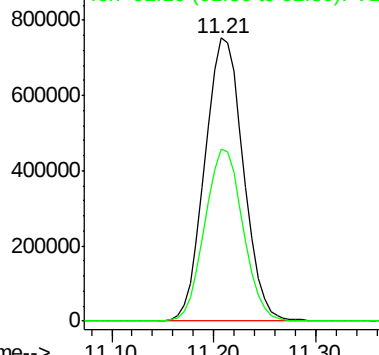
91 100

92 60.7 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.23 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL026251.D

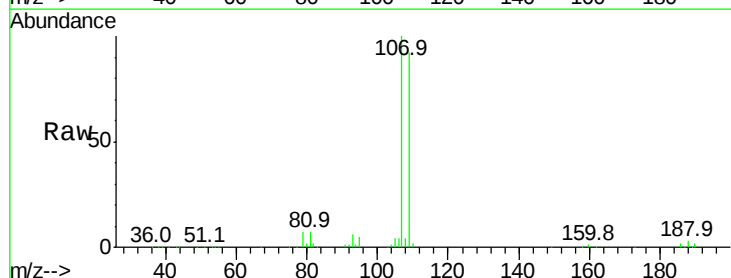
Acq: 21 Oct 2015 23:40

Tgt Ion: 107 Resp: 1022721

Ion Ratio Lower Upper

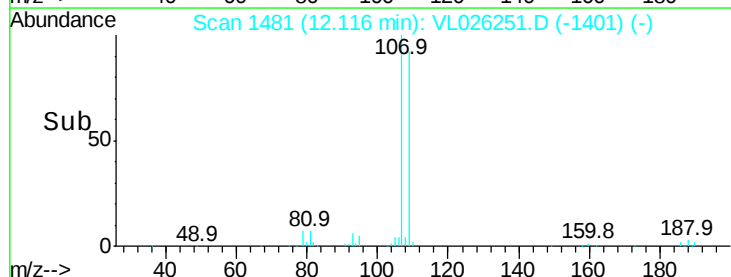
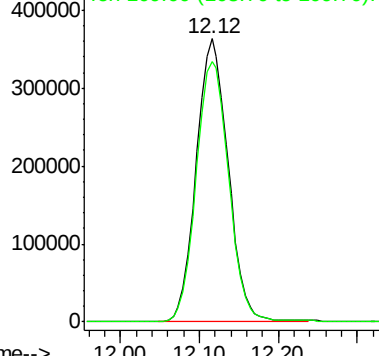
107 100

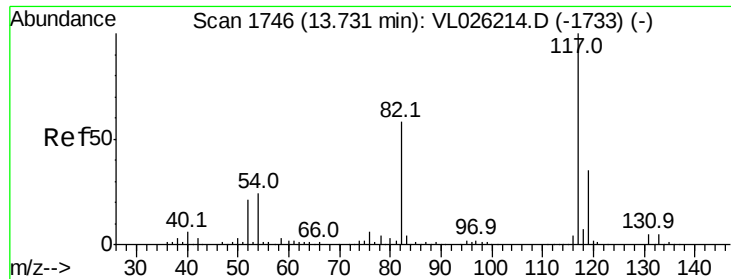
109 92.1 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

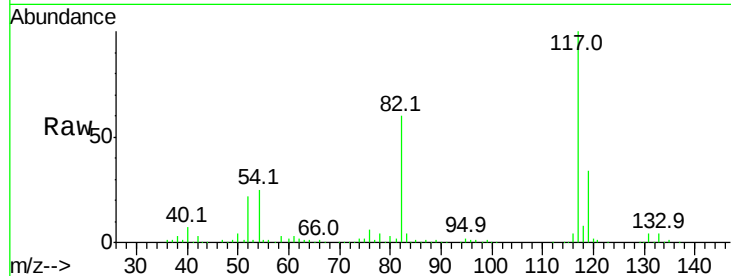




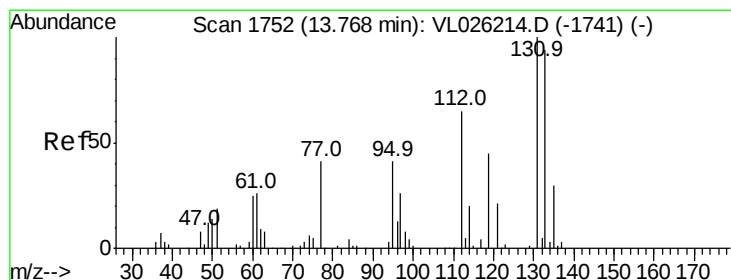
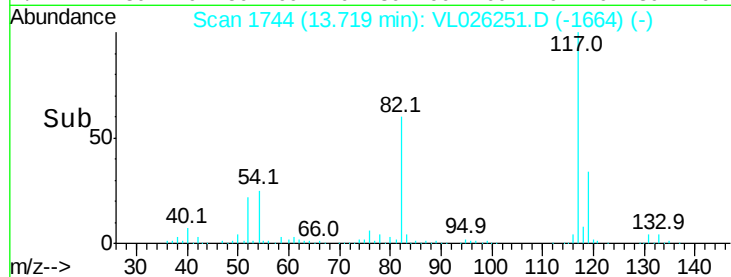
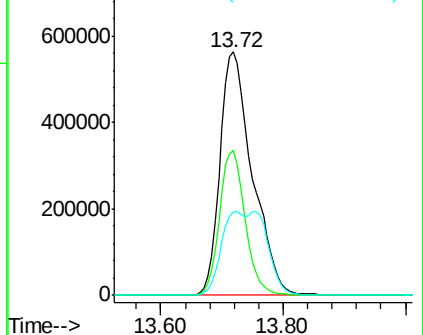
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2071891
Ion Ratio Lower Upper
117 100
82 47.6 45.8 68.8
119 48.4 45.0 67.4

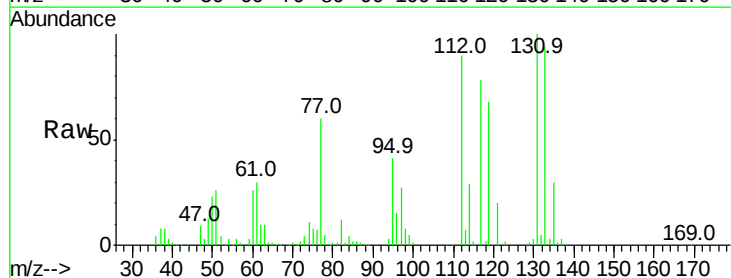


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

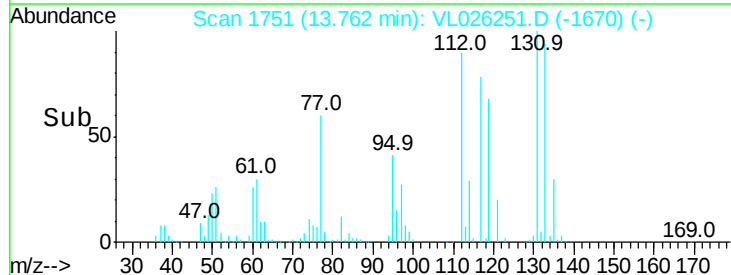
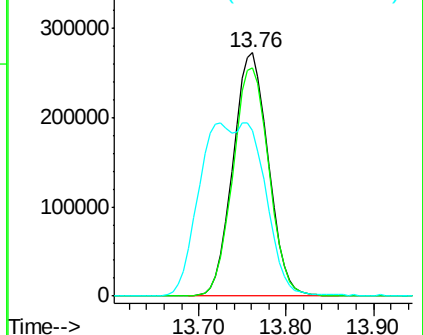


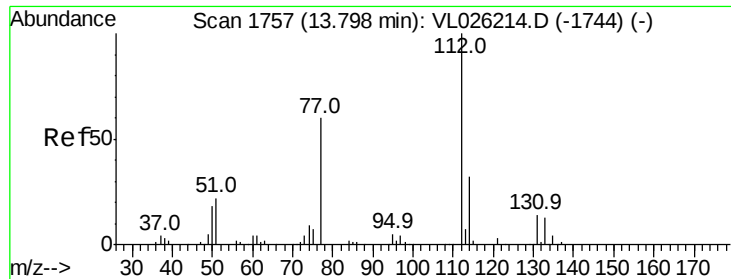
#56
1,1,1,2-Tetrachloroethane
Concen: 7.74 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion:131 Resp: 769381
Ion Ratio Lower Upper
131 100
133 95.4 75.9 113.9
119 130.4 108.0 162.0



