

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026204.D
 Acq On : 10 Oct 2015 9:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 12 02:10:43 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	6.65	49	515108	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.32	114	1689058	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.73	117	2473565	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	1591300	8.38	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	1066583	11.04	ppbv	100
3) Chlorodifluoromethane	3.56	51	587719	9.77	ppbv	99
4) Chloromethane	3.74	50	335863	9.90	ppbv	99
5) Vinyl Chloride	3.88	62	358649	10.48	ppbv	98
6) Bromomethane	4.14	94	264099	10.73	ppbv	97
7) Chloroethane	4.23	64	156629	10.55	ppbv	99
8) Dichlorotetrafluoroethane	3.80	85	883343	10.48	ppbv	95
9) Propene	3.59	41	277690	10.05	ppbv	99
10) Heptane	9.34	43	967750	10.08	ppbv	97
11) Trichlorofluoromethane	4.68	101	1053576	11.12	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	721055	11.24	ppbv	96
13) Ethanol	4.32	45	42420	10.44	ppbv	93
14) Bromoethene	4.44	108	301380	11.39	ppbv	99
15) Acetone	4.59	43	620799	9.32	ppbv	99
16) 1,3-Butadiene	3.96	39	321711	10.46	ppbv	98
17) tert-Butyl alcohol	5.12	59	600925	14.98	ppbv	99
18) 1,1-Dichloroethene	5.07	96	333465	11.48	ppbv	99
19) Isopropyl Alcohol	4.74	45	337004	13.00	ppbv	# 1
20) Methylene Chloride	5.14	84	300332	10.60	ppbv	98
21) Allyl Chloride	5.21	41	506161	11.65	ppbv	99
22) trans-1,2-Dichloroethene	5.76	96	423741	11.39	ppbv	96
23) Vinyl Acetate	5.98	43	1374296	11.66	ppbv	99
24) 1,1-Dichloroethane	5.90	63	862828	10.74	ppbv	99
25) Ethyl Acetate	6.66	43	1327410	10.31	ppbv	99
26) Hexane	6.65	57	659928	10.58	ppbv	99
27) Carbon Disulfide	5.38	76	961714	12.87	ppbv	99
28) Methyl tert-Butyl Ether	5.94	73	1290783	12.84	ppbv	98
29) Chloroform	6.74	83	1000637	10.83	ppbv	100
30) Cyclohexane	8.27	84	684493	11.52	ppbv	95
31) cis-1,2-Dichloroethene	6.51	61	626573	11.02	ppbv	98
32) 1,1,1-Trichloroethane	7.59	97	1089876	12.34	ppbv	97
34) 2-Butanone	6.19	43	843314	8.97	ppbv	98
35) Carbon Tetrachloride	8.15	117	1145624	10.70	ppbv	99
36) Benzene	8.01	78	1508528	9.34	ppbv	99
37) 1,2-Dichloroethane	7.37	62	808243	9.34	ppbv	100
38) Trichloroethene	9.06	130	649194	8.75	ppbv	98
39) 1,2-Dichloropropane	8.82	63	530591	8.84	ppbv	98
40) 1,4-Dioxane	9.10	88	129937	13.15	ppbv	# 1
41) Tetrahydrofuran	7.11	42	464918	8.78	ppbv	96
42) Bromodichloromethane	9.01	83	1165250	10.23	ppbv	99
43) Methyl Methacrylate	9.25	69	581627	10.22	ppbv	97

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 Response via : Initial Calibration

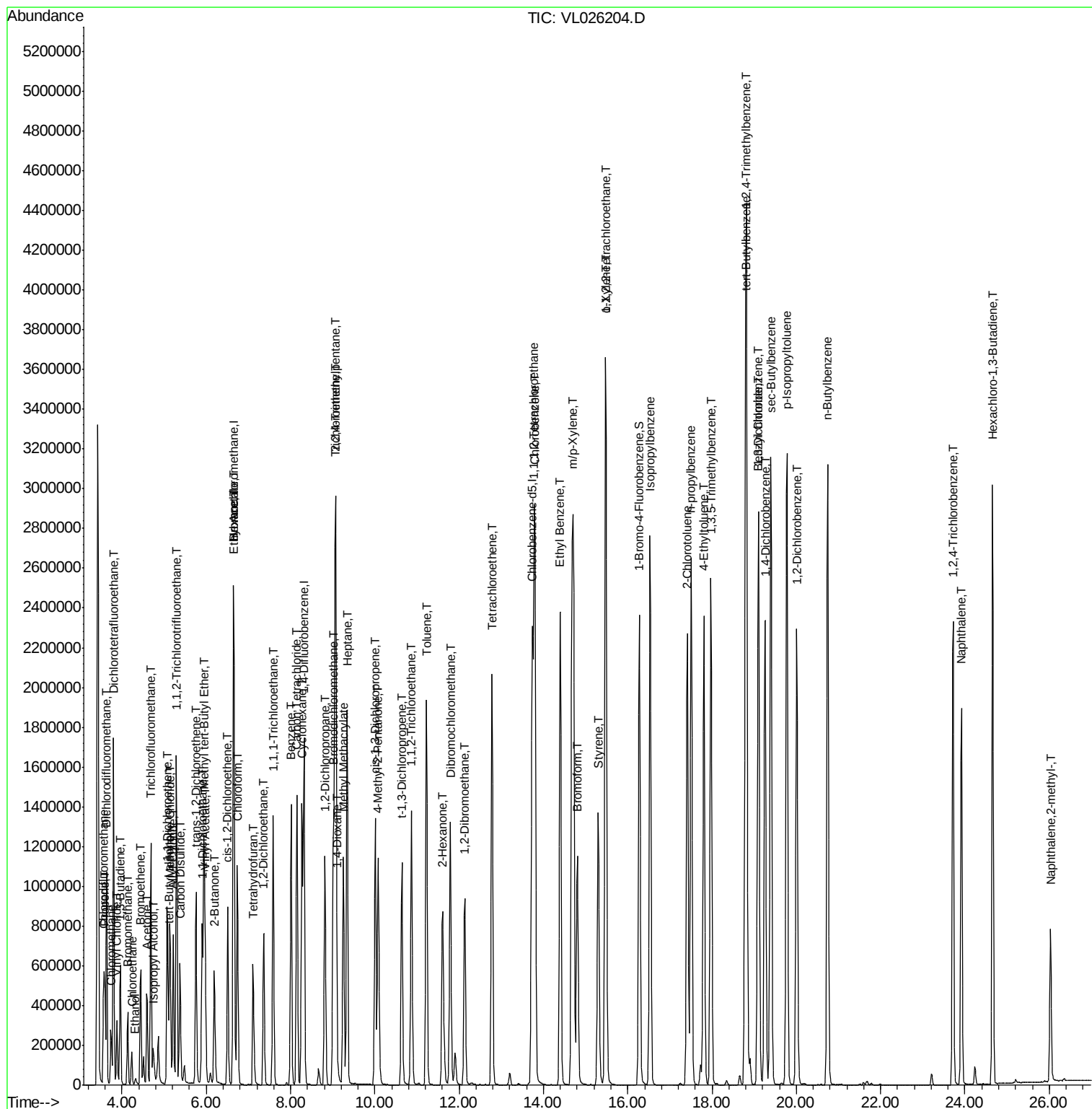
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	2418263	9.00	ppbv	99
45) t-1,3-Dichloropropene	10.64	75	931879	11.90	ppbv	99
46) cis-1,3-Dichloropropene	10.01	75	1065210	11.08	ppbv	98
47) 1,1,2-Trichloroethane	10.87	97	678795	9.43	ppbv	98
48) Dibromochloromethane	11.79	129	1155197	11.32	ppbv	99
49) Bromoform	14.80	173	968955	12.61	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	1185287	9.53	ppbv	99
51) 2-Hexanone	11.60	43	1116345	9.99	ppbv #	98
52) Tetrachloroethene	12.78	164	717504	8.99	ppbv	99
53) Toluene	11.23	91	2077887	9.98	ppbv	100
54) 1,2-Dibromoethane	12.13	107	1062310	9.84	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.77	131	835628	8.43	ppbv	97
57) Chlorobenzene	13.80	112	1720856	7.71	ppbv	98
58) Ethyl Benzene	14.40	91	2961877	8.24	ppbv	99
59) m/p-Xylene	14.70	91	4595462	15.94	ppbv	100
60) o-Xylene	15.48	91	2340756	7.75	ppbv	100
61) Styrene	15.30	104	1153901	9.34	ppbv	99
62) Isopropylbenzene	16.53	105	3306545	8.30	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.47	83	1439686	6.41	ppbv	100
64) n-propylbenzene	17.50	120	909911	8.48	ppbv	92
65) tert-Butylbenzene	18.80	119	2930157	8.34	ppbv	99
66) Benzyl Chloride	19.09	91	1276459	12.23	ppbv	97
67) sec-Butylbenzene	19.39	105	4109171	8.39	ppbv	99
69) p-Isopropyltoluene	19.77	119	3487569	8.90	ppbv	99
70) n-Butylbenzene	20.74	91	3110586	8.28	ppbv	98
71) 2-Chlorotoluene	17.41	91	2389541	8.21	ppbv	98
72) 4-Ethyltoluene	17.80	105	2792392	8.66	ppbv	99
73) 1,3,5-Trimethylbenzene	17.97	105	2619683	8.65	ppbv	99
74) 1,2,4-Trimethylbenzene	18.82	105	2548328	8.02	ppbv	93
75) 1,3-Dichlorobenzene	19.11	146	1700740	8.37	ppbv	99
76) 1,4-Dichlorobenzene	19.26	146	1781675	8.69	ppbv	99
77) 1,2-Dichlorobenzene	20.01	146	1737950	8.75	ppbv	99
78) Hexachloro-1,3-Butadiene	24.66	225	835060	10.47	ppbv	99
79) Naphthalene	23.92	128	2394932	12.01	ppbv	100
80) Naphthalene, 2-methyl-	26.03	142	674764	15.07	ppbv	98
81) 1,2,4-Trichlorobenzene	23.72	180	1096973	11.10	ppbv	100

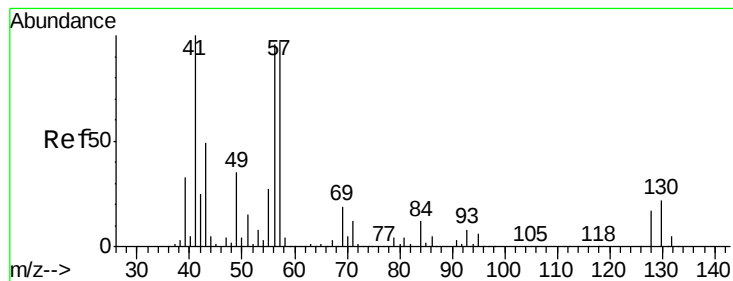
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

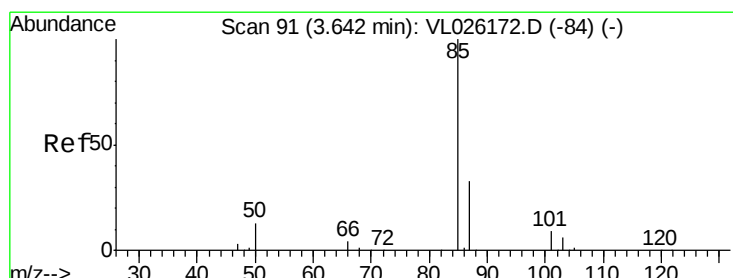
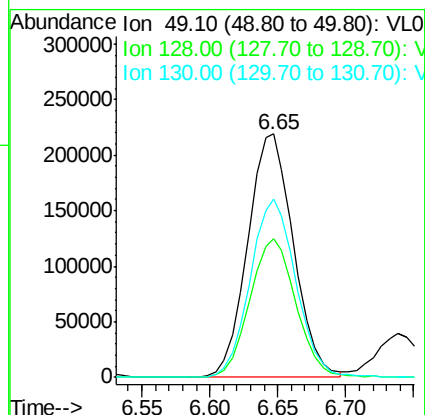
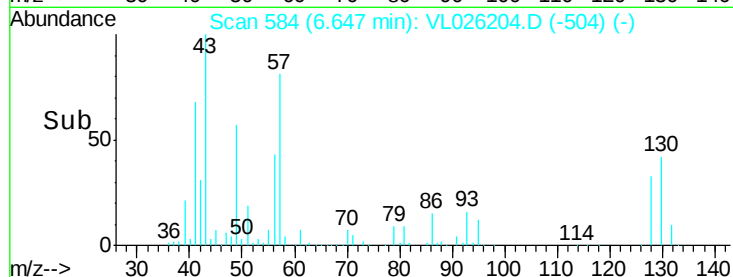
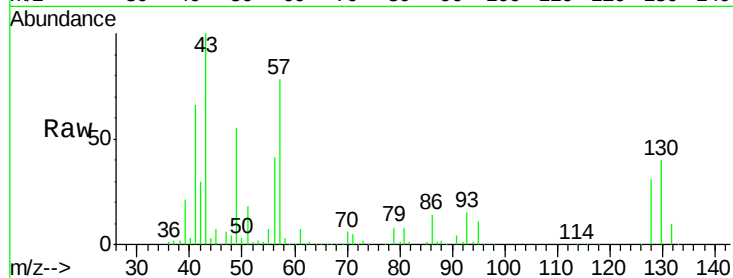
Tot Ion: 49 Resp: 515108

Ion Ratio Lower Upper

49 100

128 57.6 26.3 78.8

130 73.6 34.2 102.5



#2

Dichlorodifluoromethane

Concen: 11.04 ppbv

RT: 3.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VL026204.D

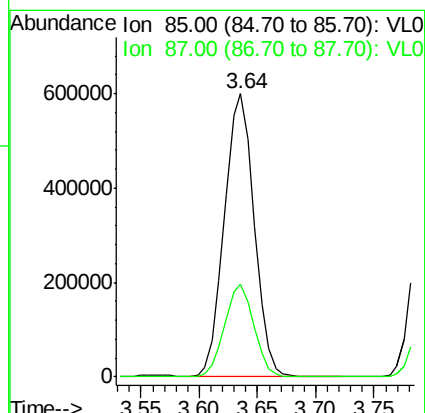
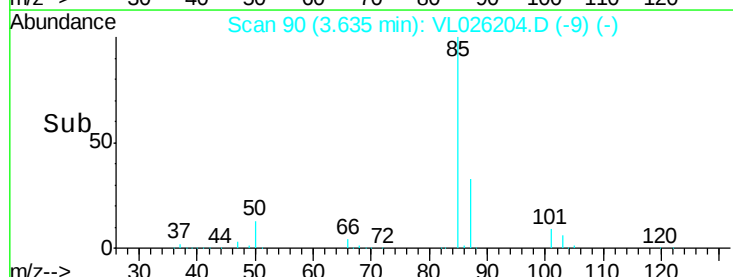
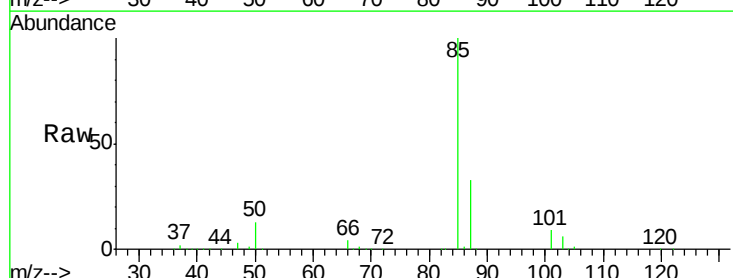
Acq: 10 Oct 2015 9:31

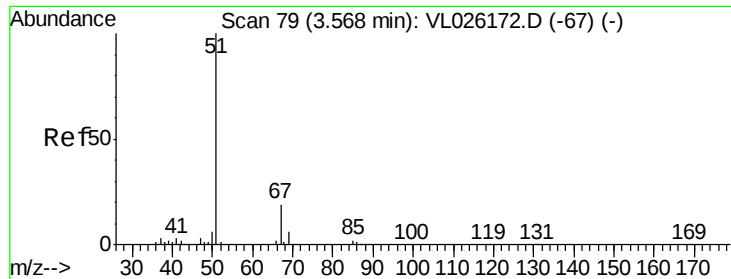
Tgt Ion: 85 Resp: 1066583

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.4





#3

Chlorodifluoromethane

Concen: 9.77 ppbv

RT: 3.56 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

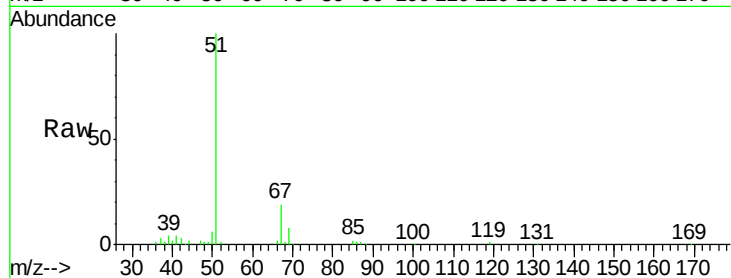
ClientSampleId :

Tot Ion: 51 Resp: 587719

Ion Ratio Lower Upper

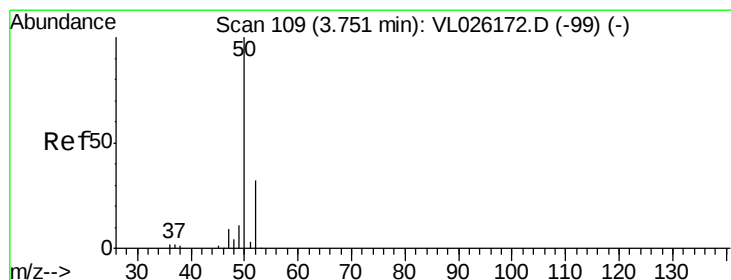
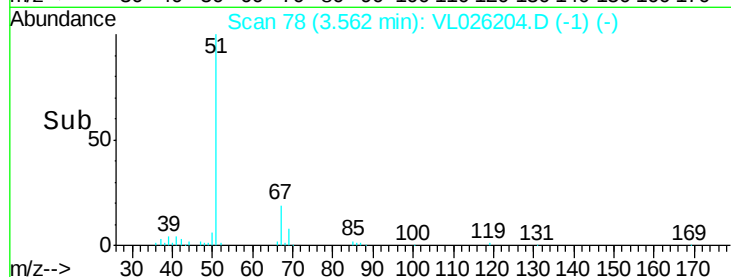
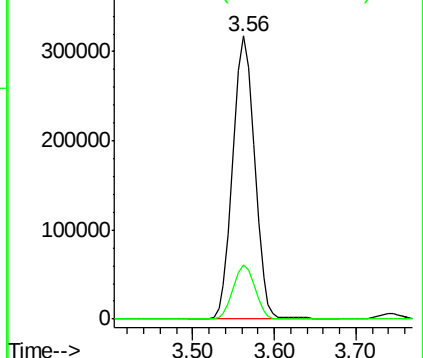
51 100

67 19.2 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: 9.90 ppbv

RT: 3.74 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL026204.D

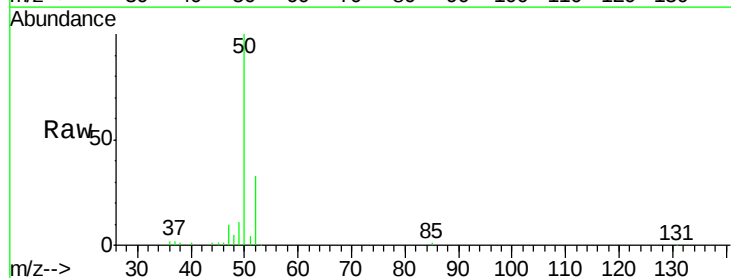
Acq: 10 Oct 2015 9:31

Tgt Ion: 50 Resp: 335863

Ion Ratio Lower Upper

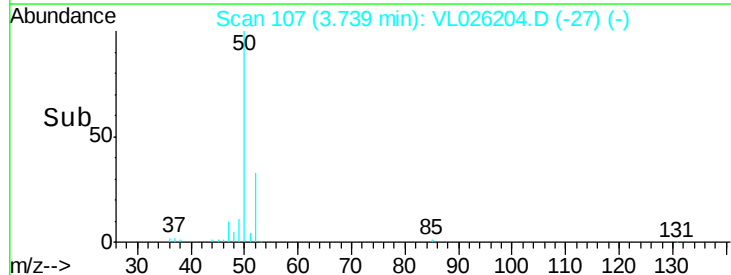
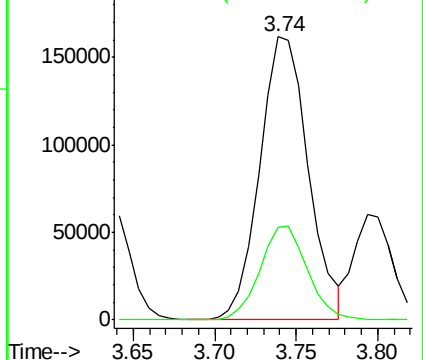
50 100

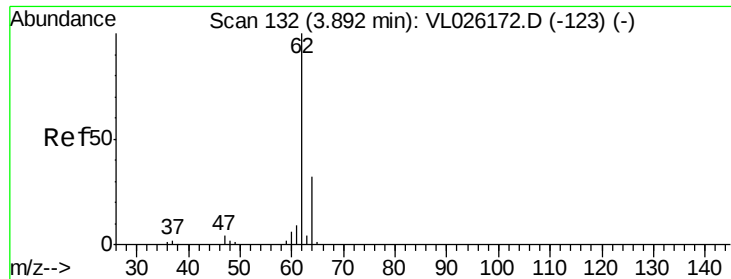
52 32.7 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.48 ppbv

RT: 3.88 min Scan# 130

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

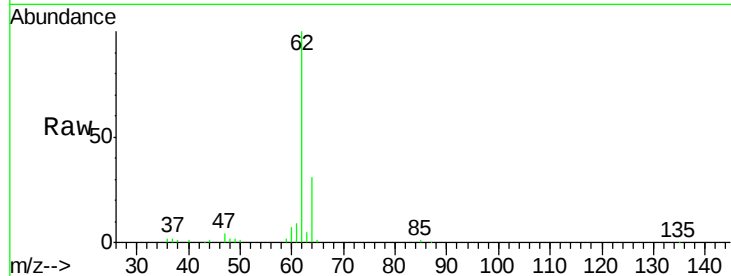
ClientSampleId :

Tot Ion: 62 Resp: 358649

Ion Ratio Lower Upper

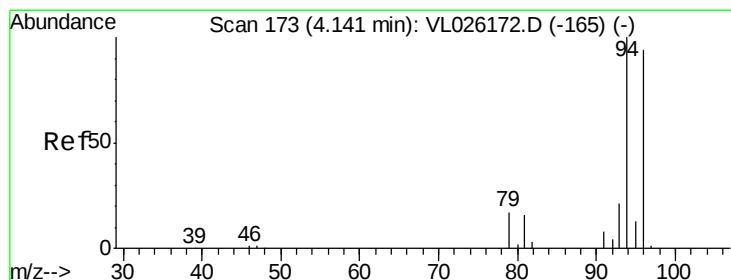
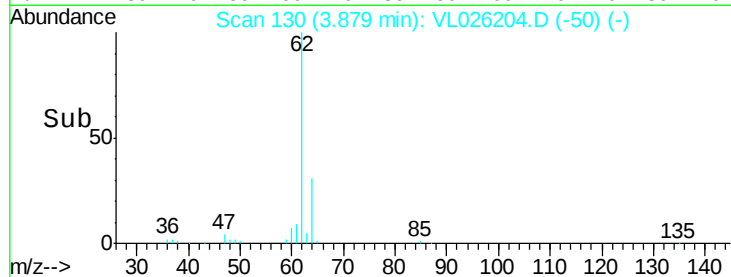
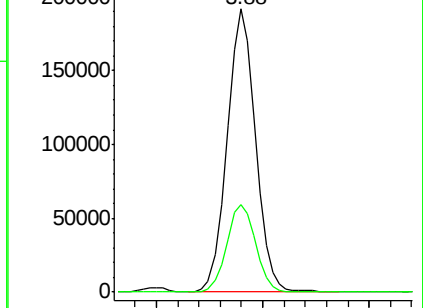
62 100

64 30.9 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: 4.14 min Scan# 172

Delta R.T. -0.01 min

Lab File: VL026204.D

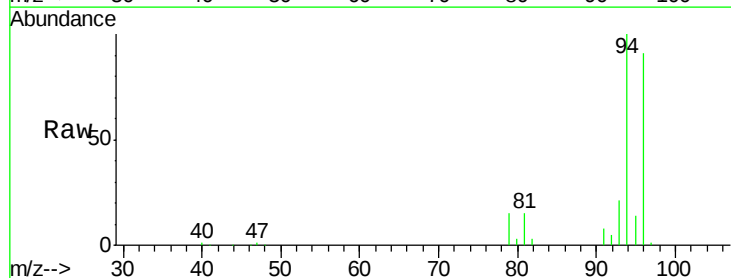
Acq: 10 Oct 2015 9:31

Tgt Ion: 94 Resp: 264099

Ion Ratio Lower Upper

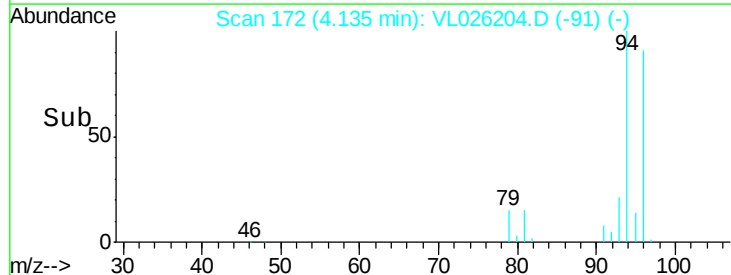
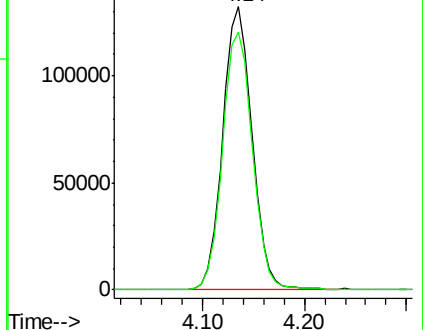
94 100

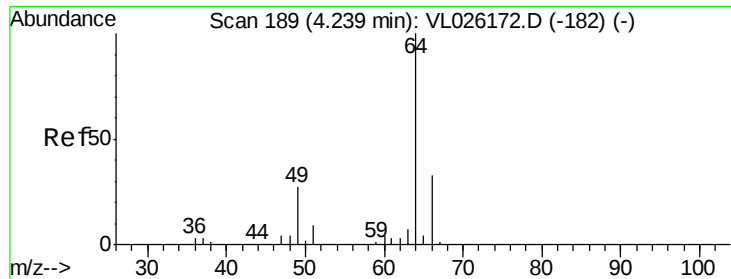
96 90.9 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.55 ppbv

RT: 4.23 min Scan# 188

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

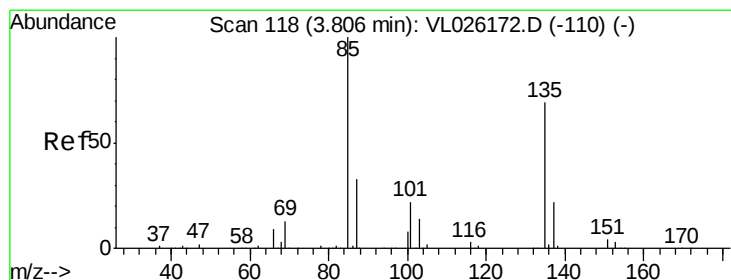
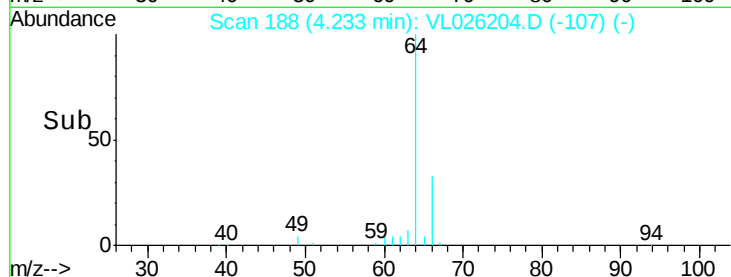
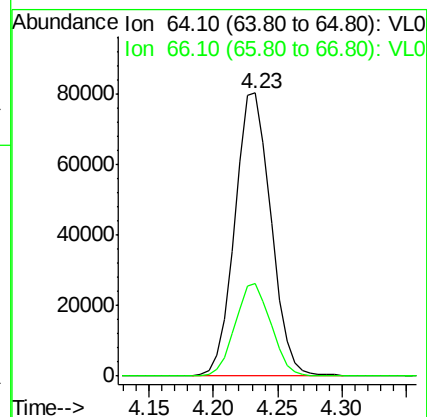
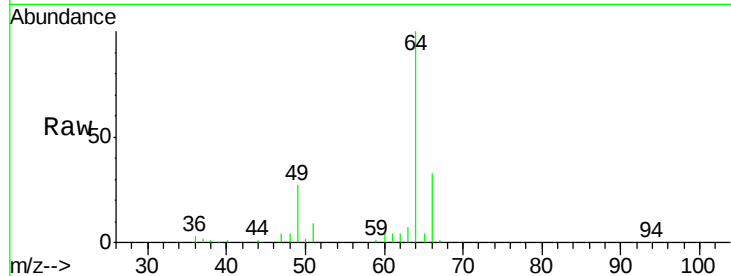
ClientSampled :

