

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026231.D
 Acq On : 21 Oct 2015 7:32
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 21 07:16:11 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	505427	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1567591	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	2342323	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1503076	8.32	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.62	85	1137082	10.86	ppbv	99
3) Chlorodifluoromethane	3.56	51	641518	10.02	ppbv	100
4) Chloromethane	3.73	50	363720	10.53	ppbv	99
5) Vinyl Chloride	3.87	62	383009	10.54	ppbv	99
6) Bromomethane	4.12	94	279900	10.73	ppbv	95
7) Chloroethane	4.22	64	164908	10.81	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	924706	10.27	ppbv	99
9) Propene	3.58	41	296156	9.89	ppbv	100
10) Heptane	9.33	43	996468	9.94	ppbv	99
11) Trichlorofluoromethane	4.68	101	1100338	10.71	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	732933	10.45	ppbv	99
13) Ethanol	4.32	45	57706	12.84	ppbv	98
14) Bromoethene	4.43	108	317982	10.74	ppbv	99
15) Acetone	4.59	43	667628	8.97	ppbv	100
16) 1,3-Butadiene	3.95	39	338083	10.19	ppbv	99
17) tert-Butyl alcohol	5.12	59	519089	10.21	ppbv	96
18) 1,1-Dichloroethene	5.07	96	340350	10.75	ppbv	98
19) Isopropyl Alcohol	4.74	45	339579	11.67	ppbv	95
20) Methylene Chloride	5.13	84	309934	10.44	ppbv	97
21) Allyl Chloride	5.21	41	515002	10.60	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	421890	10.33	ppbv	99
23) Vinyl Acetate	5.96	43	1400780	10.21	ppbv	100
24) 1,1-Dichloroethane	5.89	63	877590	10.14	ppbv	100
25) Ethyl Acetate	6.65	43	1390464	9.97	ppbv	100
26) Hexane	6.63	57	685175	9.83	ppbv	100
27) Carbon Disulfide	5.37	76	957433	10.74	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1275564	10.07	ppbv	100
29) Chloroform	6.73	83	1035223	10.23	ppbv	100
30) Cyclohexane	8.26	84	693037	9.94	ppbv	100
31) cis-1,2-Dichloroethene	6.49	61	649057	10.26	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1097186	9.78	ppbv	99
34) 2-Butanone	6.18	43	867636	9.79	ppbv	99
35) Carbon Tetrachloride	8.13	117	1145262	9.59	ppbv	98
36) Benzene	8.00	78	1541782	9.66	ppbv	99
37) 1,2-Dichloroethane	7.35	62	836994	10.20	ppbv	100
38) Trichloroethene	9.04	130	641673	8.28	ppbv	98
39) 1,2-Dichloropropane	8.81	63	550094	9.80	ppbv	99
40) 1,4-Dioxane	9.10	88	149488	14.17	ppbv	92
41) Tetrahydrofuran	7.10	42	511224	9.97	ppbv	99
42) Bromodichloromethane	9.00	83	1170121	9.91	ppbv	99
43) Methyl Methacrylate	9.24	69	597434	10.28	ppbv	99

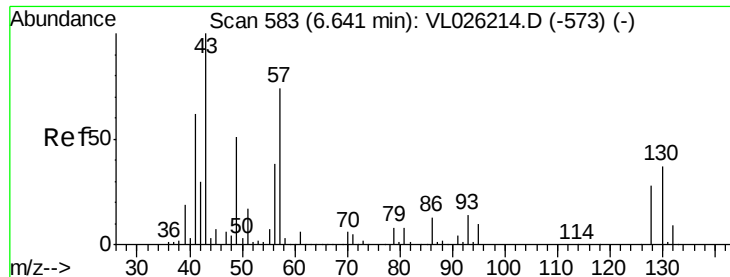
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026231.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2446003	9.46	ppbv	100
45) t-1,3-Dichloropropene	10.63	75	942384	10.39	ppbv	100
46) cis-1,3-Dichloropropene	9.99	75	1076050	10.14	ppbv	100
47) 1,1,2-Trichloroethane	10.85	97	699965	9.92	ppbv	99
48) Dibromochloromethane	11.77	129	1158237	10.08	ppbv	100
49) Bromoform	14.79	173	966368	9.95	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1227911	10.27	ppbv	99
51) 2-Hexanone	11.60	43	1176300	10.53	ppbv #	100
52) Tetrachloroethene	12.76	164	989287	10.80	ppbv	99
53) Toluene	11.21	91	2101737	9.68	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1077063	9.87	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.76	131	831999	7.41	ppbv	99
57) Chlorobenzene	13.79	112	1730381	7.72	ppbv	99
58) Ethyl Benzene	14.38	91	3017888	7.95	ppbv	100
59) m/p-Xylene	14.68	91	4651876	15.65	ppbv	99
60) o-Xylene	15.46	91	2382073	7.67	ppbv	99
61) Styrene	15.28	104	1200433	8.54	ppbv	99
62) Isopropylbenzene	16.51	105	3369484	7.80	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1551291	7.55	ppbv	100
64) n-propylbenzene	17.49	120	936079	7.88	ppbv	95
65) tert-Butylbenzene	18.78	119	2917705	7.39	ppbv	100
66) Benzyl Chloride	19.07	91	1318611	8.10	ppbv	100
67) sec-Butylbenzene	19.38	105	4228931	7.69	ppbv	100
69) p-Isopropyltoluene	19.75	119	3509415	7.63	ppbv	100
70) n-Butylbenzene	20.72	91	3294503	7.84	ppbv	99
71) 2-Chlorotoluene	17.39	91	2497388	7.85	ppbv	99
72) 4-Ethyltoluene	17.79	105	2876851	7.96	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2657297	7.89	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2598253	7.44	ppbv	96
75) 1,3-Dichlorobenzene	19.09	146	1733744	7.59	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	1824998	7.65	ppbv	100
77) 1,2-Dichlorobenzene	19.99	146	1763553	7.66	ppbv	100
78) Hexachloro-1,3-Butadiene	24.64	225	720946	6.11	ppbv	99
79) Naphthalene	23.90	128	2228062	7.24	ppbv	100
80) Naphthalene, 2-methyl-	26.01	142	592337	10.72	ppbv	100
81) 1,2,4-Trichlorobenzene	23.70	180	1011494	6.83	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.01 min

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VSTDCCC010

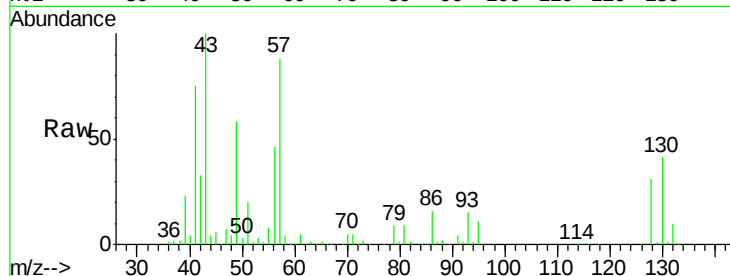
Tot Ion: 49 Resp: 505427

Ion Ratio Lower Upper

49 100

128 55.4 28.2 84.7

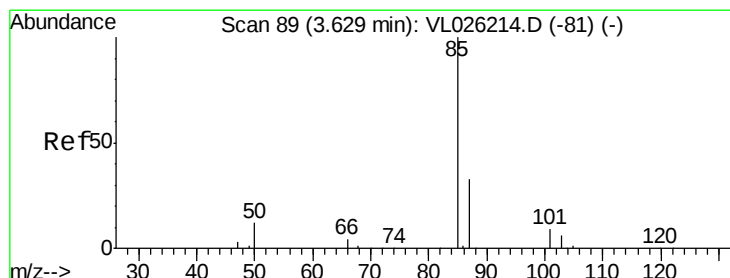
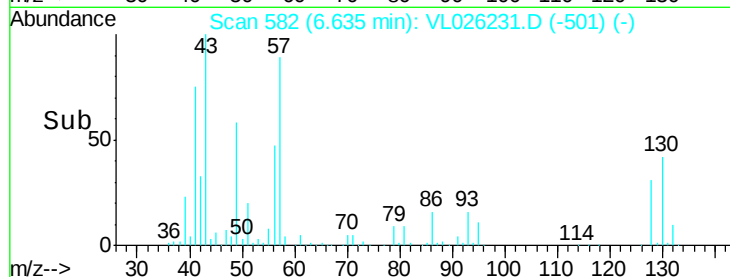
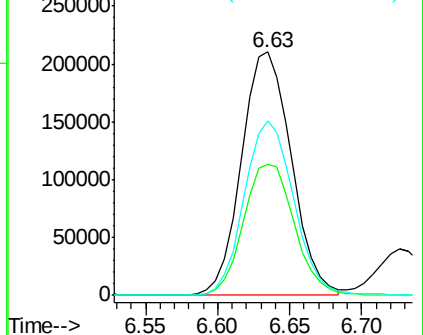
130 71.5 36.0 108.1



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: 10.86 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VL026231.D

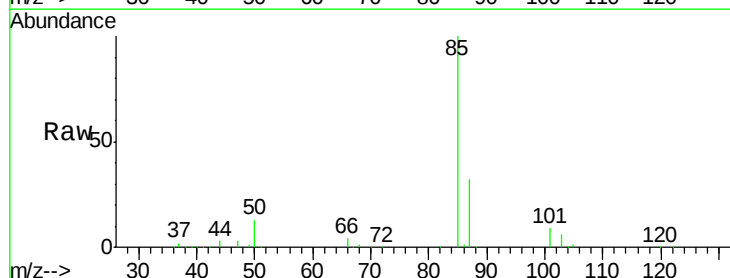
Acq: 21 Oct 2015 7:32

Tgt Ion: 85 Resp: 1137082

Ion Ratio Lower Upper

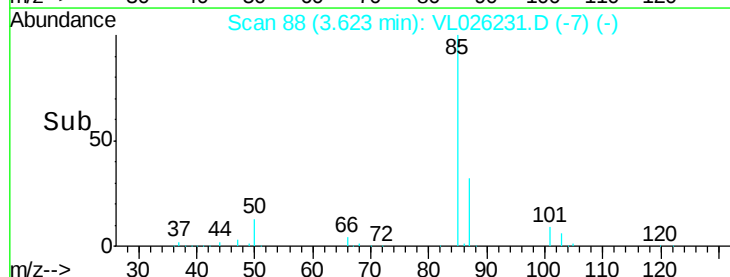
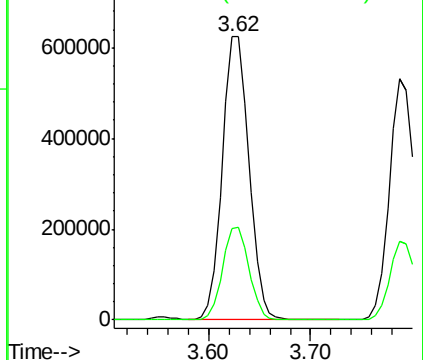
85 100

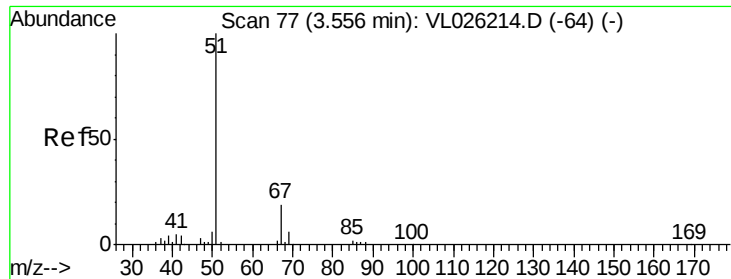
87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

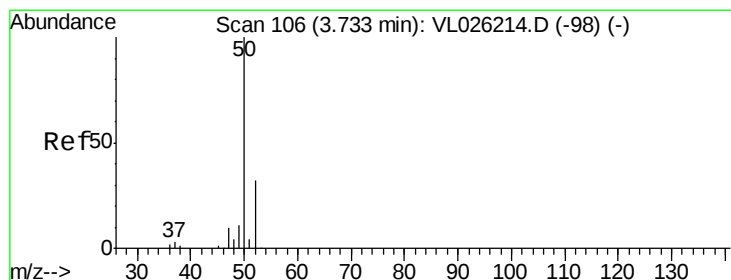
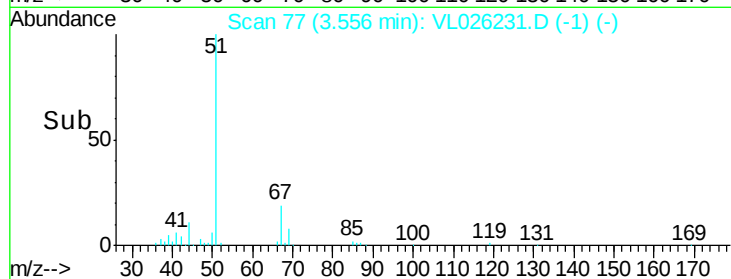
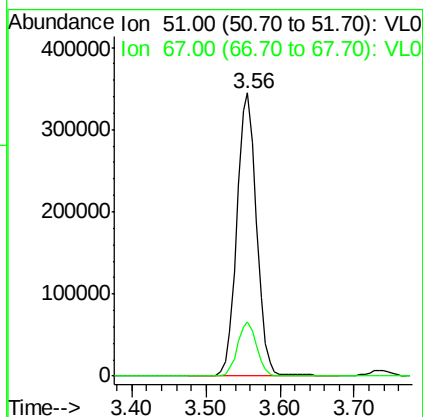
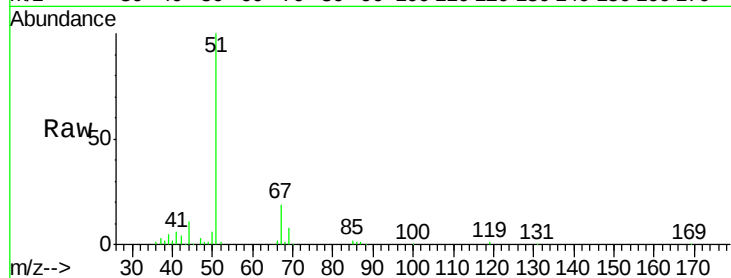




#3
Chlorodifluoromethane
Concen: 10.02 ppbv
RT: 3.56 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

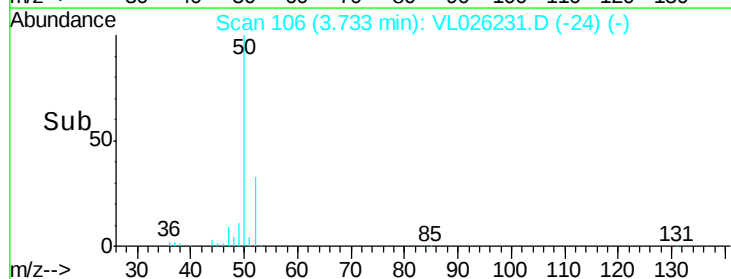
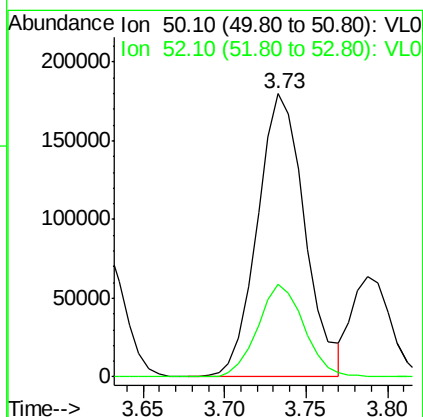
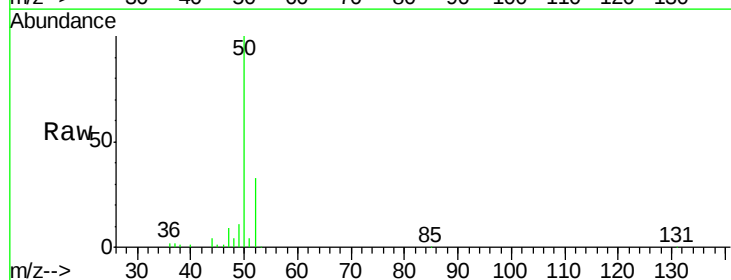
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

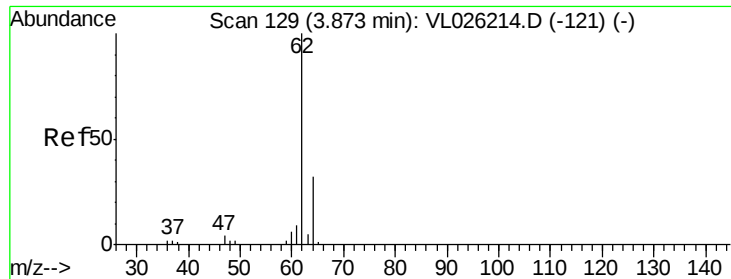
Tot Ion: 51 Resp: 641518
Ion Ratio Lower Upper
51 100
67 18.9 15.3 22.9



#4
Chloromethane
Concen: 10.53 ppbv
RT: 3.73 min Scan# 106
Delta R.T. -0.00 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 50 Resp: 363720
Ion Ratio Lower Upper
50 100
52 32.9 25.8 38.6





#5

Vinyl Chloride

Concen: 10.54 ppbv

RT: 3.87 min Scan# 129

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

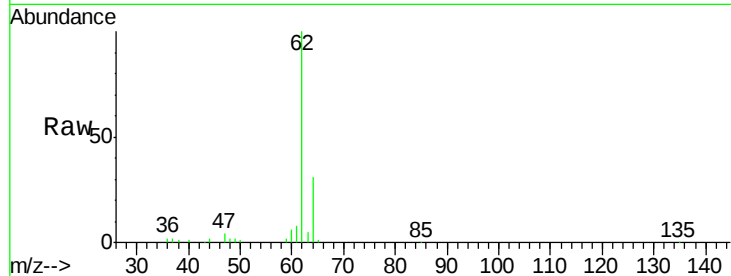
VSTDCCC010

Tot Ion: 62 Resp: 383009

Ion Ratio Lower Upper

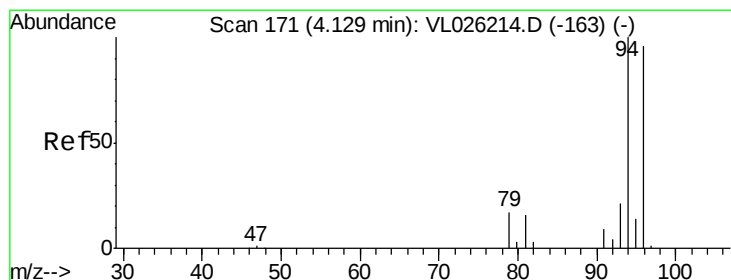
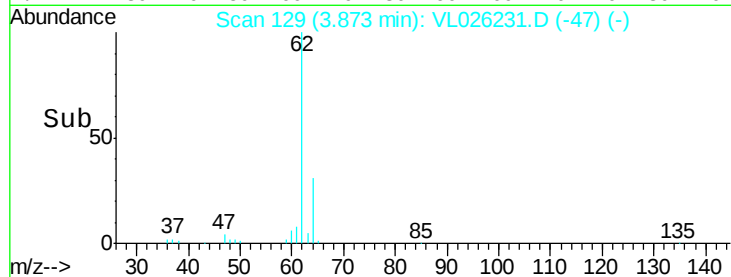
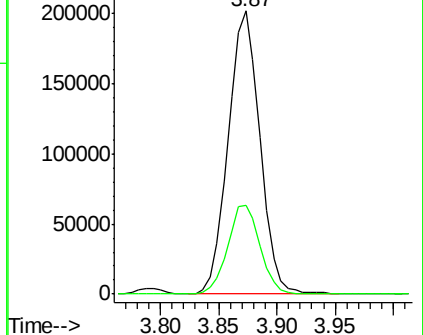
62 100

64 31.4 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.73 ppbv

RT: 4.12 min Scan# 170

Delta R.T. -0.01 min

Lab File: VL026231.D

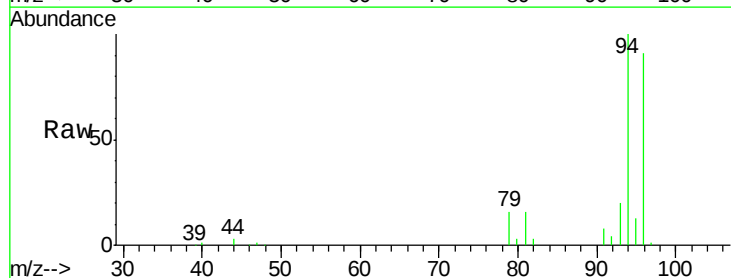
Acq: 21 Oct 2015 7:32

Tgt Ion: 94 Resp: 279900

Ion Ratio Lower Upper

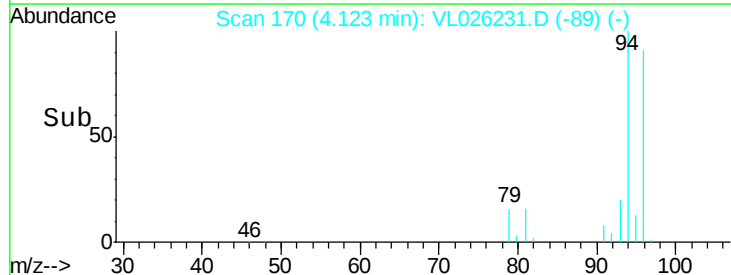
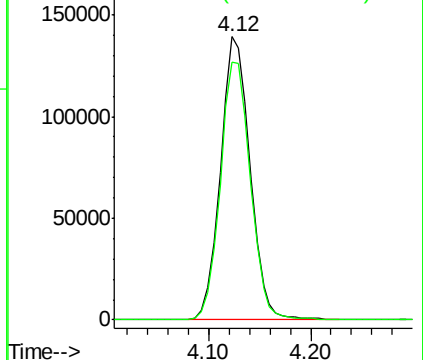
94 100

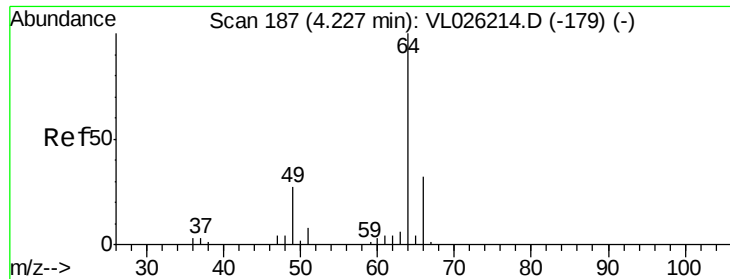
96 91.2 76.5 114.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.81 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

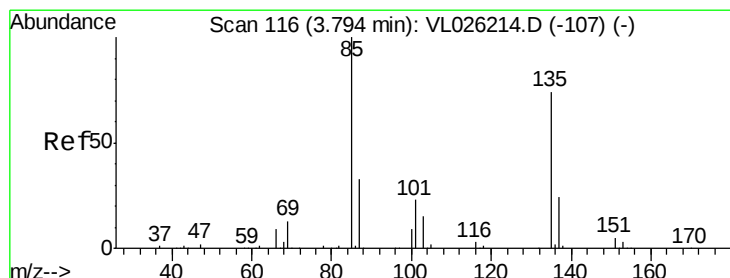
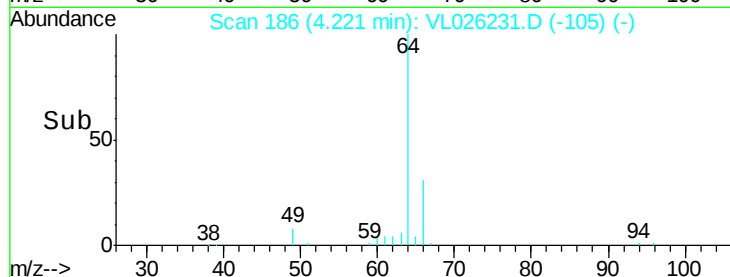
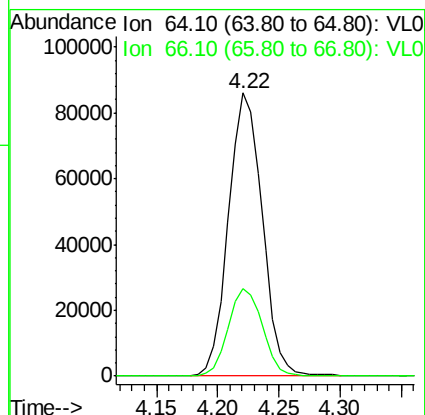
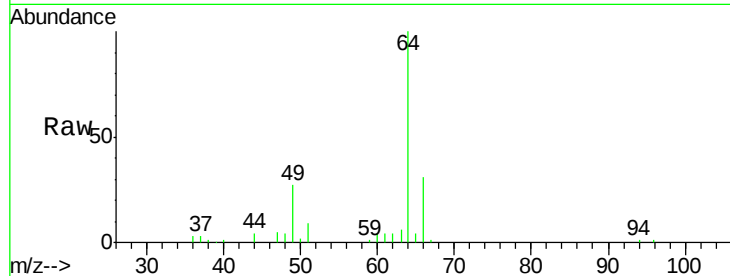
VSTDCCC010

Tot Ion: 64 Resp: 164908

Ion Ratio Lower Upper

64 100

66 30.9 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 10.27 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL026231.D

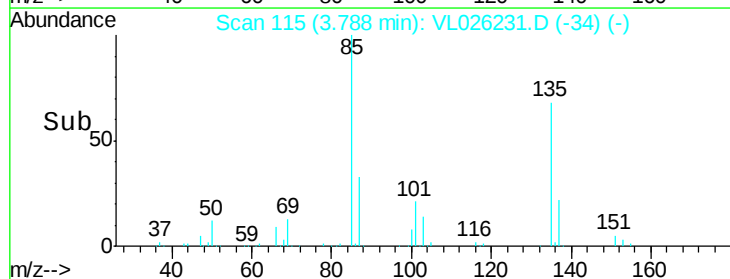
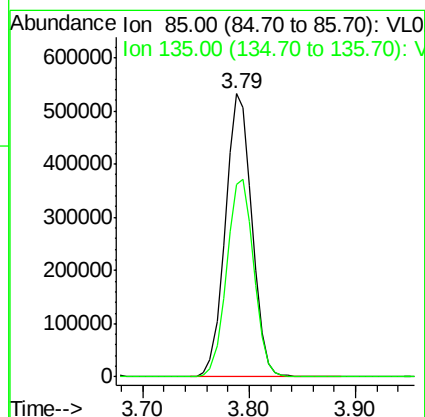
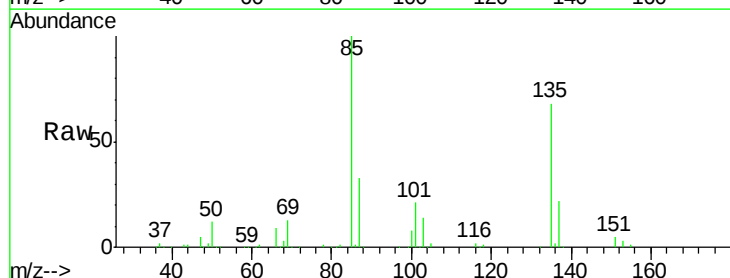
Acq: 21 Oct 2015 7:32

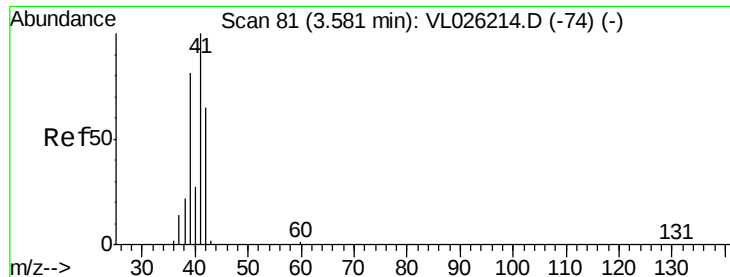
Tgt Ion: 85 Resp: 924706

Ion Ratio Lower Upper

85 100

135 71.8 57.8 86.8





#9

Propene

Concen: 9.89 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

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ClientSampleId :

