

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026181.D
 Acq On : 9 Oct 2015 18:11
 Operator : SY/MD
 Sample : VL1009ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 10 00:12:51 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	868537	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.35	114	2521133	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.77	117	3543809	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.32	95	2288583	8.41	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.65	85	1569484	9.64	ppbv	98
3) Chlorodifluoromethane	3.58	51	836348	8.24	ppbv	99
4) Chloromethane	3.76	50	520676	9.10	ppbv	99
5) Vinyl Chloride	3.90	62	534817	9.27	ppbv	99
6) Bromomethane	4.15	94	404085	9.73	ppbv	96
7) Chloroethane	4.25	64	229737	9.17	ppbv	97
8) Dichlorotetrafluoroethane	3.82	85	1280786	9.01	ppbv	100
9) Propene	3.60	41	419937	9.02	ppbv	99
10) Heptane	9.38	43	1516505	9.37	ppbv	100
11) Trichlorofluoromethane	4.71	101	1496520	9.36	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.32	101	983710	9.09	ppbv	99
13) Ethanol	4.34	45	67703	9.88	ppbv	93
14) Bromoethene	4.46	108	417558	9.36	ppbv	99
15) Acetone	4.62	43	885892	7.89	ppbv	100
16) 1,3-Butadiene	3.98	39	470831	9.07	ppbv	100
17) tert-Butyl alcohol	5.14	59	654091	9.67	ppbv	99
18) 1,1-Dichloroethene	5.10	96	452570	9.24	ppbv	99
19) Isopropyl Alcohol	4.76	45	417795	9.55	ppbv #	98
20) Methylene Chloride	5.17	84	420121	8.79	ppbv	98
21) Allyl Chloride	5.24	41	685396	9.35	ppbv	100
22) trans-1,2-Dichloroethene	5.78	96	580582	9.25	ppbv	99
23) Vinyl Acetate	6.00	43	1844301	9.28	ppbv	99
24) 1,1-Dichloroethane	5.93	63	1241339	9.16	ppbv	99
25) Ethyl Acetate	6.69	43	1964209	9.05	ppbv	100
26) Hexane	6.68	57	958240	9.11	ppbv	99
27) Carbon Disulfide	5.40	76	1262642	10.02	ppbv	99
28) Methyl tert-Butyl Ether	5.97	73	1597744	9.43	ppbv	99
29) Chloroform	6.77	83	1463982	9.39	ppbv	99
30) Cyclohexane	8.31	84	967976	9.66	ppbv	100
31) cis-1,2-Dichloroethene	6.54	61	913352	9.53	ppbv	100
32) 1,1,1-Trichloroethane	7.62	97	1470382	9.88	ppbv	100
34) 2-Butanone	6.22	43	1245960	8.88	ppbv	100
35) Carbon Tetrachloride	8.18	117	1528425	9.57	ppbv	100
36) Benzene	8.05	78	2189553	9.08	ppbv	99
37) 1,2-Dichloroethane	7.40	62	1173123	9.08	ppbv	99
38) Trichloroethene	9.09	130	874667	7.90	ppbv	99
39) 1,2-Dichloropropane	8.85	63	806537	9.00	ppbv	98
40) 1,4-Dioxane	9.15	88	190803	12.94	ppbv #	1
41) Tetrahydrofuran	7.14	42	757158	9.58	ppbv	99
42) Bromodichloromethane	9.05	83	1613046	9.49	ppbv	100
43) Methyl Methacrylate	9.29	69	849024	10.00	ppbv	99

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 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

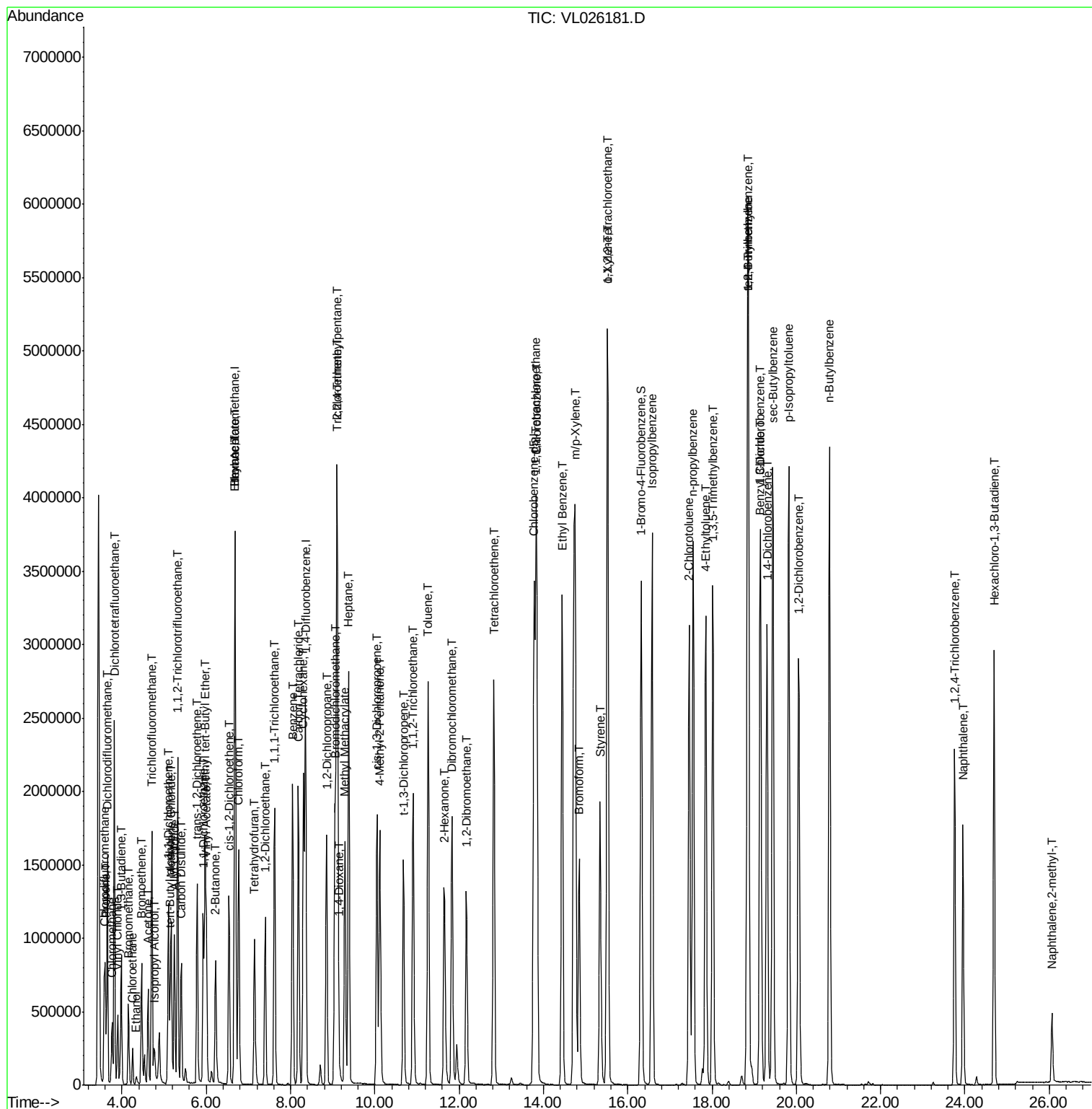
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.11	57	3536851	8.82	ppbv	99
45) t-1,3-Dichloropropene	10.68	75	1220762	10.44	ppbv	97
46) cis-1,3-Dichloropropene	10.05	75	1439402	10.03	ppbv	100
47) 1,1,2-Trichloroethane	10.91	97	957807	8.91	ppbv	99
48) Dibromochloromethane	11.83	129	1484072	9.74	ppbv	99
49) Bromoform	14.85	173	1174719	10.24	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	1790738	9.65	ppbv	100
51) 2-Hexanone	11.65	43	1689770	10.13	ppbv #	99
52) Tetrachloroethene	12.82	164	928359	7.79	ppbv	98
53) Toluene	11.26	91	2858493	9.20	ppbv	100
54) 1,2-Dibromoethane	12.17	107	1461612	9.07	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.82	131	1089857	7.67	ppbv	98
57) Chlorobenzene	13.84	112	2314700	7.24	ppbv	100
58) Ethyl Benzene	14.44	91	4016156	7.80	ppbv	99
59) m/p-Xylene	14.75	91	2968673	7.19	ppbv #	20
60) o-Xylene	15.52	91	3159571	7.30	ppbv	99
61) Styrene	15.34	104	1516433	8.56	ppbv	100
62) Isopropylbenzene	16.58	105	4362169	7.64	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.52	83	2104680	6.54	ppbv	100
64) n-propylbenzene	17.55	120	1191882	7.76	ppbv	99
65) tert-Butylbenzene	18.85	119	3746306	7.44	ppbv	100
66) Benzyl Chloride	19.13	91	1374190	9.19	ppbv	99
67) sec-Butylbenzene	19.44	105	5365038	7.64	ppbv	100
69) p-Isopropyltoluene	19.82	119	4407676	7.85	ppbv	100
70) n-Butylbenzene	20.78	91	4232242	7.86	ppbv	100
71) 2-Chlorotoluene	17.46	91	3286434	7.89	ppbv	98
72) 4-Ethyltoluene	17.85	105	3670636	7.95	ppbv	100
73) 1,3,5-Trimethylbenzene	18.02	105	3379813	7.79	ppbv	98
74) 1,2,4-Trimethylbenzene	18.86	105	3360664	7.38	ppbv	96
75) 1,3-Dichlorobenzene	19.15	146	2168971	7.45	ppbv	100
76) 1,4-Dichlorobenzene	19.30	146	2226803	7.58	ppbv	100
77) 1,2-Dichlorobenzene	20.06	146	2144404	7.53	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	703461	6.16	ppbv	99
79) Naphthalene	23.95	128	2072870	7.26	ppbv	100
80) Naphthalene, 2-methyl-	26.06	142	374620	5.84	ppbv	99
81) 1,2,4-Trichlorobenzene	23.76	180	984541	6.95	ppbv	99

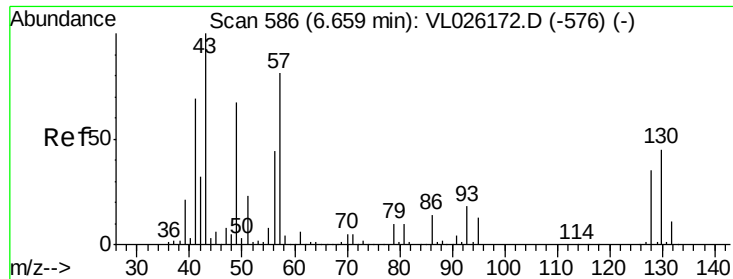
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 588

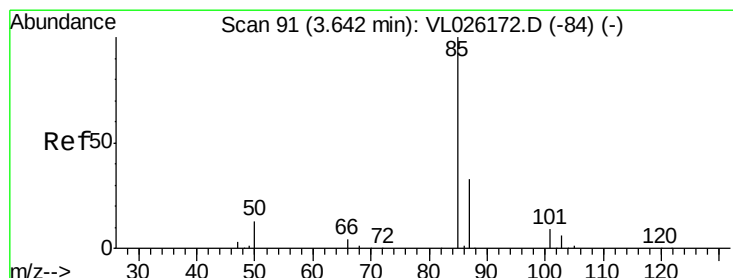
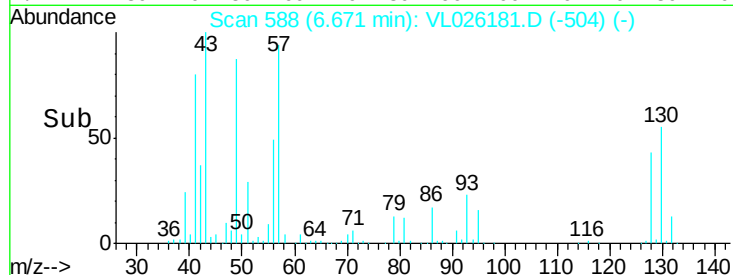
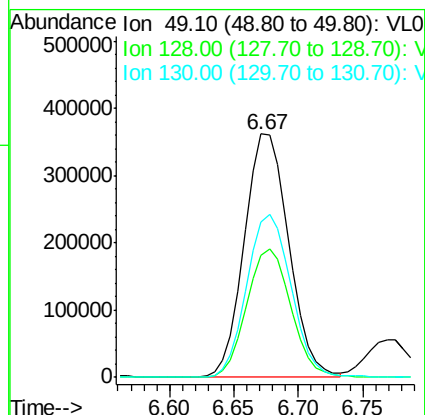
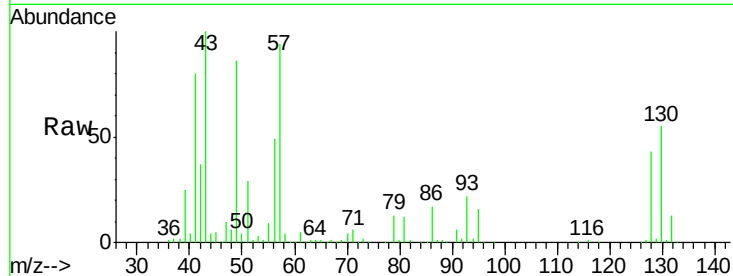
Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 868537
Ion Ratio Lower Upper
49 100
128 52.9 26.3 78.8
130 67.5 34.2 102.5



#2

Dichlorodifluoromethane

Concen: 9.64 ppbv

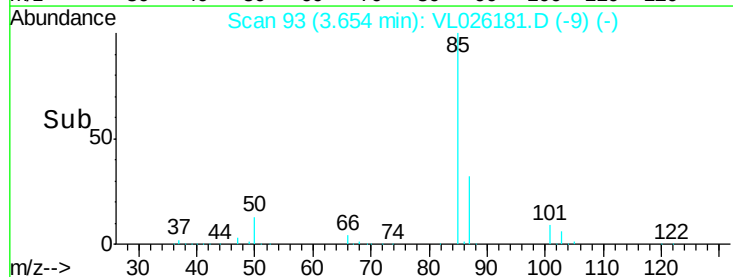
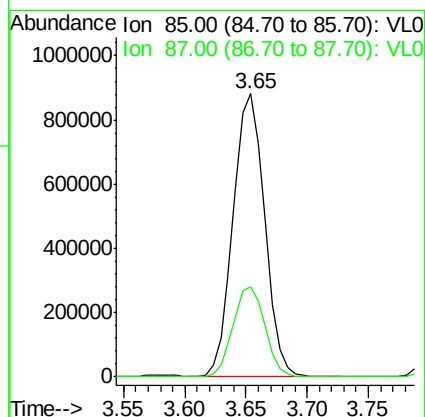
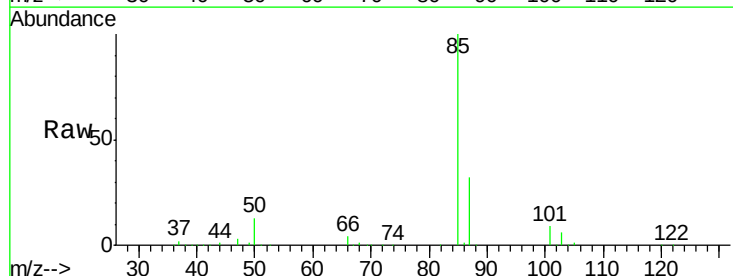
RT: 3.65 min Scan# 93

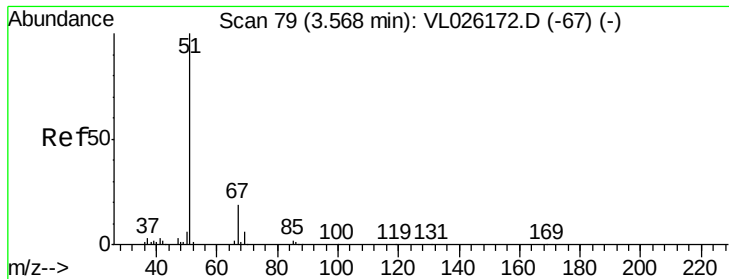
Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Tgt Ion: 85 Resp: 1569484
Ion Ratio Lower Upper
85 100
87 31.9 26.2 39.4





#3

Chlorodifluoromethane

Concen: 8.24 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

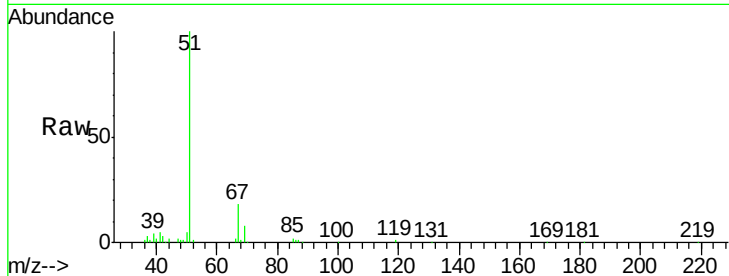
ClientSampleId :

Tot Ion: 51 Resp: 836348

Ion Ratio Lower Upper

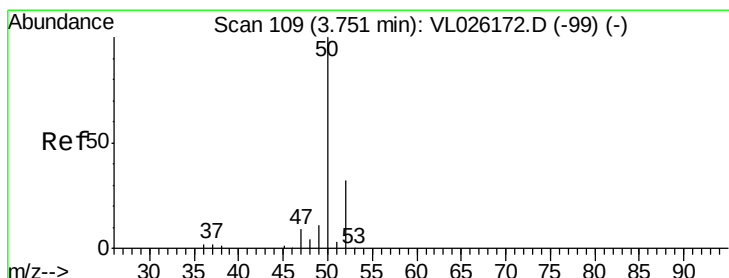
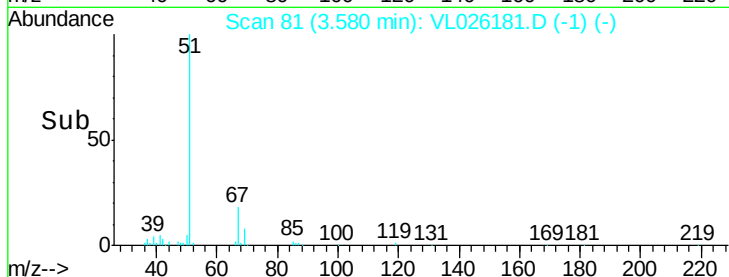
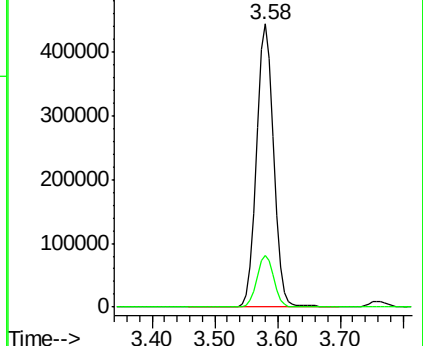
51 100

67 18.3 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.10 ppbv

RT: 3.76 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL026181.D

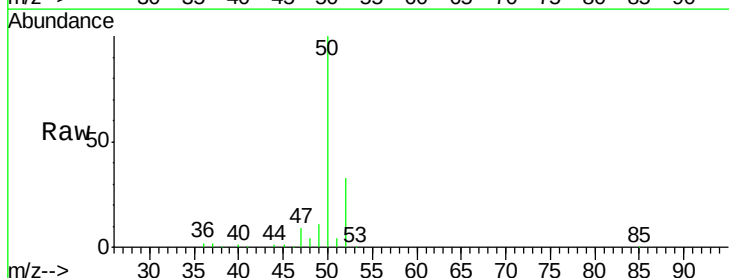
Acq: 9 Oct 2015 18:11

Tgt Ion: 50 Resp: 520676

Ion Ratio Lower Upper

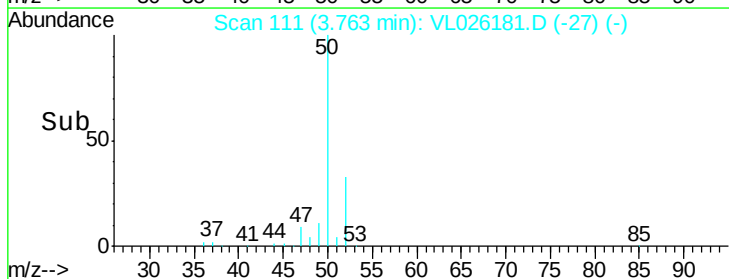
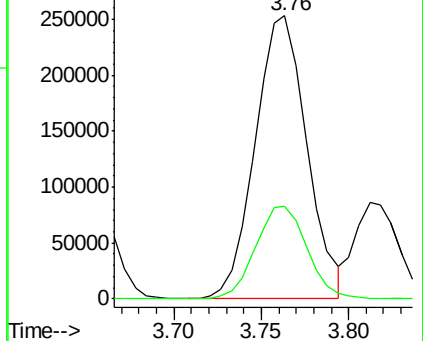
50 100

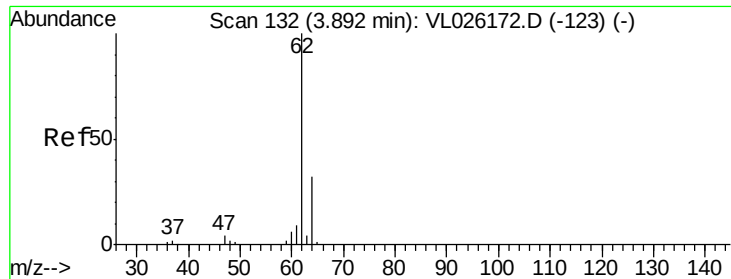
52 32.8 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.27 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

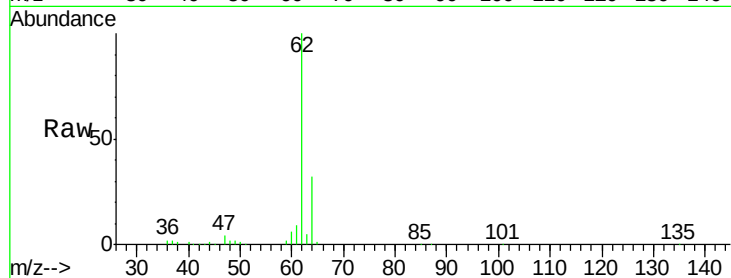
ClientSampled :

Tot Ion: 62 Resp: 534817

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.90

250000

200000

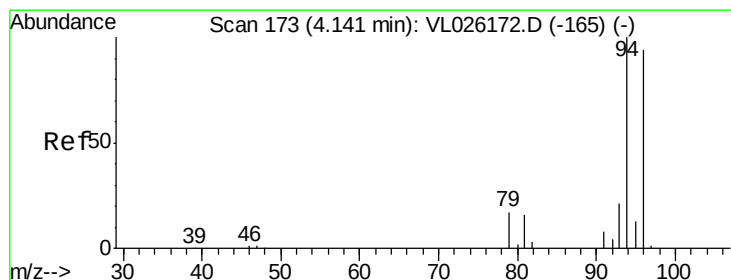
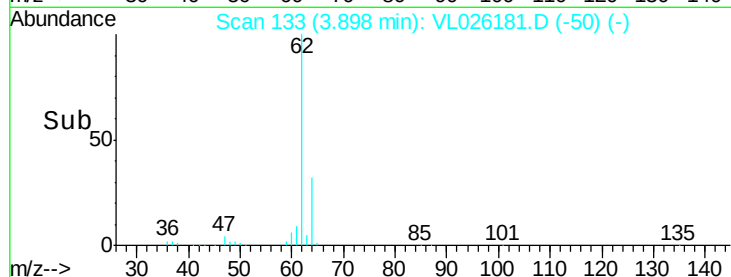
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 9.73 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL026181.D

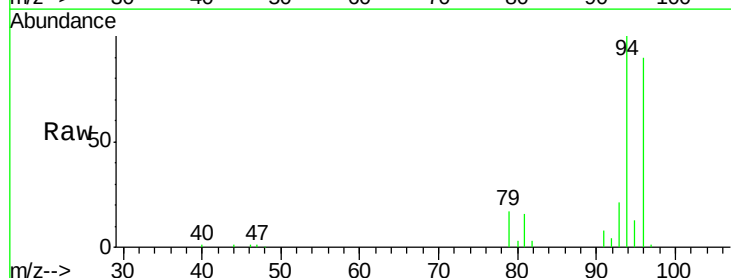
Acq: 9 Oct 2015 18:11

Tgt Ion: 94 Resp: 404085

Ion Ratio Lower Upper

94 100

96 90.5 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

4.15

200000

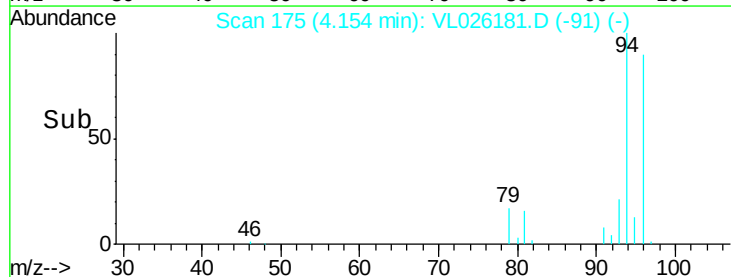
150000

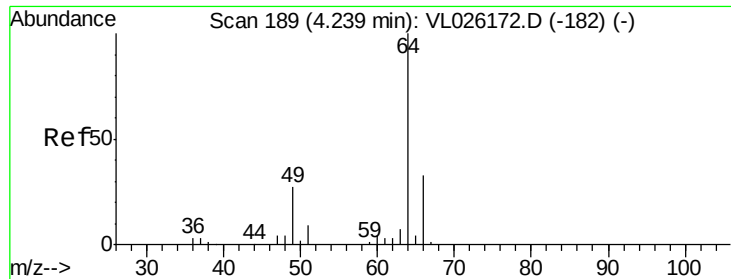
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.17 ppbv

RT: 4.25 min Scan# 191

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

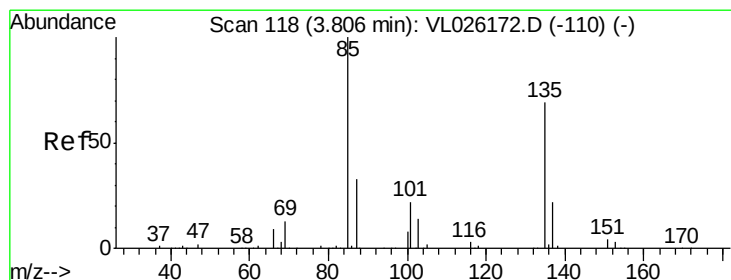
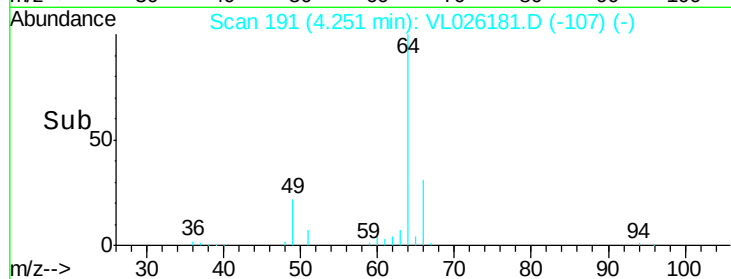
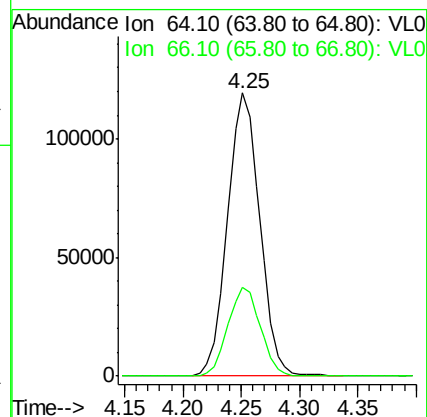
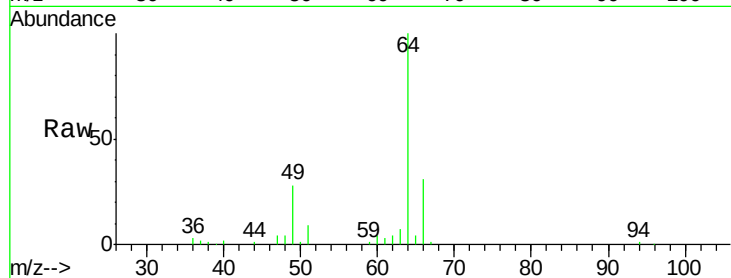
ClientSampleId :