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

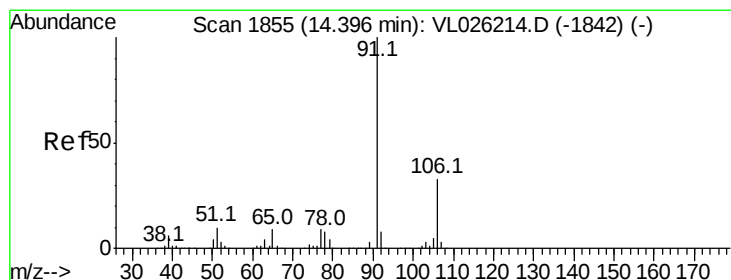
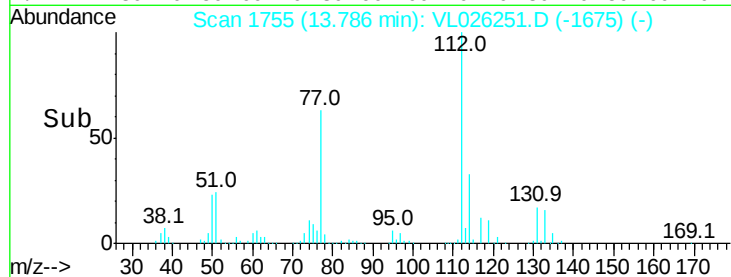
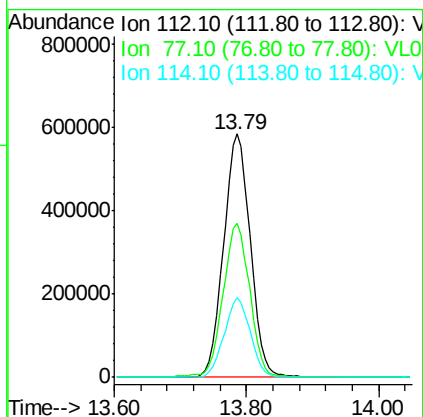
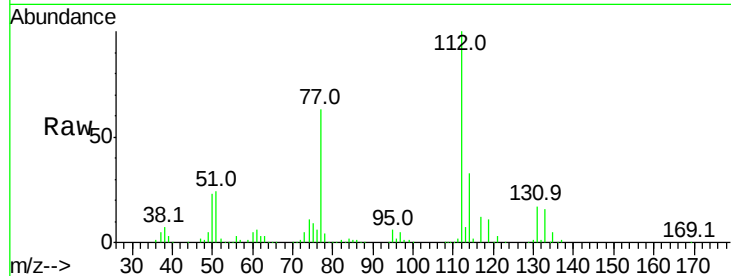




#57
Chlorobenzene
Concen: 8.23 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

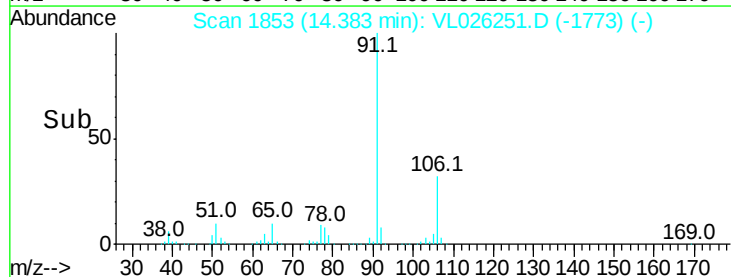
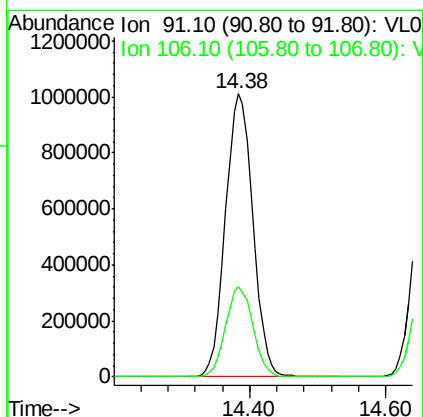
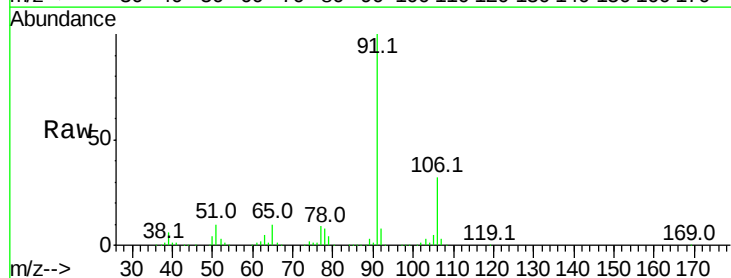
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

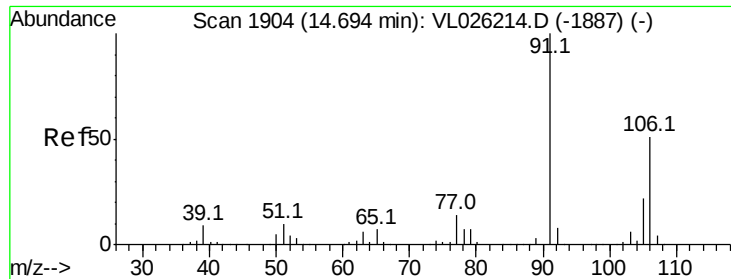
Tgt Ion: 112 Resp: 1631846
Ion Ratio Lower Upper
112 100
77 63.0 48.4 72.6
114 32.8 29.0 35.4



#58
Ethyl Benzene
Concen: 8.44 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 91 Resp: 2832285
Ion Ratio Lower Upper
91 100
106 31.8 26.1 39.1

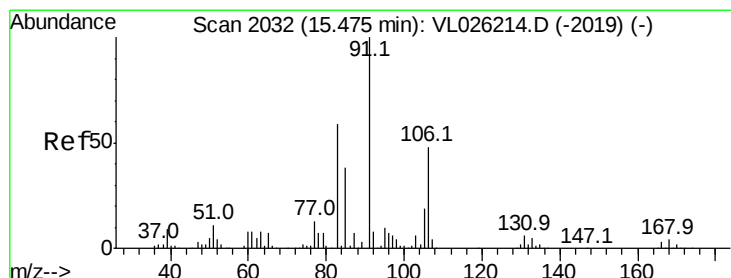
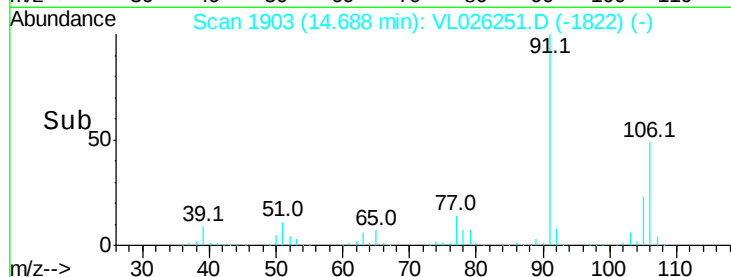
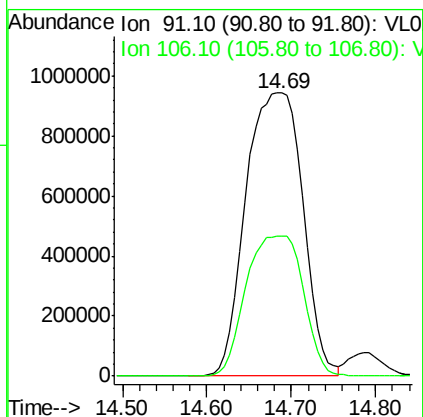
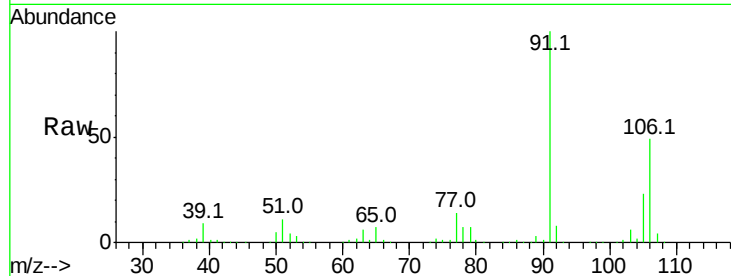




#59
m/p-Xylene
Concen: 16.57 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

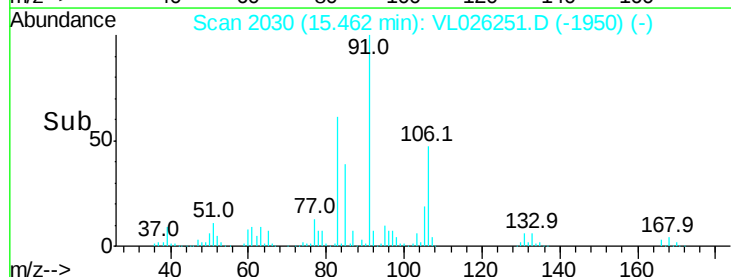
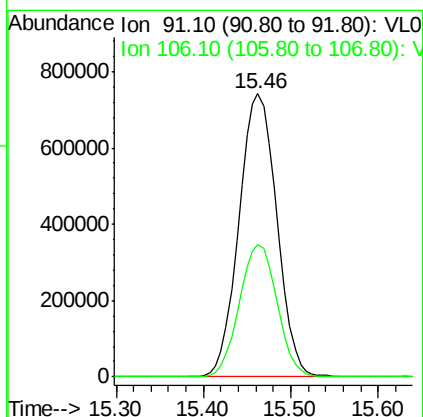
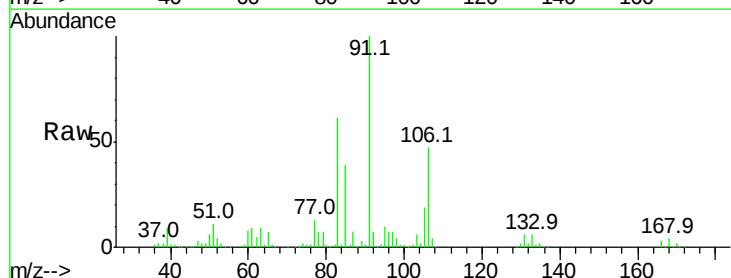
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

