

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
 Data File : VL026212.D
 Acq On : 20 Oct 2015 14:43
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Oct 20 15:18:08 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 14:37:50 2015
 QLast Update : Tue Oct 20 14:37:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.64	49	546260	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.31	114	1757093	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	2860655	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.27	95	1701138	7.67	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.63	85	1414279	12.41	ppbv	100
3) Chlorodifluoromethane	3.56	51	941176	13.80	ppbv	99
4) Chloromethane	3.73	50	543602	14.71	ppbv	100
5) Vinyl Chloride	3.87	62	575803	14.78	ppbv	99
6) Bromomethane	4.13	94	410403	14.66	ppbv	99
7) Chloroethane	4.22	64	242607	14.78	ppbv	97
8) Dichlorotetrafluoroethane	3.79	85	1376963	14.42	ppbv	100
9) Propene	3.58	41	455216	14.28	ppbv	98
10) Heptane	9.34	43	1536086	14.26	ppbv	100
11) Trichlorofluoromethane	4.68	101	1601034	14.72	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1073290	14.40	ppbv	99
13) Ethanol	4.31	45	33639	6.42	ppbv	99
14) Bromoethene	4.43	108	462906	14.69	ppbv	99
15) Acetone	4.58	43	980657	12.20	ppbv	99
16) 1,3-Butadiene	3.95	39	523616	14.84	ppbv	99
17) tert-Butyl alcohol	5.10	59	947672	18.80	ppbv	99
18) 1,1-Dichloroethene	5.07	96	496300	14.63	ppbv	93
19) Isopropyl Alcohol	4.73	45	438212	13.99	ppbv	90
20) Methylene Chloride	5.14	84	453298	14.21	ppbv	99
21) Allyl Chloride	5.21	41	764201	14.57	ppbv	97
22) trans-1,2-Dichloroethene	5.75	96	650997	15.04	ppbv	99
23) Vinyl Acetate	5.97	43	2143099	14.53	ppbv	99
24) 1,1-Dichloroethane	5.90	63	1345371	14.66	ppbv	100
25) Ethyl Acetate	6.65	43	2149511	14.51	ppbv	99
26) Hexane	6.64	57	1059959	14.24	ppbv	96
27) Carbon Disulfide	5.37	76	1420269	14.94	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	1984815	15.05	ppbv	98
29) Chloroform	6.73	83	1603035	15.04	ppbv	99
30) Cyclohexane	8.26	84	1083105	14.67	ppbv	98
31) cis-1,2-Dichloroethene	6.50	61	1013207	15.11	ppbv	99
32) 1,1,1-Trichloroethane	7.58	97	1720675	14.54	ppbv	100
34) 2-Butanone	6.18	43	1360969	13.65	ppbv	99
35) Carbon Tetrachloride	8.15	117	1794312	13.62	ppbv	98
36) Benzene	8.01	78	2416915	13.62	ppbv	98
37) 1,2-Dichloroethane	7.36	62	1311979	14.46	ppbv	100
38) Trichloroethene	9.05	130	986574	11.52	ppbv	99
39) 1,2-Dichloropropane	8.81	63	853290	13.59	ppbv	99
40) 1,4-Dioxane	9.10	88	117345	9.18	ppbv #	1
41) Tetrahydrofuran	7.10	42	805074	13.92	ppbv	99
42) Bromodichloromethane	9.01	83	1829624	14.06	ppbv	100
43) Methyl Methacrylate	9.25	69	938990	14.56	ppbv	100

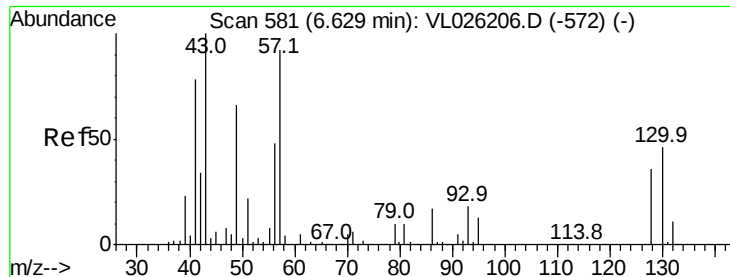
Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
 Data File : VL026212.D
 Acq On : 20 Oct 2015 14:43
 Operator : SY/MD
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 VSTDIC015

Quant Time: Oct 20 15:18:08 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 14:37:50 2015
 QLast Update : Tue Oct 20 14:37:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	3668865	12.80	ppbv	99
45) t-1,3-Dichloropropene	10.63	75	1506117	15.18	ppbv	99
46) cis-1,3-Dichloropropene	10.01	75	1695399	14.49	ppbv	98
47) 1,1,2-Trichloroethane	10.87	97	1096104	14.11	ppbv	98
48) Dibromochloromethane	11.79	129	1822939	14.56	ppbv	100
49) Bromoform	14.80	173	1567586	15.00	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	1928830	14.42	ppbv	100
51) 2-Hexanone	11.60	43	1879463	15.21	ppbv #	98
52) Tetrachloroethene	12.77	164	1111068	11.03	ppbv	99
53) Toluene	11.22	91	3281624	13.75	ppbv	100
54) 1,2-Dibromoethane	12.13	107	1702870	14.22	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.77	131	1282437	9.39	ppbv	89
57) Chlorobenzene	13.80	112	2681765	9.82	ppbv	99
58) Ethyl Benzene	14.40	91	4697757	10.16	ppbv	99
59) m/p-Xylene	14.70	91	7160461	19.75	ppbv	100
60) o-Xylene	15.47	91	3649224	9.63	ppbv	100
61) Styrene	15.29	104	1931379	11.35	ppbv	100
62) Isopropylbenzene	16.53	105	5248429	10.02	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.47	83	2337897	9.28	ppbv	100
64) n-propylbenzene	17.50	120	1492212	10.40	ppbv	98
65) tert-Butylbenzene	18.80	119	4509907	9.42	ppbv	99
66) Benzyl Chloride	19.08	91	2167915	11.23	ppbv	99
67) sec-Butylbenzene	19.39	105	6534442	9.84	ppbv	99
69) p-Isopropyltoluene	19.77	119	5501801	9.92	ppbv	99
70) n-Butylbenzene	20.74	91	5134623	10.11	ppbv	99
71) 2-Chlorotoluene	17.41	91	3932885	10.17	ppbv	99
72) 4-Ethyltoluene	17.80	105	4548460	10.39	ppbv	99
73) 1,3,5-Trimethylbenzene	17.97	105	4216459	10.32	ppbv	100
74) 1,2,4-Trimethylbenzene	18.82	105	3998271	9.40	ppbv	97
75) 1,3-Dichlorobenzene	19.11	146	2756508	9.99	ppbv	100
76) 1,4-Dichlorobenzene	19.26	146	2928184	10.19	ppbv	100
77) 1,2-Dichlorobenzene	20.01	146	2833231	10.24	ppbv	100
78) Hexachloro-1,3-Butadiene	24.66	225	1246118	9.97	ppbv	100
79) Naphthalene	23.91	128	4084577	13.01	ppbv	99
80) Naphthalene,2-methyl-	26.02	142	642123	9.55	ppbv	98
81) 1,2,4-Trichlorobenzene	23.72	180	1775387	11.40	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VL026212.D

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MSVOA_L

ClientSampleId :

VSTDIC015

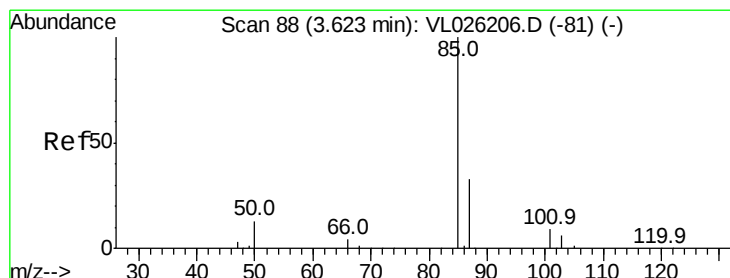
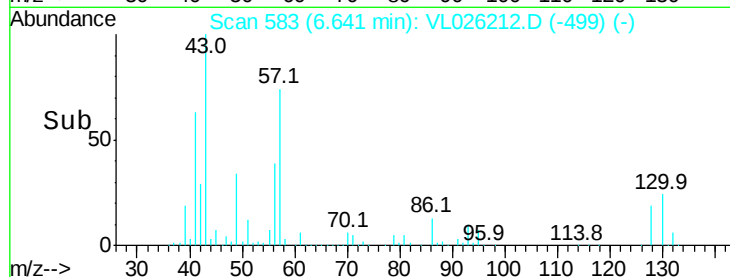
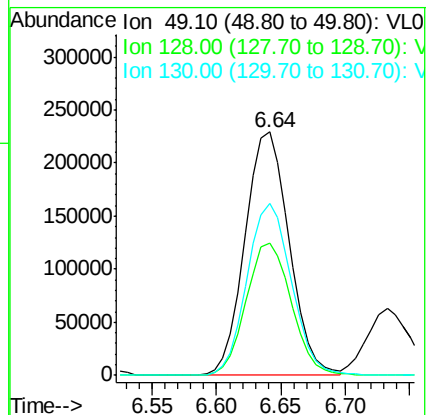
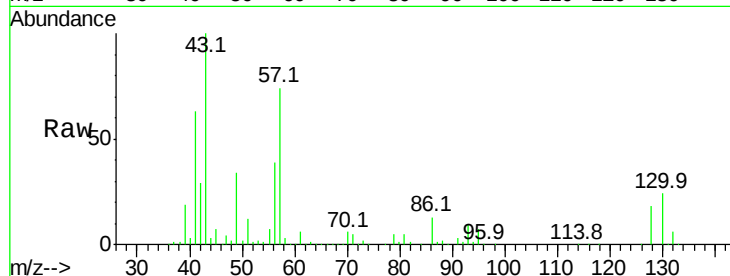
Tgt Ion: 49 Resp: 546260

Ion Ratio Lower Upper

49 100

128 55.7 28.1 84.3

130 71.3 36.2 108.6



#2

Dichlorodifluoromethane

Concen: 12.41 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026212.D

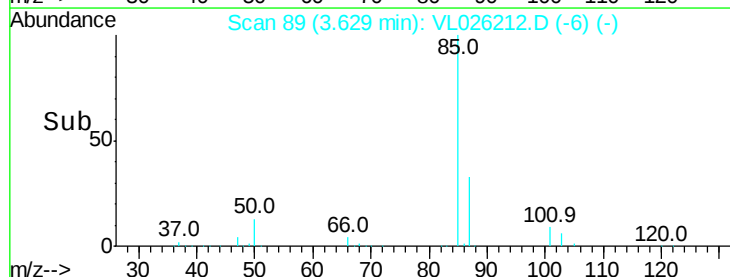
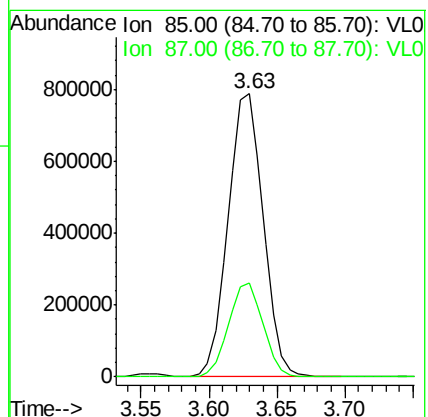
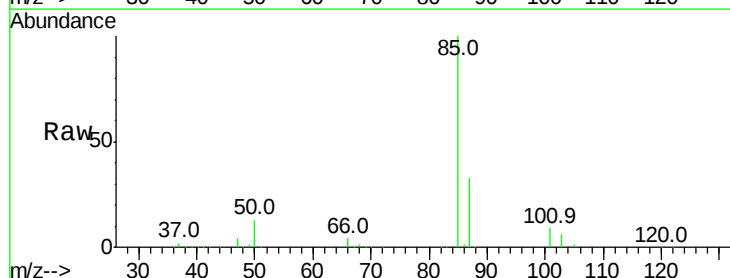
Acq: 20 Oct 2015 14:43

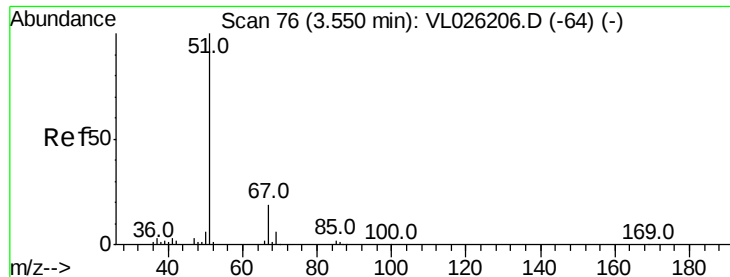
Tgt Ion: 85 Resp: 1414279

Ion Ratio Lower Upper

85 100

87 33.0 26.5 39.7





#3

Chlorodifluoromethane

Concen: 13.80 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

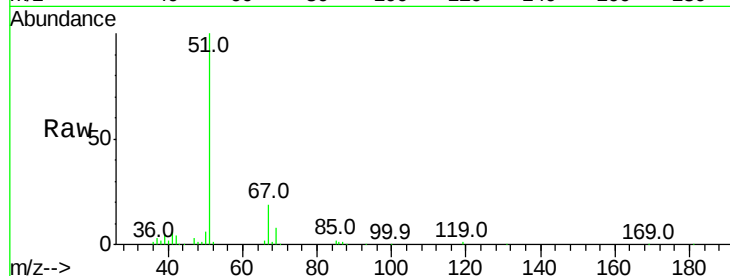
VSTDIC015

Tgt Ion: 51 Resp: 941176

Ion Ratio Lower Upper

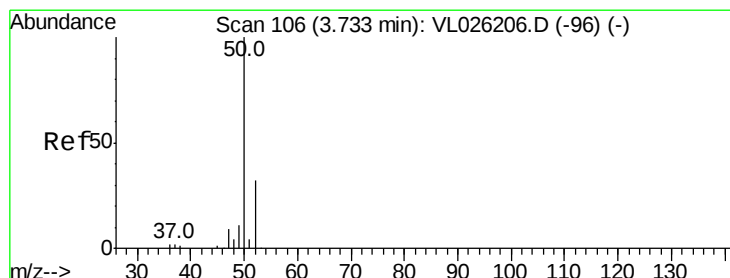
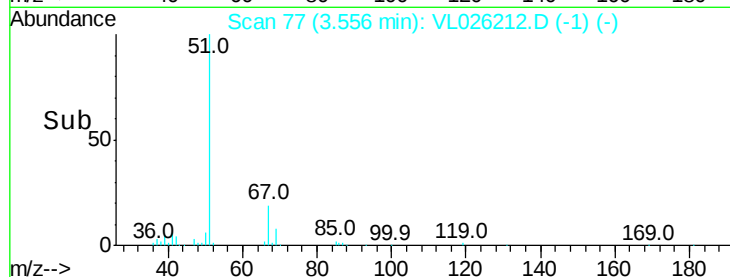
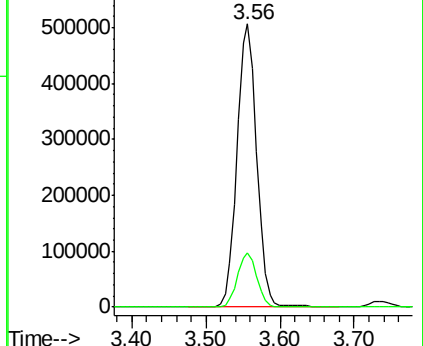
51 100

67 19.2 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 14.71 ppbv

RT: 3.73 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL026212.D

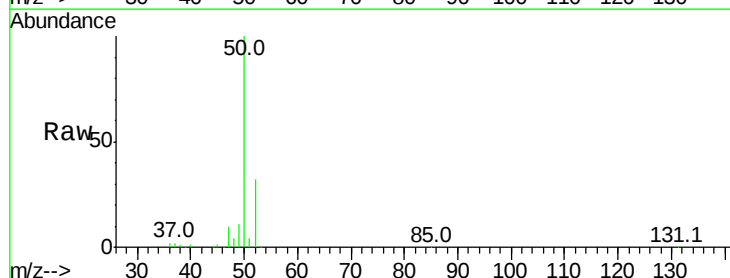
Acq: 20 Oct 2015 14:43

Tgt Ion: 50 Resp: 543602

Ion Ratio Lower Upper

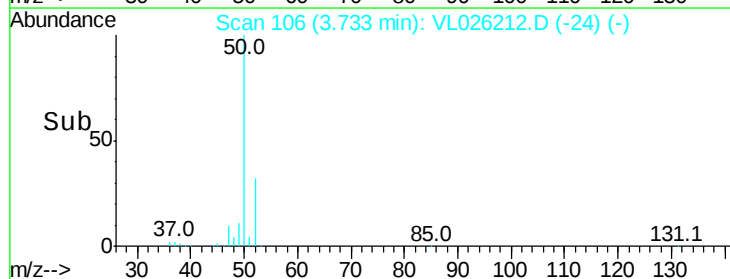
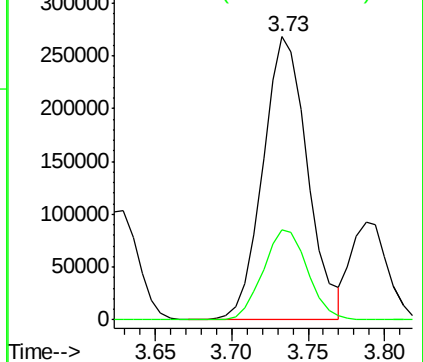
50 100

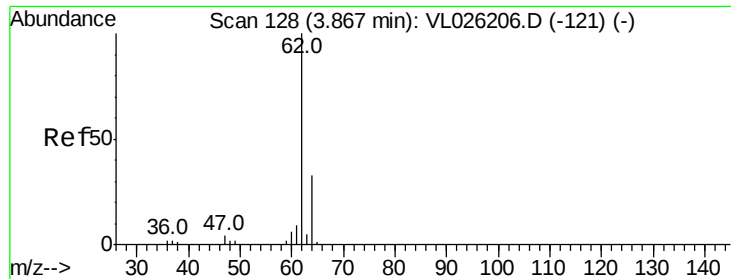
52 32.0 25.8 38.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 14.78 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