Tot Ion: 64 Resp: 229737

Ion Ratio Lower Upper

64 100

66 31.3 26.5 39.7



#8

Dichlorotetrafluoroethane

Concen: 9.01 ppbv

RT: 3.82 min Scan# 120

Delta R.T. 0.01 min

Lab File: VL026181.D

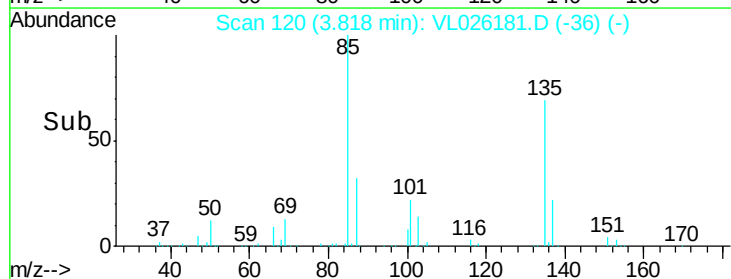
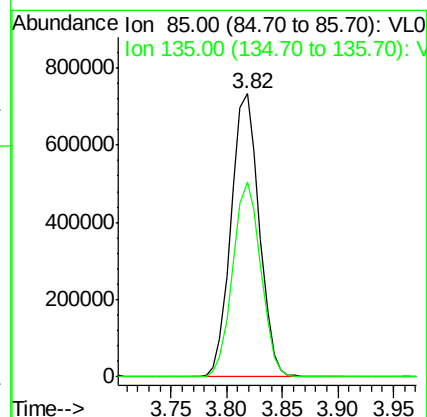
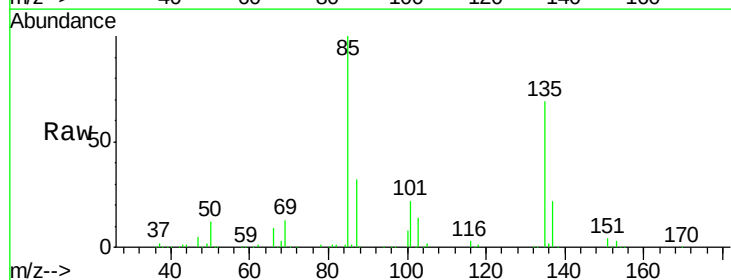
Acq: 9 Oct 2015 18:11

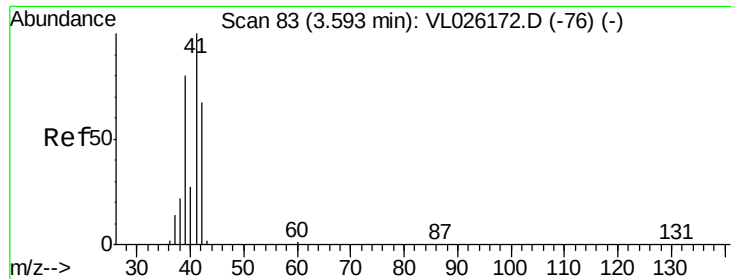
Tgt Ion: 85 Resp: 1280786

Ion Ratio Lower Upper

85 100

135 69.2 55.3 82.9





#9

Propene

Concen: 9.02 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

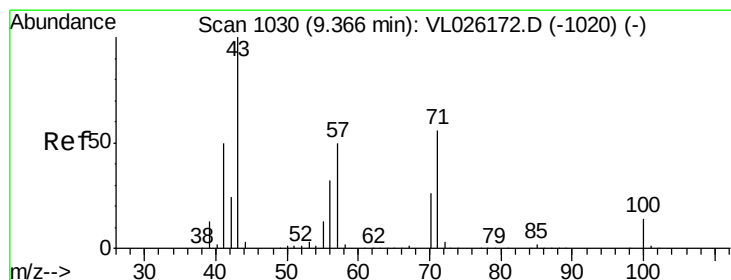
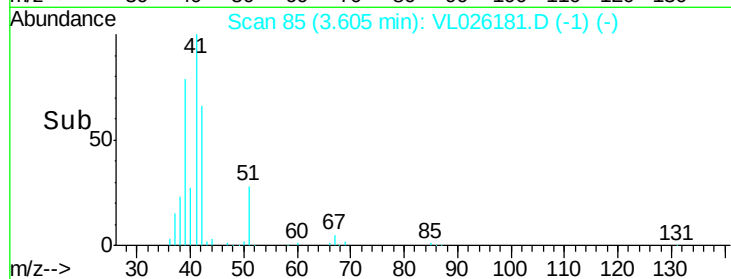
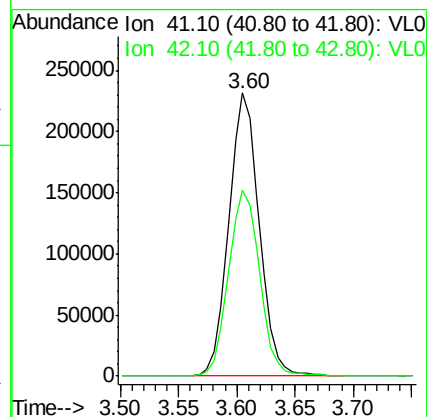
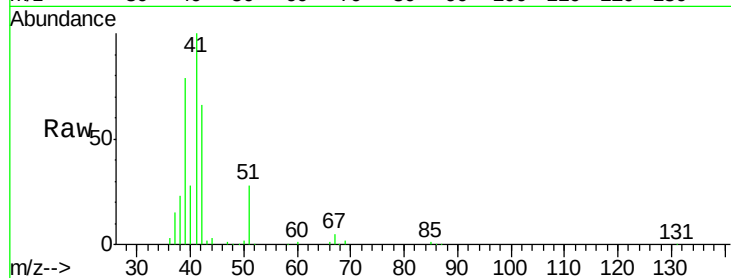
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 419937

Ion Ratio Lower Upper

41 100

42 67.7 53.6 80.4



#10

Heptane

Concen: 9.37 ppbv

RT: 9.38 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VL026181.D

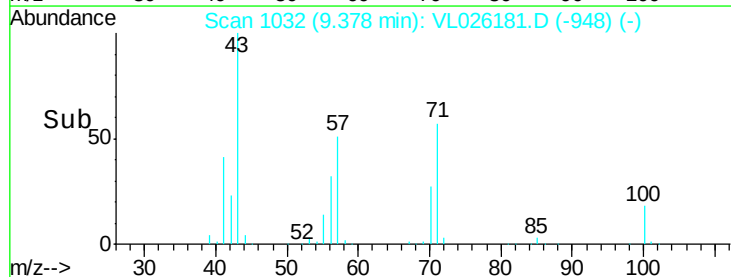
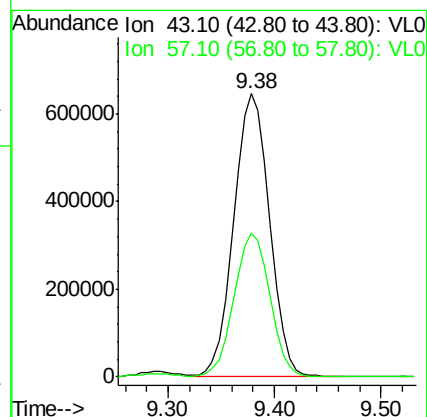
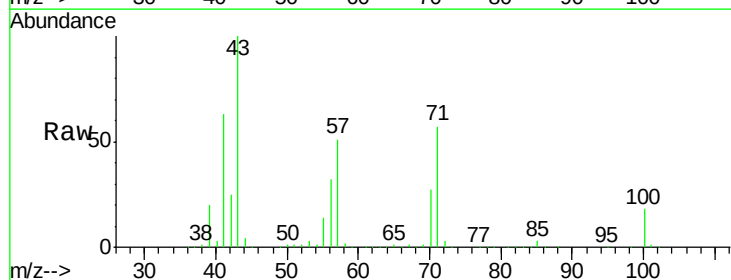
Acq: 9 Oct 2015 18:11

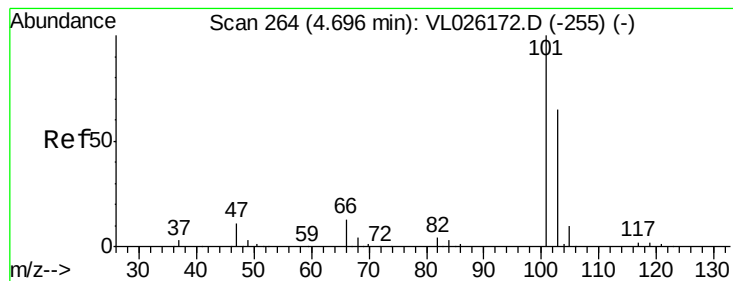
Tgt Ion: 43 Resp: 1516505

Ion Ratio Lower Upper

43 100

57 52.0 41.8 62.8





#11

Trichlorofluoromethane

Concen: 9.36 ppbv

RT: 4.71 min Scan# 266

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

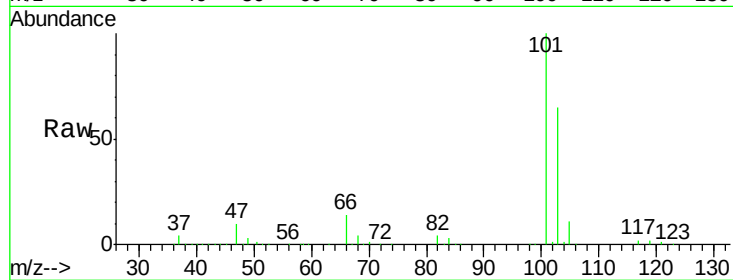
ClientSampleId :

Tot Ion:101 Resp: 1496520

Ion Ratio Lower Upper

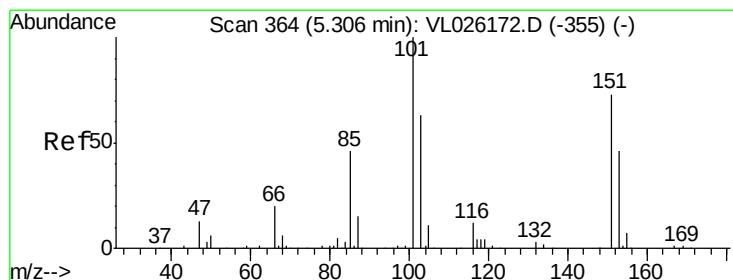
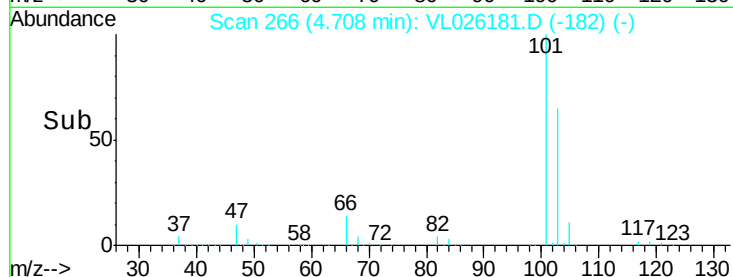
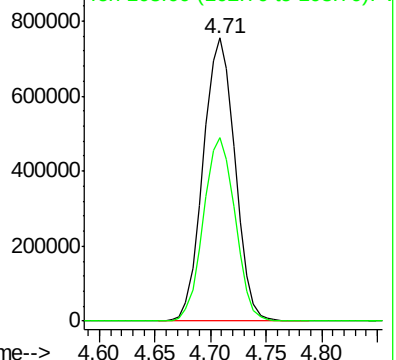
101 100

103 65.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.09 ppbv

RT: 5.32 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL026181.D

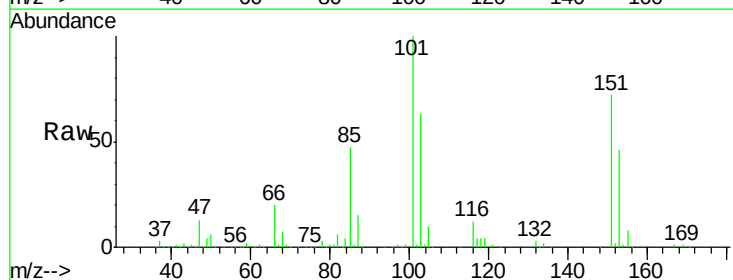
Acq: 9 Oct 2015 18:11

Tgt Ion:101 Resp: 983710

Ion Ratio Lower Upper

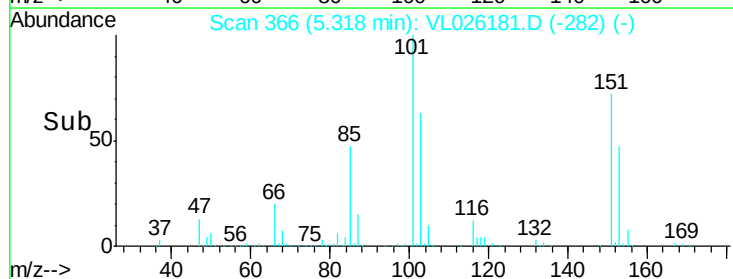
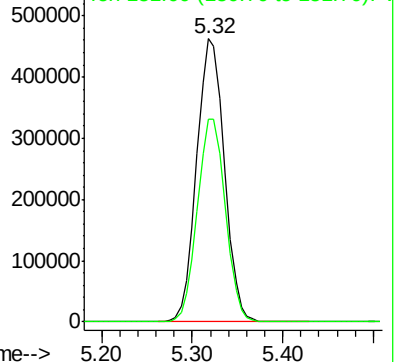
101 100

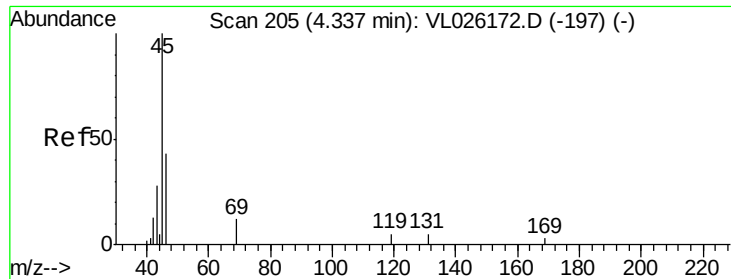
151 72.8 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

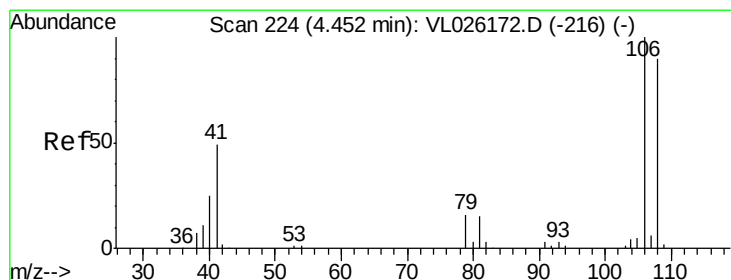
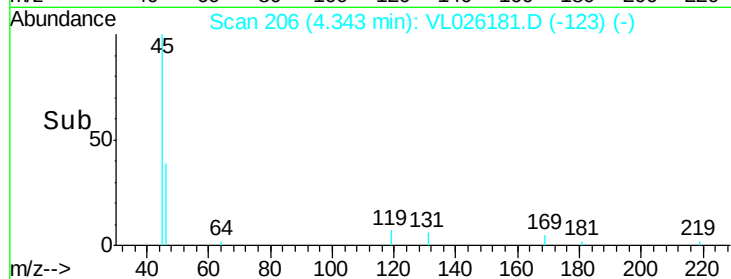
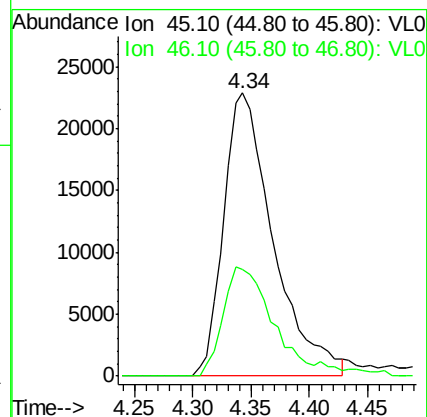
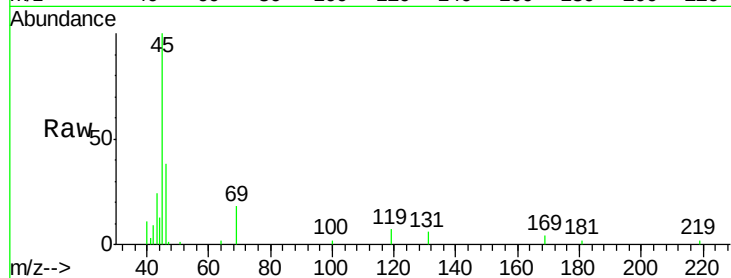




#13
Ethanol
Concen: 9.88 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

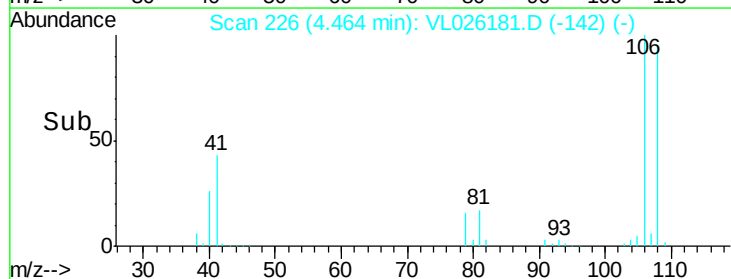
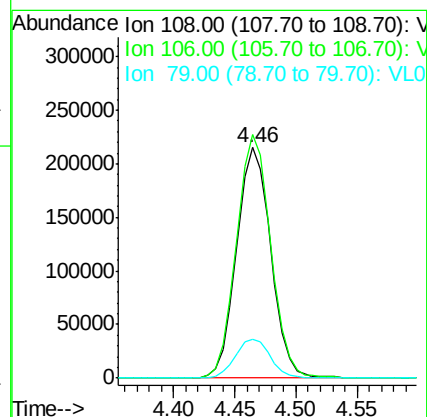
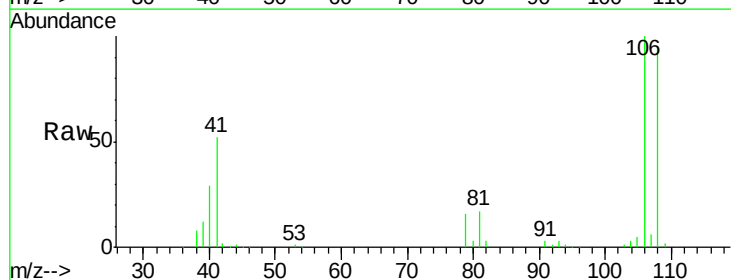
Instrument :
MSVOA_L
ClientSampled :

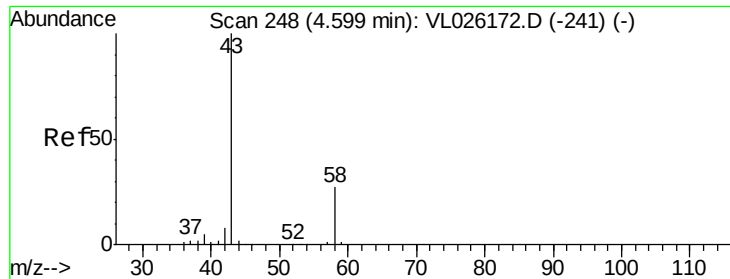
Tot Ion: 45 Resp: 67703
Ion Ratio Lower Upper
45 100
46 41.0 18.1 72.5



#14
Bromoethene
Concen: 9.36 ppbv
RT: 4.46 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 108 Resp: 417558
Ion Ratio Lower Upper
108 100
106 106.2 85.9 128.9
79 17.8 14.0 21.0





#15

Acetone

Concen: 7.89 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

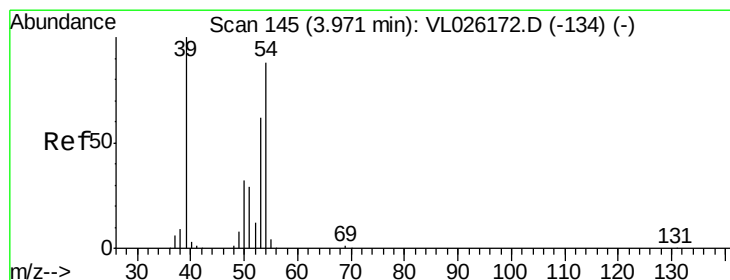
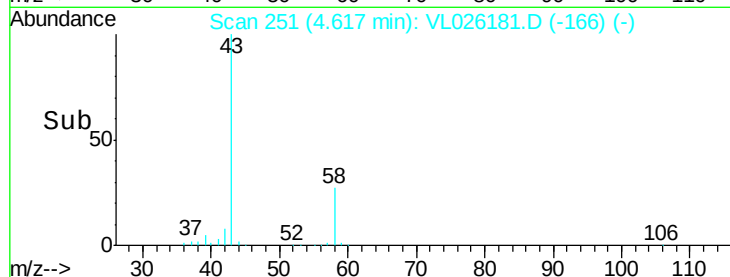
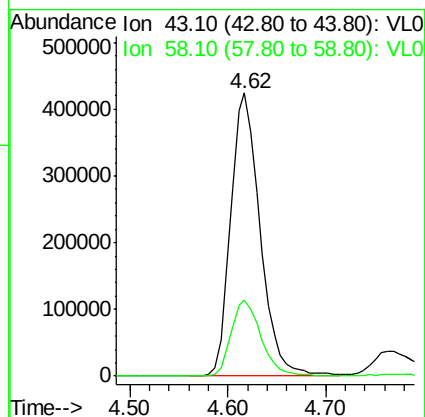
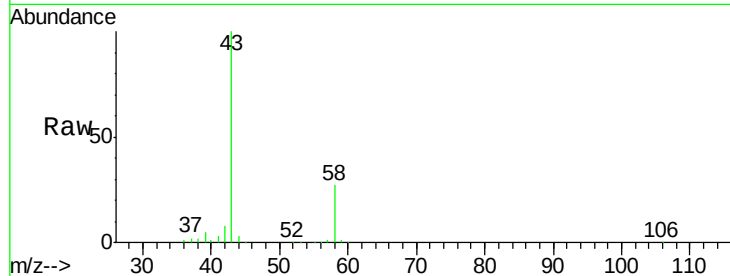
ClientSampleId :

Tot Ion: 43 Resp: 885892

Ion Ratio Lower Upper

43 100

58 27.5 22.0 33.0



#16

1,3-Butadiene

Concen: 9.07 ppbv

RT: 3.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL026181.D

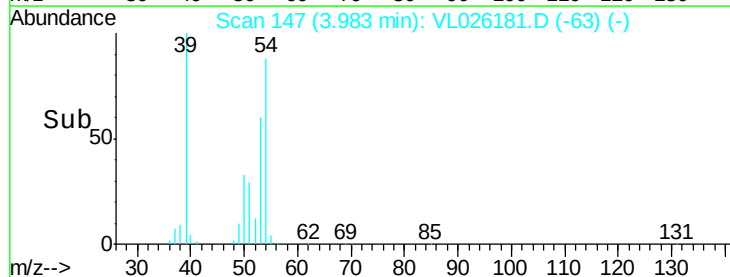
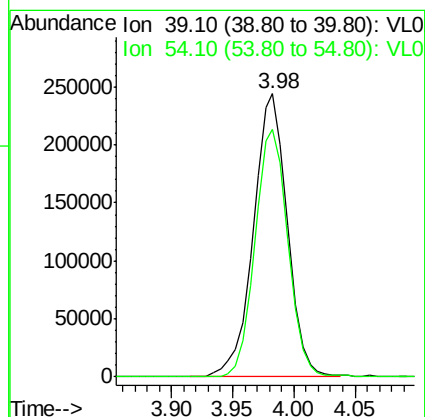
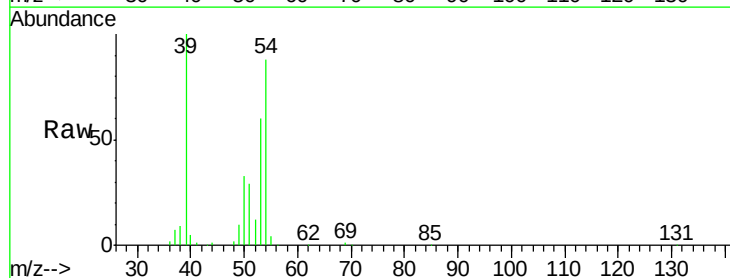
Acq: 9 Oct 2015 18:11

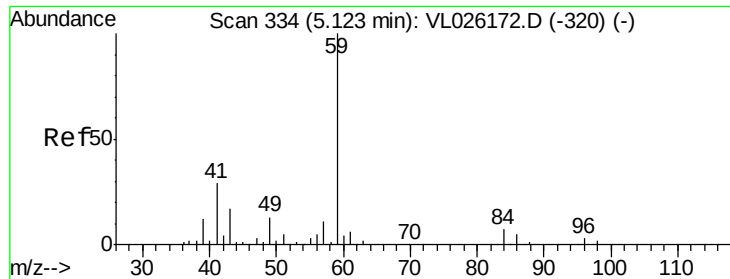
Tgt Ion: 39 Resp: 470831

Ion Ratio Lower Upper

39 100

54 85.0 67.9 101.9



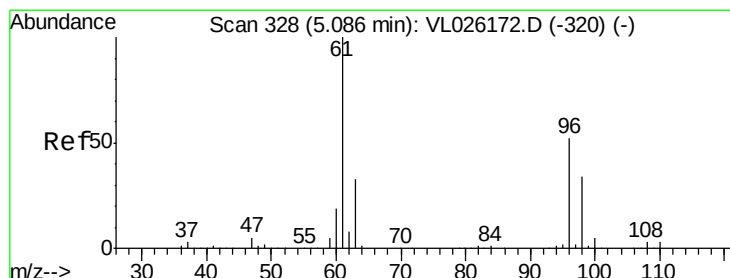
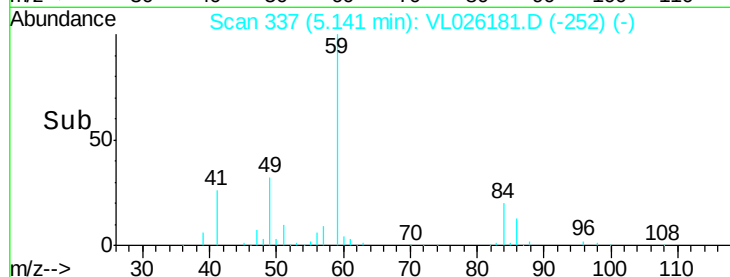
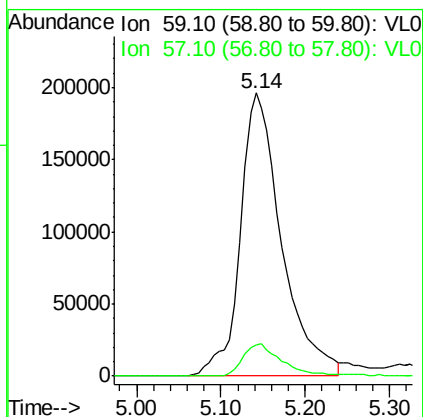
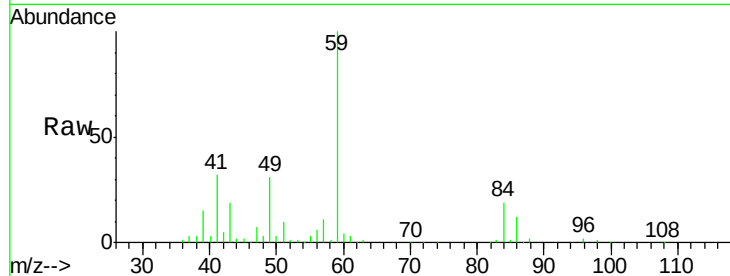


#17

tert-Butyl alcohol
Concen: 9.67 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Instrument :
MSVOA_L
ClientSampleId :

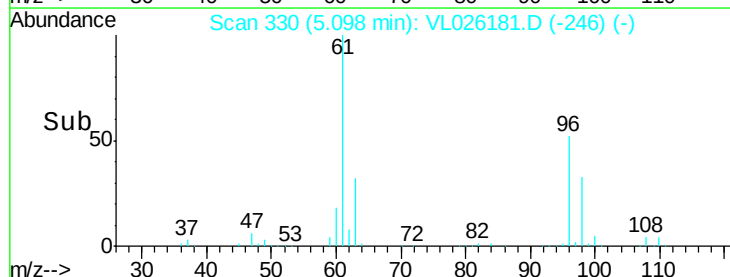
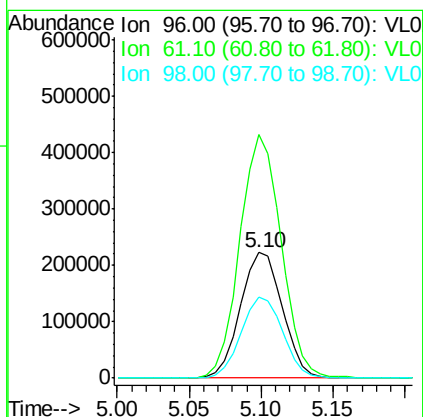
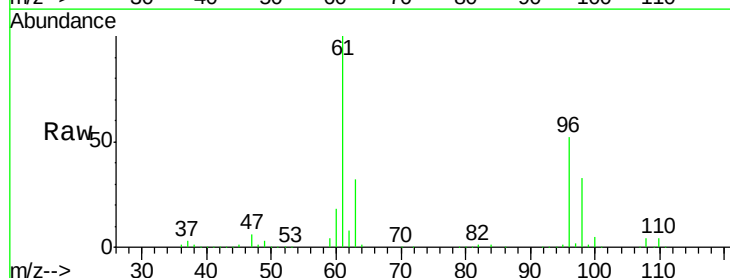
Tot Ion: 59 Resp: 654091
Ion Ratio Lower Upper
59 100
57 11.5 8.8 13.2