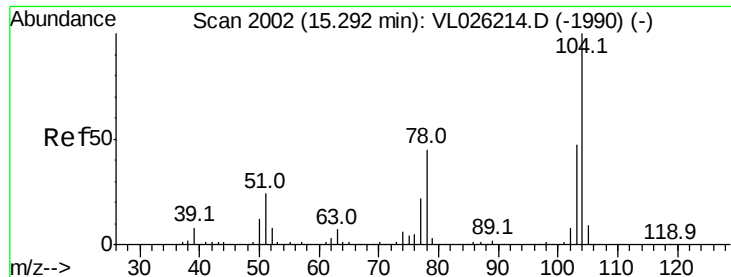
Tgt Ion: 91 Resp: 4355660
Ion Ratio Lower Upper
91 100
106 50.2 40.6 61.0



#60
o-Xylene
Concen: 8.09 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 91 Resp: 2223798
Ion Ratio Lower Upper
91 100
106 47.0 23.8 71.5





#61

Styrene

Concen: 8.82 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

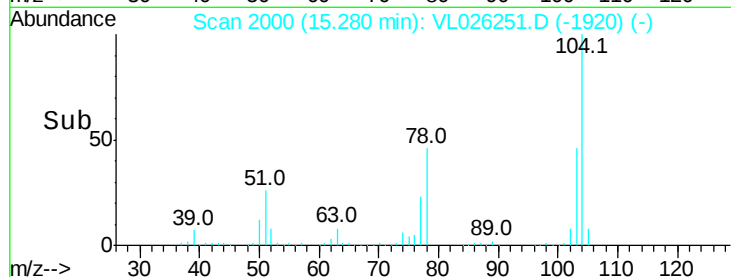
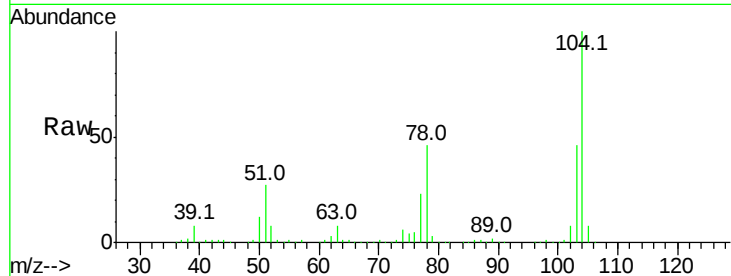
Tgt Ion:104 Resp: 1097097

Ion Ratio Lower Upper

104 100

78 45.2 35.3 52.9

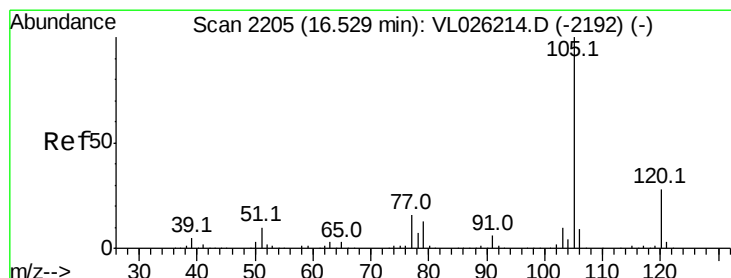
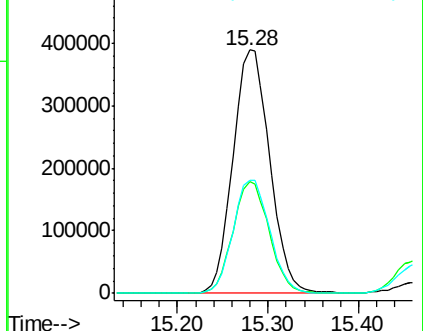
103 46.7 37.0 55.4



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: 8.22 ppbv

RT: 16.52 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL026251.D

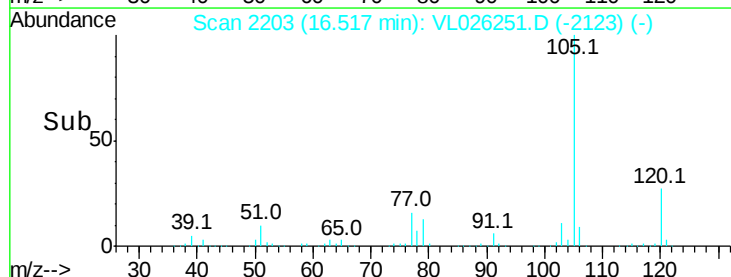
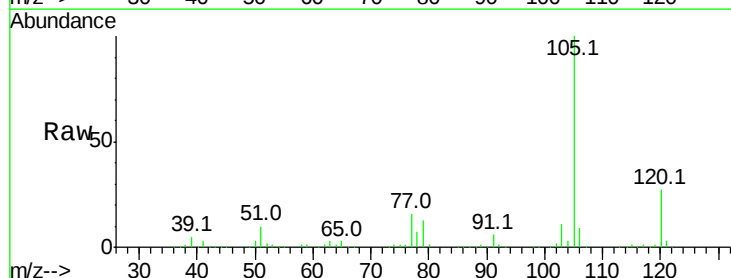
Acq: 21 Oct 2015 23:40

Tgt Ion:105 Resp: 3144137

Ion Ratio Lower Upper

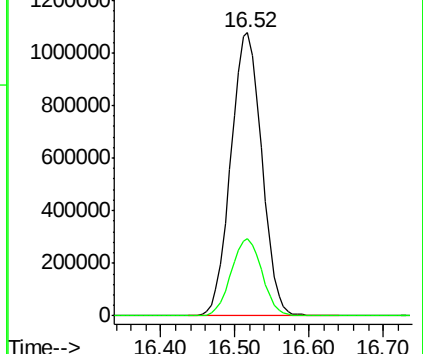
105 100

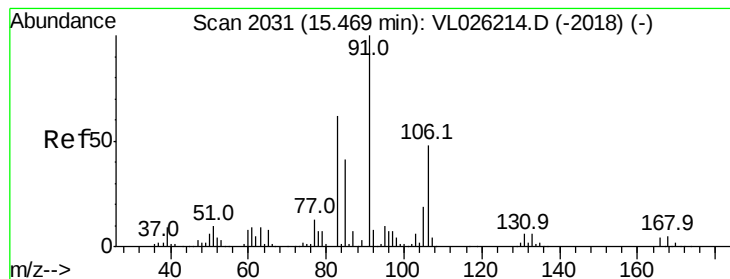
120 27.1 21.8 32.8



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: 8.07 ppbv

RT: 15.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

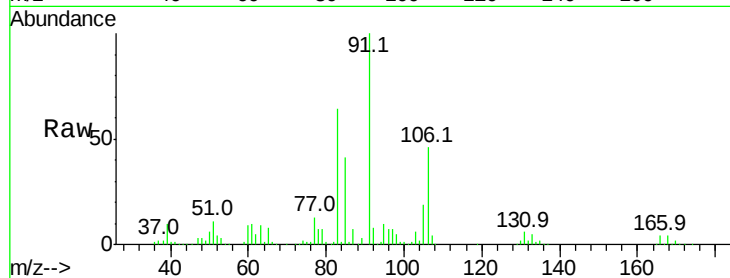
Tgt Ion: 83 Resp: 1466802

Ion Ratio Lower Upper

83 100

131 9.4 5.0 14.9

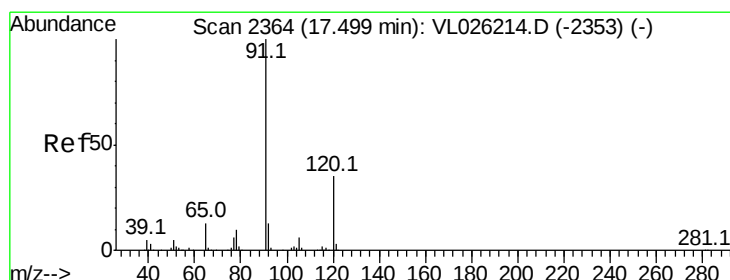
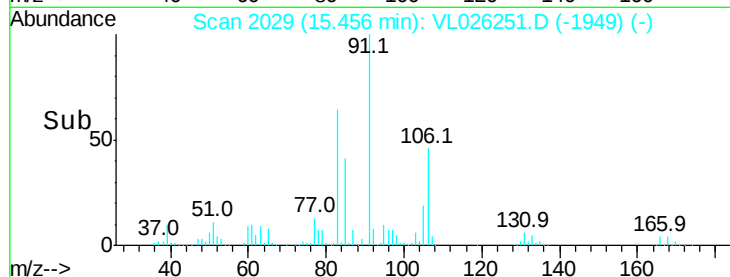
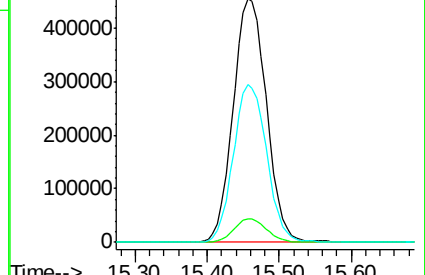
85 64.8 32.3 96.9