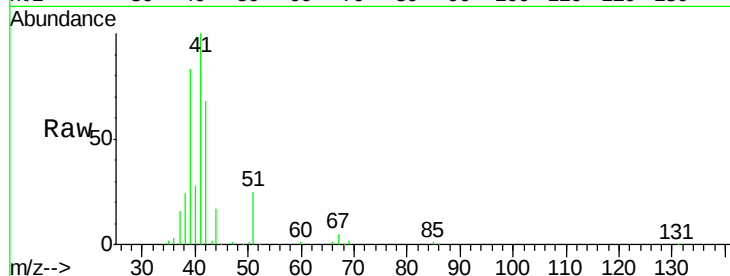
VSTDCCC010

Tot Ion: 41 Resp: 296156

Ion Ratio Lower Upper

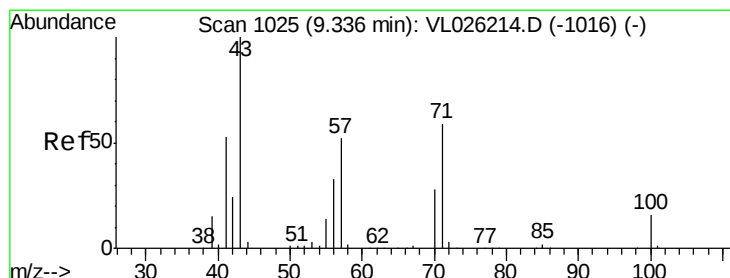
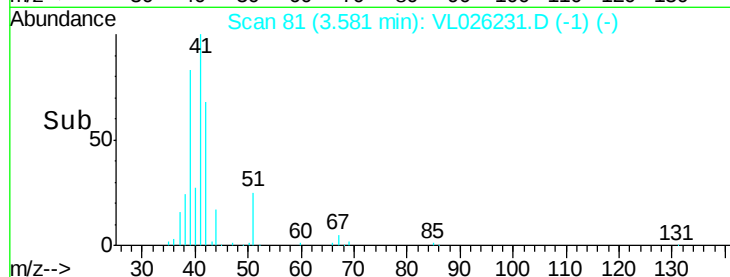
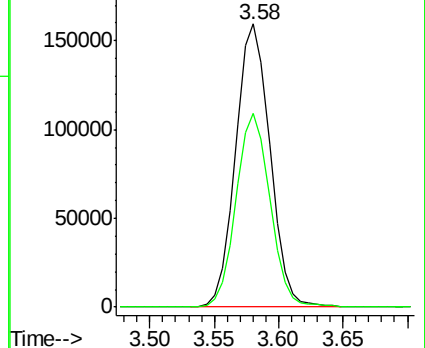
41 100

42 67.5 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: 9.94 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026231.D

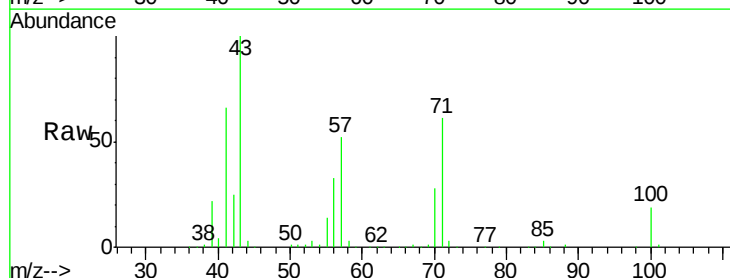
Acq: 21 Oct 2015 7:32

Tgt Ion: 43 Resp: 996468

Ion Ratio Lower Upper

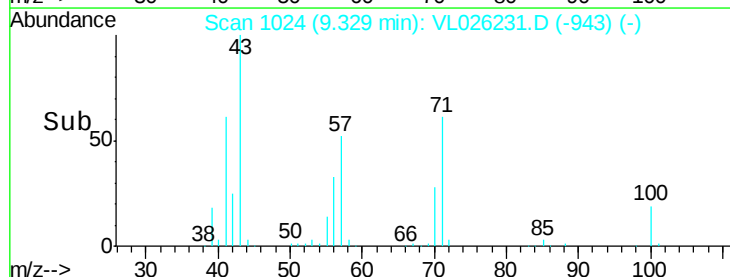
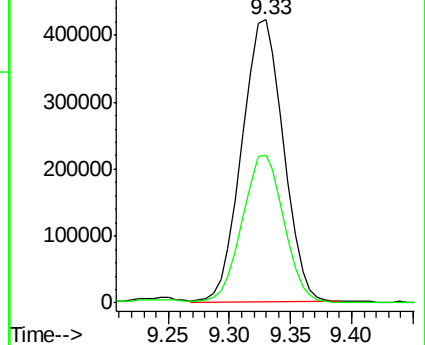
43 100

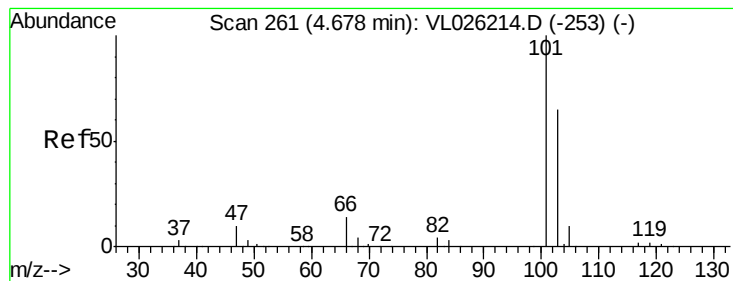
57 53.8 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.71 ppbv

RT: 4.68 min Scan# 261

Delta R.T. -0.00 min

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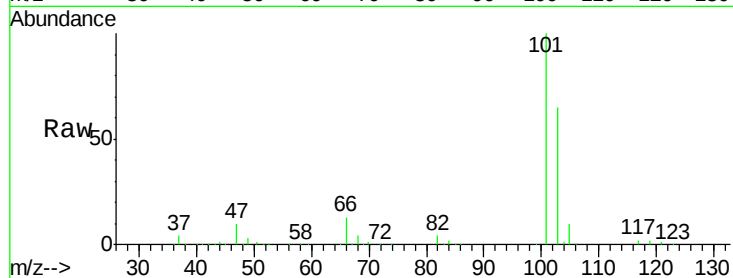
VSTDCCC010

Tot Ion:101 Resp: 1100338

Ion Ratio Lower Upper

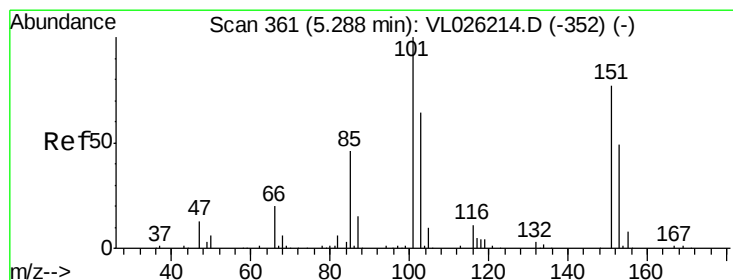
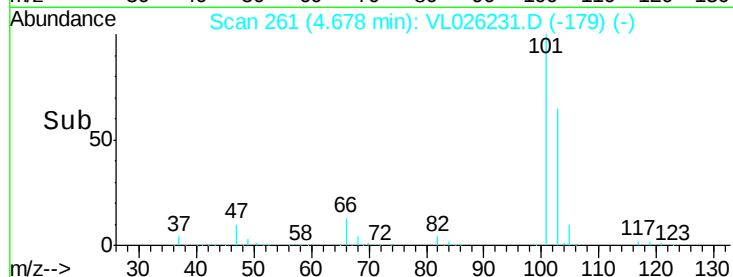
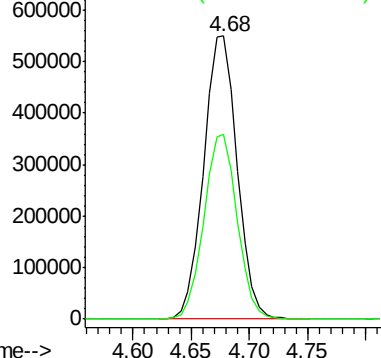
101 100

103 65.1 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: 10.45 ppbv

RT: 5.29 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL026231.D

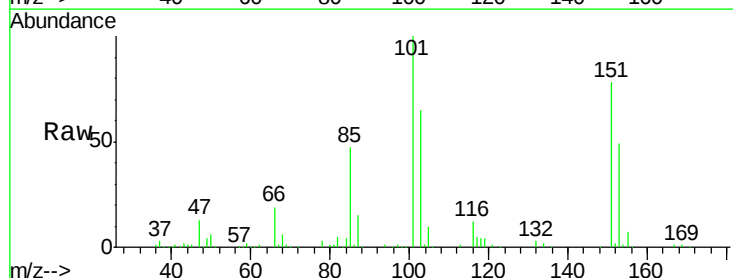
Acq: 21 Oct 2015 7:32

Tgt Ion:101 Resp: 732933

Ion Ratio Lower Upper

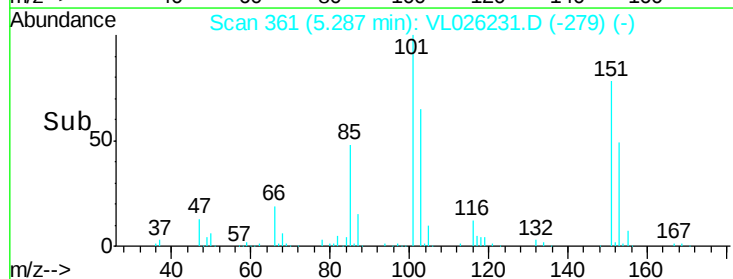
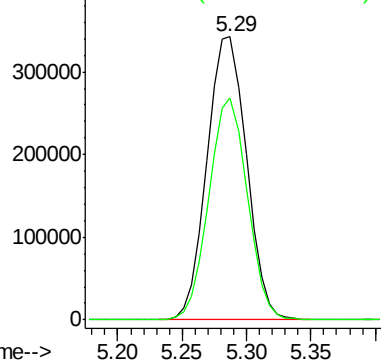
101 100

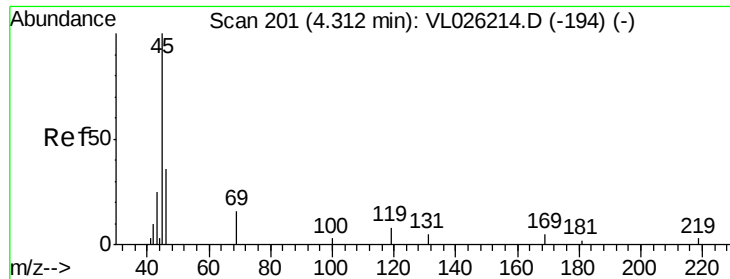
151 76.4 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 12.84 ppbv

RT: 4.32 min Scan# 202

Delta R.T. 0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

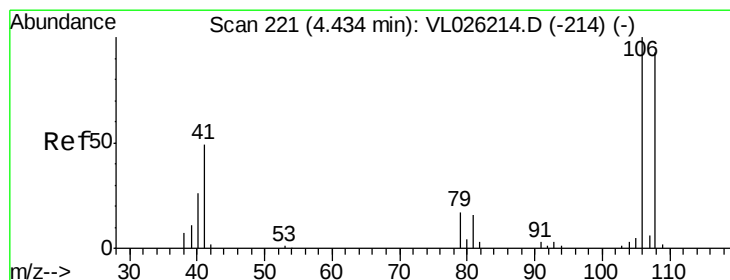
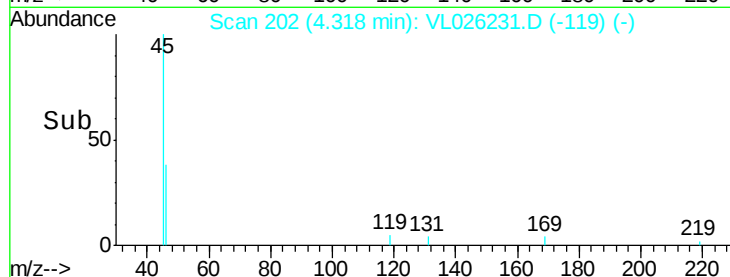
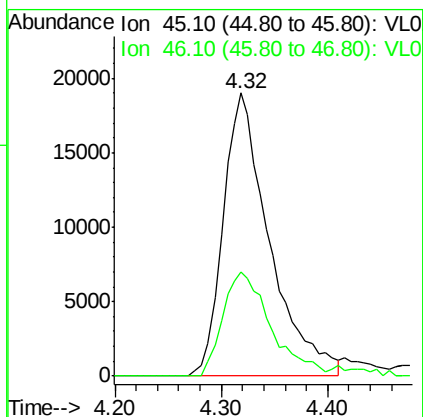
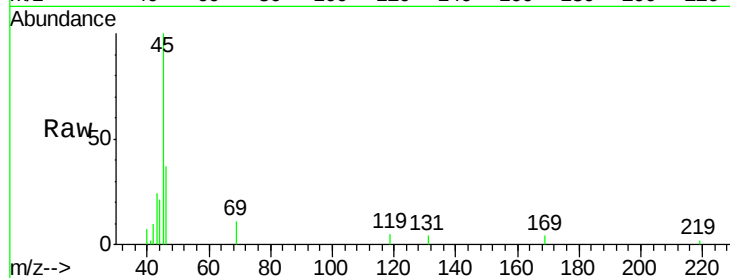
VSTDCCC010

Tot Ion: 45 Resp: 57706

Ion Ratio Lower Upper

45 100

46 40.6 15.8 63.0



#14

Bromoethene

Concen: 10.74 ppbv

RT: 4.43 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

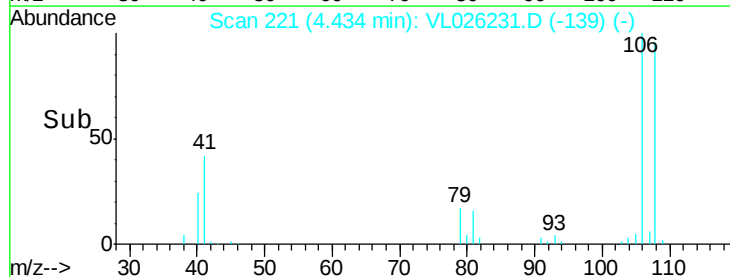
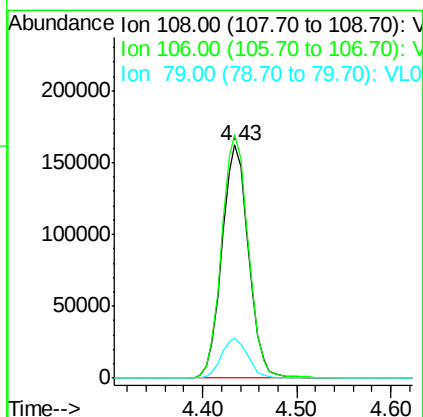
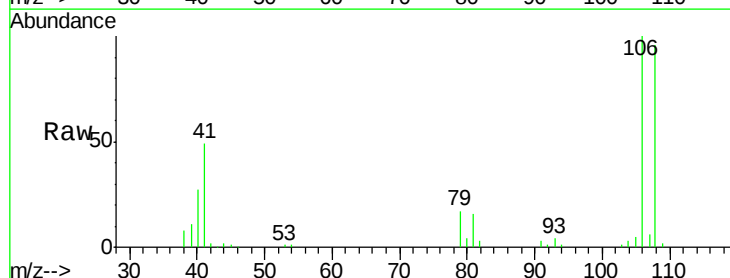
Tgt Ion: 108 Resp: 317982

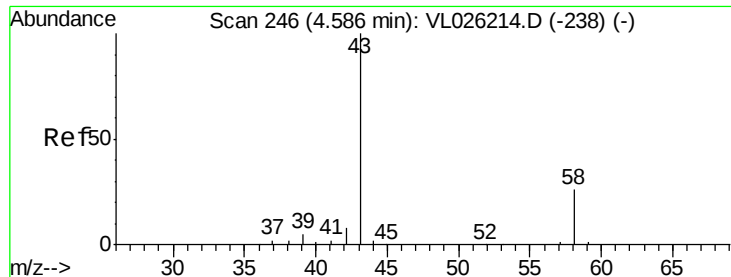
Ion Ratio Lower Upper

108 100

106 104.9 84.7 127.1

79 17.1 14.0 21.0





#15

Acetone

Concen: 8.97 ppbv

RT: 4.59 min Scan# 246

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

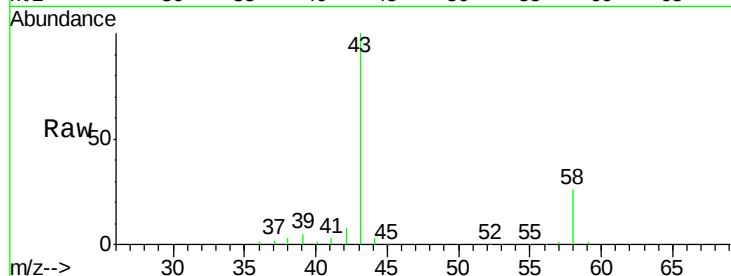
VSTDCCC010

Tot Ion: 43 Resp: 667628

Ion Ratio Lower Upper

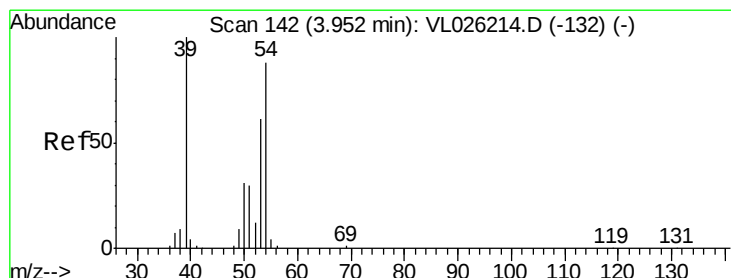
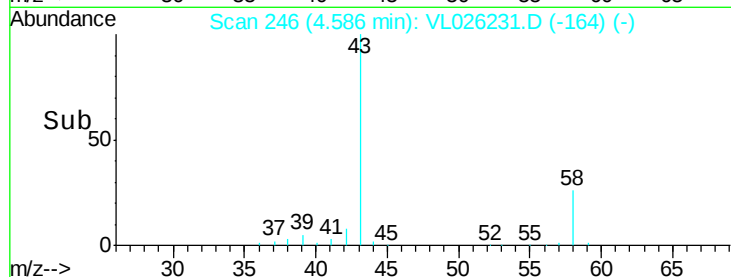
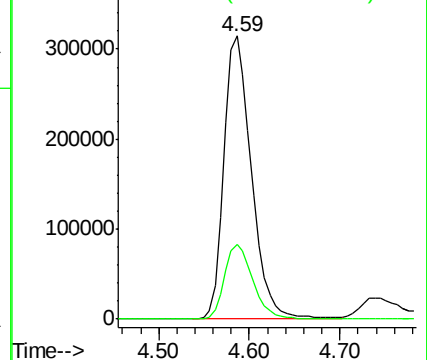
43 100

58 27.2 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: 10.19 ppbv

RT: 3.95 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL026231.D

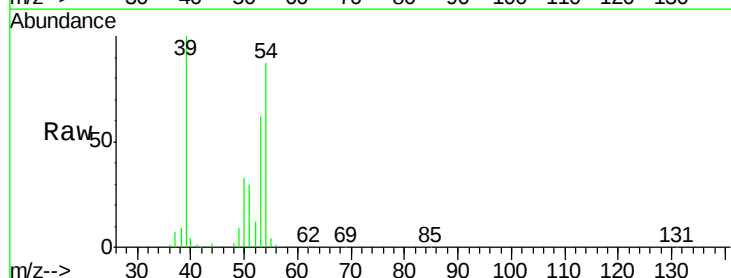
Acq: 21 Oct 2015 7:32

Tgt Ion: 39 Resp: 338083

Ion Ratio Lower Upper

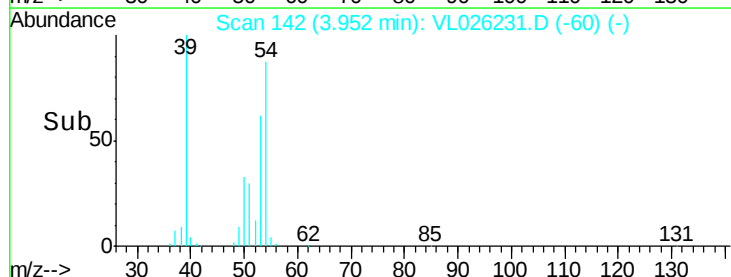
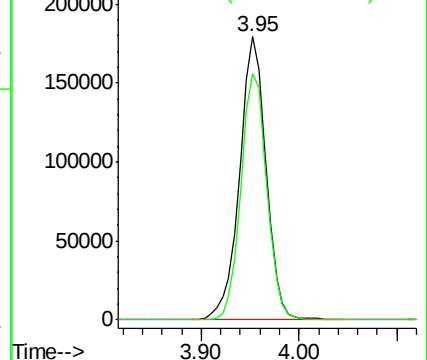
39 100

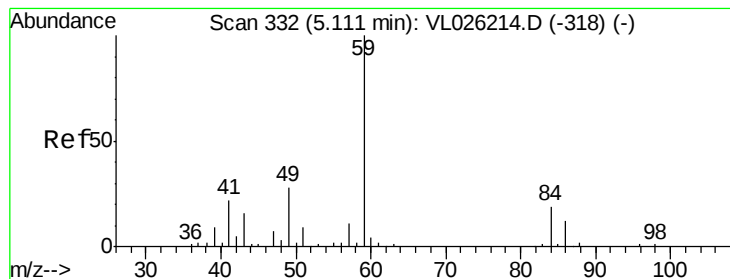
54 85.2 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.21 ppbv

RT: 5.12 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

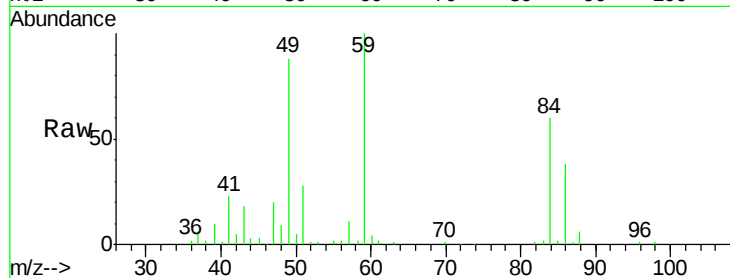
VSTDCCC010

Tot Ion: 59 Resp: 519089

Ion Ratio Lower Upper

59 100

57 12.1 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.12

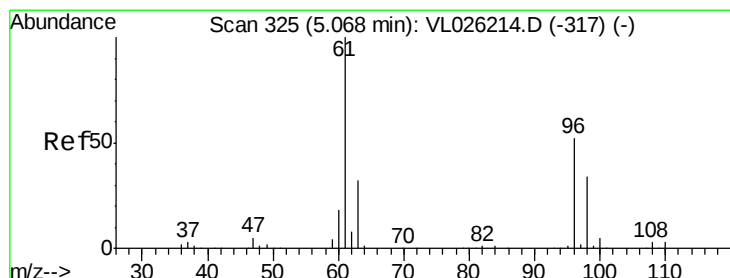
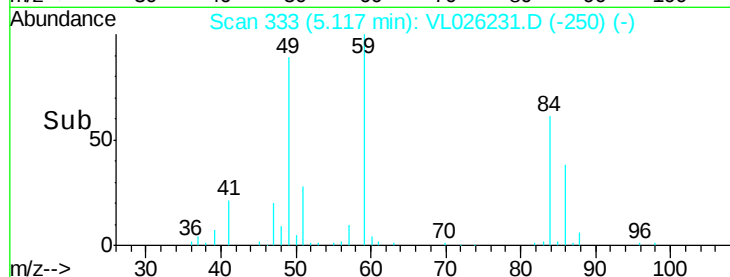
150000

100000

50000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.75 ppbv

RT: 5.07 min Scan# 325

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

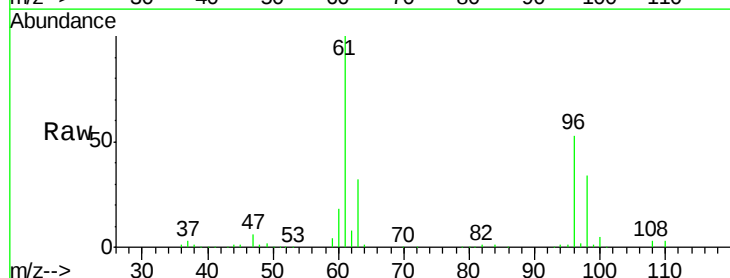
Tgt Ion: 96 Resp: 340350

Ion Ratio Lower Upper

96 100

61 189.3 153.7 230.5

98 65.1 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

400000

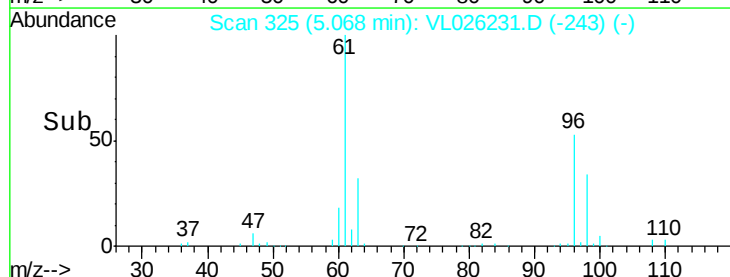
300000

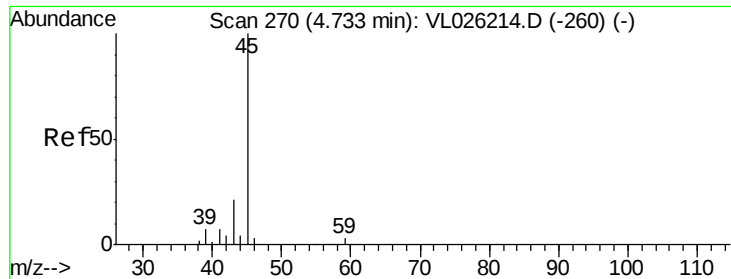
200000

100000

0

Time-->



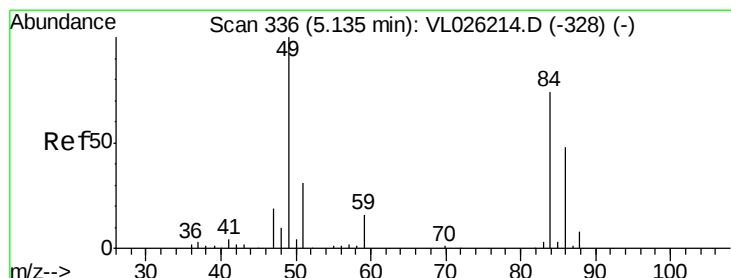
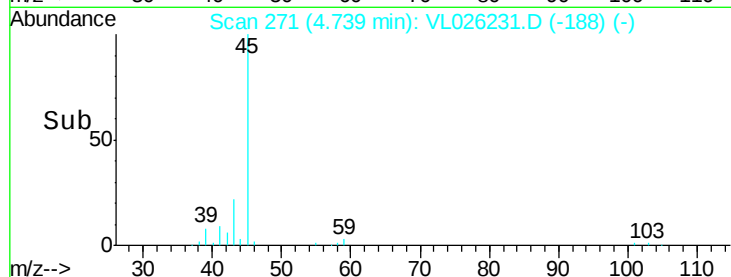
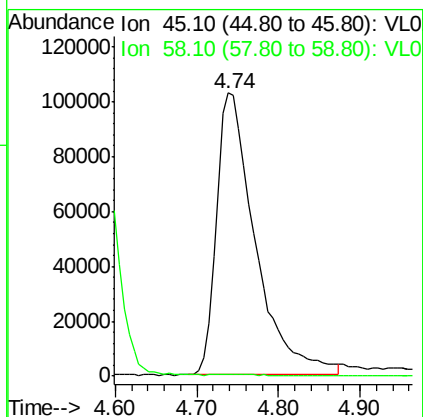
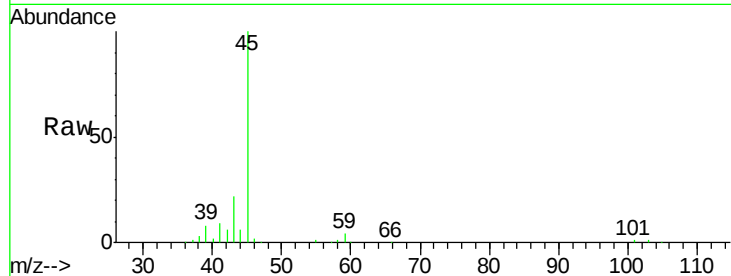