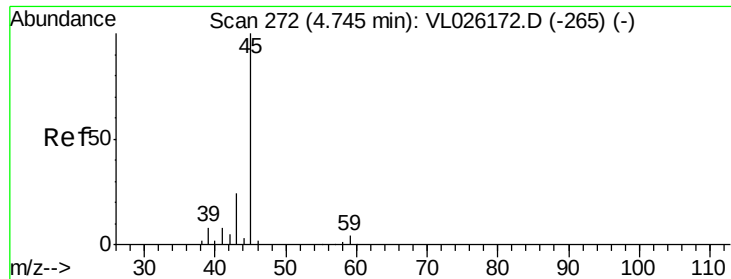


#18

1,1-Dichloroethene
Concen: 9.24 ppbv
RT: 5.10 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 96 Resp: 452570
Ion Ratio Lower Upper
96 100
61 193.6 153.2 229.8
98 64.5 52.1 78.1





#19

Isopropyl Alcohol

Concen: 9.55 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

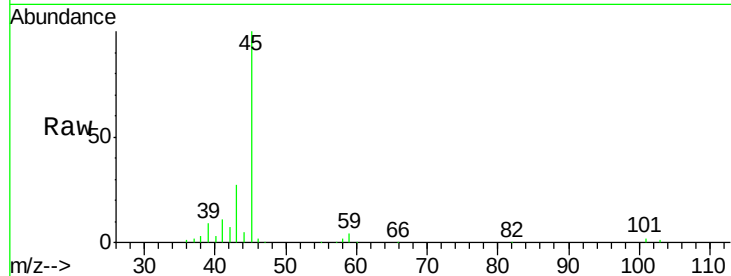
ClientSampleId :

Tot Ion: 45 Resp: 417795

Ion Ratio Lower Upper

45 100

58 2.7 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.76

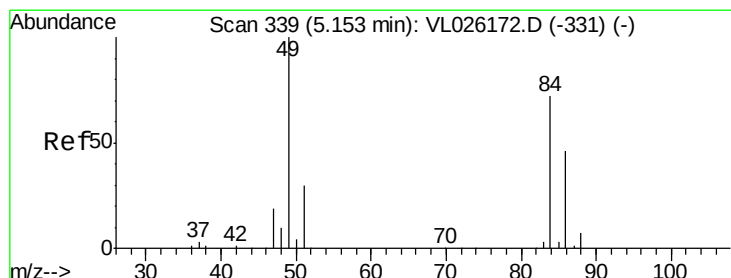
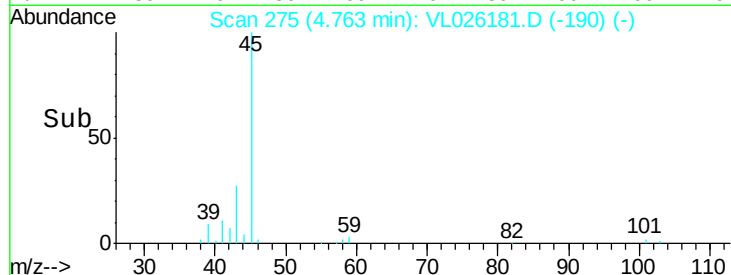
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.79 ppbv

RT: 5.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Tgt Ion: 84 Resp: 420121

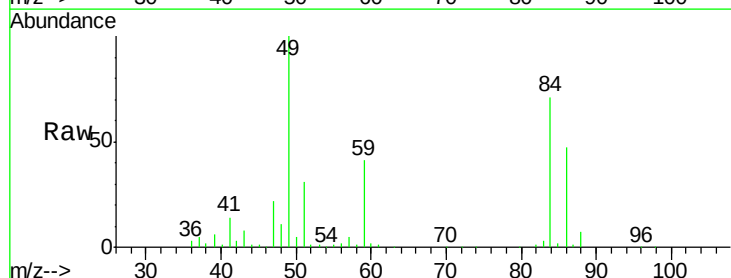
Ion Ratio Lower Upper

84 100

49 139.8 111.3 166.9

51 43.5 33.0 49.6

86 66.8 51.6 77.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

400000

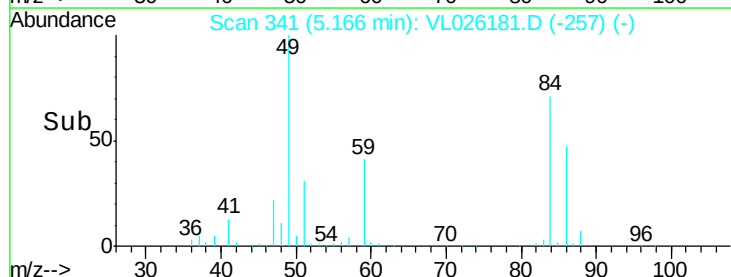
300000

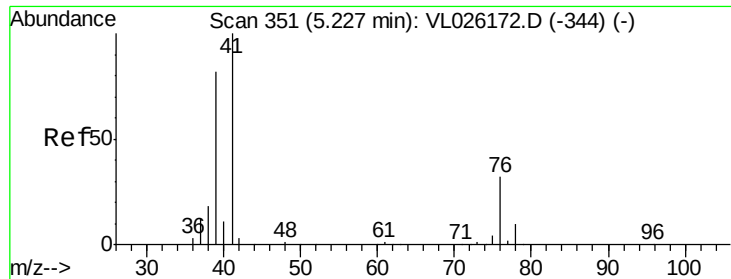
200000

100000

0

Time-->

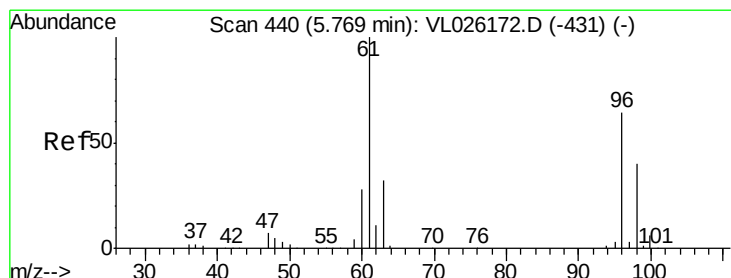
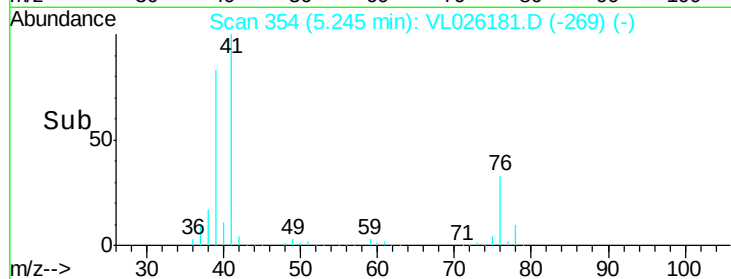
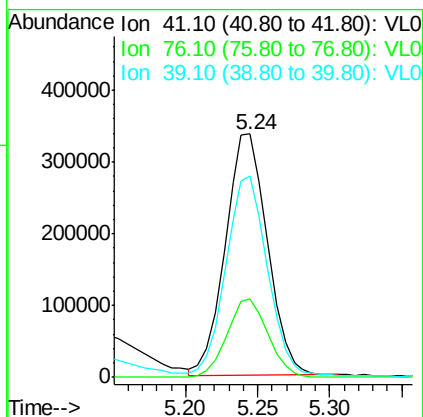
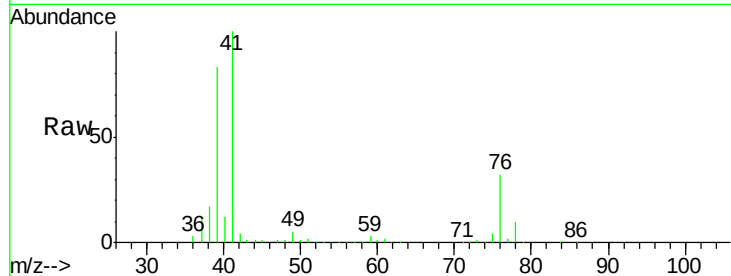




#21
 Allvl Chloride
 Concen: 9.35 ppbv
 RT: 5.24 min Scan# 354
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

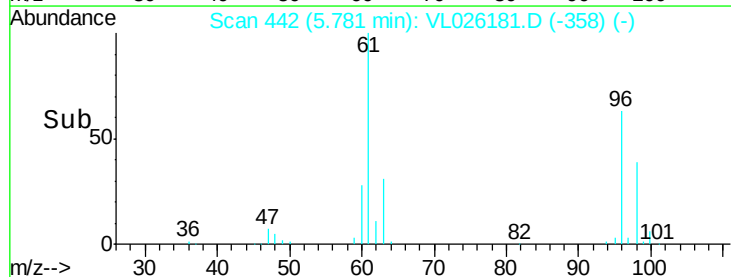
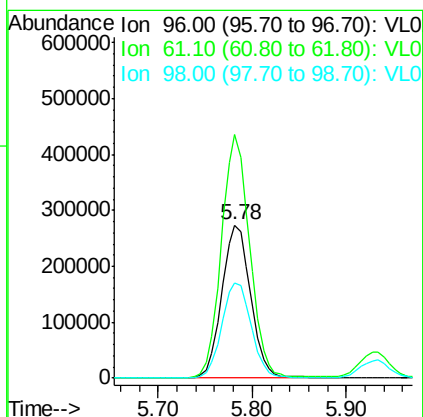
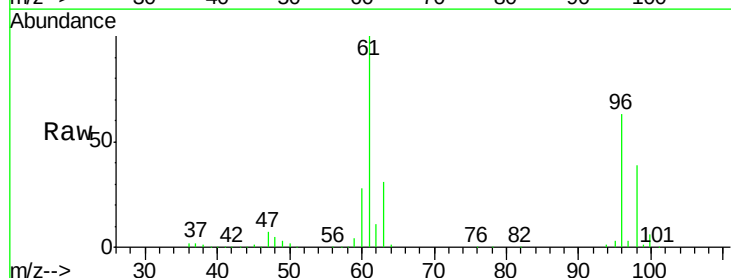
Instrument :
 MSVOA_L
 ClientSampleId :

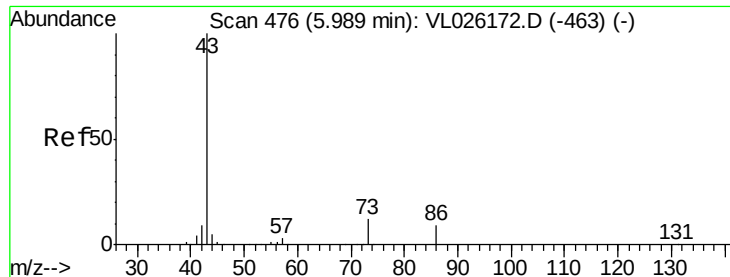
Tot Ion: 41 Resp: 685396
 Ion Ratio Lower Upper
 41 100
 76 31.8 25.4 38.2
 39 83.5 66.5 99.7



#22
 trans-1,2-Dichloroethene
 Concen: 9.25 ppbv
 RT: 5.78 min Scan# 442
 Delta R.T. 0.01 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion: 96 Resp: 580582
 Ion Ratio Lower Upper
 96 100
 61 159.3 125.8 188.6
 98 62.3 50.6 75.8





#23

Vinyl Acetate

Concen: 9.28 ppbv

RT: 6.00 min Scan# 478

Delta R.T. 0.01 min

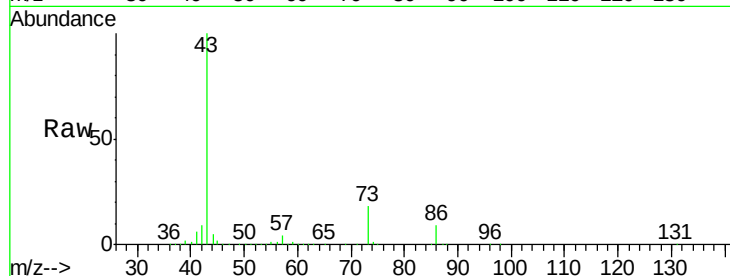
Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 1844301

Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.2	10.8
42	9.0	7.4	11.2
44	4.8	3.9	5.9

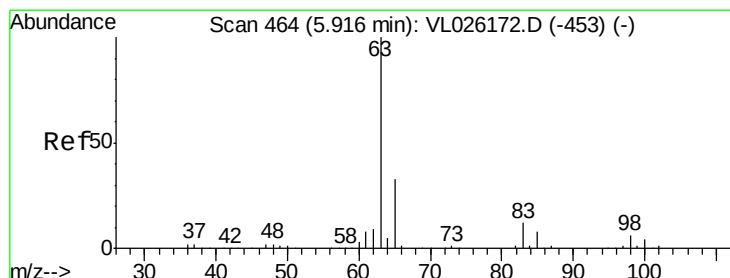
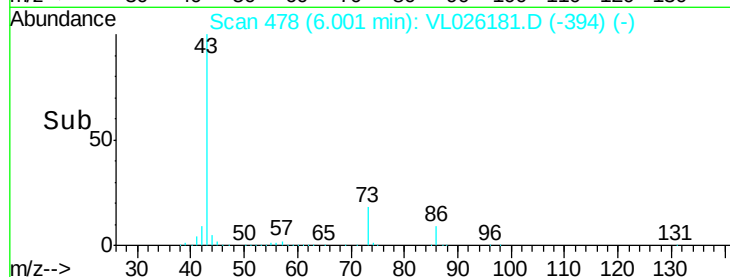
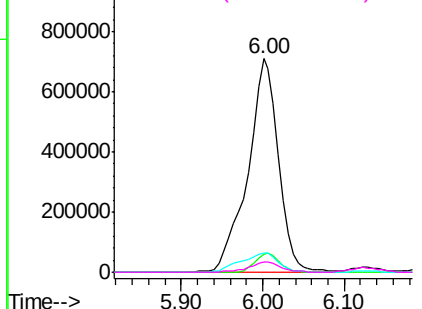


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.16 ppbv

RT: 5.93 min Scan# 466

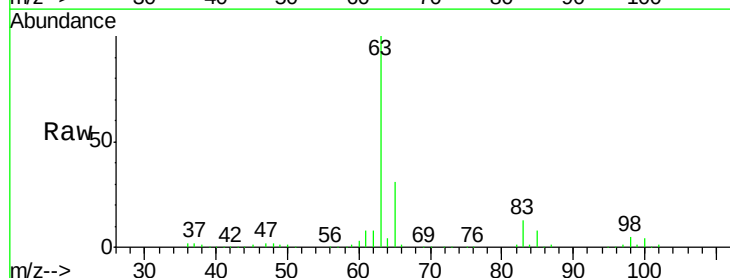
Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Tgt Ion: 63 Resp: 1241339

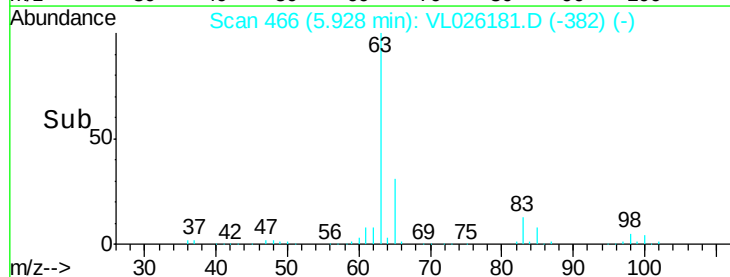
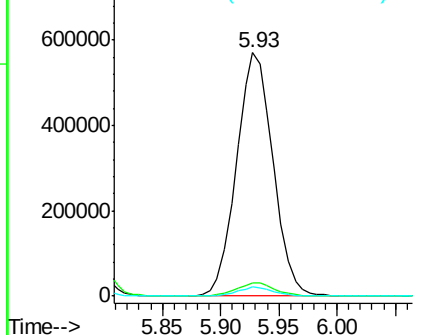
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.9	8.7
100	3.7	1.8	5.5

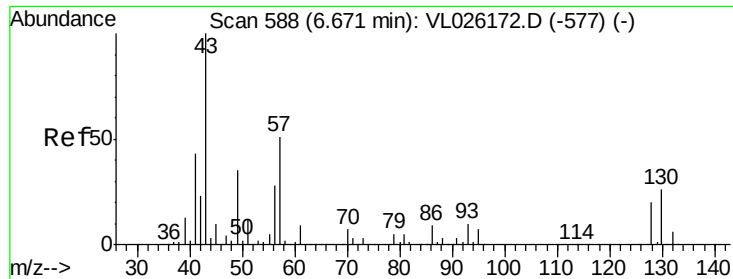


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



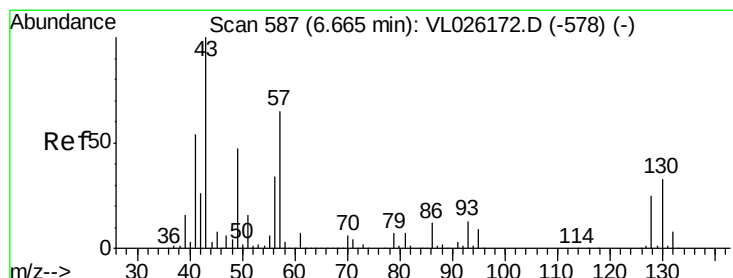
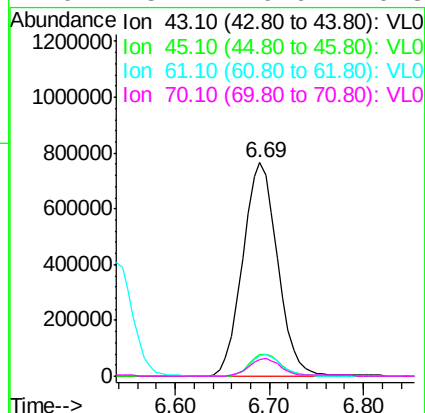
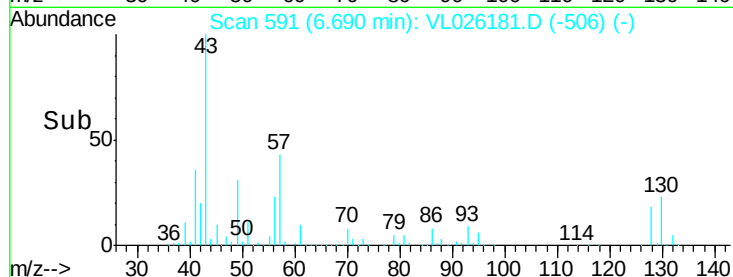
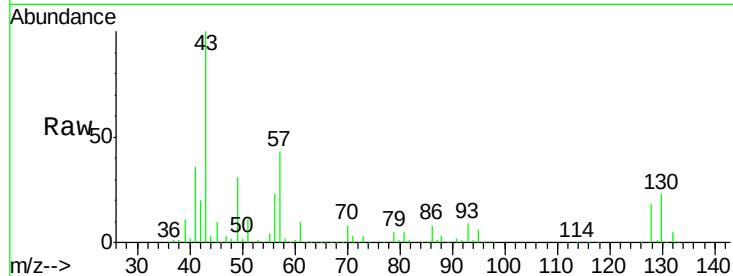


#25
Ethyl Acetate
Concen: 9.05 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 1964209

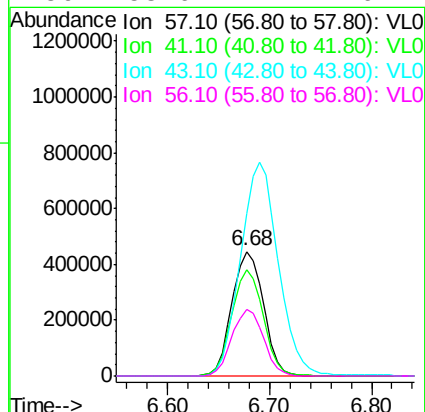
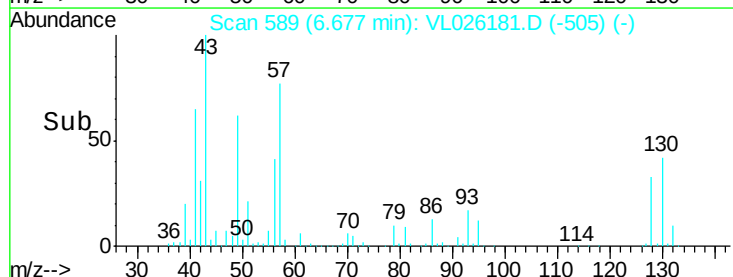
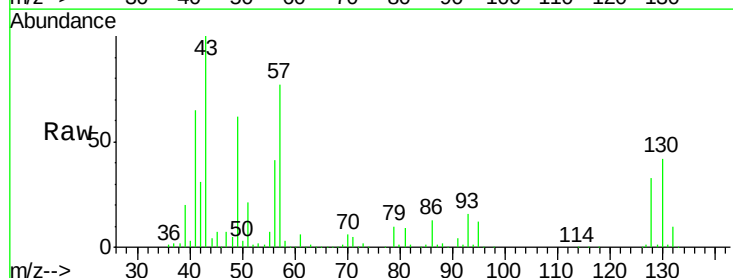
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.7	11.5
61	9.3	7.4	11.2
70	8.4	6.6	9.8

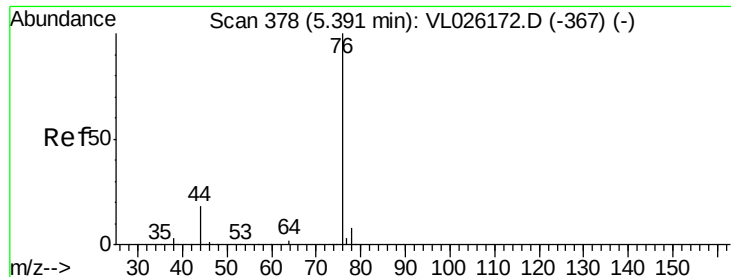


#26
Hexane
Concen: 9.11 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 57 Resp: 958240

Ion	Ratio	Lower	Upper
57	100		
41	85.9	68.0	102.0
43	207.0	164.4	246.6
56	53.6	42.7	64.1





#27

Carbon Disulfide

Concen: 10.02 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

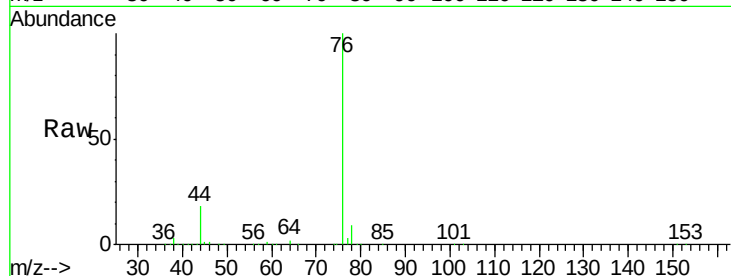
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1262642

Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.2	21.4
78	9.4	7.5	11.3

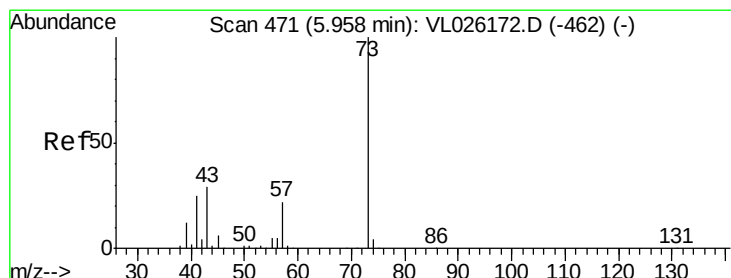
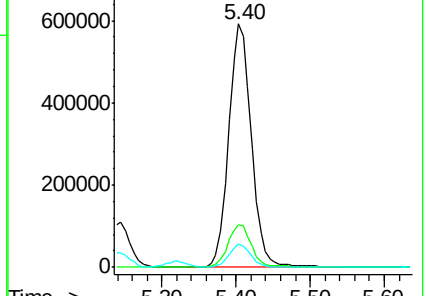
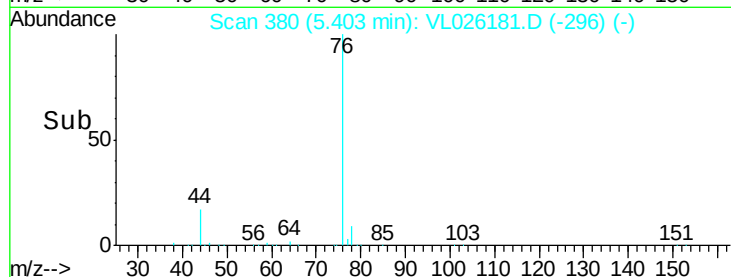


Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.43 ppbv

RT: 5.97 min Scan# 473

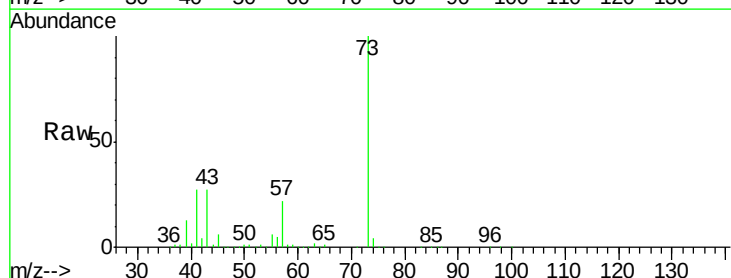
Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Tgt Ion: 73 Resp: 1597744

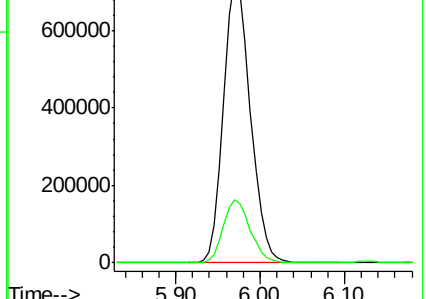
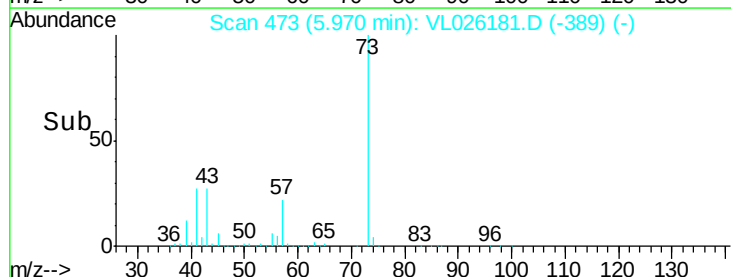
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.8	26.6