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: 8.30 ppbv

RT: 17.49 min Scan# 2363

Delta R.T. -0.01 min

Lab File: VL026251.D

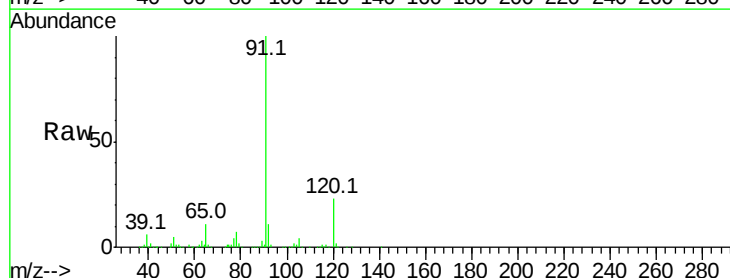
Acq: 21 Oct 2015 23:40

Tgt Ion: 120 Resp: 872639

Ion Ratio Lower Upper

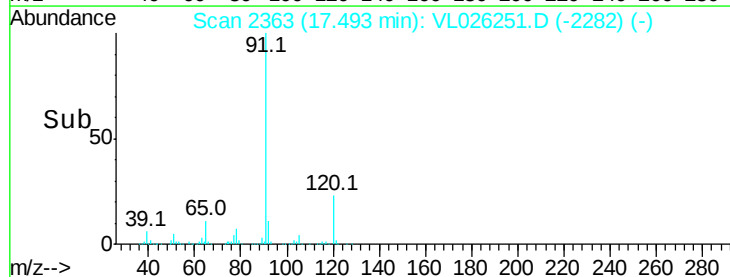
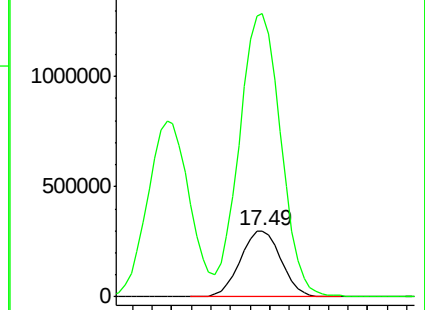
120 100

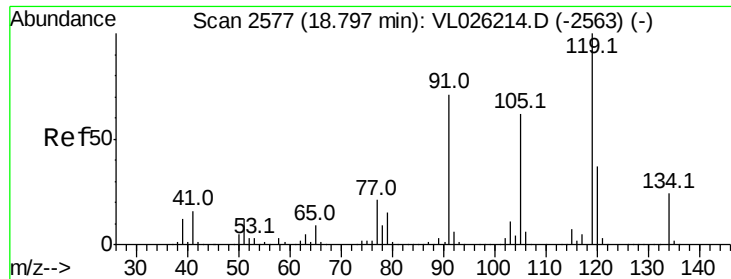
91 434.8 331.7 497.5



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

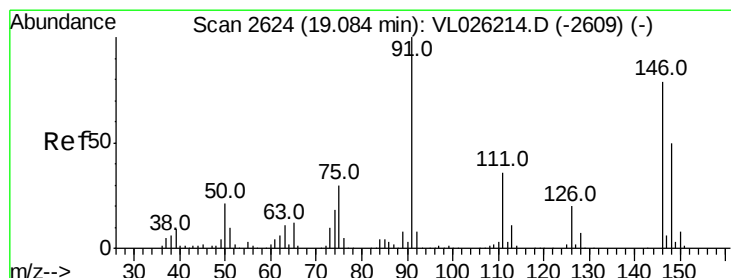
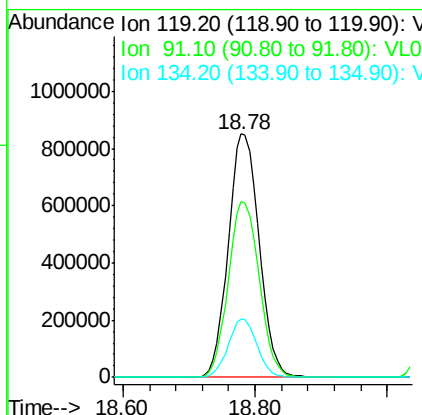
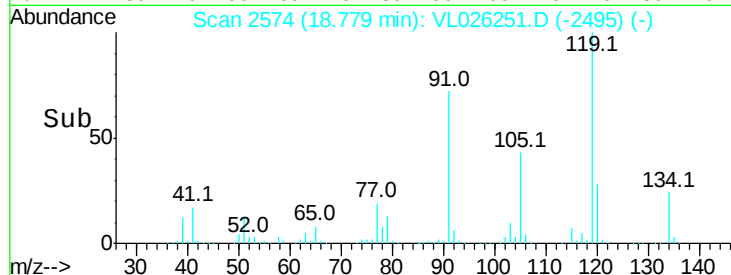
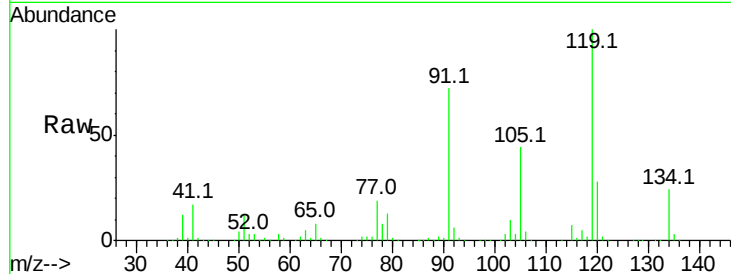




#65
tert-Butylbenzene
Concen: 7.89 ppbv
RT: 18.78 min Scan# 2574
Delta R.T. -0.02 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

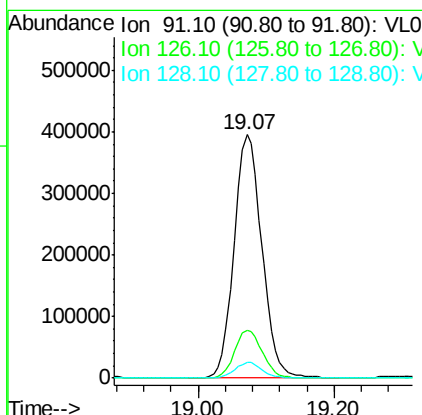
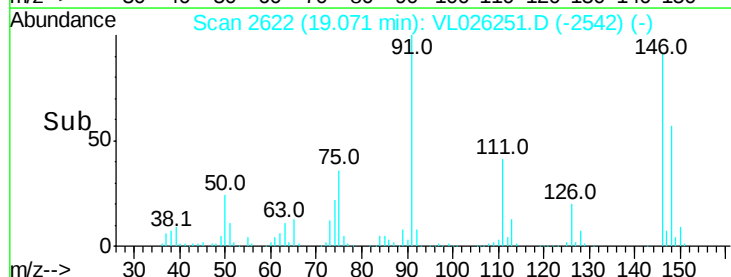
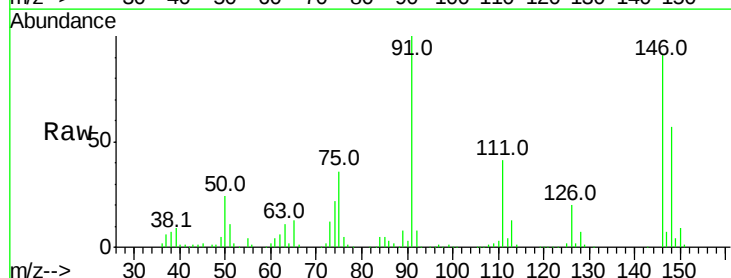
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

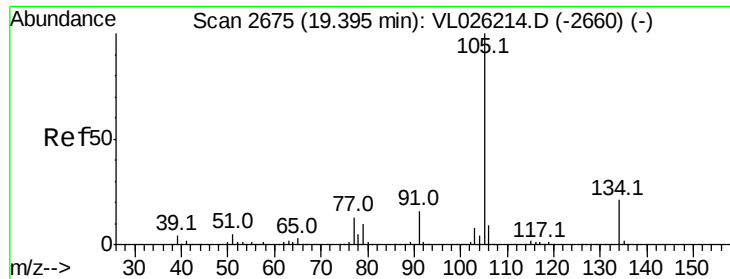
Tgt Ion: 119 Resp: 2753051
Ion Ratio Lower Upper
119 100
91 72.6 57.5 86.3
134 22.3 18.1 27.1



#66
Benzyl Chloride
Concen: 7.76 ppbv
RT: 19.07 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL026251.D
Acq: 21 Oct 2015 23:40

Tgt Ion: 91 Resp: 1118526
Ion Ratio Lower Upper
91 100
126 19.7 16.2 24.2
128 6.3 5.1 7.7

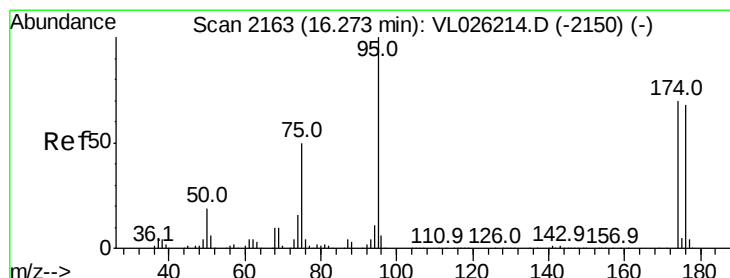
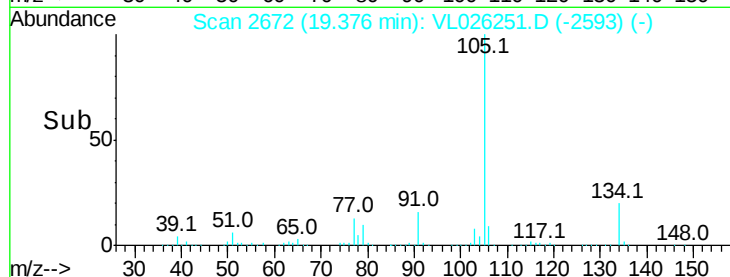
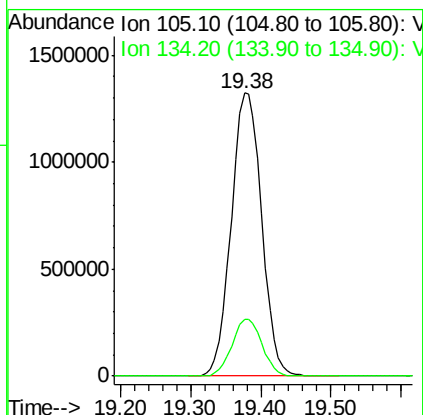
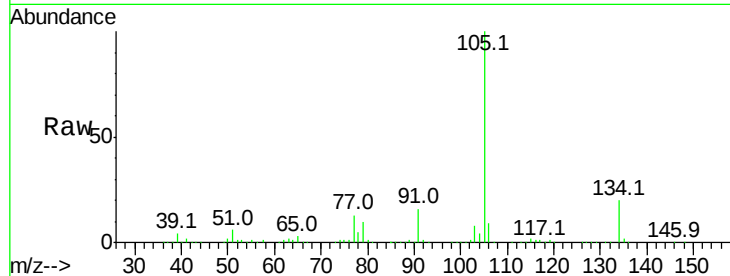