#19

Isopropyl Alcohol
 Concen: 11.67 ppbv
 RT: 4.74 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

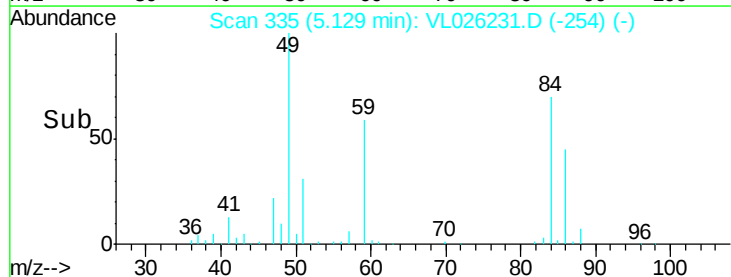
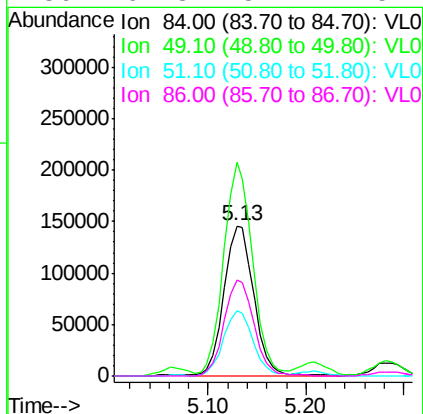
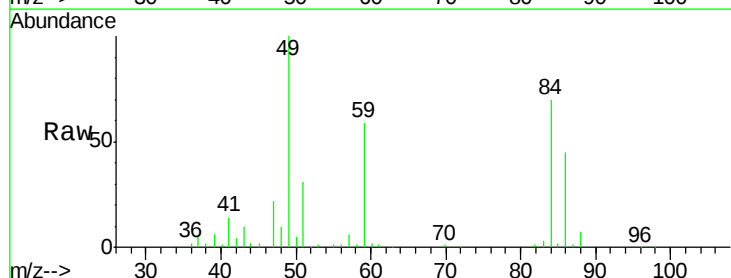
Tot Ion: 45 Resp: 339579
 Ion Ratio Lower Upper
 45 100
 58 53.5 40.3 60.5

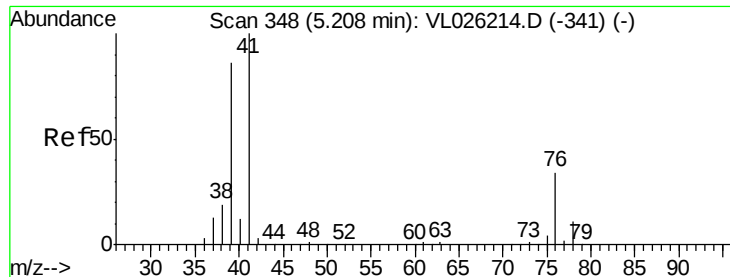


#20

Methylene Chloride
 Concen: 10.44 ppbv
 RT: 5.13 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

Tgt Ion: 84 Resp: 309934
 Ion Ratio Lower Upper
 84 100
 49 141.2 108.7 163.1
 51 43.5 33.7 50.5
 86 64.3 52.2 78.2





#21

Allvl Chloride

Concen: 10.60 ppbv

RT: 5.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

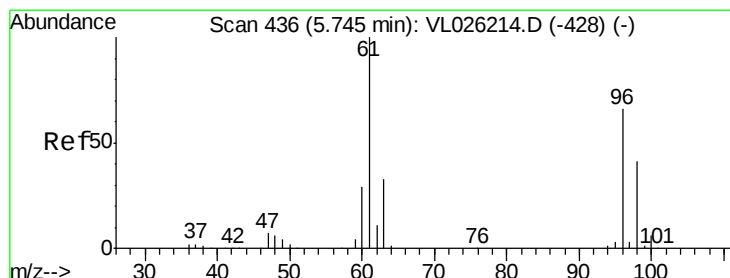
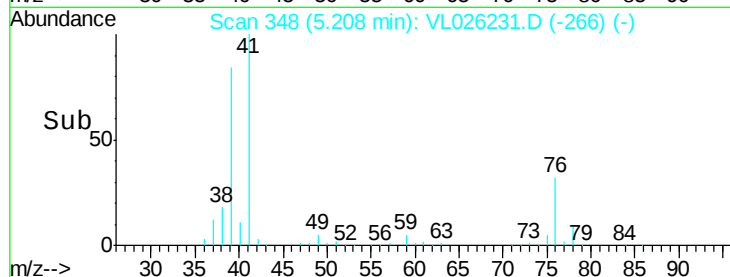
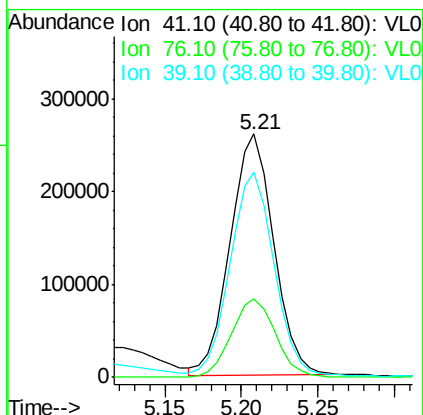
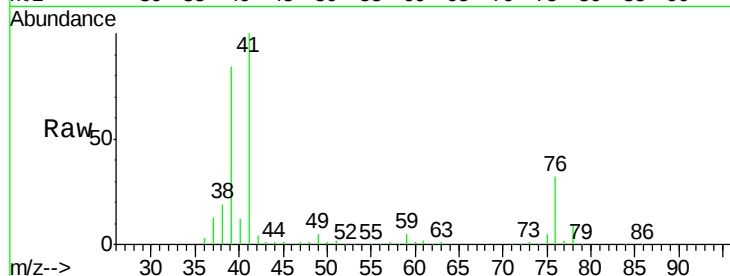
Tot Ion: 41 Resp: 515002

Ion Ratio Lower Upper

41 100

76 32.7 26.6 39.8

39 85.7 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 10.33 ppbv

RT: 5.74 min Scan# 436

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

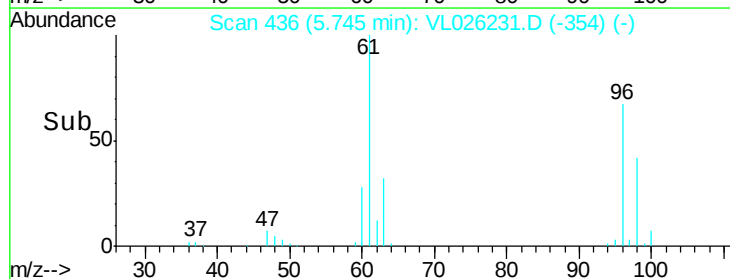
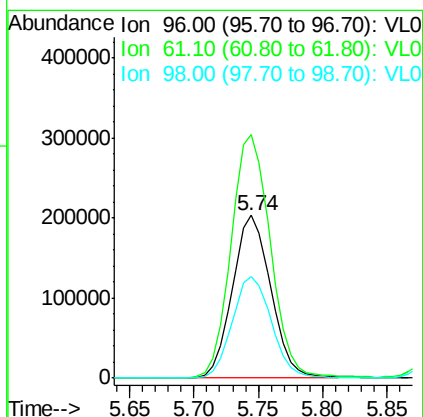
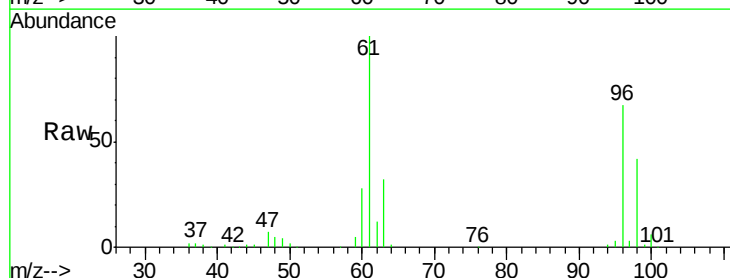
Tgt Ion: 96 Resp: 421890

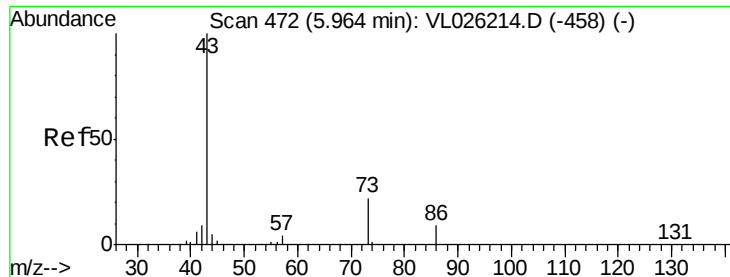
Ion Ratio Lower Upper

96 100

61 149.7 121.5 182.3

98 62.5 49.7 74.5





#23

Vinyl Acetate

Concen: 10.21 ppbv

RT: 5.96 min Scan# 472

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

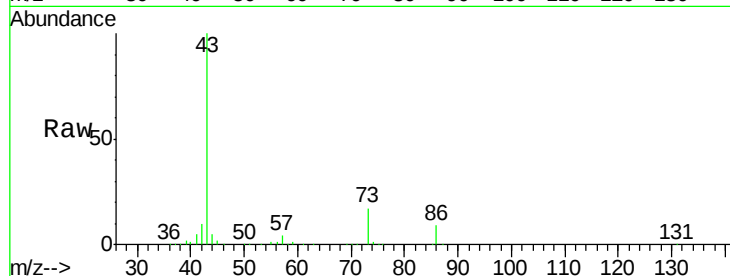
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1400780

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.0	10.6
42	9.5	7.5	11.3
44	4.5	3.6	5.4

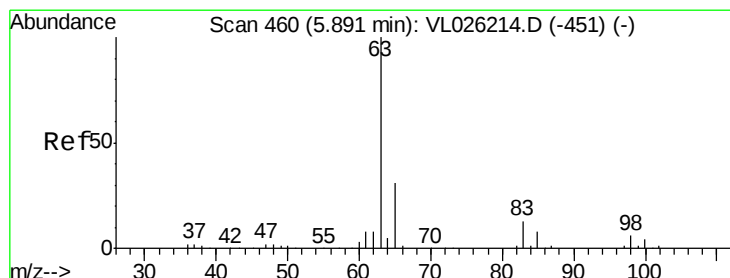
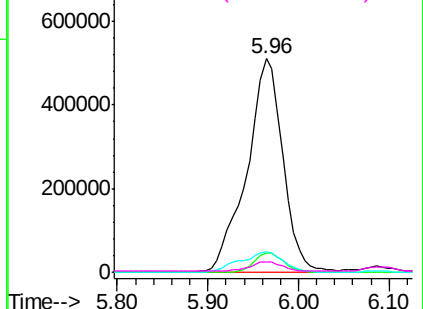
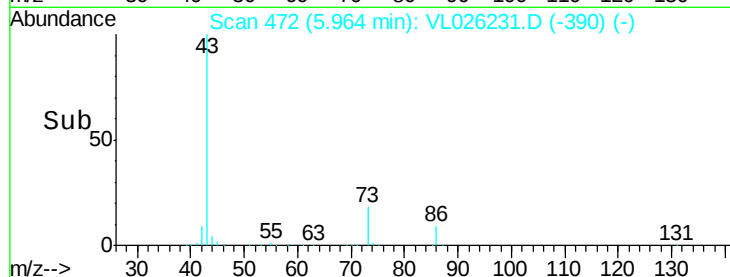


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 10.14 ppbv

RT: 5.89 min Scan# 460

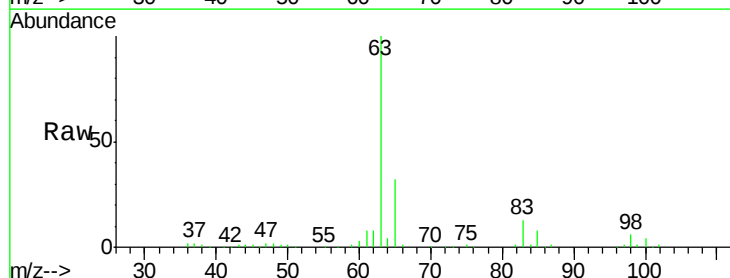
Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Tgt Ion: 63 Resp: 877590

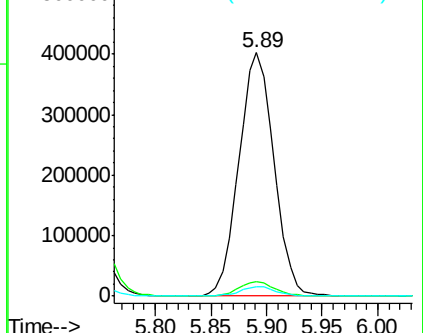
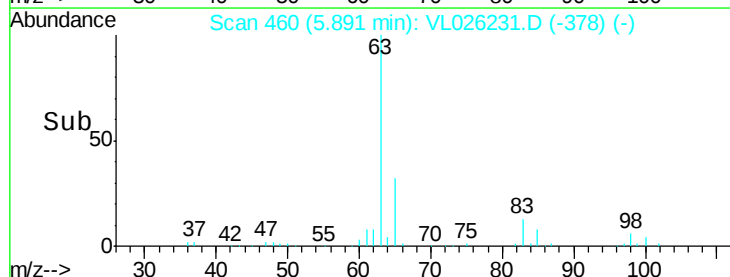
Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.9	8.8
100	3.8	1.8	5.5

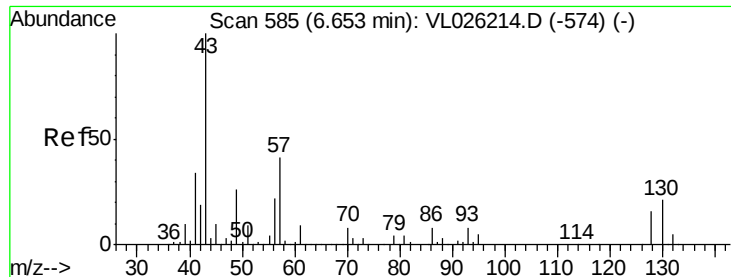


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



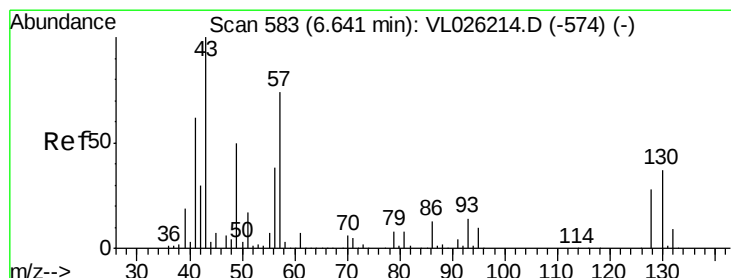
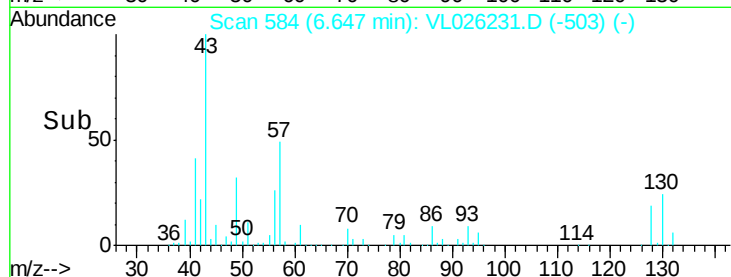
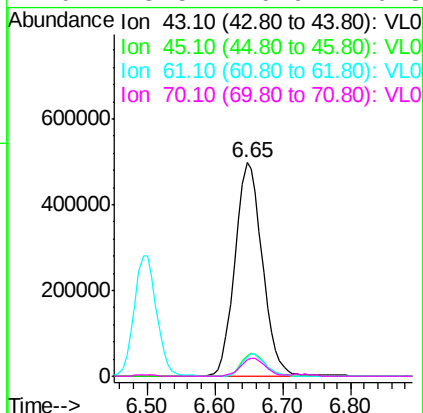
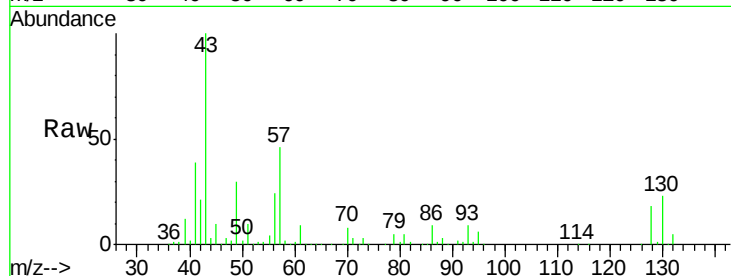


#25
Ethyl Acetate
Concen: 9.97 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1390464

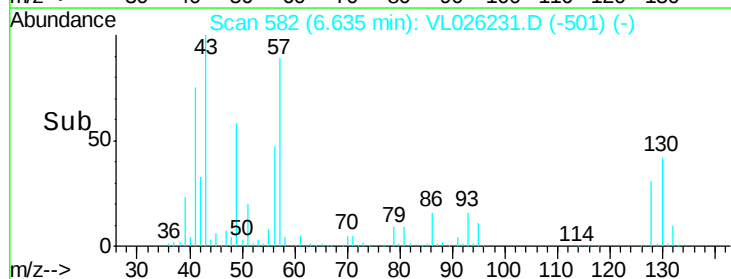
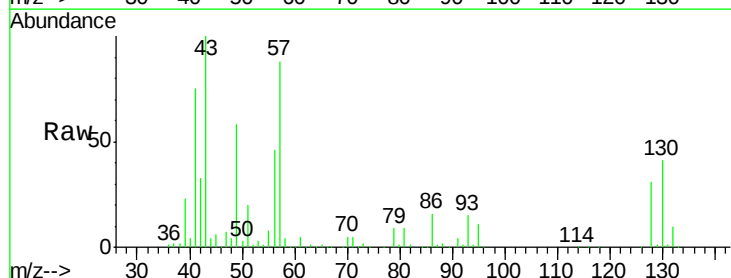
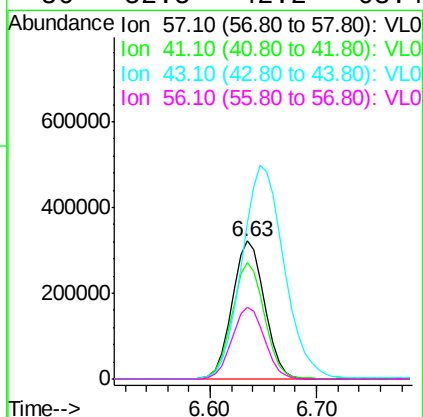
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.7	11.5
61	9.4	7.5	11.3
70	8.5	6.9	10.3

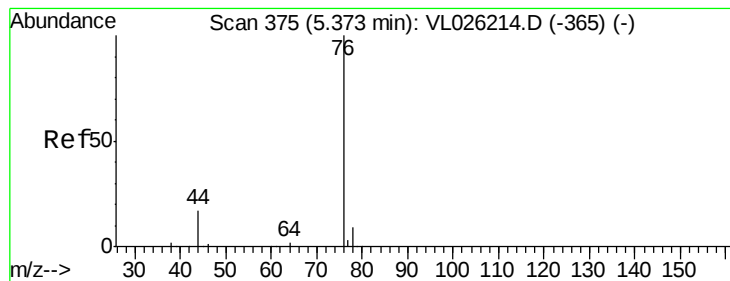


#26
Hexane
Concen: 9.83 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 57 Resp: 685175

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.1	102.1
43	204.3	163.4	245.2
56	52.5	42.2	63.4





#27

Carbon Disulfide

Concen: 10.74 ppbv

RT: 5.37 min Scan# 374

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

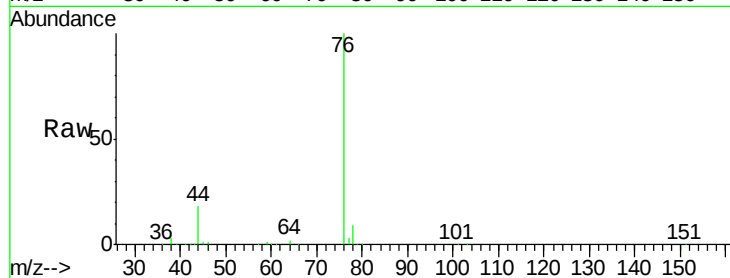
Tot Ion: 76 Resp: 957433

Ion Ratio Lower Upper

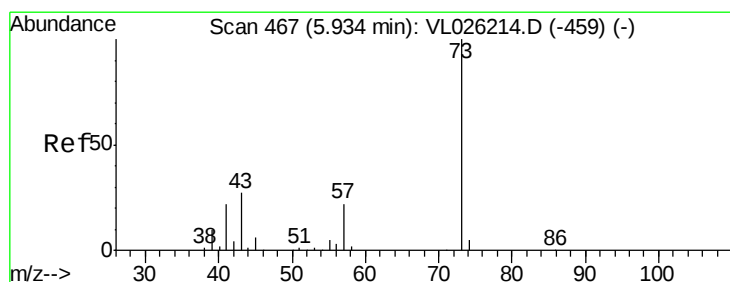
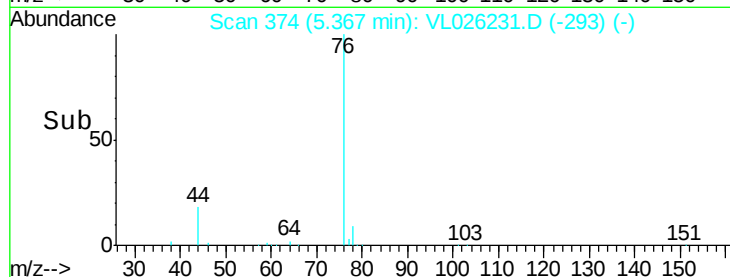
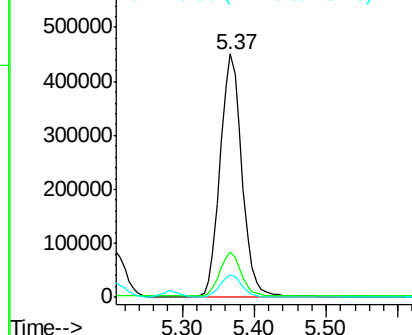
76 100

44 17.5 14.0 21.0

78 9.4 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: 10.07 ppbv

RT: 5.93 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL026231.D

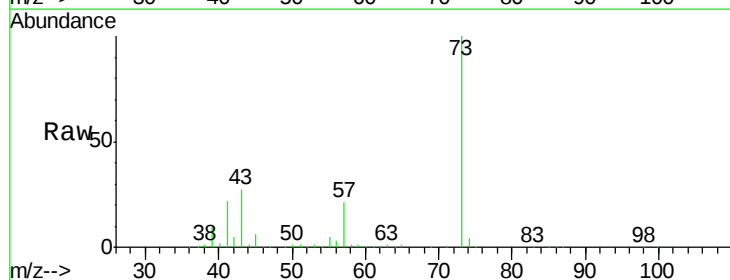
Acq: 21 Oct 2015 7:32

Tgt Ion: 73 Resp: 1275564

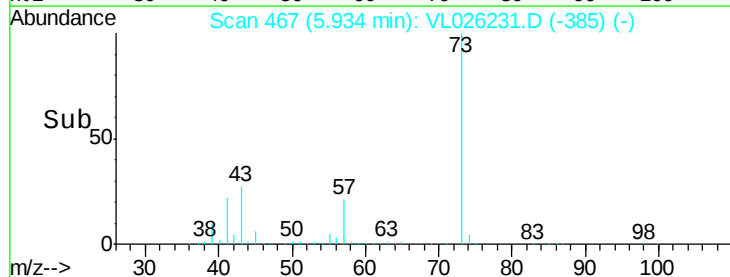
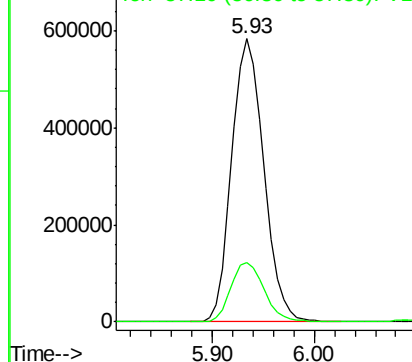
Ion Ratio Lower Upper

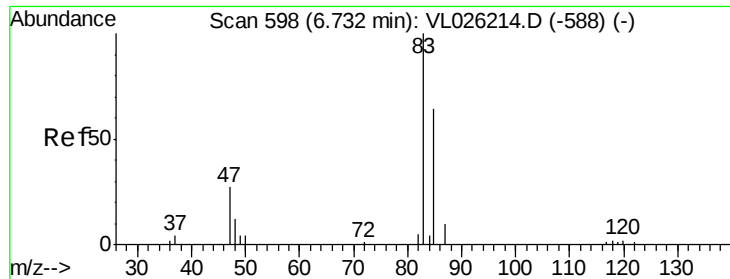
73 100

57 21.6 17.4 26.0



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

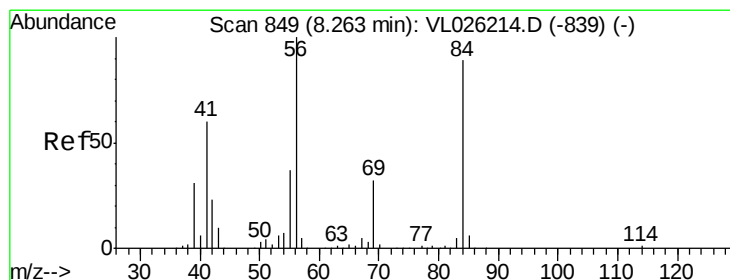
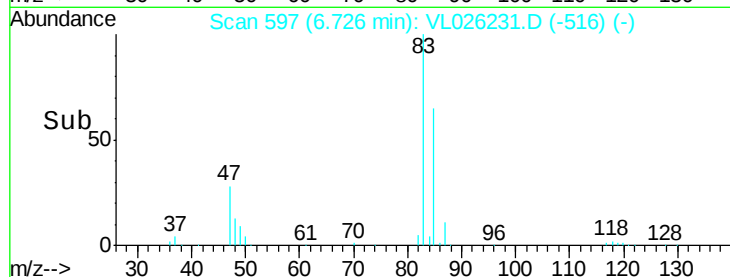
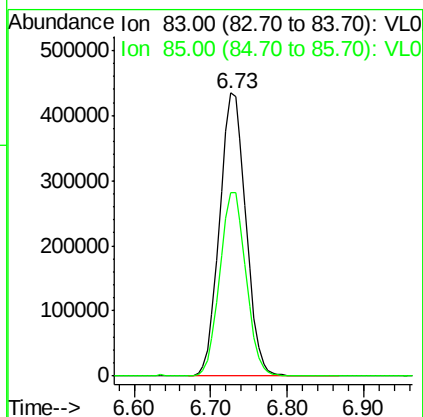
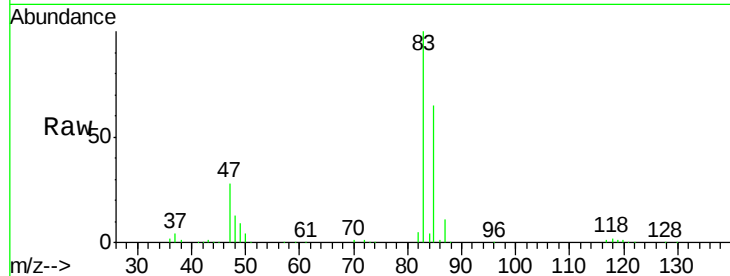