Tot Ion: 64 Resp: 156629

Ion Ratio Lower Upper

64 100

66 32.5 26.5 39.7



#8

Dichlorotetrafluoroethane

Concen: 10.48 ppbv

RT: 3.80 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL026204.D

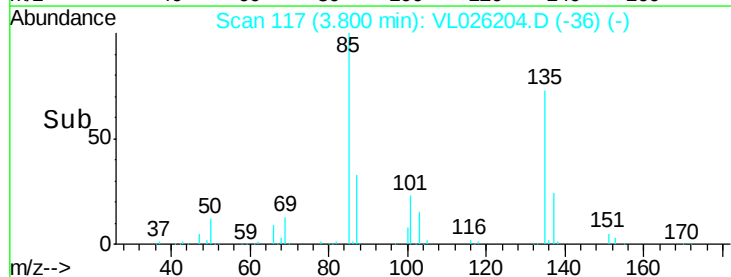
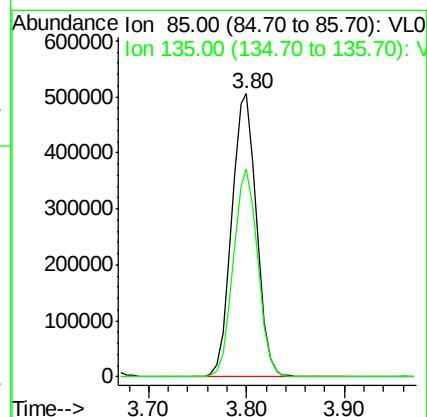
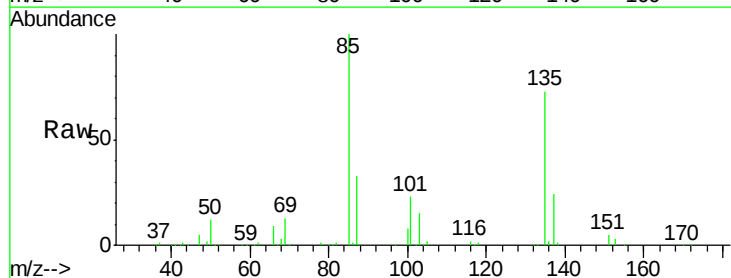
Acq: 10 Oct 2015 9:31

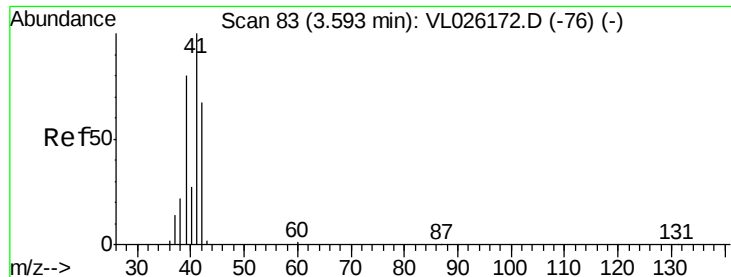
Tgt Ion: 85 Resp: 883343

Ion Ratio Lower Upper

85 100

135 72.9 55.3 82.9





#9

Propene

Concen: 10.05 ppbv

RT: 3.59 min Scan# 82

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

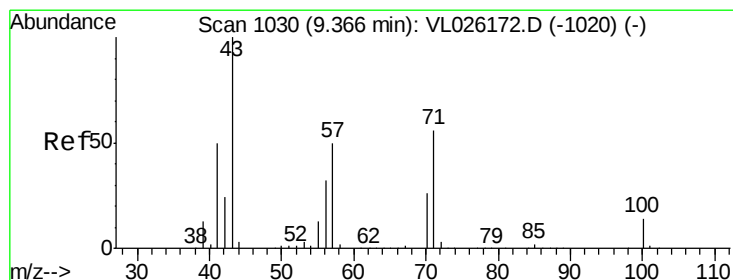
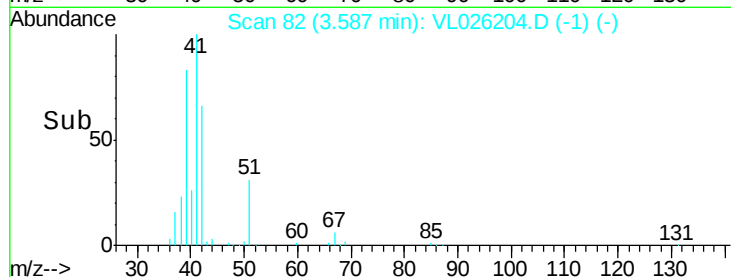
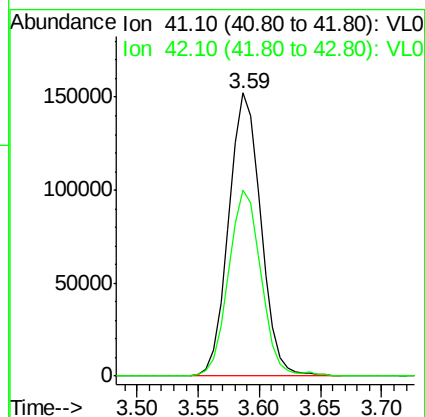
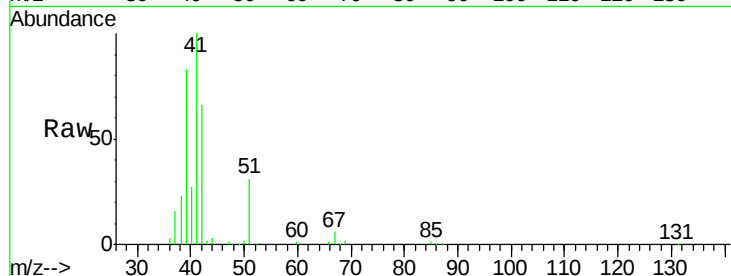
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 277690

Ion Ratio Lower Upper

41 100

42 66.5 53.6 80.4



#10

Heptane

Concen: 10.08 ppbv

RT: 9.34 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VL026204.D

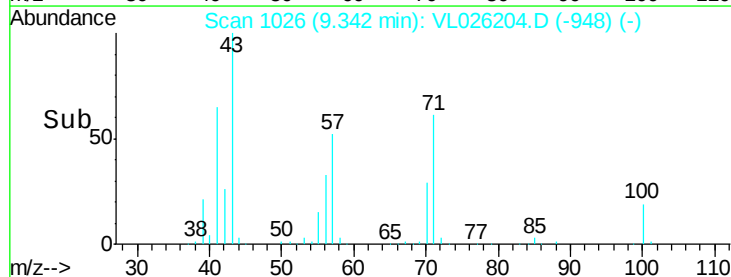
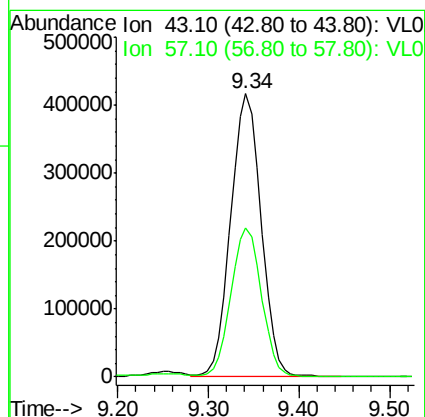
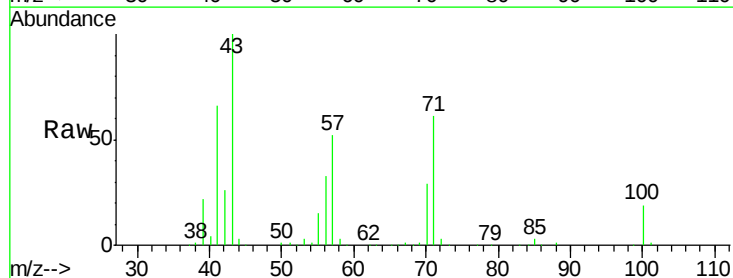
Acq: 10 Oct 2015 9:31

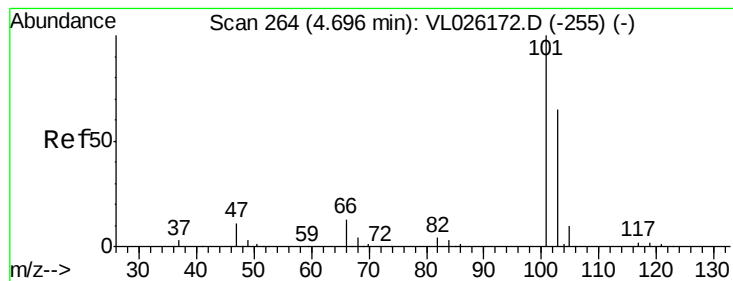
Tgt Ion: 43 Resp: 967750

Ion Ratio Lower Upper

43 100

57 54.7 41.8 62.8





#11

Trichlorofluoromethane

Concen: 11.12 ppbv

RT: 4.68 min Scan# 262

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

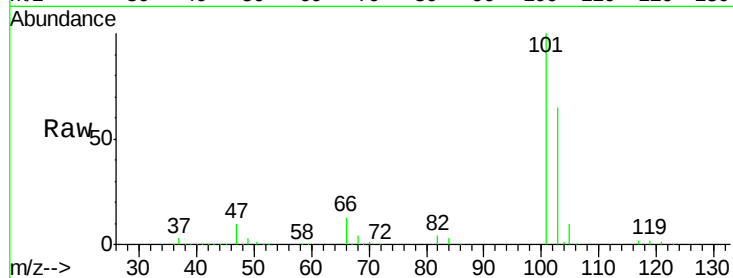
ClientSampleId :

Tot Ion:101 Resp: 1053576

Ion Ratio Lower Upper

101 100

103 64.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.68

600000

500000

400000

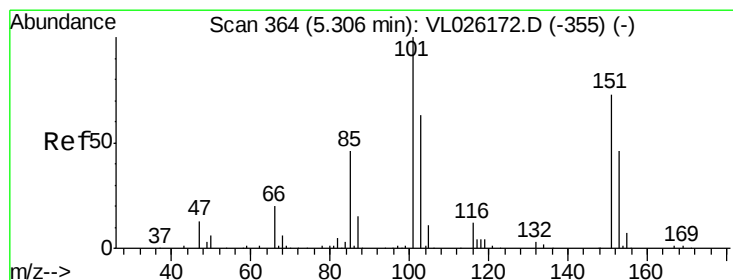
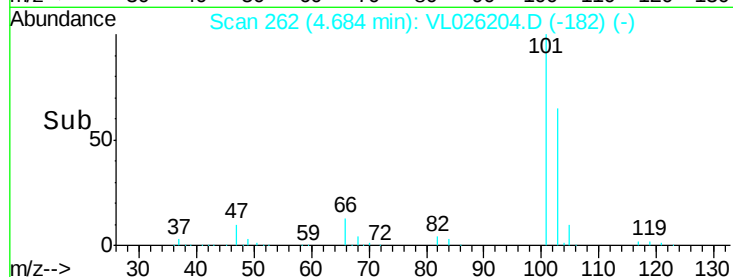
300000

200000

100000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.24 ppbv

RT: 5.29 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL026204.D

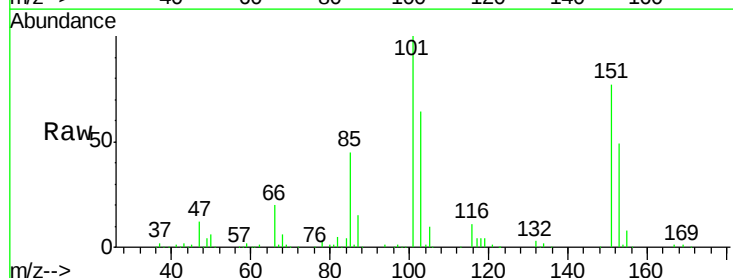
Acq: 10 Oct 2015 9:31

Tgt Ion:101 Resp: 721055

Ion Ratio Lower Upper

101 100

151 77.0 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

5.29

400000

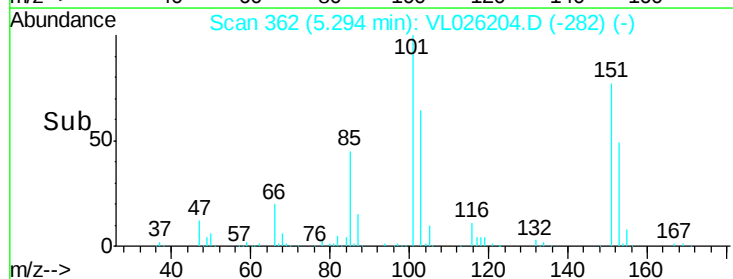
300000

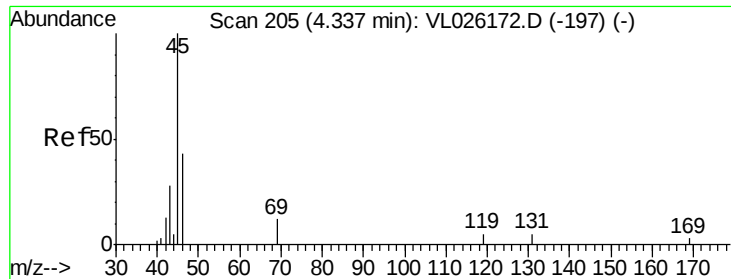
200000

100000

0

Time-->





#13

Ethanol

Concen: 10.44 ppbv

RT: 4.32 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

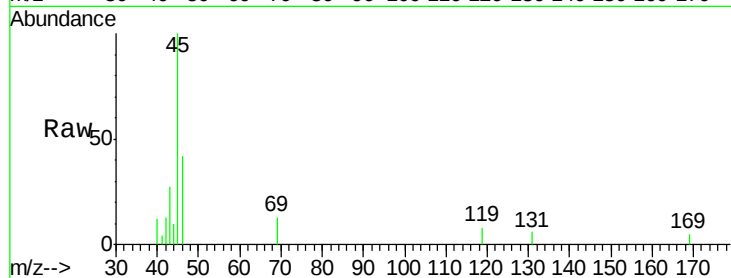
ClientSampleId :

Tot Ion: 45 Resp: 42420

Ion Ratio Lower Upper

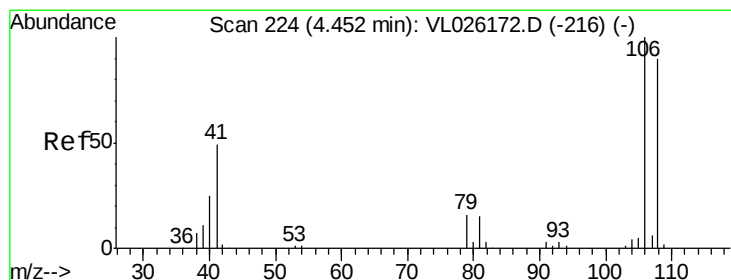
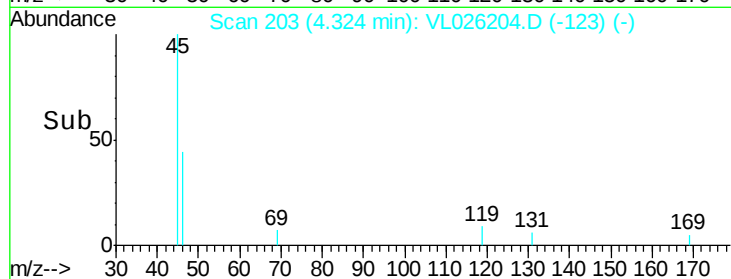
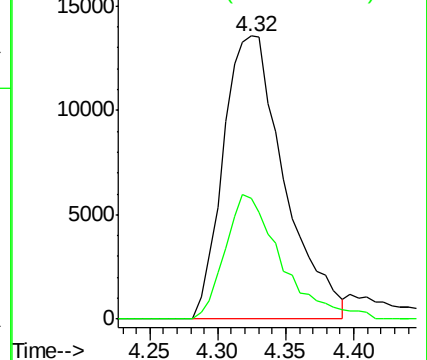
45 100

46 40.5 18.1 72.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 11.39 ppbv

RT: 4.44 min Scan# 222

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

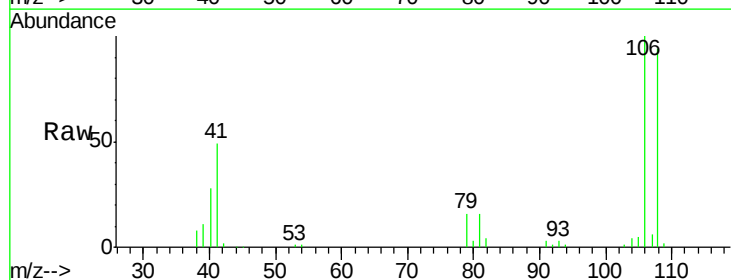
Tgt Ion: 108 Resp: 301380

Ion Ratio Lower Upper

108 100

106 106.9 85.9 128.9

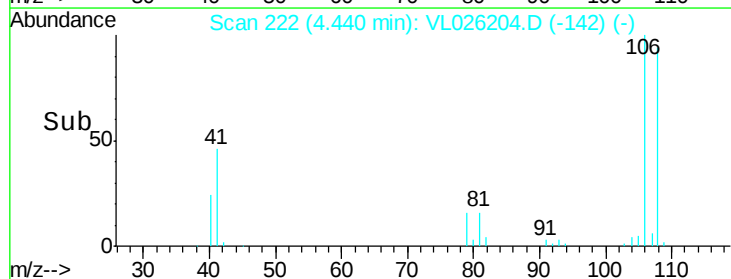
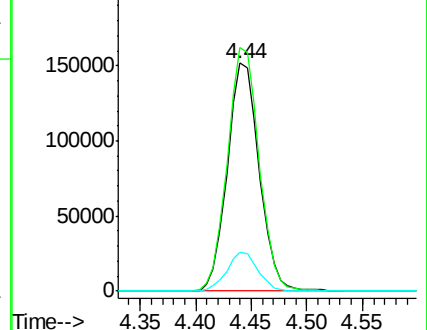
79 16.6 14.0 21.0

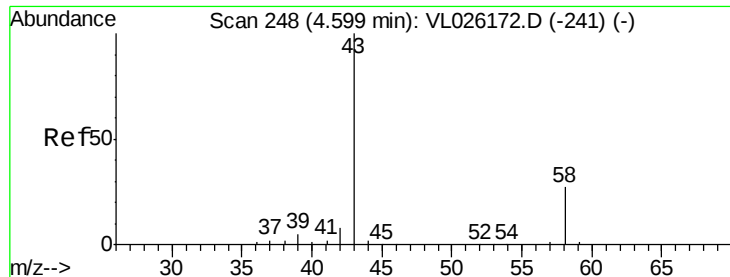


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.32 ppbv

RT: 4.59 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

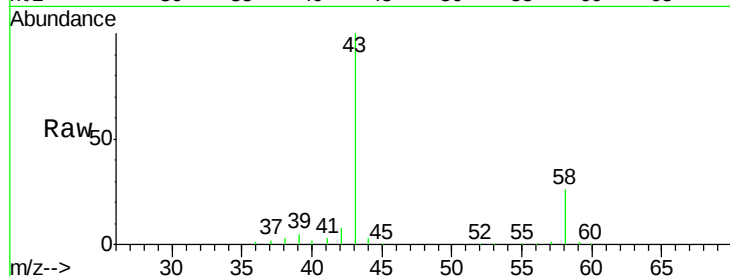
ClientSampleId :

Tot Ion: 43 Resp: 620799

Ion Ratio Lower Upper

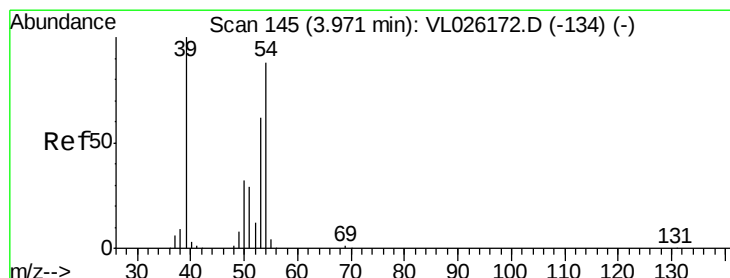
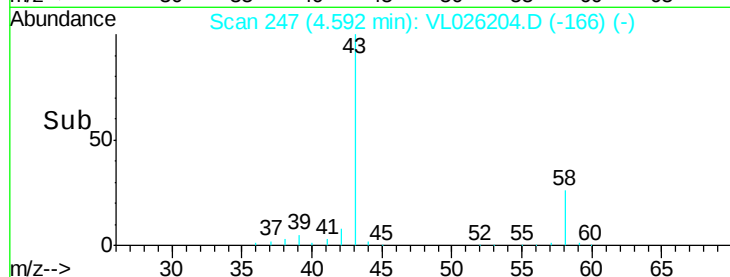
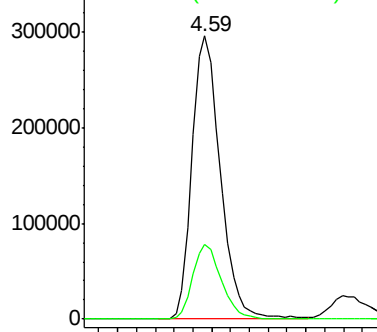
43 100

58 26.8 22.0 33.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.46 ppbv

RT: 3.96 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL026204.D

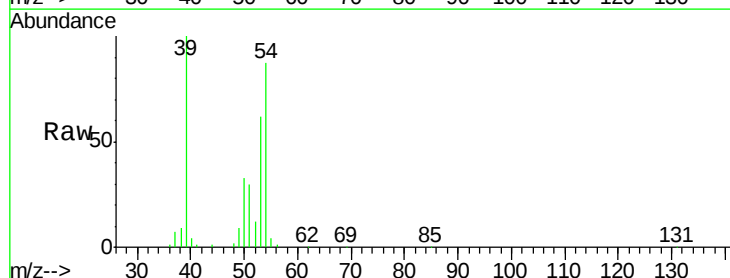
Acq: 10 Oct 2015 9:31

Tgt Ion: 39 Resp: 321711

Ion Ratio Lower Upper

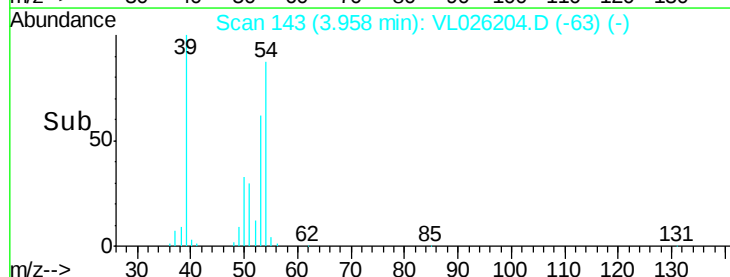
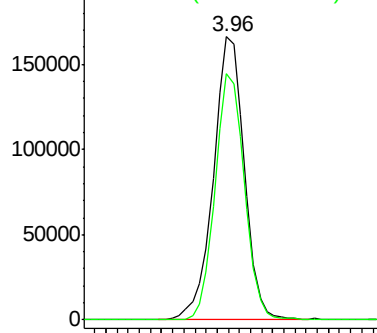
39 100

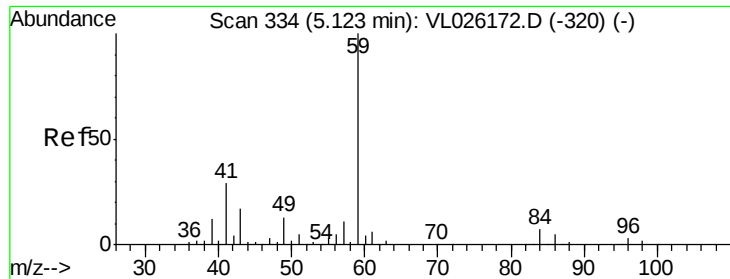
54 82.8 67.9 101.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



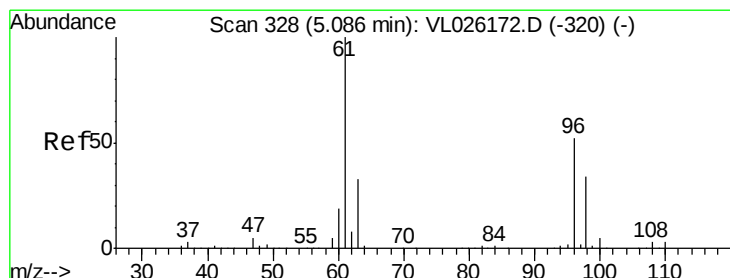
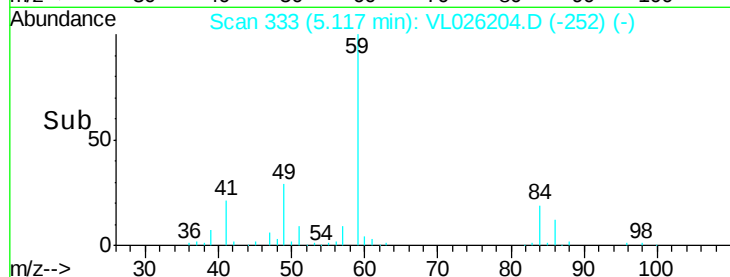
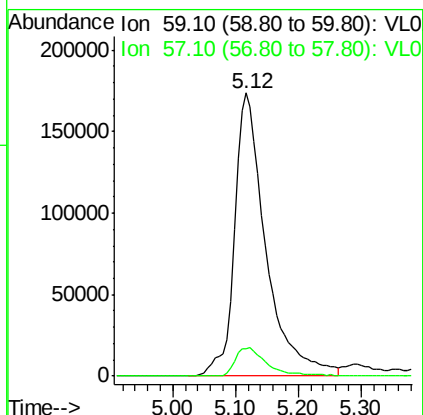
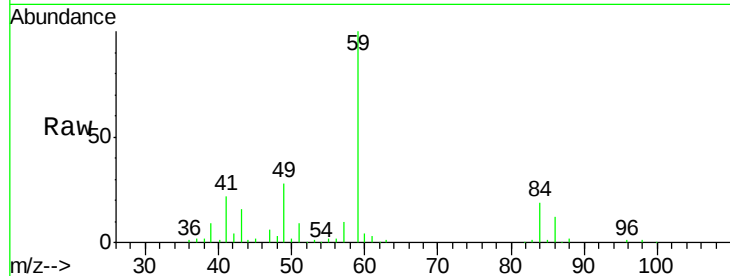


#17

tert-Butyl alcohol
Concen: 14.98 ppbv
RT: 5.12 min Scan# 333
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :

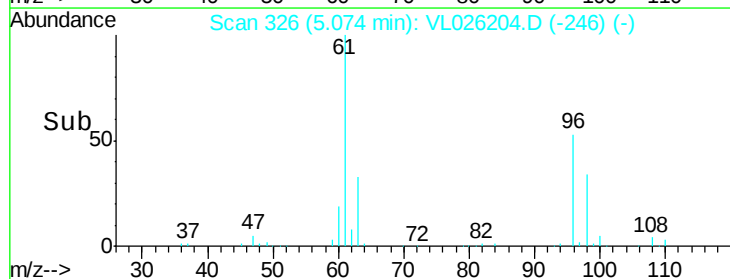
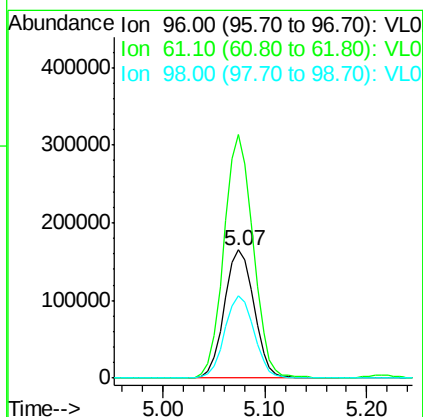
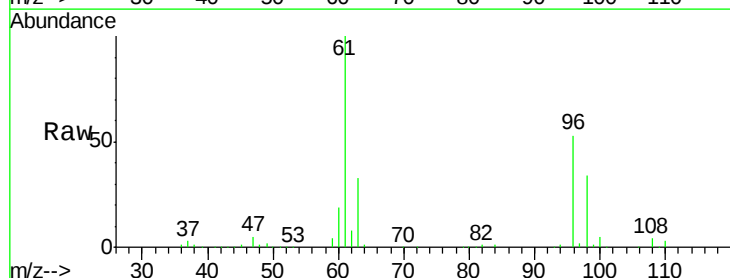
Tot Ion: 59 Resp: 600925
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2