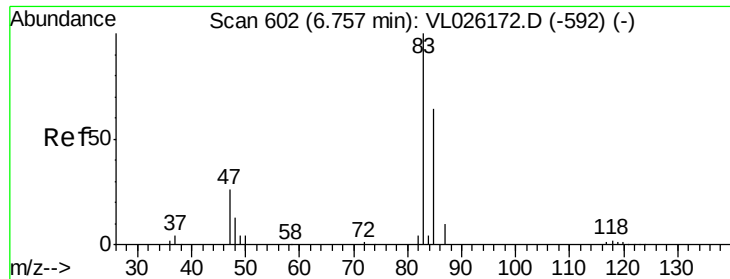


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

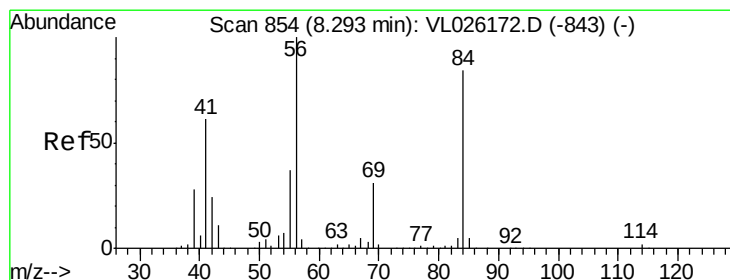
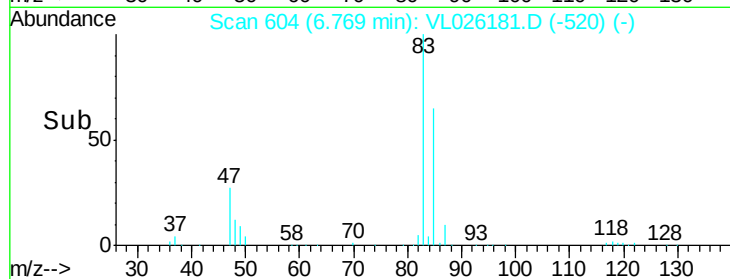
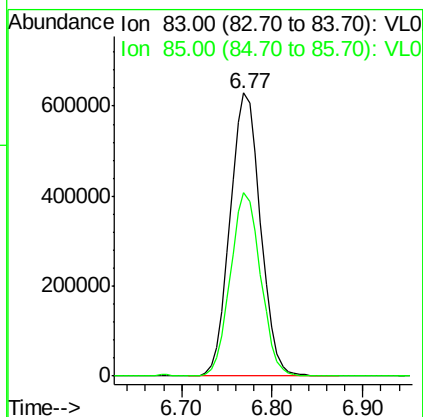
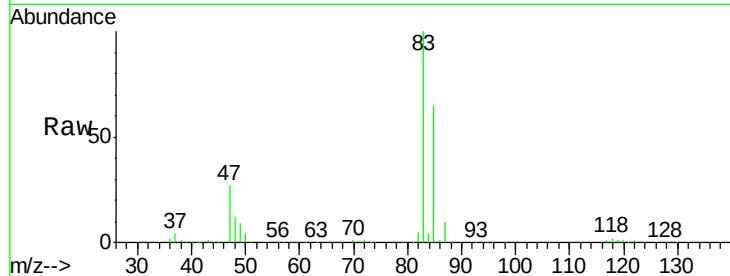




#29
Chloroform
Concen: 9.39 ppbv
RT: 6.77 min Scan# 604
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

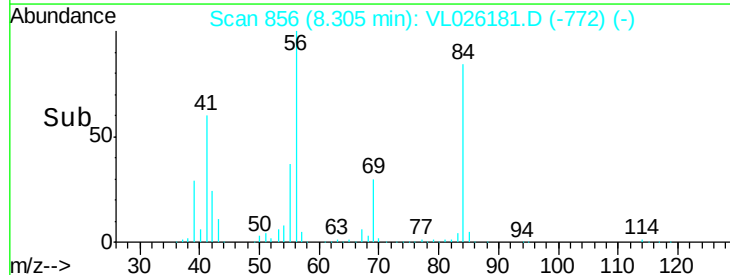
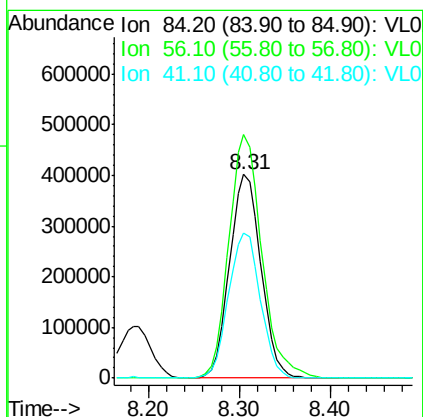
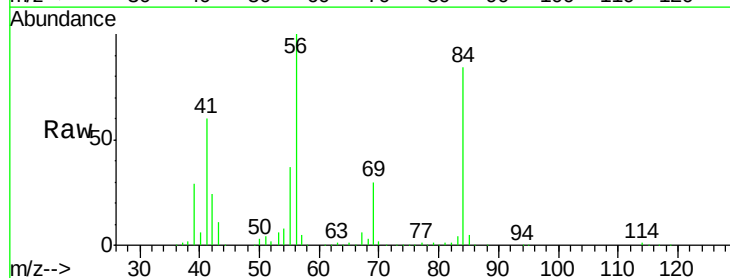
Instrument :
MSVOA_L
ClientSampleId :

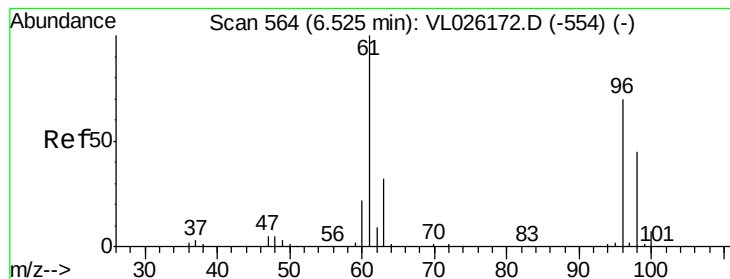
Tot Ion: 83 Resp: 1463982
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3



#30
Cyclohexane
Concen: 9.66 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 84 Resp: 967976
Ion Ratio Lower Upper
84 100
56 125.6 99.8 149.8
41 72.6 58.1 87.1





#31

cis-1,2-Dichloroethene

Concen: 9.53 ppbv

RT: 6.54 min Scan# 566

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :
MSVOA_L
ClientSampleId :

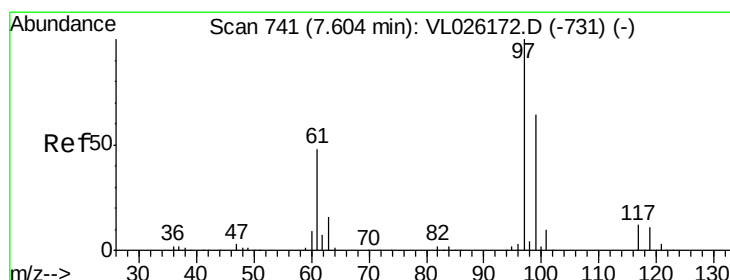
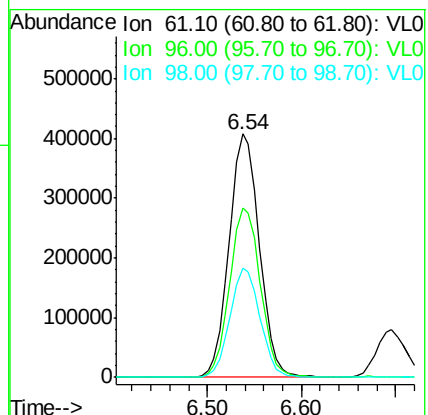
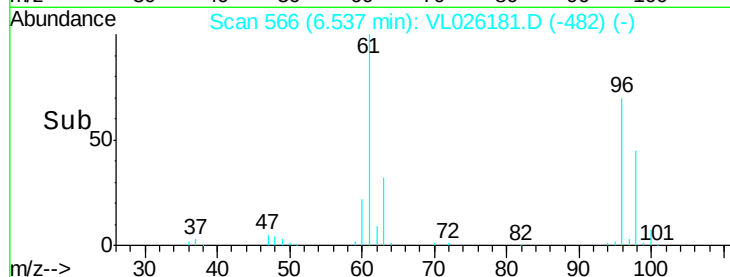
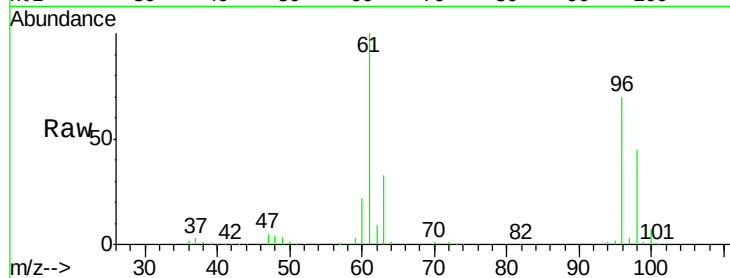
Tot Ion: 61 Resp: 913352

Ion Ratio Lower Upper

61 100

96 69.7 55.8 83.8

98 44.8 35.8 53.6



#32

1,1,1-Trichloroethane

Concen: 9.88 ppbv

RT: 7.62 min Scan# 744

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

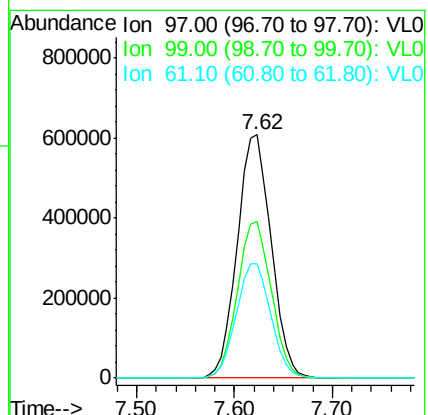
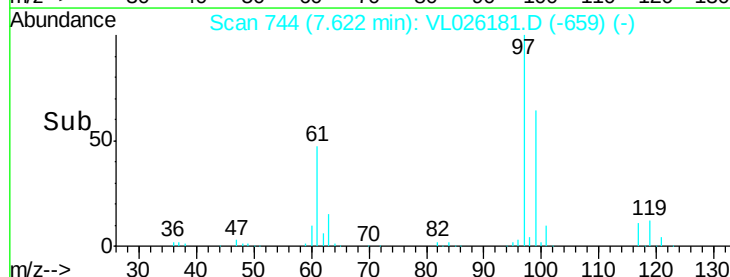
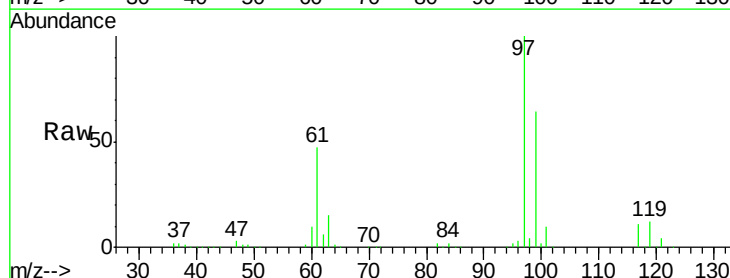
Tgt Ion: 97 Resp: 1470382

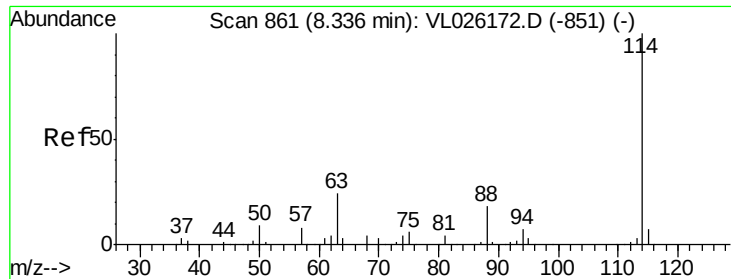
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 48.0 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.35 min Scan# 864

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

ClientSampleId :

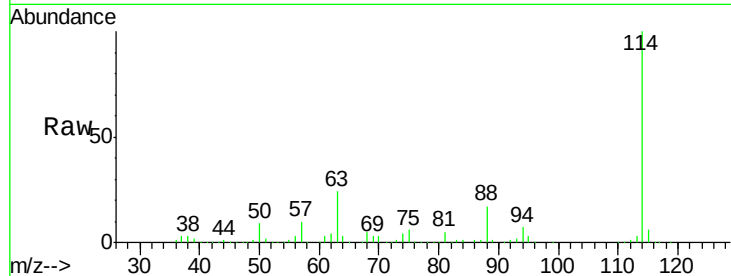
Tot Ion:114 Resp: 2521133

Ion Ratio Lower Upper

114 100

63 23.9 19.0 28.6

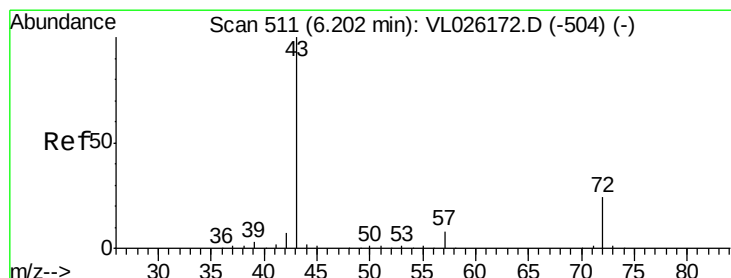
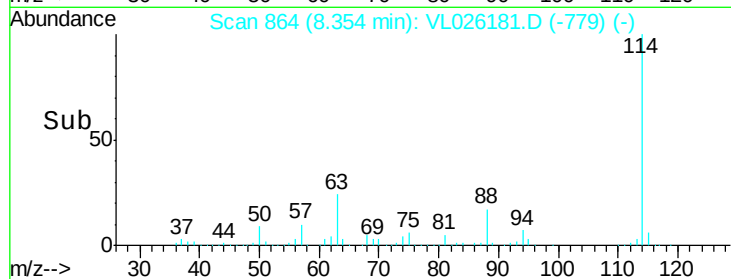
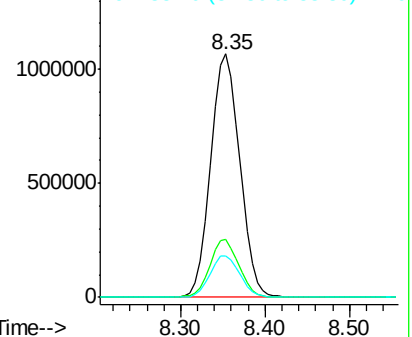
88 17.3 13.8 20.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.88 ppbv

RT: 6.22 min Scan# 514

Delta R.T. 0.02 min

Lab File: VL026181.D

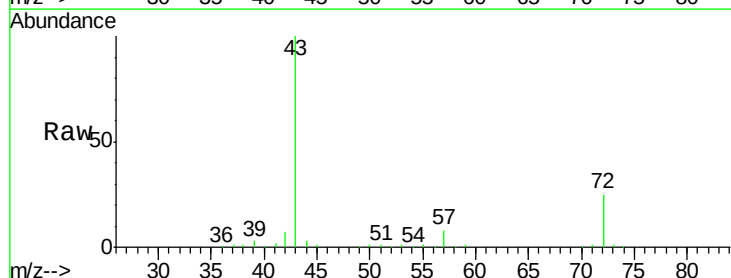
Acq: 9 Oct 2015 18:11

Tgt Ion: 43 Resp: 1245960

Ion Ratio Lower Upper

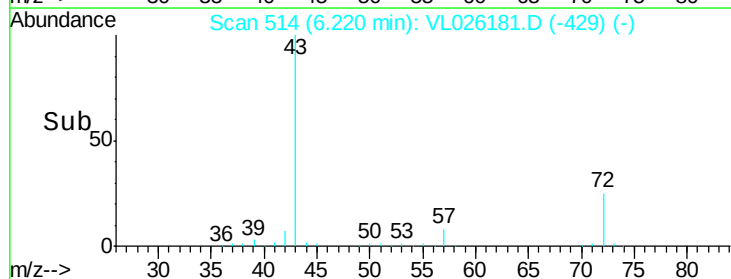
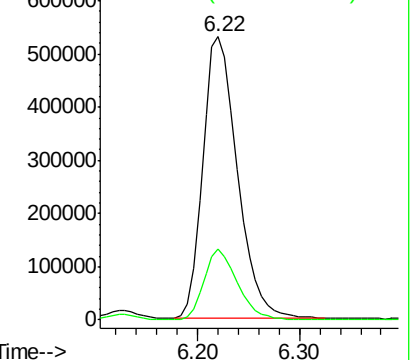
43 100

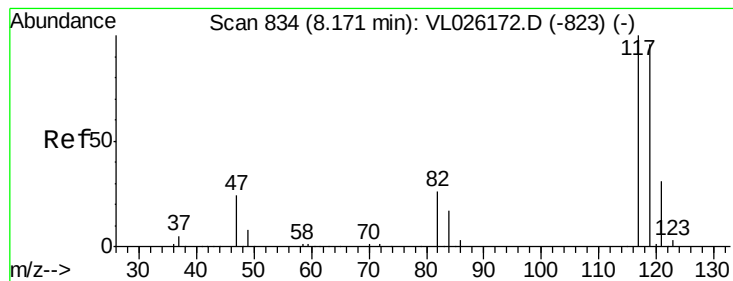
72 24.6 19.6 29.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.57 ppbv

RT: 8.18 min Scan# 836

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

ClientSampleId :

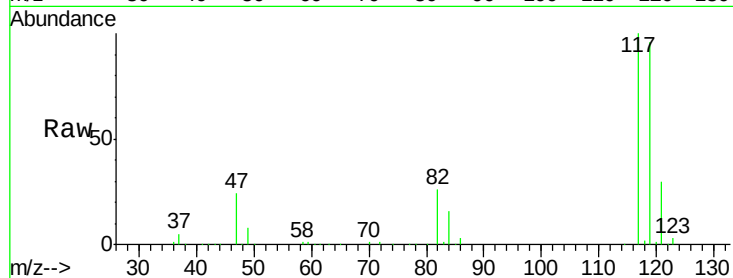
Tot Ion:117 Resp: 1528425

Ion Ratio Lower Upper

117 100

119 95.7 76.6 115.0

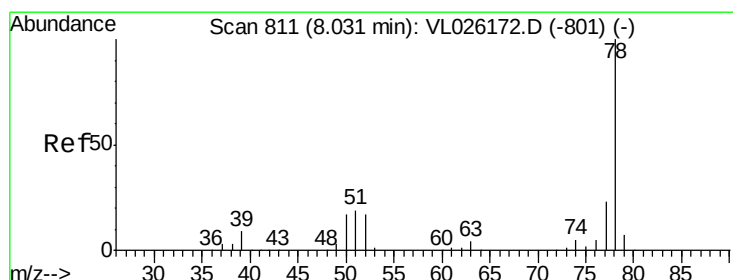
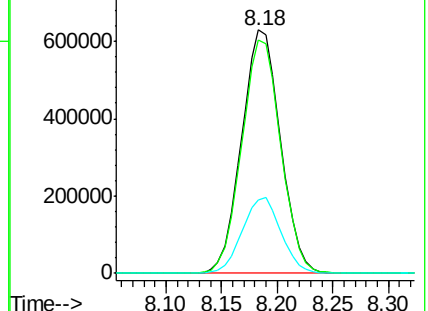
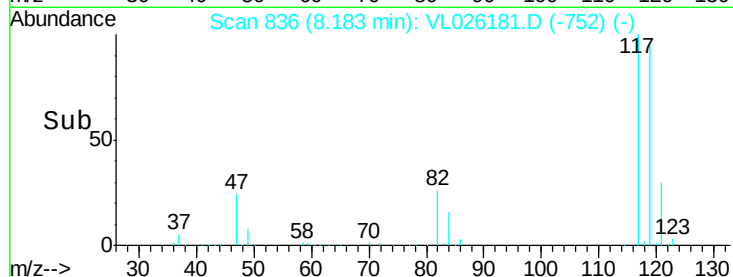
121 30.4 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.08 ppbv

RT: 8.05 min Scan# 814

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

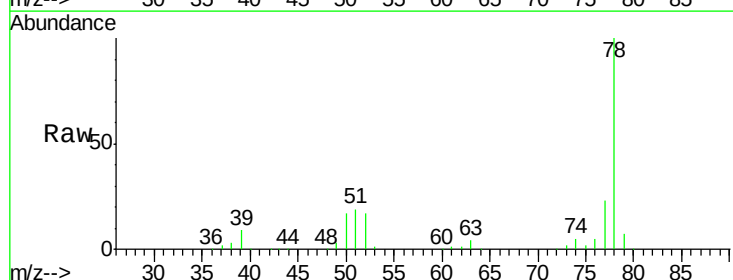
Tgt Ion: 78 Resp: 2189553

Ion Ratio Lower Upper

78 100

77 23.4 18.2 27.4

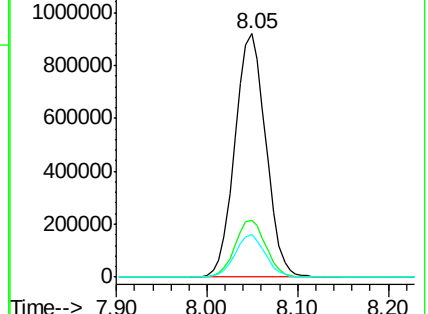
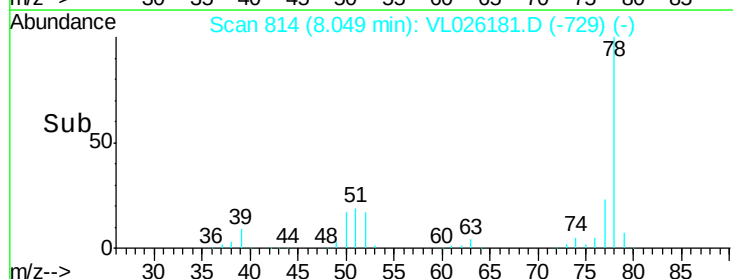
50 17.5 13.4 20.2

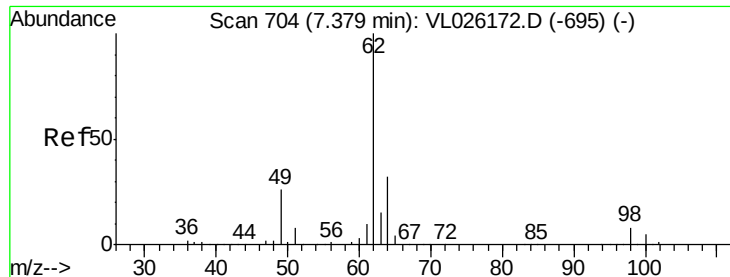


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

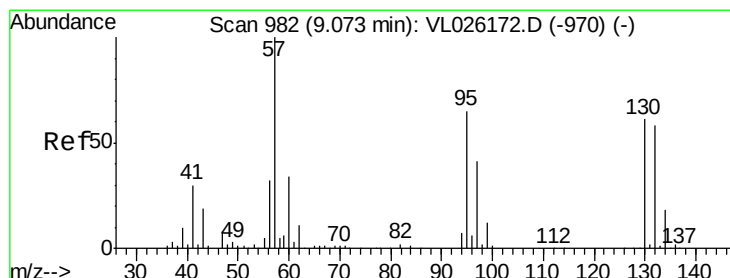
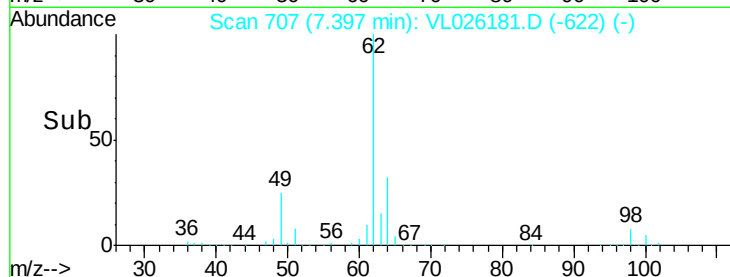
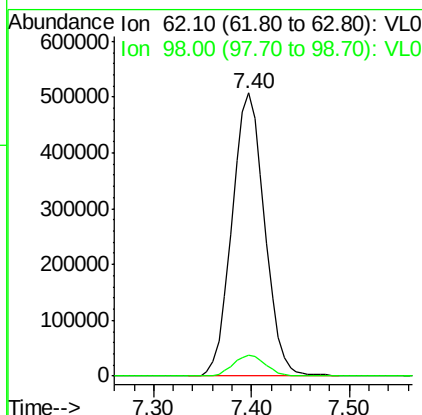
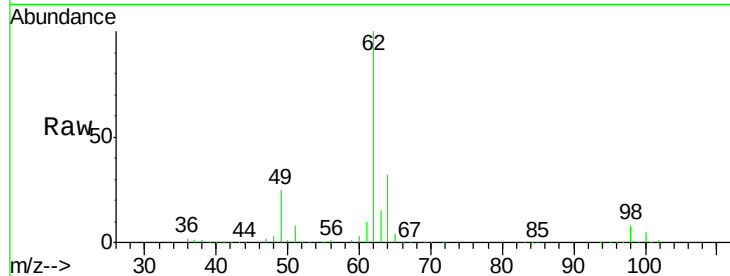




#37
 1,2-Dichloroethane
 Concen: 9.08 ppbv
 RT: 7.40 min Scan# 707
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

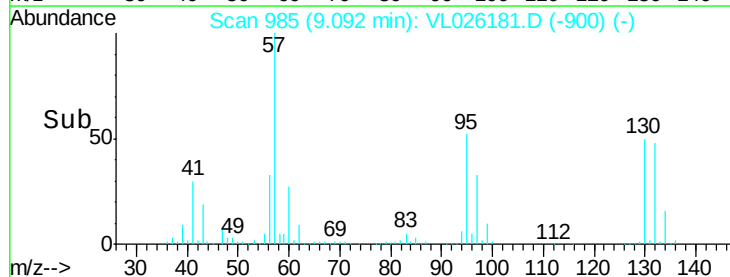
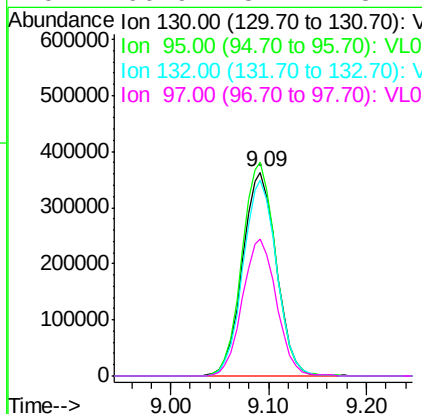
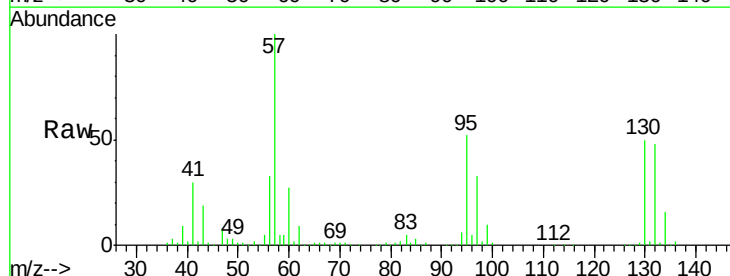
Instrument :
 MSVOA_L
 ClientSampleId :

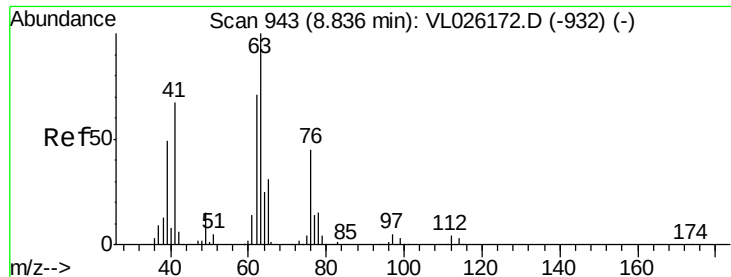
Tot Ion: 62 Resp: 1173123
 Ion Ratio Lower Upper
 62 100
 98 7.5 6.2 9.2



#38
 Trichloroethene
 Concen: 7.90 ppbv
 RT: 9.09 min Scan# 985
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion:130 Resp: 874667
 Ion Ratio Lower Upper
 130 100
 95 104.7 84.9 127.3
 132 96.0 76.8 115.2
 97 66.9 54.1 81.1

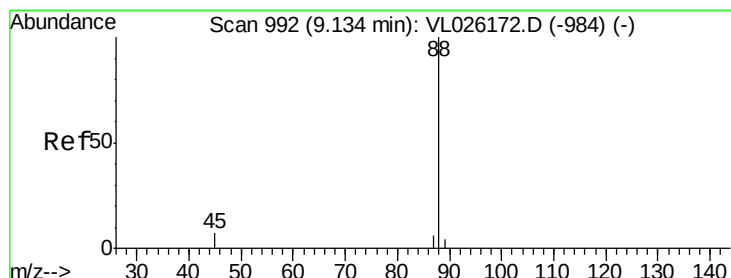
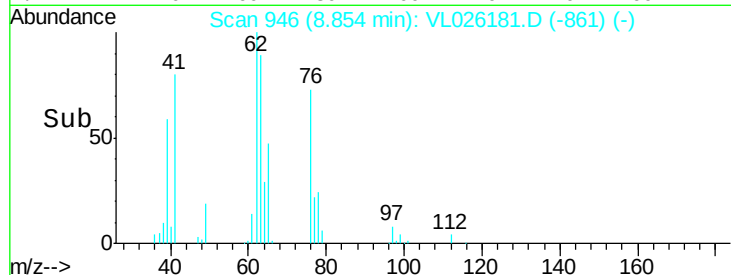
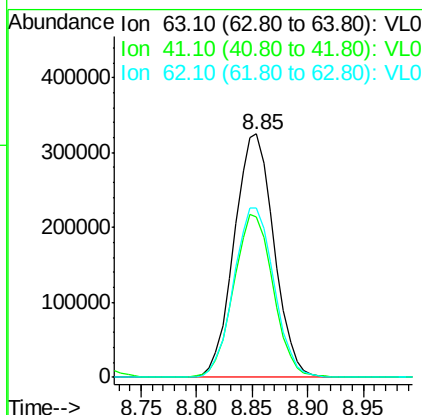
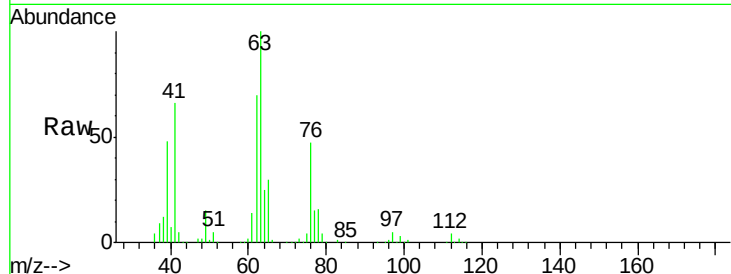