#67
 sec-Butylbenzene
 Concen: 8.20 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.02 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

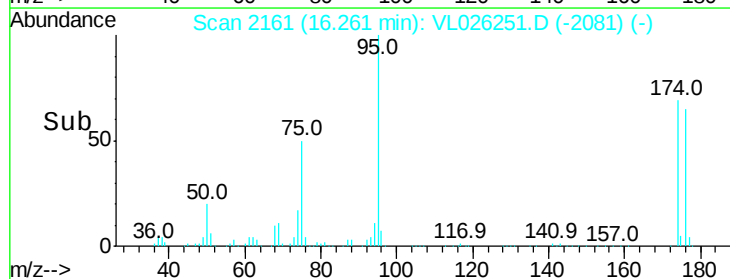
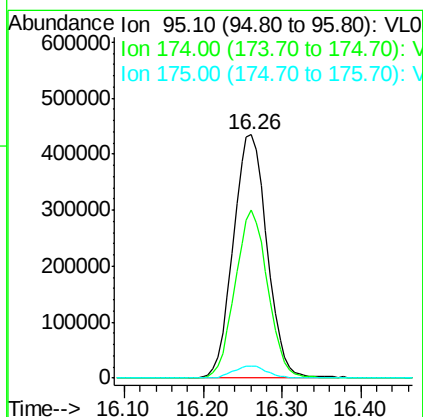
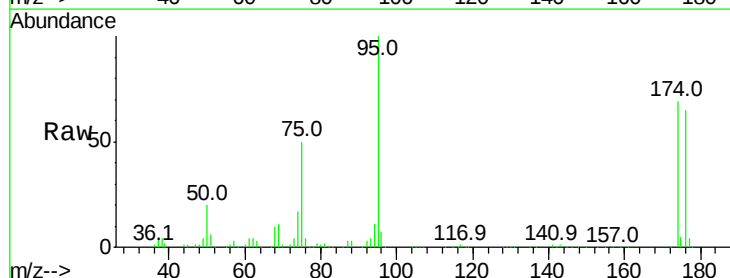
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

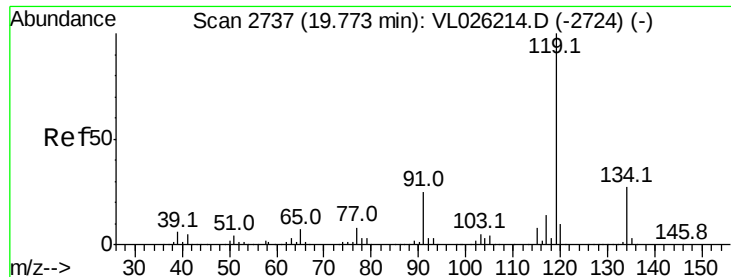
Tgt Ion: 105 Resp: 3991499
 Ion Ratio Lower Upper
 105 100
 134 20.0 16.2 24.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.12 ppbv
 RT: 16.26 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion: 95 Resp: 1297233
 Ion Ratio Lower Upper
 95 100
 174 66.9 55.8 83.8
 175 5.0 4.3 6.5

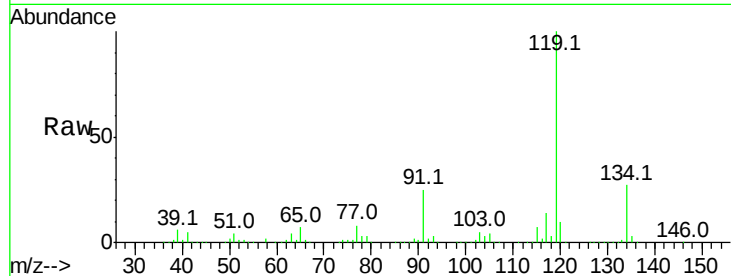




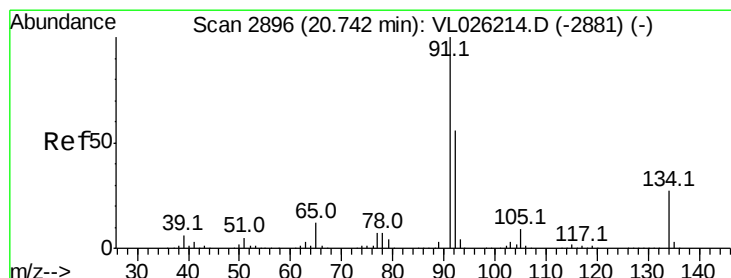
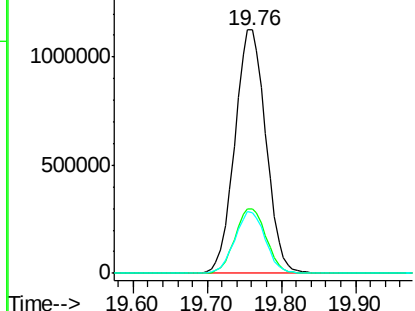
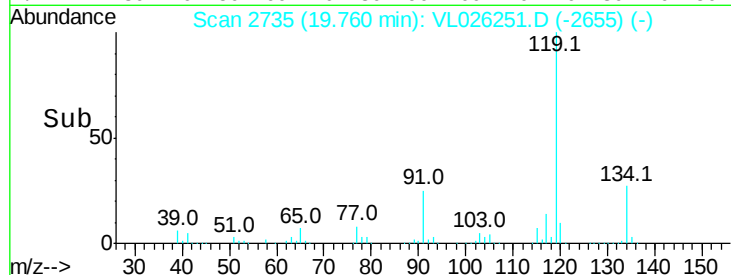
#69
 p-Isopropyltoluene
 Concen: 8.12 ppbv
 RT: 19.76 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 3301508
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.4 32.0
 91 24.7 19.5 29.3

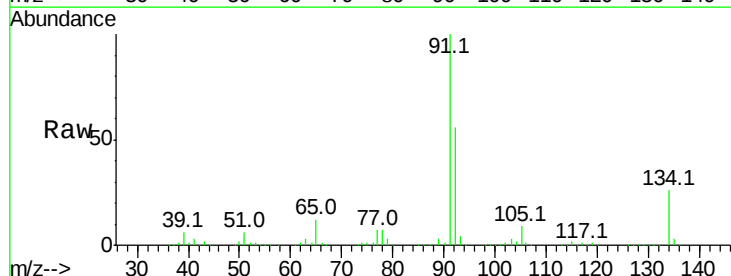


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

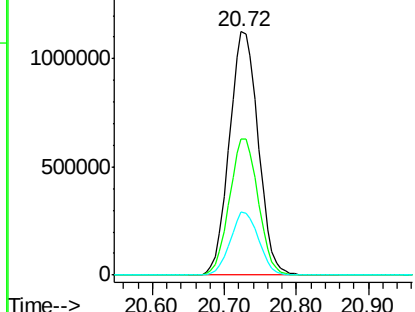
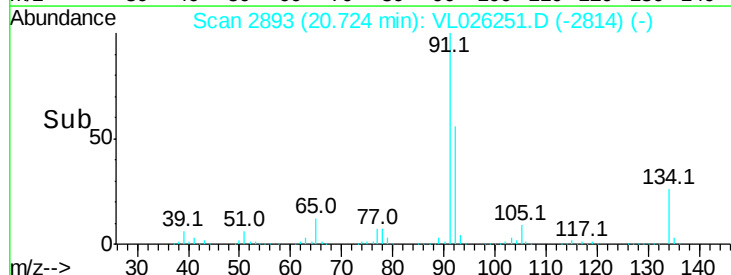


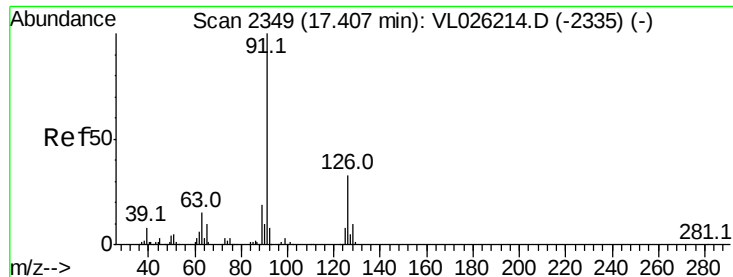
#70
 n-Butylbenzene
 Concen: 8.43 ppbv
 RT: 20.72 min Scan# 2893
 Delta R.T. -0.02 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion: 91 Resp: 3134450
 Ion Ratio Lower Upper
 91 100
 92 55.9 45.0 67.6
 134 25.5 21.4 32.0