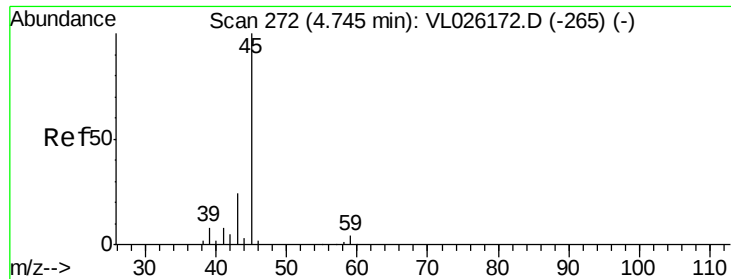


#18

1,1-Dichloroethene
Concen: 11.48 ppbv
RT: 5.07 min Scan# 326
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 96 Resp: 333465
Ion Ratio Lower Upper
96 100
61 190.0 153.2 229.8
98 64.1 52.1 78.1



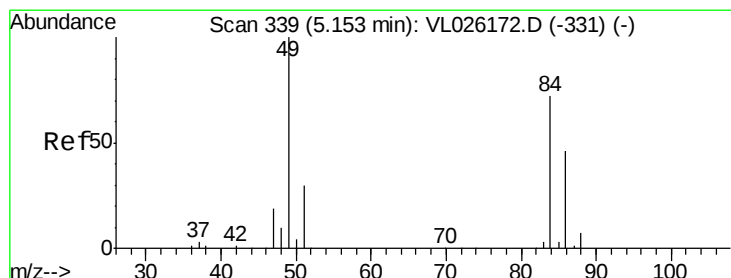
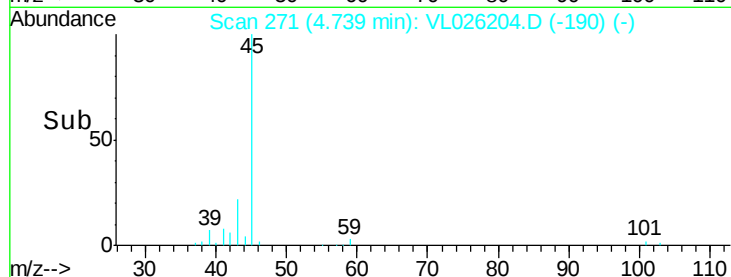
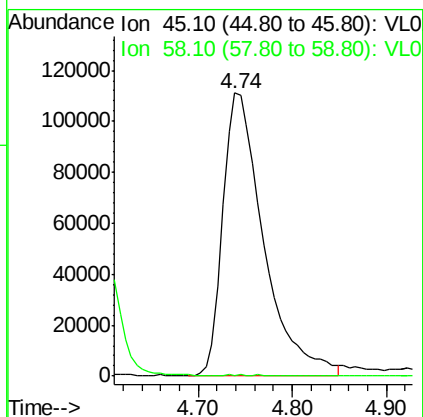
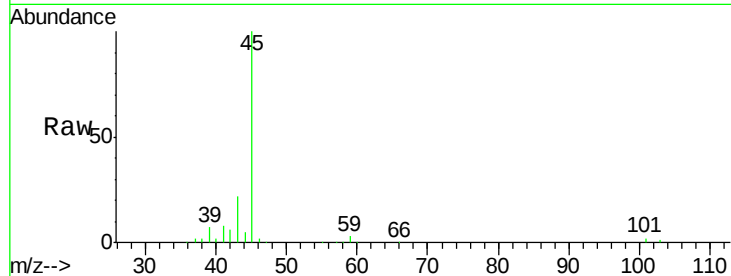


#19

Isopropyl Alcohol
 Concen: 13.00 ppbv
 RT: 4.74 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampled :

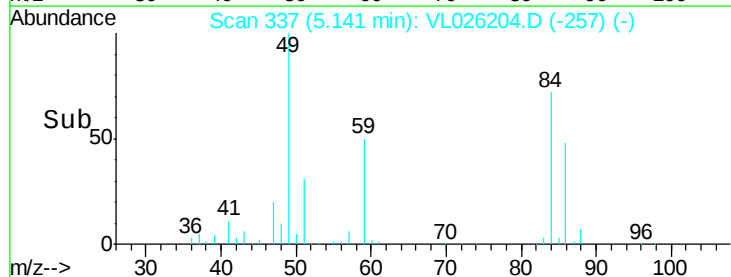
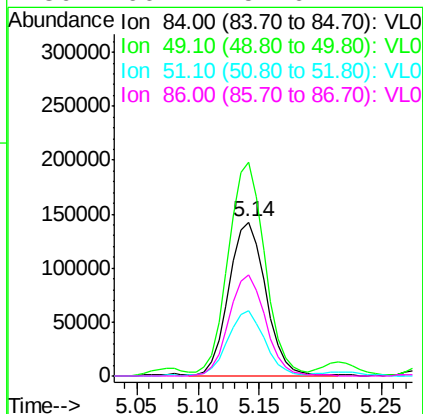
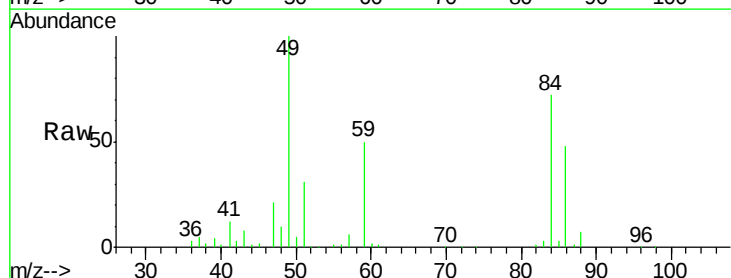
Tot Ion: 45 Resp: 337004
 Ion Ratio Lower Upper
 45 100
 58 49.4 1.7 2.5#

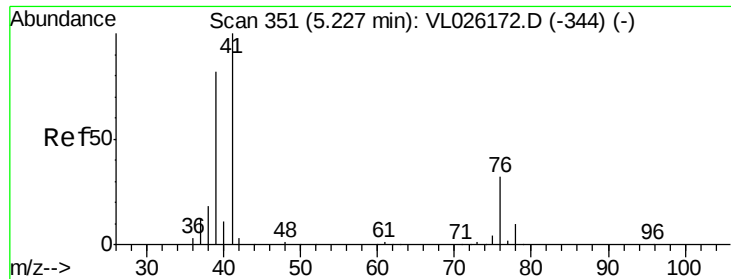


#20

Methylene Chloride
 Concen: 10.60 ppbv
 RT: 5.14 min Scan# 337
 Delta R.T. -0.01 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 84 Resp: 300332
 Ion Ratio Lower Upper
 84 100
 49 137.3 111.3 166.9
 51 42.0 33.0 49.6
 86 66.4 51.6 77.4





#21

Allvl Chloride

Concen: 11.65 ppbv

RT: 5.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

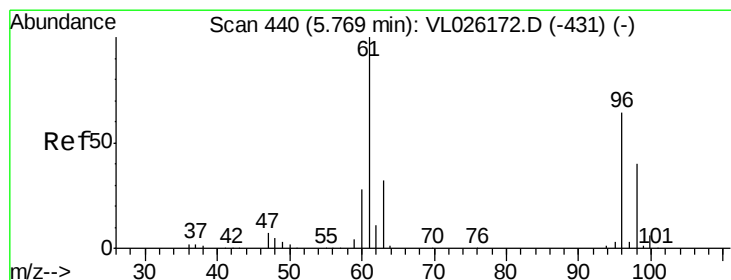
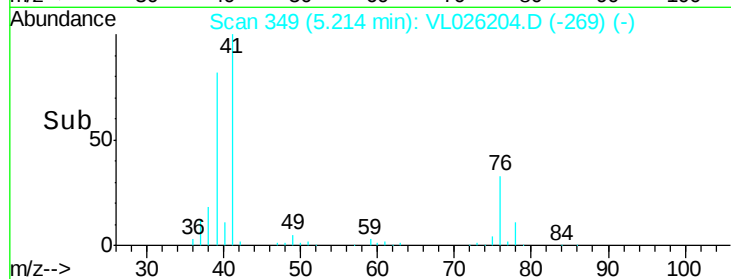
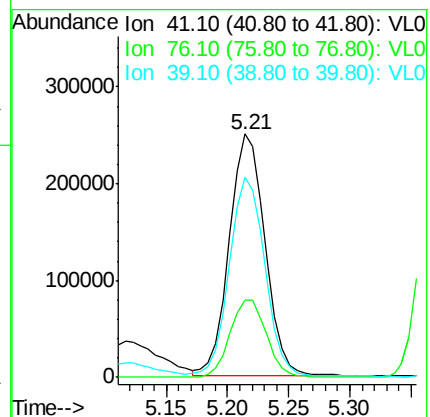
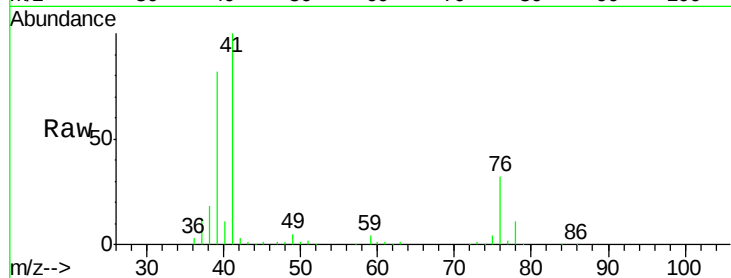
Tot Ion: 41 Resp: 506161

Ion Ratio Lower Upper

41 100

76 32.8 25.4 38.2

39 82.9 66.5 99.7



#22

trans-1,2-Dichloroethene

Concen: 11.39 ppbv

RT: 5.76 min Scan# 438

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

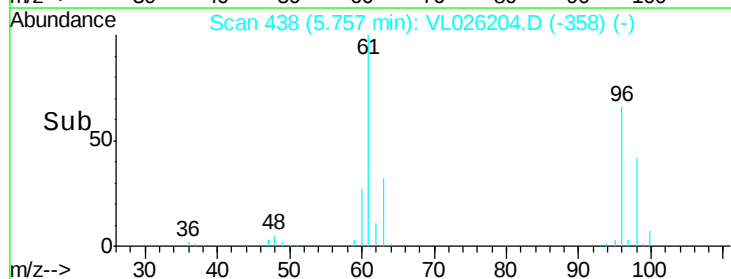
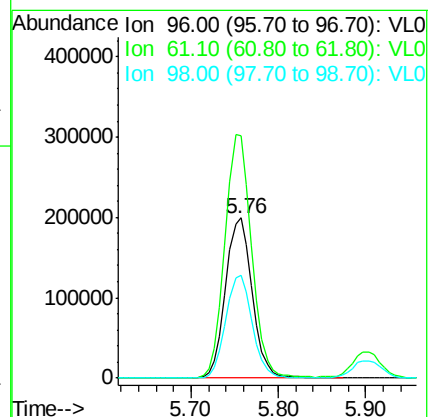
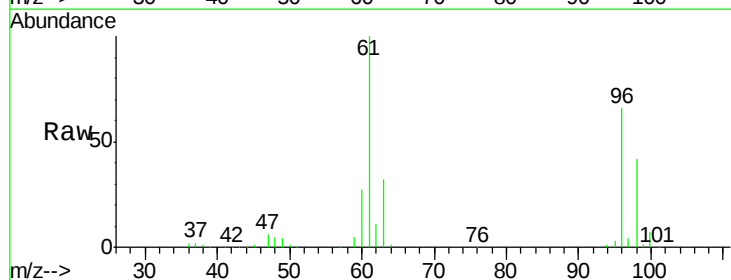
Tgt Ion: 96 Resp: 423741

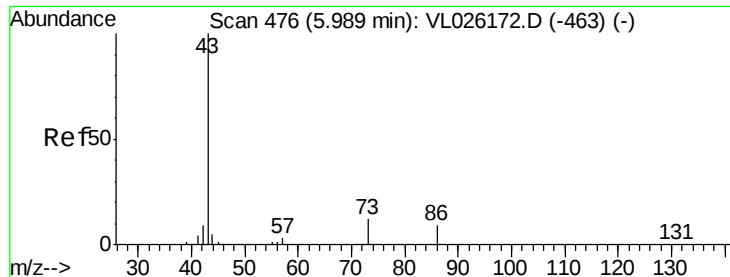
Ion Ratio Lower Upper

96 100

61 151.1 125.8 188.6

98 63.7 50.6 75.8





#23

Vinyl Acetate

Concen: 11.66 ppbv

RT: 5.98 min Scan# 474

Delta R.T. -0.01 min

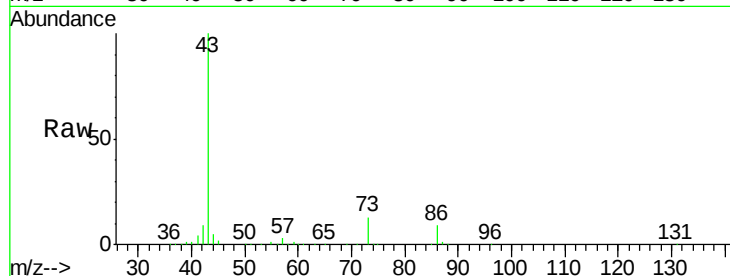
Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

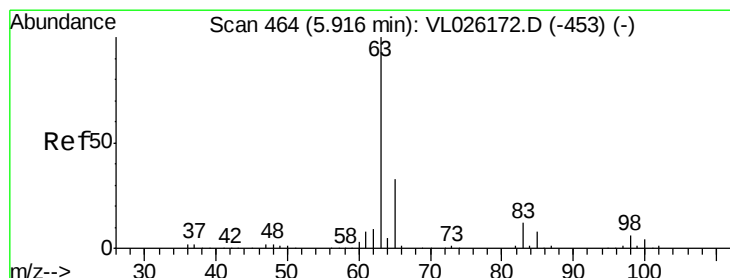
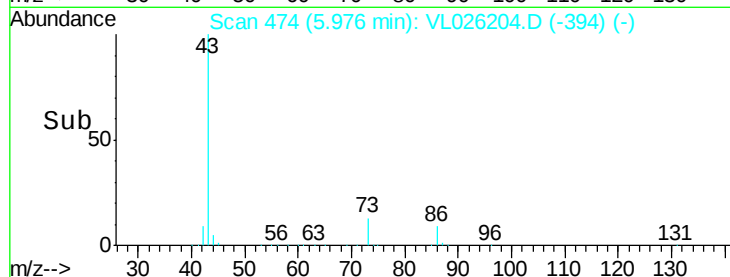
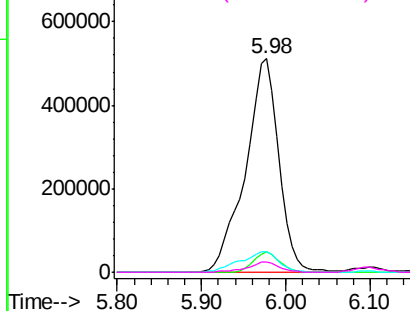
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1374296

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.2	10.8
42	9.4	7.4	11.2
44	4.6	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: 10.74 ppbv

RT: 5.90 min Scan# 462

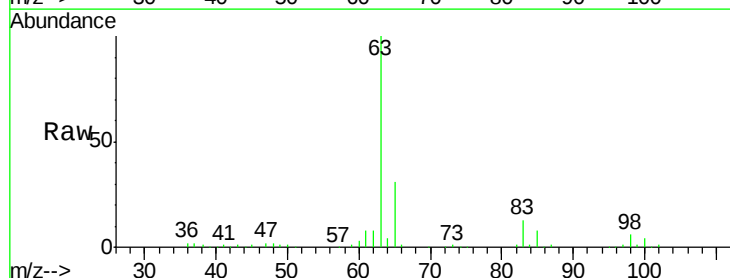
Delta R.T. -0.01 min

Lab File: VL026204.D

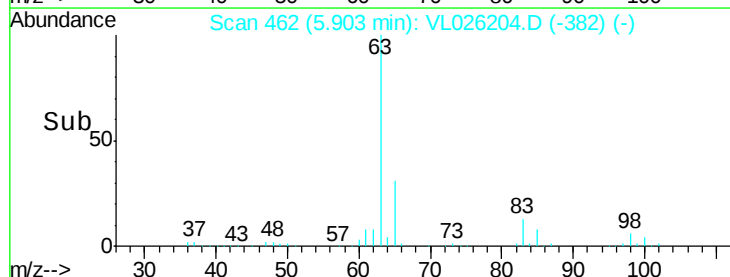
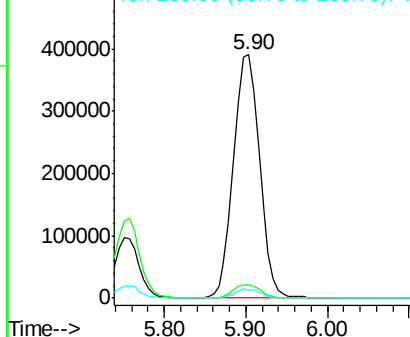
Acq: 10 Oct 2015 9:31

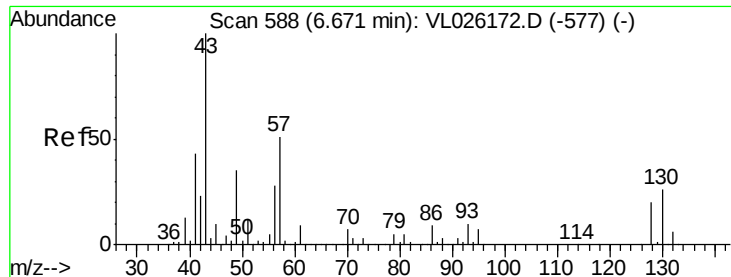
Tgt Ion: 63 Resp: 862828

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	3.6	1.8	5.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



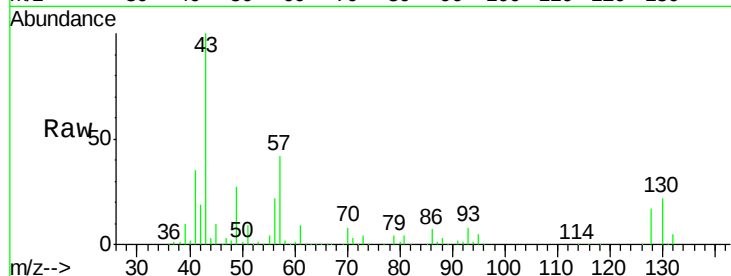


#25
Ethyl Acetate
Concen: 10.31 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.01 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1327410

Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.7	11.5
61	9.5	7.4	11.2
70	8.7	6.6	9.8



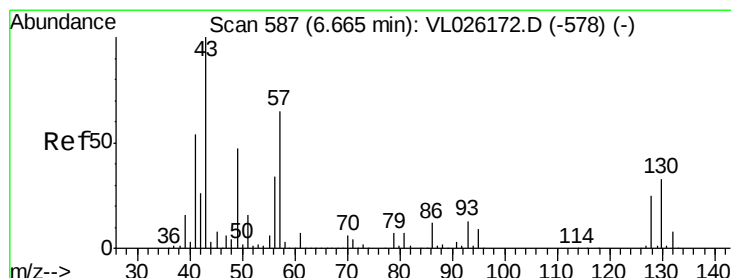
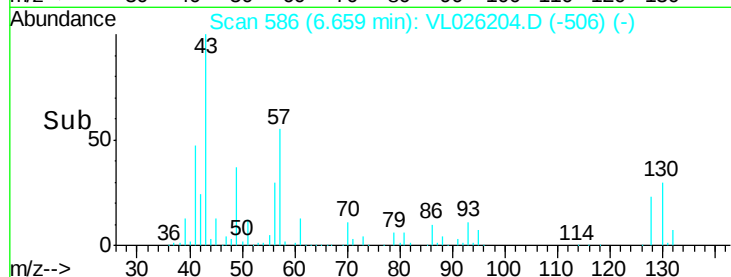
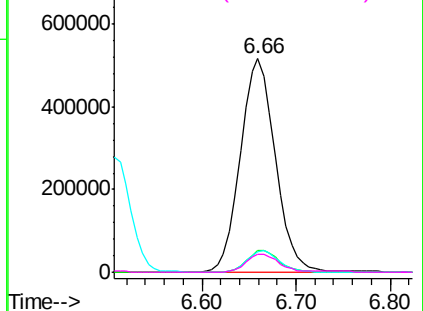
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

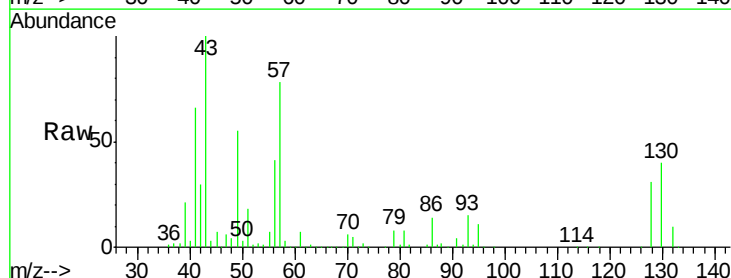
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.58 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 57 Resp: 659928

Ion	Ratio	Lower	Upper
57	100		
41	85.1	68.0	102.0
43	203.3	164.4	246.6
56	52.9	42.7	64.1



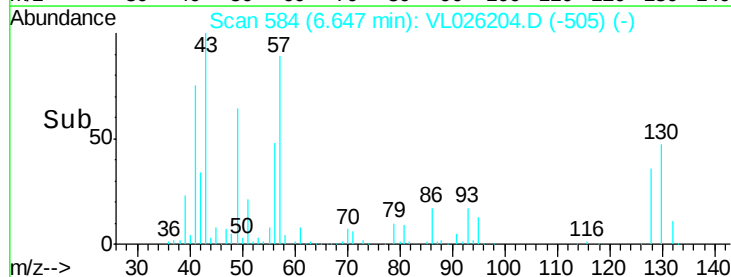
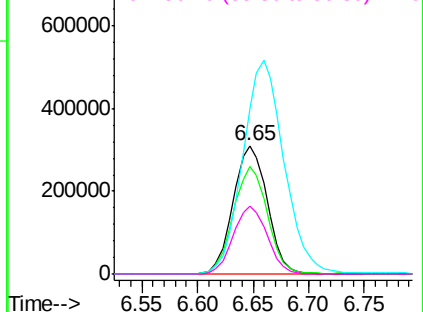
Abundance

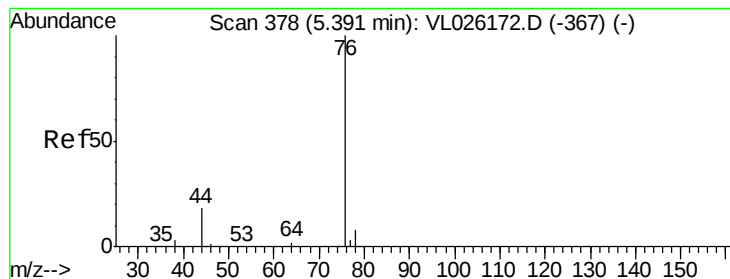
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.87 ppbv

RT: 5.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

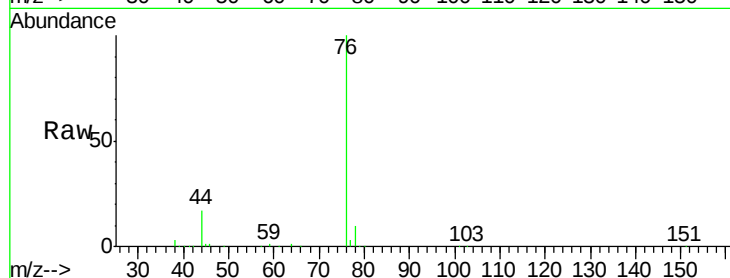
Tot Ion: 76 Resp: 961714

Ion Ratio Lower Upper

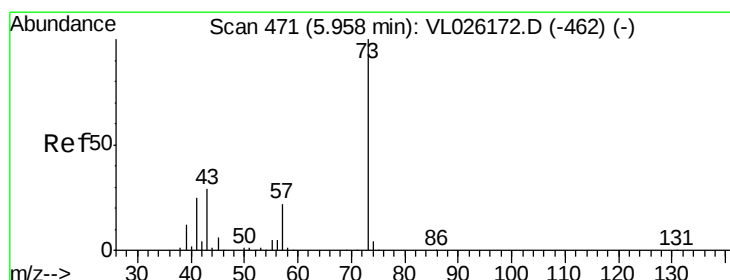
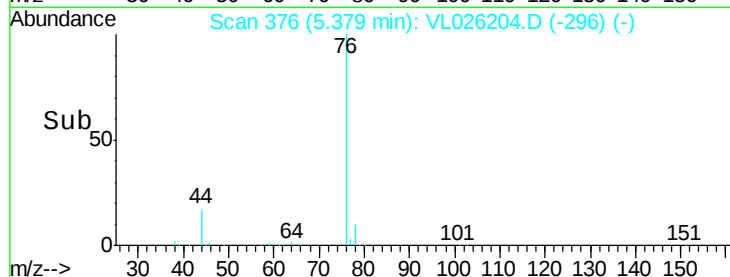
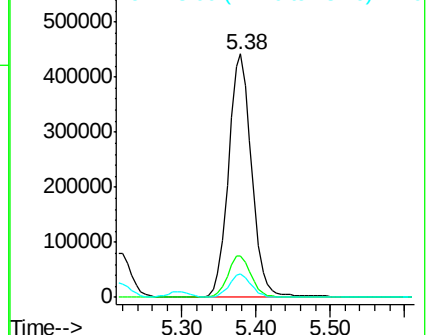
76 100

44 17.4 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: 12.84 ppbv

RT: 5.94 min Scan# 468

Delta R.T. -0.02 min

Lab File: VL026204.D

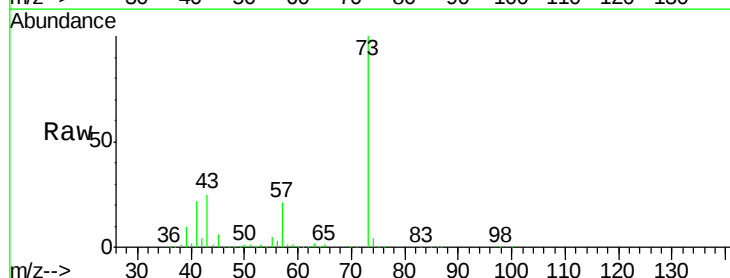
Acq: 10 Oct 2015 9:31

Tgt Ion: 73 Resp: 1290783

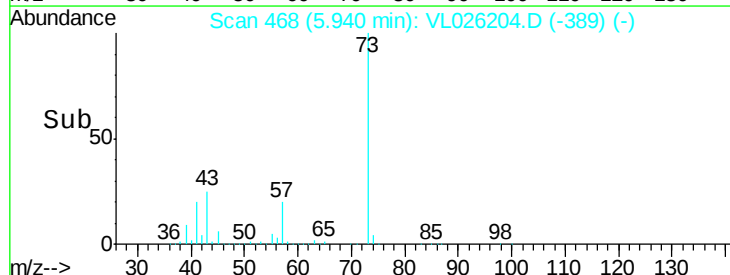
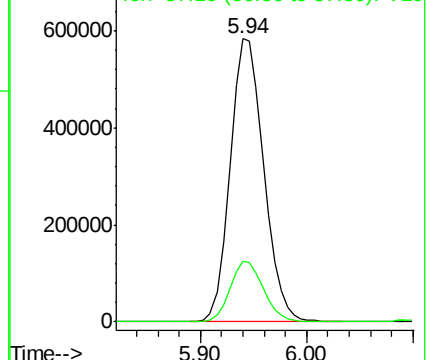
Ion Ratio Lower Upper