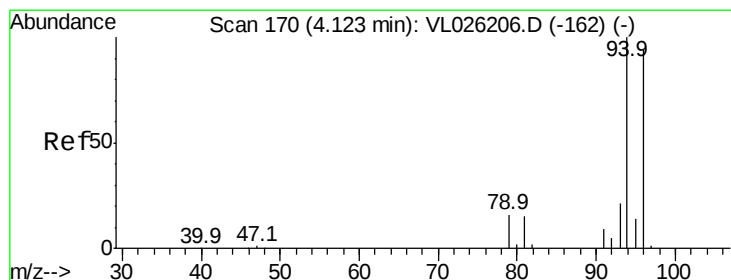
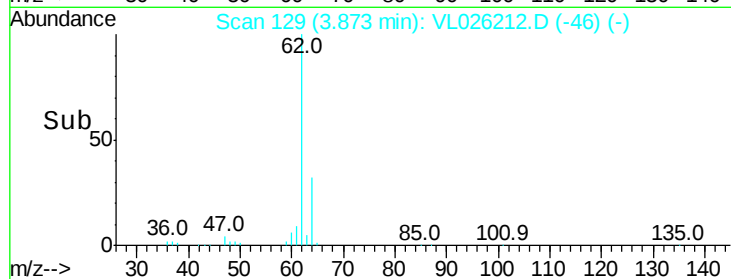
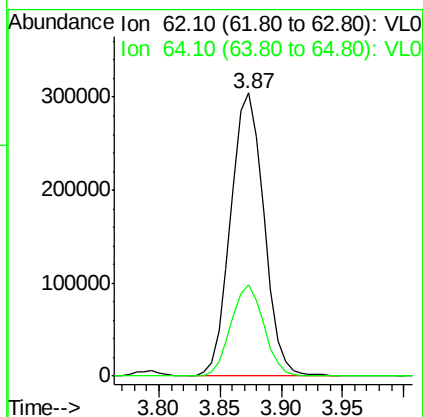
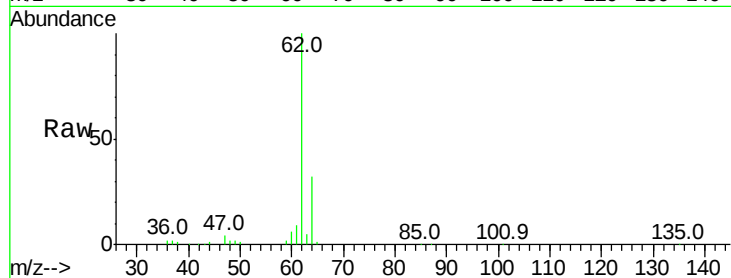
VSTDIC015

Tgt Ion: 62 Resp: 575803

Ion Ratio Lower Upper

62 100

64 32.2 26.3 39.5



#6

Bromomethane

Concen: 14.66 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL026212.D

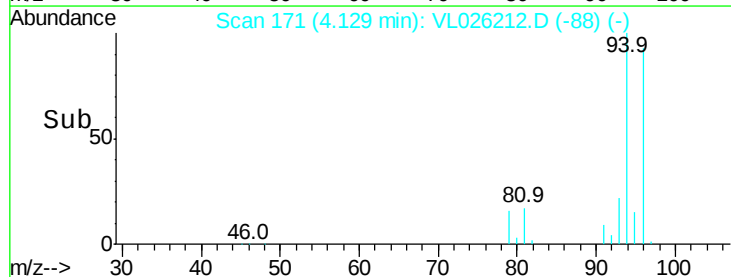
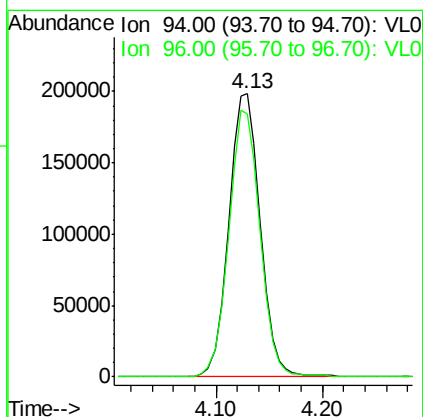
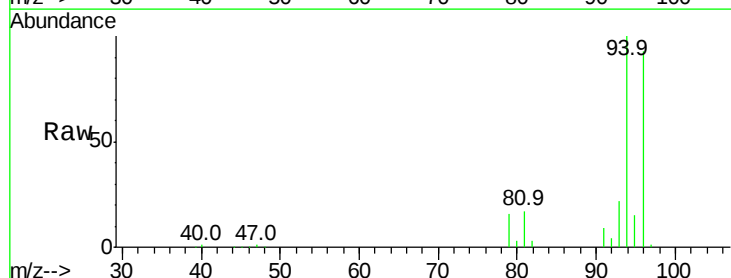
Acq: 20 Oct 2015 14:43

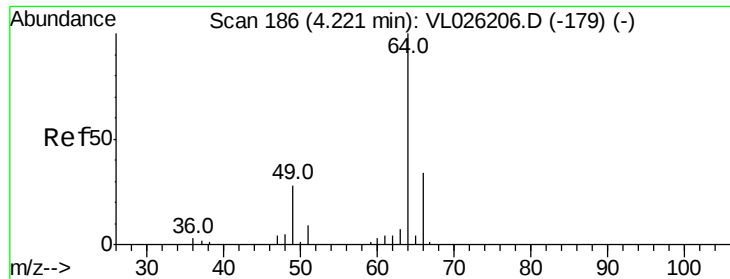
Tgt Ion: 94 Resp: 410403

Ion Ratio Lower Upper

94 100

96 93.0 75.5 113.3





#7

Chloroethane

Concen: 14.78 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.00 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

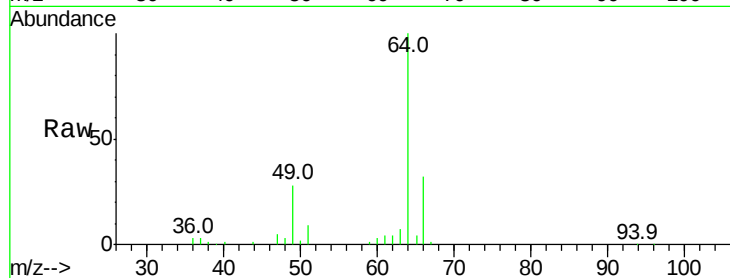
VSTDIC015

Tgt Ion: 64 Resp: 242607

Ion Ratio Lower Upper

64 100

66 32.4 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

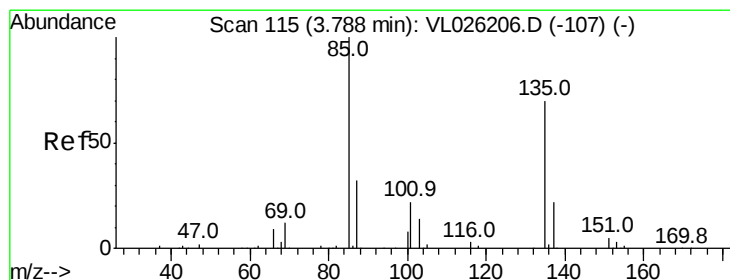
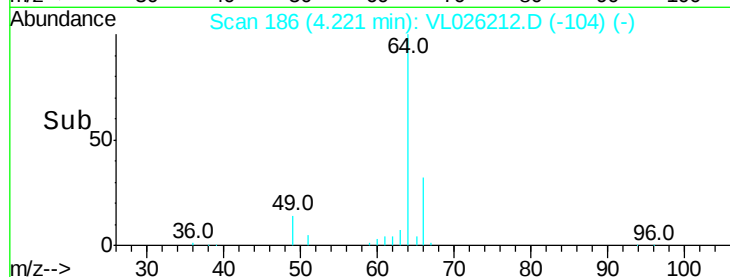
4.22

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 14.42 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL026212.D

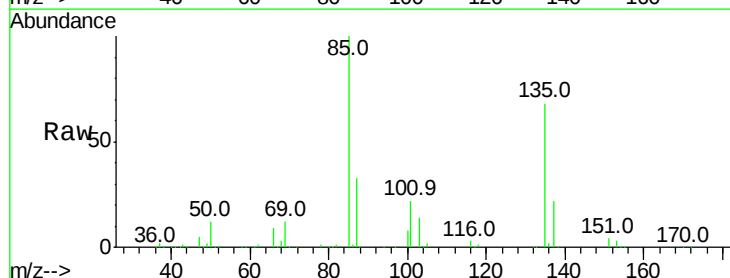
Acq: 20 Oct 2015 14:43

Tgt Ion: 85 Resp: 1376963

Ion Ratio Lower Upper

85 100

135 71.7 57.5 86.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.79

800000

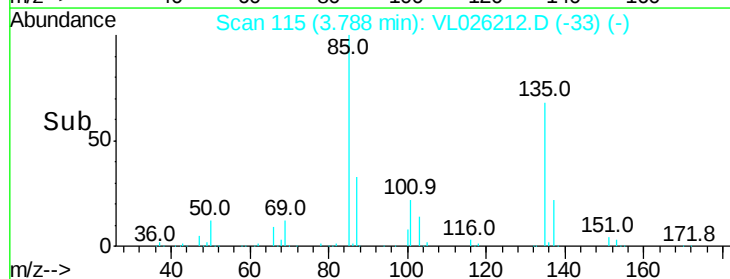
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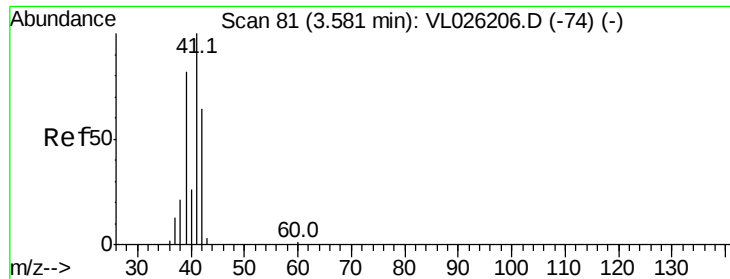
400000

200000

0

Time-->





#9

Propene

Concen: 14.28 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

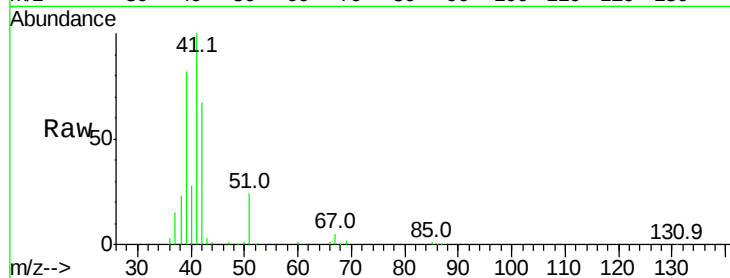
VSTDIC015

Tgt Ion: 41 Resp: 455216

Ion Ratio Lower Upper

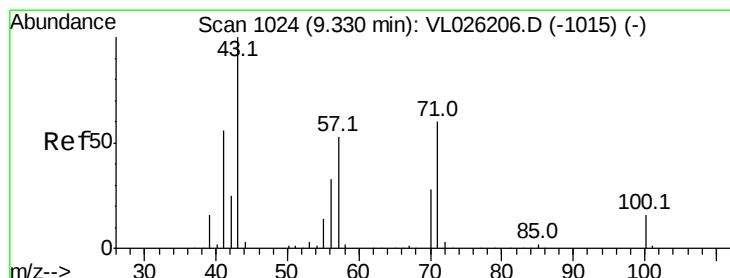
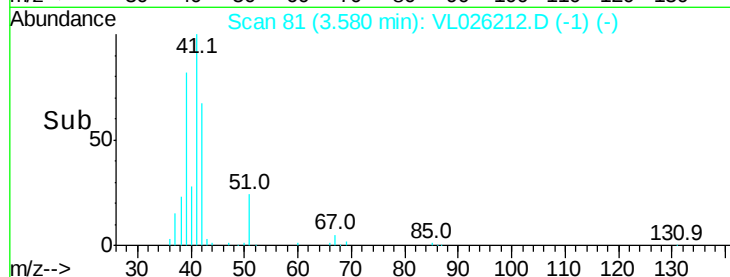
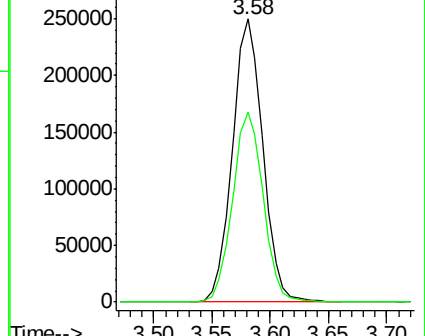
41 100

42 67.7 53.1 79.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 14.26 ppbv

RT: 9.34 min Scan# 1025

Delta R.T. 0.01 min

Lab File: VL026212.D

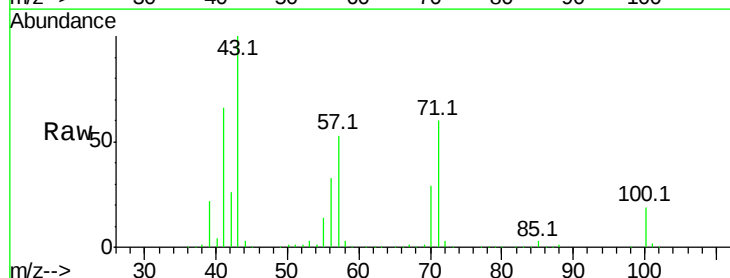
Acq: 20 Oct 2015 14:43

Tgt Ion: 43 Resp: 1536086

Ion Ratio Lower Upper

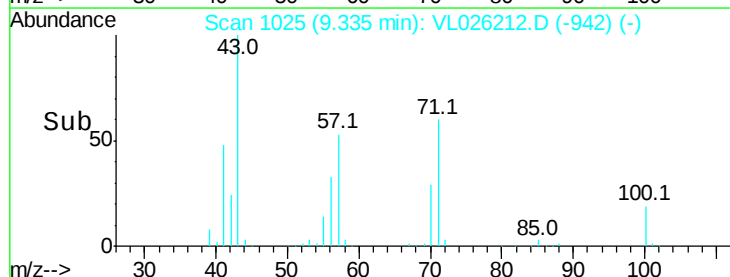
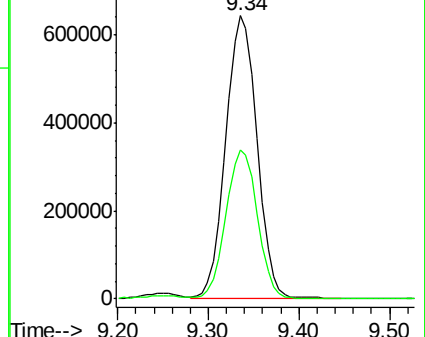
43 100

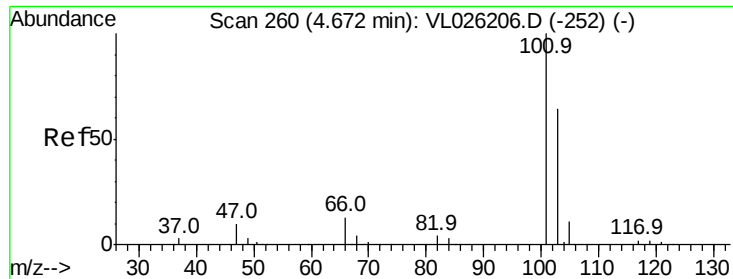
57 54.4 43.5 65.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

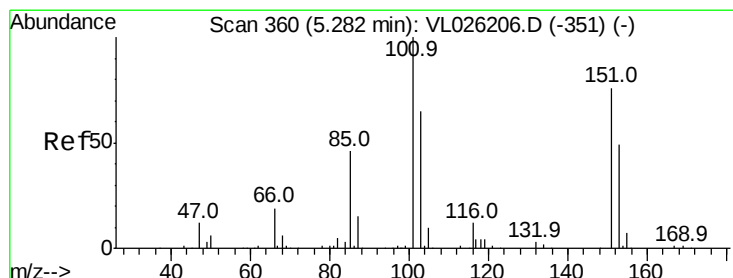
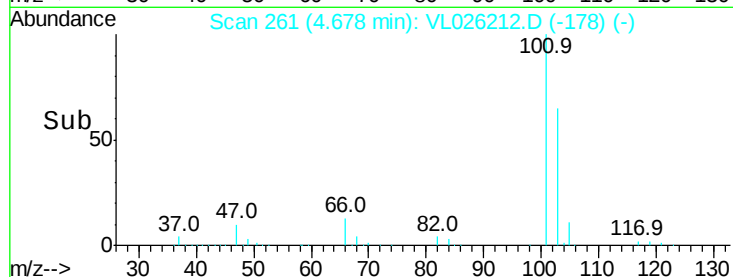
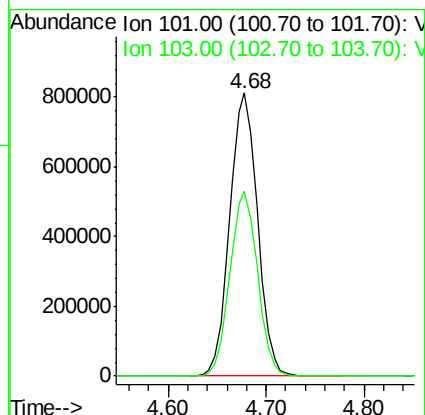
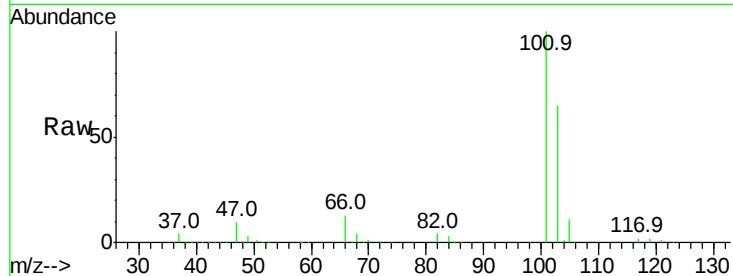




#11
 Trichlorofluoromethane
 Concen: 14.72 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

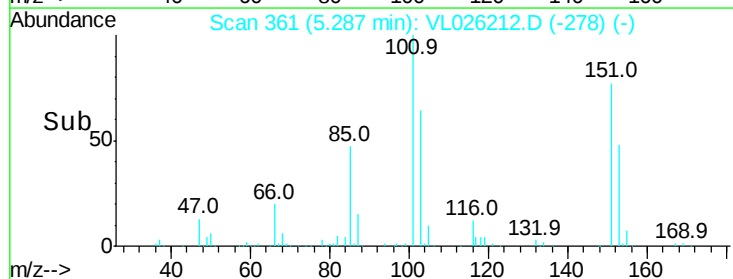
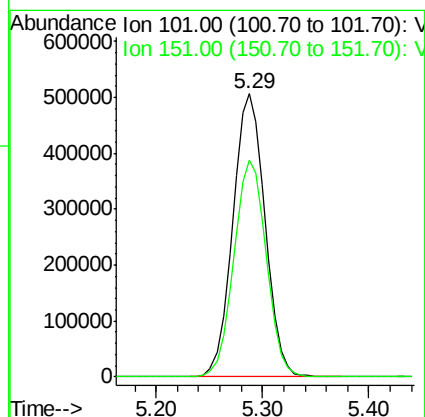
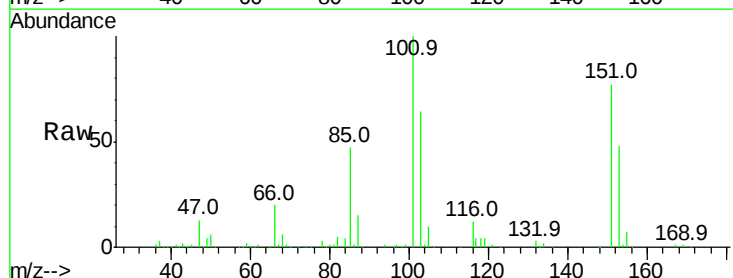
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