#39
 1,2-Dichloropropane
 Concen: 9.00 ppbv
 RT: 8.85 min Scan# 946
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

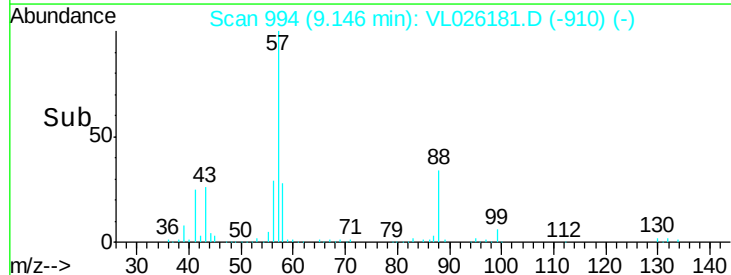
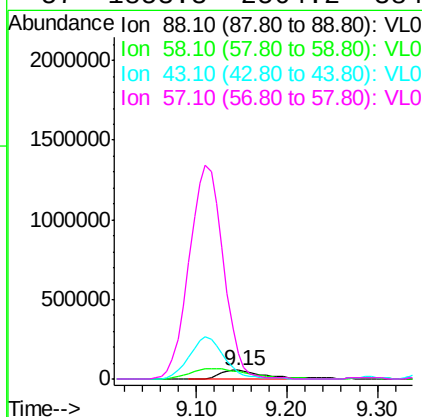
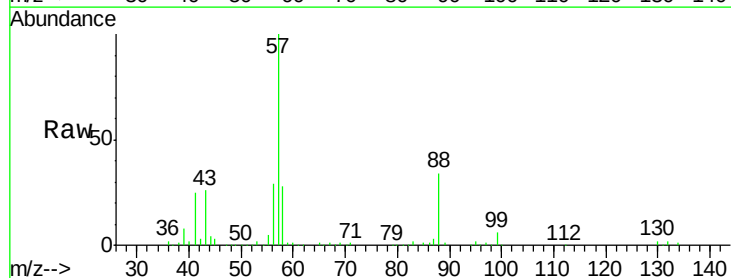
Instrument :
 MSVOA_L
 ClientSampleId :

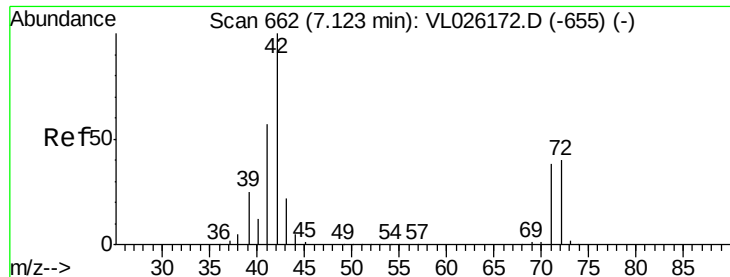
Tot Ion	Ratio	Lower	Upper
63	100		
41	65.8	53.9	80.9
62	69.8	57.1	85.7



#40
 1,4-Dioxane
 Concen: 12.94 ppbv
 RT: 9.15 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	155.6	178.4	267.6#
43	378.1	510.2	765.4#
57	1853.3	2564.2	3846.4#

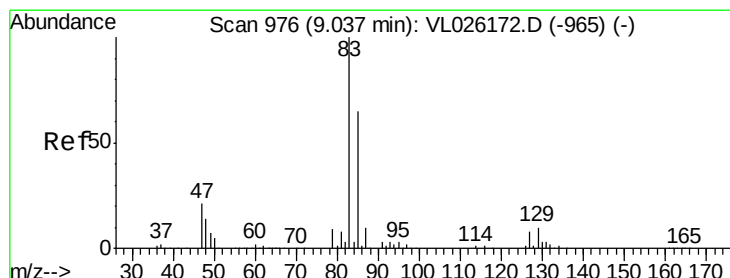
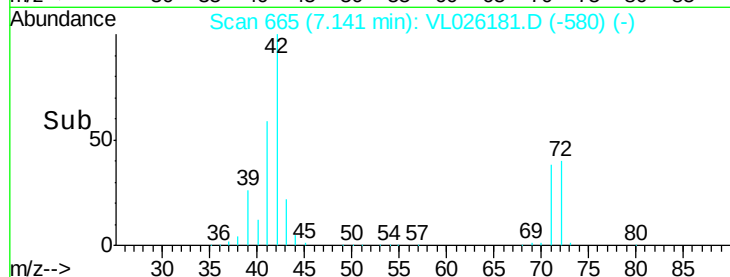
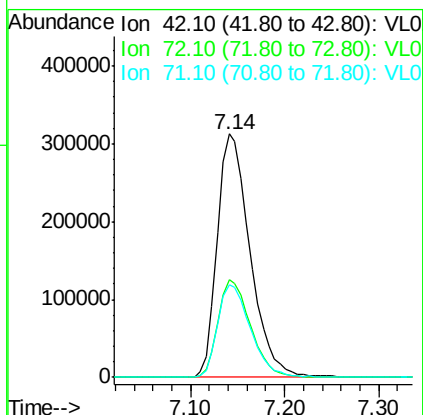
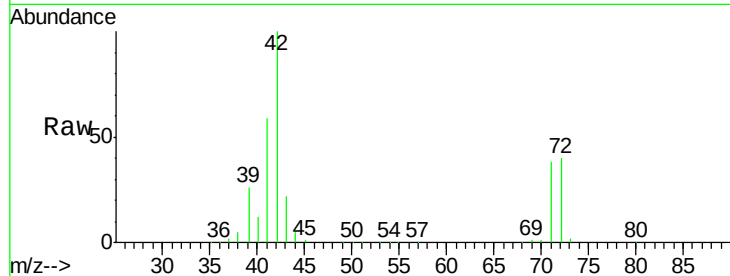




#41
Tetrahydrofuran
Concen: 9.58 ppbv
RT: 7.14 min Scan# 665
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

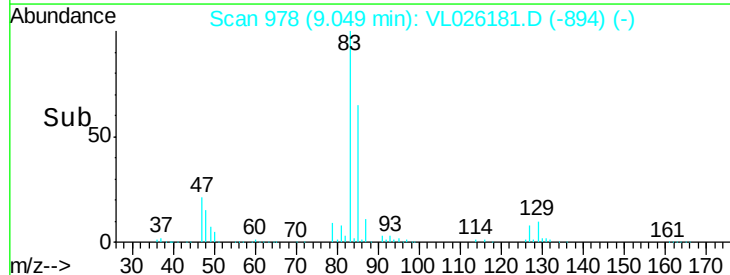
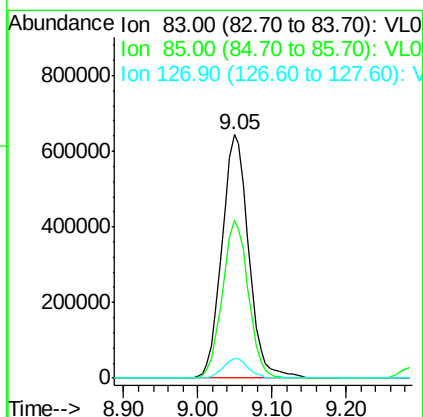
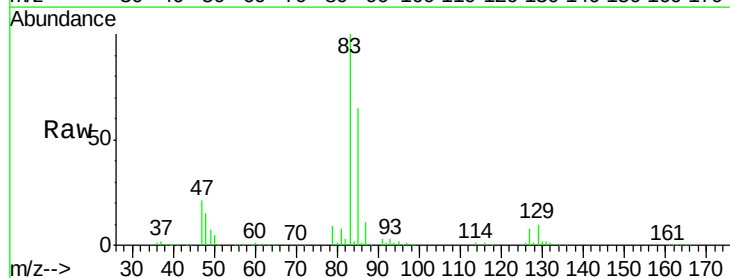
Instrument :
MSVOA_L
ClientSampleId :

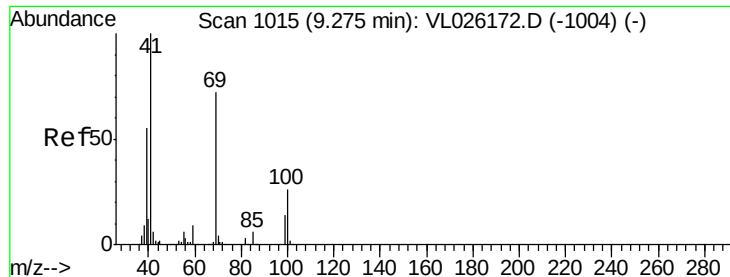
Tot Ion: 42 Resp: 757158
Ion Ratio Lower Upper
42 100
72 40.0 32.4 48.6
71 38.3 30.2 45.4



#42
Bromodichloromethane
Concen: 9.49 ppbv
RT: 9.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 83 Resp: 1613046
Ion Ratio Lower Upper
83 100
85 64.7 51.9 77.9
127 7.9 6.2 9.4

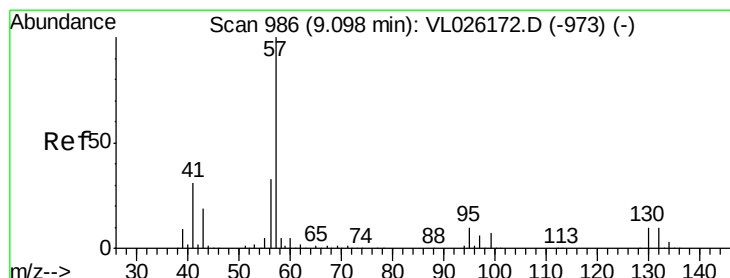
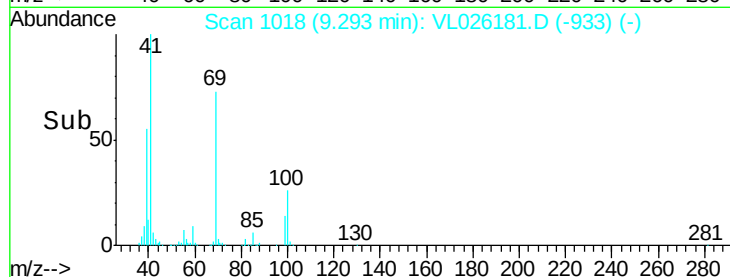
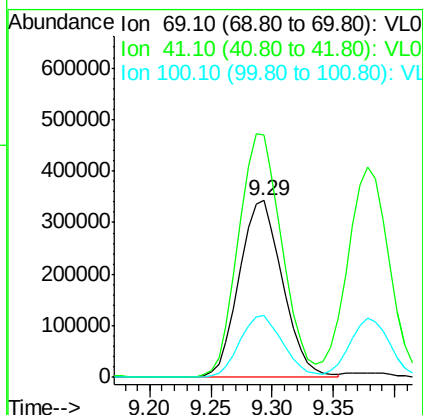
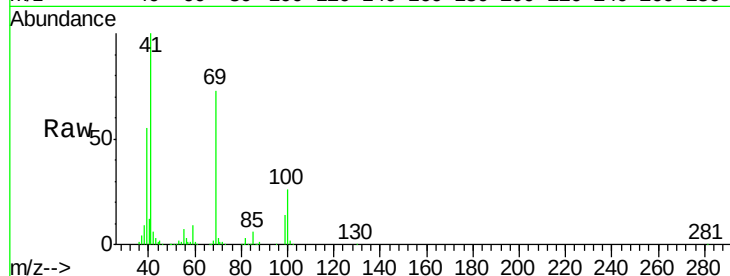




#43
Methyl Methacrylate
Concen: 10.00 ppbv
RT: 9.29 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

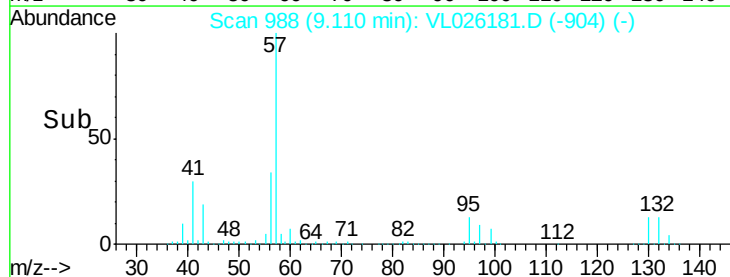
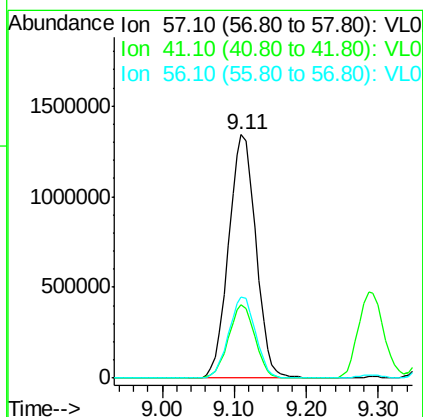
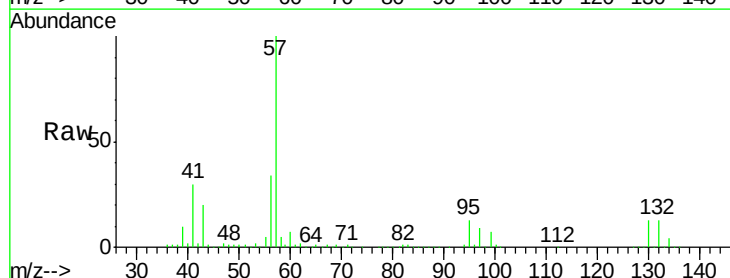
Instrument :
MSVOA_L
ClientSampled :

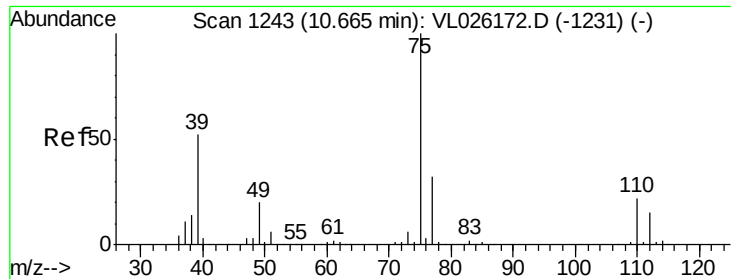
Tot Ion: 69 Resp: 849024
Ion Ratio Lower Upper
69 100
41 138.7 111.5 167.3
100 35.0 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 8.82 ppbv
RT: 9.11 min Scan# 988
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 57 Resp: 3536851
Ion Ratio Lower Upper
57 100
41 29.2 23.7 35.5
56 32.7 26.4 39.6

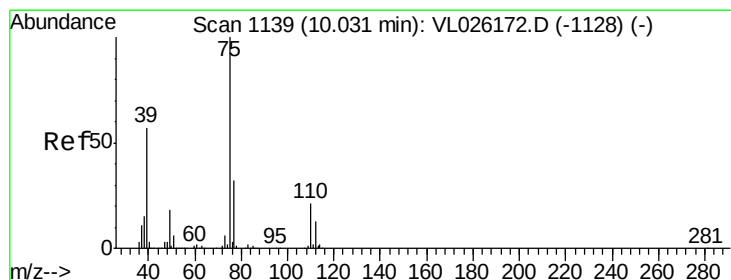
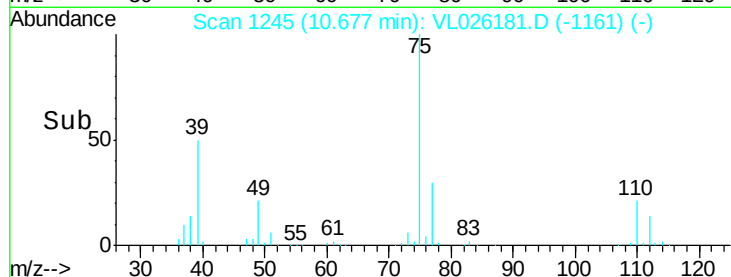
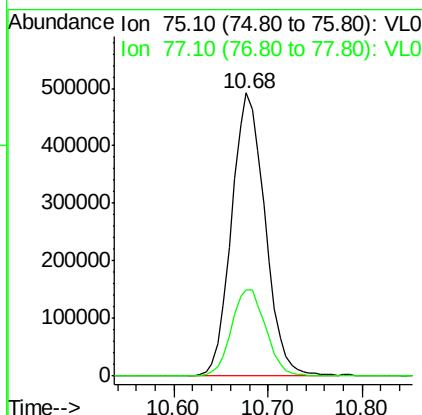
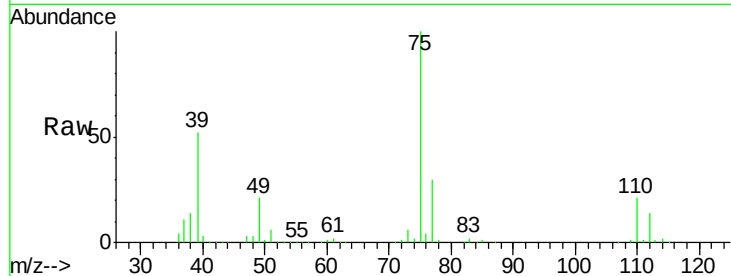




#45
 t-1,3-Dichloropropene
 Concen: 10.44 ppbv
 RT: 10.68 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

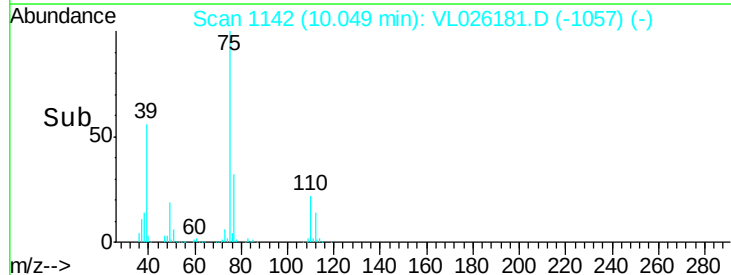
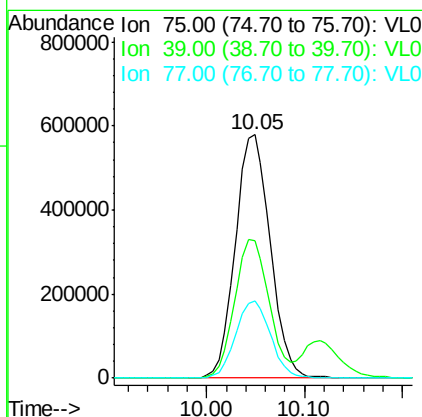
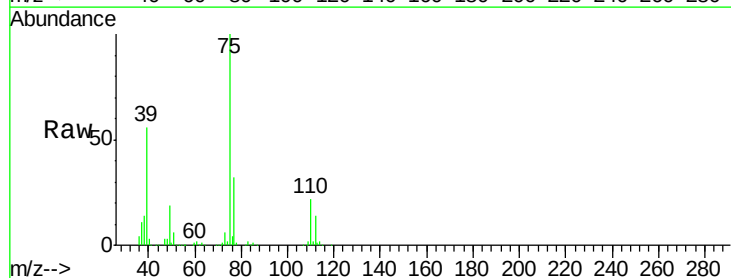
Instrument :
 MSVOA_L
 ClientSampled :

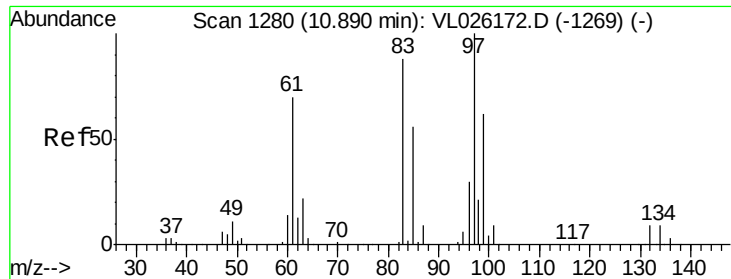
Tot Ion: 75 Resp: 1220762
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.03 ppbv
 RT: 10.05 min Scan# 1142
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion: 75 Resp: 1439402
 Ion Ratio Lower Upper
 75 100
 39 56.5 45.4 68.2
 77 31.8 25.4 38.2



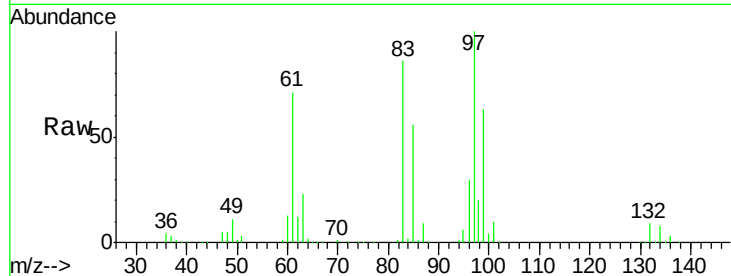


#47
 1,1,2-Trichloroethane
 Concen: 8.91 ppbv
 RT: 10.91 min Scan# 1283
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

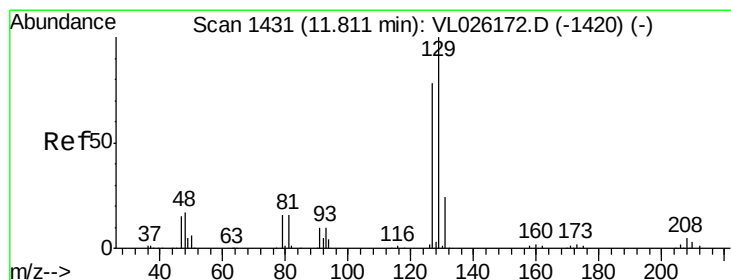
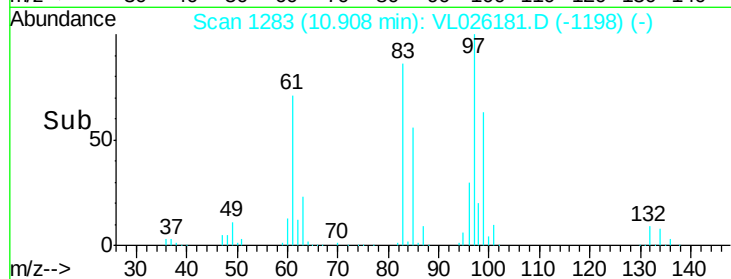
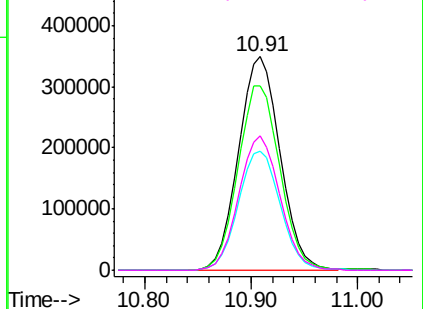
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 957807

Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.6	106.0
85	55.8	45.1	67.7
99	63.0	49.9	74.9



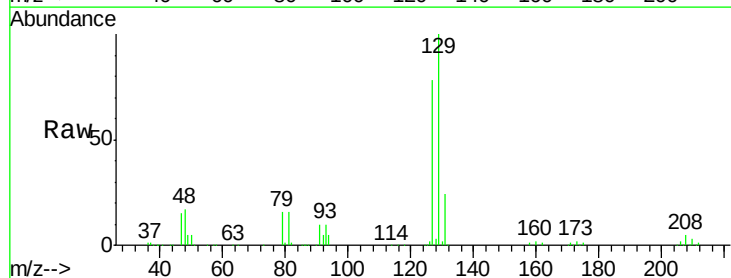
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



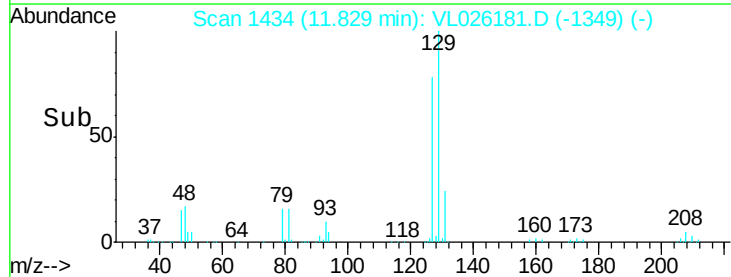
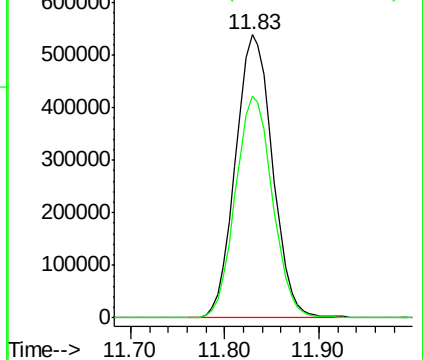
#48
 Dibromochloromethane
 Concen: 9.74 ppbv
 RT: 11.83 min Scan# 1434
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

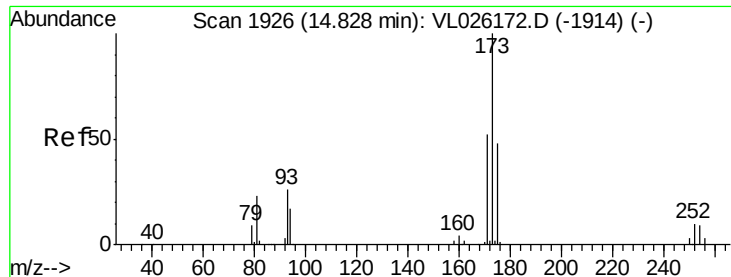
Tgt Ion: 129 Resp: 1484072

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.0	117.0



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





#49

Bromoform

Concen: 10.24 ppbv

RT: 14.85 min Scan# 1929

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

ClientSampleId :

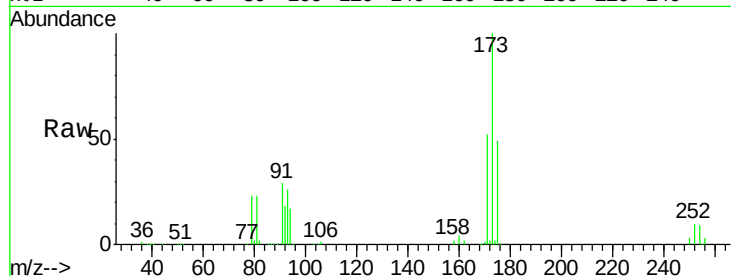
Tot Ion:173 Resp: 1174719

Ion Ratio Lower Upper

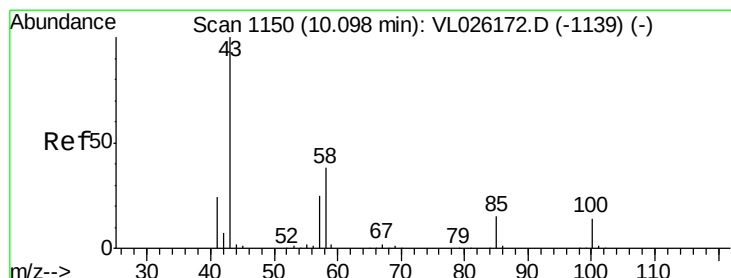
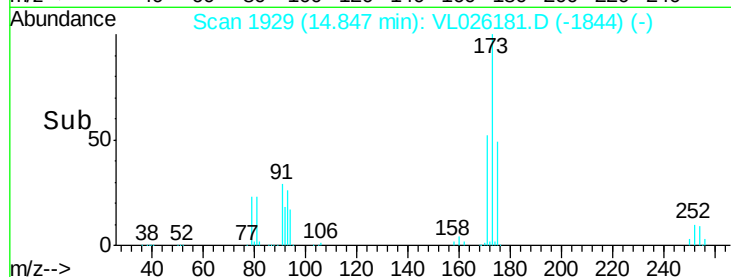
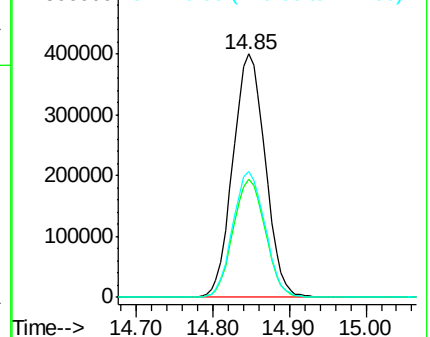
173 100