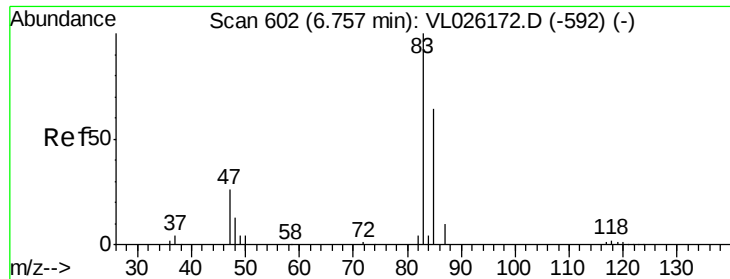
73 100

57 21.2 17.8 26.6



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

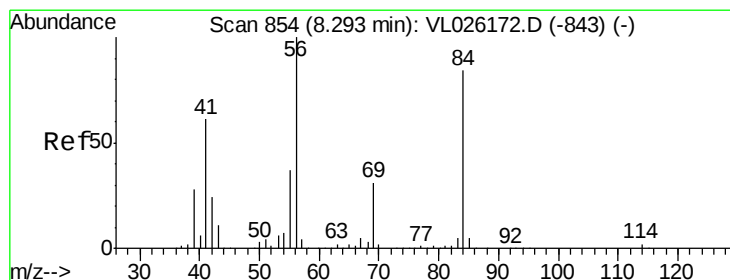
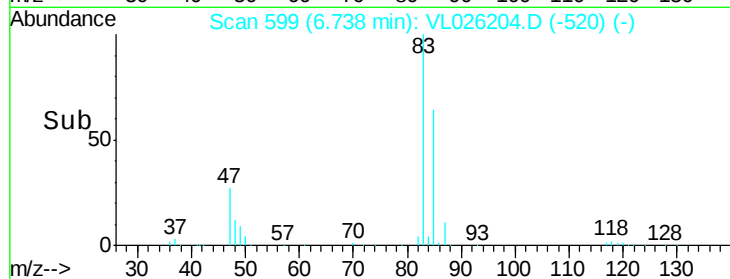
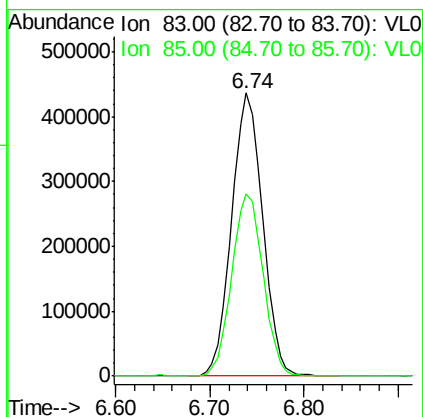
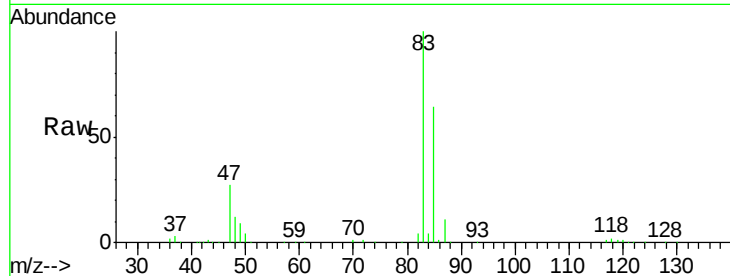




#29
Chloroform
Concen: 10.83 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

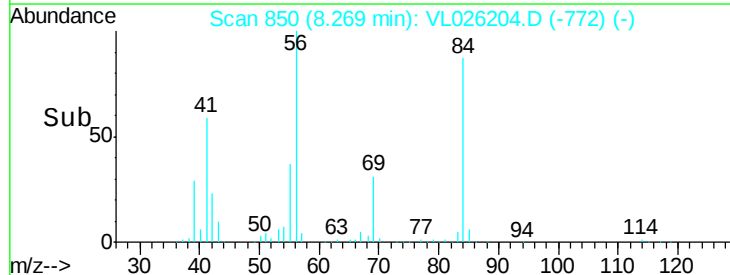
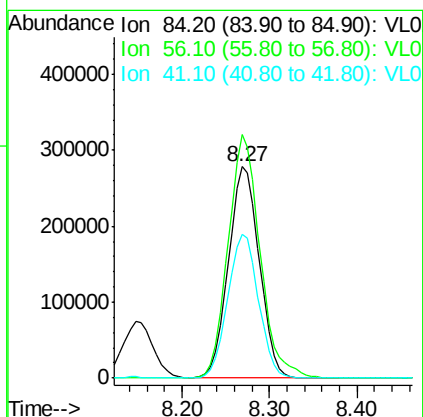
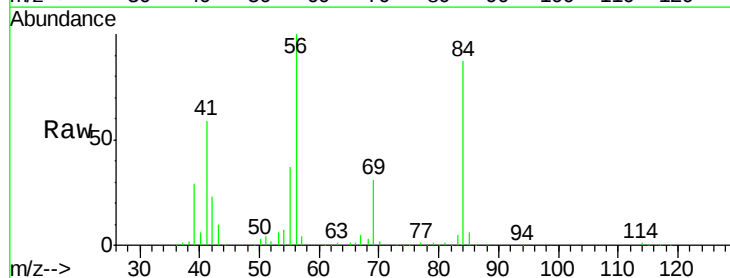
Instrument :
MSVOA_L
ClientSampleId :

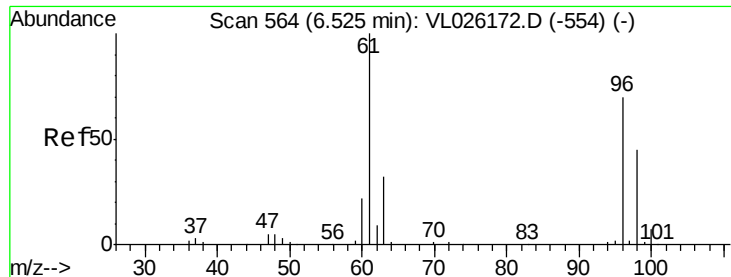
Tot Ion: 83 Resp: 1000637
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3



#30
Cyclohexane
Concen: 11.52 ppbv
RT: 8.27 min Scan# 850
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 84 Resp: 684493
Ion Ratio Lower Upper
84 100
56 119.0 99.8 149.8
41 67.9 58.1 87.1





#31

cis-1,2-Dichloroethene

Concen: 11.02 ppbv

RT: 6.51 min Scan# 561

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampled :

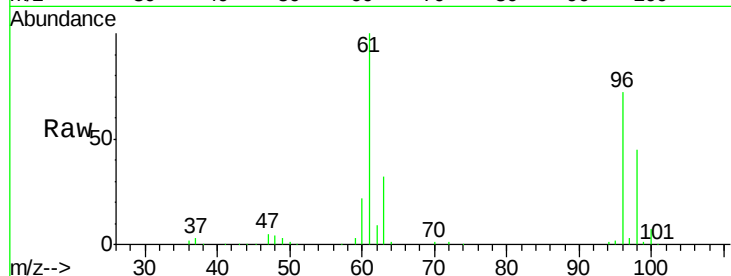
Tot Ion: 61 Resp: 626573

Ion Ratio Lower Upper

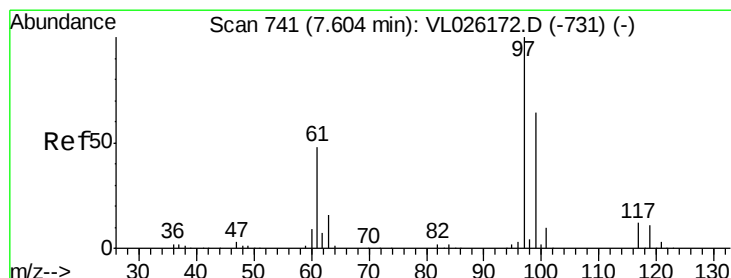
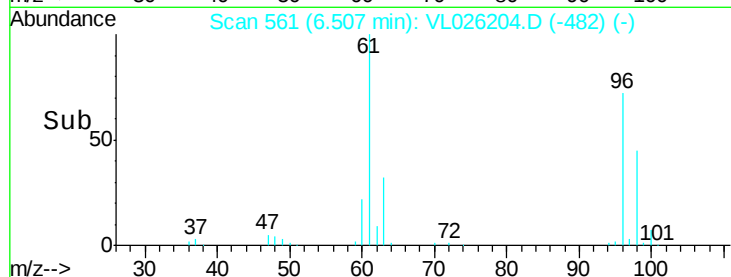
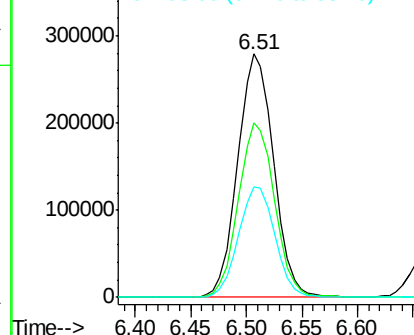
61 100

96 71.7 55.8 83.8

98 45.1 35.8 53.6



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 12.34 ppbv

RT: 7.59 min Scan# 738

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

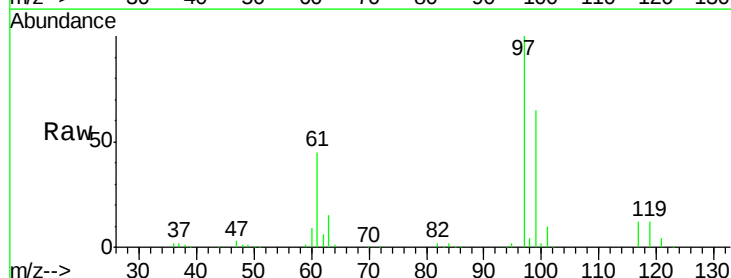
Tgt Ion: 97 Resp: 1089876

Ion Ratio Lower Upper

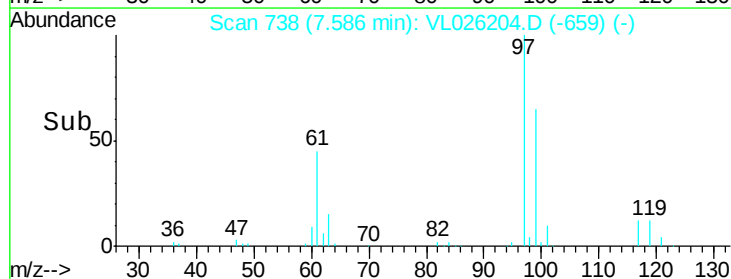
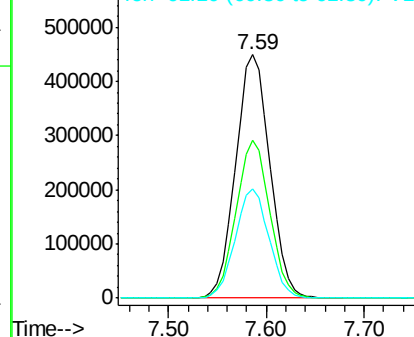
97 100

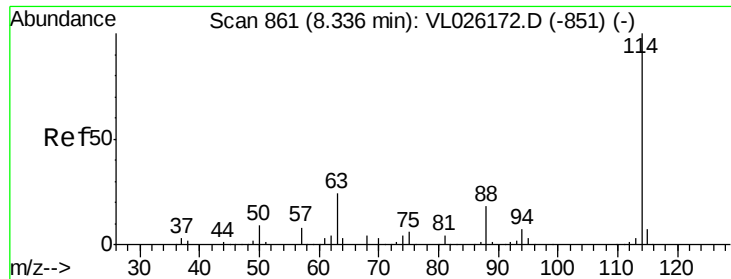
99 63.9 51.3 76.9

61 44.4 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

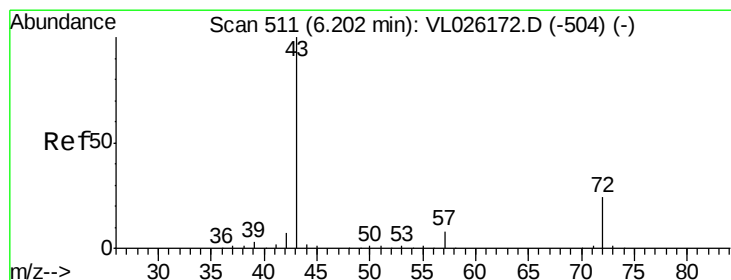
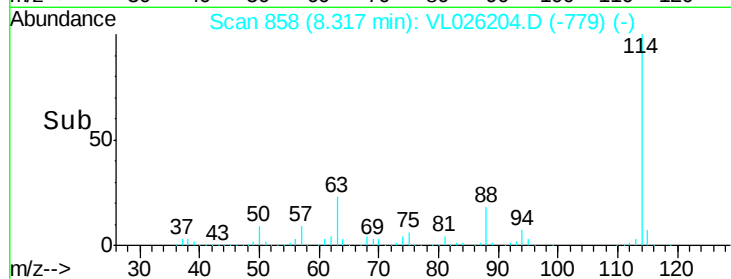
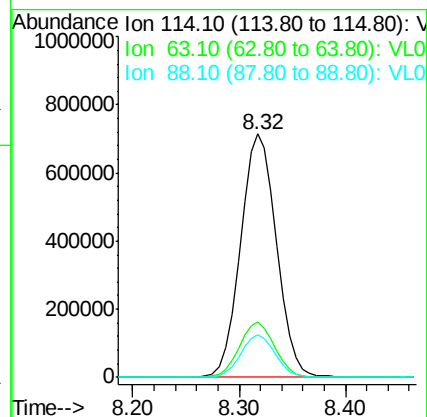
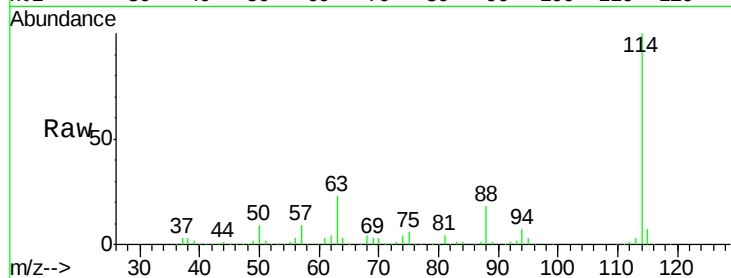




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

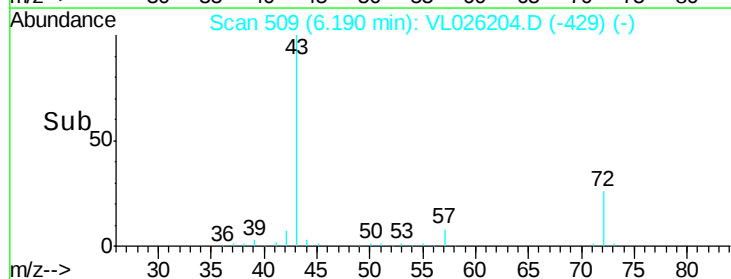
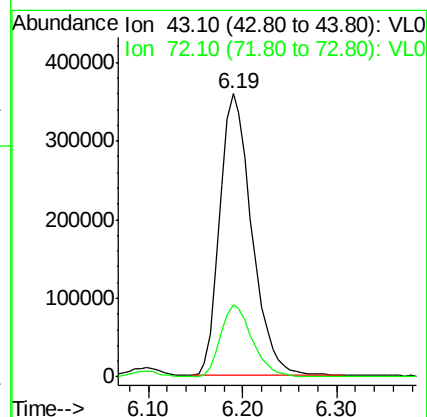
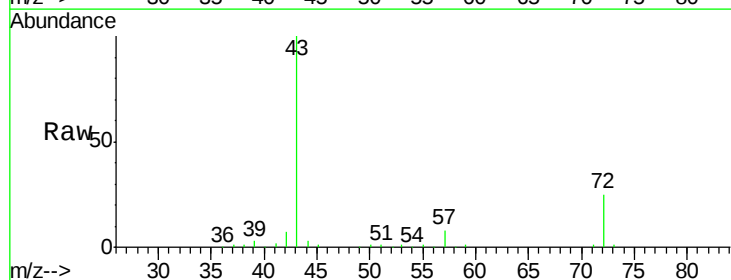
Instrument :
 MSVOA_L
 ClientSampleId :

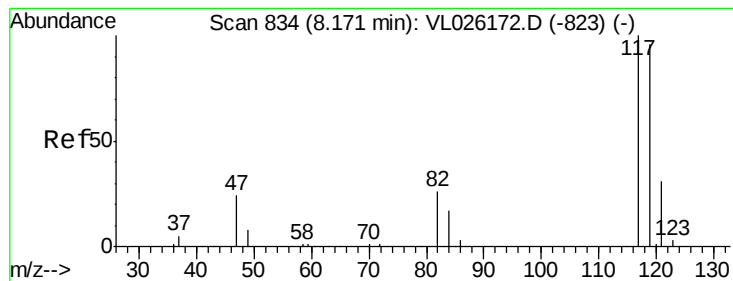
Tot Ion:114 Resp: 1689058
 Ion Ratio Lower Upper
 114 100
 63 22.7 19.0 28.6
 88 17.0 13.8 20.8



#34
 2-Butanone
 Concen: 8.97 ppbv
 RT: 6.19 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 43 Resp: 843314
 Ion Ratio Lower Upper
 43 100
 72 25.6 19.6 29.4





#35

Carbon Tetrachloride

Concen: 10.70 ppbv

RT: 8.15 min Scan# 830

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

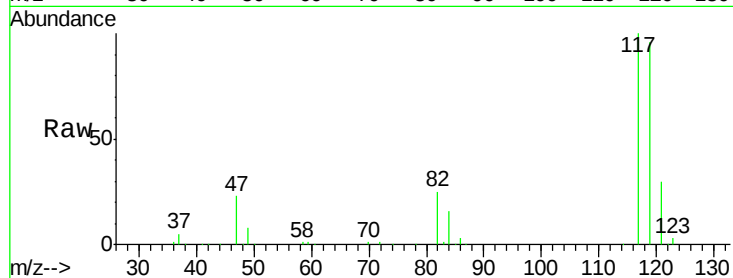
Tot Ion:117 Resp: 1145624

Ion Ratio Lower Upper

117 100

119 96.0 76.6 115.0

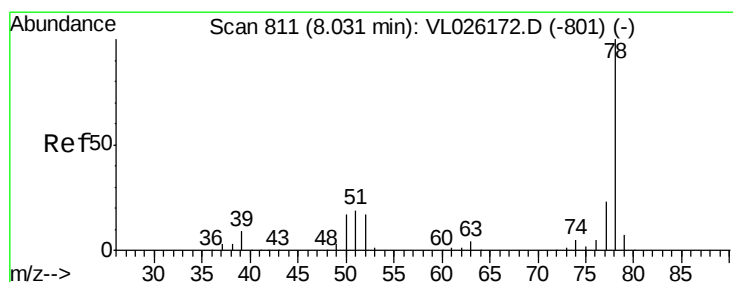
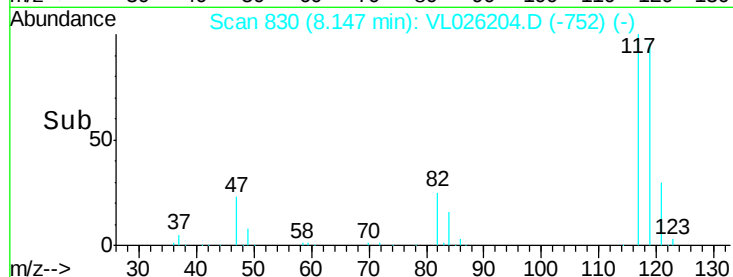
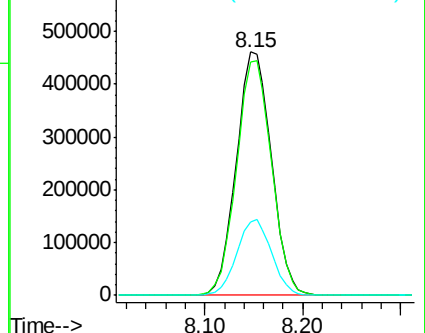
121 30.3 25.0 37.4



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: 9.34 ppbv

RT: 8.01 min Scan# 808

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

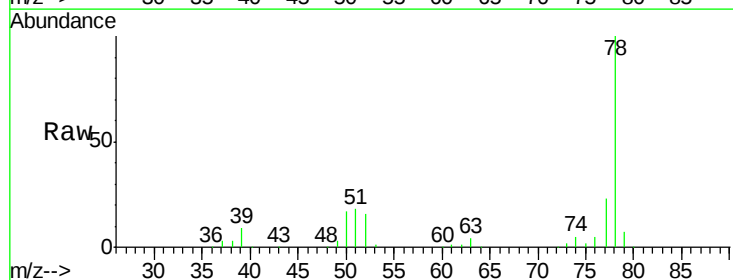
Tgt Ion: 78 Resp: 1508528

Ion Ratio Lower Upper

78 100

77 23.1 18.2 27.4

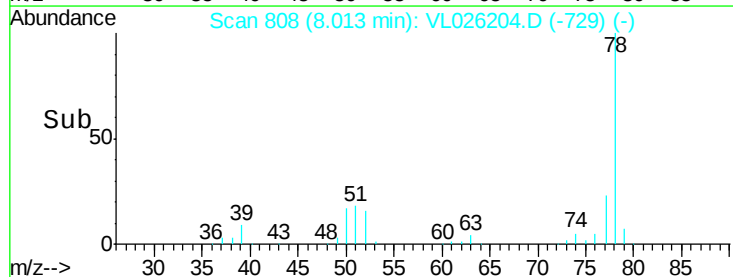
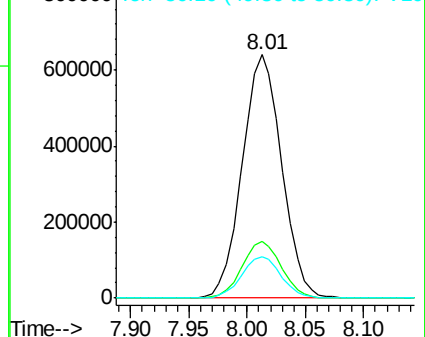
50 17.0 13.4 20.2

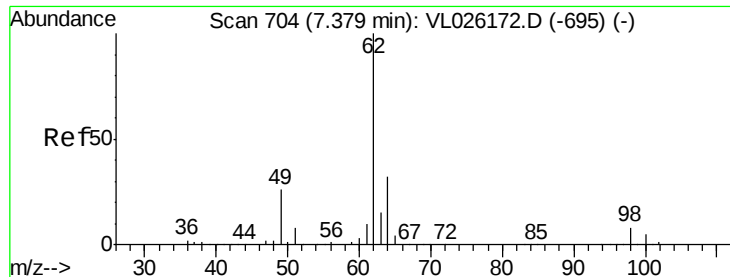


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

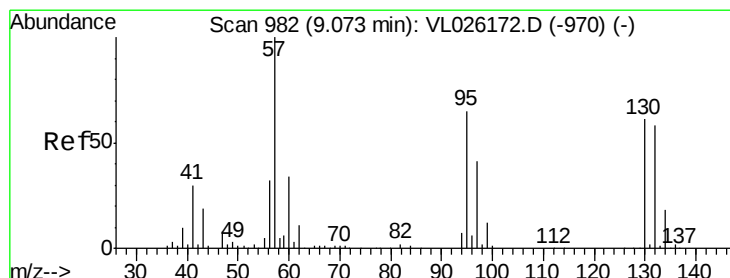
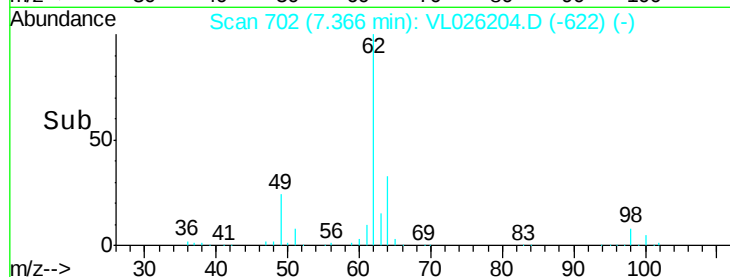
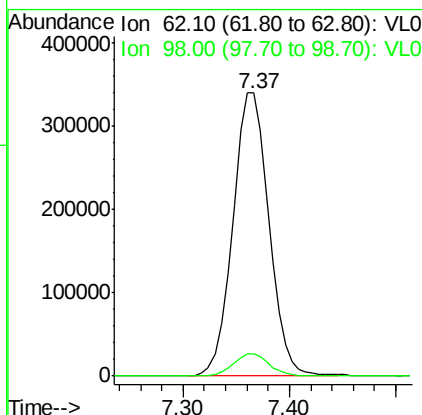
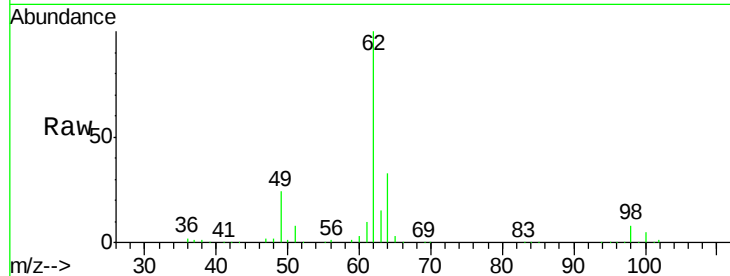




#37
 1,2-Dichloroethane
 Concen: 9.34 ppbv
 RT: 7.37 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

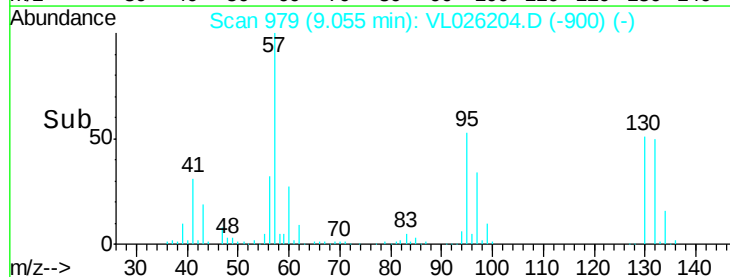
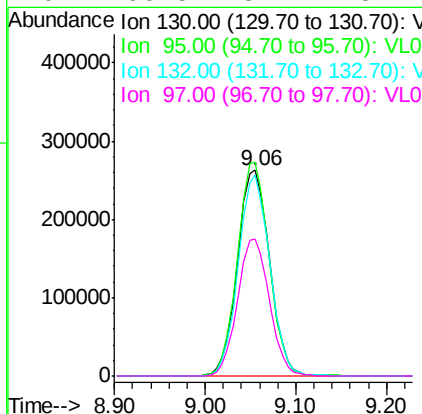
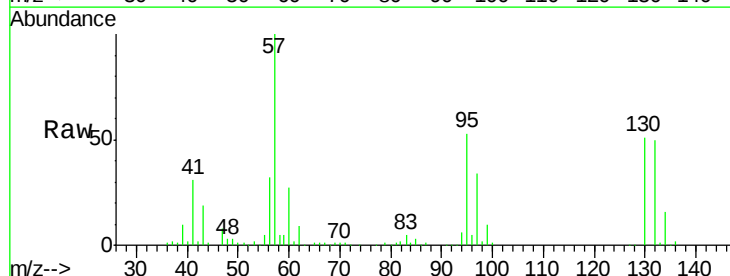
Instrument :
 MSVOA_L
 ClientSampleId :

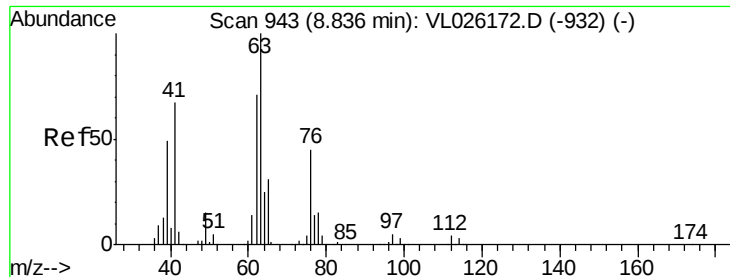
Tot Ion: 62 Resp: 808243
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.2 9.2



#38
 Trichloroethene
 Concen: 8.75 ppbv
 RT: 9.06 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 130 Resp: 649194
 Ion Ratio Lower Upper
 130 100
 95 103.7 84.9 127.3
 132 97.7 76.8 115.2
 97 66.5 54.1 81.1