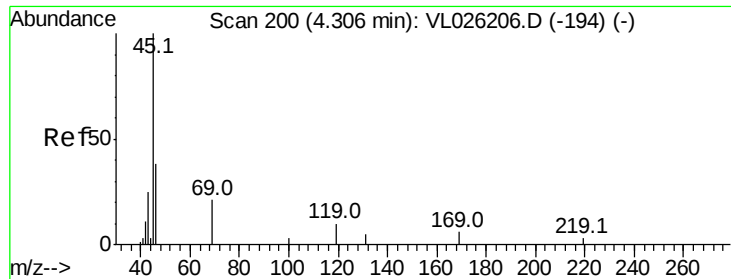
Tgt Ion:101 Resp: 1601034
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.40 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion:101 Resp: 1073290
 Ion Ratio Lower Upper
 101 100
 151 77.3 61.4 92.0





#13

Ethanol

Concen: 6.42 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

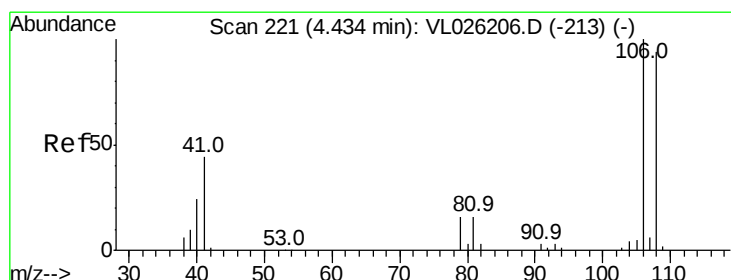
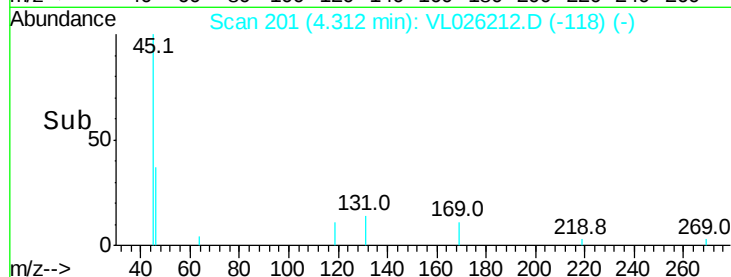
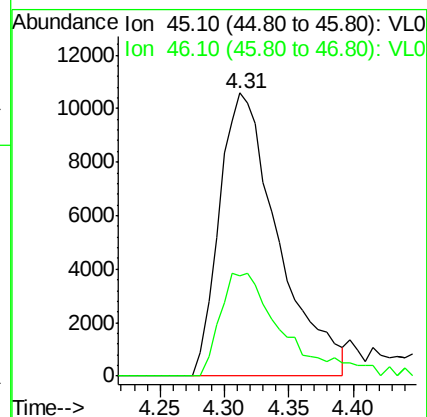
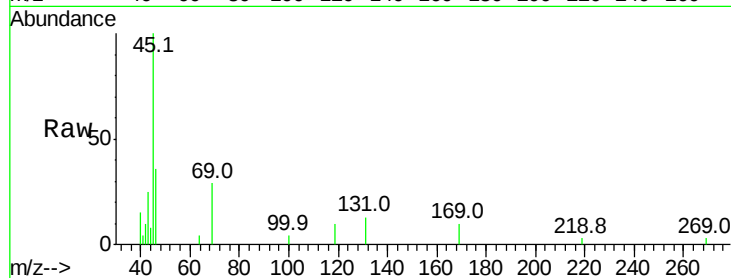
VSTDIC015

Tgt Ion: 45 Resp: 33639

Ion Ratio Lower Upper

45 100

46 39.3 16.1 64.3



#14

Bromoethene

Concen: 14.69 ppbv

RT: 4.43 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

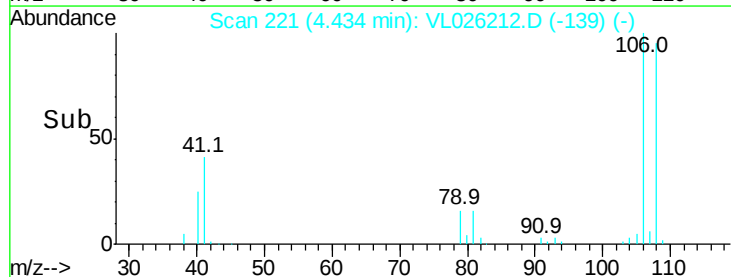
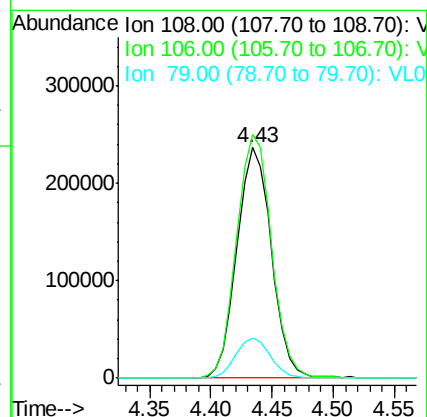
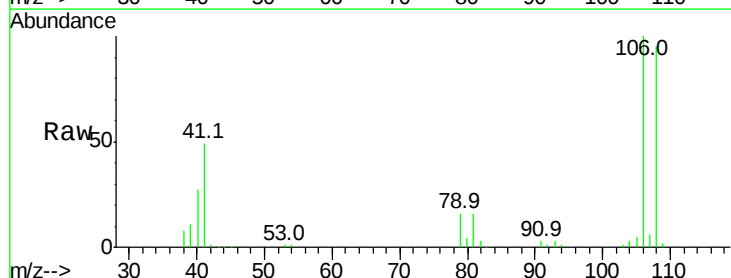
Tgt Ion: 108 Resp: 462906

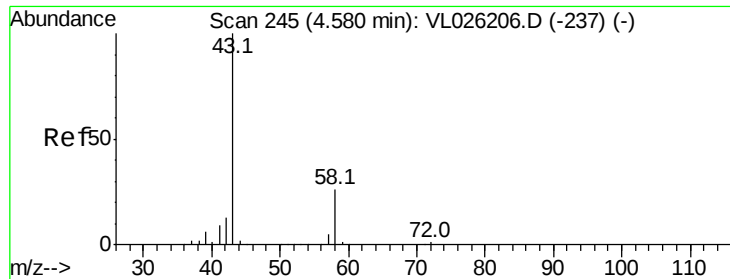
Ion Ratio Lower Upper

108 100

106 107.4 85.3 127.9

79 17.6 13.4 20.0





#15

Acetone

Concen: 12.20 ppbv

RT: 4.58 min Scan# 245

Delta R.T. -0.00 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

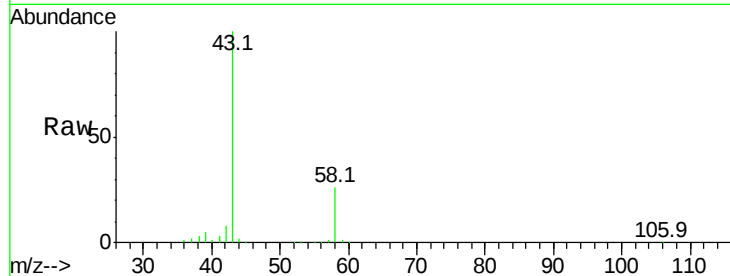
VSTDIC015

Tgt Ion: 43 Resp: 980657

Ion Ratio Lower Upper

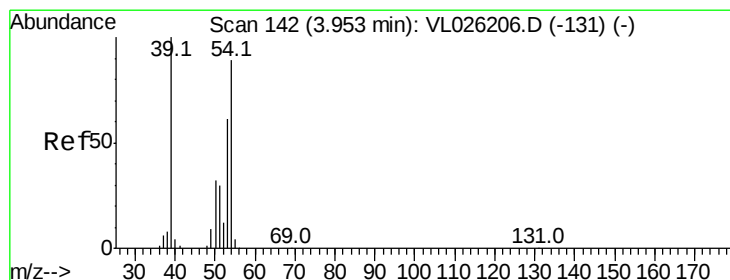
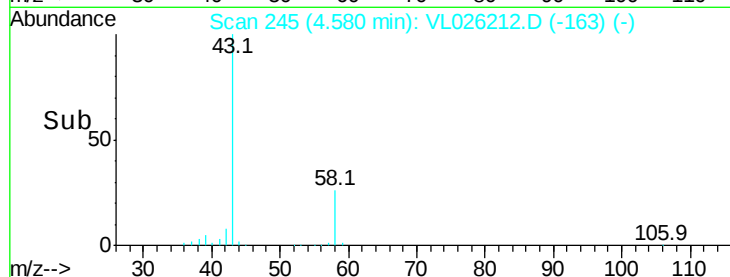
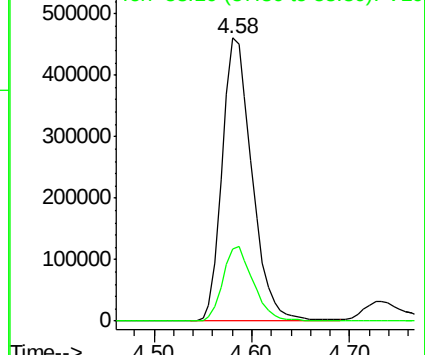
43 100

58 26.9 21.0 31.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 14.84 ppbv

RT: 3.95 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL026212.D

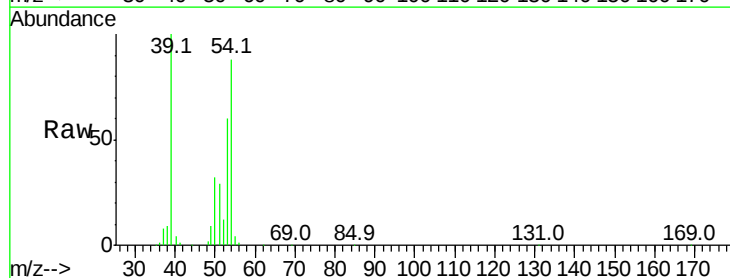
Acq: 20 Oct 2015 14:43

Tgt Ion: 39 Resp: 523616

Ion Ratio Lower Upper

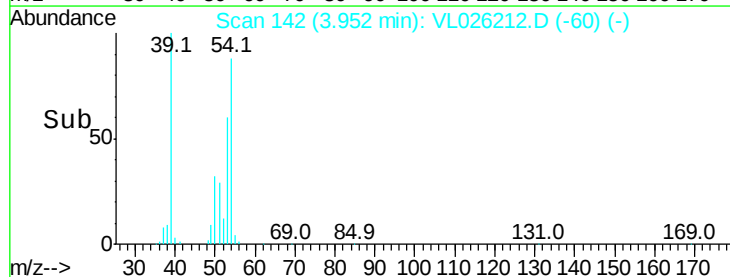
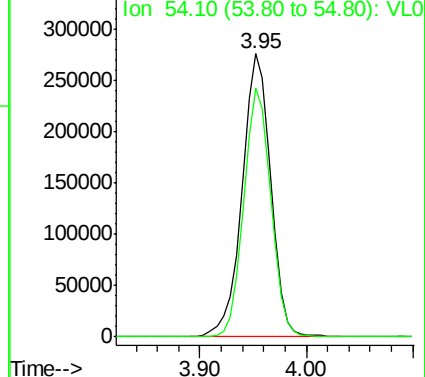
39 100

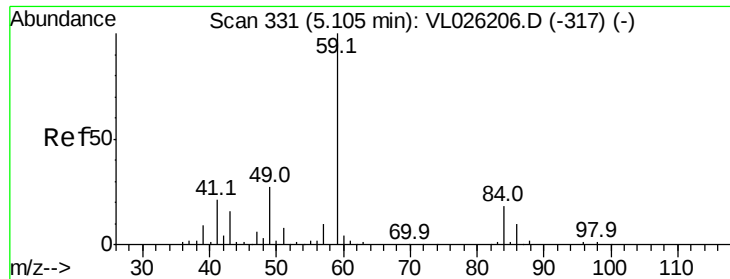
54 83.5 67.3 100.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

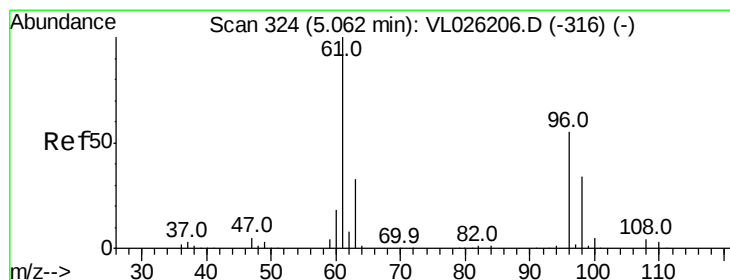
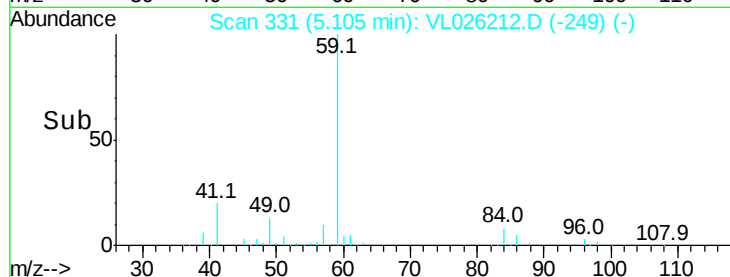
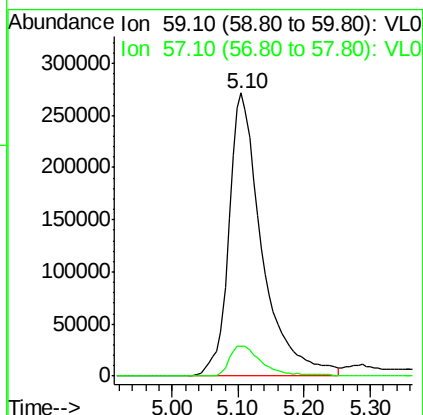
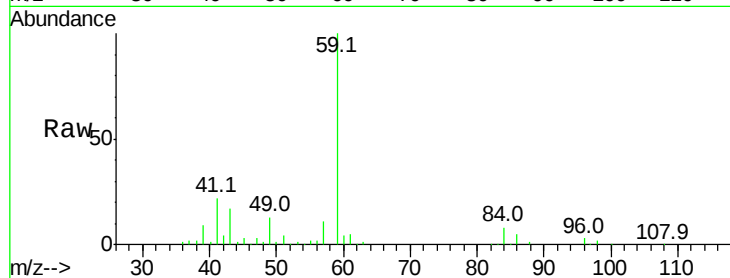




#17
 tert-Butyl alcohol
 Concen: 18.80 ppbv
 RT: 5.10 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

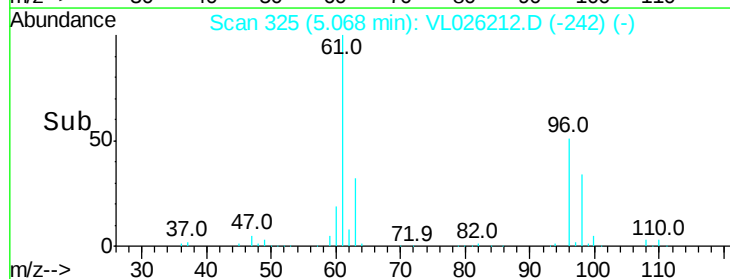
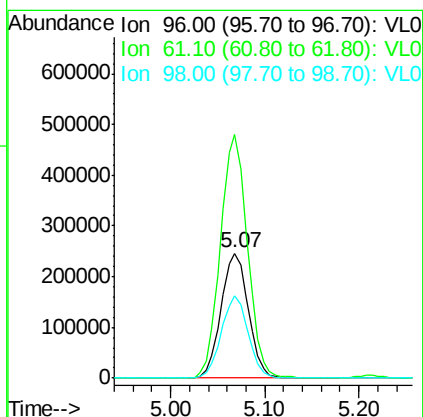
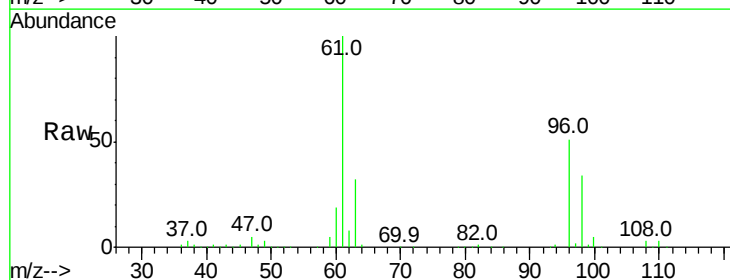
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

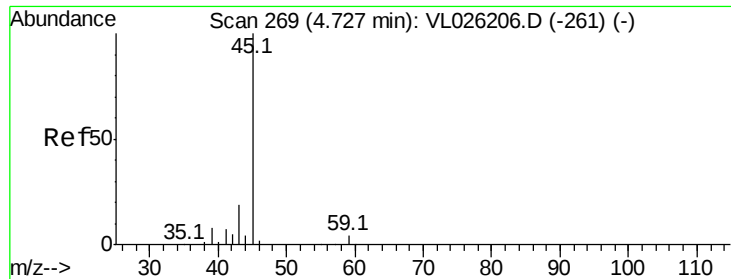
Tgt Ion: 59 Resp: 947672
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.6 12.8



#18
 1,1-Dichloroethene
 Concen: 14.63 ppbv
 RT: 5.07 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion: 96 Resp: 496300
 Ion Ratio Lower Upper
 96 100
 61 195.3 146.6 219.8
 98 66.4 50.5 75.7





#19

Isopropyl Alcohol

Concen: 13.99 ppbv

RT: 4.73 min Scan# 270

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

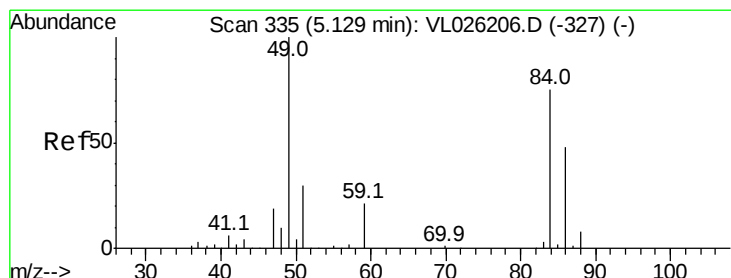
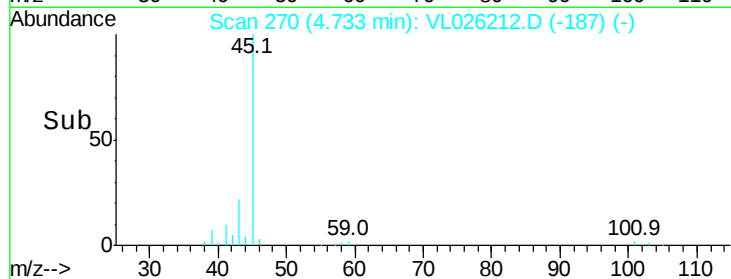
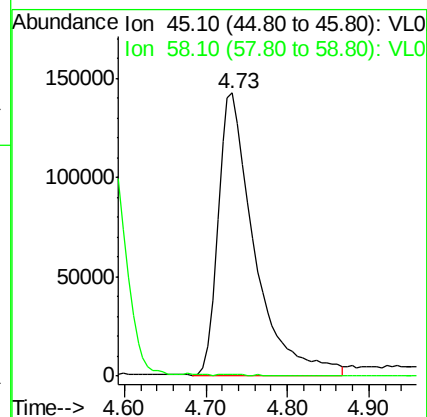
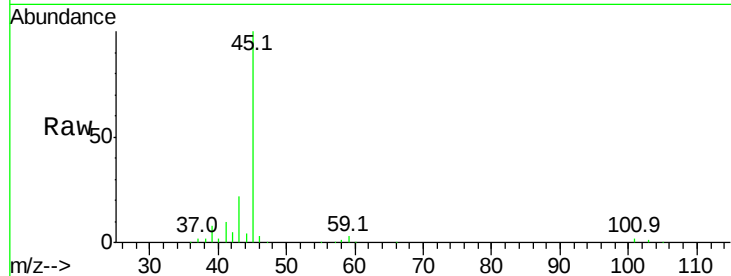
VSTDIC015