#29
Chloroform
Concen: 10.23 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

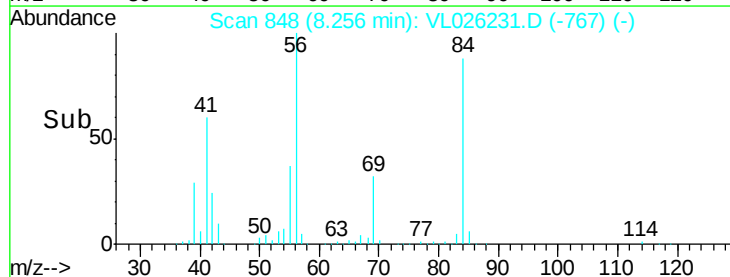
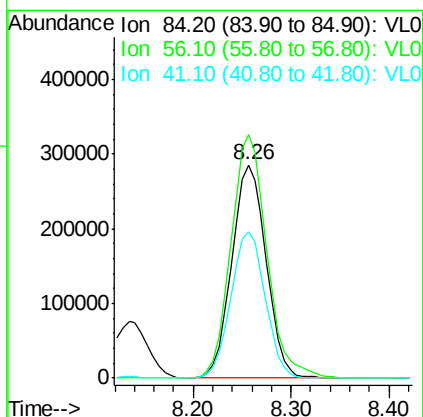
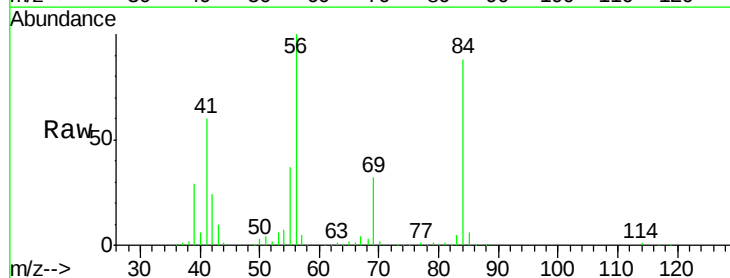
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

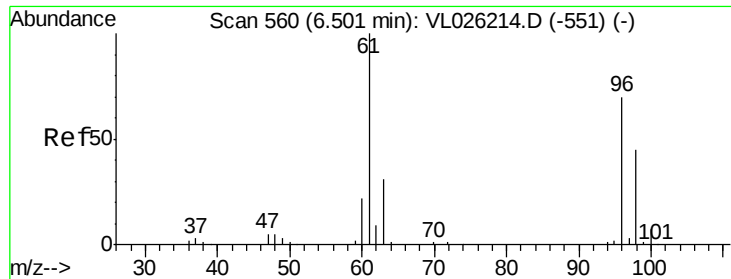
Tot Ion: 83 Resp: 1035223
Ion Ratio Lower Upper
83 100
85 64.6 51.5 77.3



#30
Cyclohexane
Concen: 9.94 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 84 Resp: 693037
Ion Ratio Lower Upper
84 100
56 120.1 95.9 143.9
41 69.3 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 10.26 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

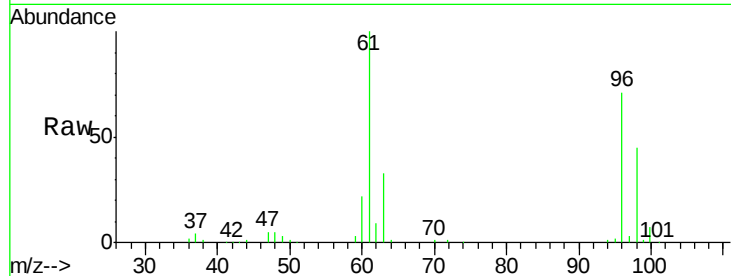
Tot Ion: 61 Resp: 649057

Ion Ratio Lower Upper

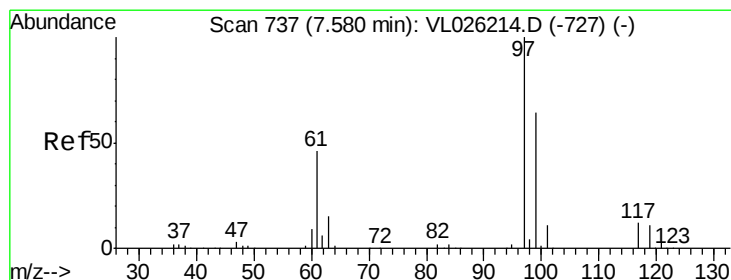
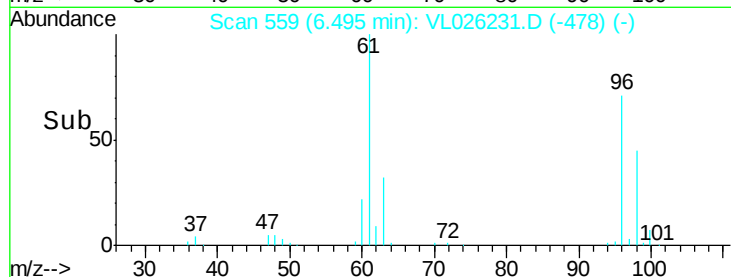
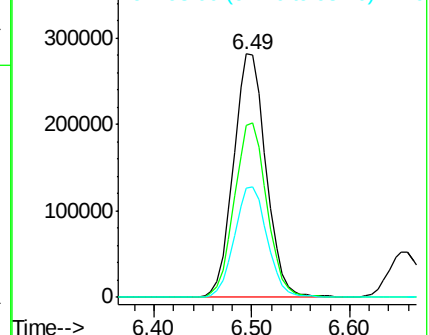
61 100

96 70.8 56.0 84.0

98 44.8 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: 9.78 ppbv

RT: 7.57 min Scan# 736

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

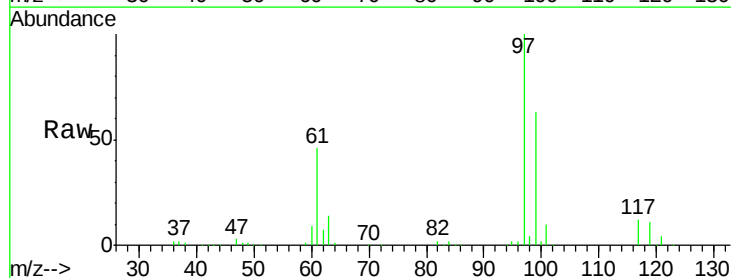
Tgt Ion: 97 Resp: 1097186

Ion Ratio Lower Upper

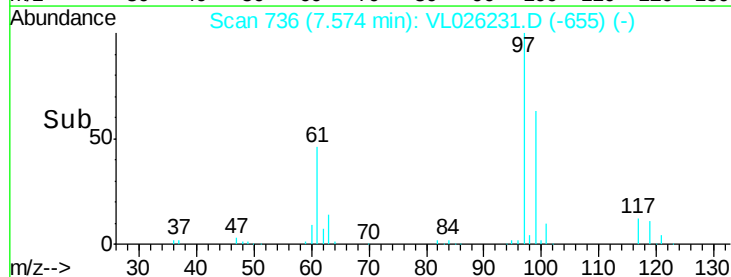
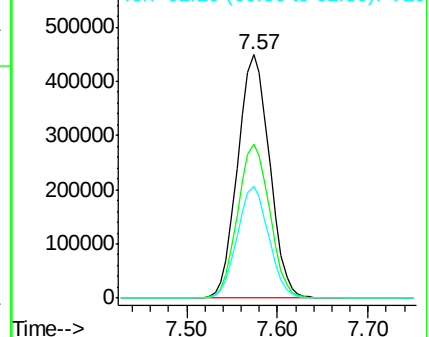
97 100

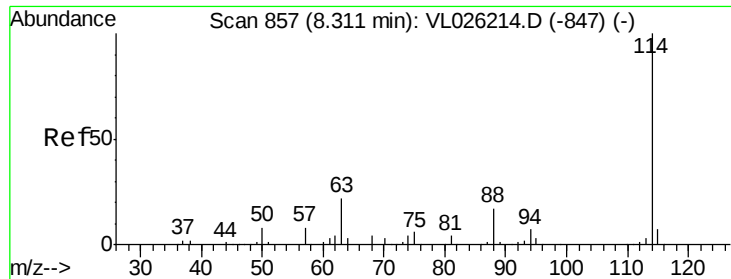
99 63.5 51.4 77.0

61 45.5 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

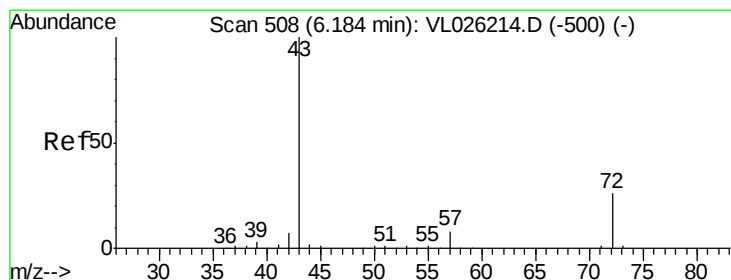
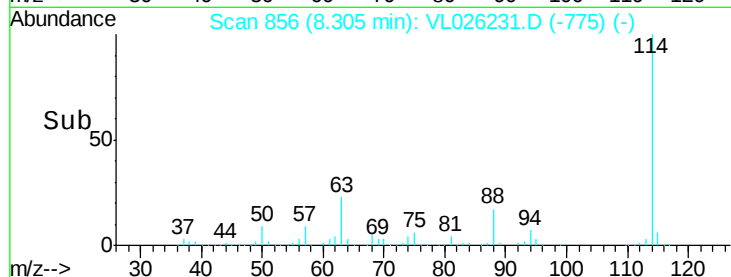
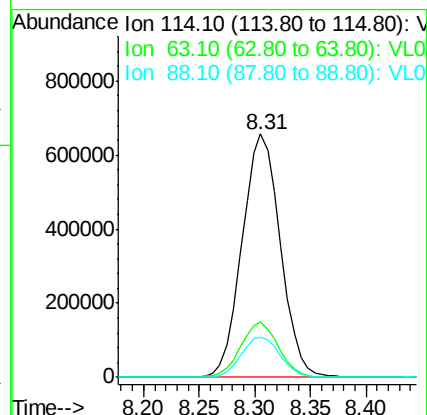
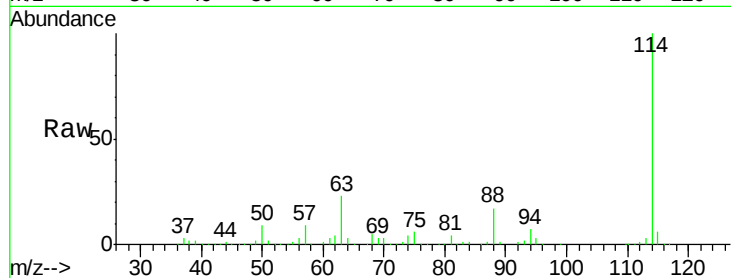




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

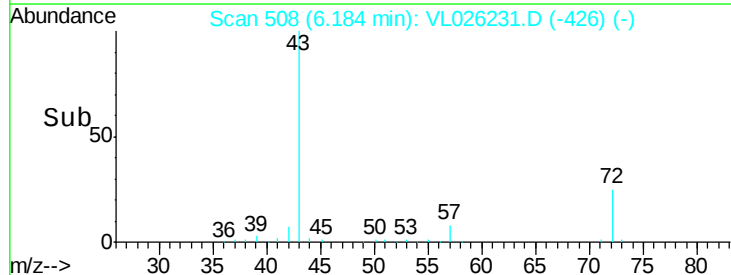
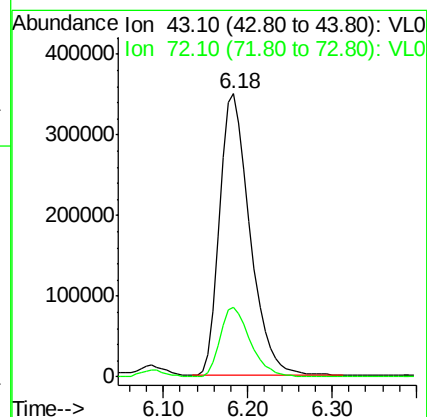
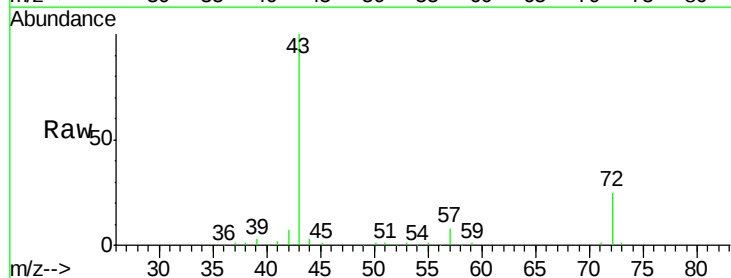
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

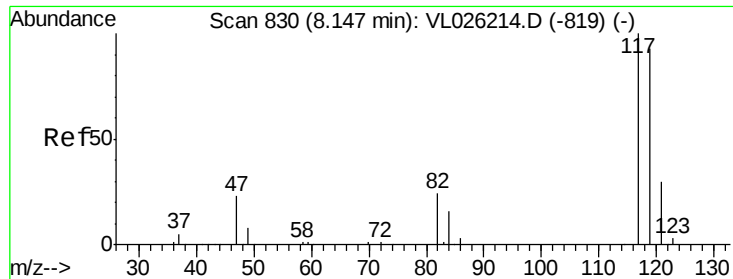
Tot Ion:114 Resp: 1567591
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.2 27.4
 88 16.8 13.5 20.3



#34
 2-Butanone
 Concen: 9.79 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

Tgt Ion: 43 Resp: 867636
 Ion Ratio Lower Upper
 43 100
 72 24.7 20.1 30.1

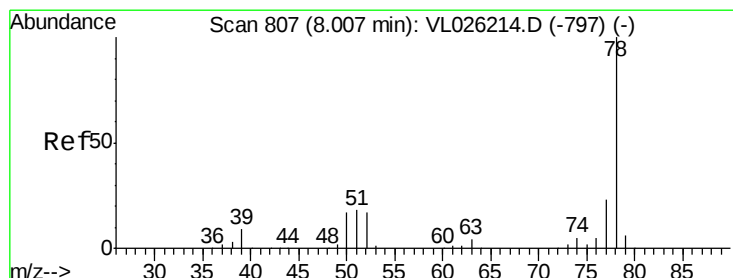
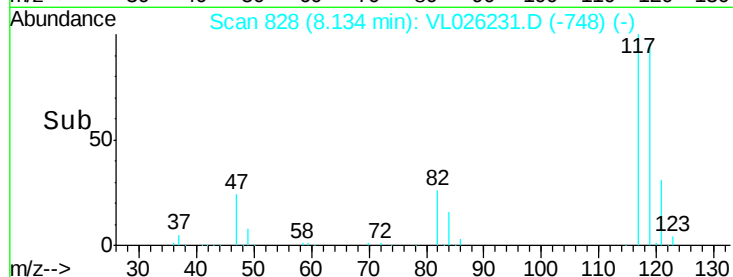
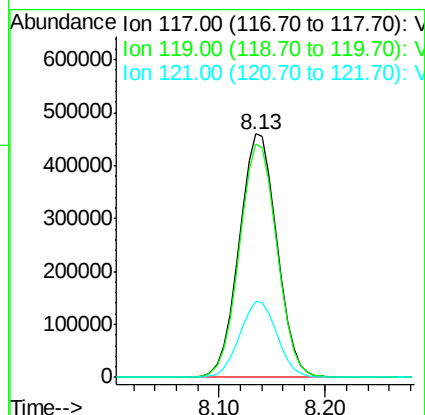
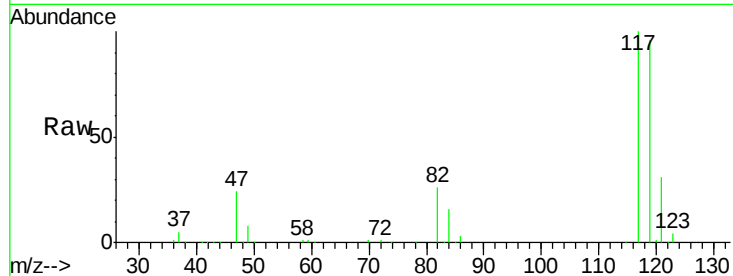




#35
Carbon Tetrachloride
Concen: 9.59 ppbv
RT: 8.13 min Scan# 828
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

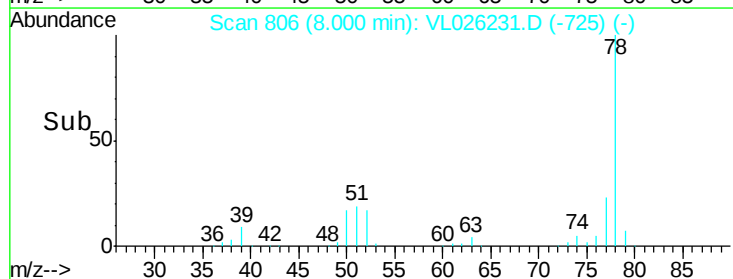
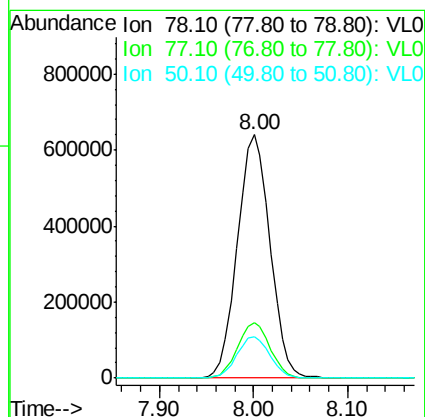
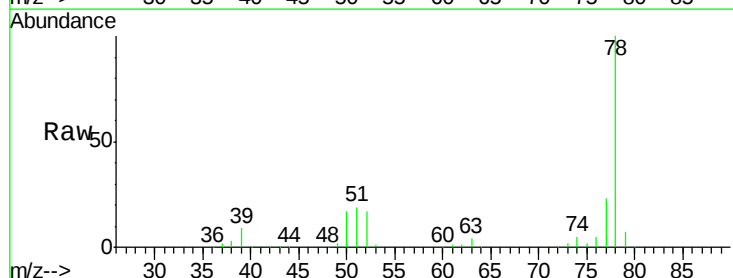
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

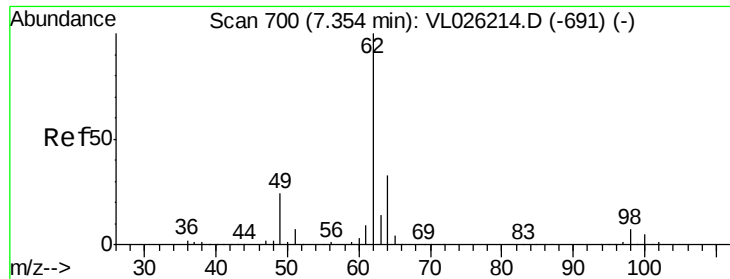
Tot Ion:117 Resp: 1145262
Ion Ratio Lower Upper
117 100
119 95.6 74.6 111.8
121 31.0 24.2 36.2



#36
Benzene
Concen: 9.66 ppbv
RT: 8.00 min Scan# 806
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 78 Resp: 1541782
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 17.1 13.8 20.8





#37

1,2-Dichloroethane

Concen: 10.20 ppbv

RT: 7.35 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

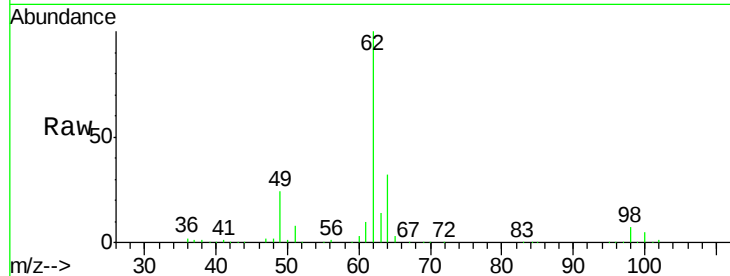
VSTDCCC010

Tot Ion: 62 Resp: 836994

Ion Ratio Lower Upper

62 100

98 7.4 6.1 9.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

7.35

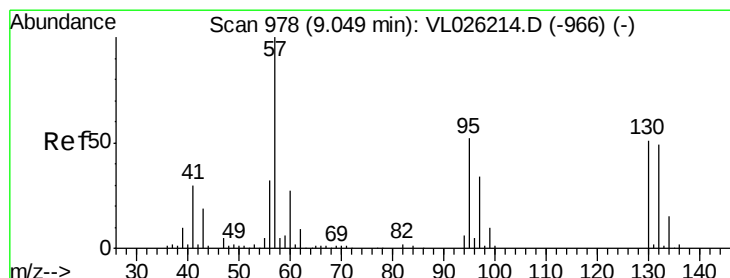
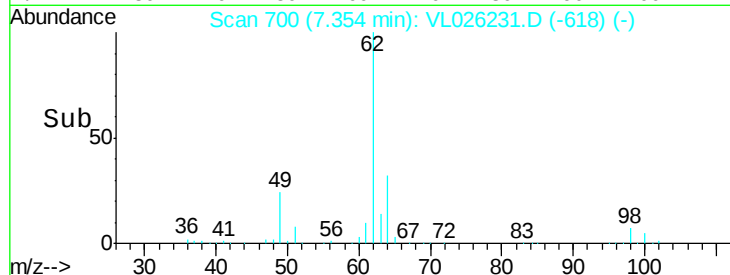
300000

200000

100000

0

Time-->



#38

Trichloroethene

Concen: 8.28 ppbv

RT: 9.04 min Scan# 976

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Tgt Ion:130 Resp: 641673

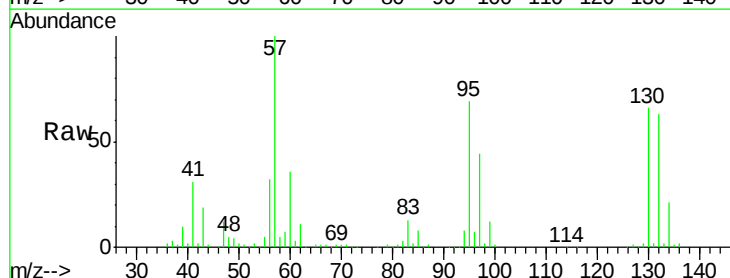
Ion Ratio Lower Upper

130 100

95 104.8 81.0 121.4

132 95.3 76.5 114.7

97 67.1 52.5 78.7



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

9.04

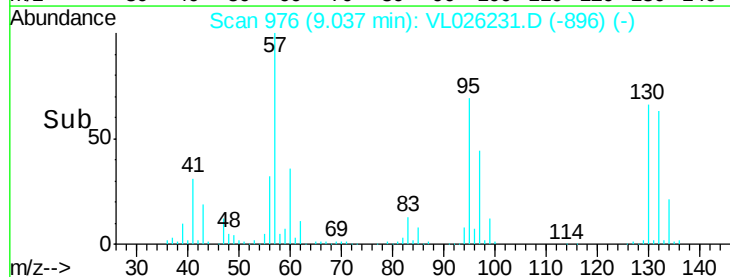
300000

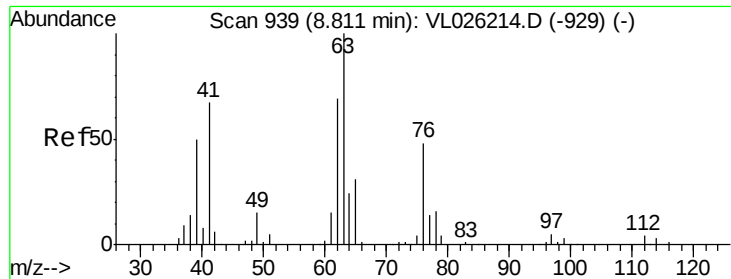
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.80 ppbv

RT: 8.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

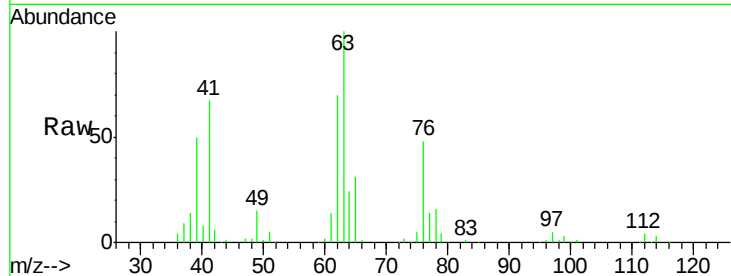
Tot Ion: 63 Resp: 550094

Ion Ratio Lower Upper

63 100

41 67.2 53.2 79.8

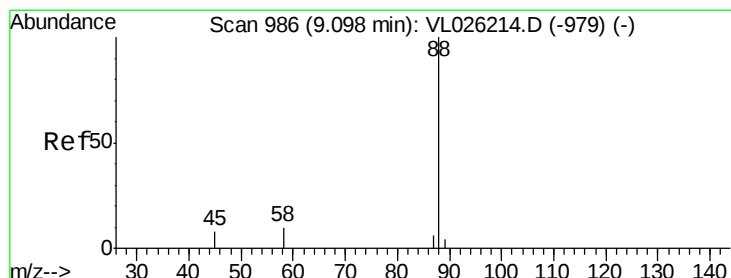
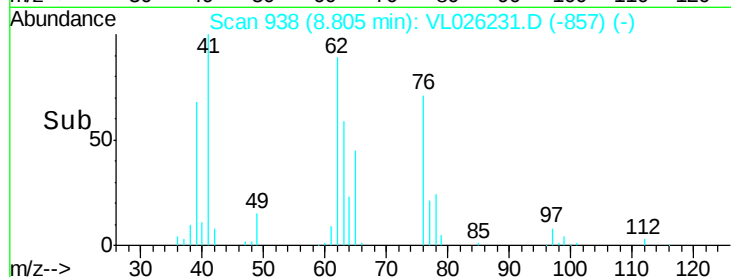
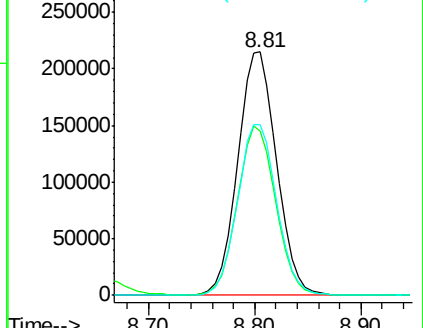
62 70.1 55.4 83.2



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: 14.17 ppbv

RT: 9.10 min Scan# 986

Delta R.T. -0.00 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Tgt Ion: 88 Resp: 149488

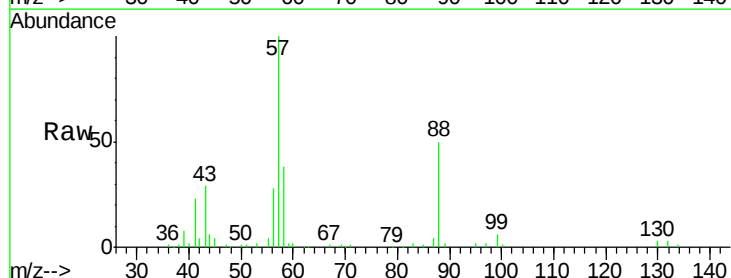
Ion Ratio Lower Upper

88 100

58 143.8 115.4 173.2

43 333.0 272.6 409.0

57 1635.6 1356.1 2034.1

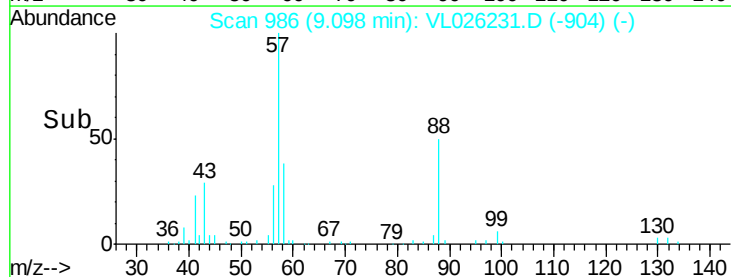
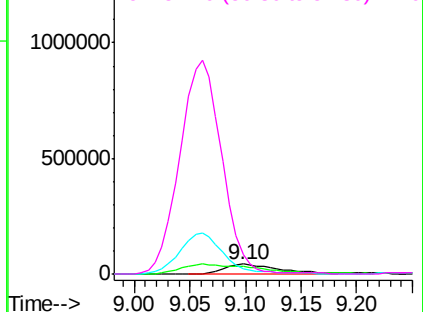