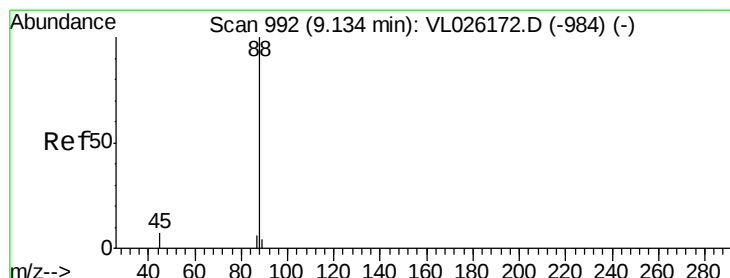
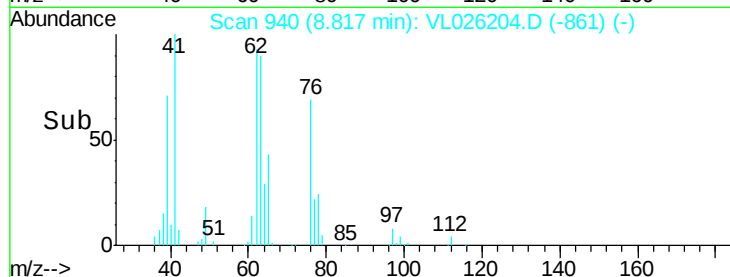
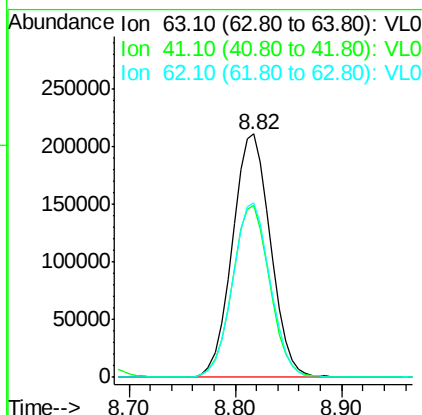
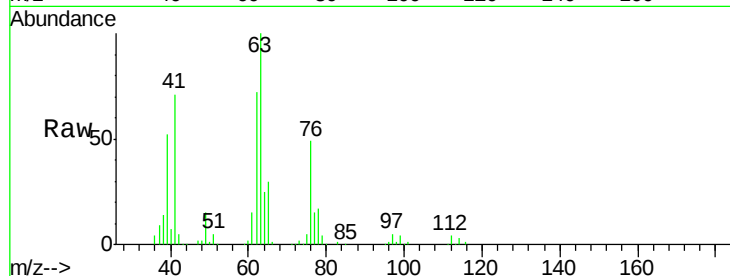




#39
 1,2-Dichloropropane
 Concen: 8.84 ppbv
 RT: 8.82 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

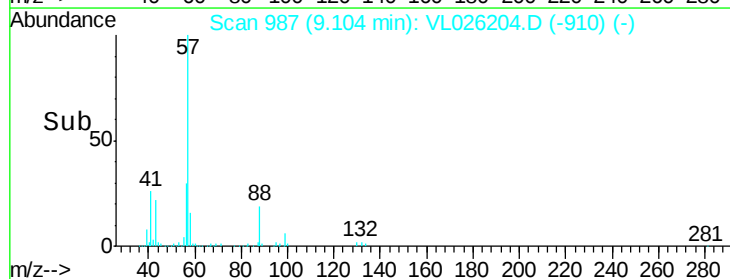
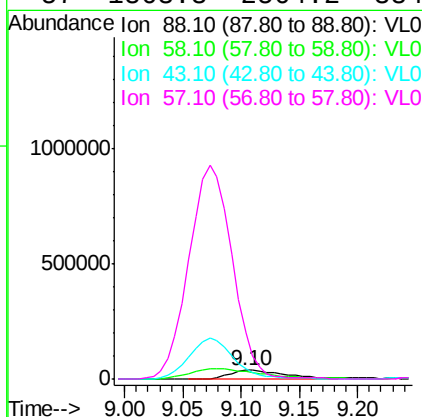
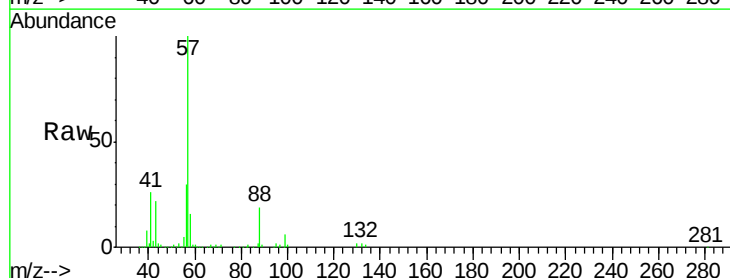
Instrument :
 MSVOA_L
 ClientSampleId :

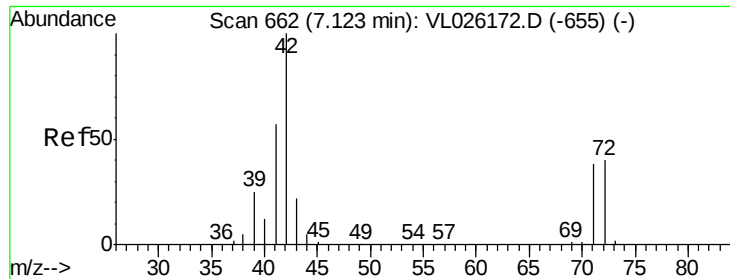
Tot Ion: 63 Resp: 530591
 Ion Ratio Lower Upper
 63 100
 41 70.4 53.9 80.9
 62 71.7 57.1 85.7



#40
 1,4-Dioxane
 Concen: 13.15 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 88 Resp: 129937
 Ion Ratio Lower Upper
 88 100
 58 154.7 178.4 267.6#
 43 373.4 510.2 765.4#
 57 1863.3 2564.2 3846.4#





#41

Tetrahydrofuran

Concen: 8.78 ppbv

RT: 7.11 min Scan# 660

Delta R.T. -0.01 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampled :

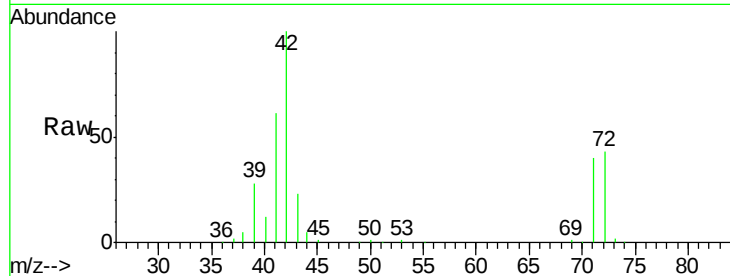
Tot Ion: 42 Resp: 464918

Ion Ratio Lower Upper

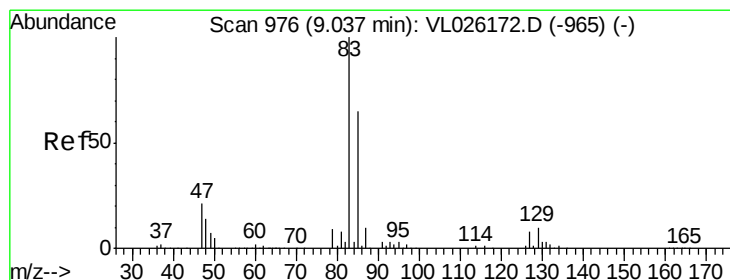
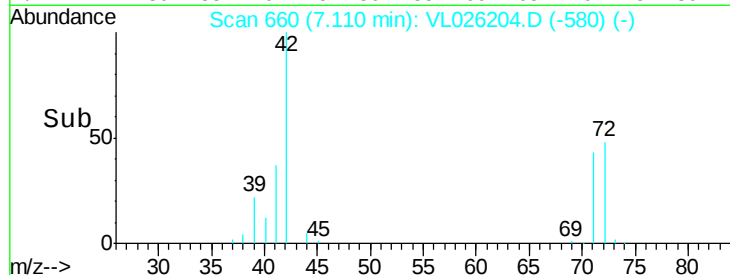
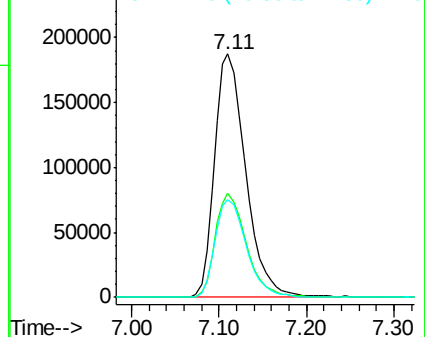
42 100

72 42.4 32.4 48.6

71 40.6 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.23 ppbv

RT: 9.01 min Scan# 972

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

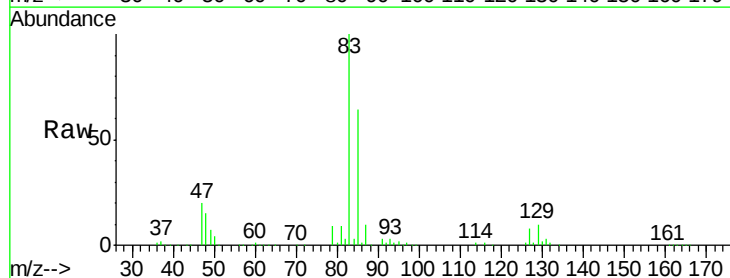
Tgt Ion: 83 Resp: 1165250

Ion Ratio Lower Upper

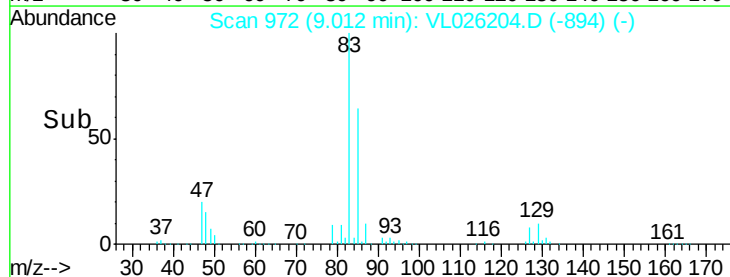
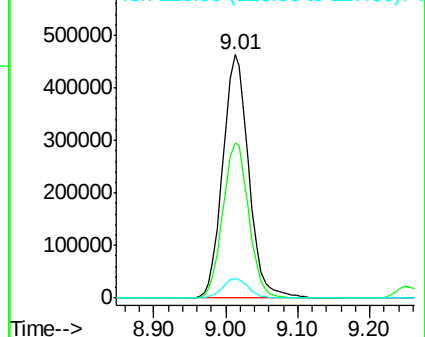
83 100

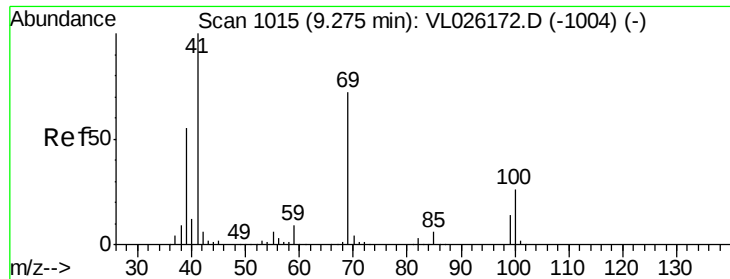
85 63.8 51.9 77.9

127 8.2 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

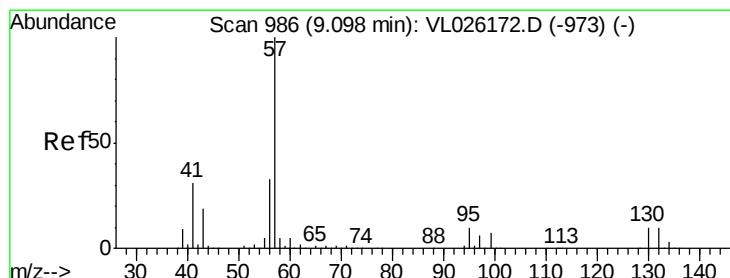
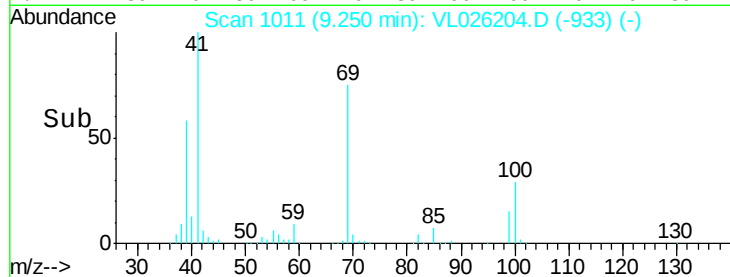
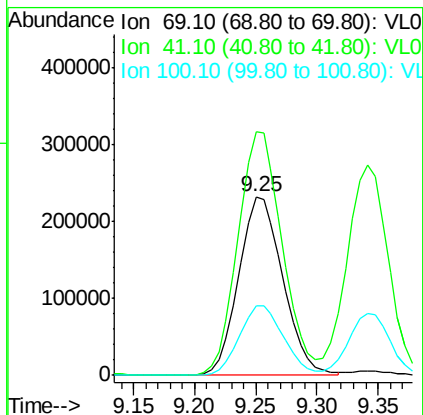
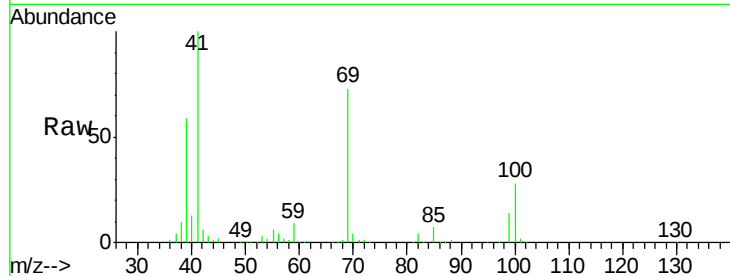




#43
Methvl Methacrilate
Concen: 10.22 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

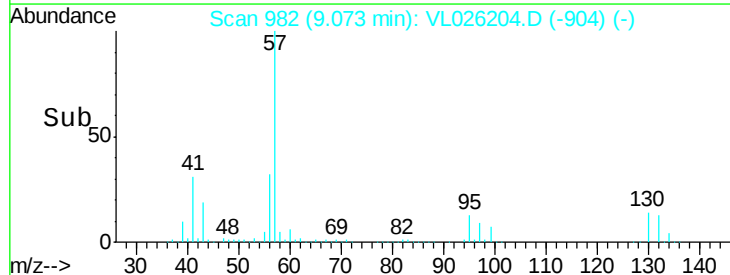
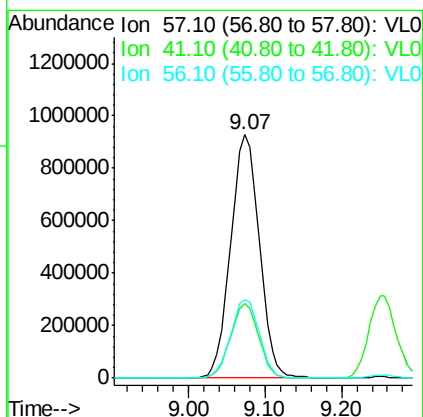
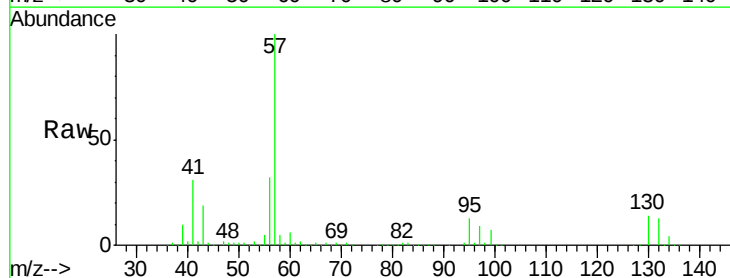
Instrument :
MSVOA_L
ClientSampleId :

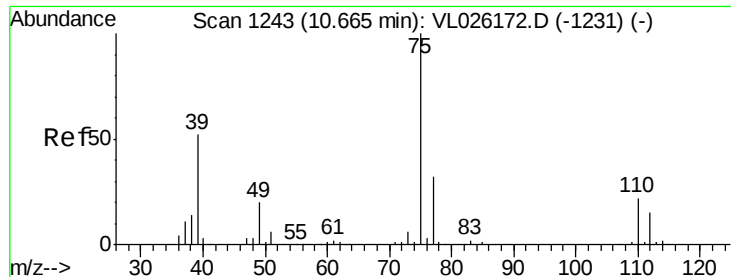
Tot Ion: 69 Resp: 581627
Ion Ratio Lower Upper
69 100
41 137.4 111.5 167.3
100 39.3 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 9.00 ppbv
RT: 9.07 min Scan# 982
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 57 Resp: 2418263
Ion Ratio Lower Upper
57 100
41 29.9 23.7 35.5
56 32.2 26.4 39.6

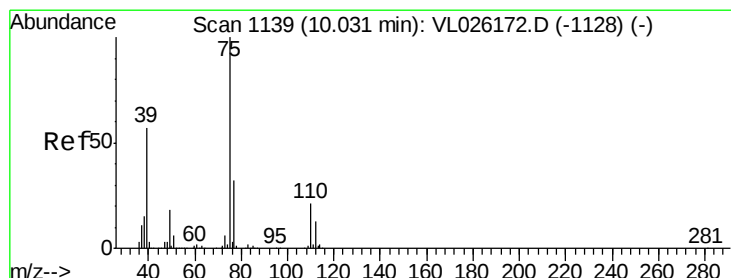
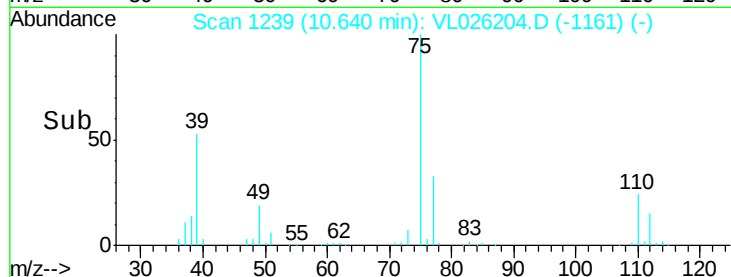
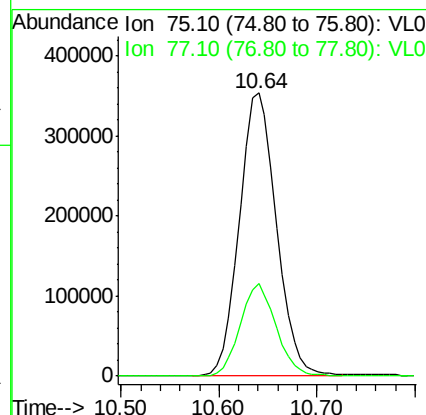
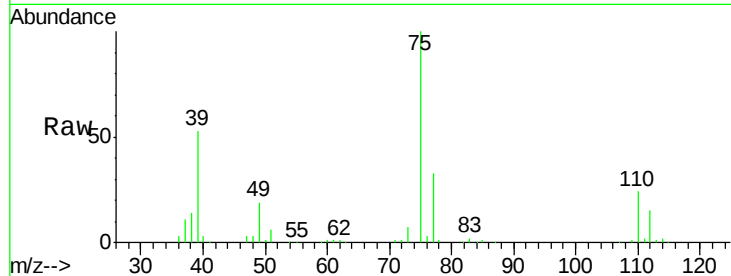




#45
 t-1,3-Dichloropropene
 Concen: 11.90 ppbv
 RT: 10.64 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

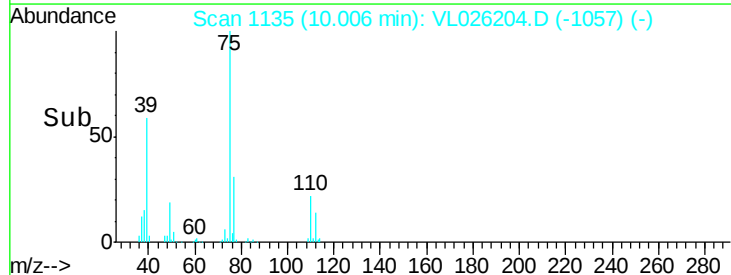
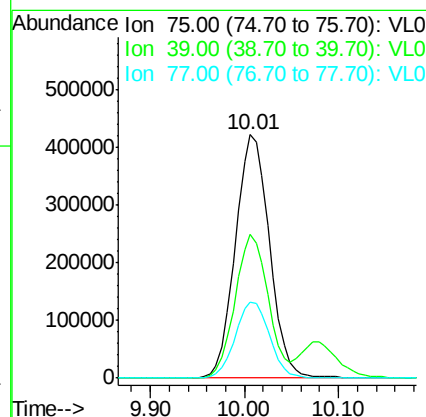
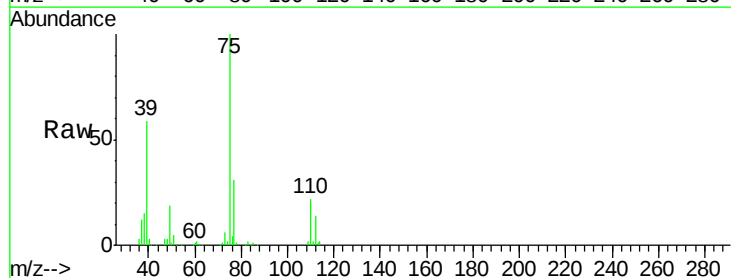
Instrument :
 MSVOA_L
 ClientSampled :

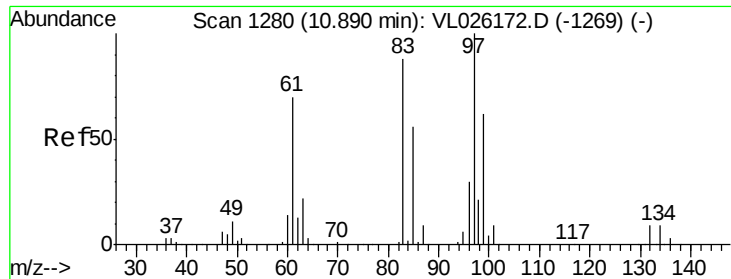
Tot Ion: 75 Resp: 931879
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.08 ppbv
 RT: 10.01 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 75 Resp: 1065210
 Ion Ratio Lower Upper
 75 100
 39 58.8 45.4 68.2
 77 31.4 25.4 38.2

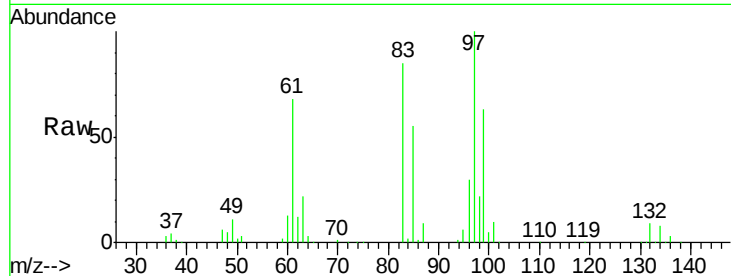




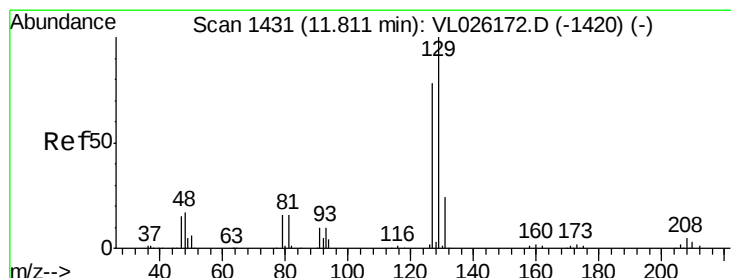
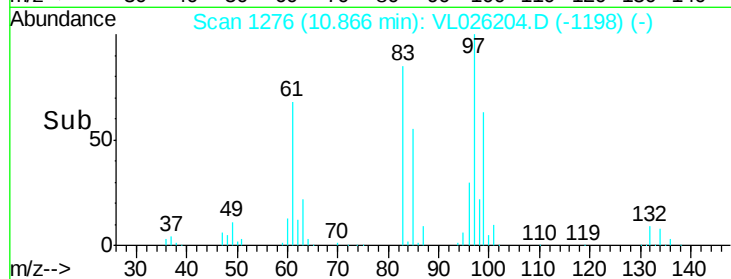
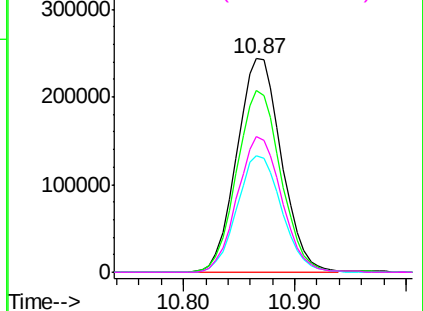
#47
 1,1,2-Trichloroethane
 Concen: 9.43 ppbv
 RT: 10.87 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 678795
 Ion Ratio Lower Upper
 97 100
 83 85.3 70.6 106.0
 85 54.8 45.1 67.7
 99 63.3 49.9 74.9

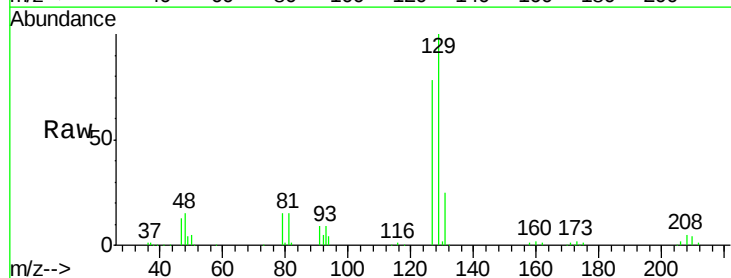


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

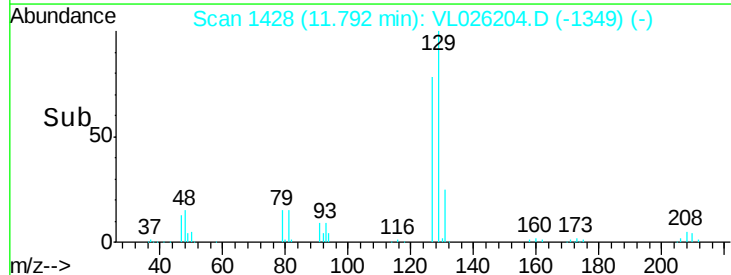
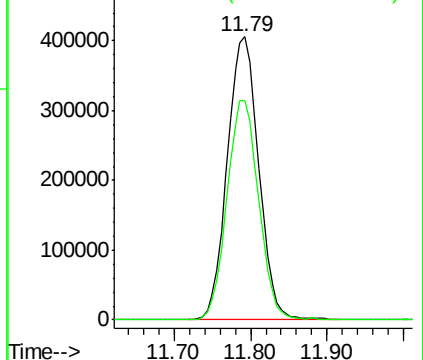


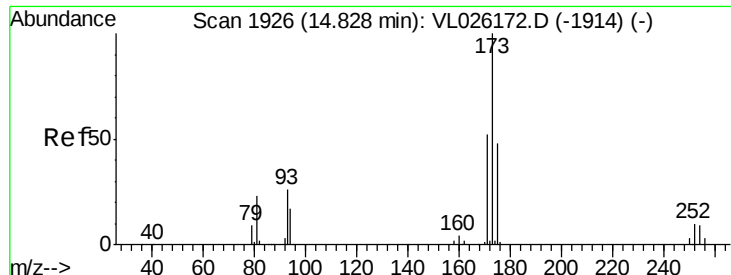
#48
 Dibromochloromethane
 Concen: 11.32 ppbv
 RT: 11.79 min Scan# 1428
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 129 Resp: 1155197
 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: 12.61 ppbv

RT: 14.80 min Scan# 1922

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampled :

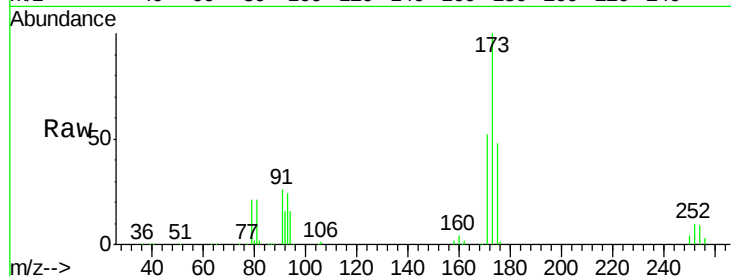
Tot Ion:173 Resp: 968955

Ion Ratio Lower Upper

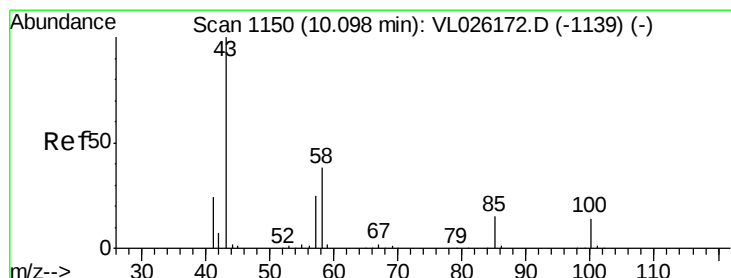
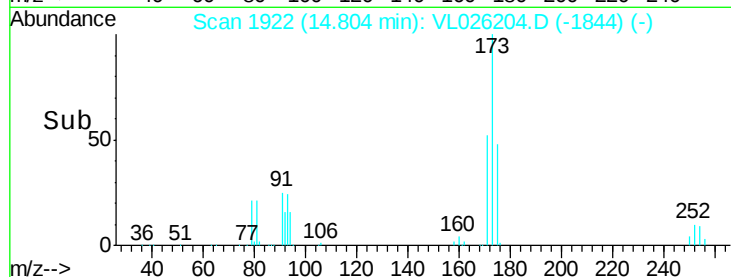
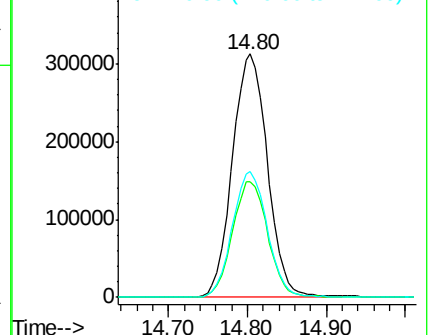
173 100