Tgt Ion: 45 Resp: 438212

Ion Ratio Lower Upper

45 100

58 60.2 42.4 63.6



#20

Methylene Chloride

Concen: 14.21 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Tgt Ion: 84 Resp: 453298

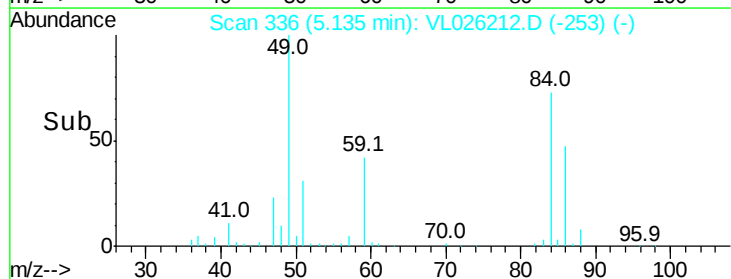
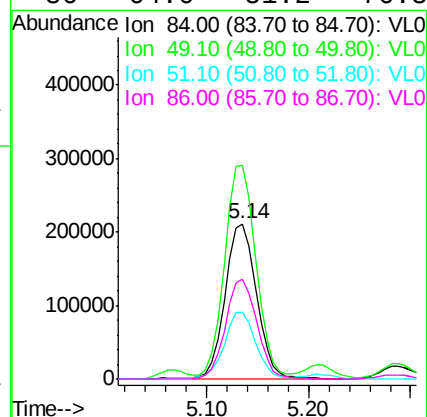
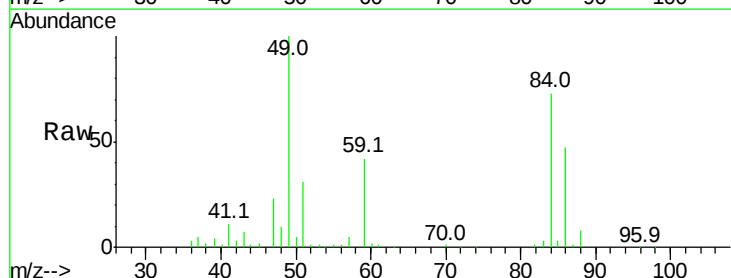
Ion Ratio Lower Upper

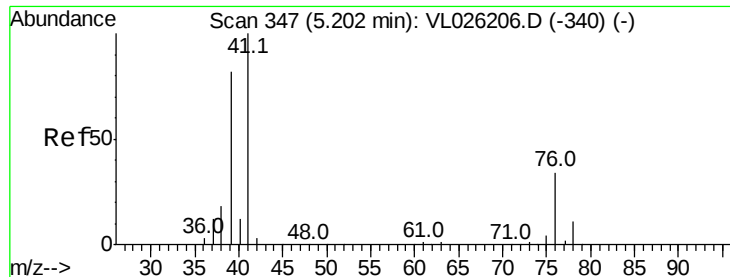
84 100

49 135.4 107.9 161.9

51 41.8 32.4 48.6

86 64.0 51.2 76.8





#21

Allyl Chloride

Concen: 14.57 ppbv

RT: 5.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

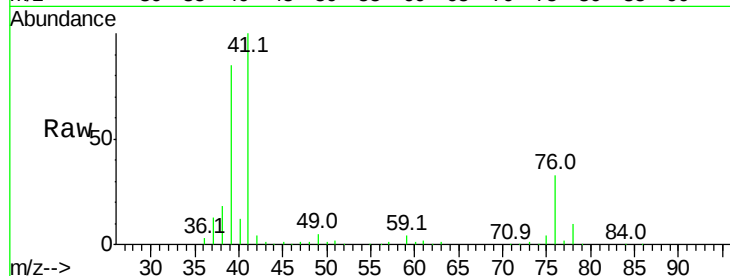
Tgt Ion: 41 Resp: 764201

Ion Ratio Lower Upper

41 100

76 33.0 26.2 39.4

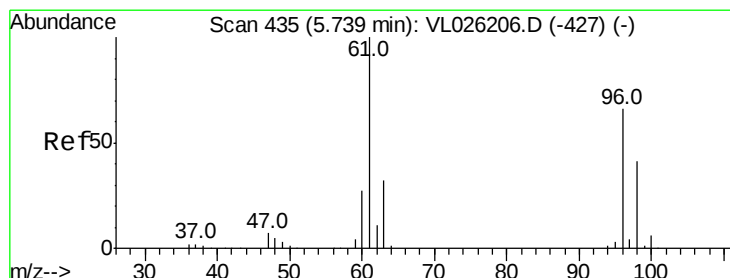
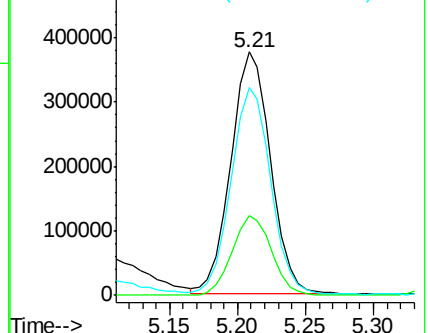
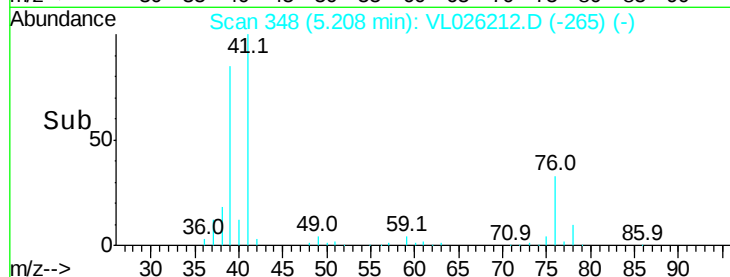
39 85.4 65.6 98.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 15.04 ppbv

RT: 5.75 min Scan# 437

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

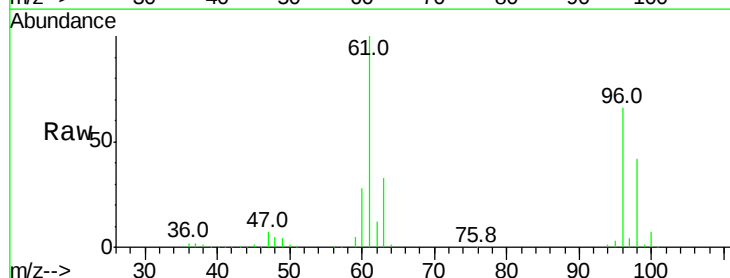
Tgt Ion: 96 Resp: 650997

Ion Ratio Lower Upper

96 100

61 151.0 121.3 181.9

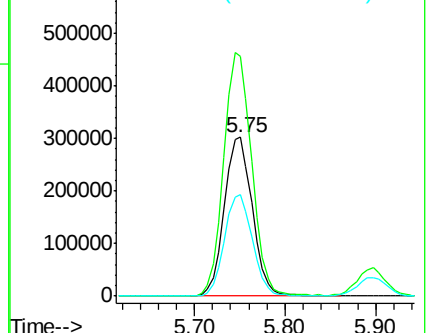
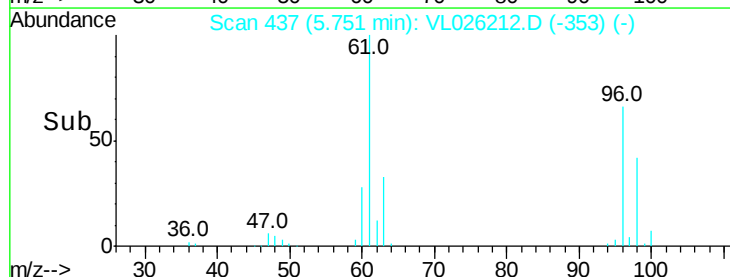
98 63.8 49.8 74.8

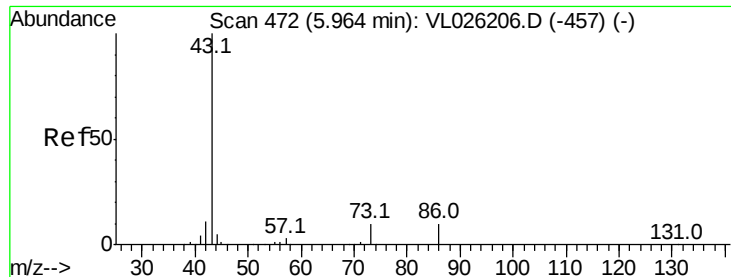


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 14.53 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2143099

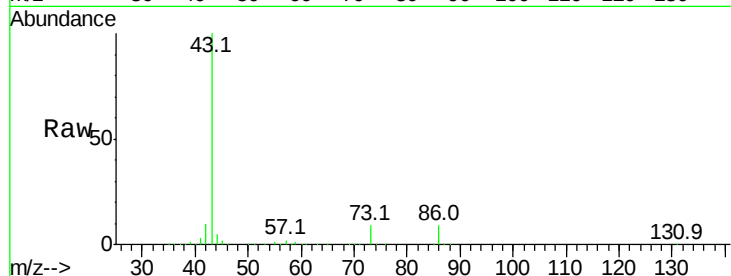
Ion Ratio Lower Upper

43 100

86 9.4 7.8 11.6

42 9.6 8.4 12.6

44 4.7 3.7 5.5

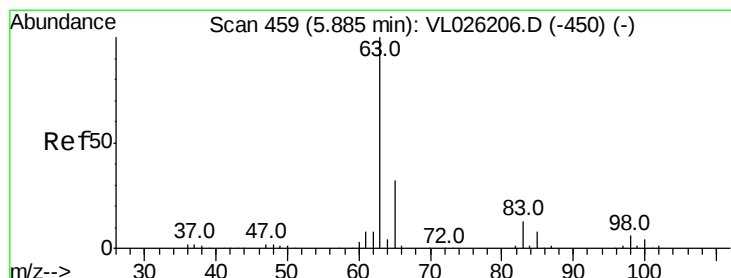
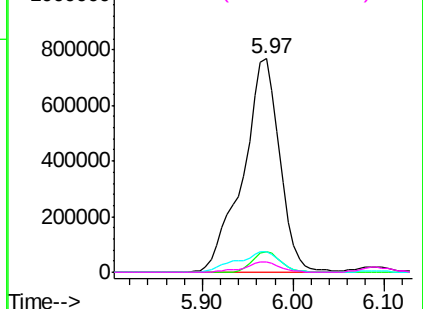
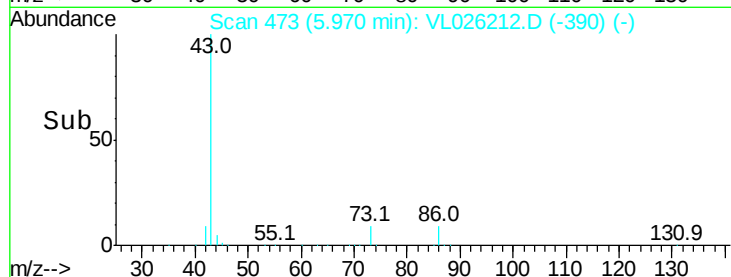


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 14.66 ppbv

RT: 5.90 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

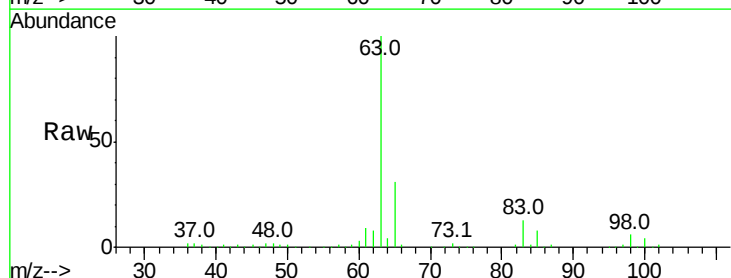
Tgt Ion: 63 Resp: 1345371

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

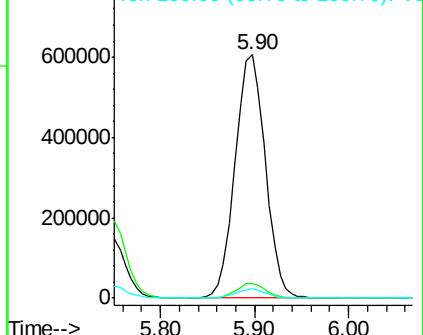
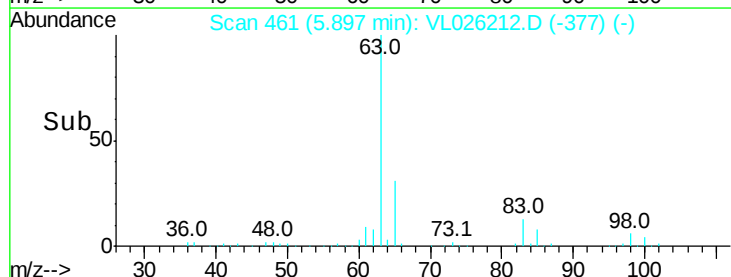
100 3.6 1.8 5.5

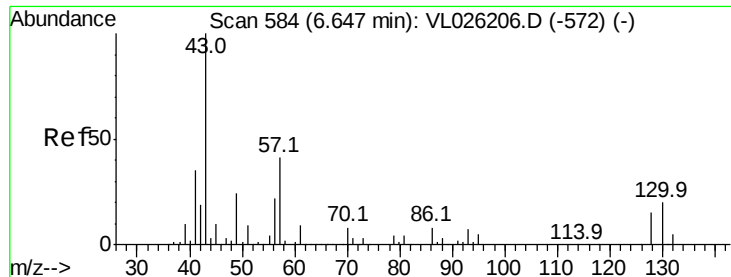


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 14.51 ppbv

RT: 6.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2149511

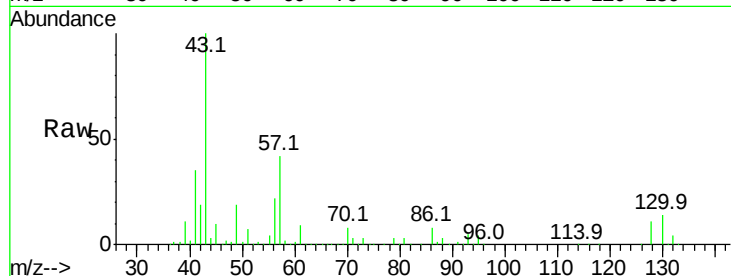
Ion Ratio Lower Upper

43 100

45 9.7 7.5 11.3

61 9.0 7.5 11.3

70 8.5 6.9 10.3

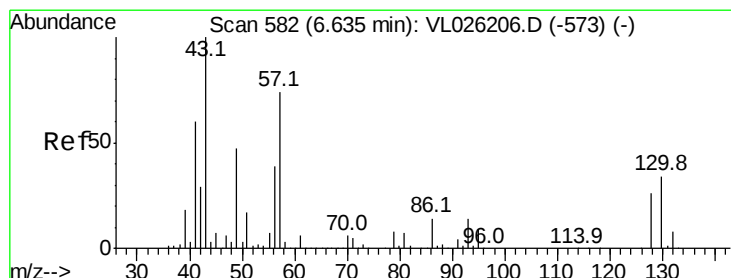
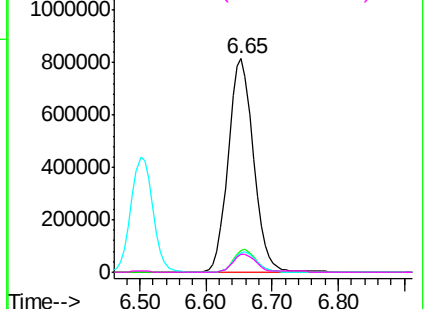
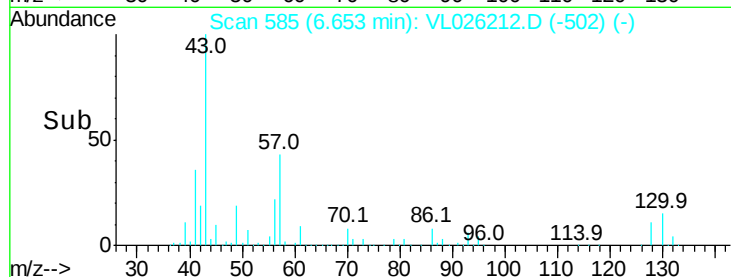


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 14.24 ppbv

RT: 6.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Tgt Ion: 57 Resp: 1059959

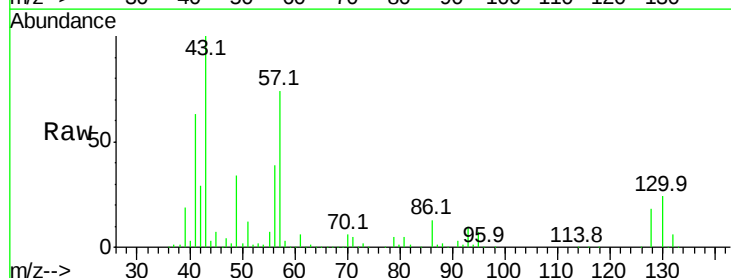
Ion Ratio Lower Upper

57 100

41 85.7 67.0 100.6

43 203.5 156.0 234.0

56 52.5 42.1 63.1

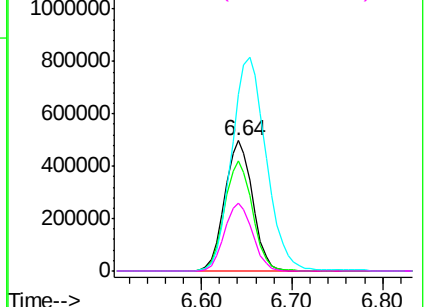
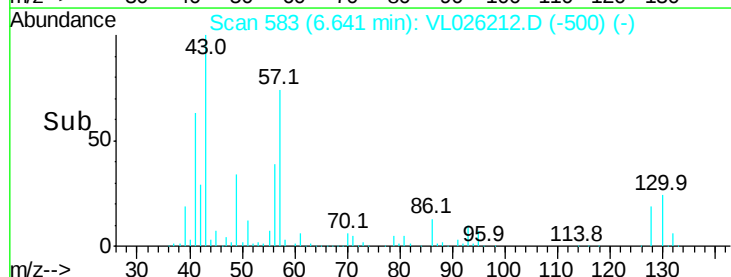