175 48.5 39.0 58.6

171 51.6 41.9 62.9



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.65 ppbv

RT: 10.12 min Scan# 1153

Delta R.T. 0.02 min

Lab File: VL026181.D

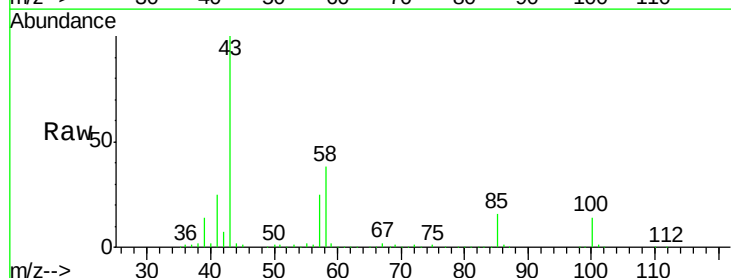
Acq: 9 Oct 2015 18:11

Tgt Ion: 43 Resp: 1790738

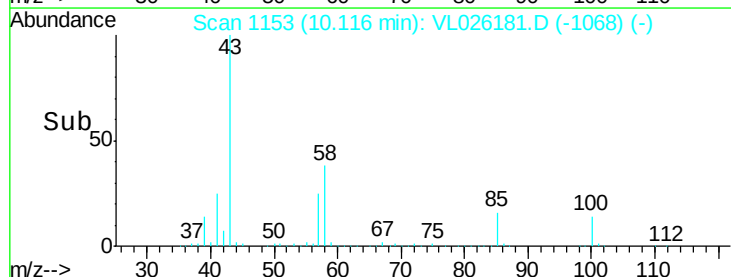
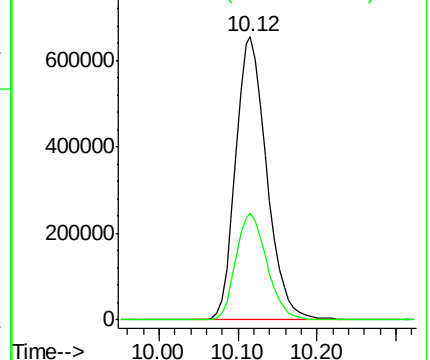
Ion Ratio Lower Upper

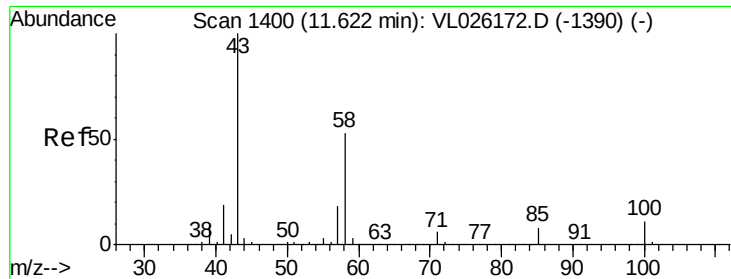
43 100

58 38.1 30.4 45.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.13 ppbv

RT: 11.65 min Scan# 1404

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

ClientSampleId :

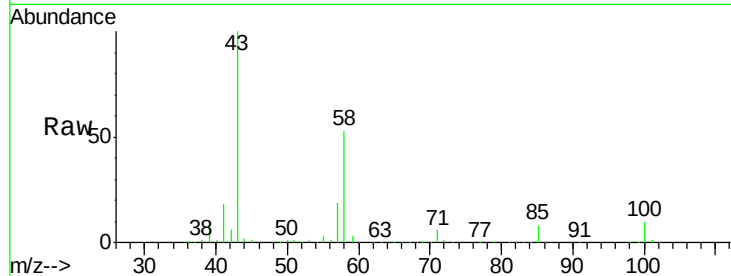
Tot Ion: 43 Resp: 1689770

Ion Ratio Lower Upper

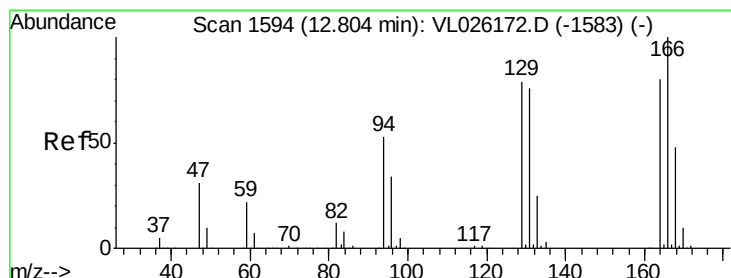
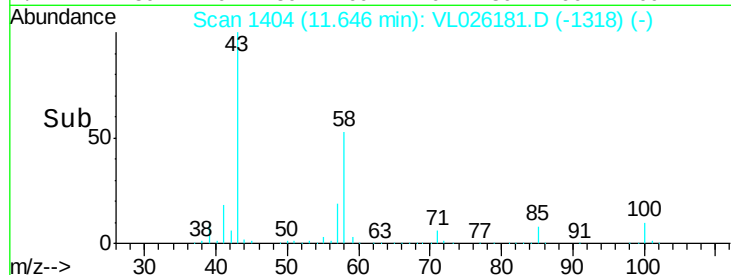
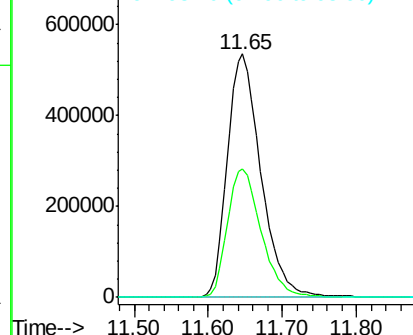
43 100

58 53.2 42.2 63.4

98 0.3 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 7.79 ppbv

RT: 12.82 min Scan# 1597

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Tgt Ion:164 Resp: 928359

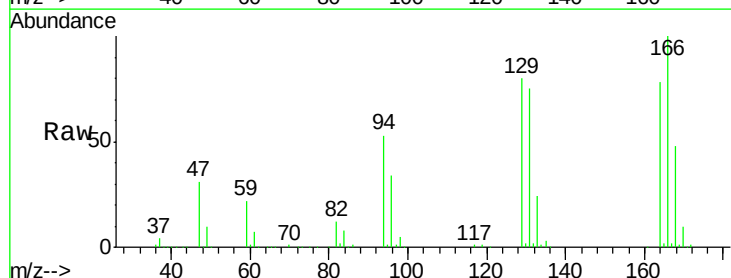
Ion Ratio Lower Upper

164 100

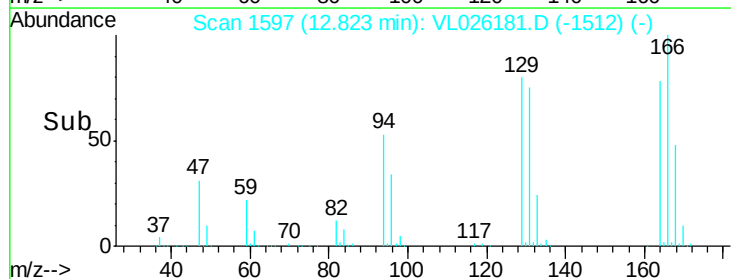
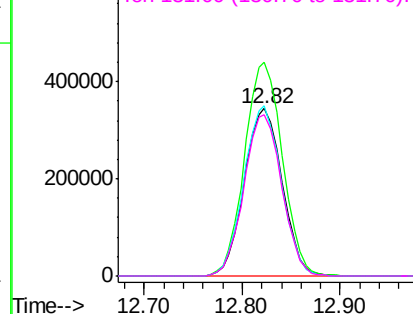
166 127.5 99.9 149.9

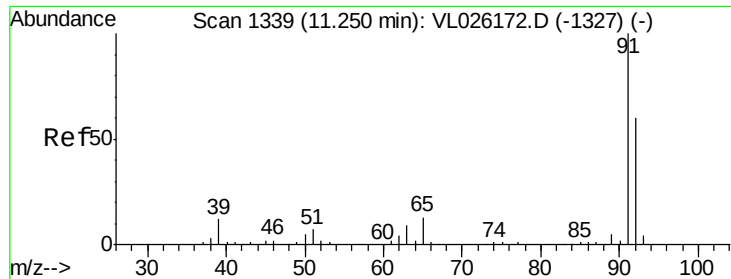
129 101.8 79.1 118.7

131 96.2 76.3 114.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.20 ppbv

RT: 11.26 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

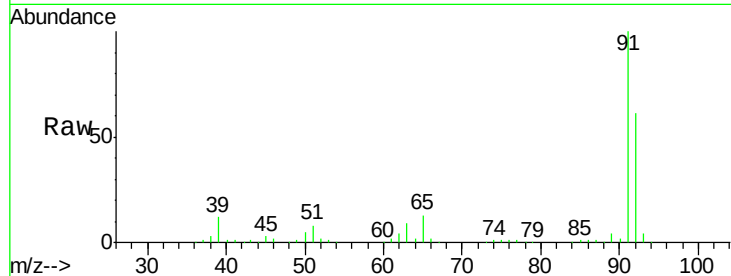
ClientSampled :

Tot Ion: 91 Resp: 2858493

Ion Ratio Lower Upper

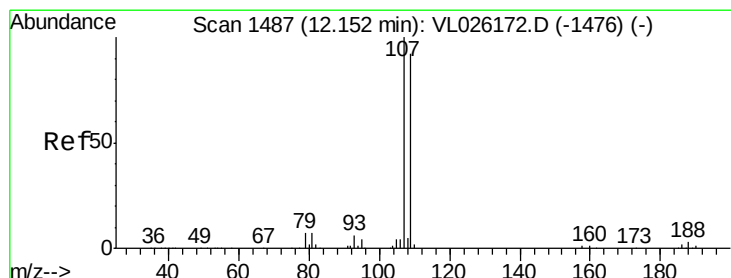
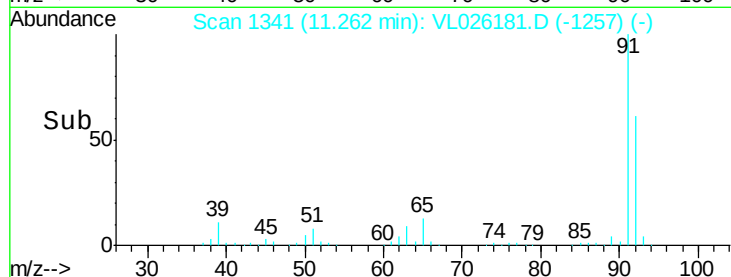
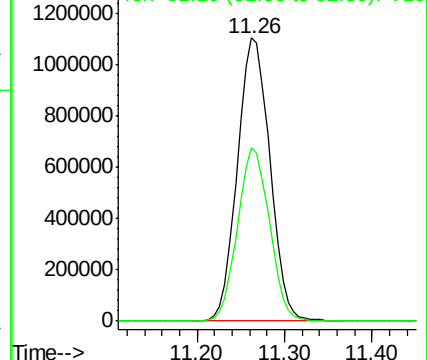
91 100

92 60.5 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.07 ppbv

RT: 12.17 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VL026181.D

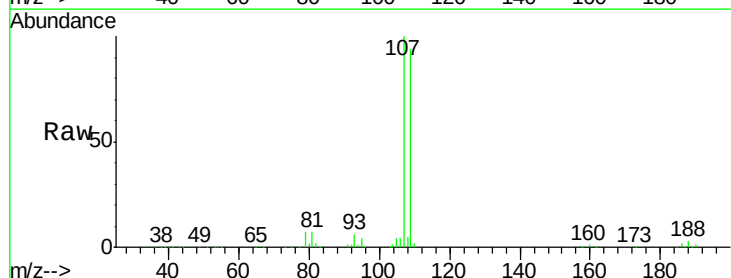
Acq: 9 Oct 2015 18:11

Tgt Ion: 107 Resp: 1461612

Ion Ratio Lower Upper

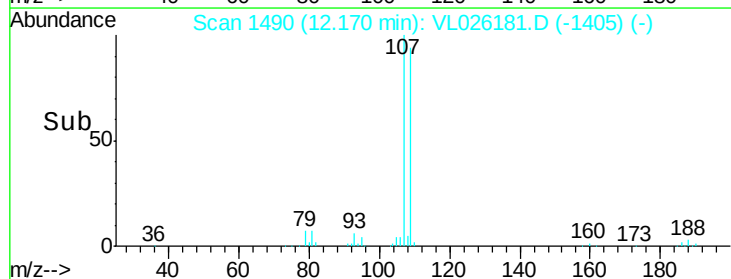
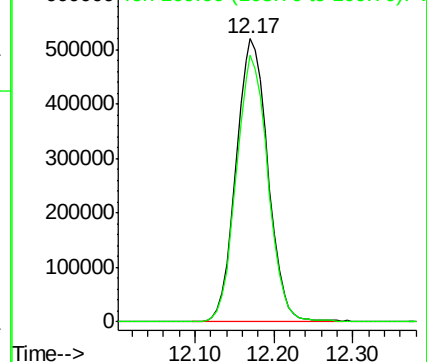
107 100

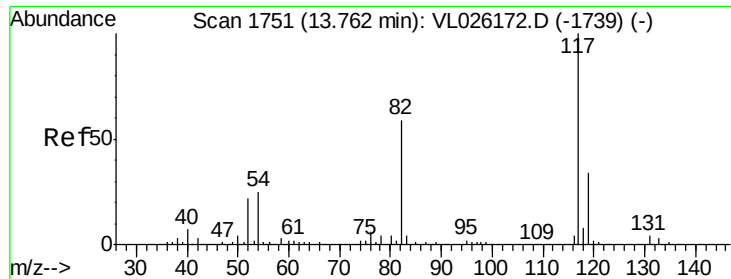
109 94.3 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

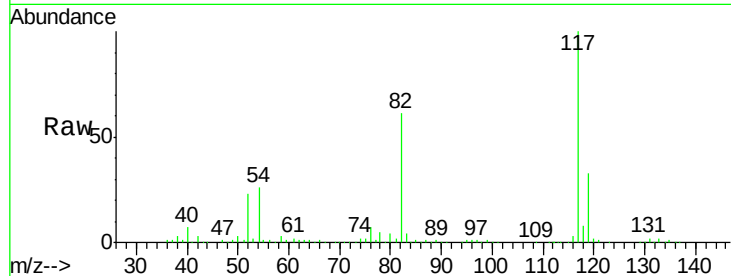




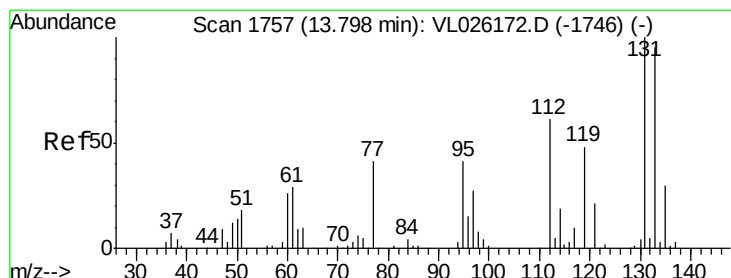
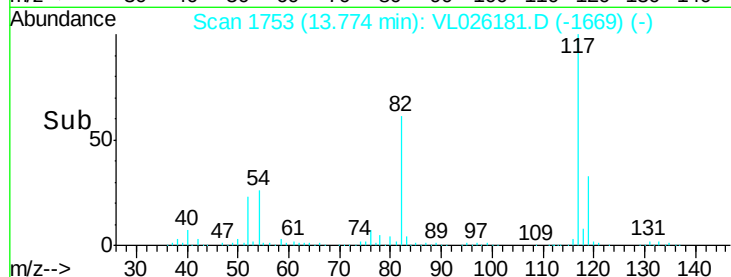
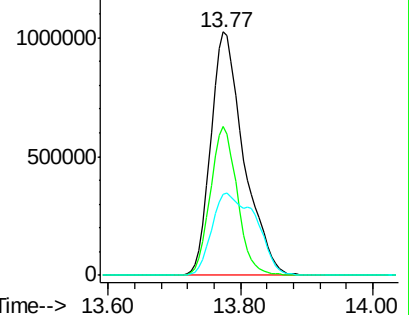
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3543809
Ion Ratio Lower Upper
117 100
82 50.5 47.7 71.5
119 45.4 43.7 65.5

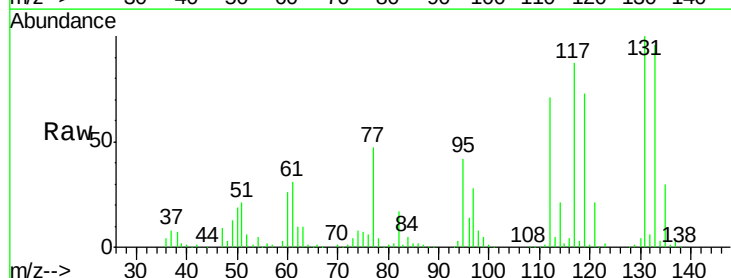


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

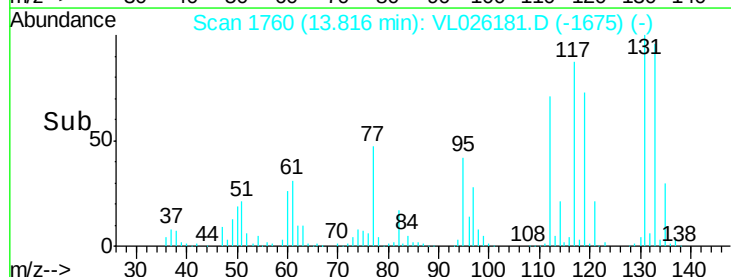
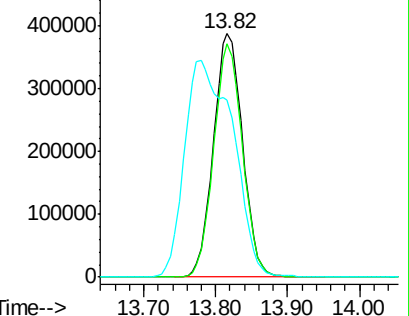


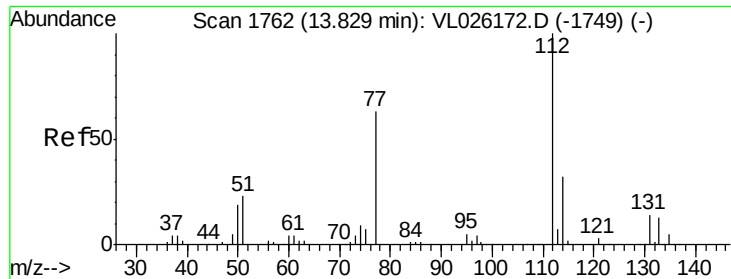
#56
1,1,1,2-Tetrachloroethane
Concen: 7.67 ppbv
RT: 13.82 min Scan# 1760
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion:131 Resp: 1089857
Ion Ratio Lower Upper
131 100
133 94.8 76.5 114.7
119 147.7 116.0 174.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

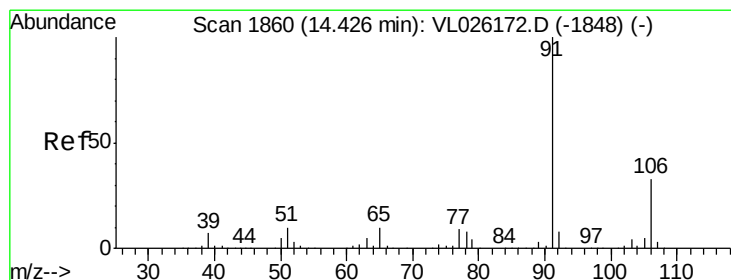
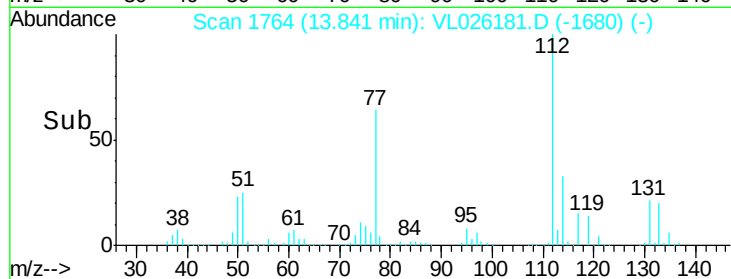
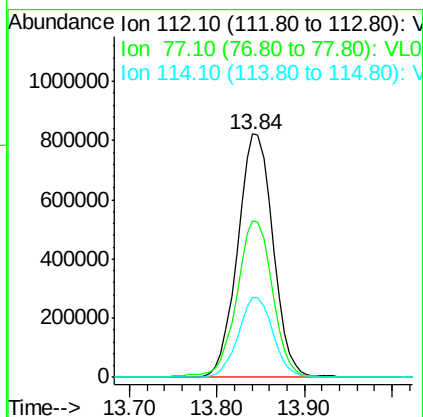
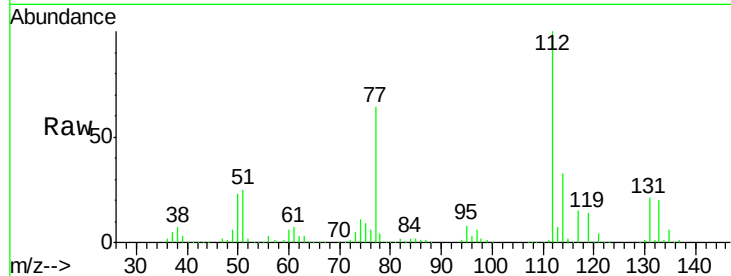




#57
Chlorobenzene
Concen: 7.24 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

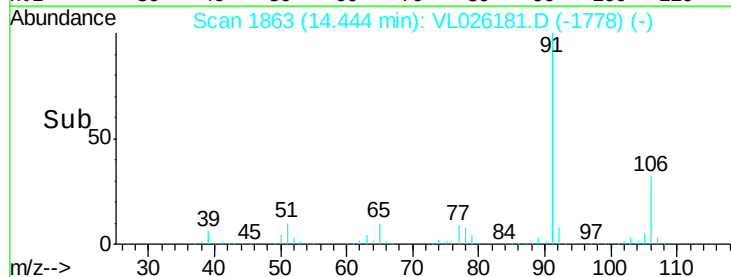
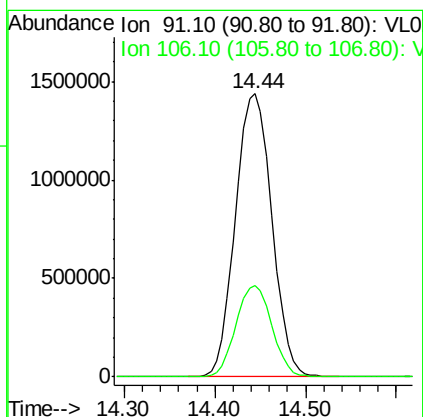
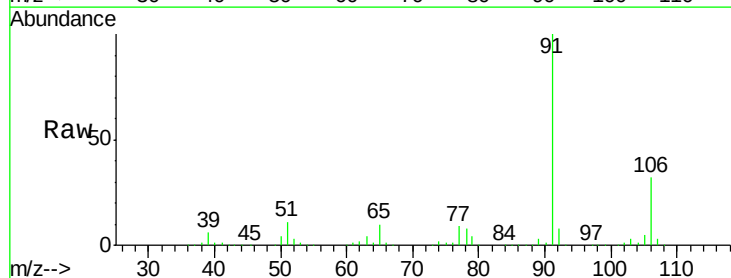
Instrument :
MSVOA_L
ClientSampleId :

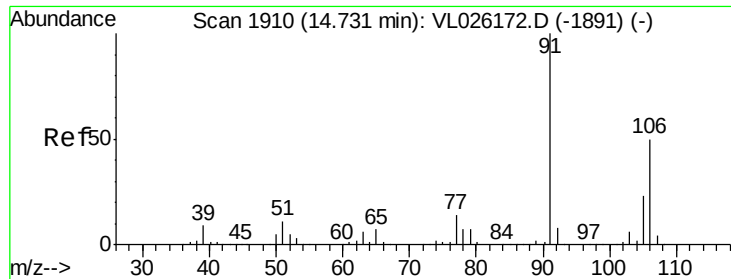
Tot Ion:112 Resp: 2314700
Ion Ratio Lower Upper
112 100
77 63.9 51.0 76.4
114 32.5 29.0 35.4



#58
Ethyl Benzene
Concen: 7.80 ppbv
RT: 14.44 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 91 Resp: 4016156
Ion Ratio Lower Upper
91 100
106 32.1 26.1 39.1

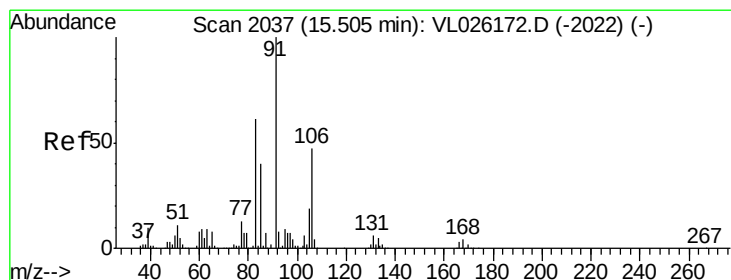
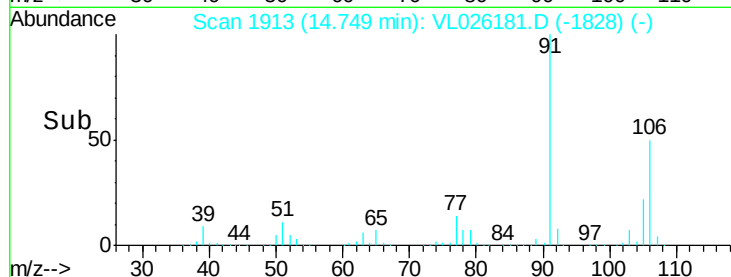
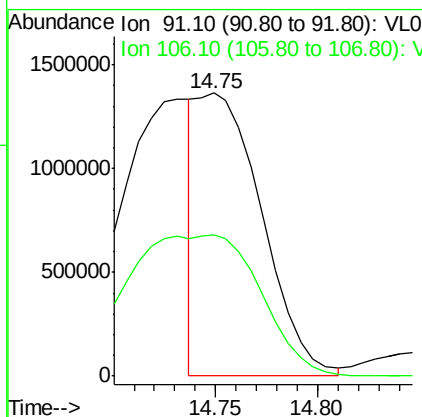
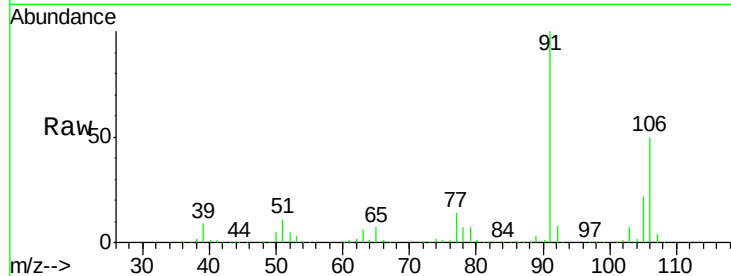




#59
m/p-Xylene
Concen: 7.19 ppbv
RT: 14.75 min Scan# 1913
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

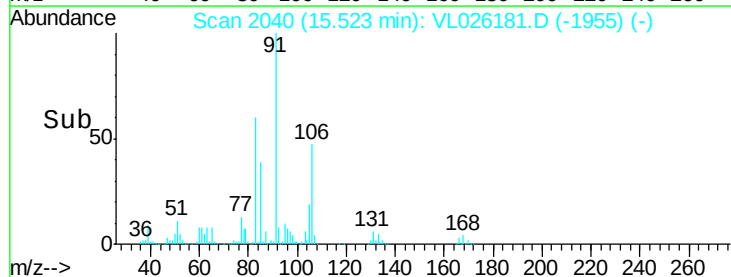
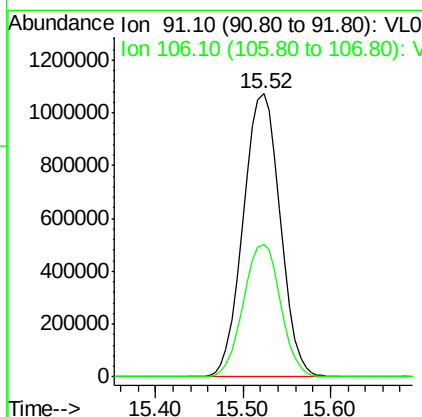
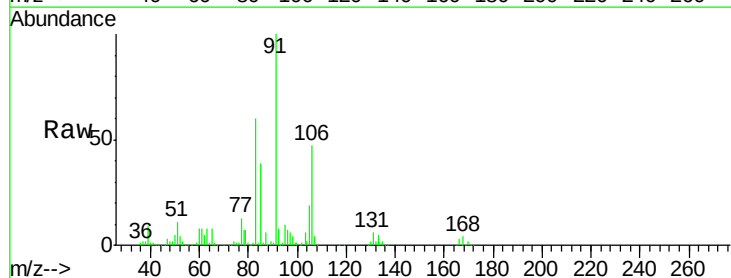
Instrument :
MSVOA_L
ClientSampled :