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: 8.50 ppbv

RT: 17.39 min Scan# 2347

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

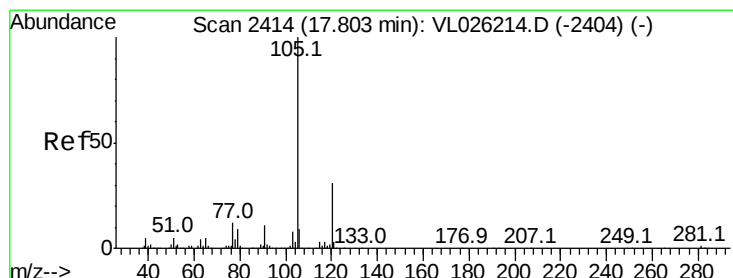
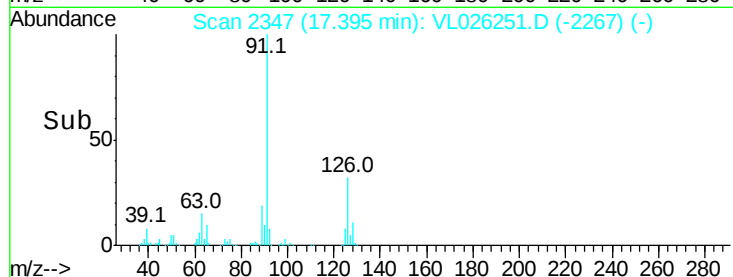
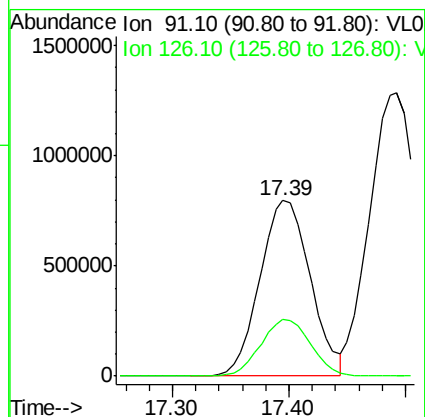
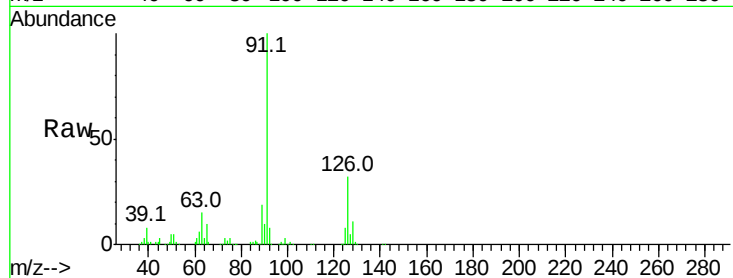
VSTDCCC010EC

Tgt Ion: 91 Resp: 2391895

Ion Ratio Lower Upper

91 100

126 31.9 12.9 51.7



#72

4-Ethyltoluene

Concen: 8.49 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion: 105 Resp: 2714302

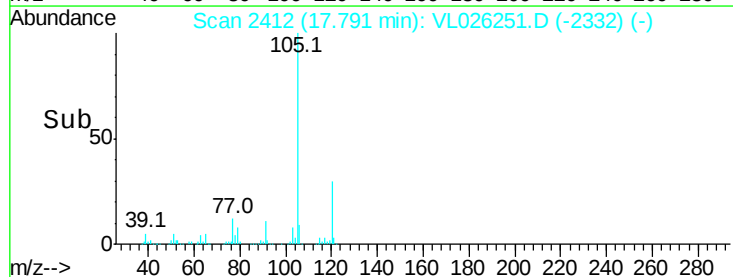
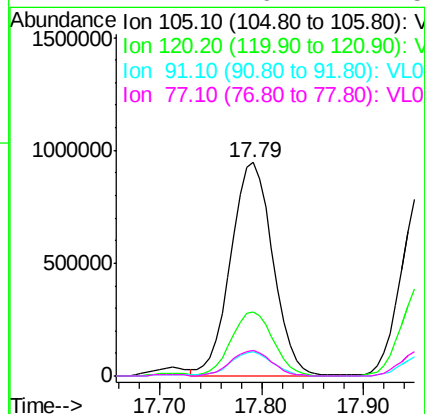
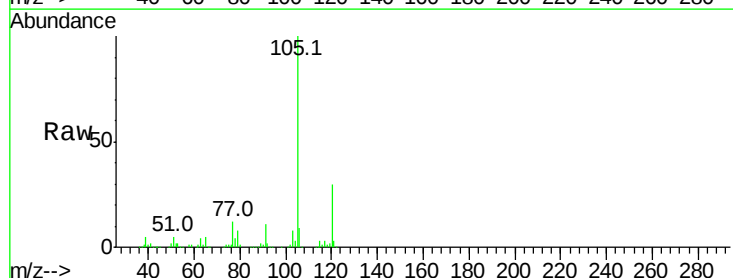
Ion Ratio Lower Upper

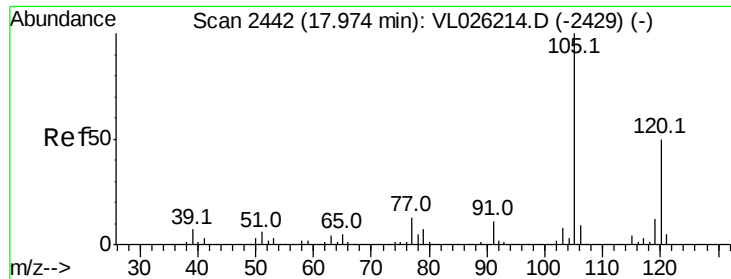
105 100

120 31.2 25.2 37.8

91 11.8 9.0 13.6

77 12.2 9.7 14.5

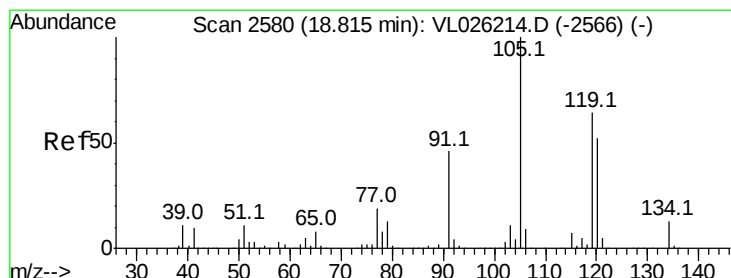
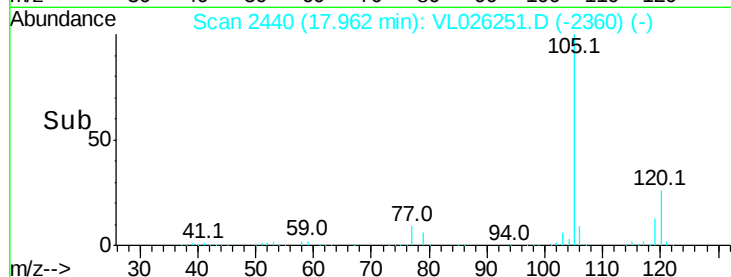
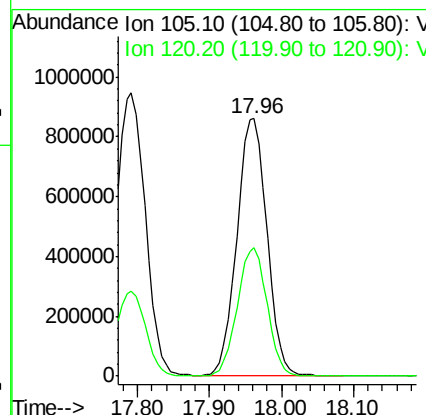
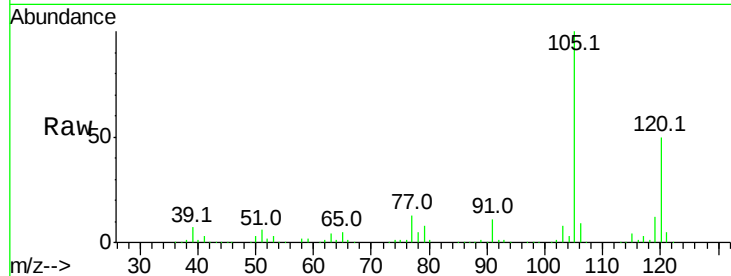




#73
 1,3,5-Trimethylbenzene
 Concen: 8.39 ppbv
 RT: 17.96 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

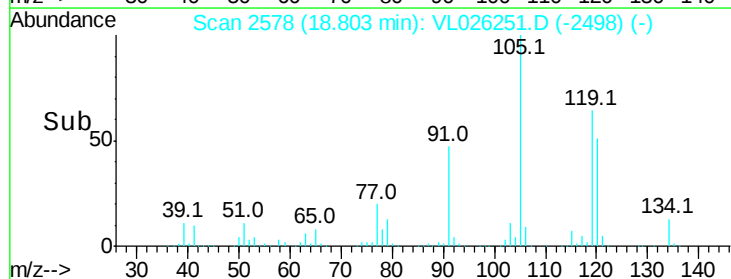
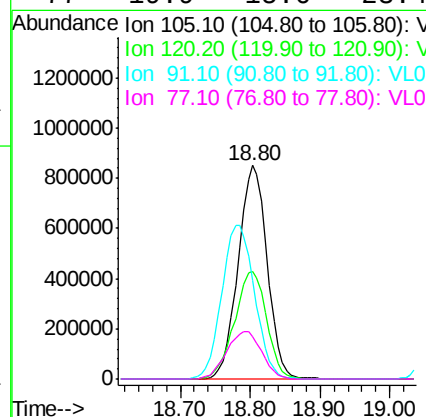
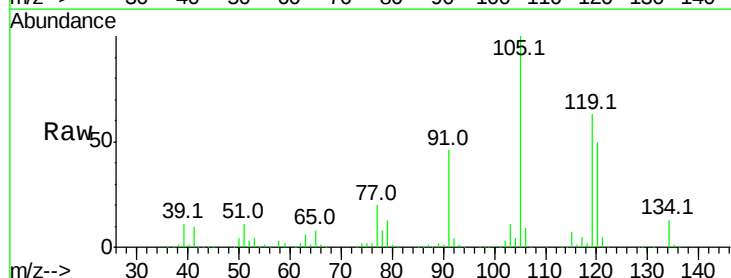
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