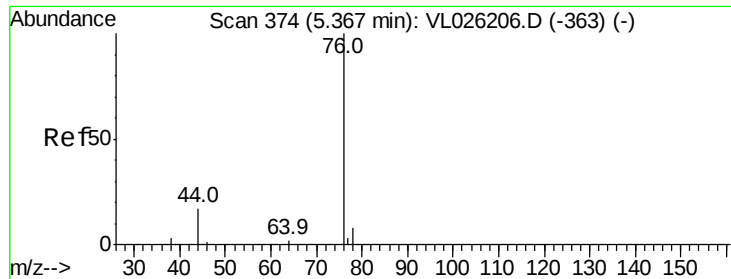
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 14.94 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

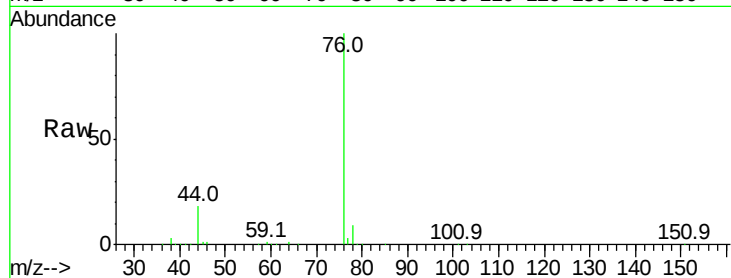
Tgt Ion: 76 Resp: 1420269

Ion Ratio Lower Upper

76 100

44 17.6 13.8 20.6

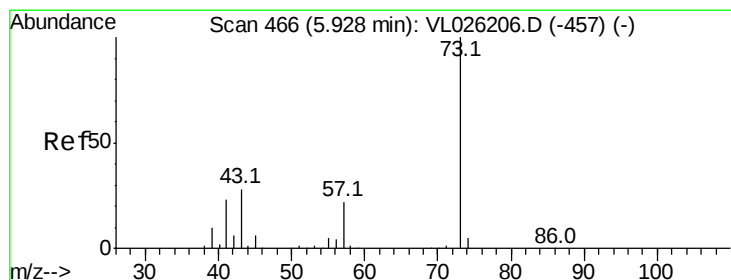
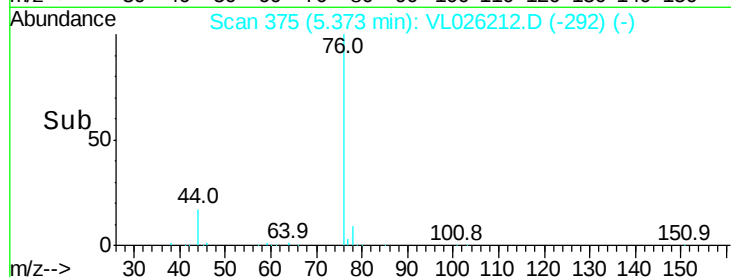
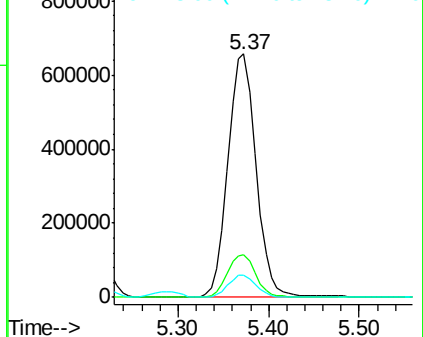
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 15.05 ppbv

RT: 5.93 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL026212.D

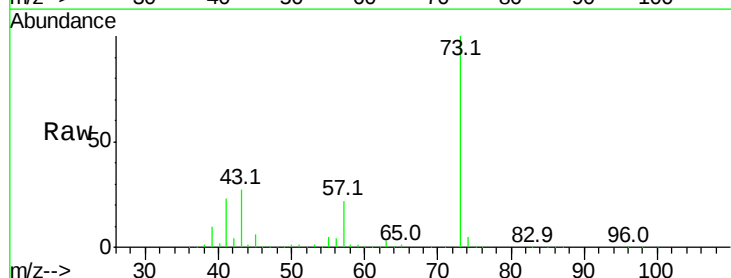
Acq: 20 Oct 2015 14:43

Tgt Ion: 73 Resp: 1984815

Ion Ratio Lower Upper

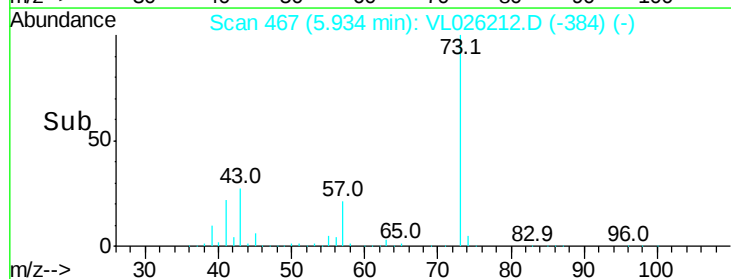
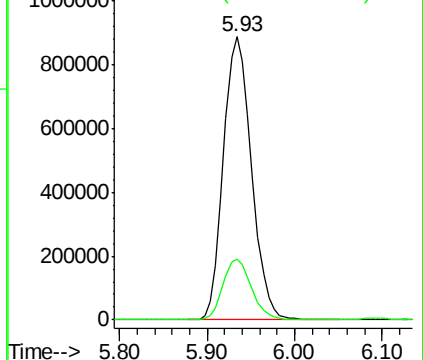
73 100

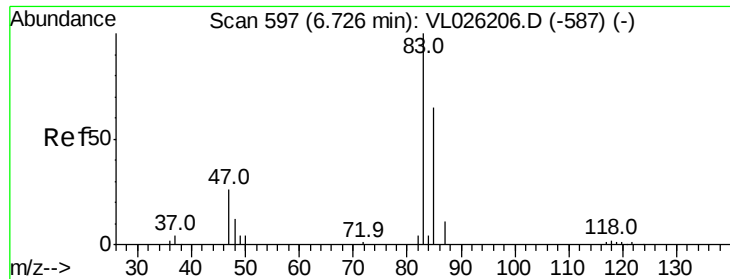
57 21.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

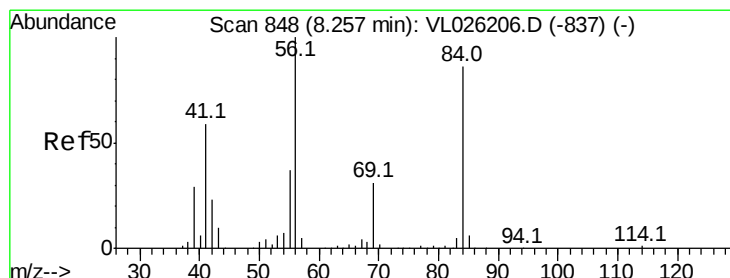
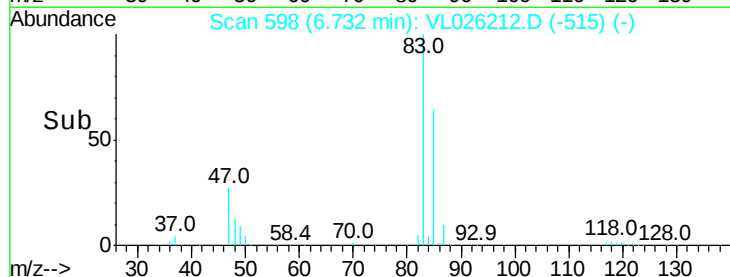
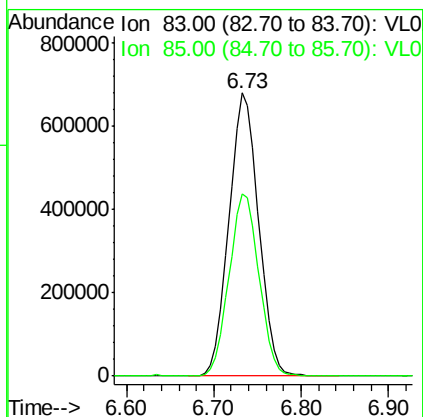
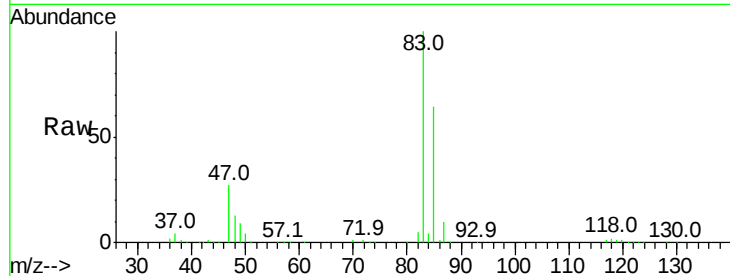




#29
Chloroform
Concen: 15.04 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.01 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

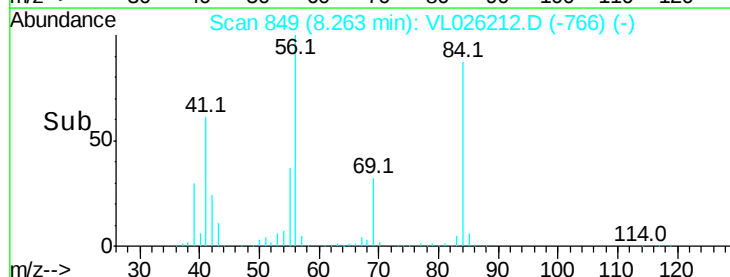
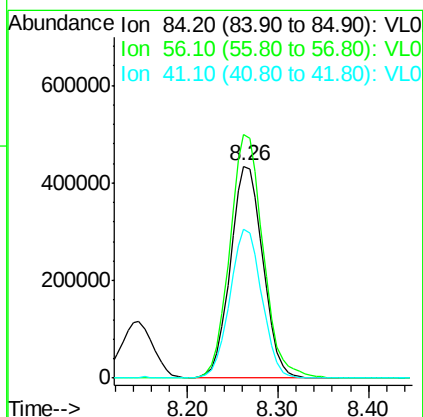
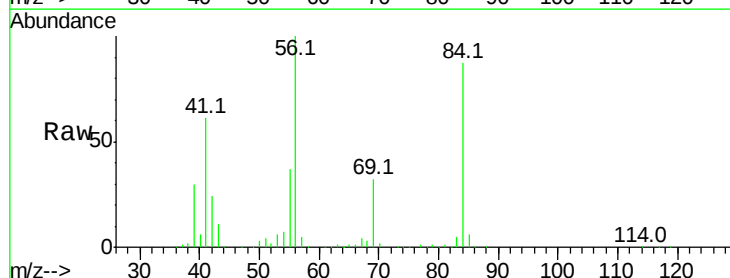
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

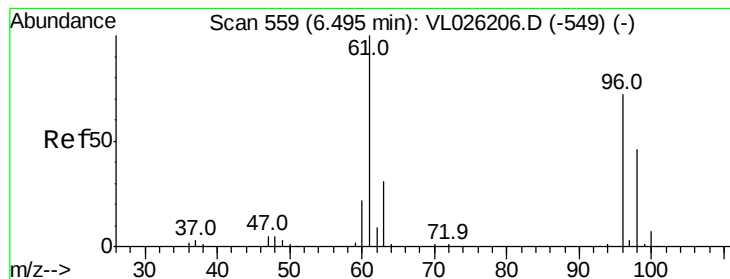
Tgt Ion: 83 Resp: 1603035
Ion Ratio Lower Upper
83 100
85 64.2 51.8 77.6



#30
Cyclohexane
Concen: 14.67 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.01 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

Tgt Ion: 84 Resp: 1083105
Ion Ratio Lower Upper
84 100
56 118.6 97.5 146.3
41 69.5 54.6 81.8





#31

cis-1,2-Dichloroethene

Concen: 15.11 ppbv

RT: 6.50 min Scan# 560

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

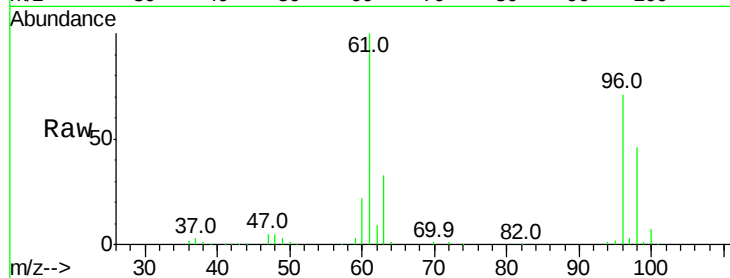
Tgt Ion: 61 Resp: 1013207

Ion Ratio Lower Upper

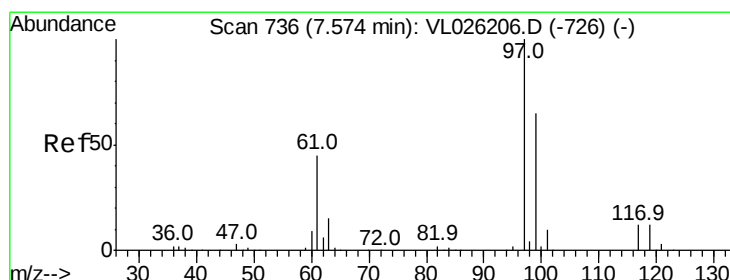
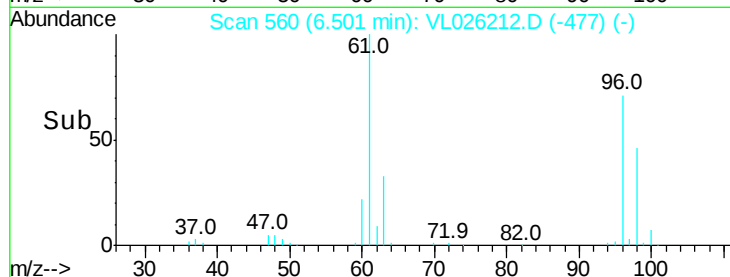
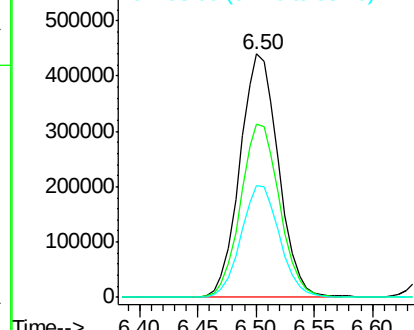
61 100

96 71.2 57.9 86.9

98 45.7 37.2 55.8



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: 14.54 ppbv

RT: 7.58 min Scan# 737

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

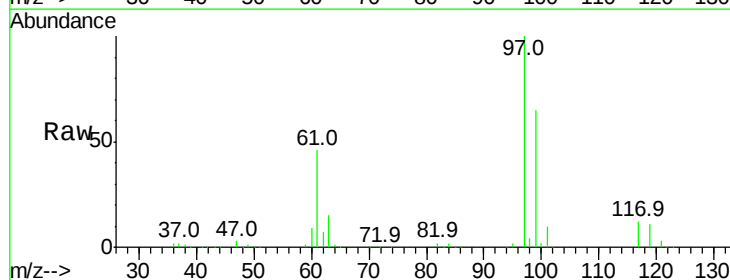
Tgt Ion: 97 Resp: 1720675

Ion Ratio Lower Upper

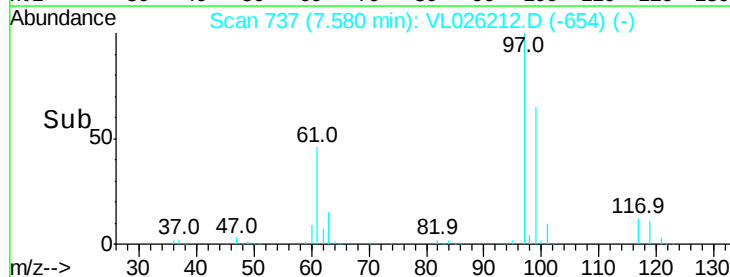
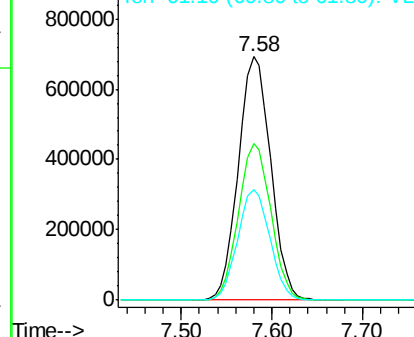
97 100

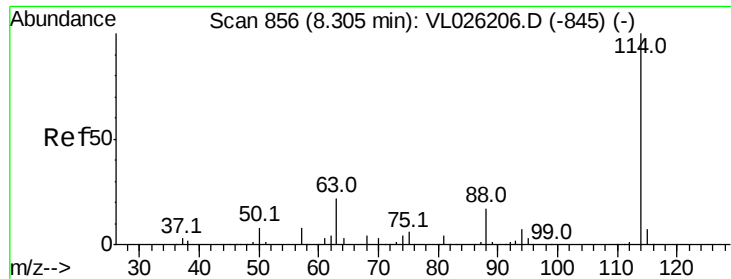
99 64.5 51.4 77.2

61 45.3 36.0 54.0



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

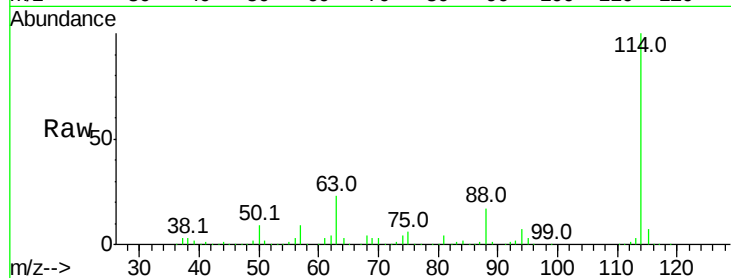




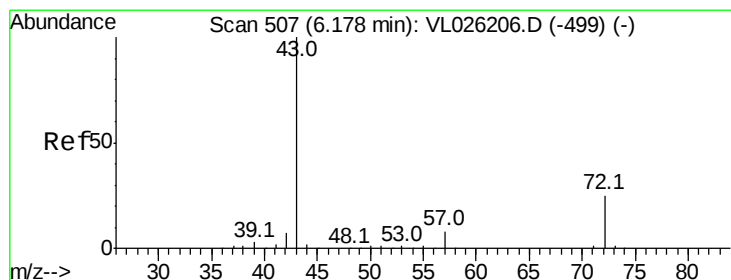
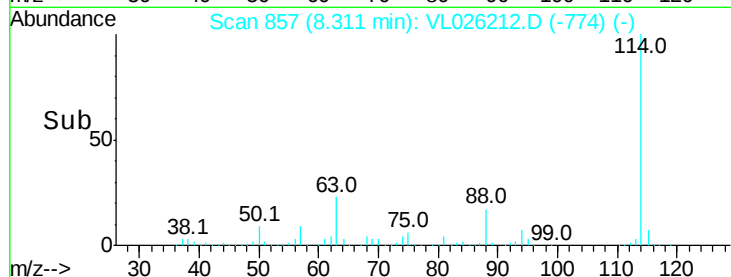
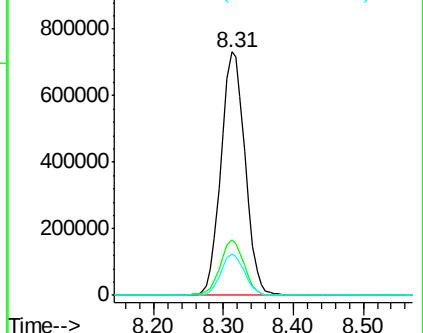
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:114 Resp: 1757093
 Ion Ratio Lower Upper
 114 100
 63 22.8 17.9 26.9
 88 16.8 13.6 20.4