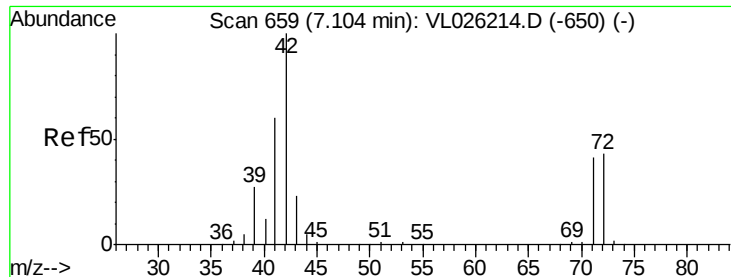
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.97 ppbv

RT: 7.10 min Scan# 658

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

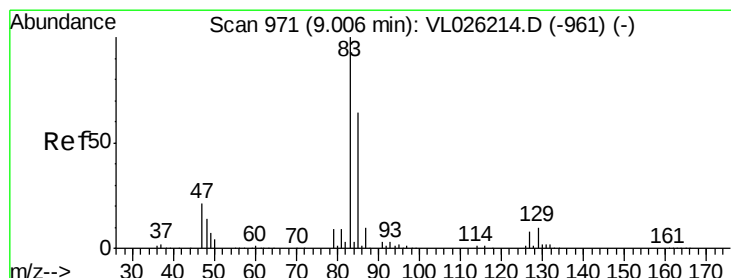
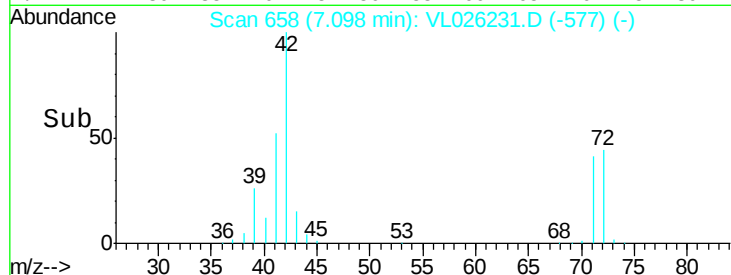
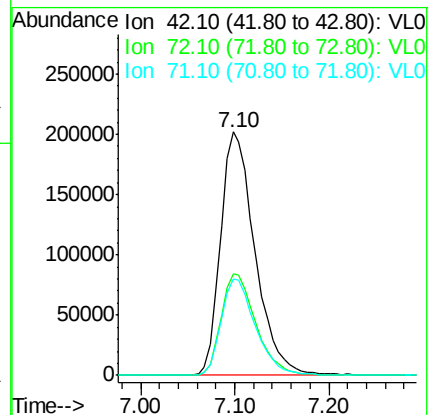
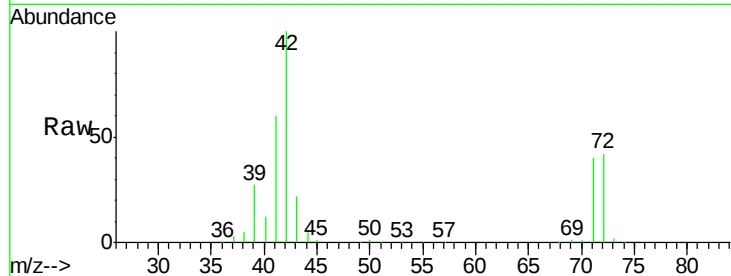
Tot Ion: 42 Resp: 511224

Ion Ratio Lower Upper

42 100

72 42.4 34.3 51.5

71 39.7 32.1 48.1



#42

Bromodichloromethane

Concen: 9.91 ppbv

RT: 9.00 min Scan# 970

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

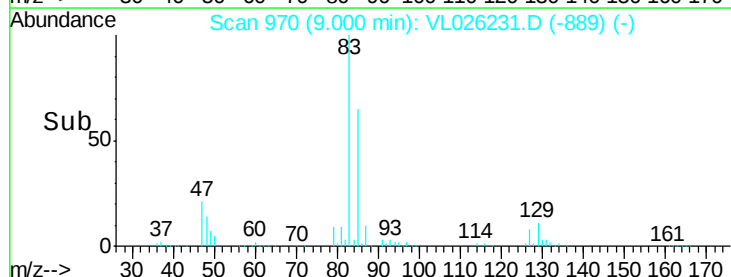
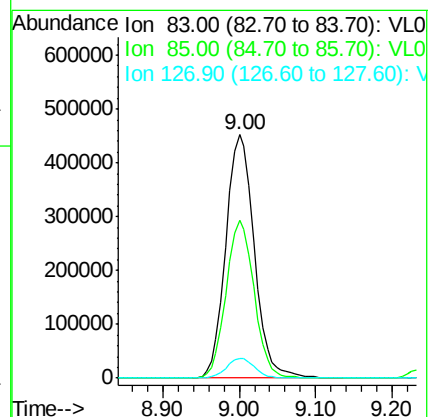
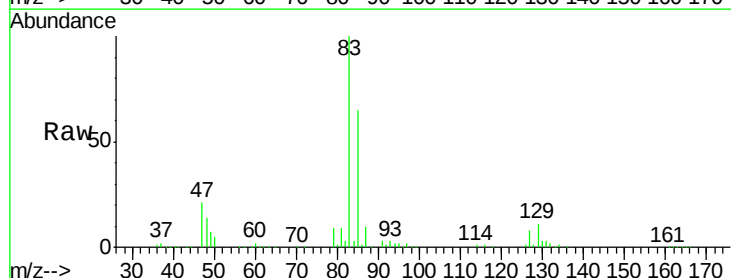
Tgt Ion: 83 Resp: 1170121

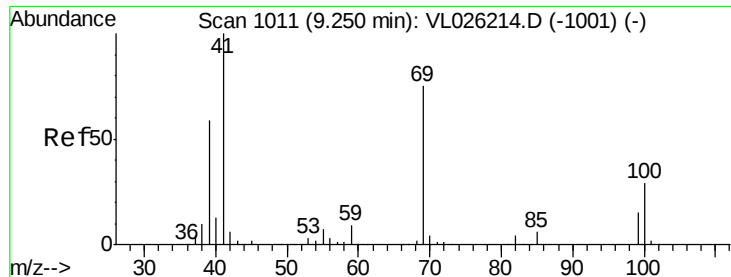
Ion Ratio Lower Upper

83 100

85 64.7 50.9 76.3

127 8.0 6.2 9.4

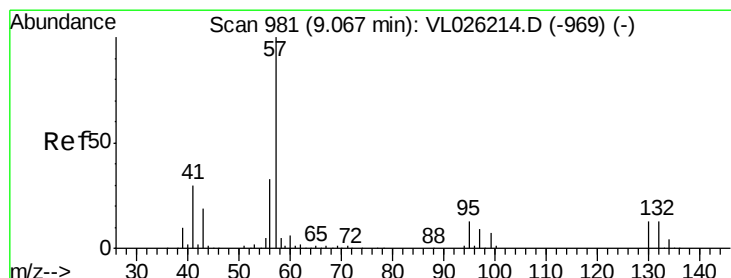
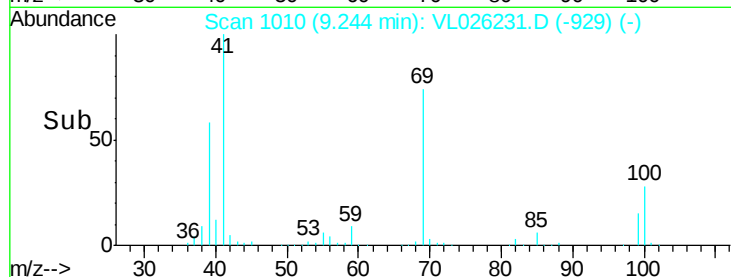
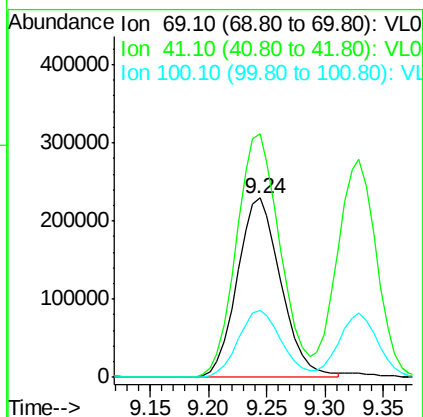
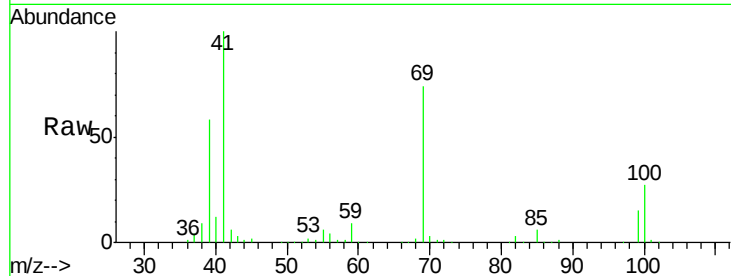




#43
Methvl Methacrvlate
Concen: 10.28 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

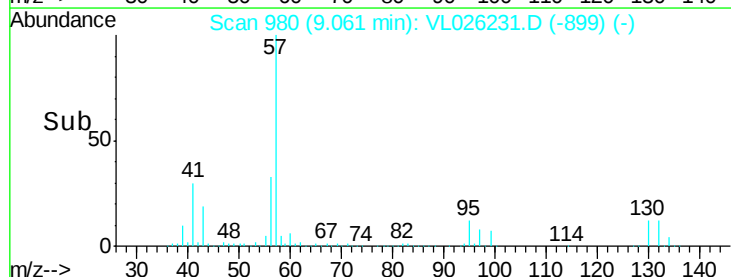
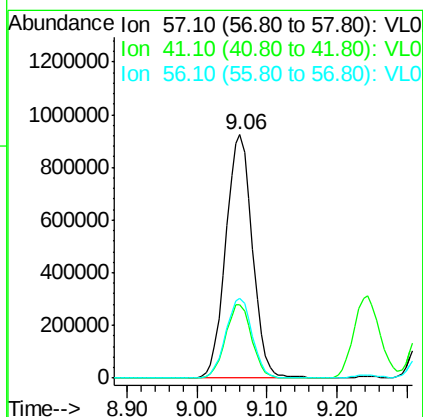
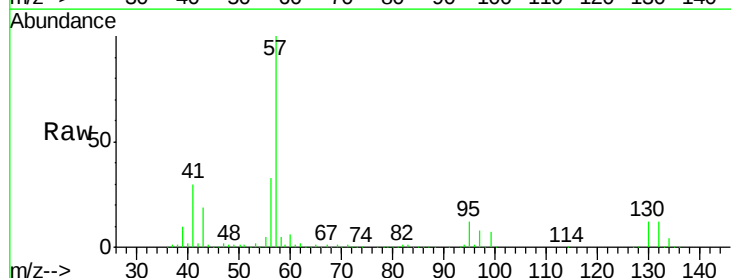
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

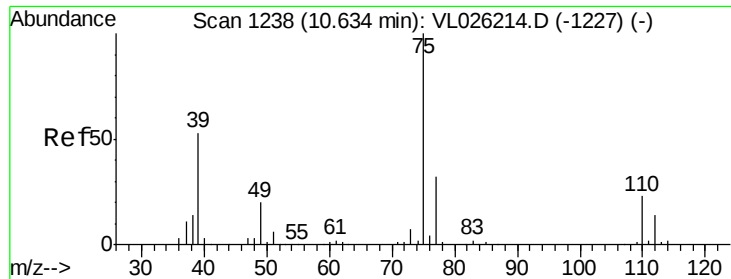
Tot Ion: 69 Resp: 597434
Ion Ratio Lower Upper
69 100
41 137.0 108.4 162.6
100 37.5 30.6 45.8



#44
2,2,4-Trimethylpentane
Concen: 9.46 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 57 Resp: 2446003
Ion Ratio Lower Upper
57 100
41 29.7 23.7 35.5
56 32.5 25.9 38.9

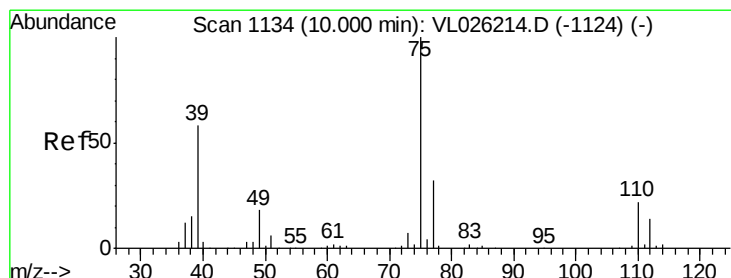
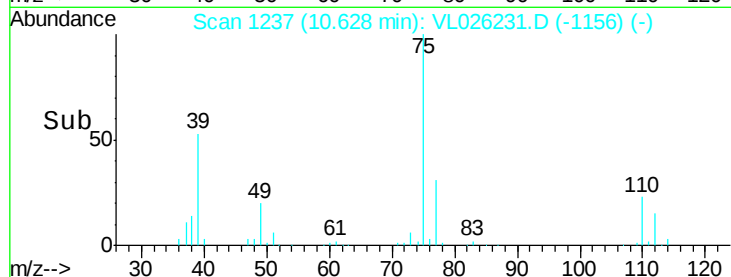
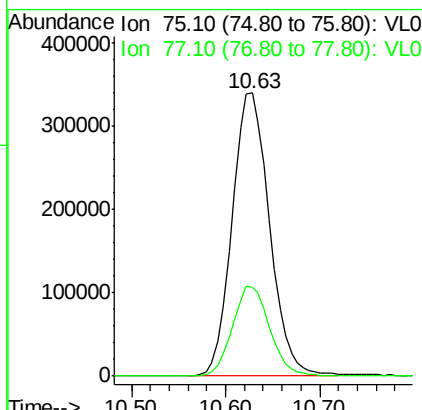
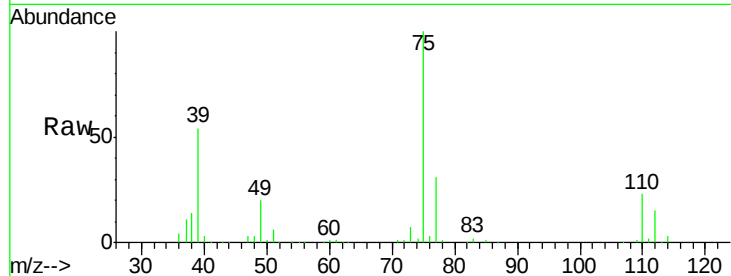




#45
t-1,3-Dichloropropene
Concen: 10.39 ppbv
RT: 10.63 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

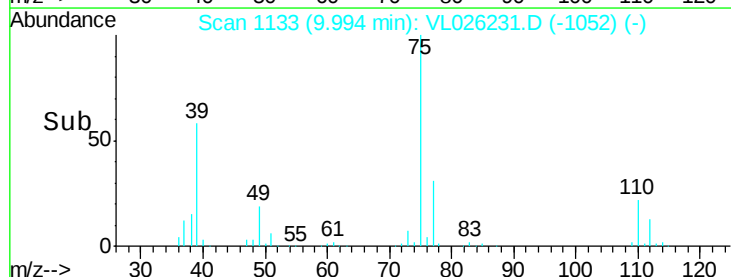
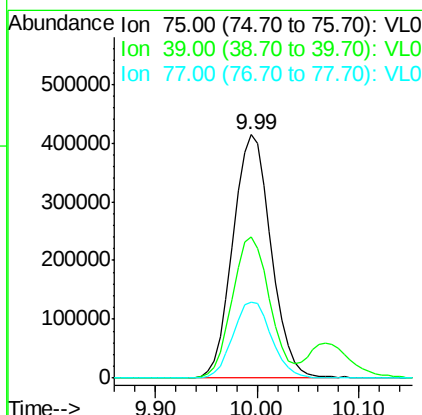
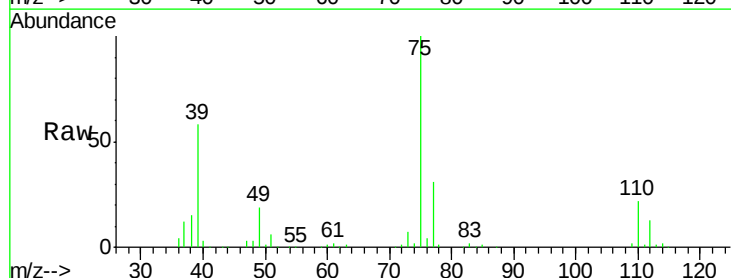
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

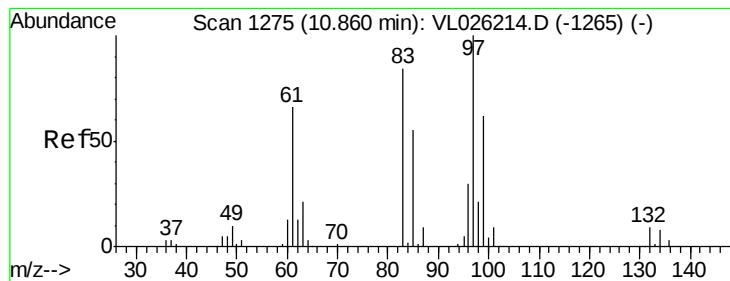
Tot Ion: 75 Resp: 942384
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8



#46
cis-1,3-Dichloropropene
Concen: 10.14 ppbv
RT: 9.99 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 75 Resp: 1076050
Ion Ratio Lower Upper
75 100
39 57.9 46.2 69.4
77 31.3 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.92 ppbv

RT: 10.85 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 699965

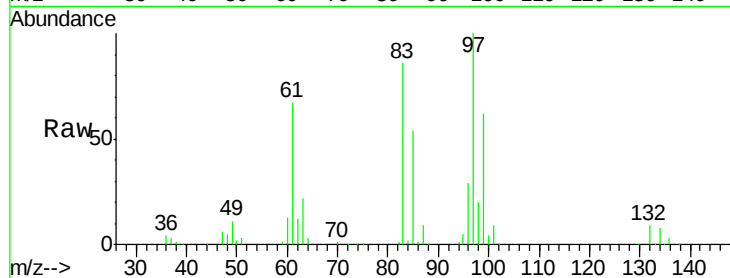
Ion Ratio Lower Upper

97 100

83 86.0 67.4 101.2

85 54.3 43.8 65.6

99 62.0 49.8 74.6

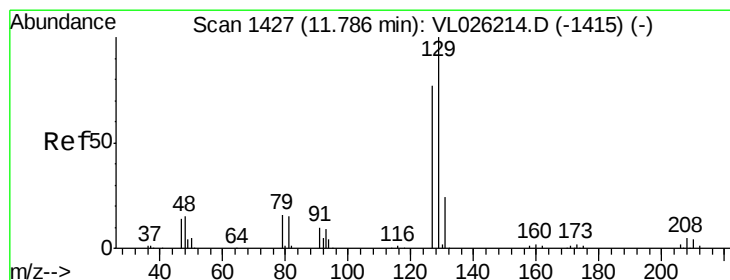
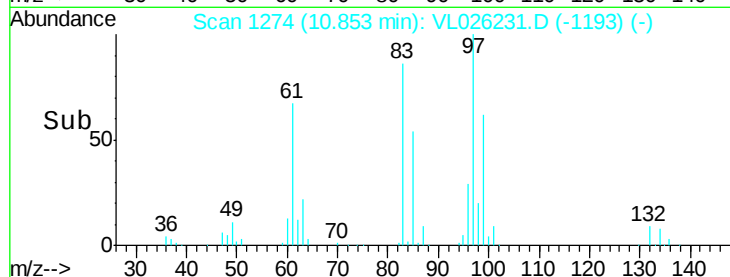
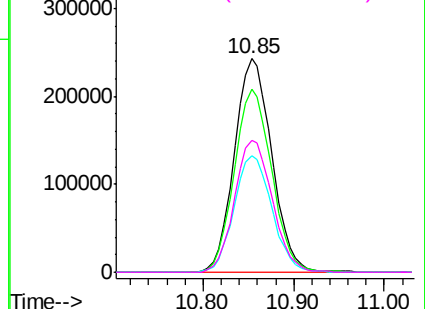


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.08 ppbv

RT: 11.77 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VL026231.D

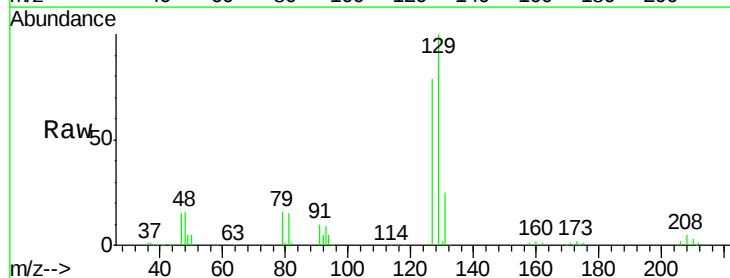
Acq: 21 Oct 2015 7:32

Tgt Ion: 129 Resp: 1158237

Ion Ratio Lower Upper

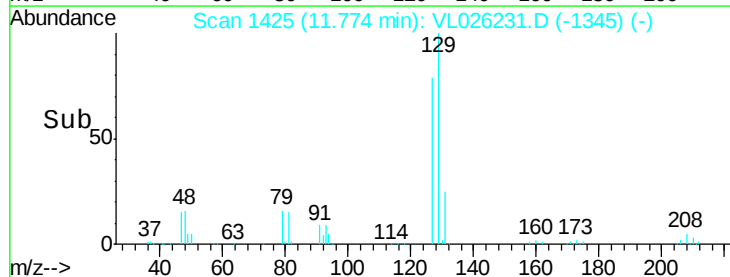
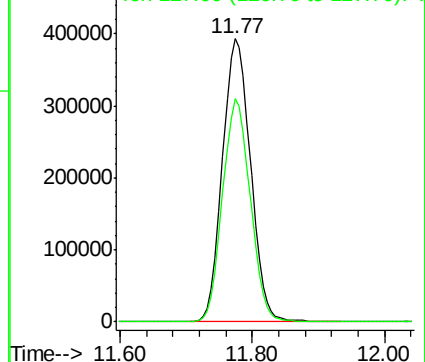
129 100

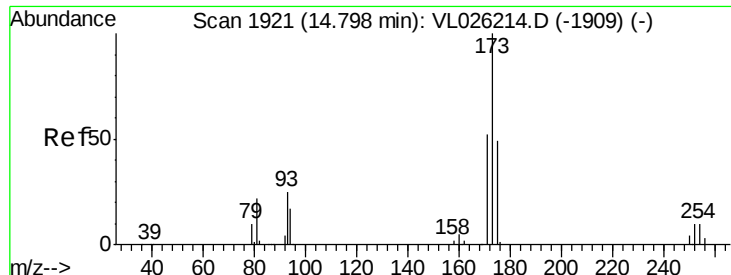
127 78.1 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.95 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

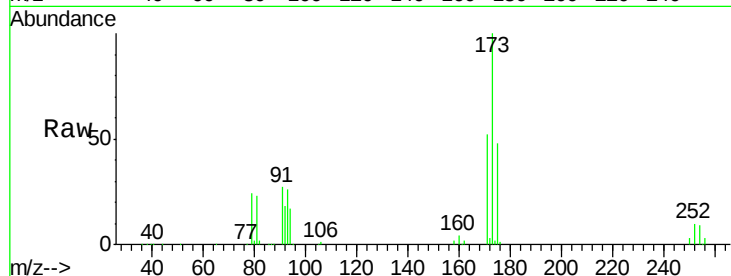
Tot Ion:173 Resp: 966368

Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

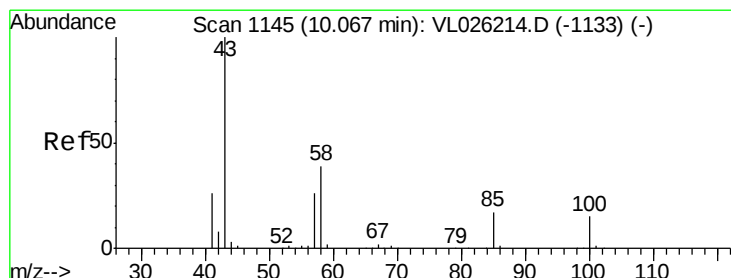
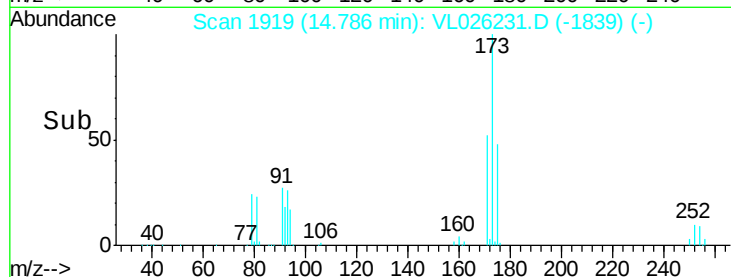
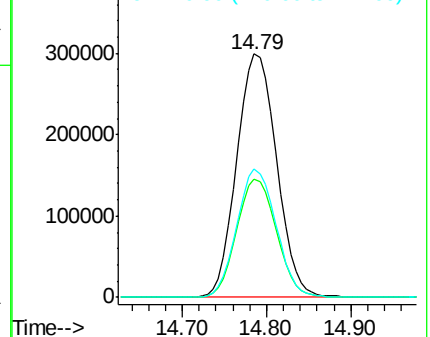
171 51.9 41.6 62.4



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: 10.27 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL026231.D

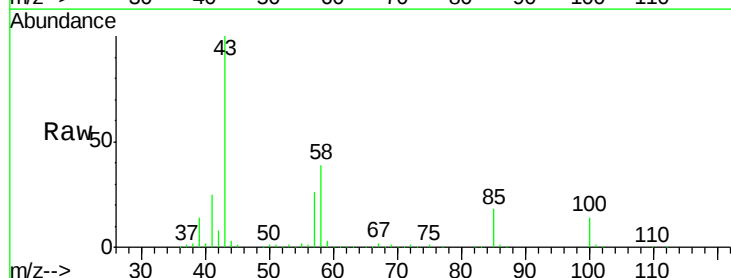
Acq: 21 Oct 2015 7:32

Tgt Ion: 43 Resp: 1227911

Ion Ratio Lower Upper

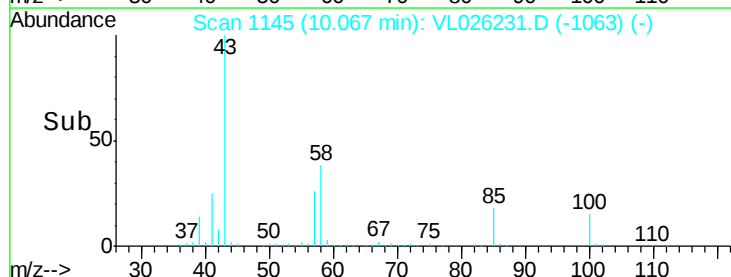
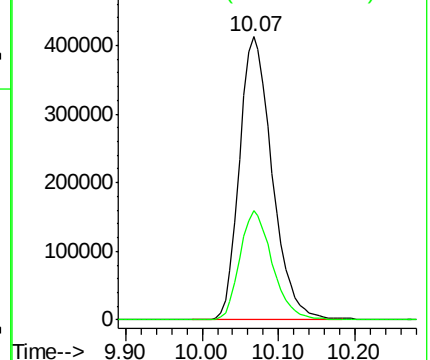
43 100