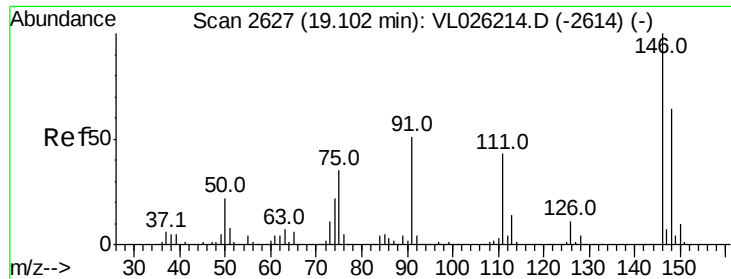
Tgt Ion:105 Resp: 2499655
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.8 59.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.93 ppbv
 RT: 18.80 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion:105 Resp: 2452514
 Ion Ratio Lower Upper
 105 100
 120 50.3 41.2 61.8
 91 46.3 37.2 55.8
 77 19.9 15.6 23.4





#75

1,3-Dichlorobenzene

Concen: 8.09 ppbv

RT: 19.09 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

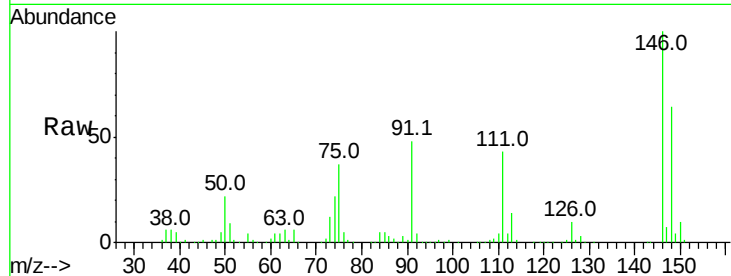
Tgt Ion:146 Resp: 1634472

Ion Ratio Lower Upper

146 100

111 43.3 21.6 64.8

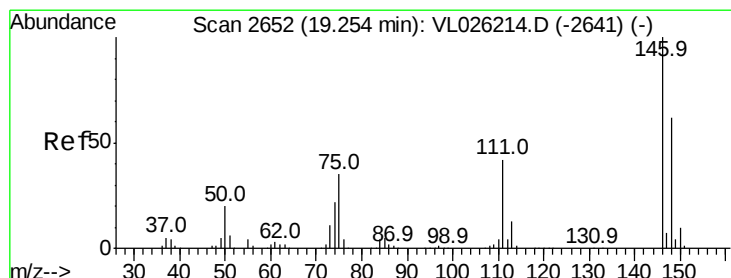
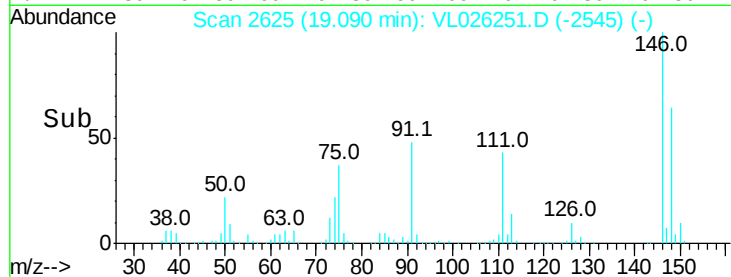
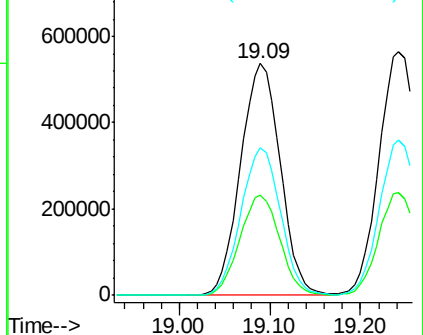
148 63.3 31.8 95.4



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: 8.10 ppbv

RT: 19.24 min Scan# 2650

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

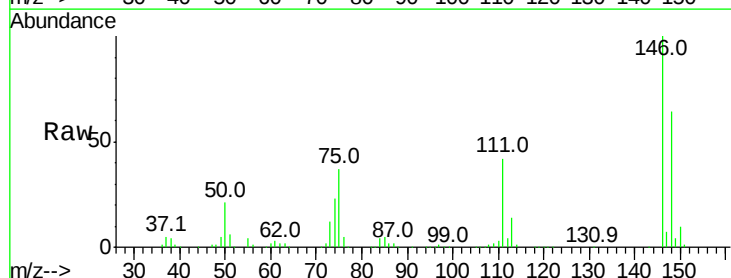
Tgt Ion:146 Resp: 1708763

Ion Ratio Lower Upper

146 100

111 42.1 20.8 62.2

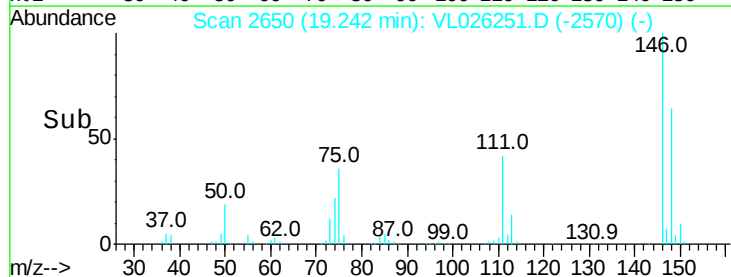
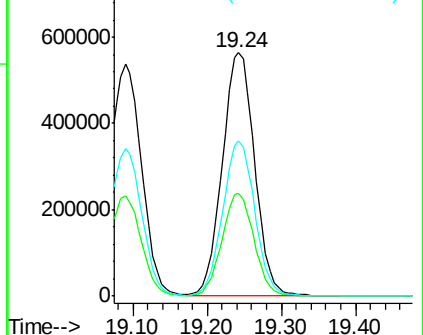
148 63.2 31.9 95.9

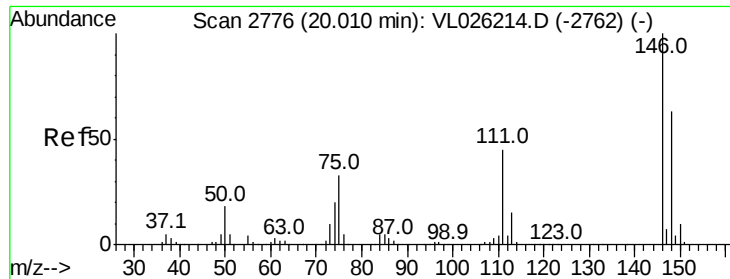


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

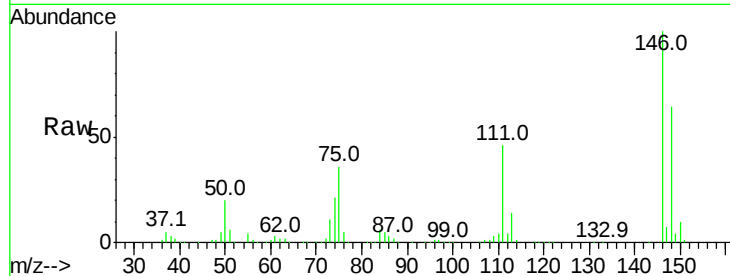




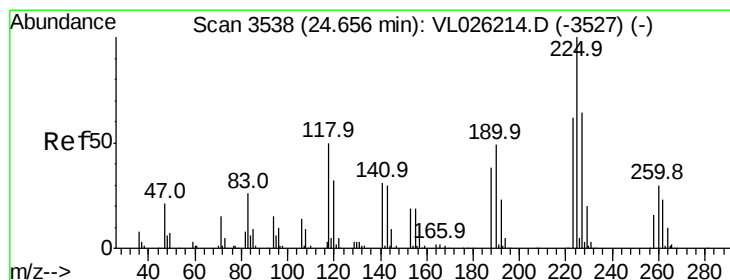
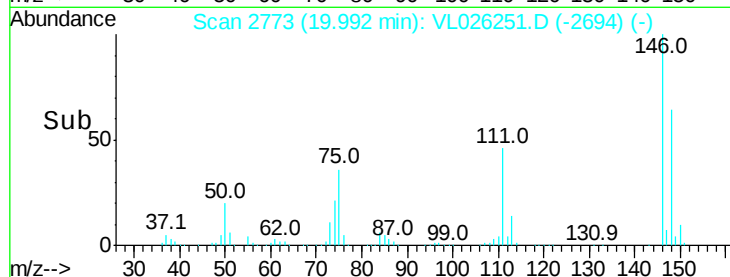
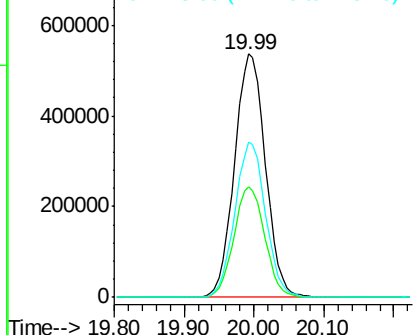
#77
 1,2-Dichlorobenzene
 Concen: 8.10 ppbv
 RT: 19.99 min Scan# 2773
 Delta R.T. -0.02 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1648474
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.6 67.7
 148 63.4 31.6 95.0