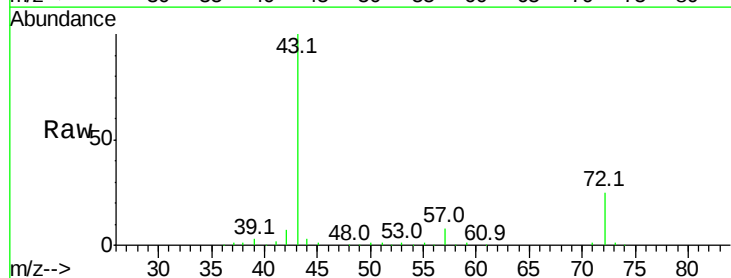


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

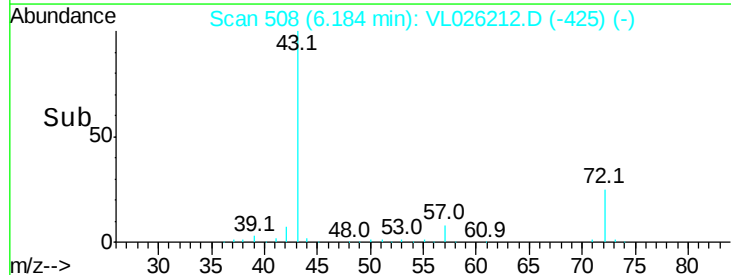
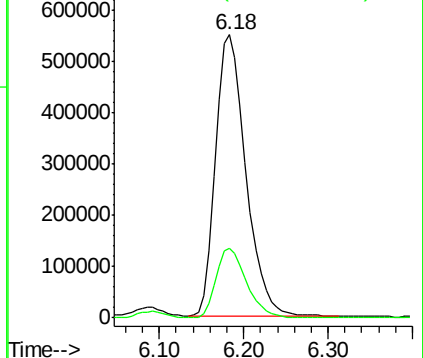


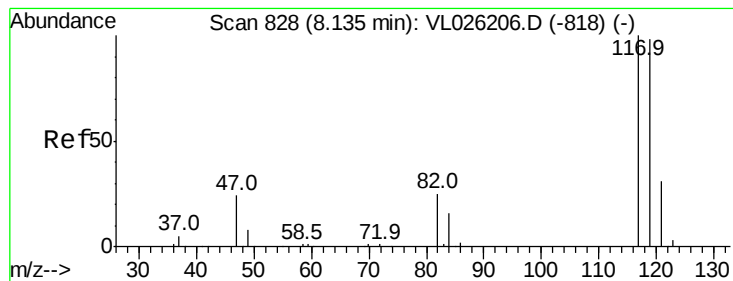
#34
 2-Butanone
 Concen: 13.65 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion: 43 Resp: 1360969
 Ion Ratio Lower Upper
 43 100
 72 25.0 20.2 30.4



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





#35

Carbon Tetrachloride

Concen: 13.62 ppbv

RT: 8.15 min Scan# 830

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

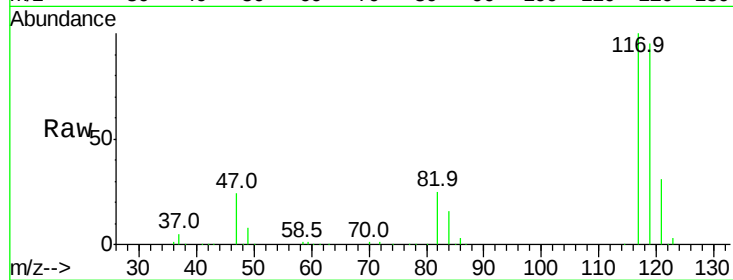
Tgt Ion:117 Resp: 1794312

Ion Ratio Lower Upper

117 100

119 95.0 78.3 117.5

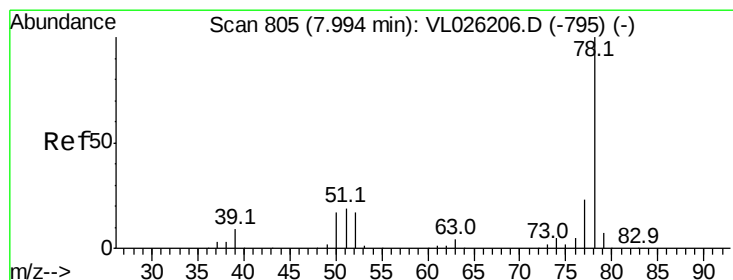
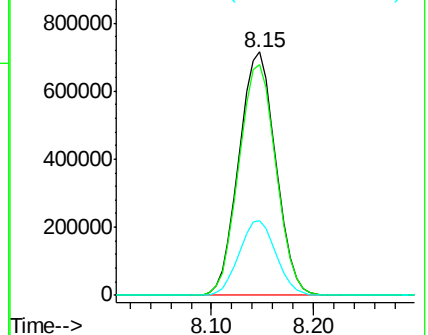
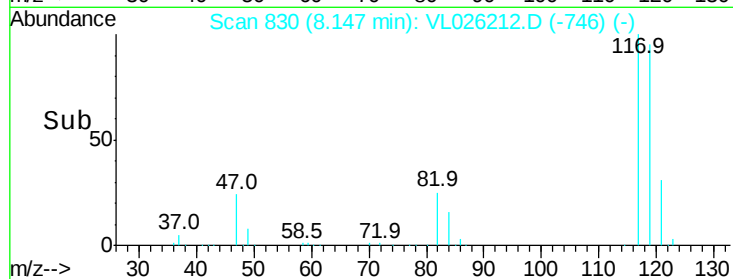
121 30.7 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 13.62 ppbv

RT: 8.01 min Scan# 807

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

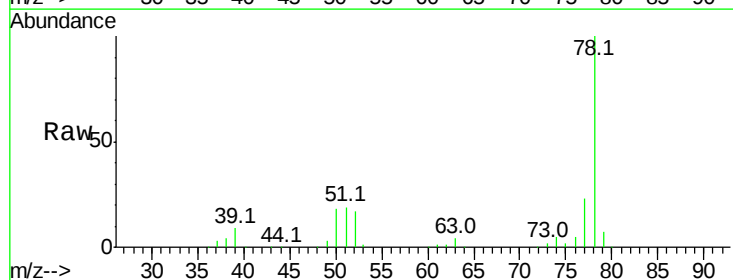
Tgt Ion: 78 Resp: 2416915

Ion Ratio Lower Upper

78 100

77 23.4 18.1 27.1

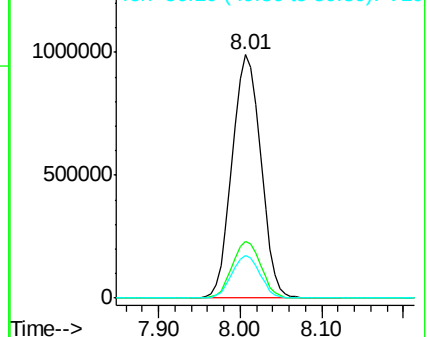
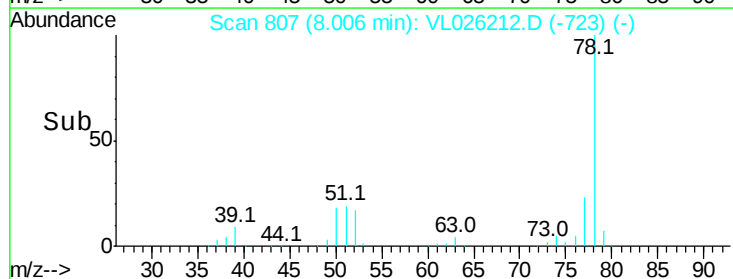
50 17.5 13.4 20.0

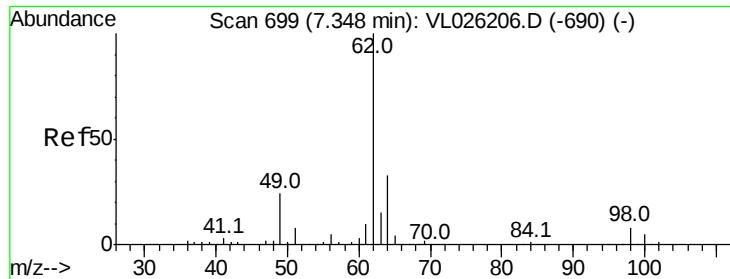


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

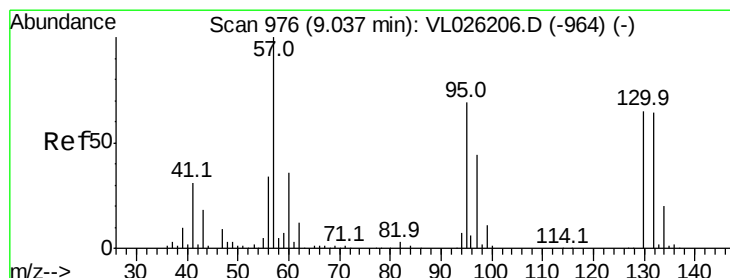
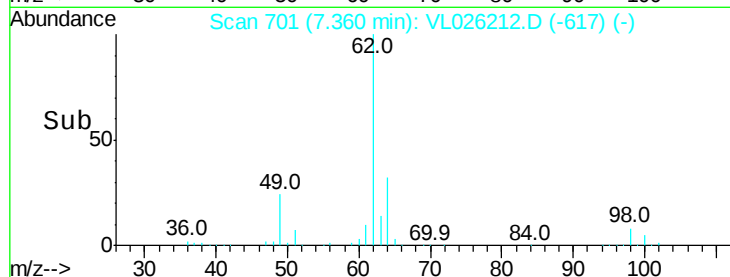
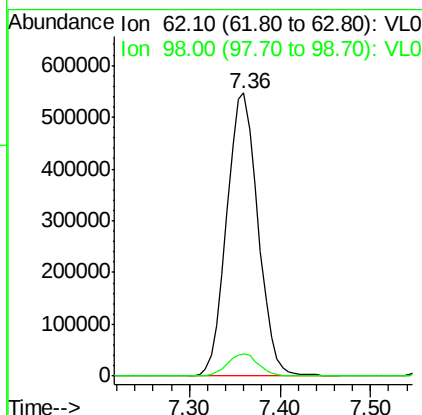
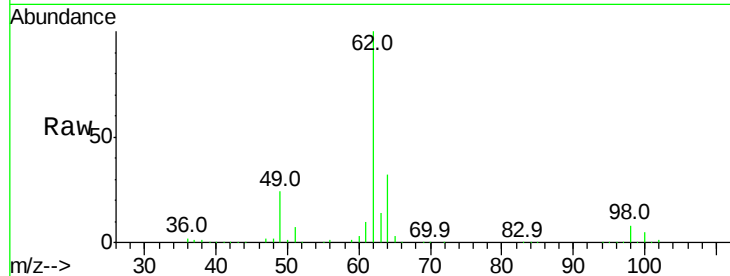




#37
 1,2-Dichloroethane
 Concen: 14.46 ppbv
 RT: 7.36 min Scan# 701
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

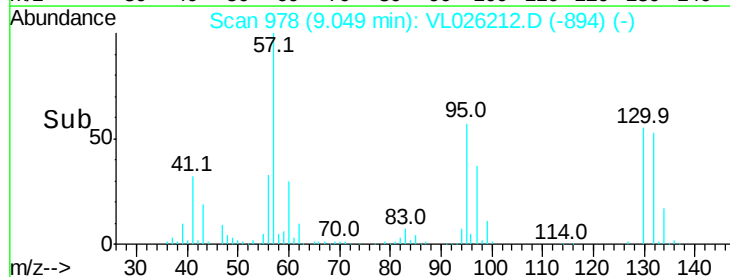
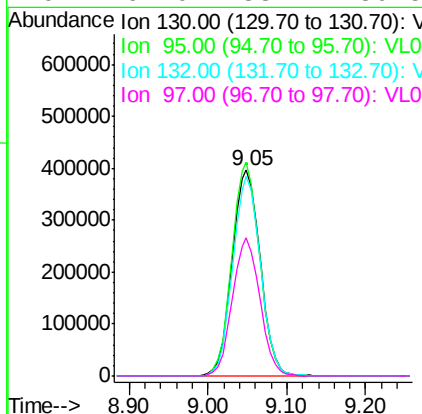
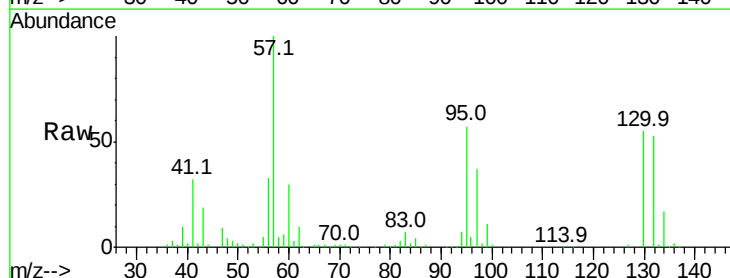
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

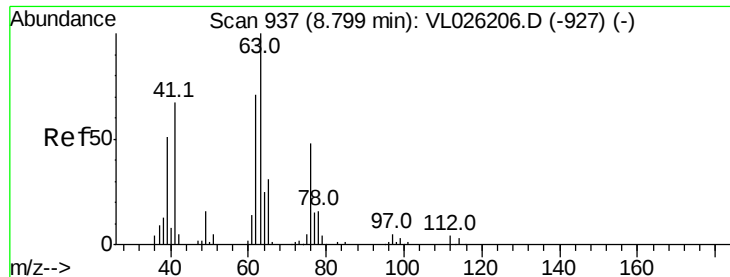
Tgt Ion: 62 Resp: 1311979
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.2 9.4



#38
 Trichloroethene
 Concen: 11.52 ppbv
 RT: 9.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion:130 Resp: 986574
 Ion Ratio Lower Upper
 130 100
 95 103.7 84.2 126.2
 132 97.0 78.5 117.7
 97 67.0 53.7 80.5

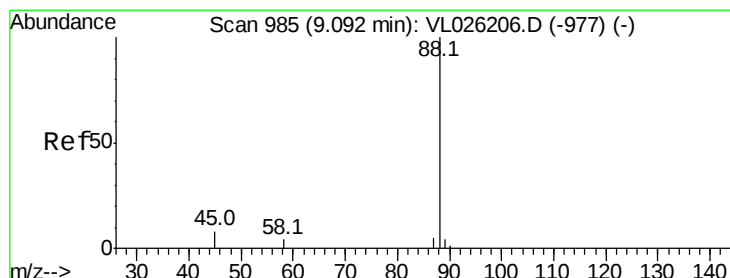
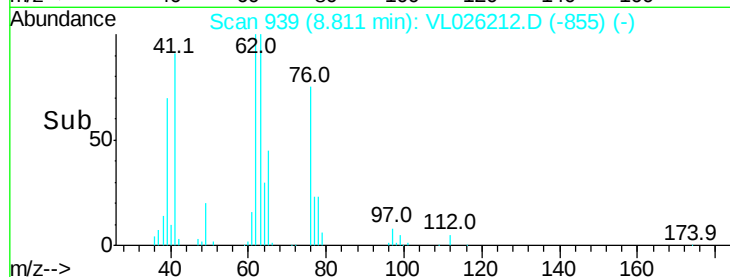
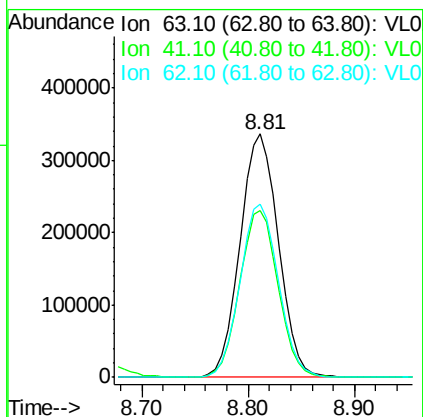
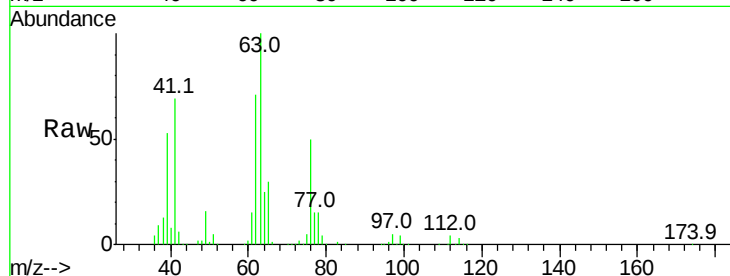




#39
 1,2-Dichloropropane
 Concen: 13.59 ppbv
 RT: 8.81 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

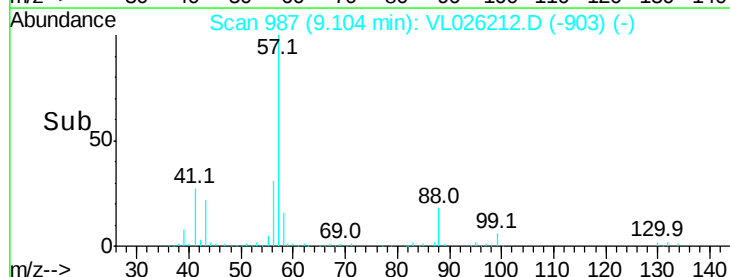
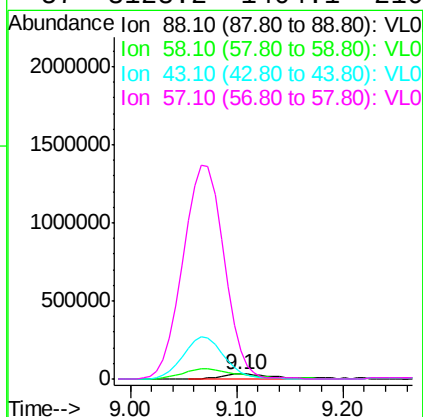
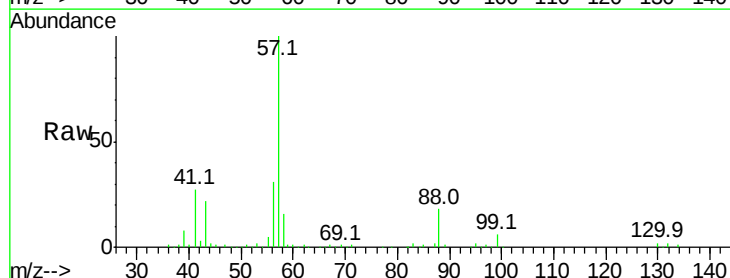
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