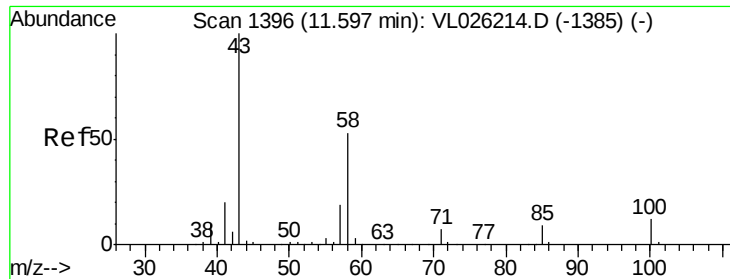
58 38.5 31.1 46.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

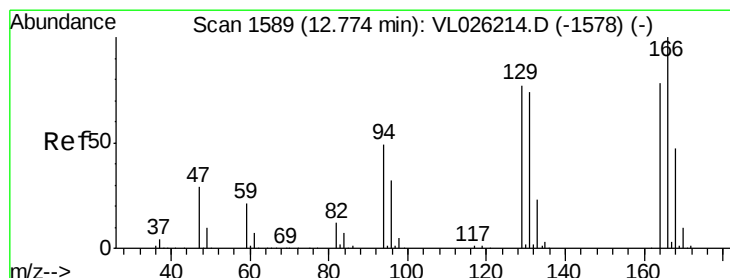
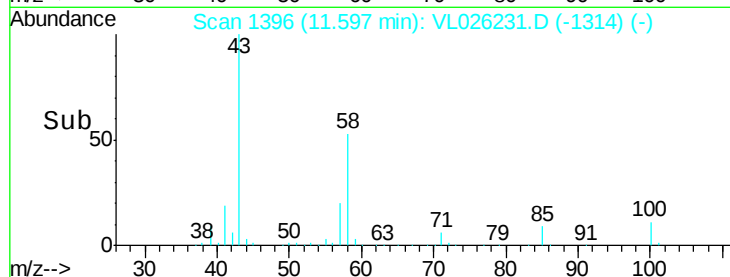
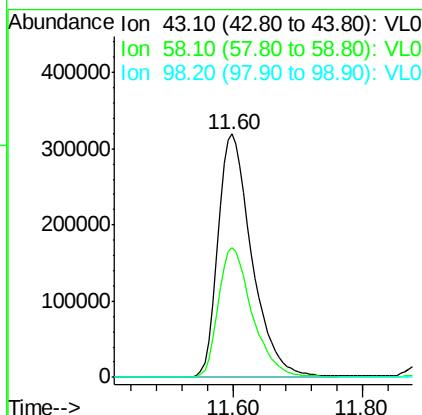
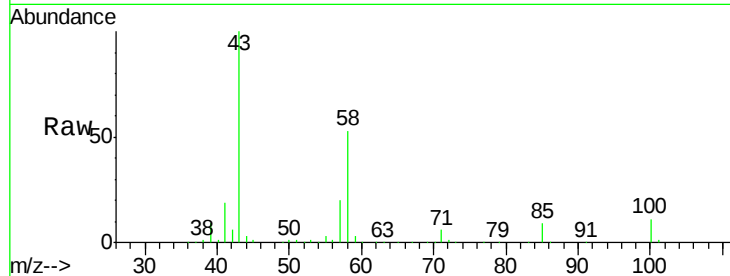




#51
2-Hexanone
Concen: 10.53 ppbv
RT: 11.60 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

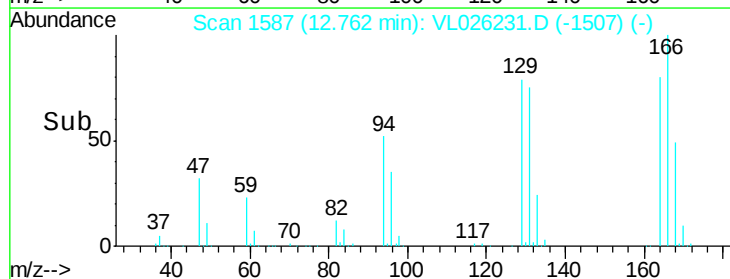
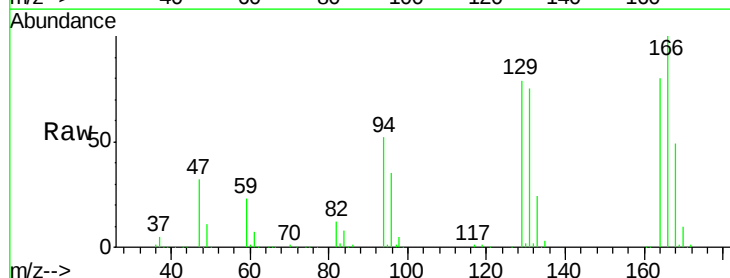
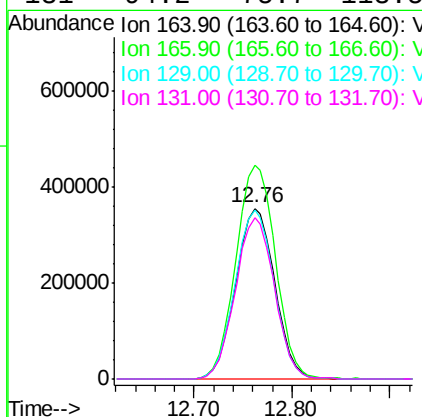
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

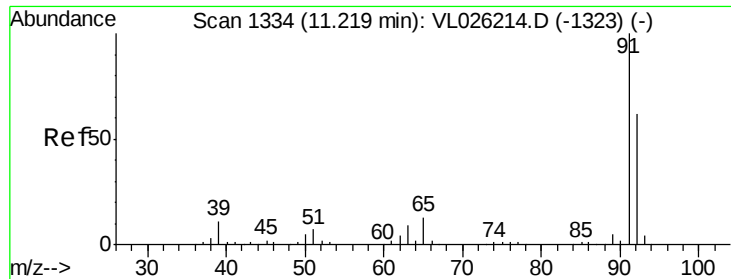
Tot Ion: 43 Resp: 1176300
Ion Ratio Lower Upper
43 100
58 53.8 43.2 64.8
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 10.80 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 164 Resp: 989287
Ion Ratio Lower Upper
164 100
166 125.4 102.3 153.5
129 99.1 78.2 117.4
131 94.2 75.7 113.5





#53

Toluene

Concen: 9.68 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

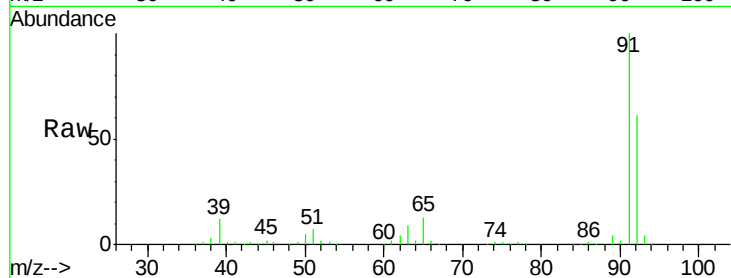
VSTDCCC010

Tot Ion: 91 Resp: 2101737

Ion Ratio Lower Upper

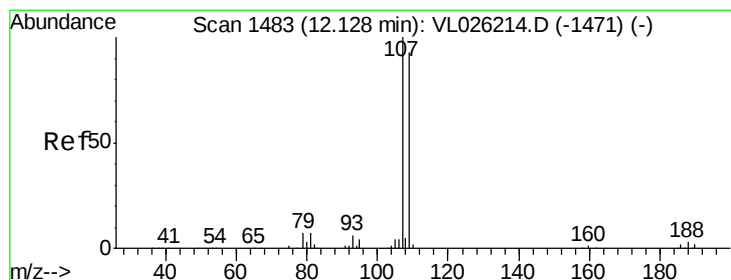
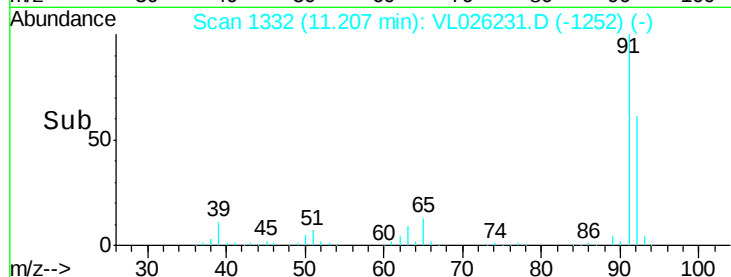
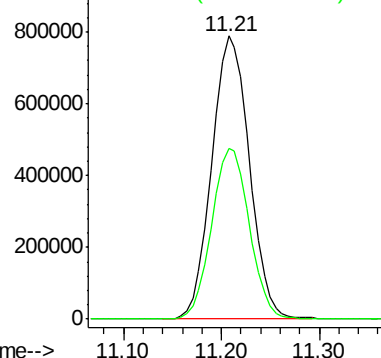
91 100

92 60.9 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: 9.87 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL026231.D

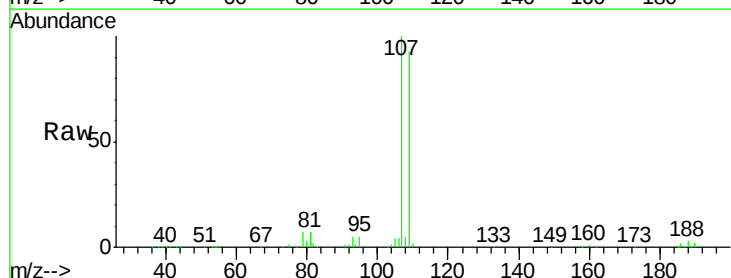
Acq: 21 Oct 2015 7:32

Tgt Ion:107 Resp: 1077063

Ion Ratio Lower Upper

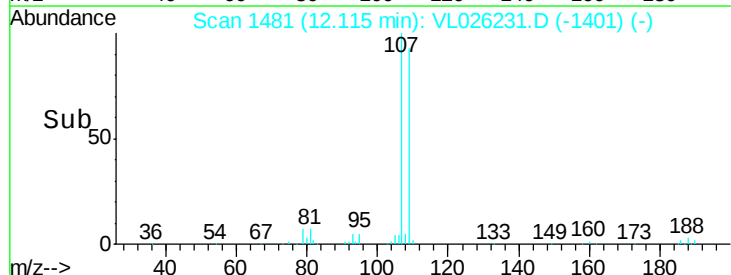
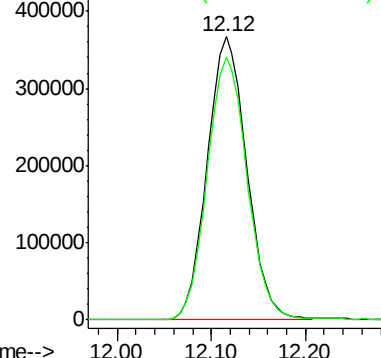
107 100

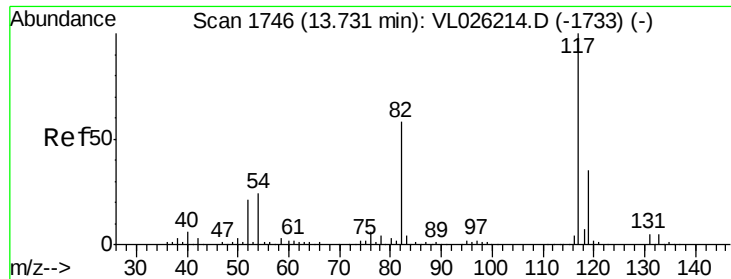
109 92.7 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

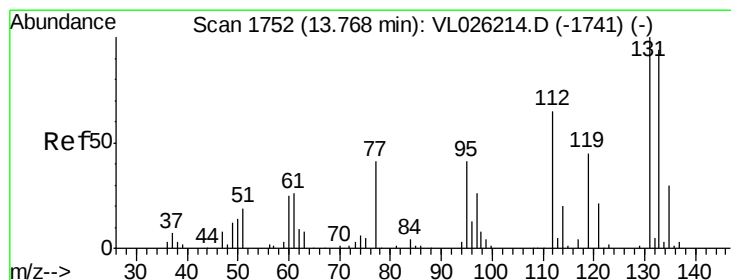
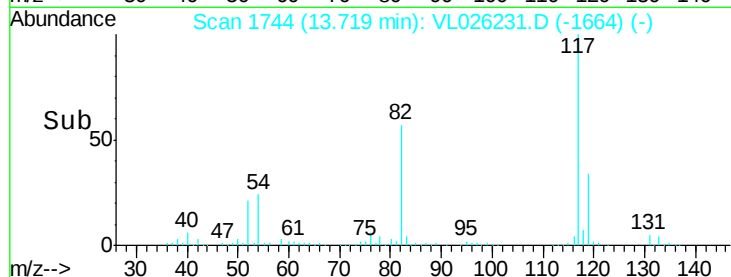
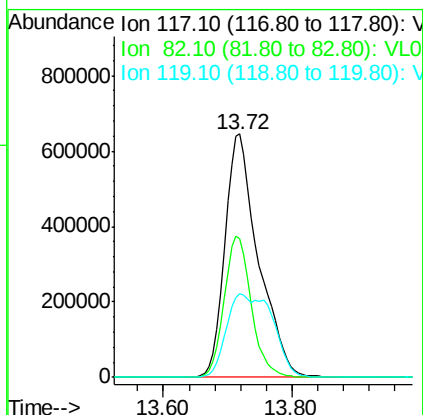
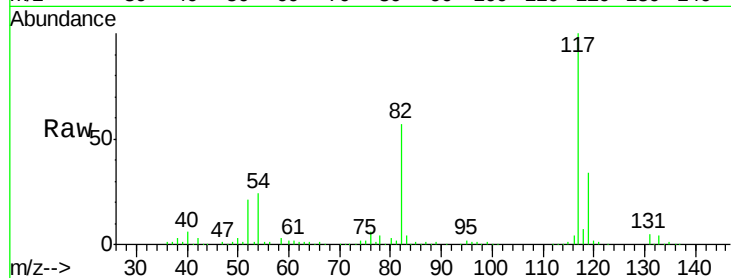




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

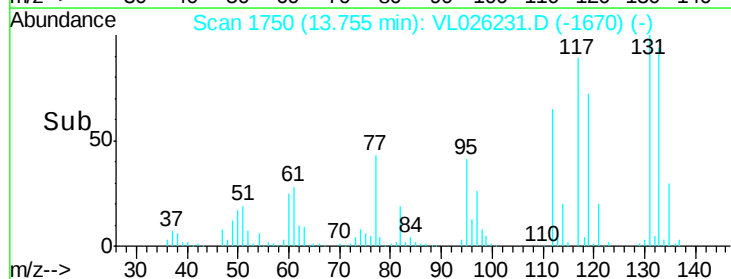
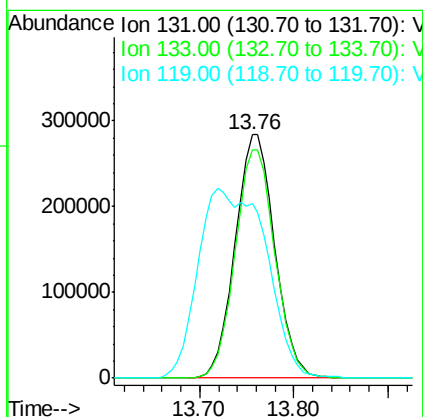
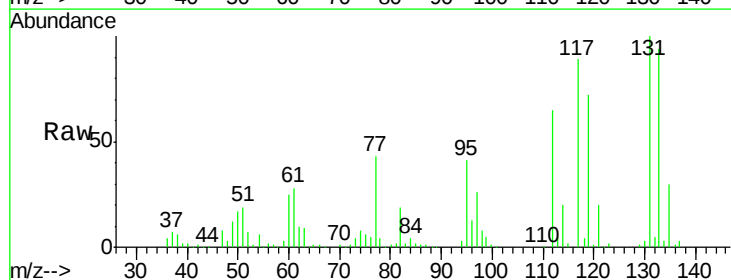
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

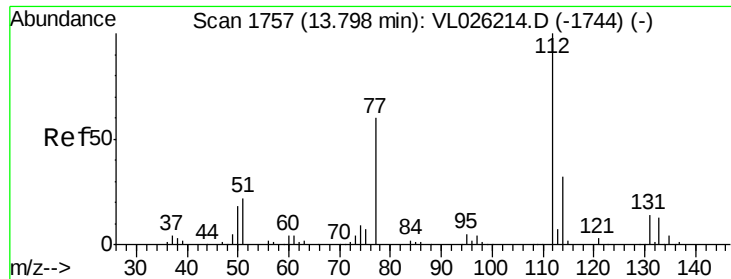
Tot Ion:117 Resp: 2342323
Ion Ratio Lower Upper
117 100
82 47.9 45.8 68.8
119 47.4 45.0 67.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.41 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion:131 Resp: 831999
Ion Ratio Lower Upper
131 100
133 94.8 75.9 113.9
119 133.4 108.0 162.0

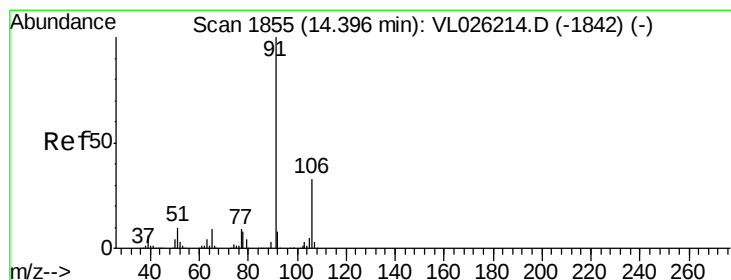
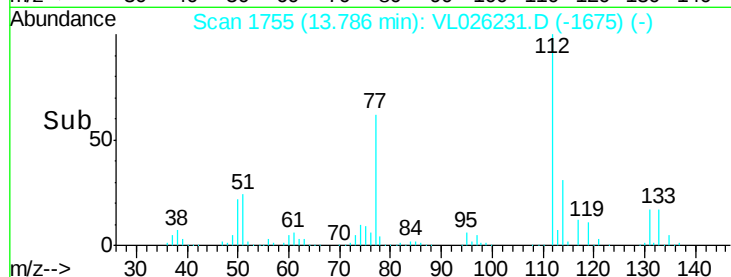
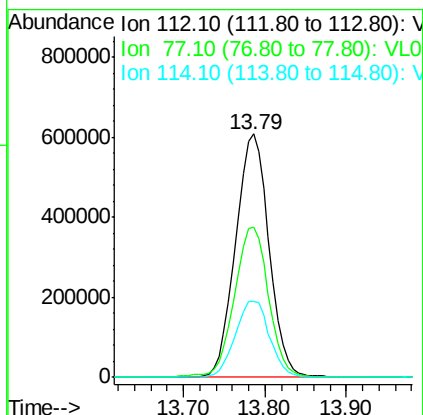
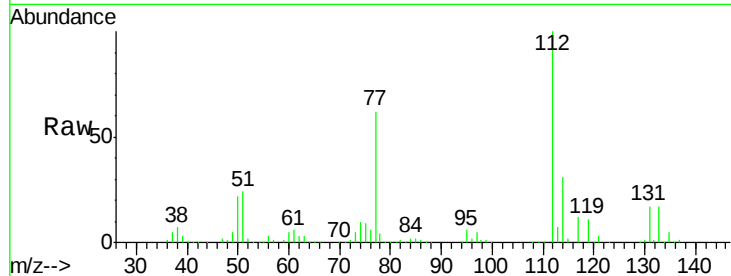




#57
Chlorobenzene
Concen: 7.72 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

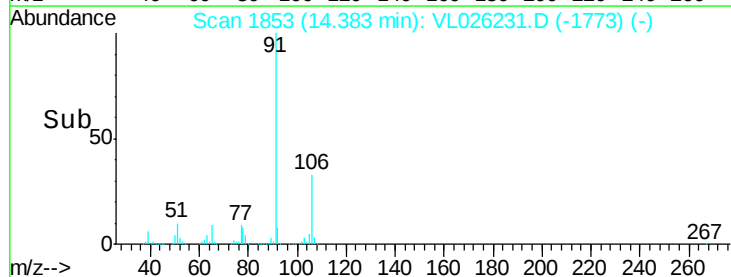
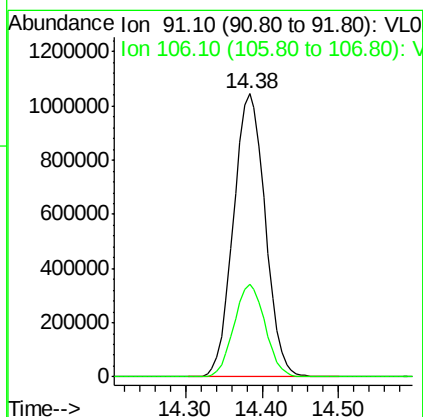
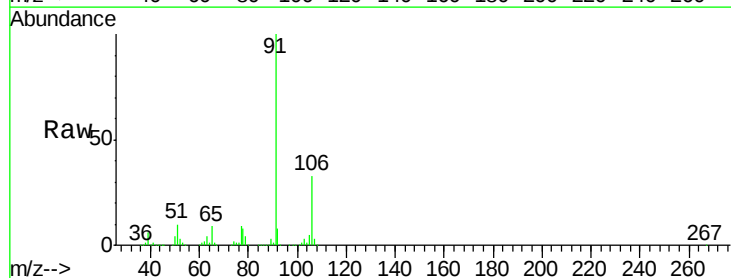
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

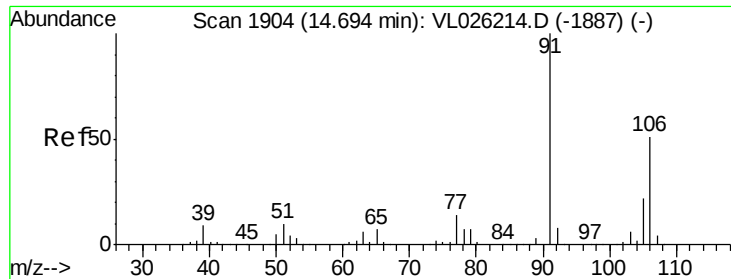
Tot Ion:112 Resp: 1730381
Ion Ratio Lower Upper
112 100
77 61.4 48.4 72.6
114 31.4 29.0 35.4



#58
Ethyl Benzene
Concen: 7.95 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 91 Resp: 3017888
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1

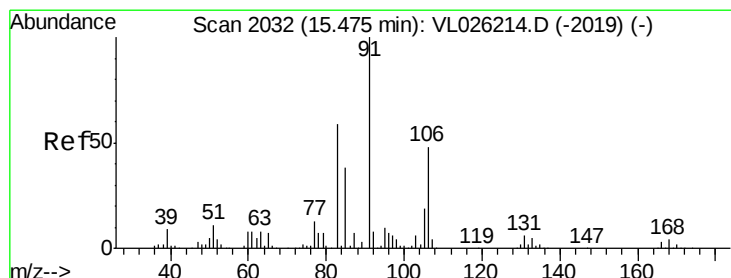
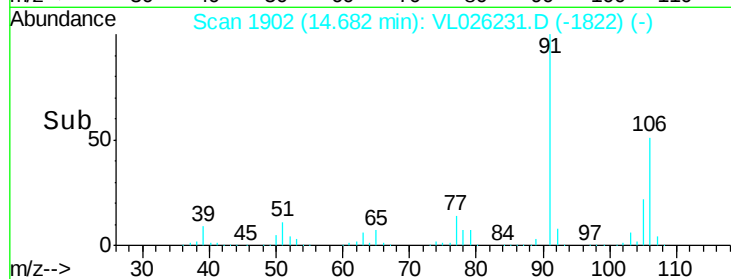
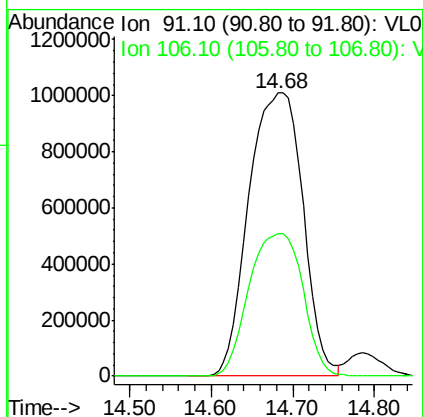
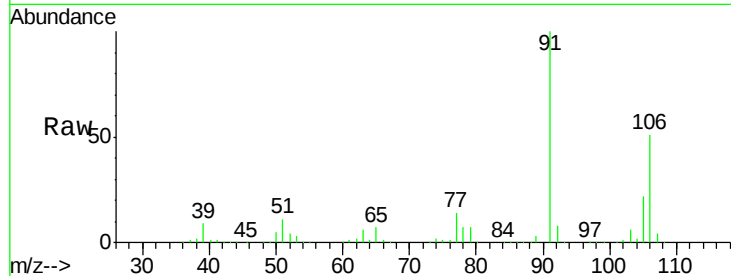




#59
m/p-Xylene
Concen: 15.65 ppbv
RT: 14.68 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

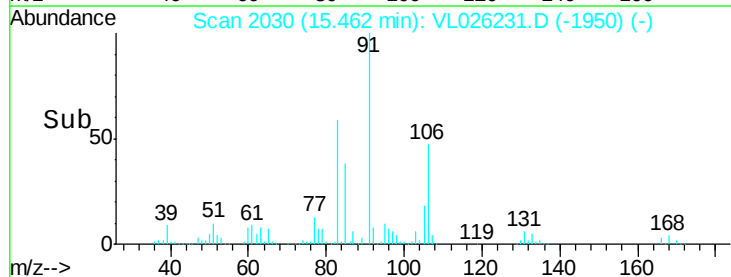
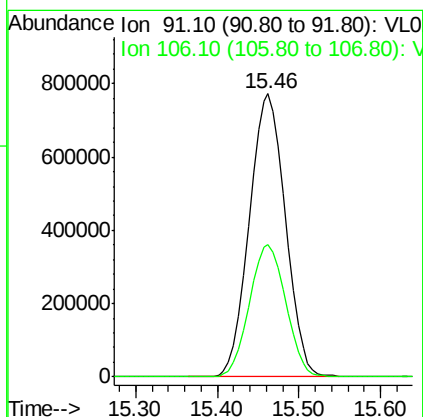
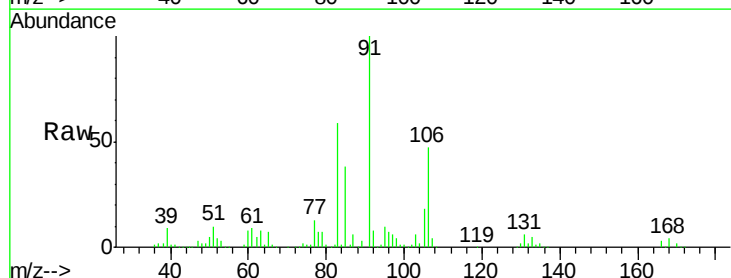
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

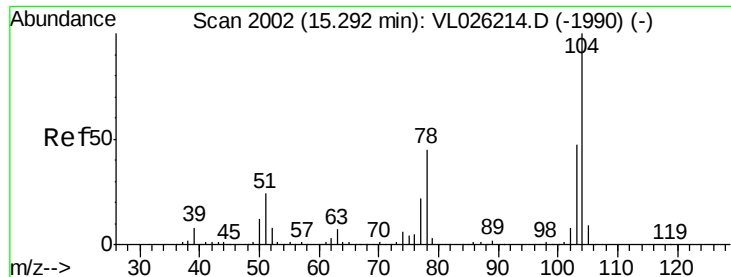
Tot Ion: 91 Resp: 4651876
Ion Ratio Lower Upper
91 100
106 50.4 40.6 61.0