175 48.3 39.0 58.6

171 51.7 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: 9.53 ppbv

RT: 10.07 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VL026204.D

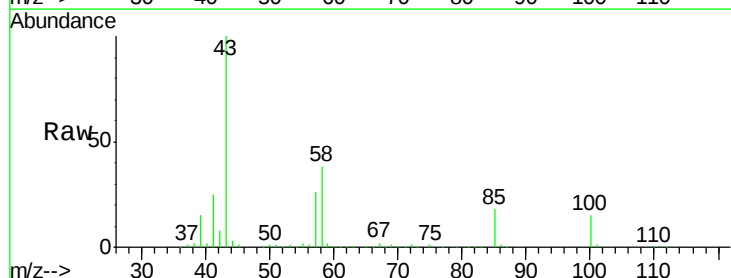
Acq: 10 Oct 2015 9:31

Tgt Ion: 43 Resp: 1185287

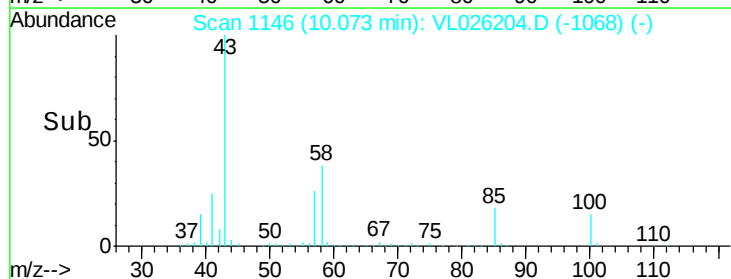
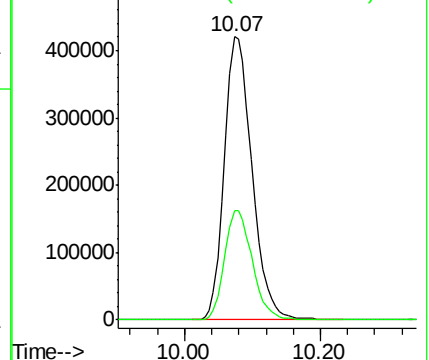
Ion Ratio Lower Upper

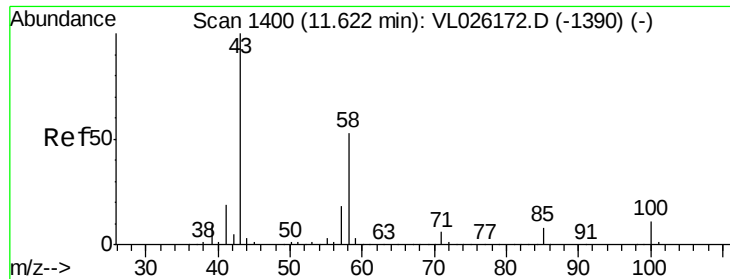
43 100

58 38.9 30.4 45.6



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

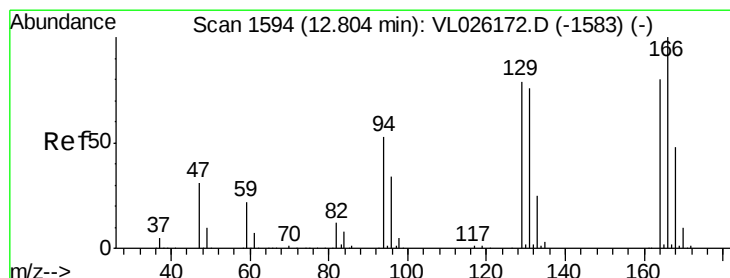
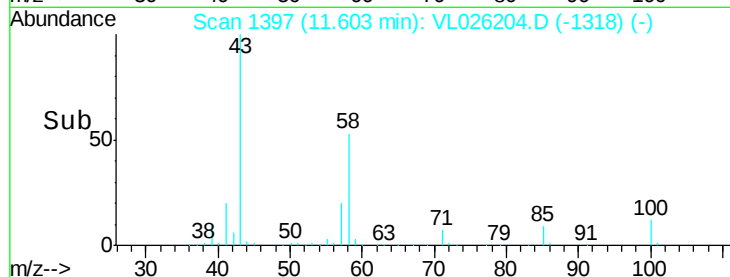
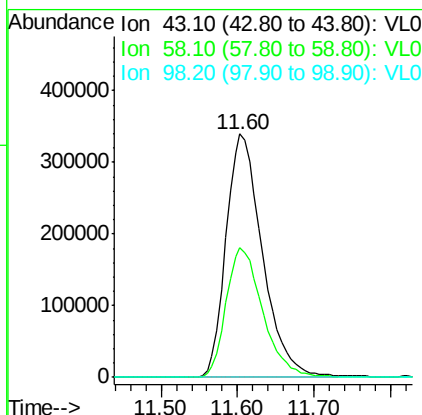
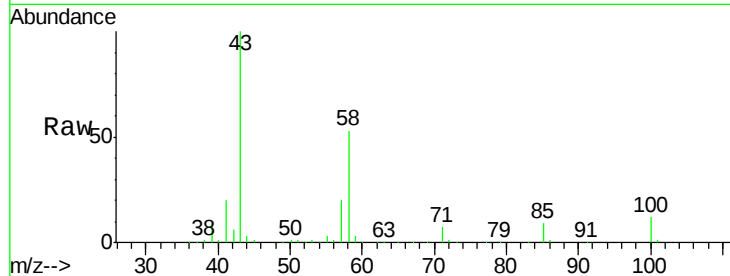




#51
2-Hexanone
Concen: 9.99 ppbv
RT: 11.60 min Scan# 1397
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

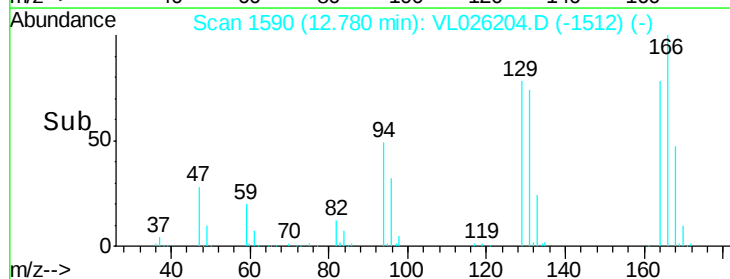
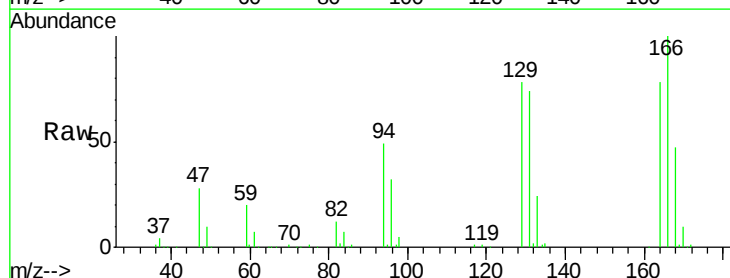
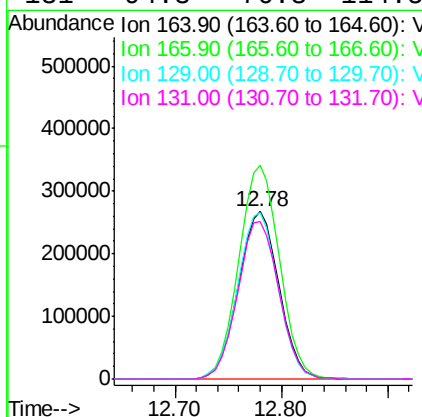
Instrument :
MSVOA_L
ClientSampleId :

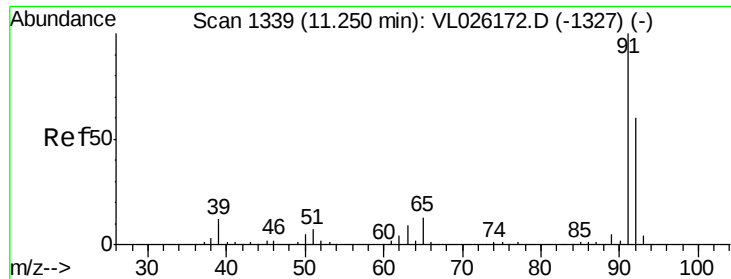
Tot Ion: 43 Resp: 1116345
Ion Ratio Lower Upper
43 100
58 53.9 42.2 63.4
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.99 ppbv
RT: 12.78 min Scan# 1590
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion:164 Resp: 717504
Ion Ratio Lower Upper
164 100
166 127.4 99.9 149.9
129 98.9 79.1 118.7
131 94.3 76.3 114.5





#53

Toluene

Concen: 9.98 ppbv

RT: 11.23 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

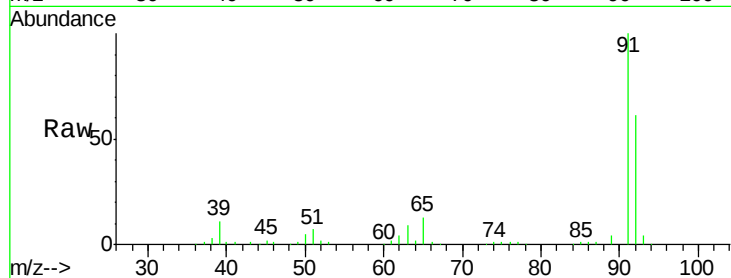
ClientSampleId :

Tot Ion: 91 Resp: 2077887

Ion Ratio Lower Upper

91 100

92 60.9 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

11.23

800000

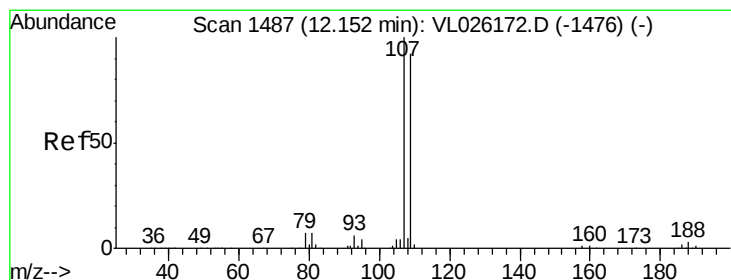
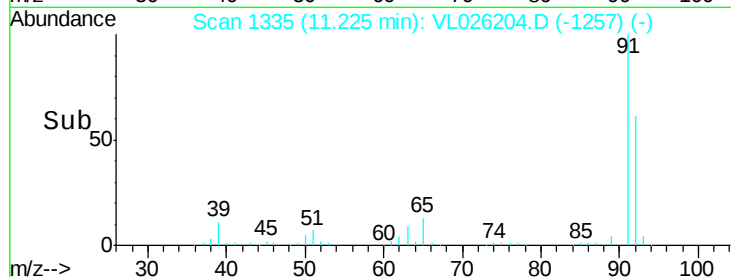
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.84 ppbv

RT: 12.13 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VL026204.D

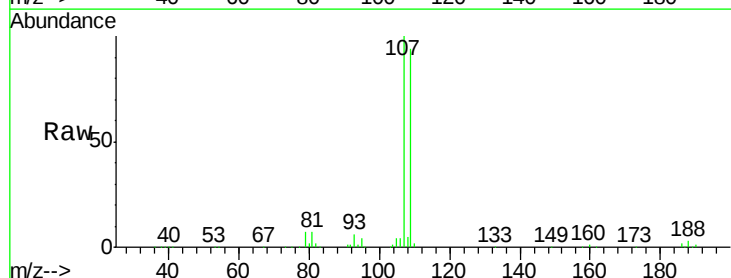
Acq: 10 Oct 2015 9:31

Tgt Ion:107 Resp: 1062310

Ion Ratio Lower Upper

107 100

109 94.0 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12.13

400000

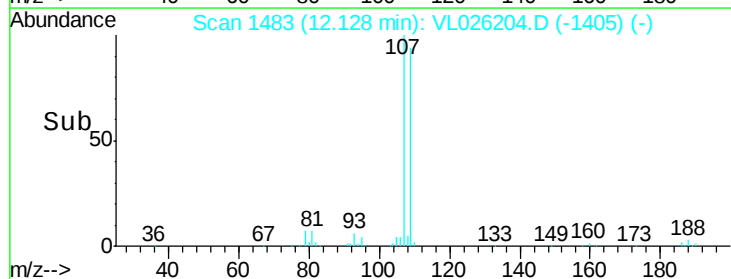
300000

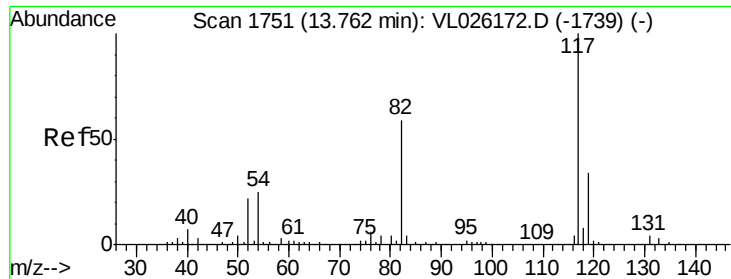
200000

100000

0

Time-->

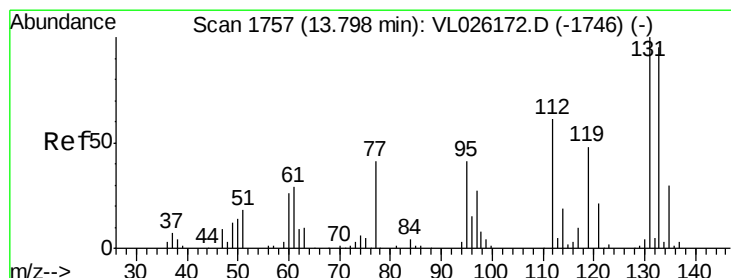
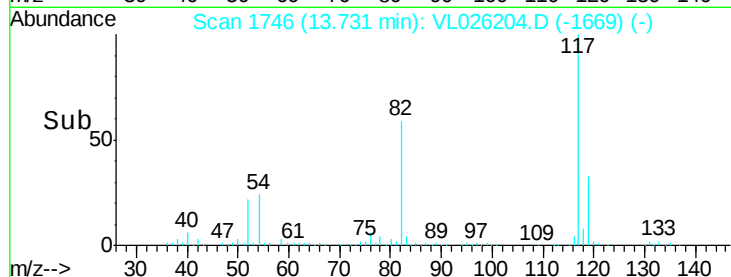
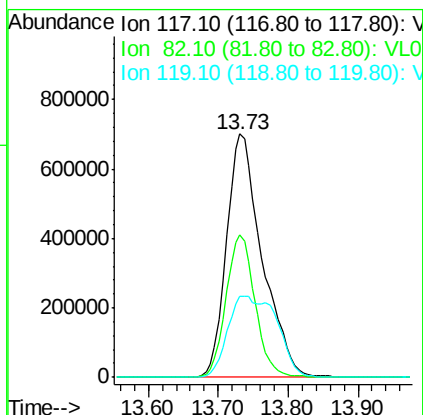
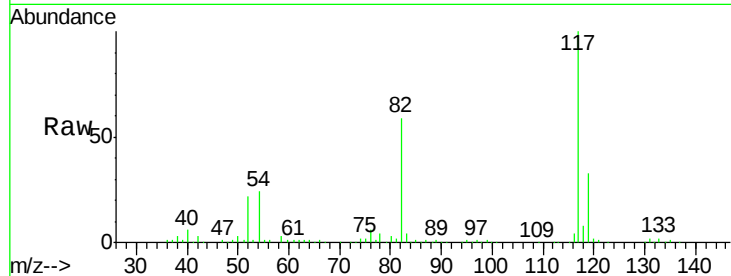




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.73 min Scan# 1746
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

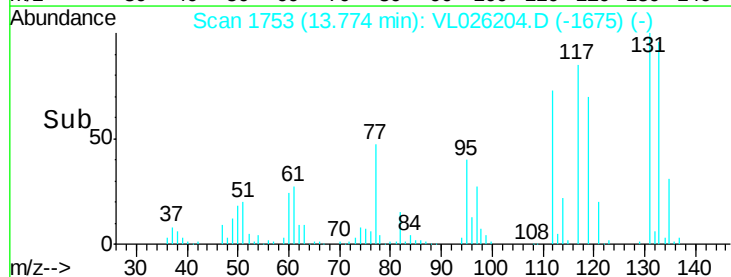
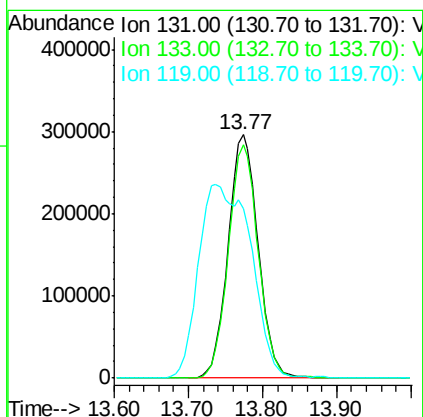
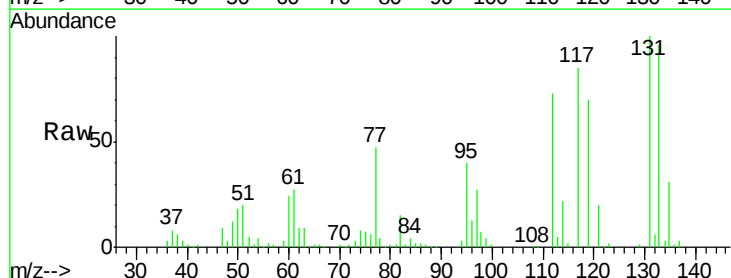
Instrument :
MSVOA_L
ClientSampleId :

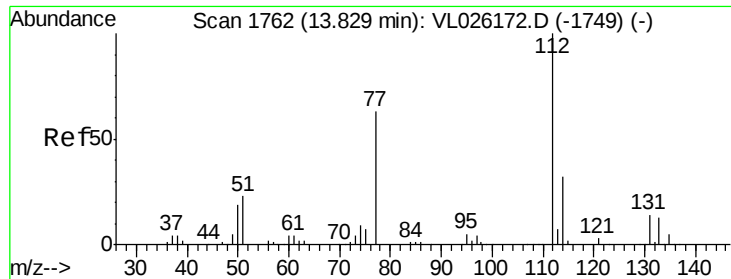
Tot Ion:117 Resp: 2473565
Ion Ratio Lower Upper
117 100
82 48.4 47.7 71.5
119 46.7 43.7 65.5



#56
1,1,1,2-Tetrachloroethane
Concen: 8.43 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion:131 Resp: 835628
Ion Ratio Lower Upper
131 100
133 95.8 76.5 114.7
119 138.2 116.0 174.0

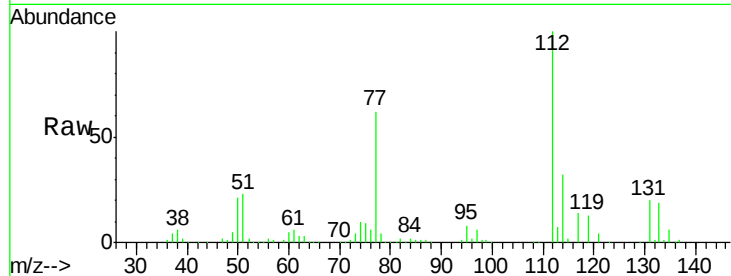




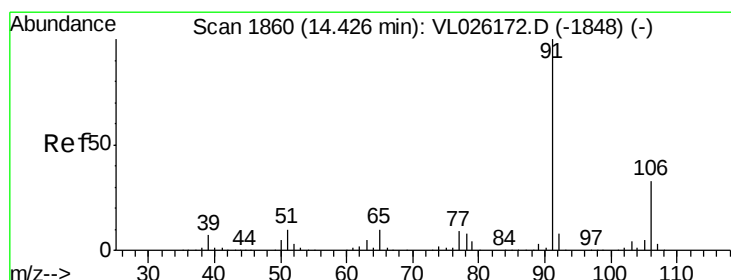
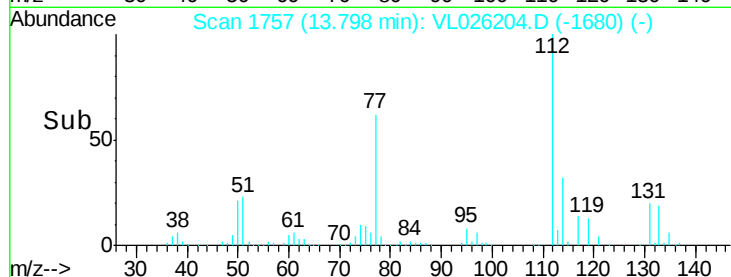
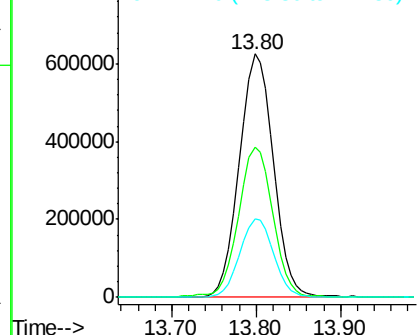
#57
Chlorobenzene
Concen: 7.71 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 112 Resp: 1720856
Ion Ratio Lower Upper
112 100
77 61.3 51.0 76.4
114 32.2 29.0 35.4

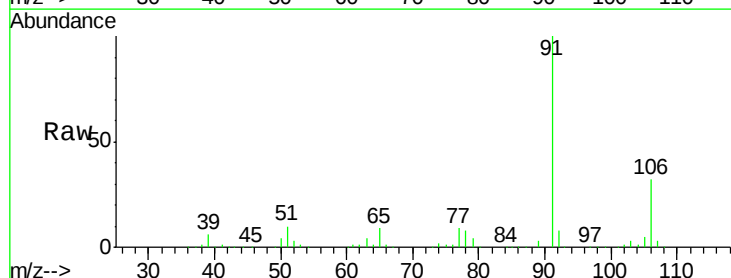


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

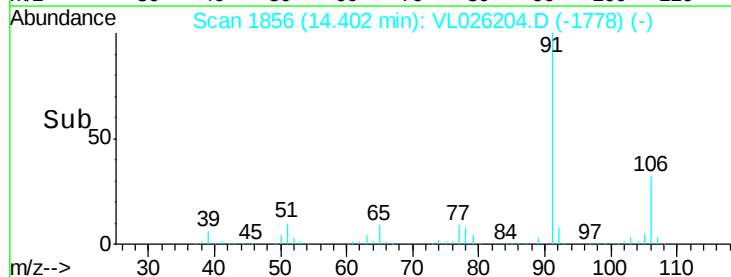
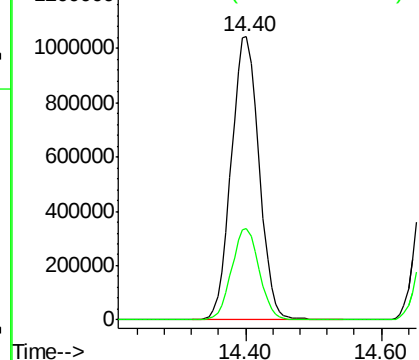


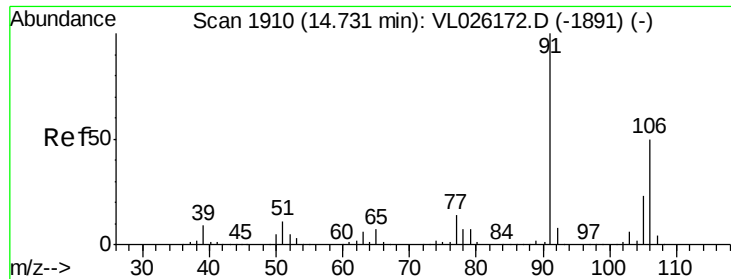
#58
Ethyl Benzene
Concen: 8.24 ppbv
RT: 14.40 min Scan# 1856
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 91 Resp: 2961877
Ion Ratio Lower Upper
91 100
106 32.1 26.1 39.1



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

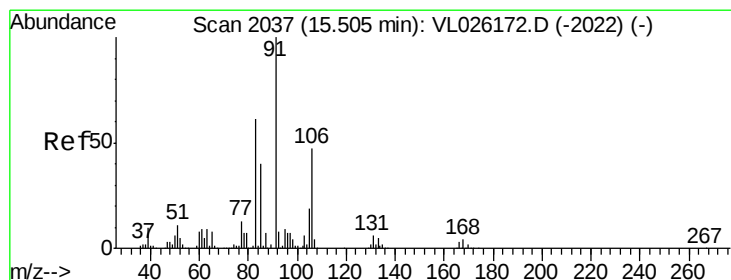
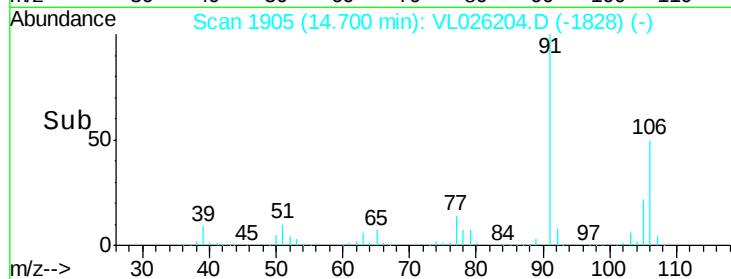
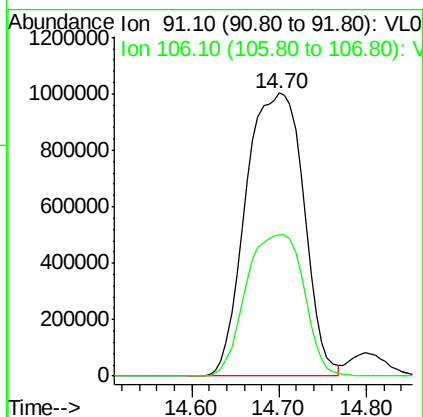
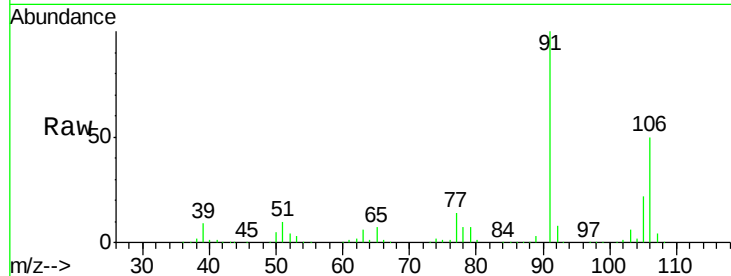




#59
m/p-Xylene
Concen: 15.94 ppbv
RT: 14.70 min Scan# 1905
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

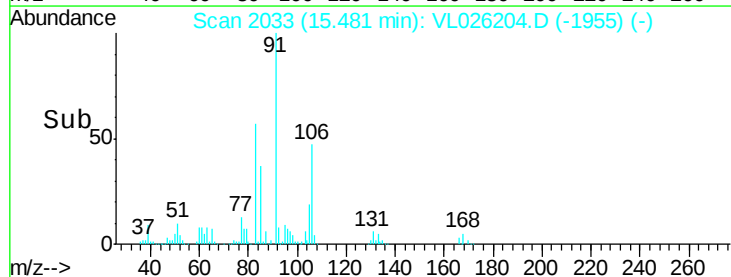
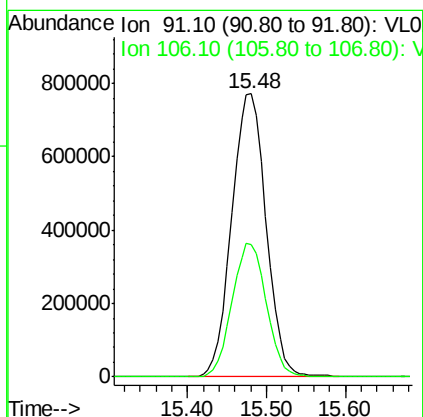
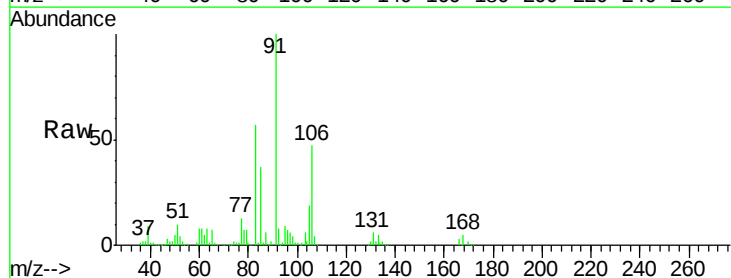
Instrument :
MSVOA_L
ClientSampled :