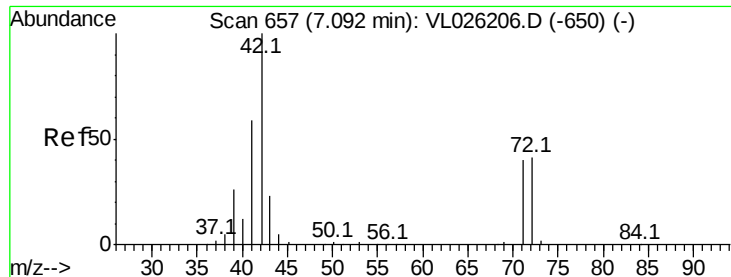
Tgt Ion: 63 Resp: 853290
 Ion Ratio Lower Upper
 63 100
 41 68.4 54.0 81.0
 62 71.1 56.7 85.1



#40
 1,4-Dioxane
 Concen: 9.18 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion: 88 Resp: 117345
 Ion Ratio Lower Upper
 88 100
 58 211.2 115.9 173.9#
 43 616.3 279.4 419.0#
 57 3128.2 1404.1 2106.1#





#41

Tetrahydrofuran

Concen: 13.92 ppbv

RT: 7.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

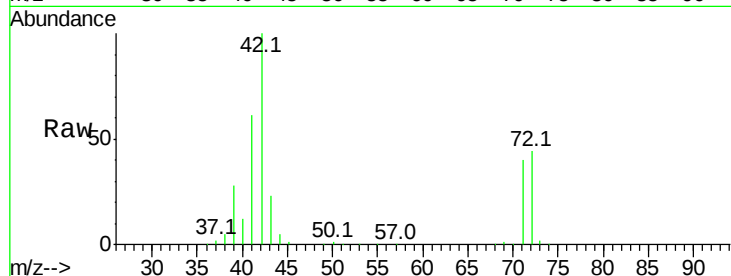
Tgt Ion: 42 Resp: 805074

Ion Ratio Lower Upper

42 100

72 42.6 33.8 50.6

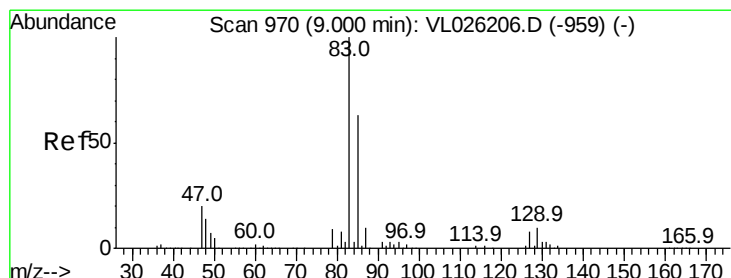
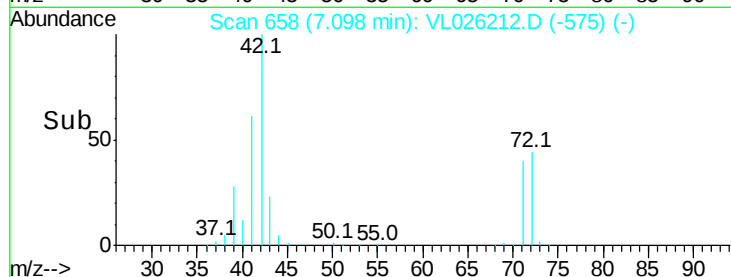
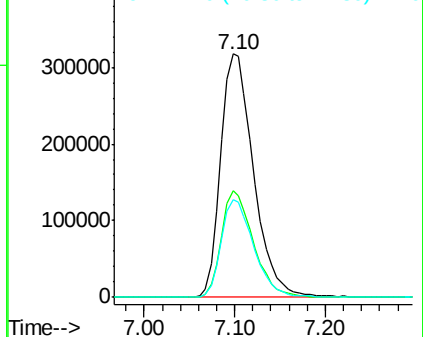
71 39.8 32.3 48.5



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 14.06 ppbv

RT: 9.01 min Scan# 972

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

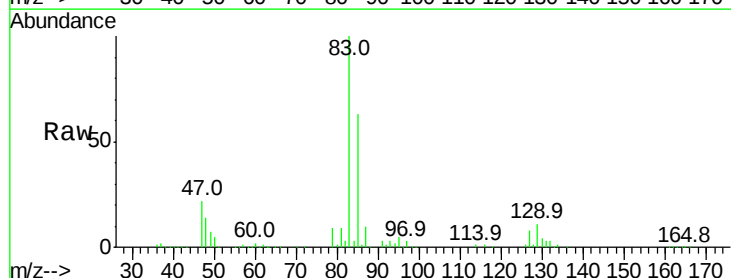
Tgt Ion: 83 Resp: 1829624

Ion Ratio Lower Upper

83 100

85 63.0 50.6 75.8

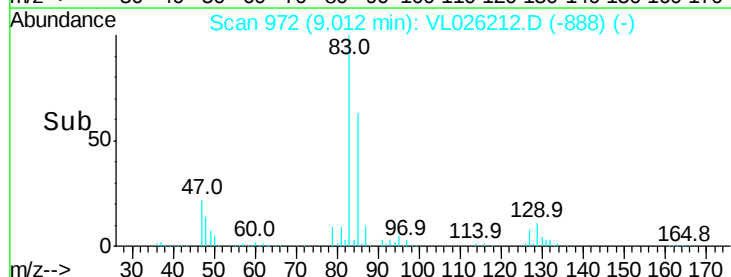
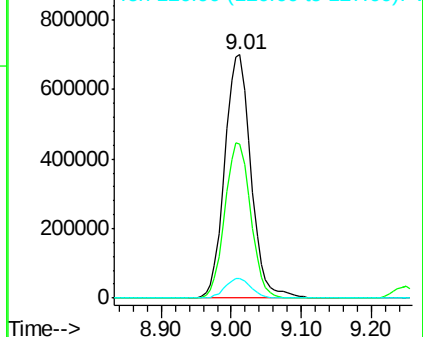
127 8.3 6.5 9.7

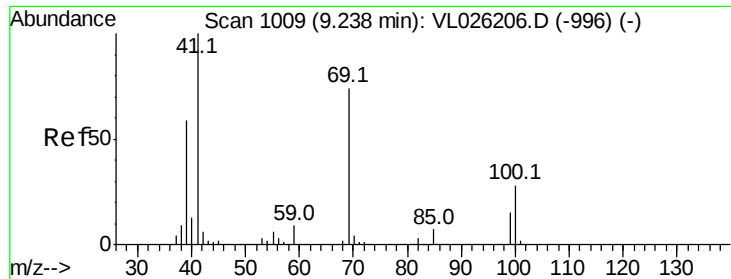


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 14.56 ppbv

RT: 9.25 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

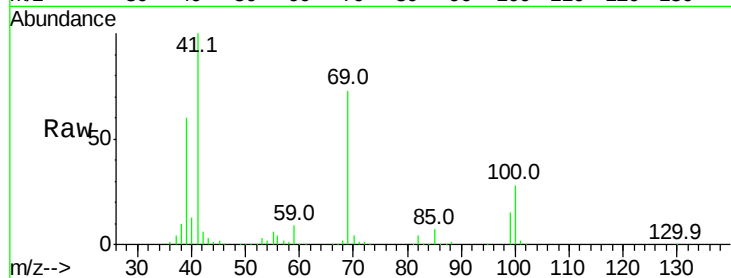
Tgt Ion: 69 Resp: 938990

Ion Ratio Lower Upper

69 100

41 136.5 109.0 163.4

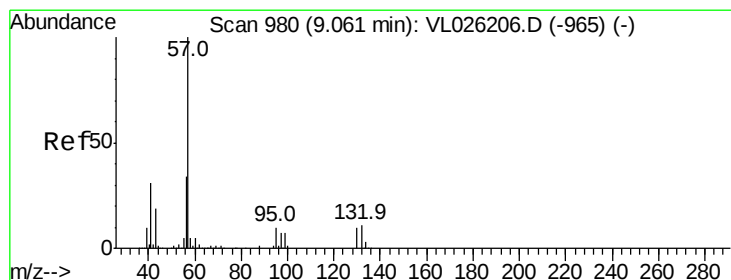
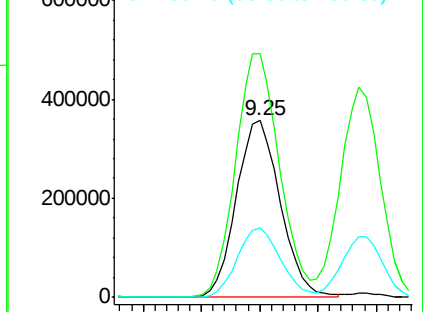
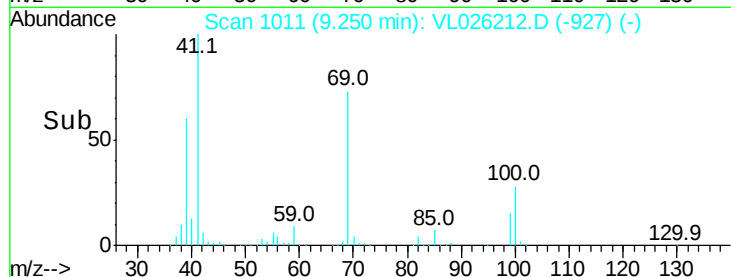
100 38.4 31.0 46.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 12.80 ppbv

RT: 9.07 min Scan# 981

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

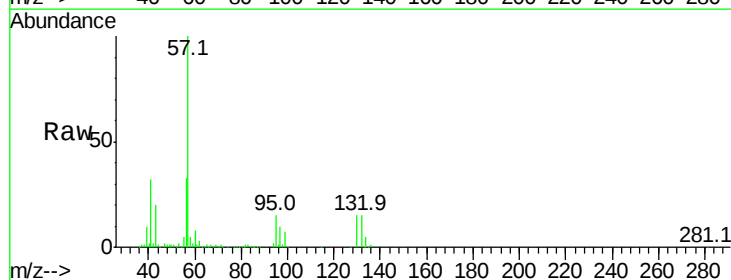
Tgt Ion: 57 Resp: 3668865

Ion Ratio Lower Upper

57 100

41 30.5 24.0 36.0

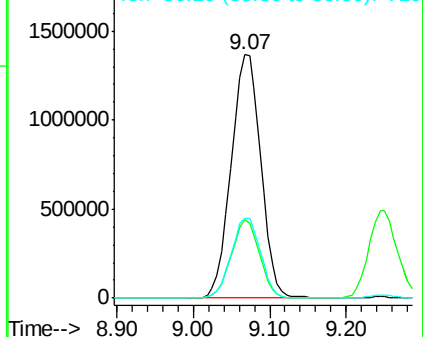
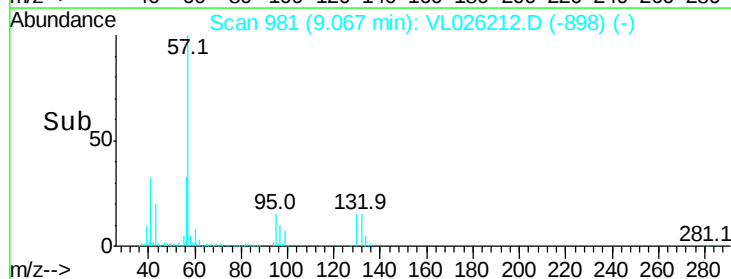
56 32.7 26.6 39.8

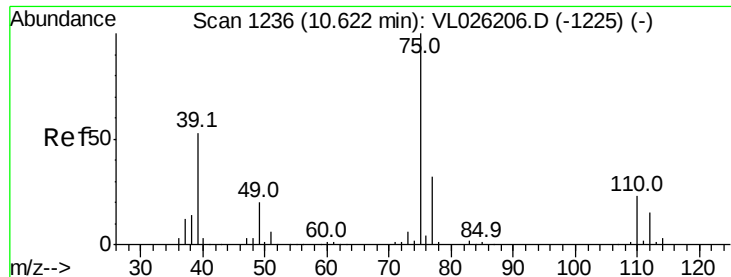


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 15.18 ppbv

RT: 10.63 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

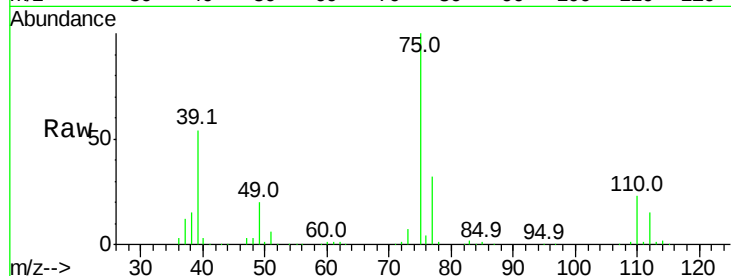
VSTDIC015

Tgt Ion: 75 Resp: 1506117

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.63

600000

500000

400000

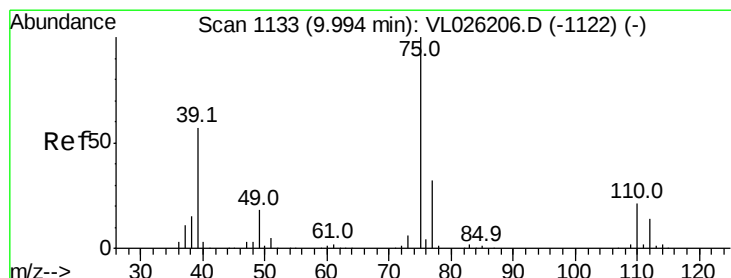
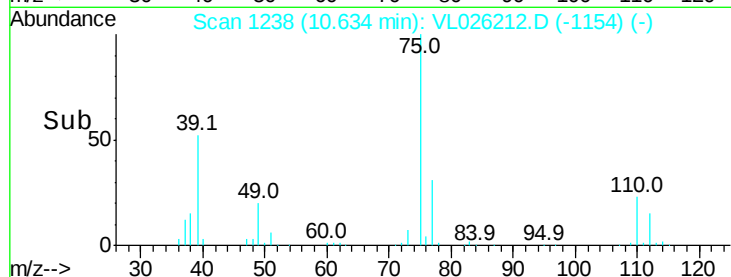
300000

200000

100000

0

Time--> 10.50 10.60 10.70



#46

cis-1,3-Dichloropropene

Concen: 14.49 ppbv

RT: 10.01 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

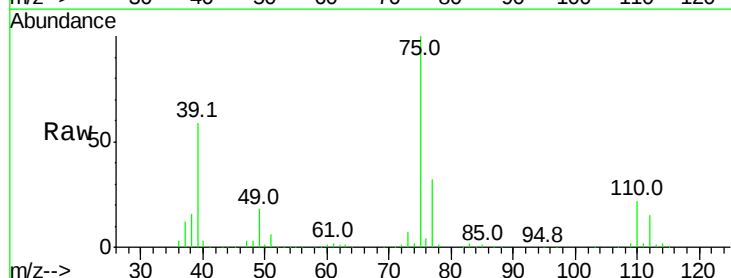
Tgt Ion: 75 Resp: 1695399

Ion Ratio Lower Upper

75 100

39 59.0 45.3 67.9

77 31.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

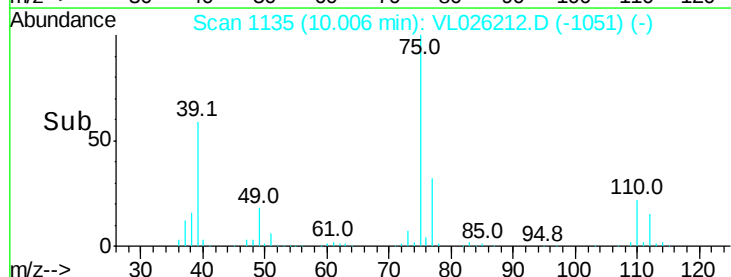
600000

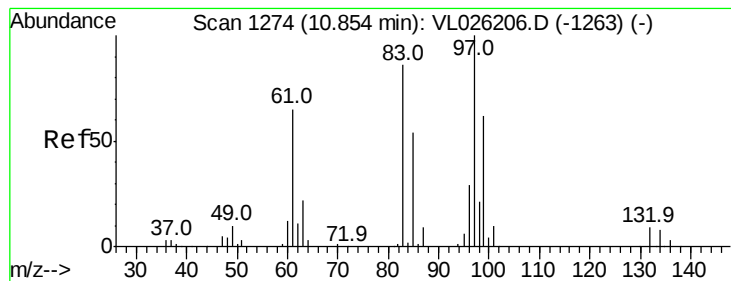
400000

200000

0

Time--> 9.90 10.00 10.10





#47

1,1,2-Trichloroethane

Concen: 14.11 ppbv

RT: 10.87 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1096104

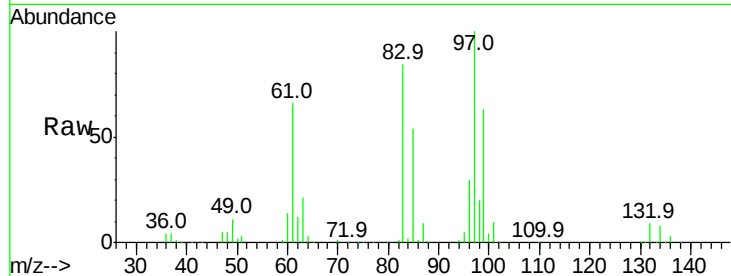
Ion Ratio Lower Upper

97 100

83 83.9 68.6 103.0

85 53.9 43.5 65.3

99 63.1 49.4 74.2

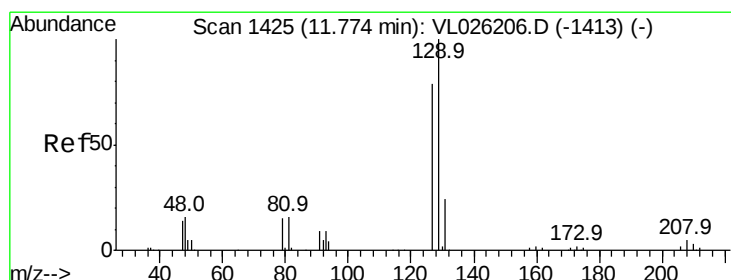
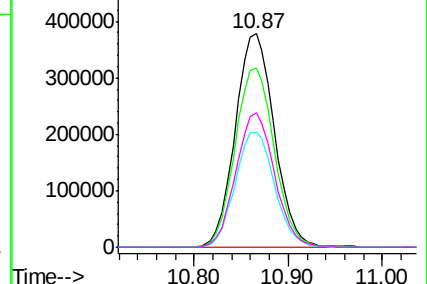
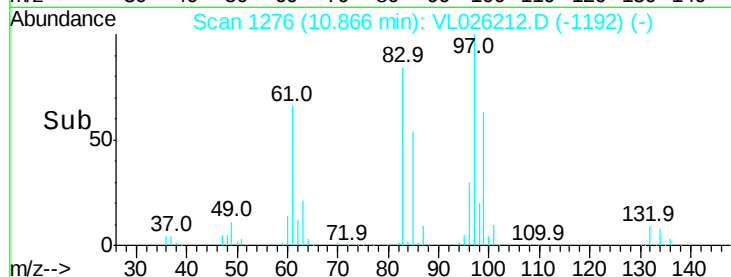