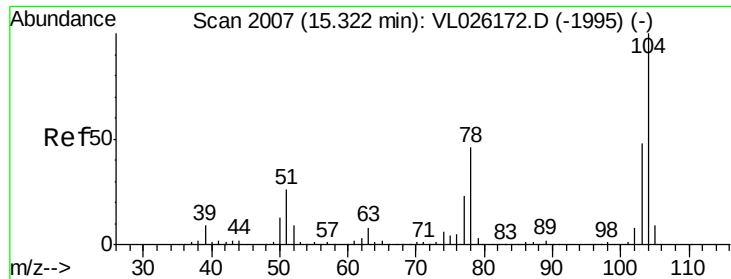
Tot Ion: 91 Resp: 2968673
Ion Ratio Lower Upper
91 100
106 105.5 40.2 60.4#



#60
o-Xylene
Concen: 7.30 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. 0.02 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion: 91 Resp: 3159571
Ion Ratio Lower Upper
91 100
106 47.3 23.4 70.3





#61

Stvrene

Concen: 8.56 ppbv

RT: 15.34 min Scan# 2010

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

ClientSampleId :

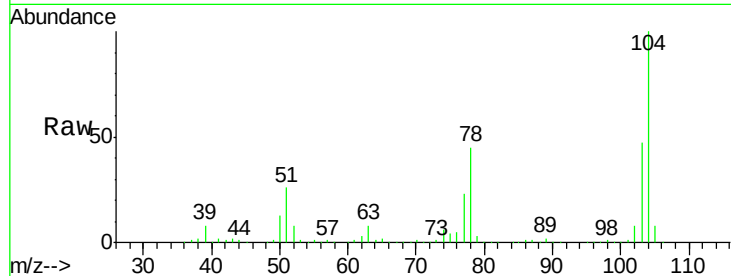
Tot Ion:104 Resp: 1516433

Ion Ratio Lower Upper

104 100

78 45.4 36.1 54.1

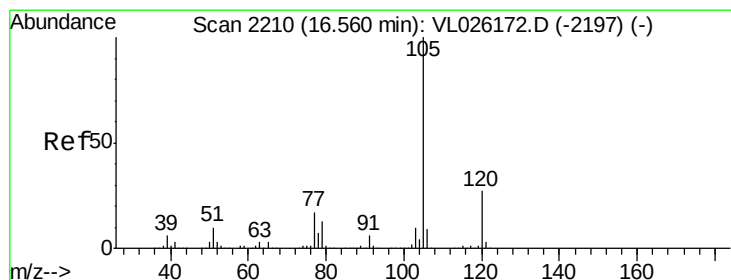
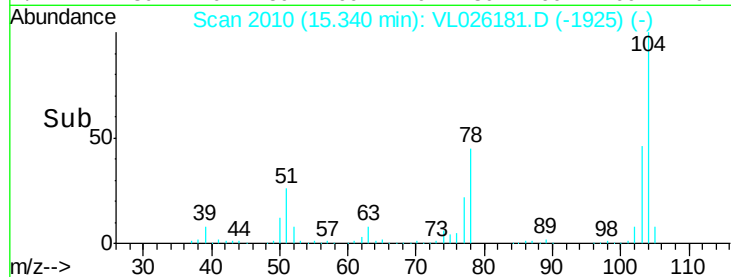
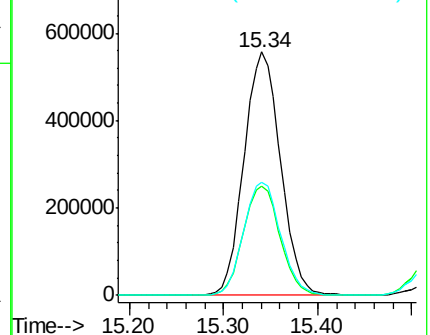
103 47.1 37.5 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.64 ppbv

RT: 16.58 min Scan# 2213

Delta R.T. 0.02 min

Lab File: VL026181.D

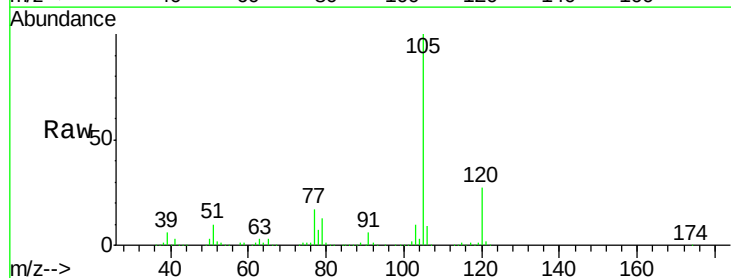
Acq: 9 Oct 2015 18:11

Tgt Ion:105 Resp: 4362169

Ion Ratio Lower Upper

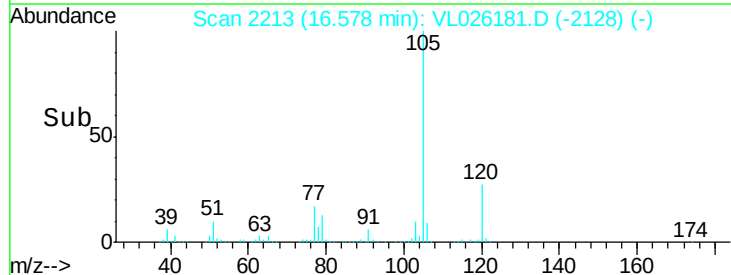
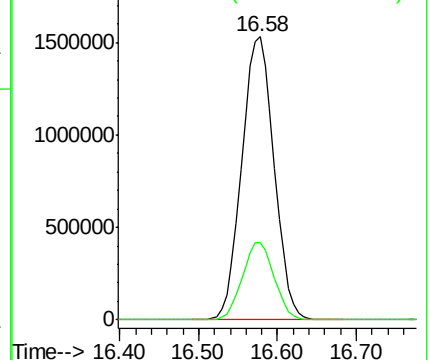
105 100

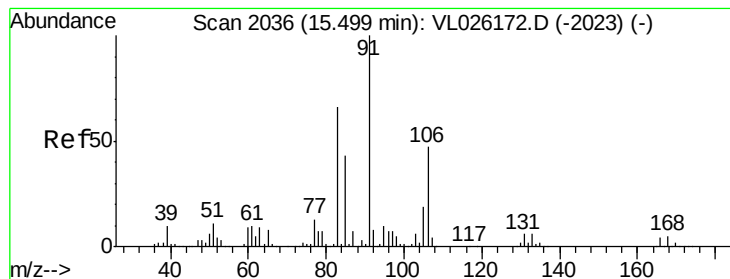
120 27.0 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.54 ppbv

RT: 15.52 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

ClientSampled :

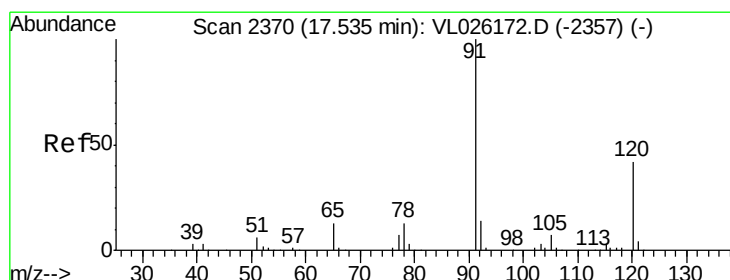
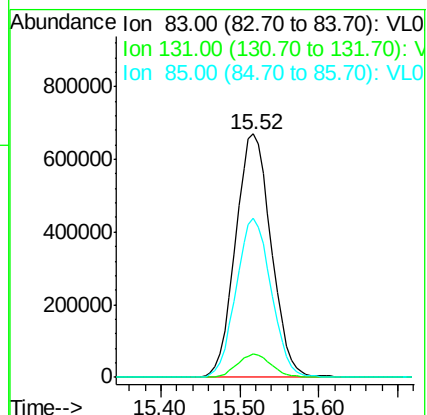
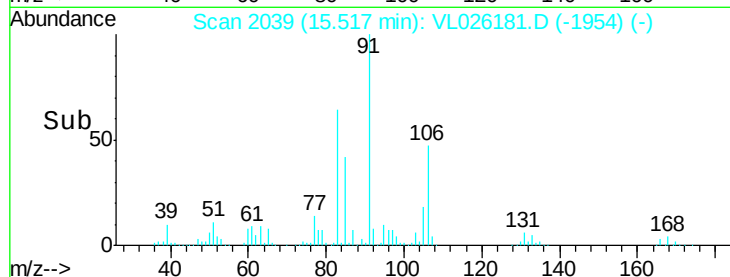
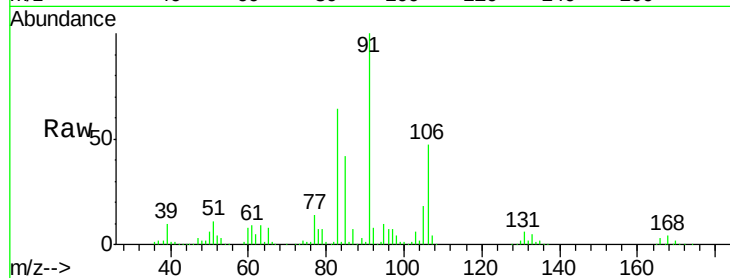
Tot Ion: 83 Resp: 2104680

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

85 64.7 32.6 97.7



#64

n-propylbenzene

Concen: 7.76 ppbv

RT: 17.55 min Scan# 2373

Delta R.T. 0.02 min

Lab File: VL026181.D

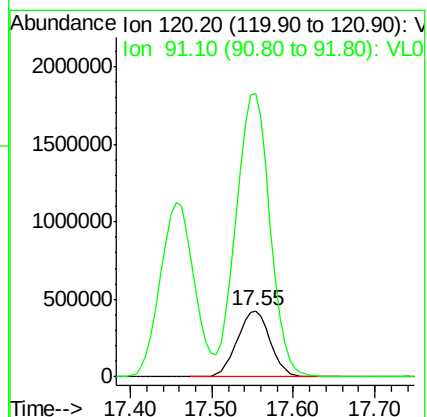
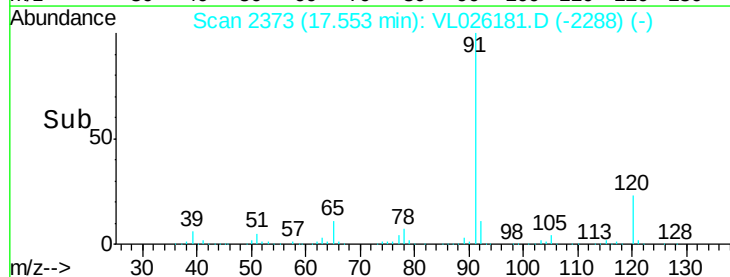
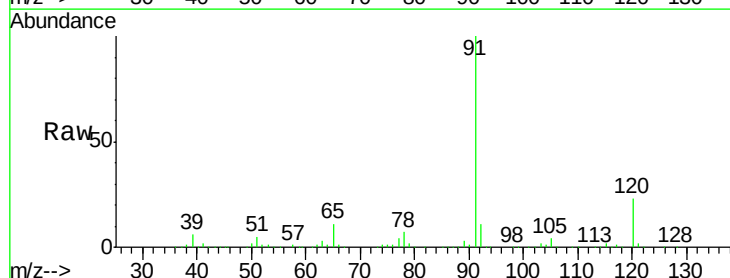
Acq: 9 Oct 2015 18:11

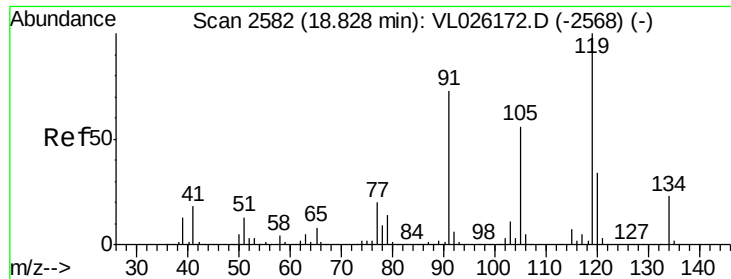
Tgt Ion:120 Resp: 1191882

Ion Ratio Lower Upper

120 100

91 439.7 353.4 530.2

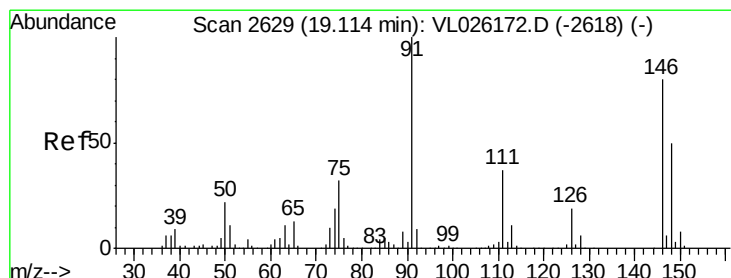
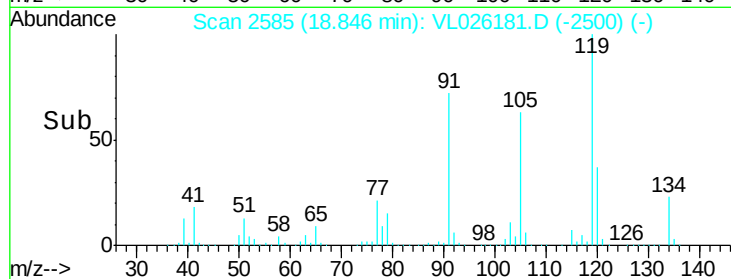
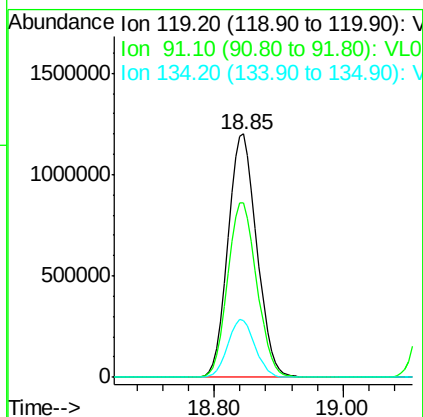
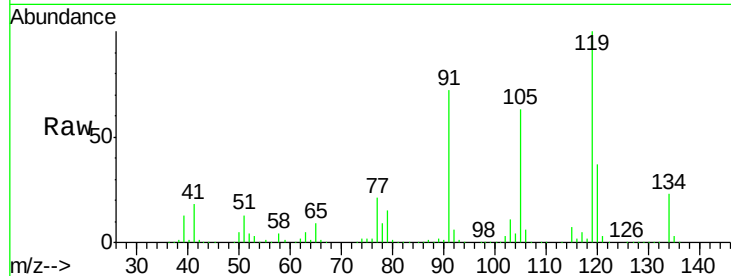




#65
 tert-Butylbenzene
 Concen: 7.44 ppbv
 RT: 18.85 min Scan# 2585
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

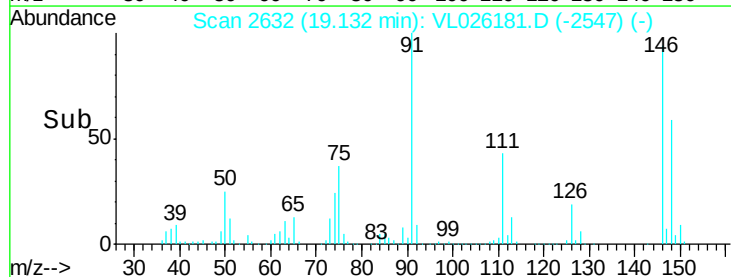
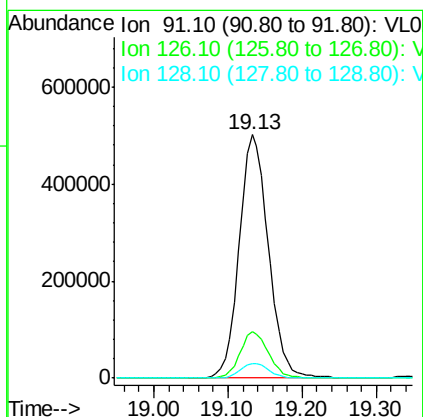
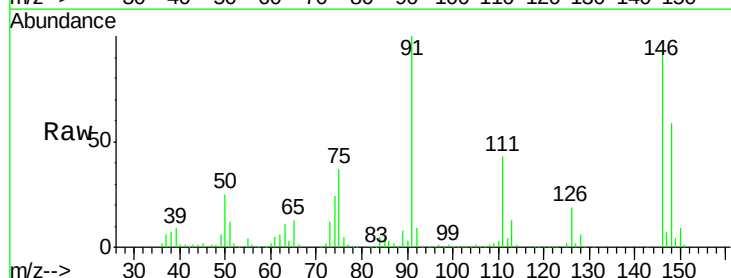
Instrument :
 MSVOA_L
 ClientSampleId :

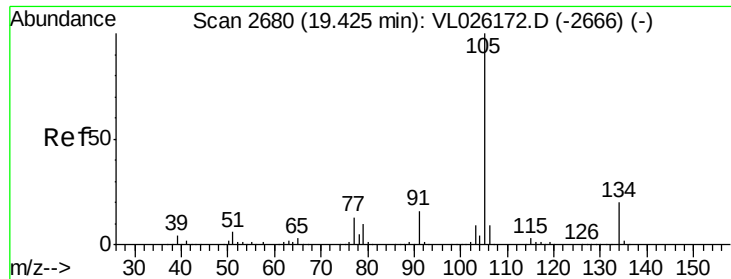
Tot Ion:119 Resp: 3746306
 Ion Ratio Lower Upper
 119 100
 91 72.8 58.5 87.7
 134 22.6 18.0 27.0



#66
 Benzyl Chloride
 Concen: 9.19 ppbv
 RT: 19.13 min Scan# 2632
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion: 91 Resp: 1374190
 Ion Ratio Lower Upper
 91 100
 126 18.7 15.2 22.8
 128 6.0 4.8 7.2





#67

sec-Butylbenzene

Concen: 7.64 ppbv

RT: 19.44 min Scan# 2683

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

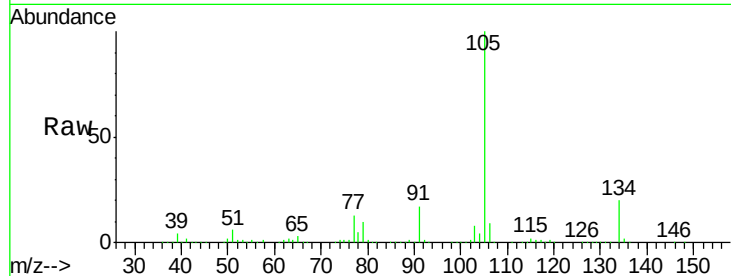
ClientSampleId :

Tot Ion:105 Resp: 5365038

Ion Ratio Lower Upper

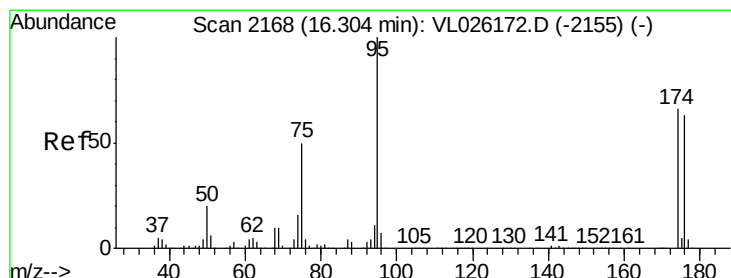
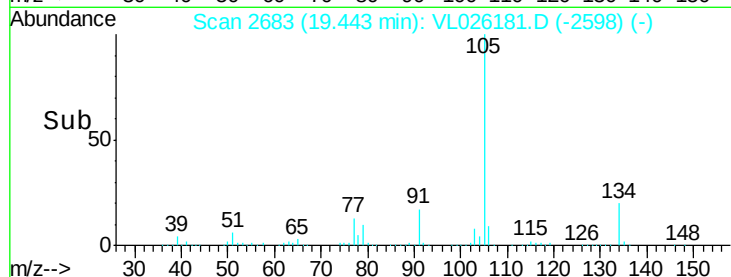
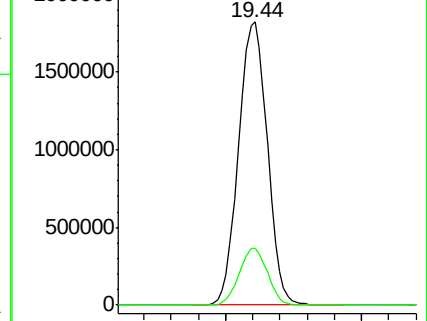
105 100

134 19.7 15.9 23.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.41 ppbv

RT: 16.32 min Scan# 2171

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

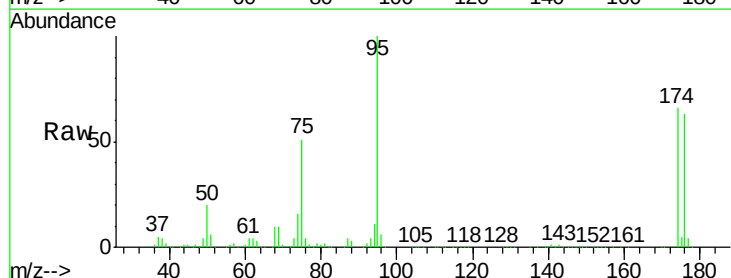
Tgt Ion: 95 Resp: 2288583

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.4

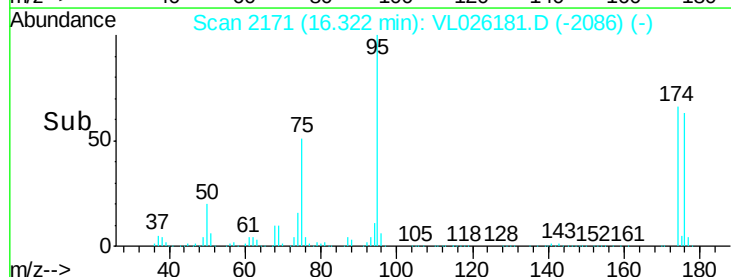
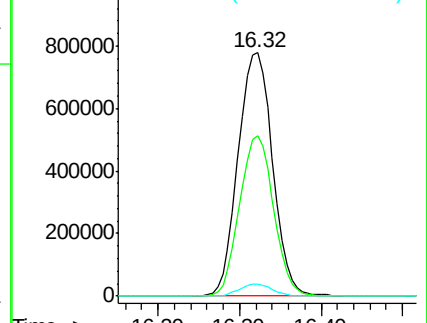
175 4.8 3.9 5.9

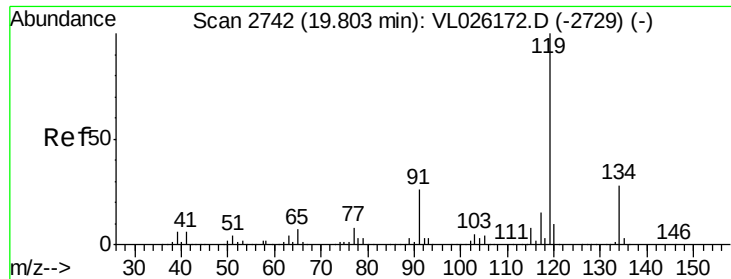


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

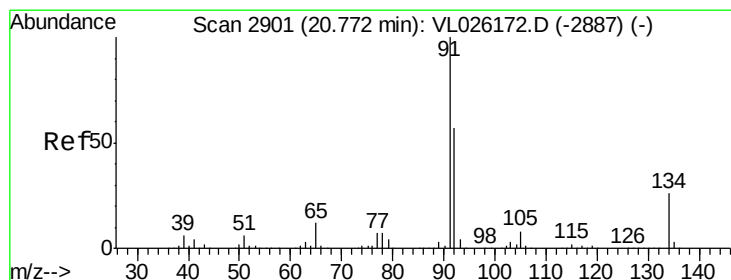
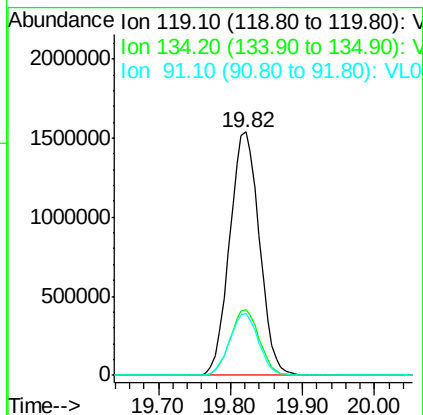
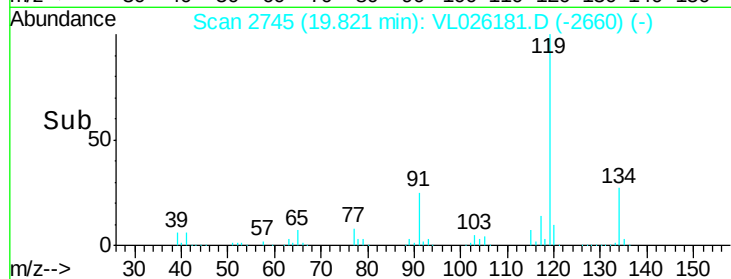
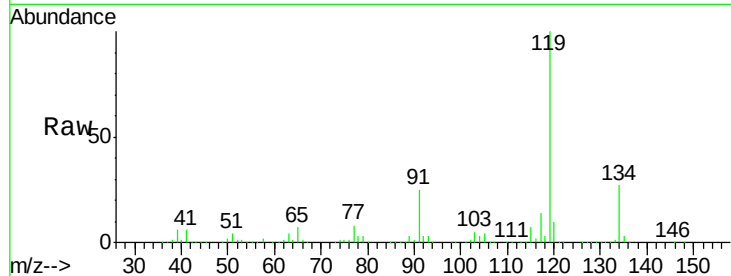




#69
 p-Isopropyltoluene
 Concen: 7.85 ppbv
 RT: 19.82 min Scan# 2745
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

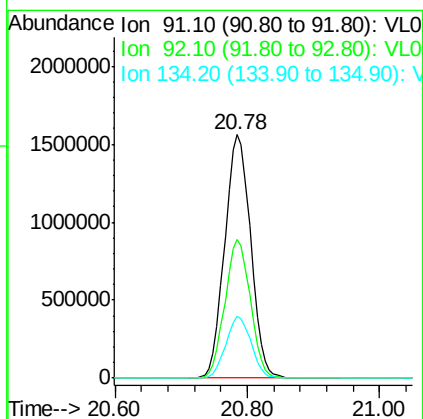
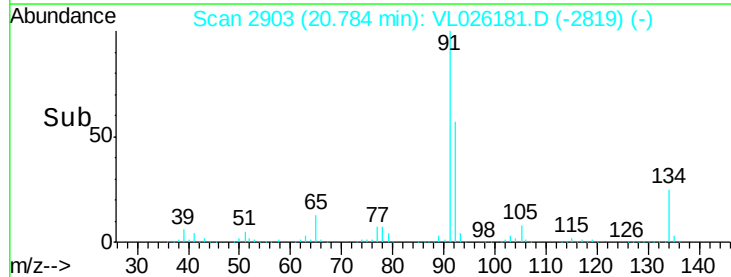
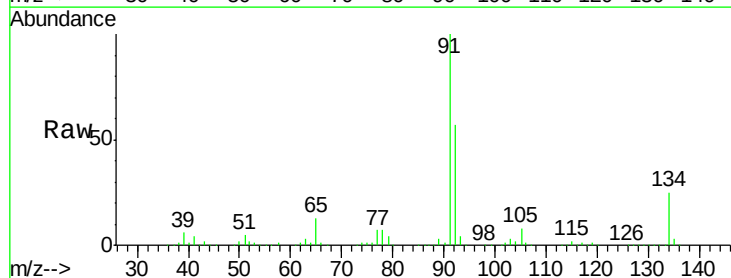
Instrument :
 MSVOA_L
 ClientSampleId :