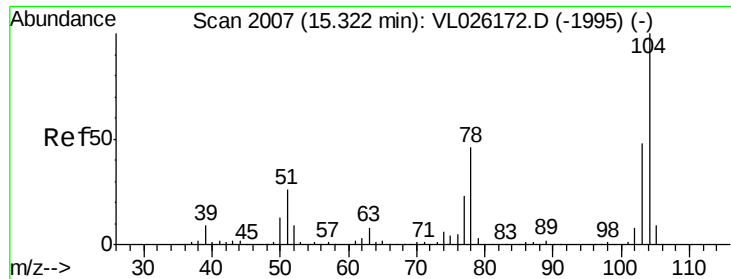
Tot Ion: 91 Resp: 4595462
Ion Ratio Lower Upper
91 100
106 50.4 40.2 60.4



#60
o-Xylene
Concen: 7.75 ppbv
RT: 15.48 min Scan# 2033
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 91 Resp: 2340756
Ion Ratio Lower Upper
91 100
106 47.2 23.4 70.3

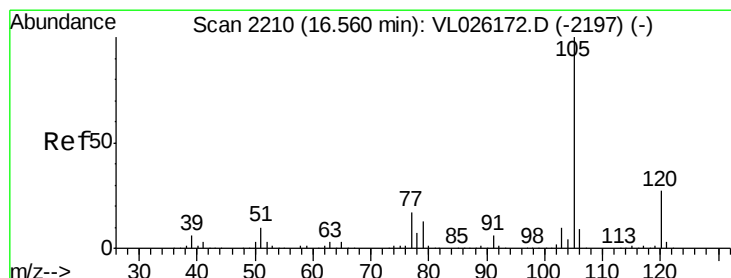
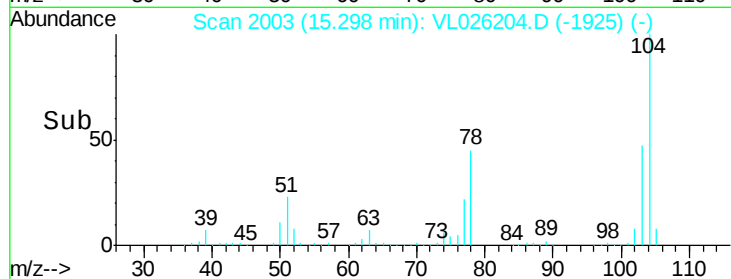
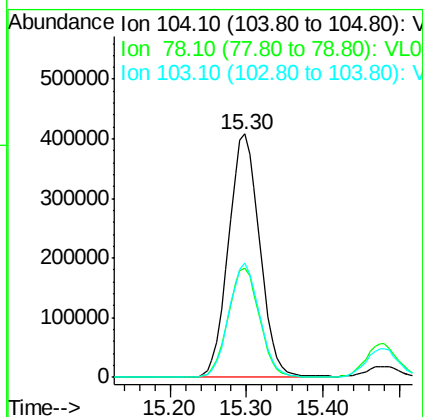
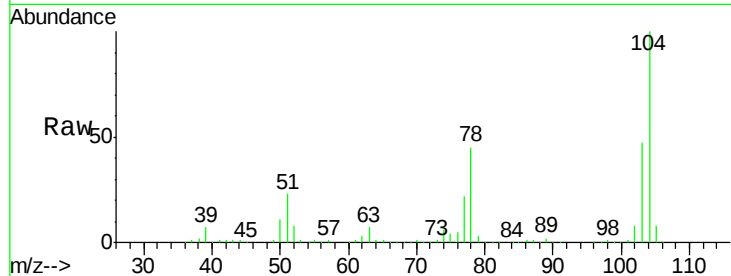




#61
Stvrene
Concen: 9.34 ppbv
RT: 15.30 min Scan# 2003
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

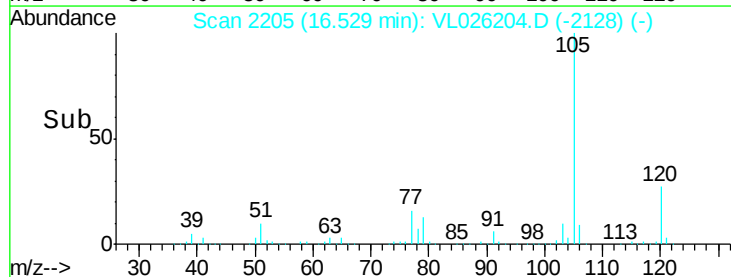
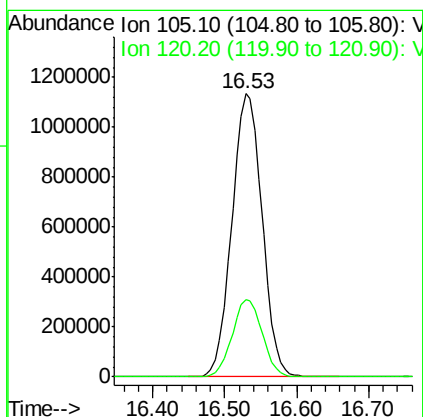
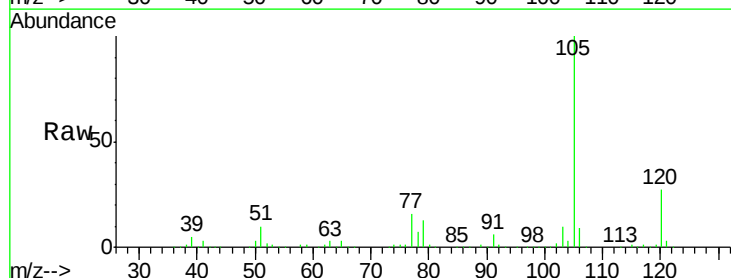
Instrument :
MSVOA_L
ClientSampleId :

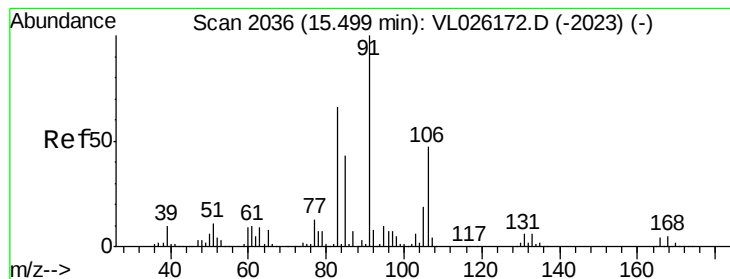
Tot Ion:104 Resp: 1153901
Ion Ratio Lower Upper
104 100
78 45.2 36.1 54.1
103 46.0 37.5 56.3



#62
Isopropylbenzene
Concen: 8.30 ppbv
RT: 16.53 min Scan# 2205
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion:105 Resp: 3306545
Ion Ratio Lower Upper
105 100
120 27.2 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 6.41 ppbv

RT: 15.47 min Scan# 2032

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

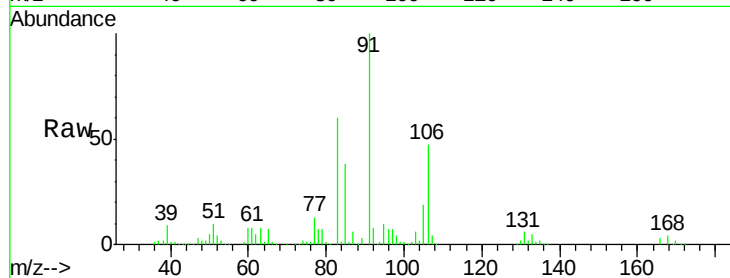
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 83 Resp: 1439686

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.5	13.7
85	65.1	32.6	97.7

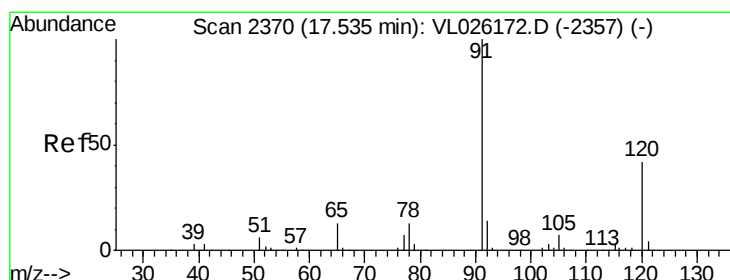
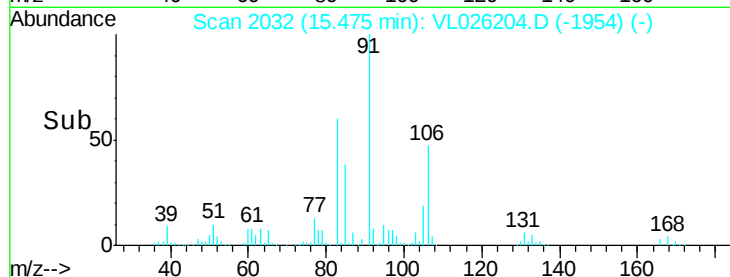
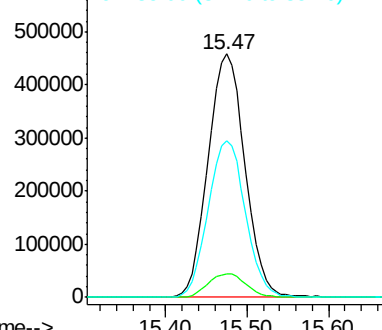


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.48 ppbv

RT: 17.50 min Scan# 2365

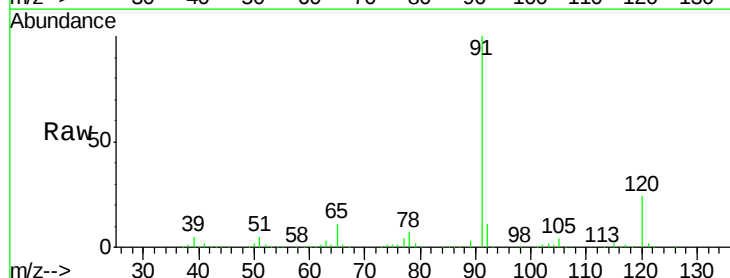
Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:120 Resp: 909911

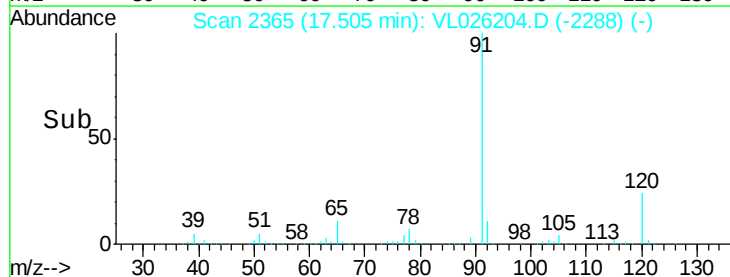
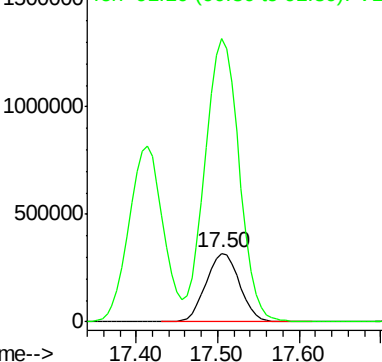
Ion	Ratio	Lower	Upper
120	100		
91	421.4	353.4	530.2

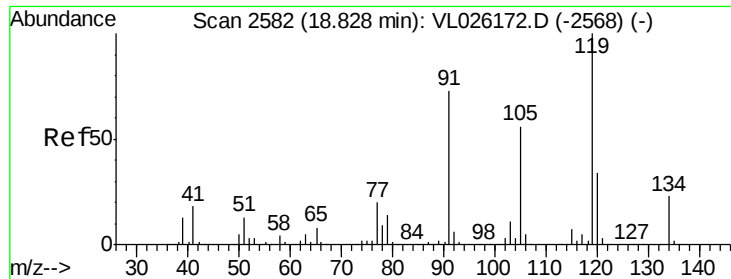


Abundance

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

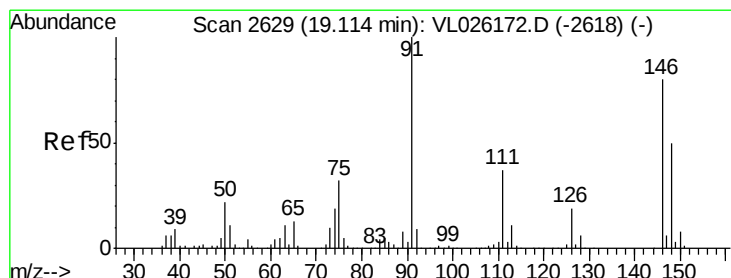
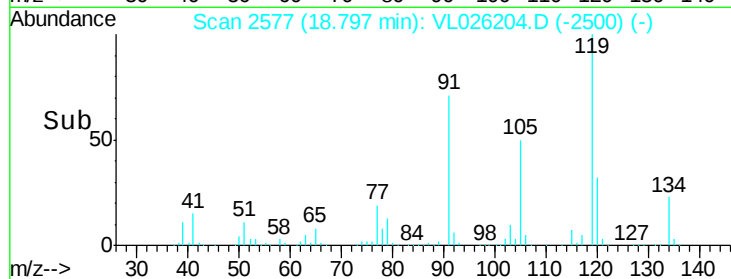
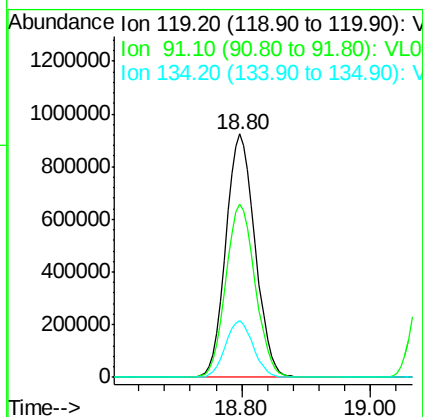
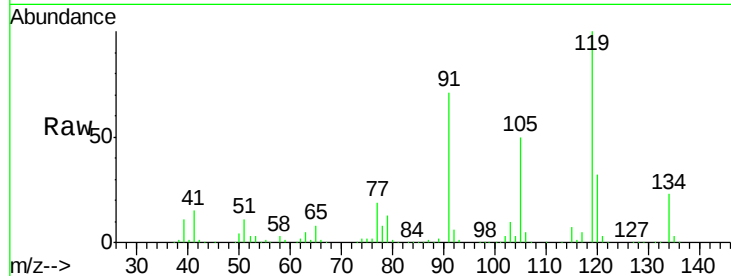




#65
tert-Butylbenzene
Concen: 8.34 ppbv
RT: 18.80 min Scan# 2577
Delta R.T. -0.03 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

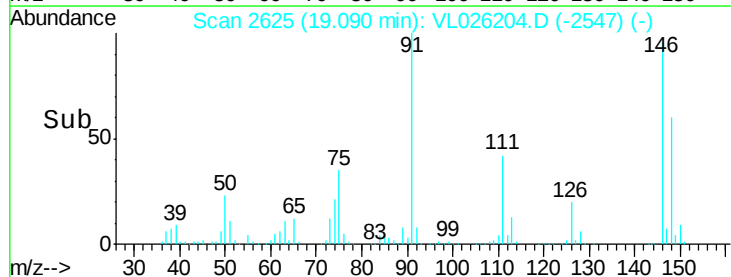
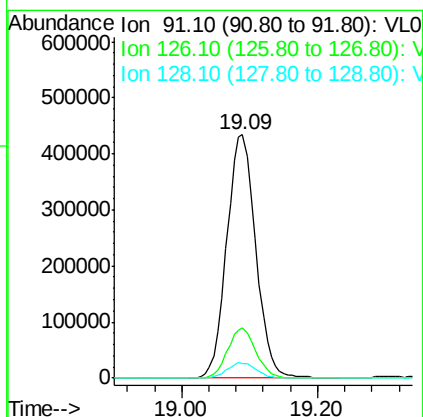
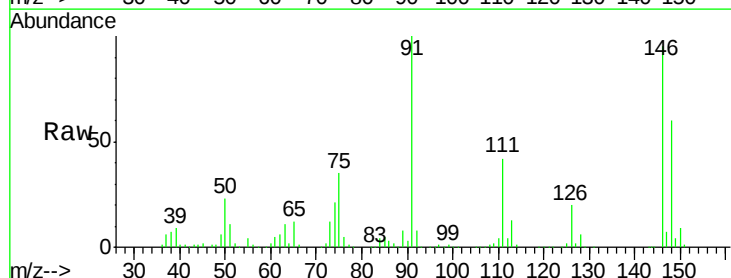
Instrument :
MSVOA_L
ClientSampled :

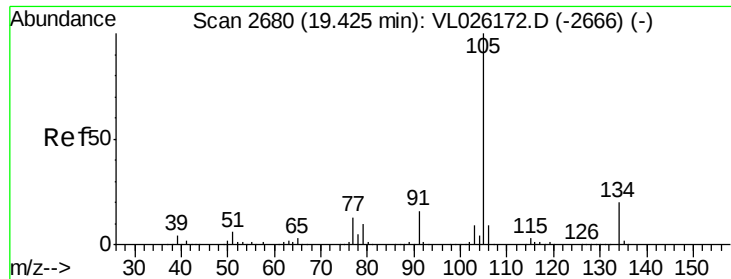
Tot Ion:119 Resp: 2930157
Ion Ratio Lower Upper
119 100
91 71.7 58.5 87.7
134 22.1 18.0 27.0



#66
Benzyl Chloride
Concen: 12.23 ppbv
RT: 19.09 min Scan# 2625
Delta R.T. -0.02 min
Lab File: VL026204.D
Acq: 10 Oct 2015 9:31

Tgt Ion: 91 Resp: 1276459
Ion Ratio Lower Upper
91 100
126 20.3 15.2 22.8
128 6.4 4.8 7.2

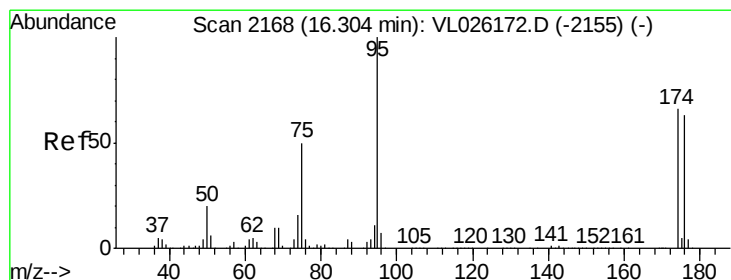
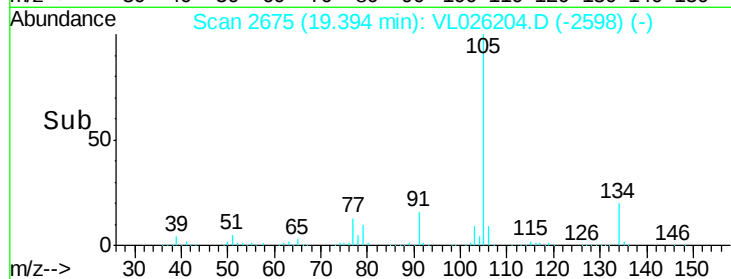
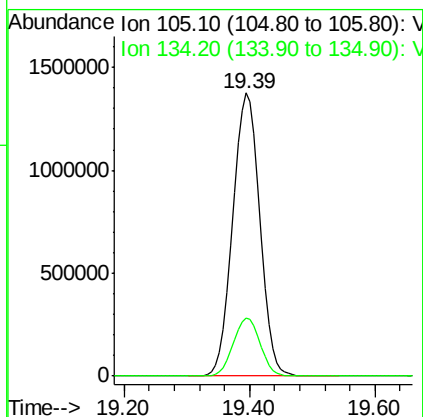
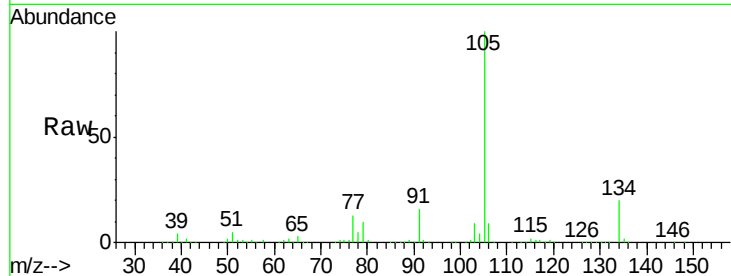




#67
 sec-Butylbenzene
 Concen: 8.39 ppbv
 RT: 19.39 min Scan# 2675
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

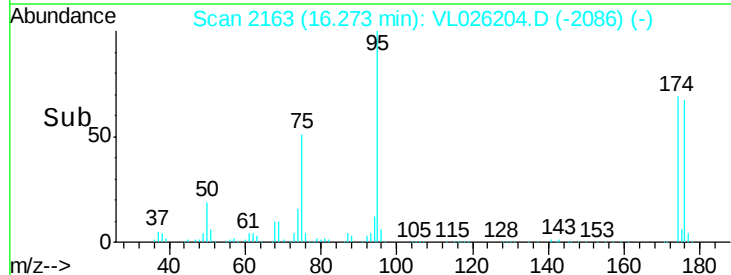
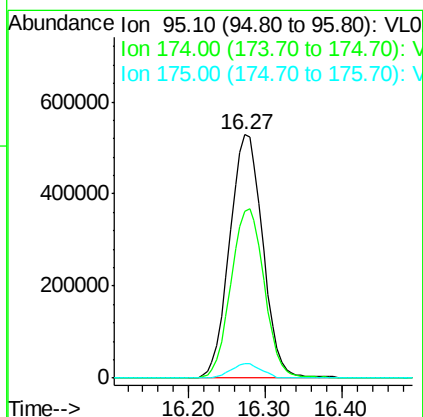
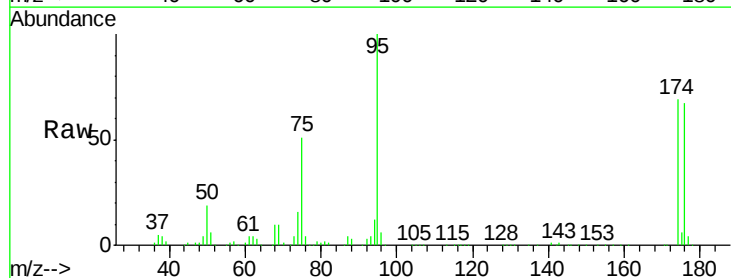
Instrument :
 MSVOA_L
 ClientSampled :

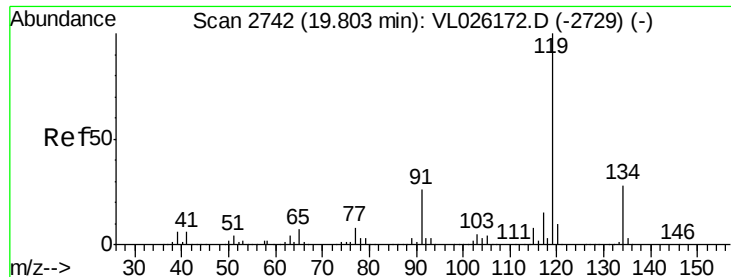
Tot Ion:105 Resp: 4109171
 Ion Ratio Lower Upper
 105 100
 134 20.5 15.9 23.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.38 ppbv
 RT: 16.27 min Scan# 2163
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 95 Resp: 1591300
 Ion Ratio Lower Upper
 95 100
 174 70.3 52.2 78.4
 175 5.5 3.9 5.9

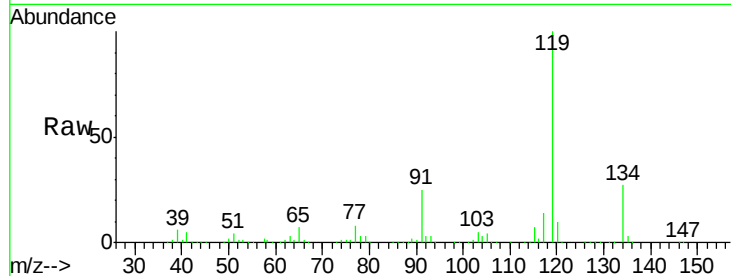




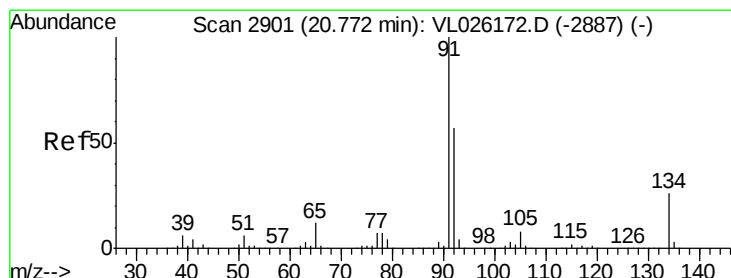
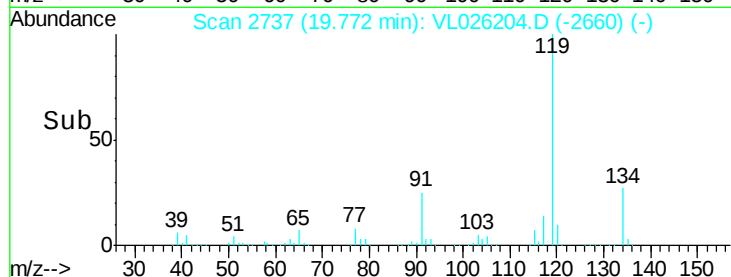
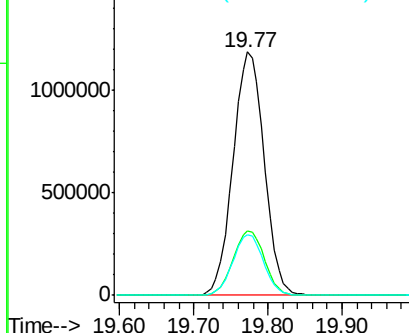
#69
 p-Isopropyltoluene
 Concen: 8.90 ppbv
 RT: 19.77 min Scan# 2737
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3487569
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.4 32.0
 91 24.5 19.9 29.9

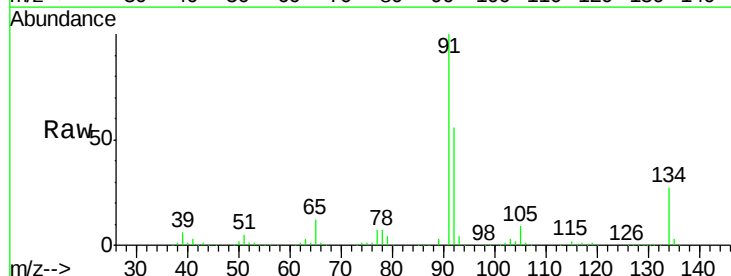


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

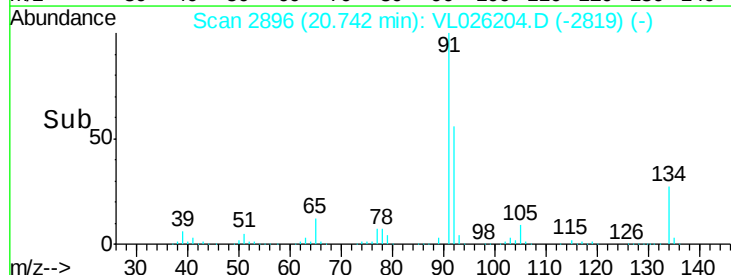
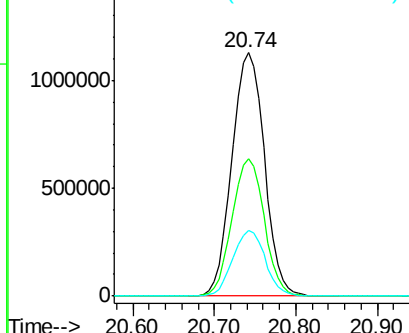