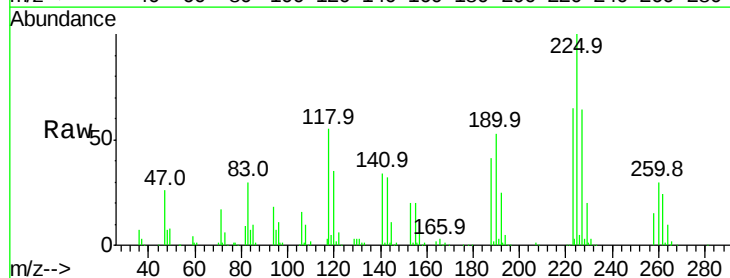


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

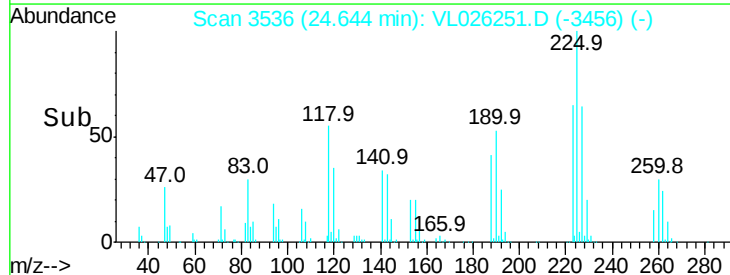
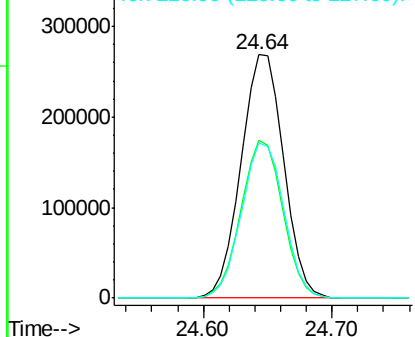


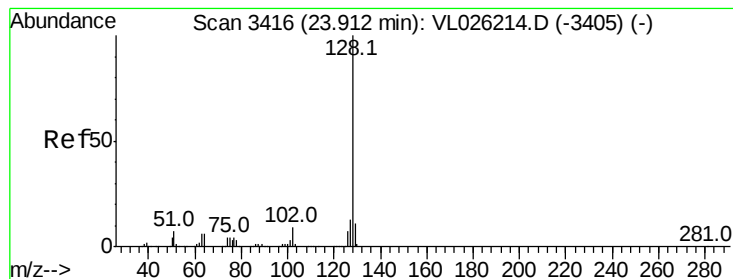
#78
 Hexachloro-1,3-Butadiene
 Concen: 5.92 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Tgt Ion:225 Resp: 617870
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.2 75.2
 227 63.4 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: 7.07 ppbv

RT: 23.91 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Instrument :

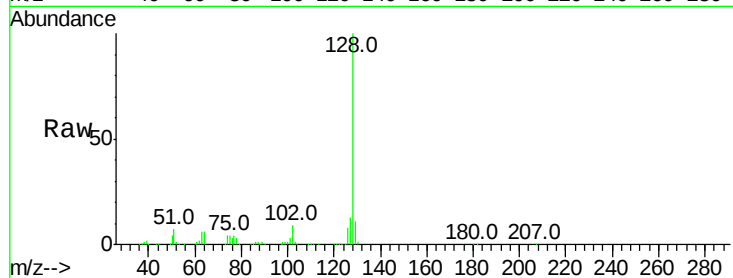
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 1926640

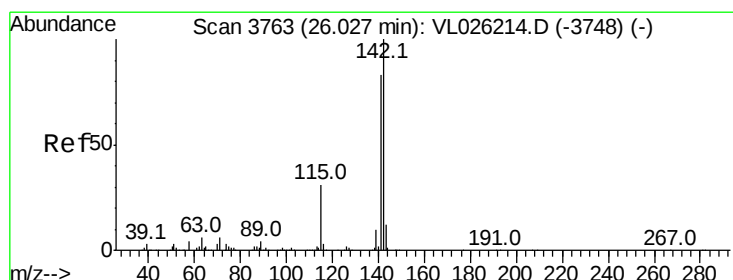
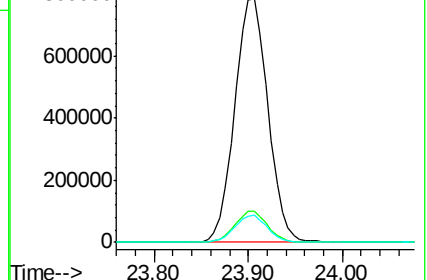
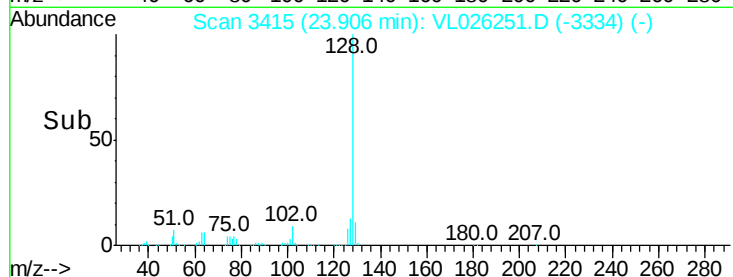
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.8	13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.78 ppbv

RT: 26.02 min Scan# 3761

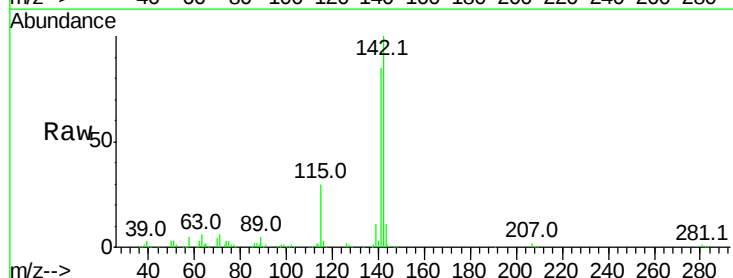
Delta R.T. -0.01 min

Lab File: VL026251.D

Acq: 21 Oct 2015 23:40

Tgt Ion:142 Resp: 527169

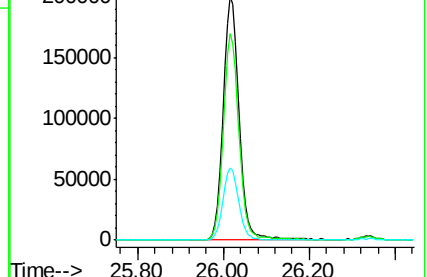
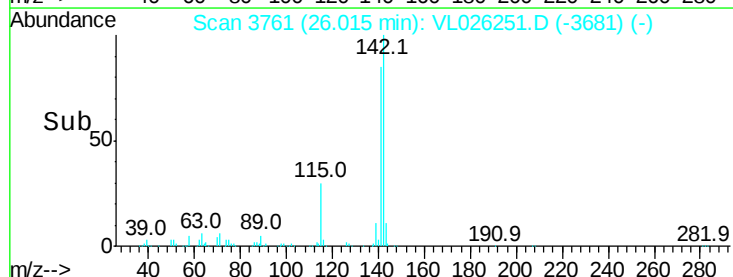
Ion	Ratio	Lower	Upper
142	100		
141	83.9	66.5	99.7
115	30.1	24.2	36.4

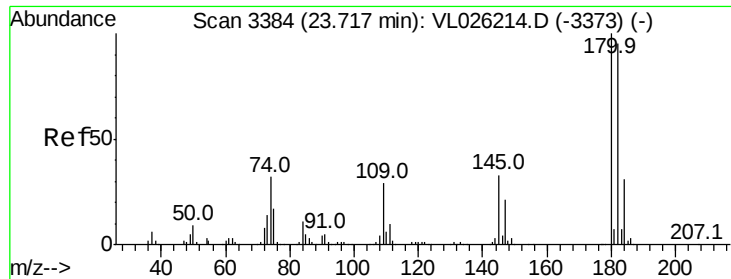


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

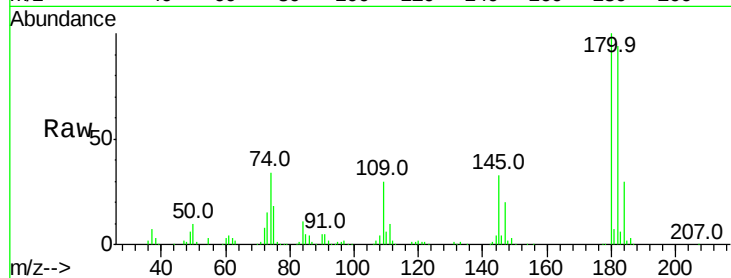




#81
 1,2,4-Trichlorobenzene
 Concen: 6.80 ppbv
 RT: 23.70 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL026251.D
 Acq: 21 Oct 2015 23:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.7	115.1
184	30.2	24.2	36.2



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