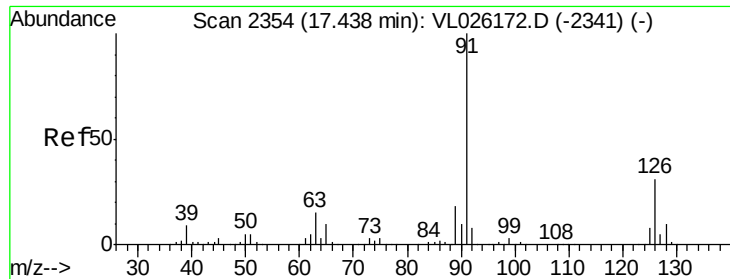
Tot Ion:119 Resp: 4407676
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.4 32.0
 91 24.7 19.9 29.9



#70
 n-Butylbenzene
 Concen: 7.86 ppbv
 RT: 20.78 min Scan# 2903
 Delta R.T. 0.01 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion: 91 Resp: 4232242
 Ion Ratio Lower Upper
 91 100
 92 55.8 45.0 67.6
 134 24.8 19.8 29.8





#71

2-Chlorotoluene

Concen: 7.89 ppbv

RT: 17.46 min Scan# 2357

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Instrument :

MSVOA_L

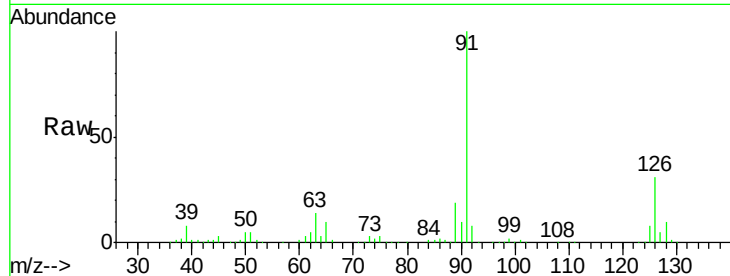
ClientSampled :

Tot Ion: 91 Resp: 3286434

Ion Ratio Lower Upper

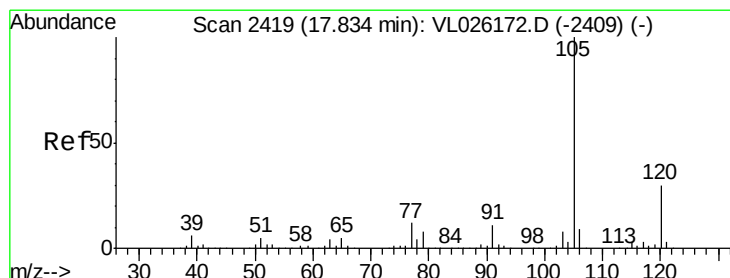
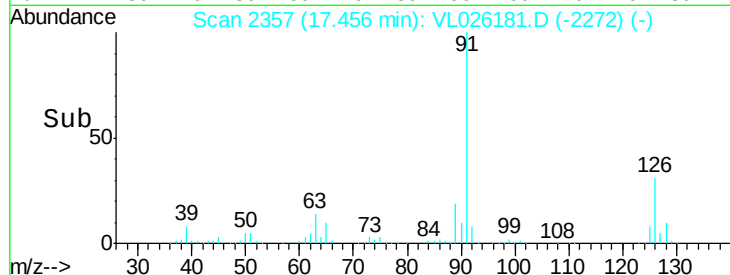
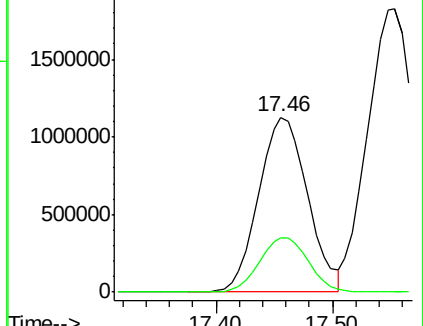
91 100

126 31.1 12.8 51.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.95 ppbv

RT: 17.85 min Scan# 2422

Delta R.T. 0.02 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Tgt Ion:105 Resp: 3670636

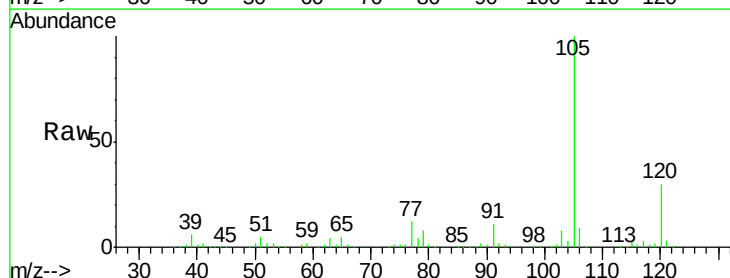
Ion Ratio Lower Upper

105 100

120 30.9 24.7 37.1

91 11.7 9.2 13.8

77 12.4 9.8 14.8

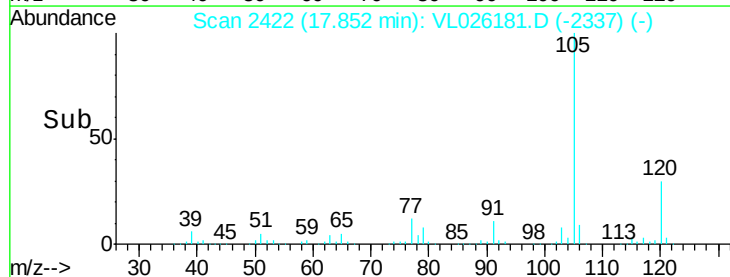
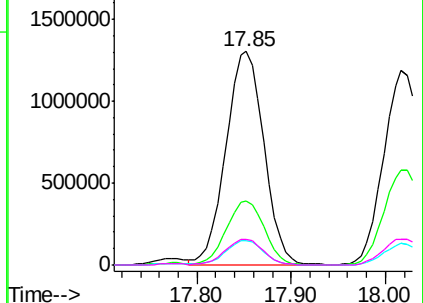


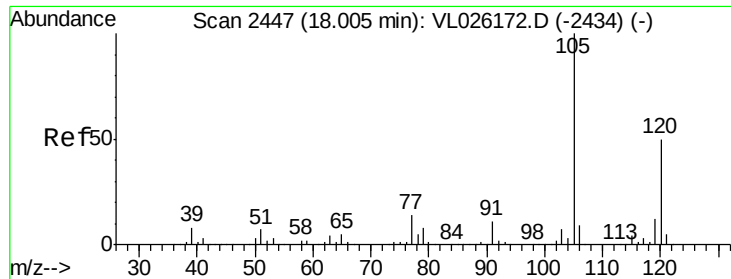
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

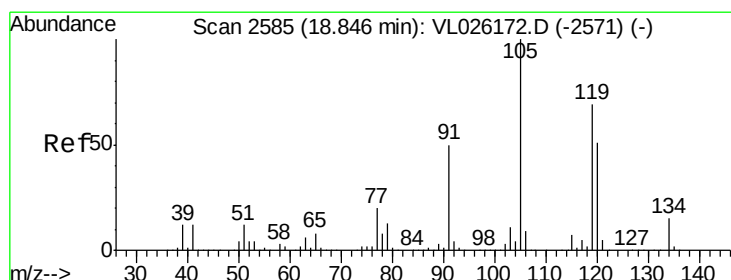
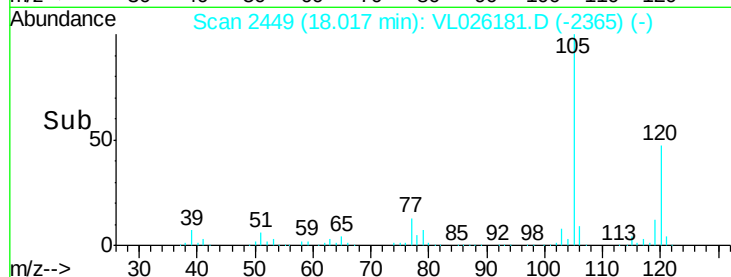
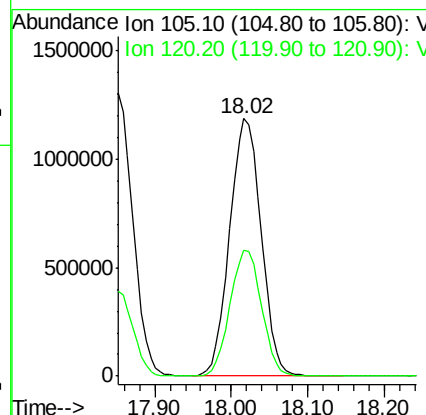
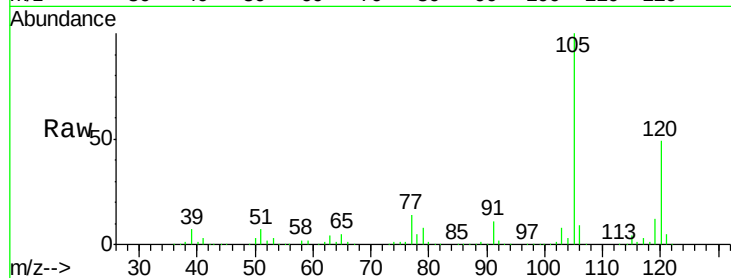




#73
 1,3,5-Trimethylbenzene
 Concen: 7.79 ppbv
 RT: 18.02 min Scan# 2449
 Delta R.T. 0.01 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

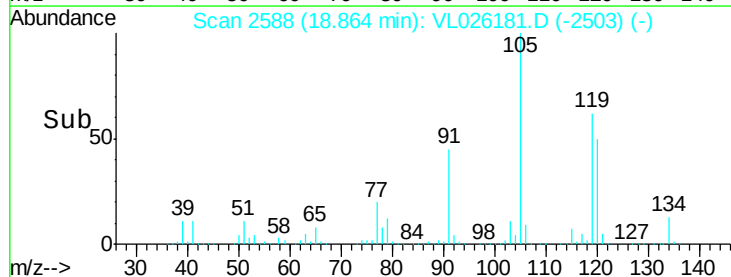
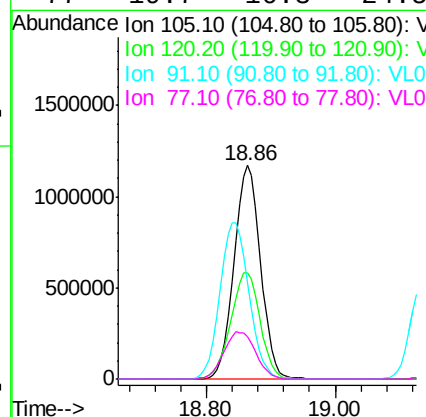
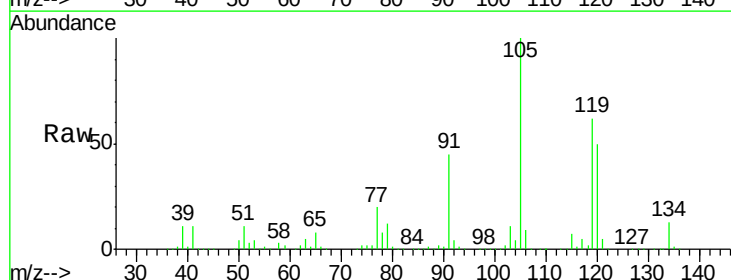
Instrument :
 MSVOA_L
 ClientSampled :

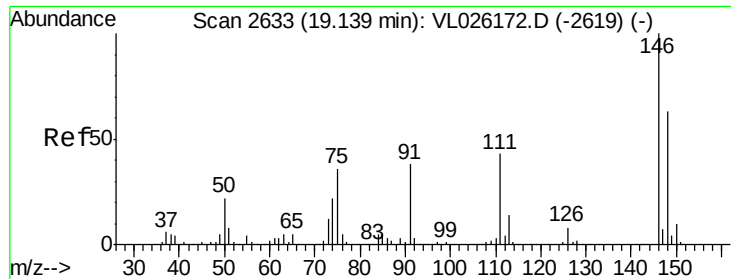
Tot Ion:105 Resp: 3379813
 Ion Ratio Lower Upper
 105 100
 120 48.6 40.1 60.1



#74
 1,2,4-Trimethylbenzene
 Concen: 7.38 ppbv
 RT: 18.86 min Scan# 2588
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion:105 Resp: 3360664
 Ion Ratio Lower Upper
 105 100
 120 49.9 41.1 61.7
 91 44.8 39.8 59.6
 77 19.7 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 7.45 ppbv

RT: 19.15 min Scan# 2635

Delta R.T. 0.01 min

Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

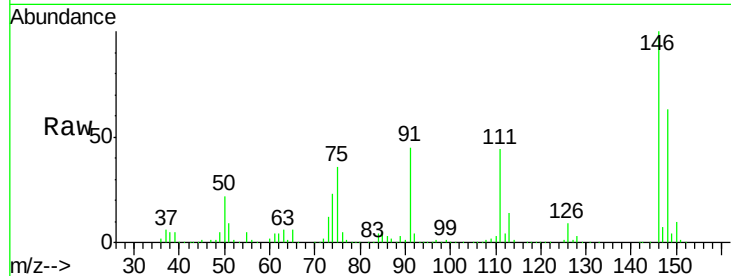
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2168971

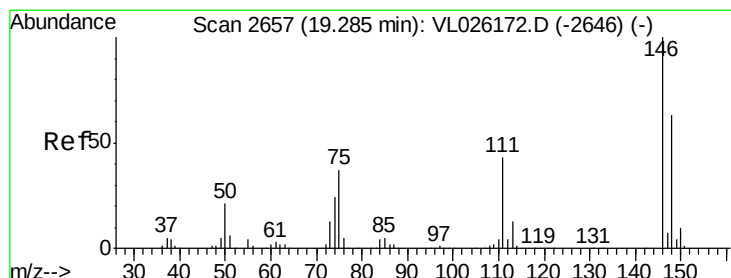
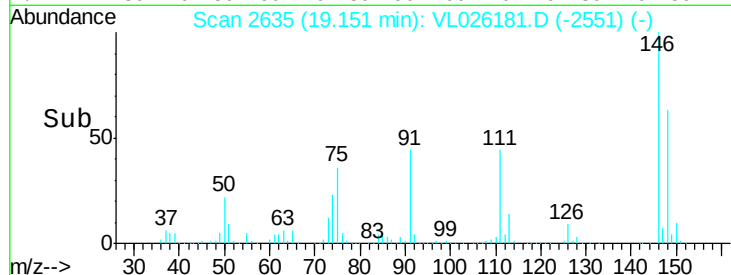
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	63.2	31.9	95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.58 ppbv

RT: 19.30 min Scan# 2660

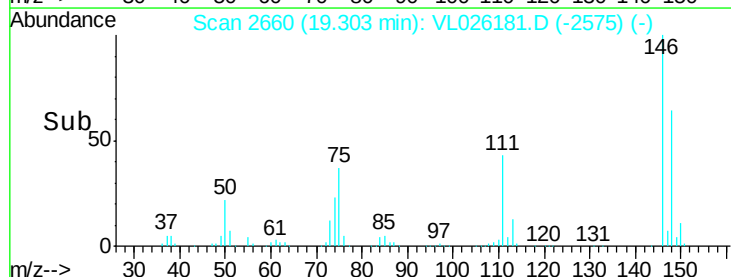
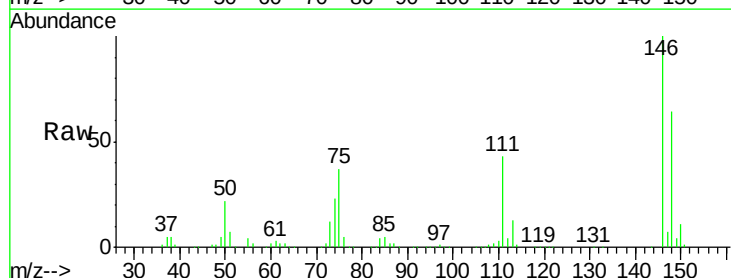
Delta R.T. 0.02 min

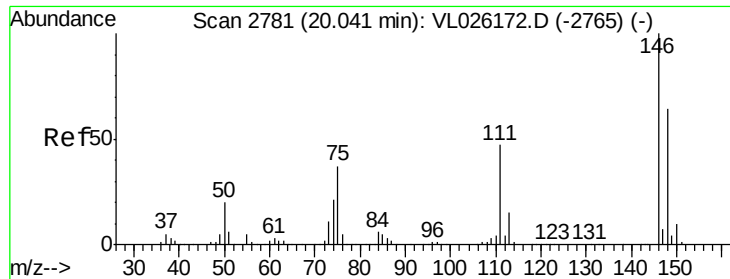
Lab File: VL026181.D

Acq: 9 Oct 2015 18:11

Tgt Ion:146 Resp: 2226803

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.5	31.6	94.8

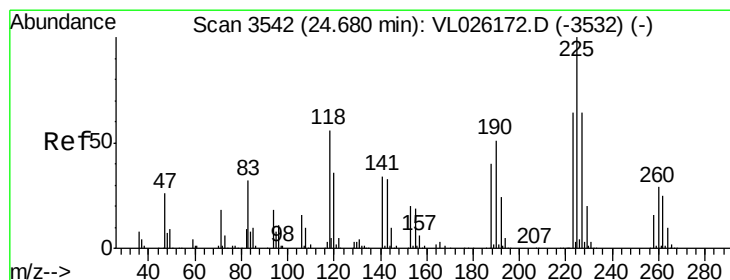
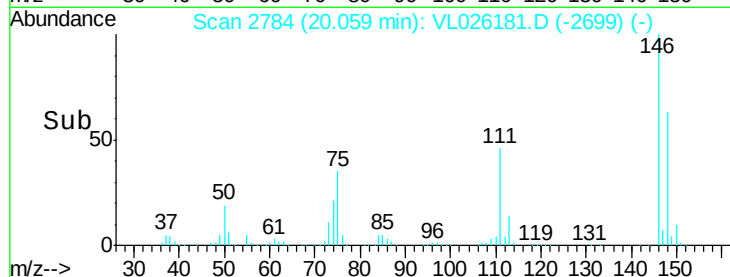
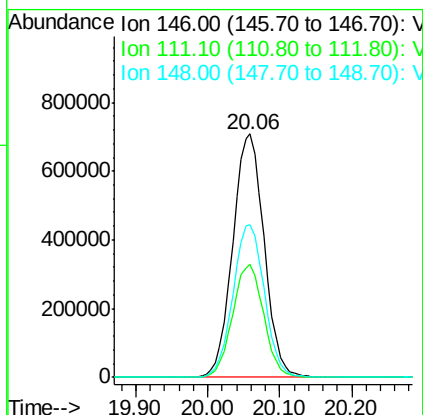
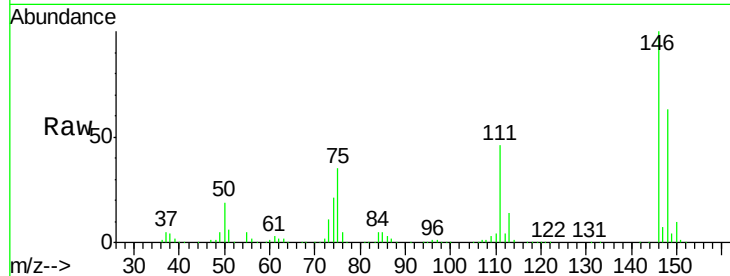




#77
 1,2-Dichlorobenzene
 Concen: 7.53 ppbv
 RT: 20.06 min Scan# 2784
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

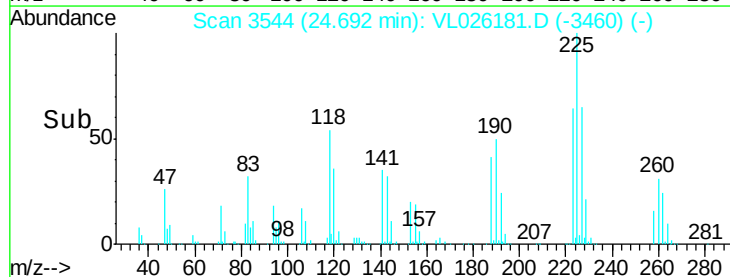
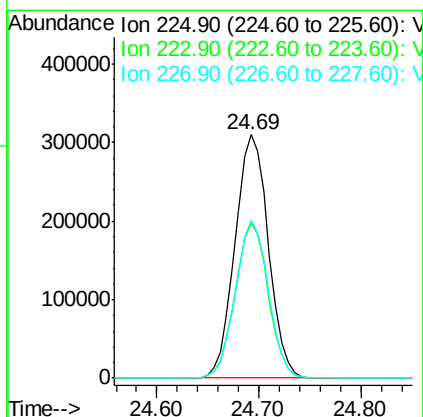
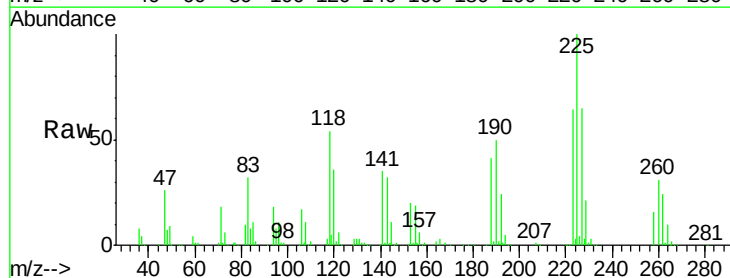
Instrument :
 MSVOA_L
 ClientSampleId :

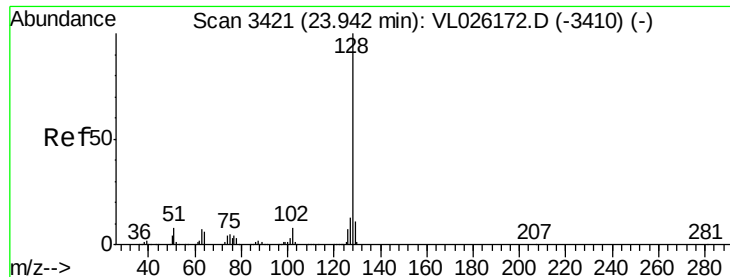
Tot Ion:146 Resp: 2144404
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.0 69.0
 148 62.8 31.8 95.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.16 ppbv
 RT: 24.69 min Scan# 3544
 Delta R.T. 0.01 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Tgt Ion:225 Resp: 703461
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.1 76.7
 227 63.6 50.8 76.2

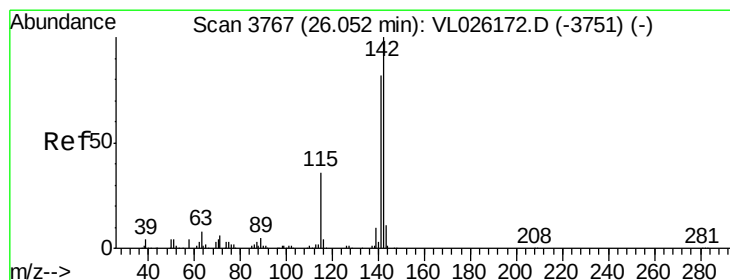
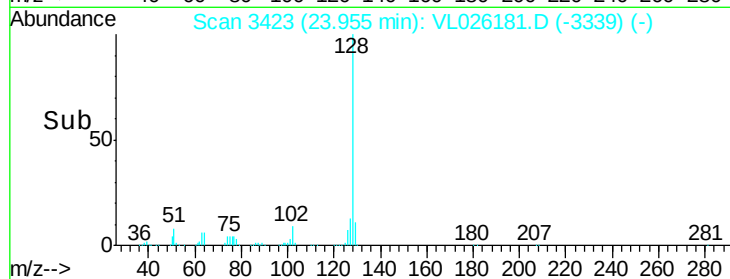
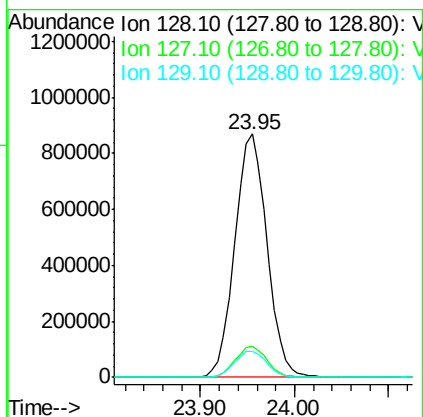
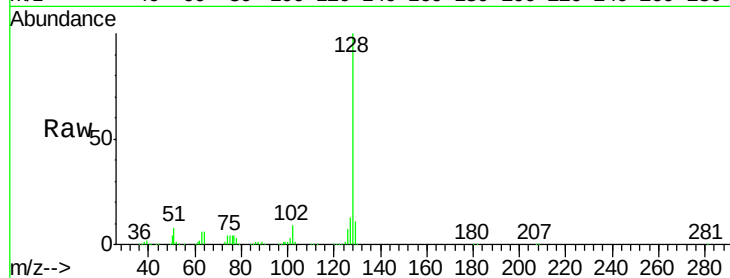




#79
Naphthalene
Concen: 7.26 ppbv
RT: 23.95 min Scan# 3423
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

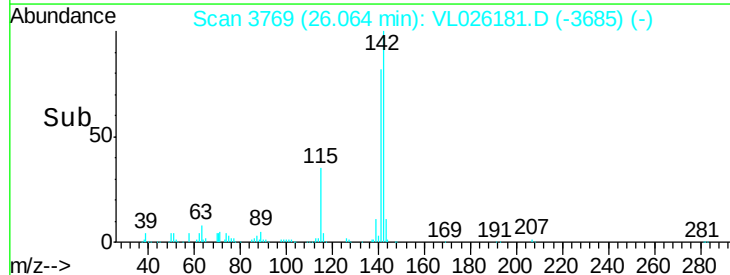
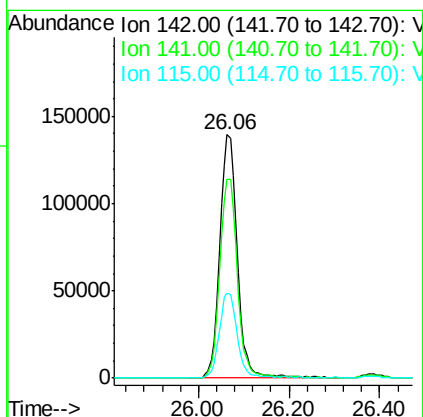
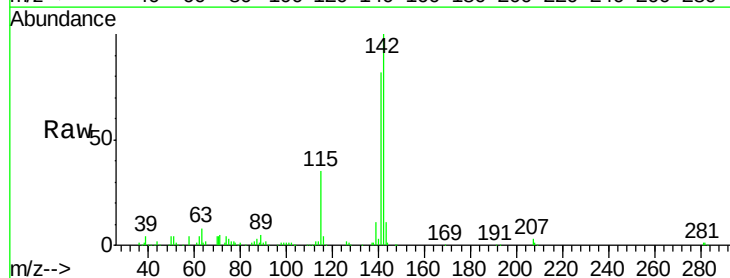
Instrument :
MSVOA_L
ClientSampled :

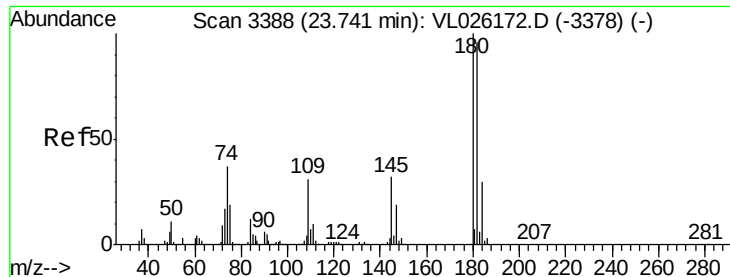
Tot Ion:128 Resp: 2072870
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 5.84 ppbv
RT: 26.06 min Scan# 3769
Delta R.T. 0.01 min
Lab File: VL026181.D
Acq: 9 Oct 2015 18:11

Tgt Ion:142 Resp: 374620
Ion Ratio Lower Upper
142 100
141 83.5 66.6 99.8
115 36.1 28.4 42.6

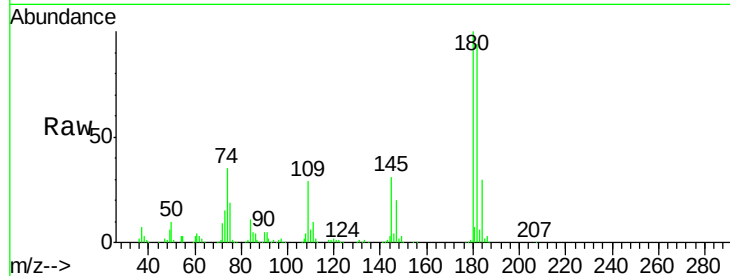




#81
 1,2,4-Trichlorobenzene
 Concen: 6.95 ppbv
 RT: 23.76 min Scan# 3391
 Delta R.T. 0.02 min
 Lab File: VL026181.D
 Acq: 9 Oct 2015 18:11

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 984541
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.4 114.6
 184 30.4 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