#60
o-Xylene
Concen: 7.67 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

Tgt Ion: 91 Resp: 2382073
Ion Ratio Lower Upper
91 100
106 47.3 23.8 71.5





#61

Stvrene

Concen: 8.54 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

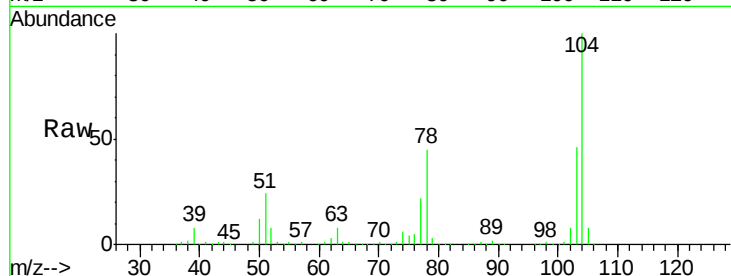
Tot Ion:104 Resp: 1200433

Ion Ratio Lower Upper

104 100

78 44.3 35.3 52.9

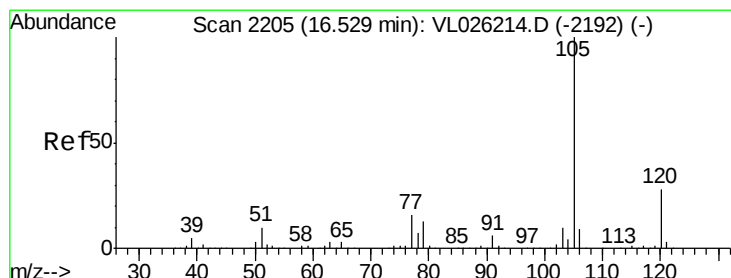
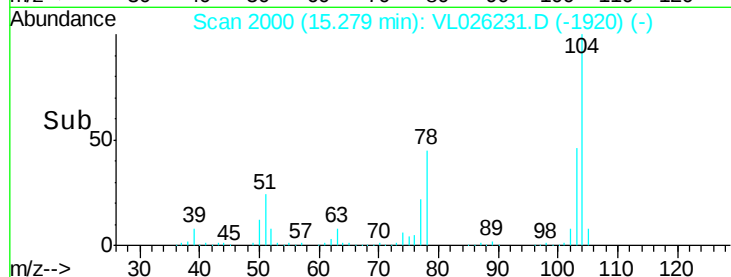
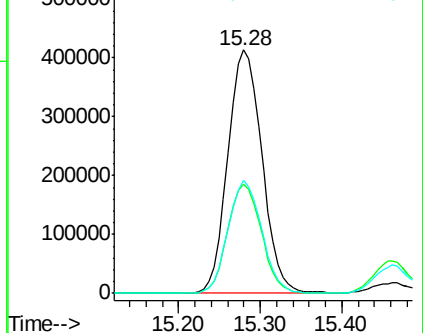
103 45.7 37.0 55.4



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: 7.80 ppbv

RT: 16.51 min Scan# 2202

Delta R.T. -0.02 min

Lab File: VL026231.D

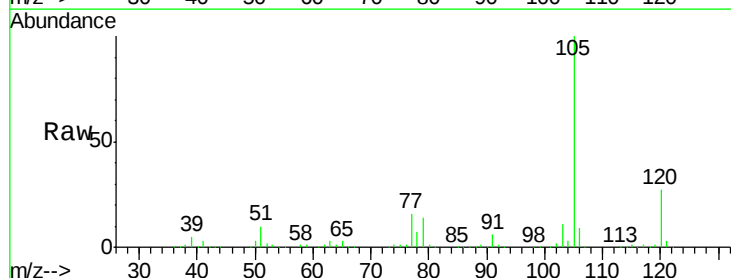
Acq: 21 Oct 2015 7:32

Tgt Ion:105 Resp: 3369484

Ion Ratio Lower Upper

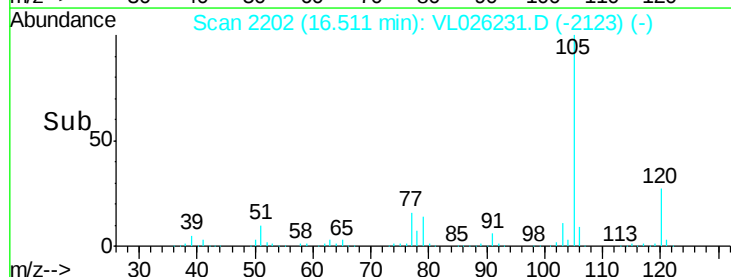
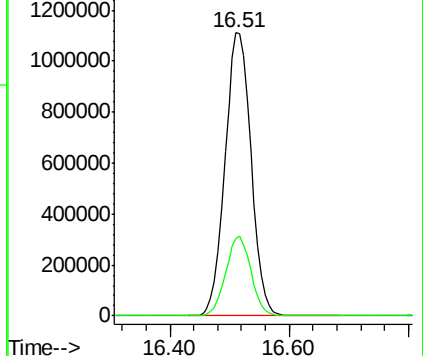
105 100

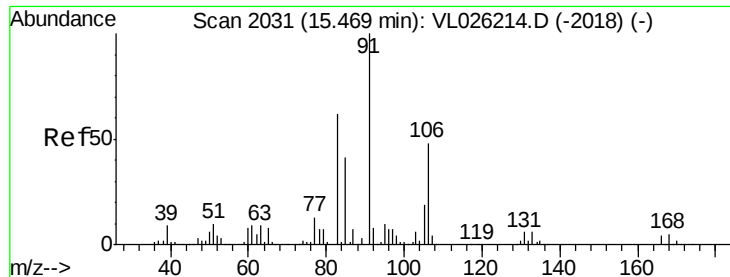
120 27.2 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

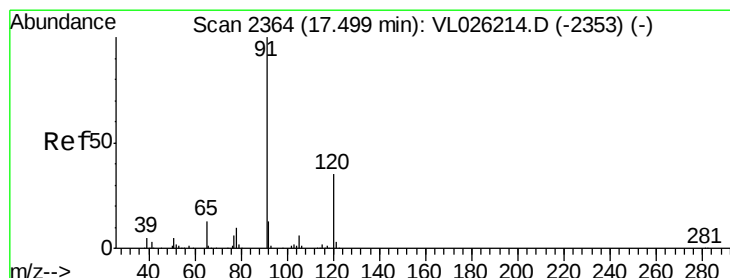
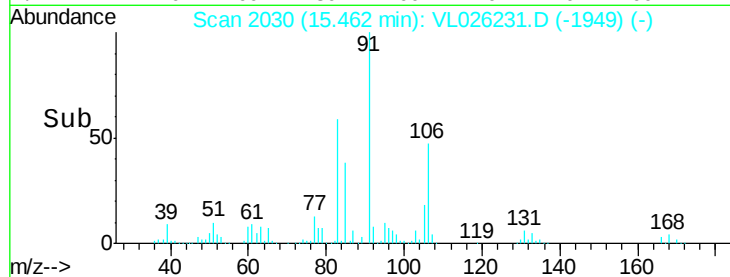
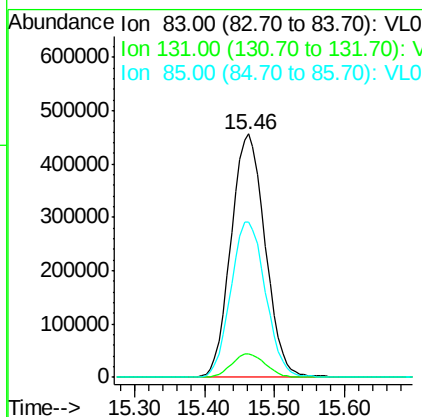
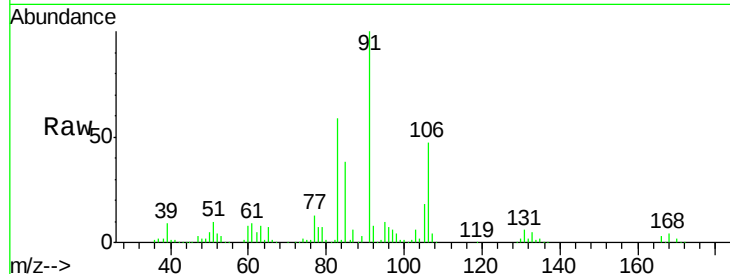




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.55 ppbv
 RT: 15.46 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

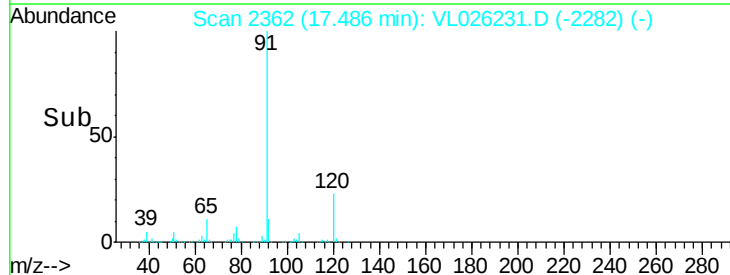
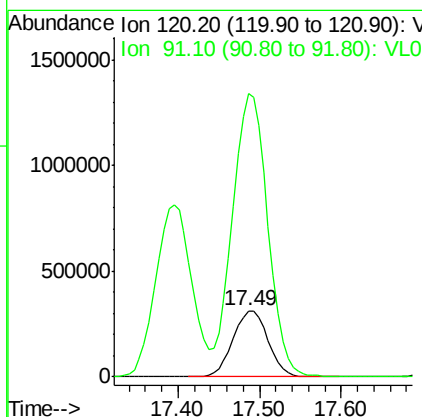
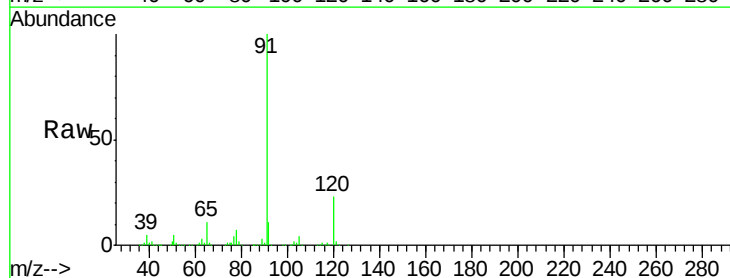
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

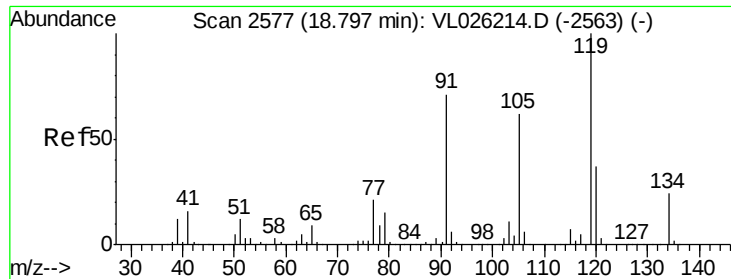
Tot Ion: 83 Resp: 1551291
 Ion Ratio Lower Upper
 83 100
 131 9.5 5.0 14.9
 85 64.9 32.3 96.9



#64
 n-propylbenzene
 Concen: 7.88 ppbv
 RT: 17.49 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

Tgt Ion: 120 Resp: 936079
 Ion Ratio Lower Upper
 120 100
 91 425.8 331.7 497.5

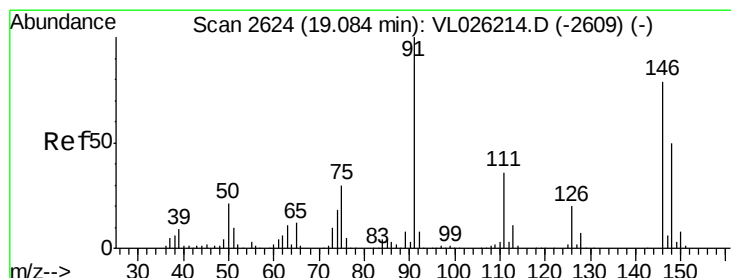
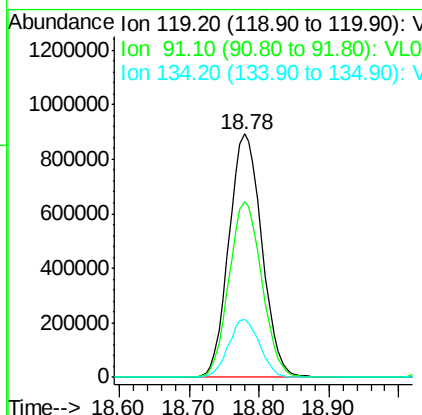
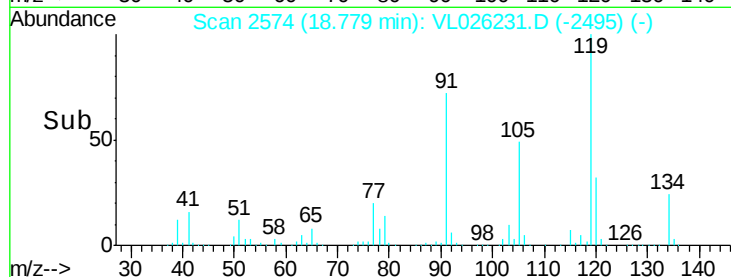
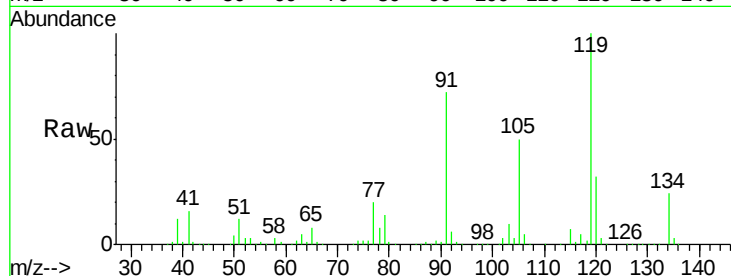




#65
 tert-Butylbenzene
 Concen: 7.39 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.02 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

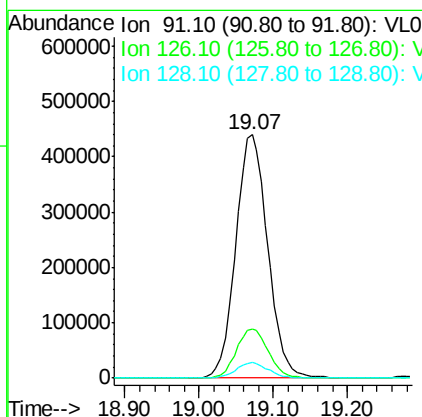
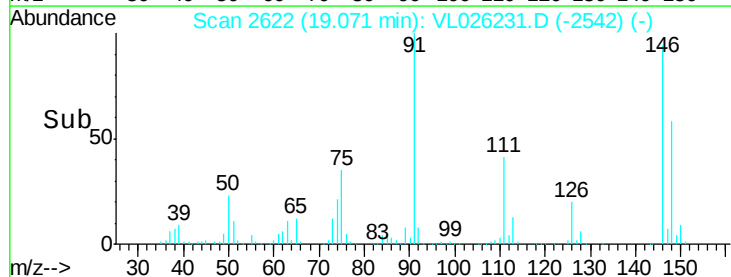
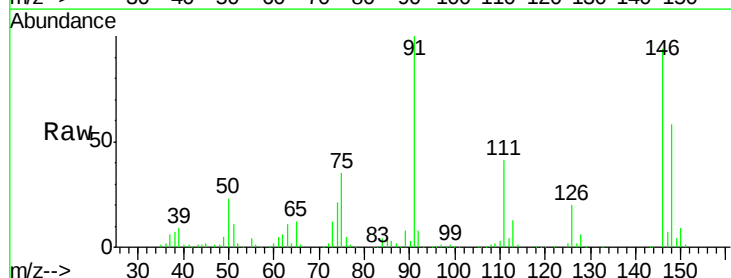
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

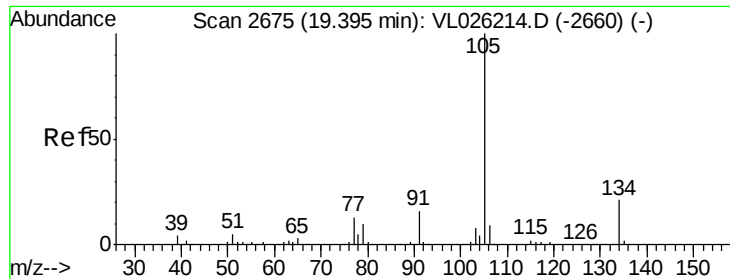
Tot Ion: 119 Resp: 2917705
 Ion Ratio Lower Upper
 119 100
 91 72.1 57.5 86.3
 134 22.6 18.1 27.1



#66
 Benzyl Chloride
 Concen: 8.10 ppbv
 RT: 19.07 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

Tgt Ion: 91 Resp: 1318611
 Ion Ratio Lower Upper
 91 100
 126 20.2 16.2 24.2
 128 6.4 5.1 7.7

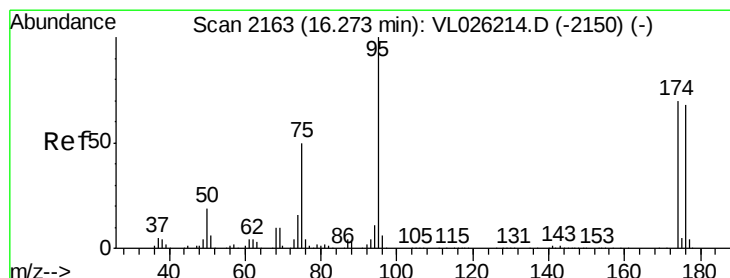
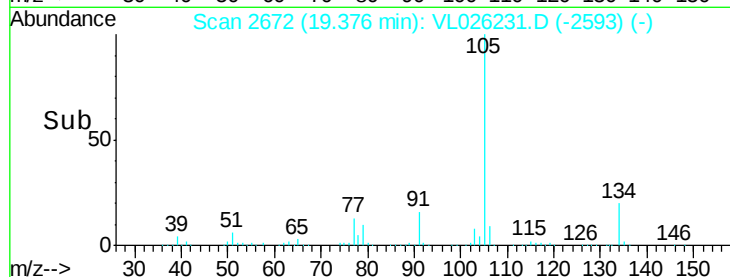
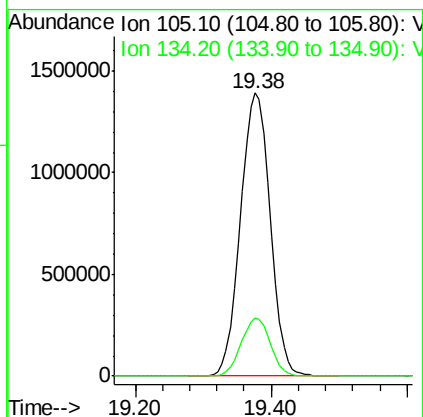
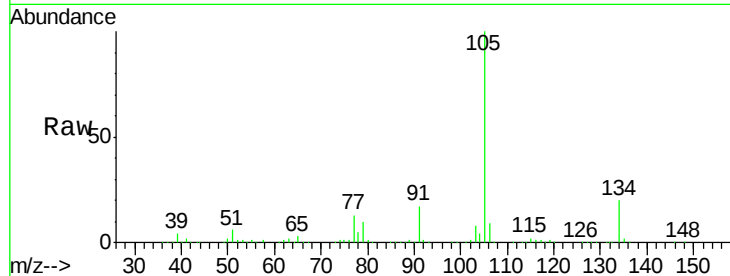




#67
 sec-Butylbenzene
 Concen: 7.69 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.02 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

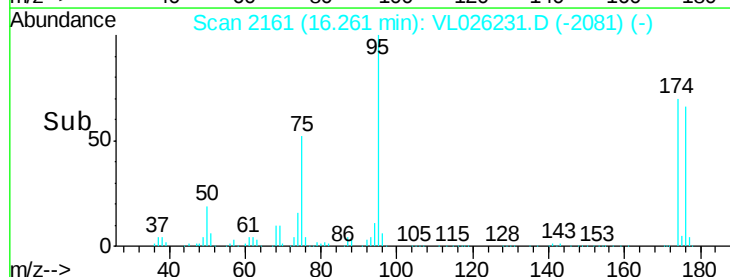
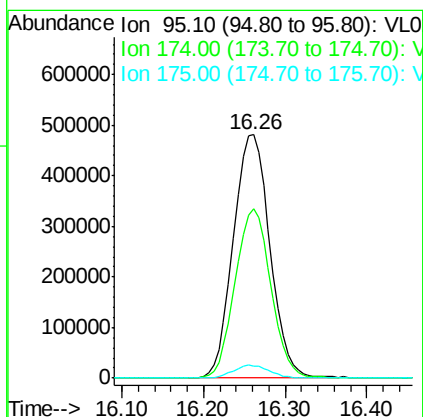
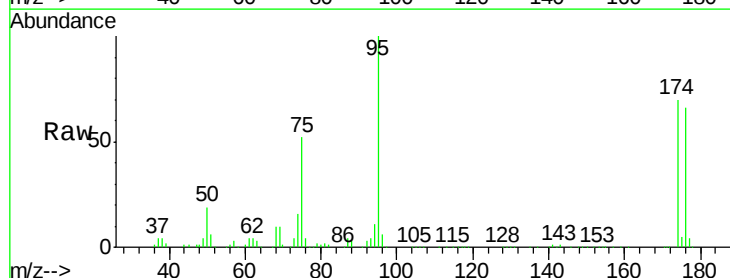
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

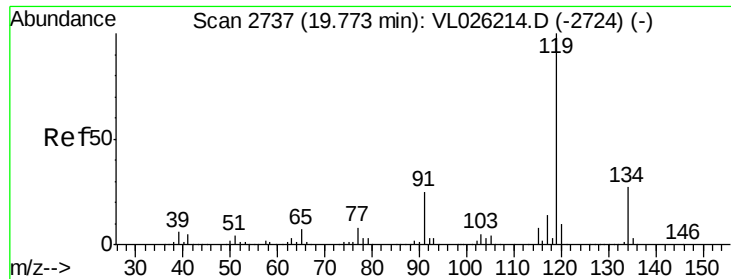
Tot Ion:105 Resp: 4228931
 Ion Ratio Lower Upper
 105 100
 134 20.2 16.2 24.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.32 ppbv
 RT: 16.26 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

Tgt Ion: 95 Resp: 1503076
 Ion Ratio Lower Upper
 95 100
 174 68.2 55.8 83.8
 175 5.2 4.3 6.5





#69

p-Isopropyltoluene

Concen: 7.63 ppbv

RT: 19.75 min Scan# 2734

Delta R.T. -0.02 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

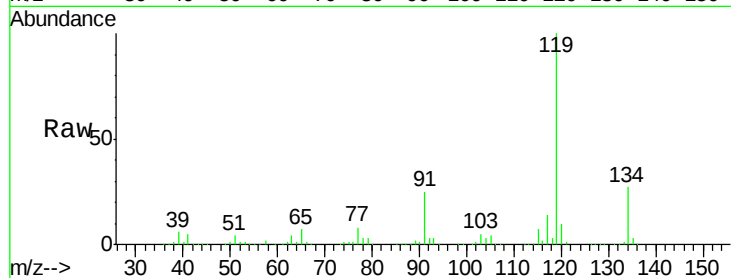
Tot Ion:119 Resp: 3509415

Ion Ratio Lower Upper

119 100

134 26.7 21.4 32.0

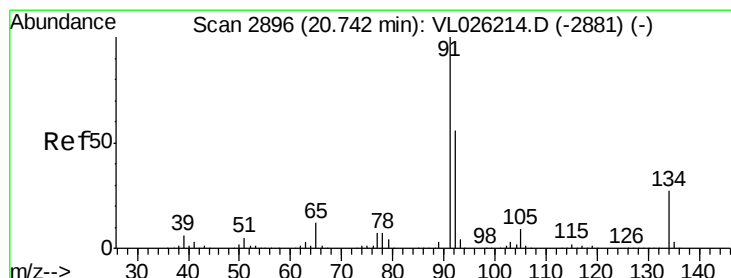
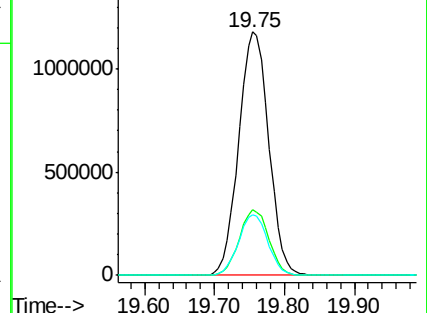
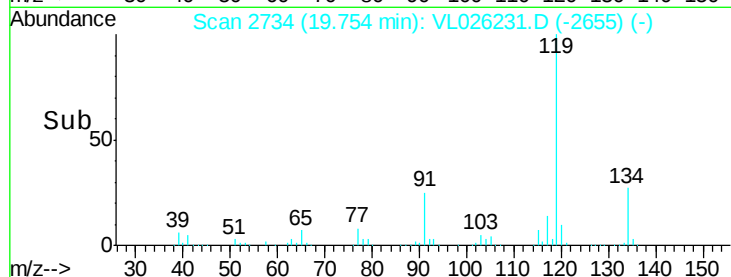
91 24.5 19.5 29.3



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: 7.84 ppbv

RT: 20.72 min Scan# 2893

Delta R.T. -0.02 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

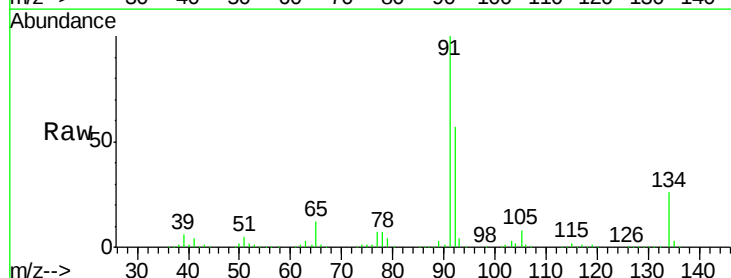
Tgt Ion: 91 Resp: 3294503

Ion Ratio Lower Upper

91 100

92 56.1 45.0 67.6

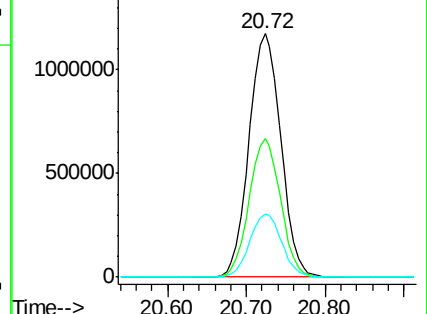
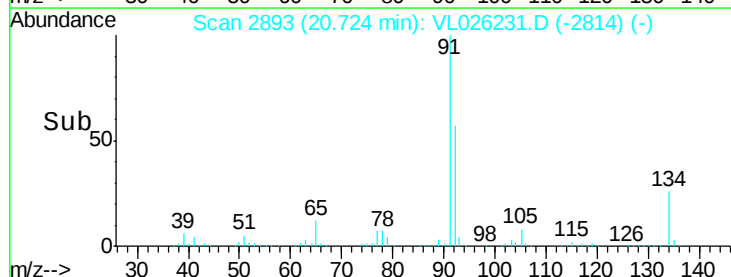
134 26.0 21.4 32.0