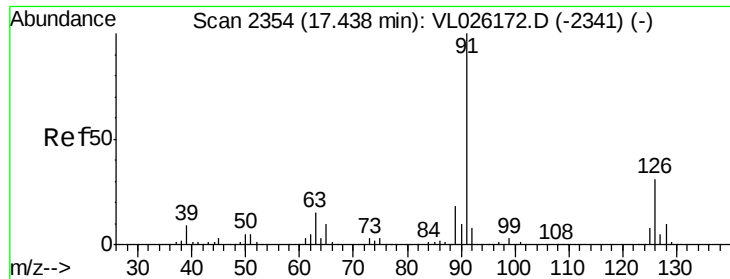
#70
 n-Butylbenzene
 Concen: 8.28 ppbv
 RT: 20.74 min Scan# 2896
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion: 91 Resp: 3110586
 Ion Ratio Lower Upper
 91 100
 92 56.1 45.0 67.6
 134 27.0 19.8 29.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.21 ppbv

RT: 17.41 min Scan# 2350

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

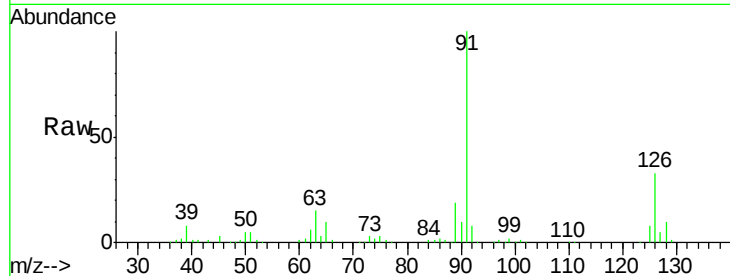
ClientSampled :

Tot Ion: 91 Resp: 2389541

Ion Ratio Lower Upper

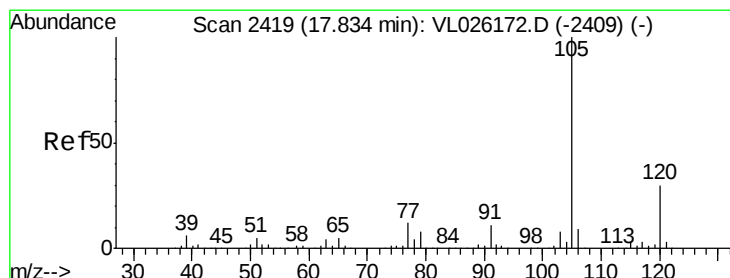
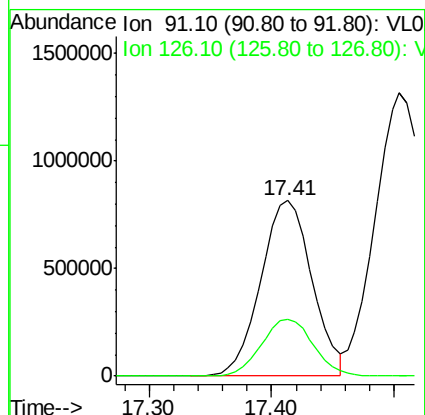
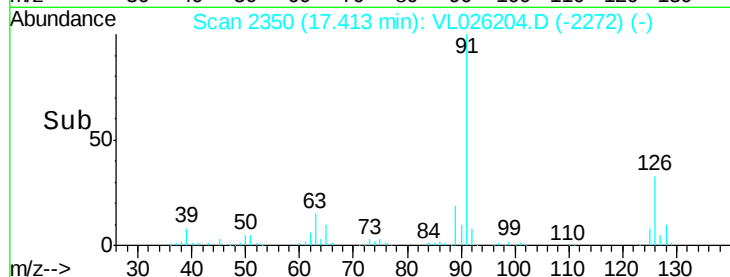
91 100

126 32.9 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: 8.66 ppbv

RT: 17.80 min Scan# 2414

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:105 Resp: 2792392

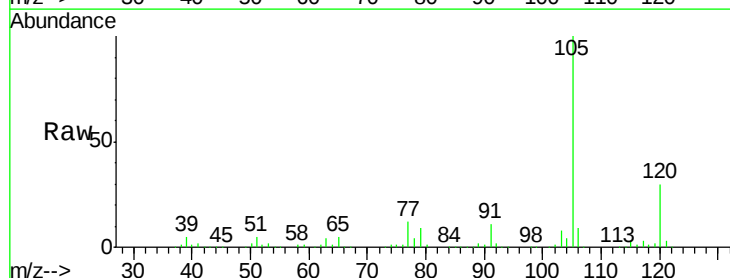
Ion Ratio Lower Upper

105 100

120 31.7 24.7 37.1

91 11.6 9.2 13.8

77 12.1 9.8 14.8

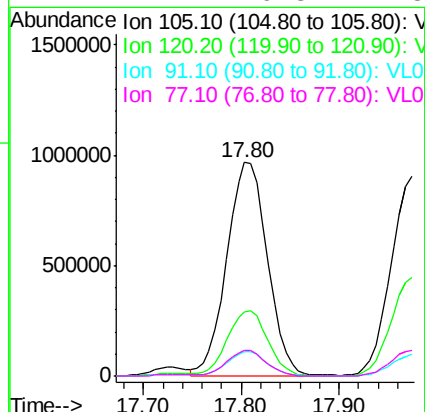
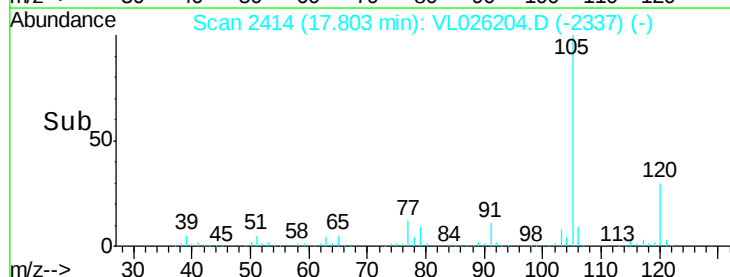


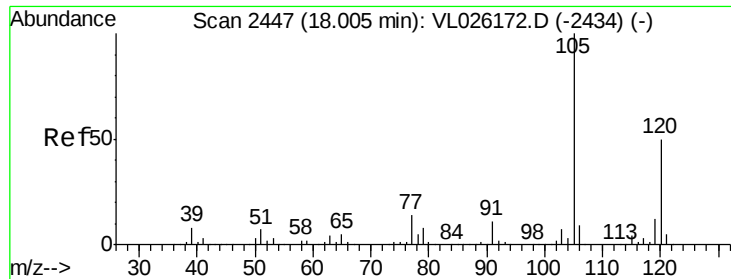
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.65 ppbv

RT: 17.97 min Scan# 2442

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

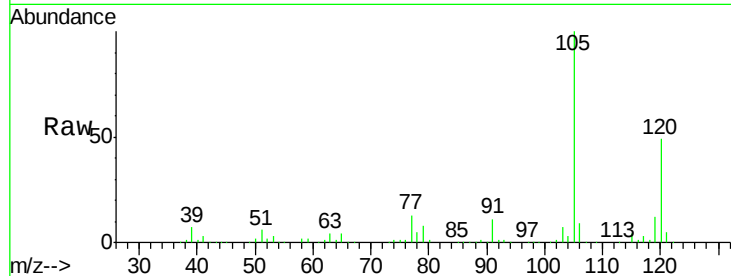
ClientSampleId :

Tot Ion:105 Resp: 2619683

Ion Ratio Lower Upper

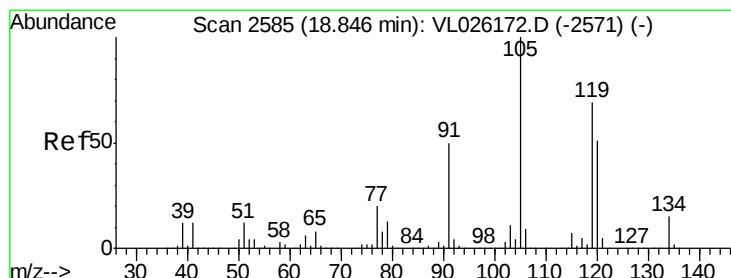
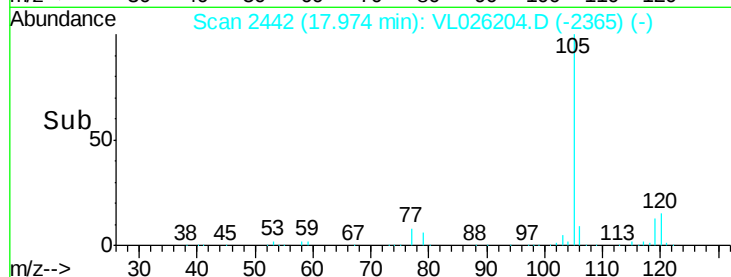
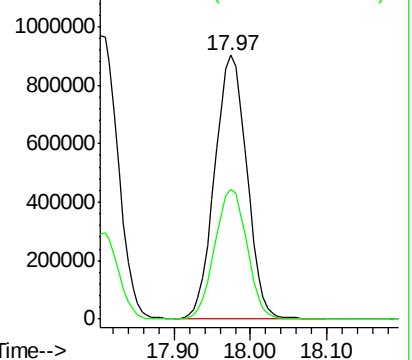
105 100

120 49.2 40.1 60.1



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: 8.02 ppbv

RT: 18.82 min Scan# 2581

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:105 Resp: 2548328

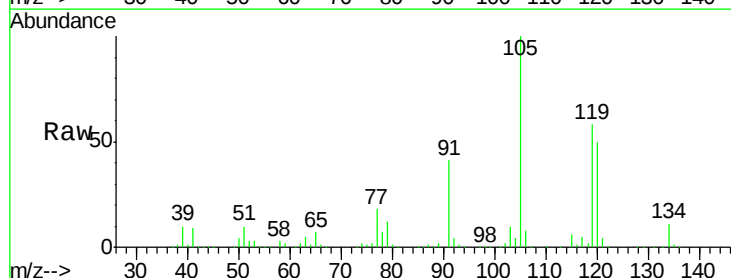
Ion Ratio Lower Upper

105 100

120 50.0 41.1 61.7

91 40.7 39.8 59.6

77 18.2 16.3 24.5

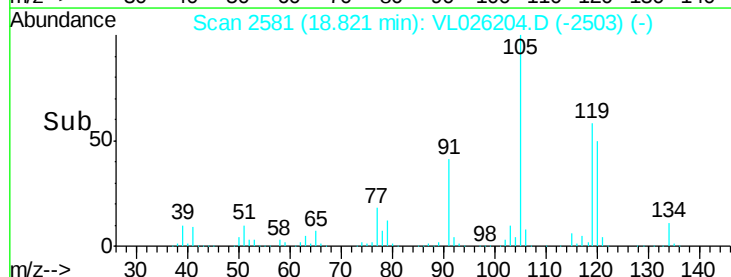
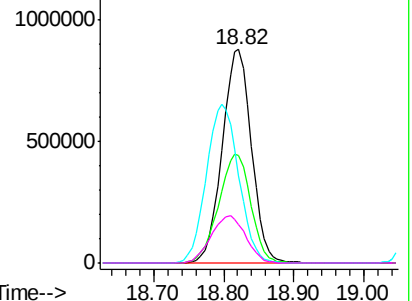


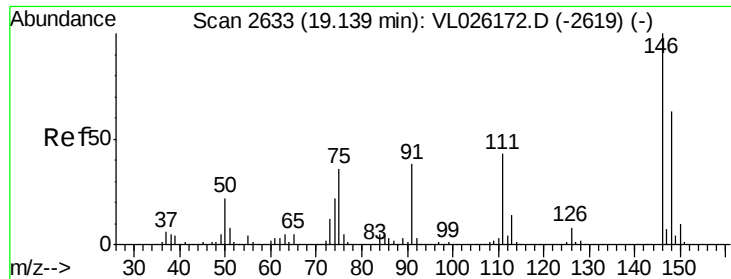
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 8.37 ppbv

RT: 19.11 min Scan# 2628

Delta R.T. -0.03 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

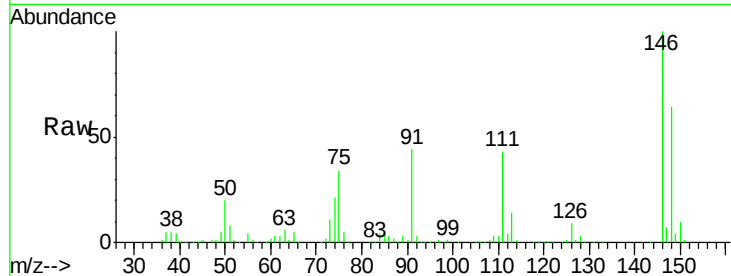
Tot Ion:146 Resp: 1700740

Ion Ratio Lower Upper

146 100

111 43.1 22.1 66.3

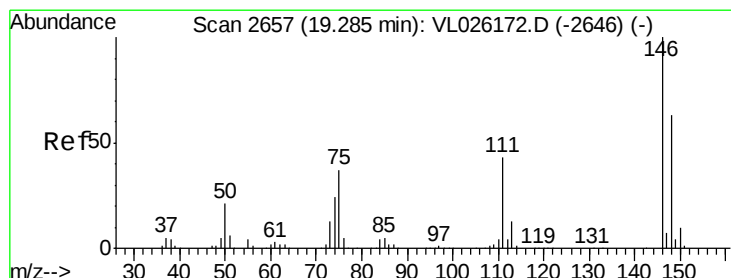
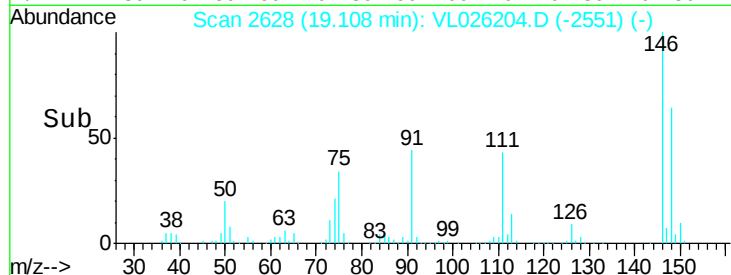
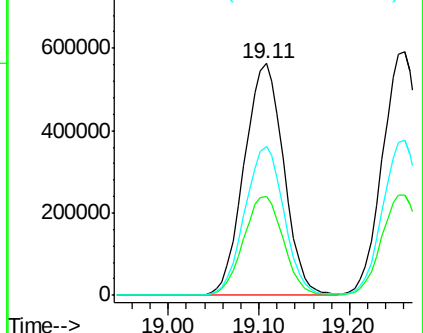
148 63.4 31.9 95.5



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: 8.69 ppbv

RT: 19.26 min Scan# 2653

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

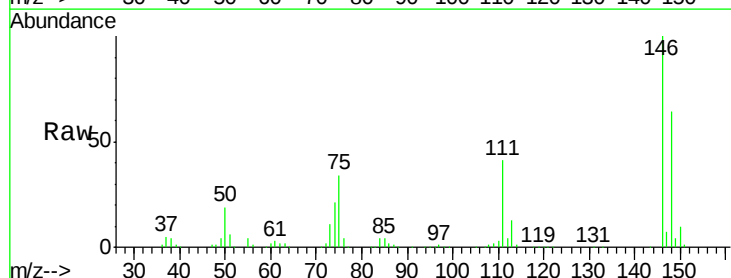
Tgt Ion:146 Resp: 1781675

Ion Ratio Lower Upper

146 100

111 41.8 21.3 63.9

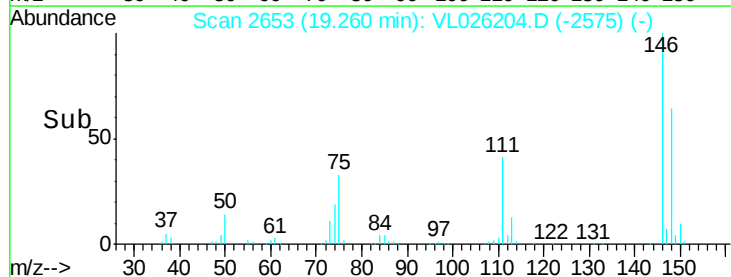
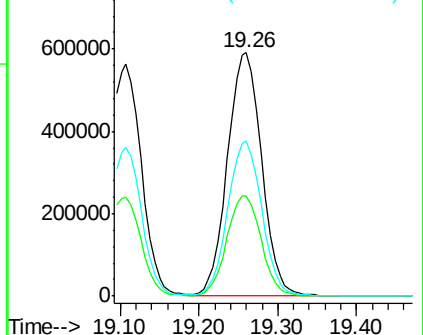
148 63.7 31.6 94.8

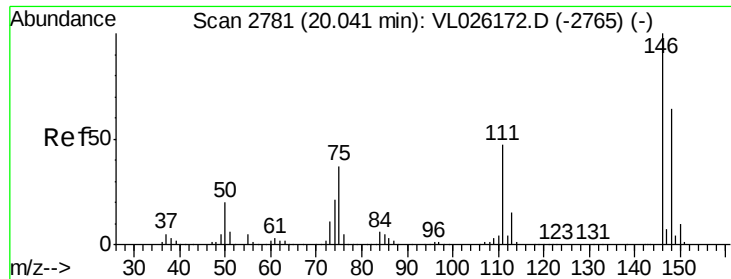


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

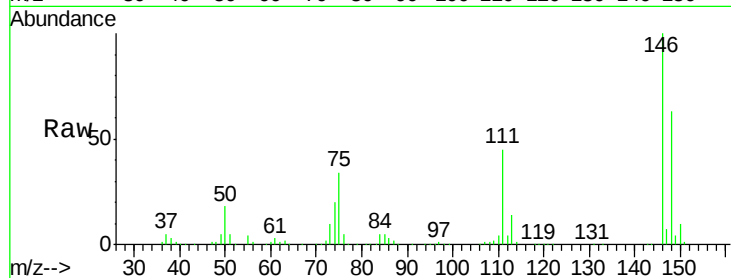




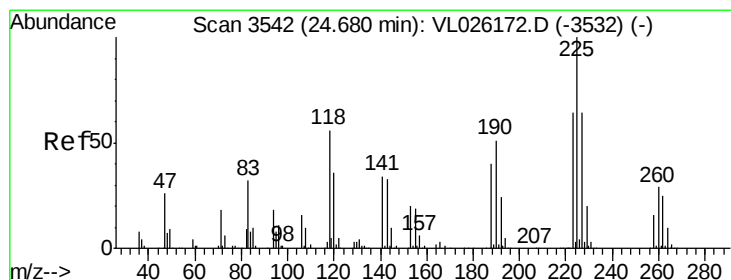
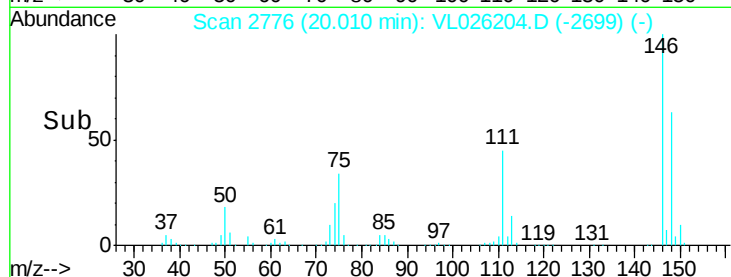
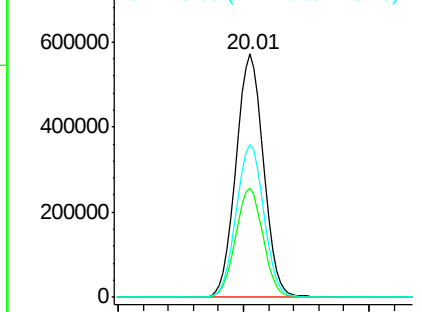
#77
 1,2-Dichlorobenzene
 Concen: 8.75 ppbv
 RT: 20.01 min Scan# 2776
 Delta R.T. -0.03 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 1737950
 Ion Ratio Lower Upper
 146 100
 111 44.6 23.0 69.0
 148 63.4 31.8 95.3

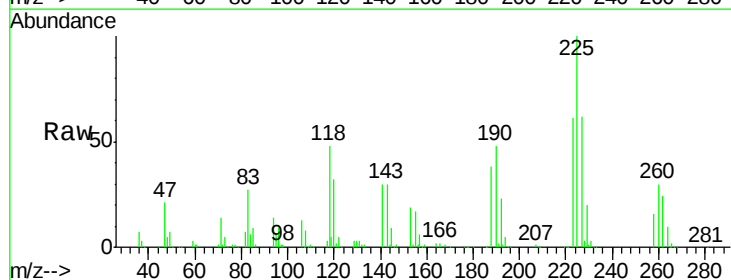


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

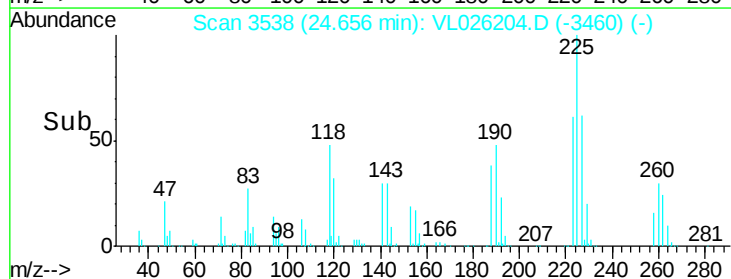
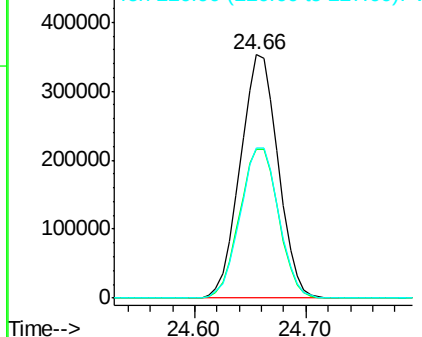


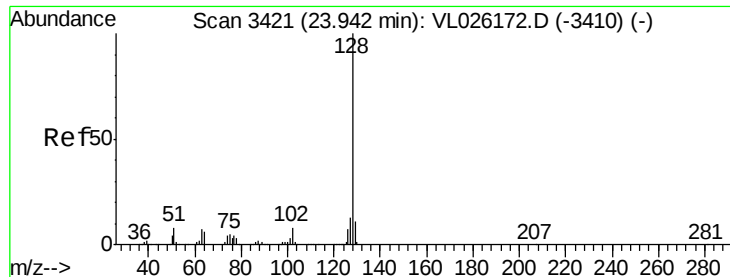
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.47 ppbv
 RT: 24.66 min Scan# 3538
 Delta R.T. -0.02 min
 Lab File: VL026204.D
 Acq: 10 Oct 2015 9:31

Tgt Ion:225 Resp: 835060
 Ion Ratio Lower Upper
 225 100
 223 62.9 51.1 76.7
 227 63.0 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: 12.01 ppbv

RT: 23.92 min Scan# 3417

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

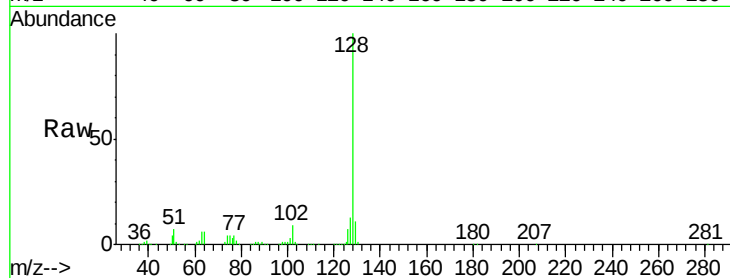
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 2394932

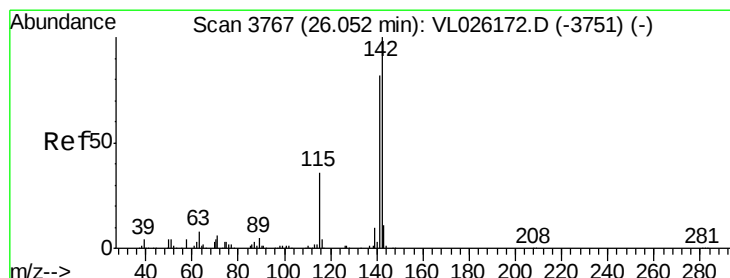
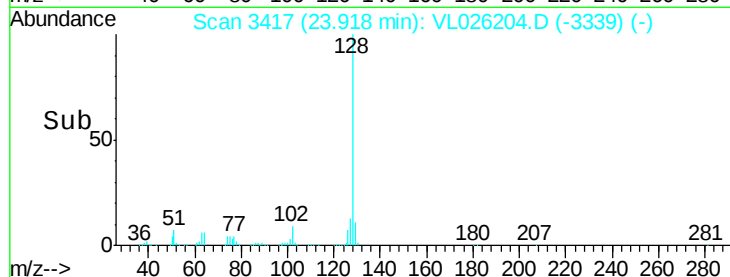
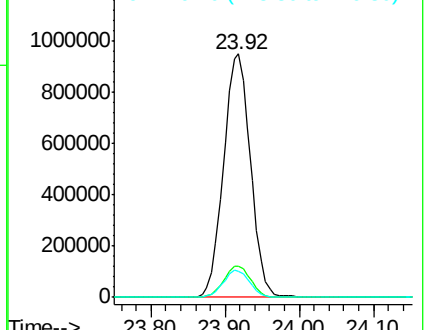
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.7	13.1



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: 15.07 ppbv

RT: 26.03 min Scan# 3763

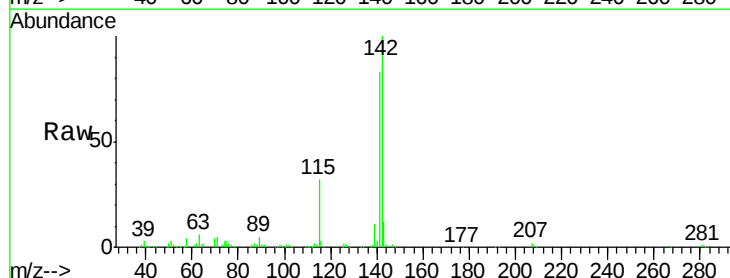
Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Tgt Ion:142 Resp: 674764

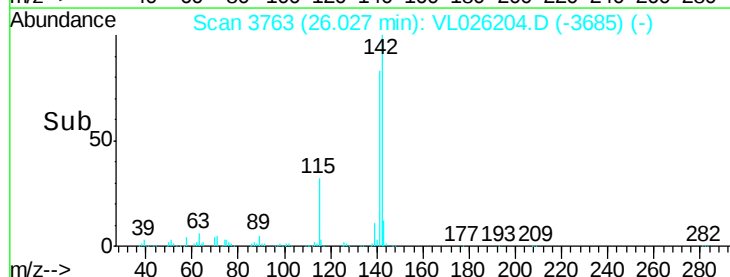
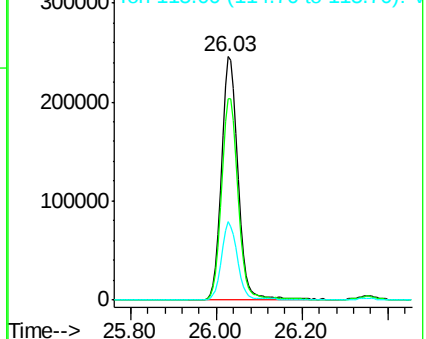
Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.6	99.8
115	31.8	28.4	42.6

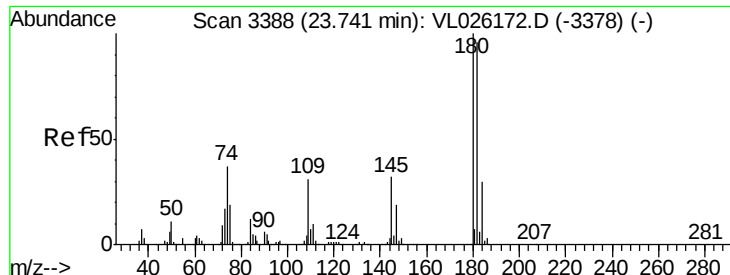


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 11.10 ppbv

RT: 23.72 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VL026204.D

Acq: 10 Oct 2015 9:31

Instrument :

MSVOA_L

ClientSampleId :

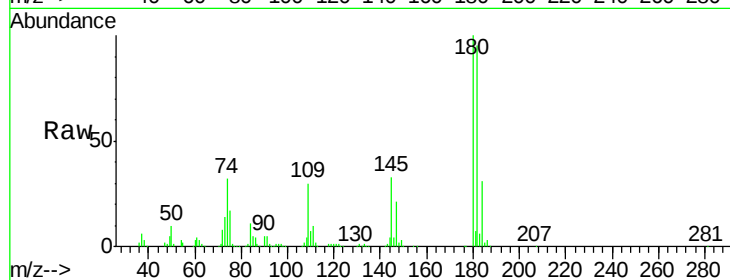
Tot Ion:180 Resp: 1096973

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

184 30.2 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