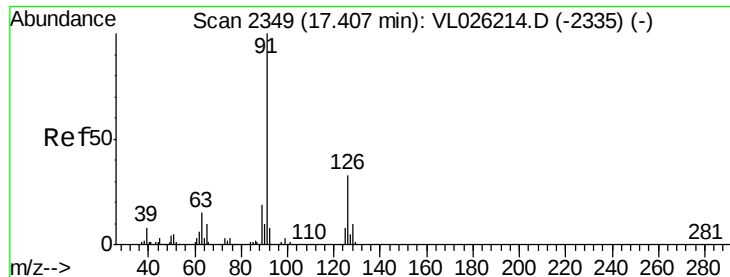


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.85 ppbv

RT: 17.39 min Scan# 2347

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

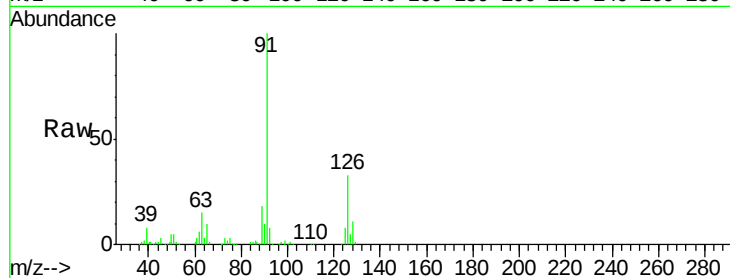
VSTDCCC010

Tot Ion: 91 Resp: 2497388

Ion Ratio Lower Upper

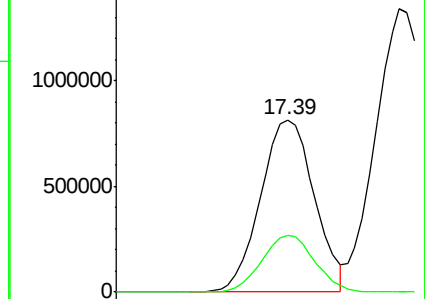
91 100

126 32.6 12.9 51.7

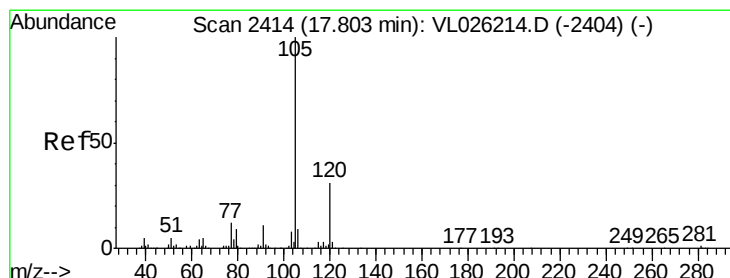
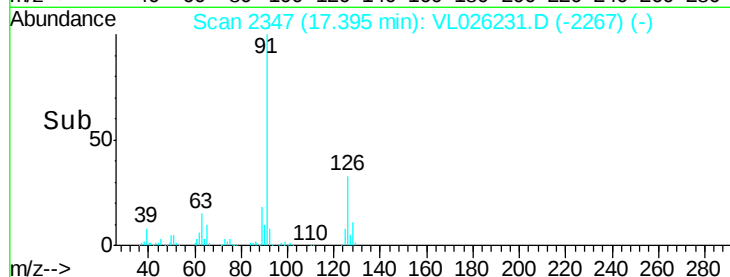


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



Time-->



#72

4-Ethyltoluene

Concen: 7.96 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Tgt Ion:105 Resp: 2876851

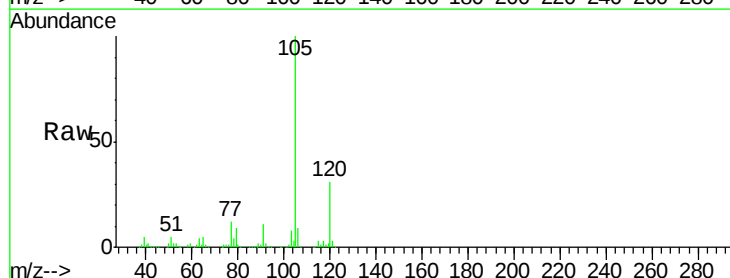
Ion Ratio Lower Upper

105 100

120 31.6 25.2 37.8

91 11.5 9.0 13.6

77 12.3 9.7 14.5

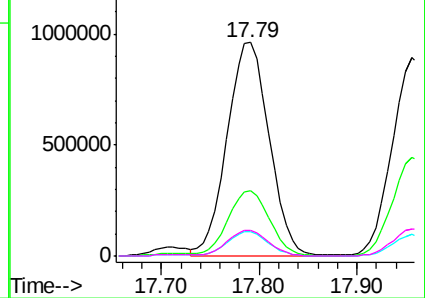


Abundance Ion 105.10 (104.80 to 105.80): V

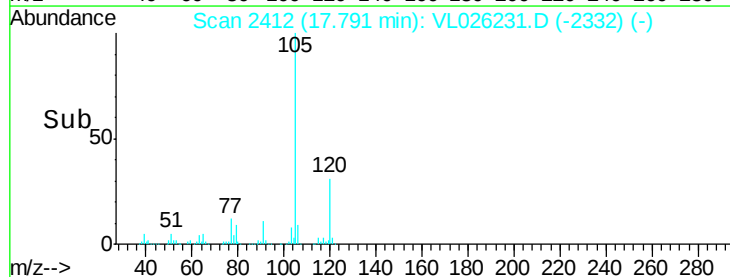
Ion 120.20 (119.90 to 120.90): V

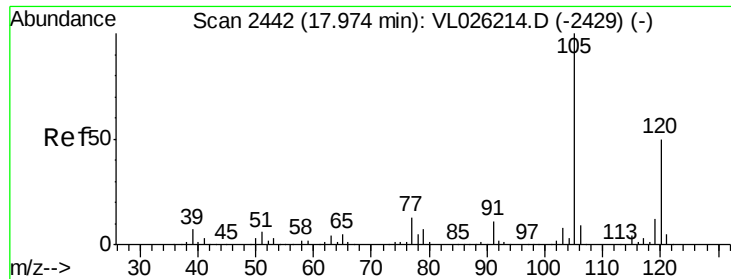
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.89 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. -0.02 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

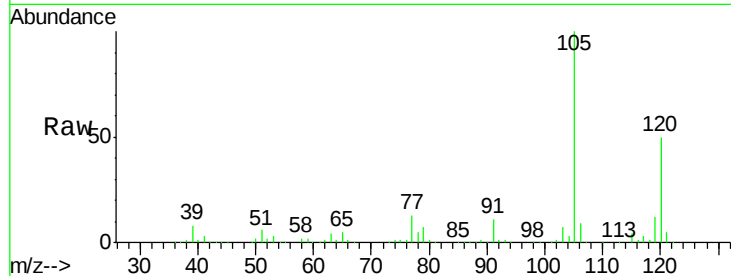
VSTDCCC010

Tot Ion:105 Resp: 2657297

Ion Ratio Lower Upper

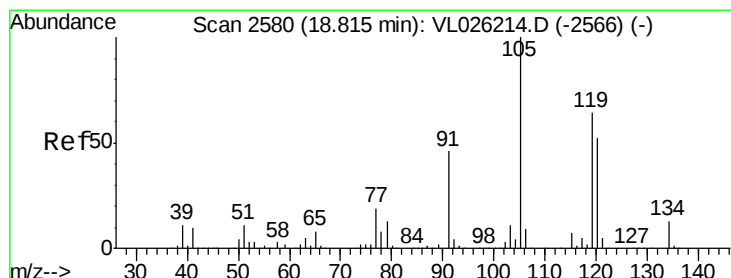
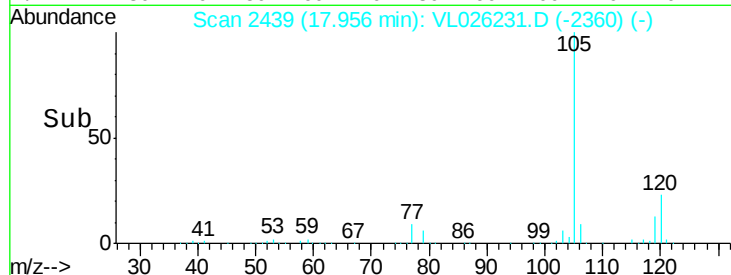
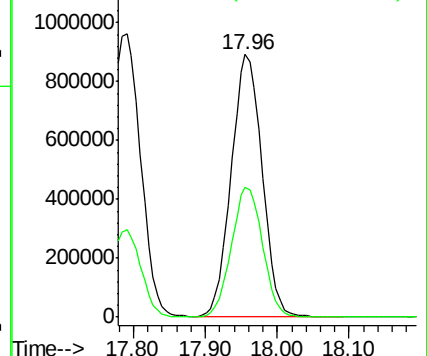
105 100

120 49.5 39.8 59.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.44 ppbv

RT: 18.80 min Scan# 2578

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Tgt Ion:105 Resp: 2598253

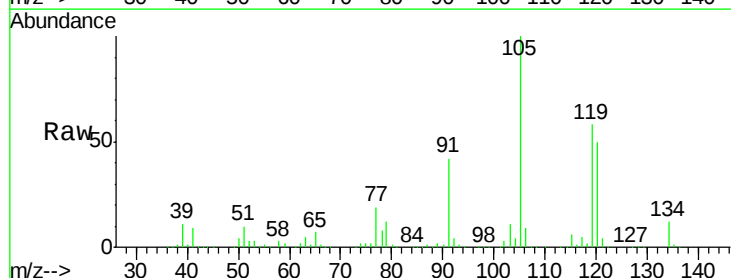
Ion Ratio Lower Upper

105 100

120 50.4 41.2 61.8

91 42.0 37.2 55.8

77 19.0 15.6 23.4

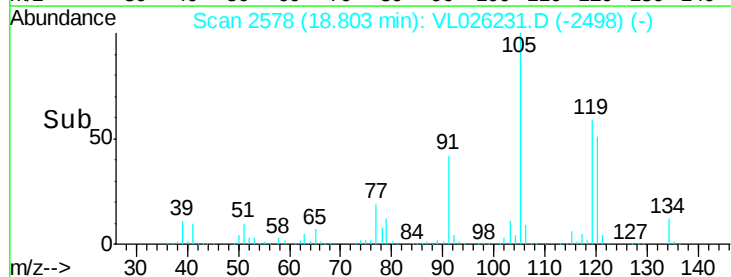
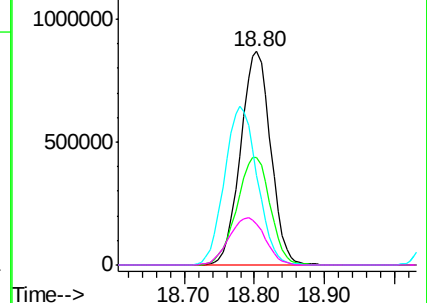


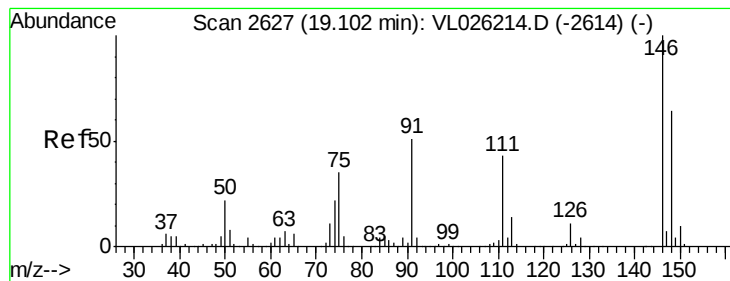
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.59 ppbv

RT: 19.09 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

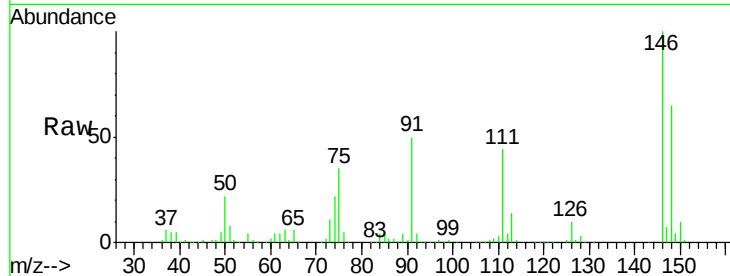
Tot Ion:146 Resp: 1733744

Ion Ratio Lower Upper

146 100

111 43.4 21.6 64.8

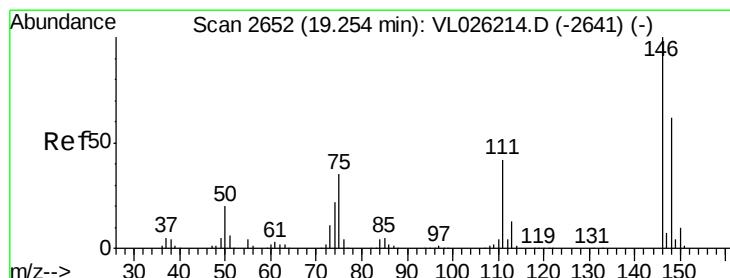
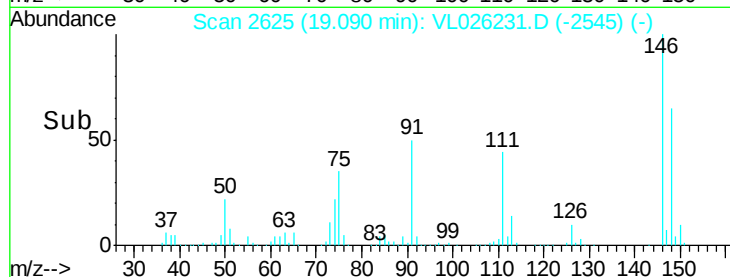
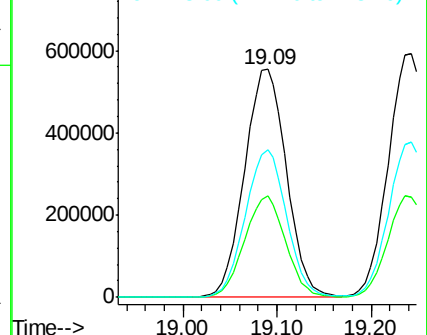
148 63.6 31.8 95.4



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: 7.65 ppbv

RT: 19.24 min Scan# 2650

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

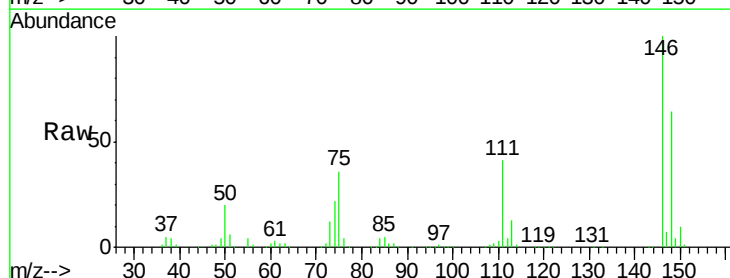
Tgt Ion:146 Resp: 1824998

Ion Ratio Lower Upper

146 100

111 42.0 20.8 62.2

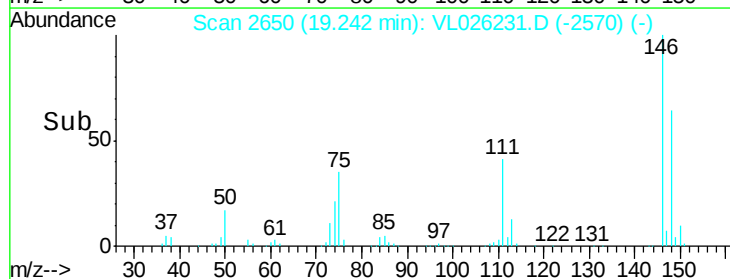
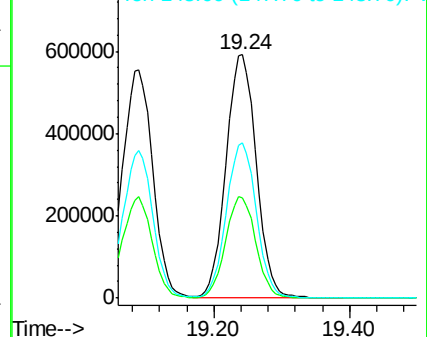
148 63.8 31.9 95.9

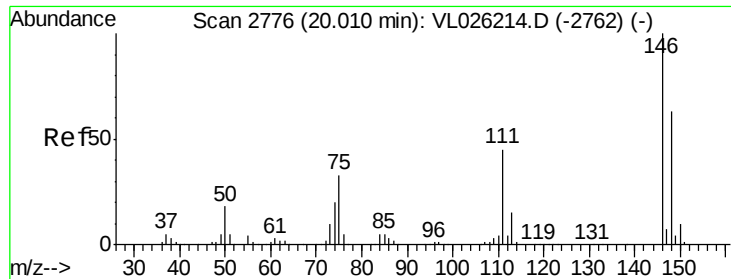


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.66 ppbv

RT: 19.99 min Scan# 2773

Delta R.T. -0.02 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

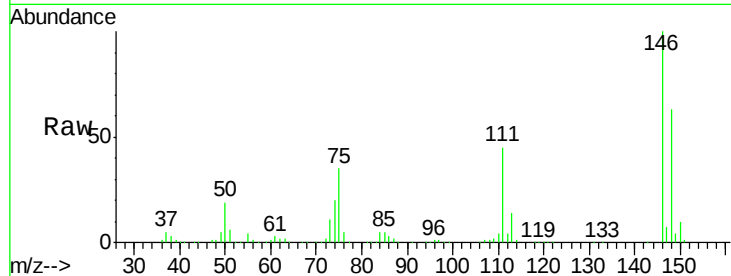
Tot Ion:146 Resp: 1763553

Ion Ratio Lower Upper

146 100

111 45.3 22.6 67.7

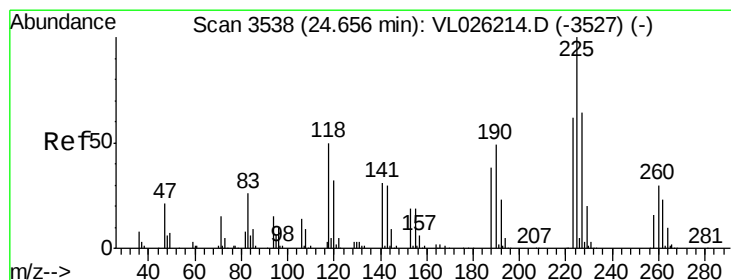
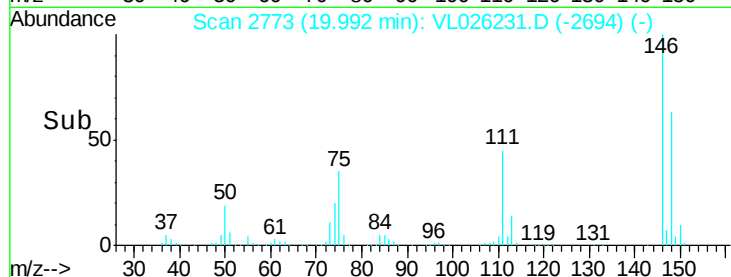
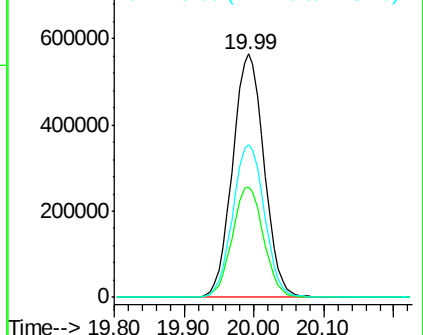
148 63.6 31.6 95.0



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: 6.11 ppbv

RT: 24.64 min Scan# 3536

Delta R.T. -0.01 min

Lab File: VL026231.D

Acq: 21 Oct 2015 7:32

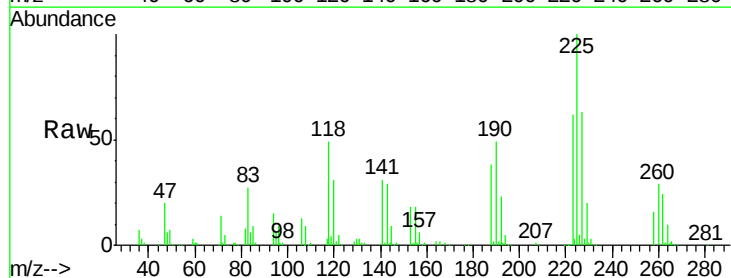
Tgt Ion:225 Resp: 720946

Ion Ratio Lower Upper

225 100

223 63.5 50.2 75.2

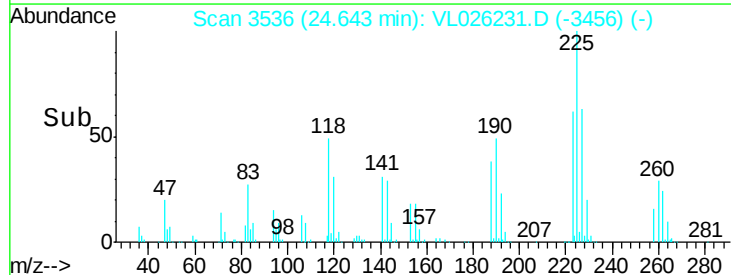
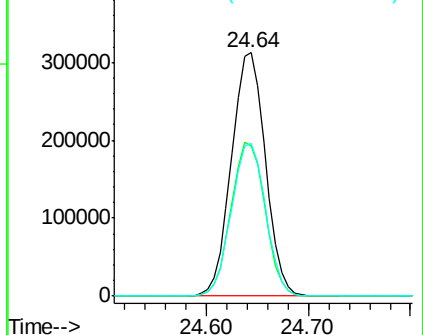
227 63.4 50.8 76.2

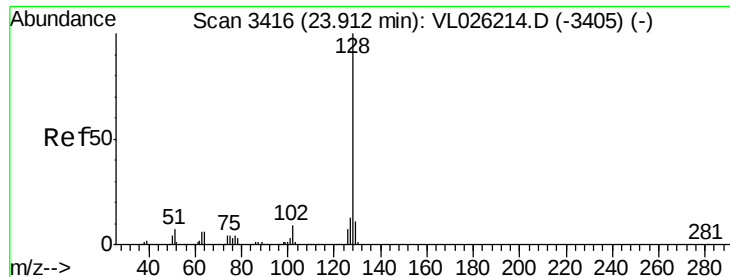


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



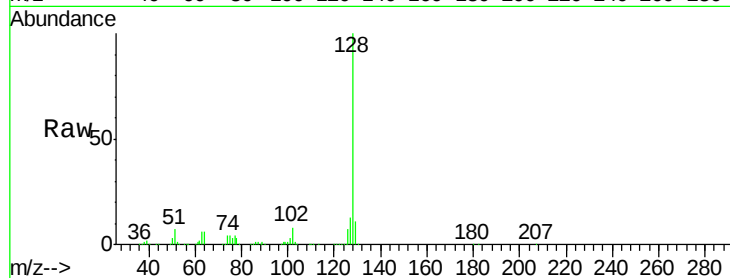


#79
Naphthalene
Concen: 7.24 ppbv
RT: 23.90 min Scan# 3414
Delta R.T. -0.01 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

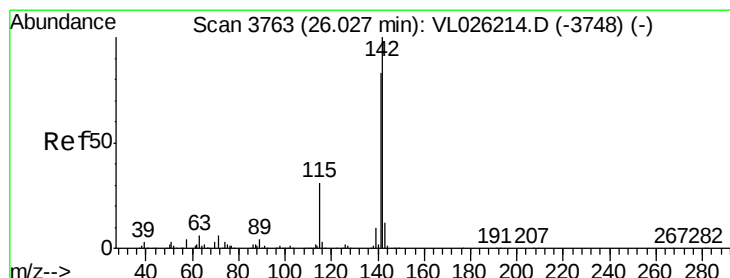
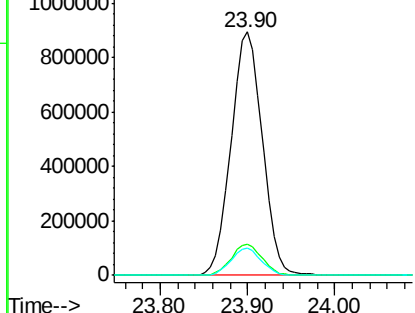
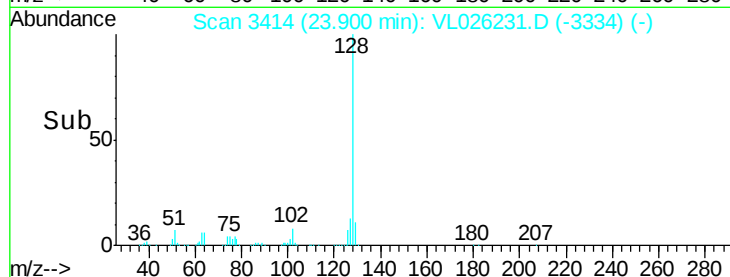
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 2228062

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.3	8.8	13.2



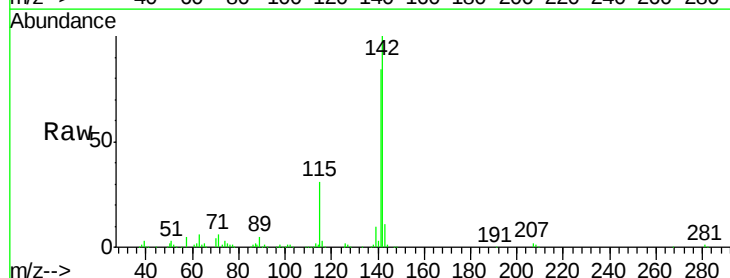
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



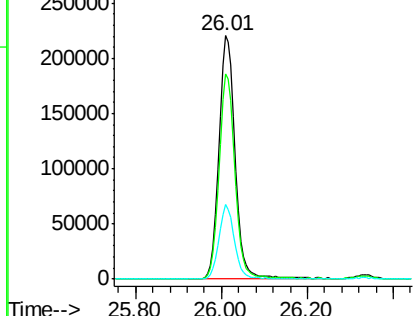
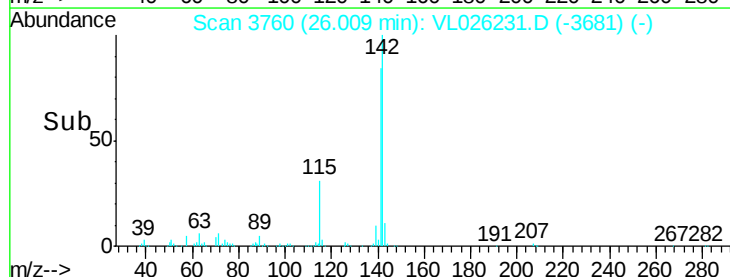
#80
Naphthalene, 2-methyl-
Concen: 10.72 ppbv
RT: 26.01 min Scan# 3760
Delta R.T. -0.02 min
Lab File: VL026231.D
Acq: 21 Oct 2015 7:32

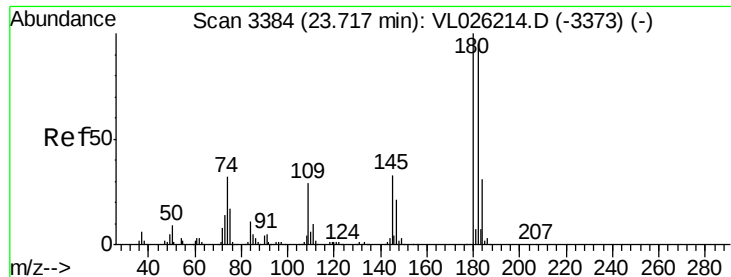
Tgt Ion:142 Resp: 592337

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.5	99.7
115	30.0	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

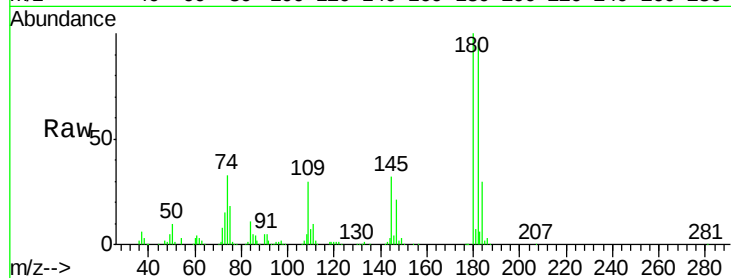




#81
 1,2,4-Trichlorobenzene
 Concen: 6.83 ppbv
 RT: 23.70 min Scan# 3381
 Delta R.T. -0.02 min
 Lab File: VL026231.D
 Acq: 21 Oct 2015 7:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1011494
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 184 30.3 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