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 14.56 ppbv

RT: 11.79 min Scan# 1427

Delta R.T. 0.01 min

Lab File: VL026212.D

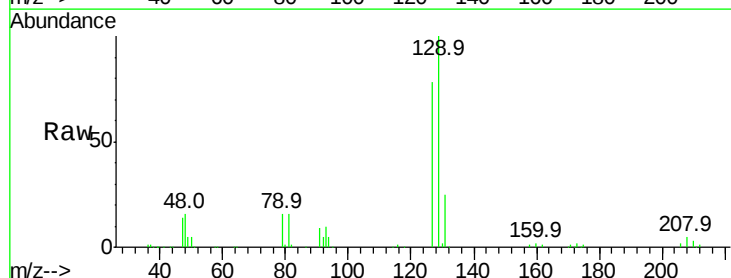
Acq: 20 Oct 2015 14:43

Tgt Ion: 129 Resp: 1822939

Ion Ratio Lower Upper

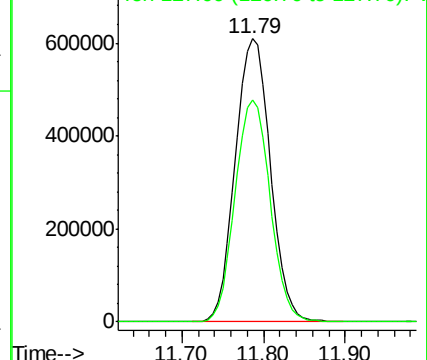
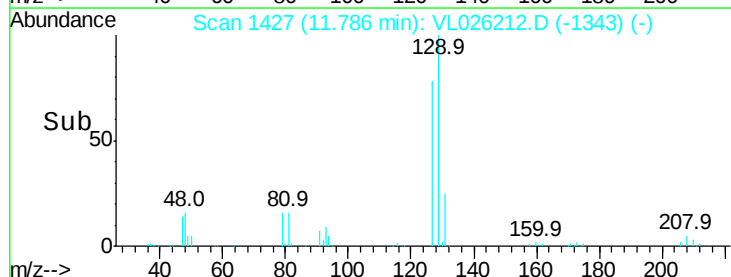
129 100

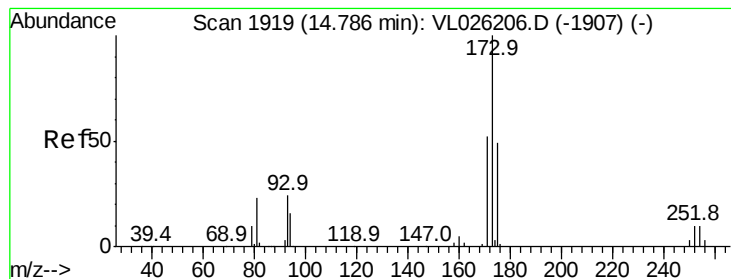
127 78.6 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 15.00 ppbv

RT: 14.80 min Scan# 1922

Delta R.T. 0.02 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

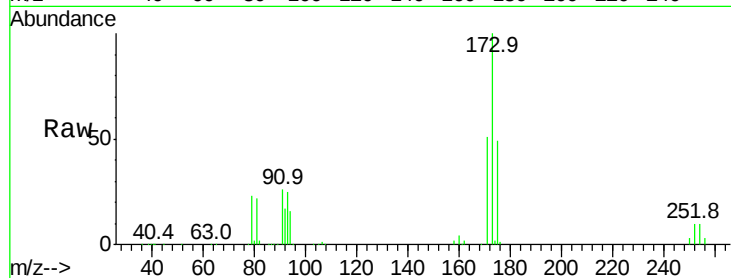
Tgt Ion:173 Resp: 1567586

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

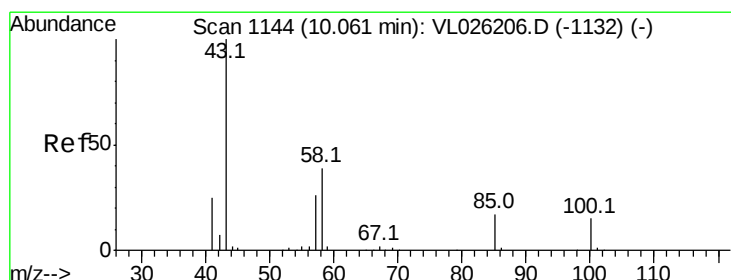
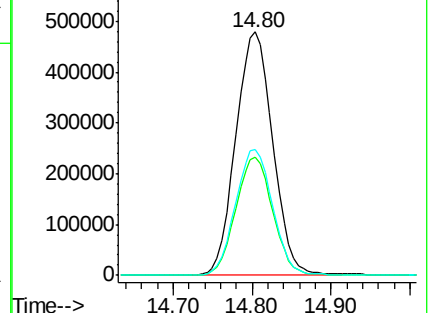
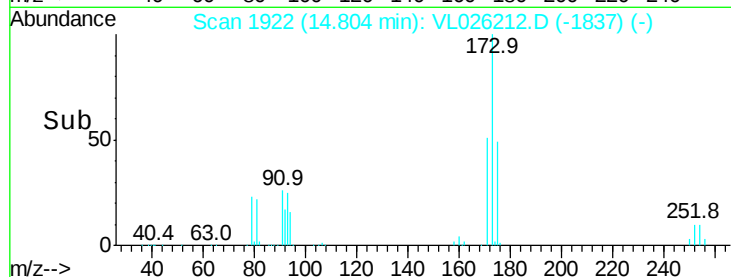
171 52.2 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 14.42 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VL026212.D

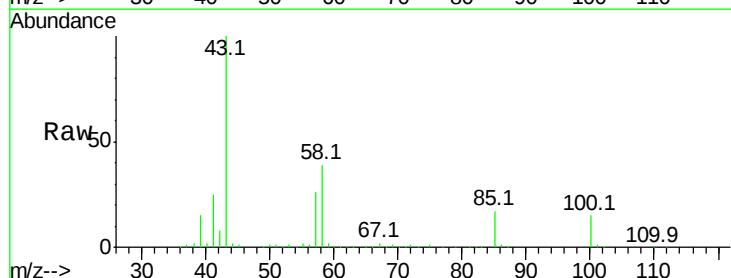
Acq: 20 Oct 2015 14:43

Tgt Ion: 43 Resp: 1928830

Ion Ratio Lower Upper

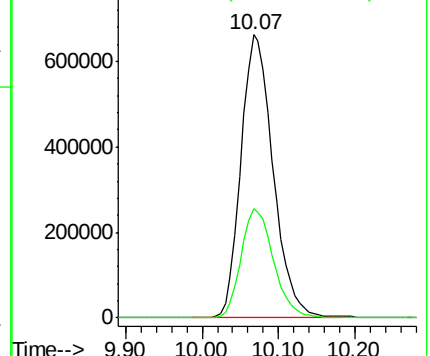
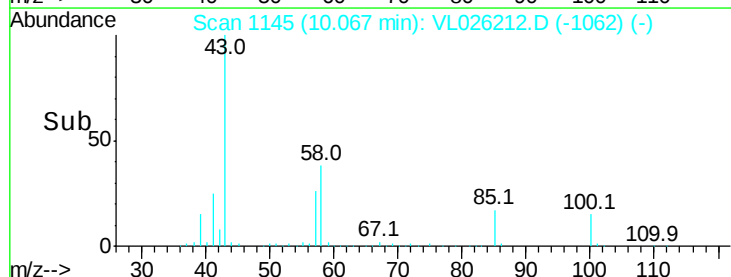
43 100

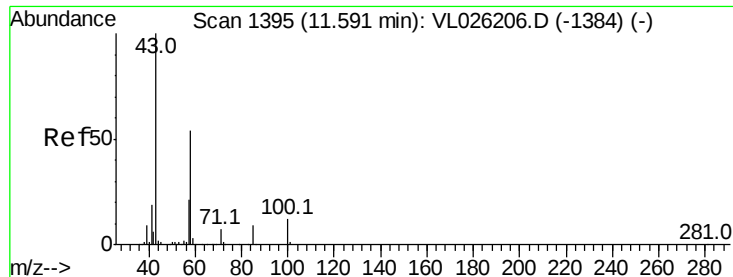
58 39.1 31.3 46.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 15.21 ppbv

RT: 11.60 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

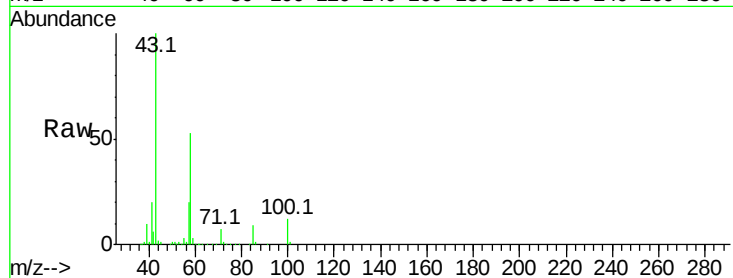
Tgt Ion: 43 Resp: 1879463

Ion Ratio Lower Upper

43 100

58 53.8 43.9 65.9

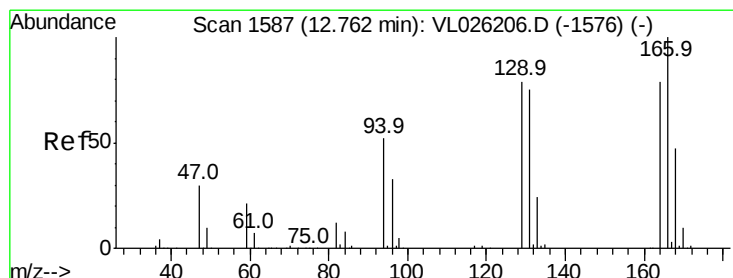
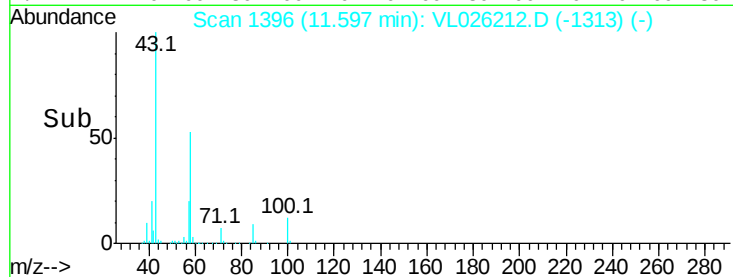
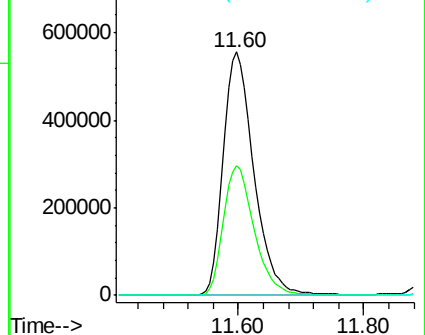
98 0.0 0.1 0.1#



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: 11.03 ppbv

RT: 12.77 min Scan# 1589

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Tgt Ion: 164 Resp: 1111068

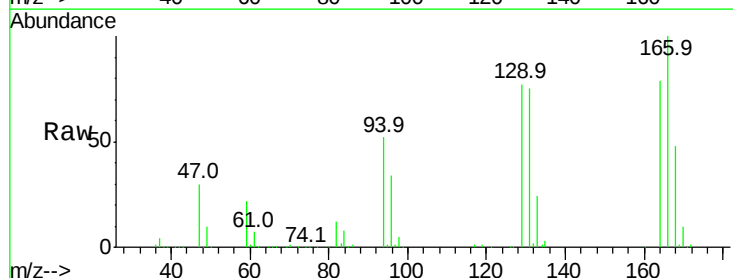
Ion Ratio Lower Upper

164 100

166 127.0 100.9 151.3

129 98.3 79.7 119.5

131 94.7 75.5 113.3

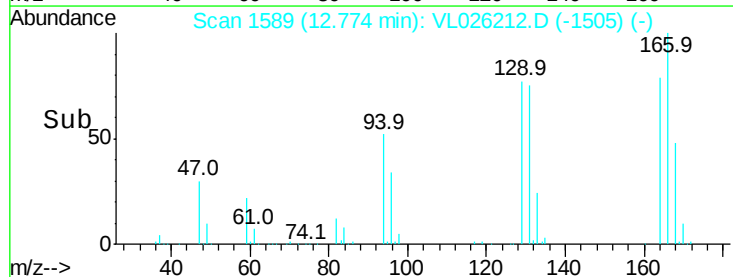
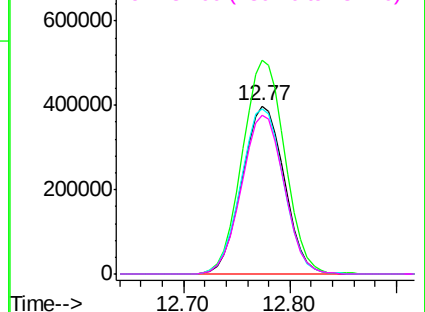


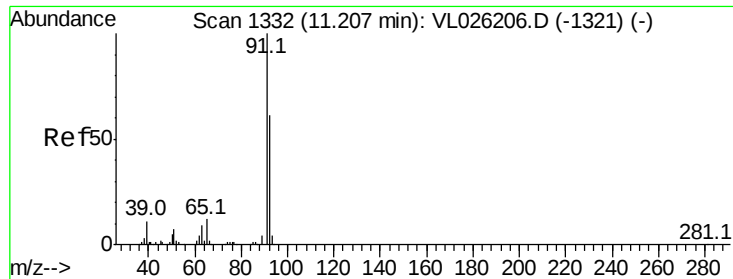
Abundance Ion 163.90 (163.60 to 164.60): V

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: 13.75 ppbv

RT: 11.22 min Scan# 1334

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

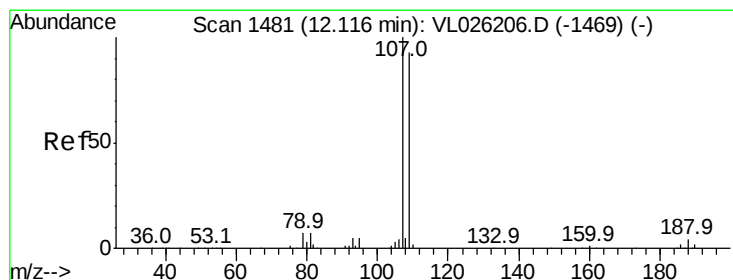
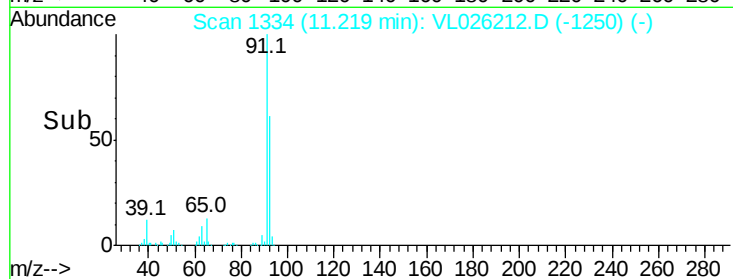
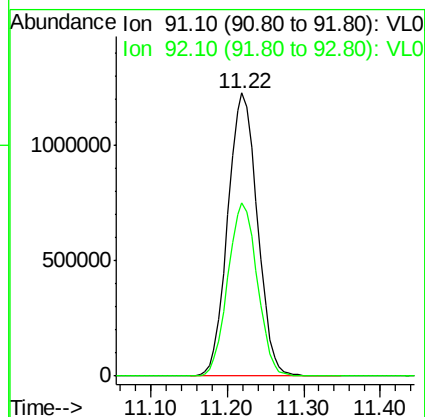
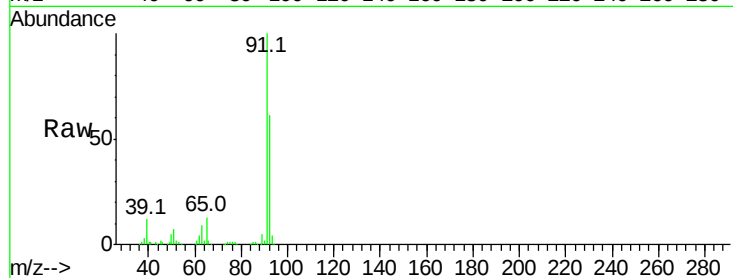
VSTDIC015

Tgt Ion: 91 Resp: 3281624

Ion Ratio Lower Upper

91 100

92 61.2 49.0 73.6



#54

1,2-Dibromoethane

Concen: 14.22 ppbv

RT: 12.13 min Scan# 1483

Delta R.T. 0.01 min

Lab File: VL026212.D

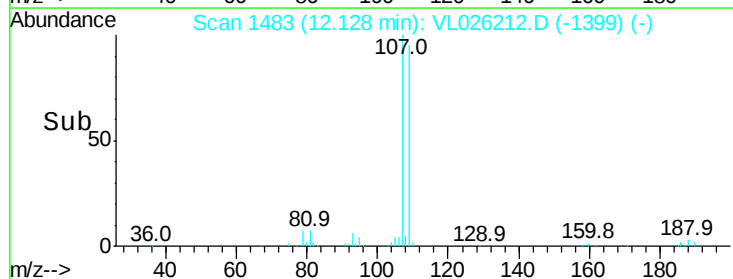
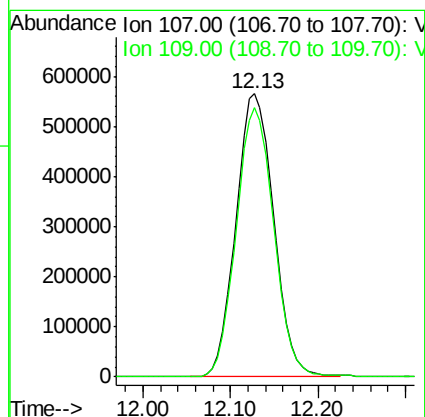
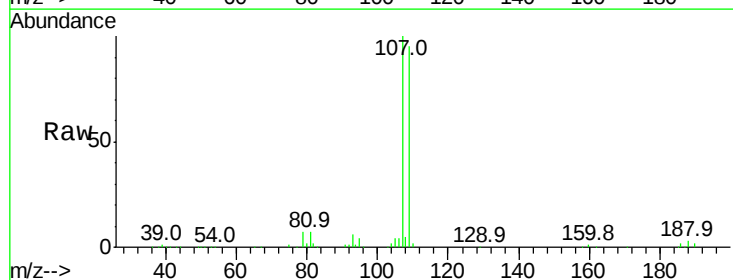
Acq: 20 Oct 2015 14:43

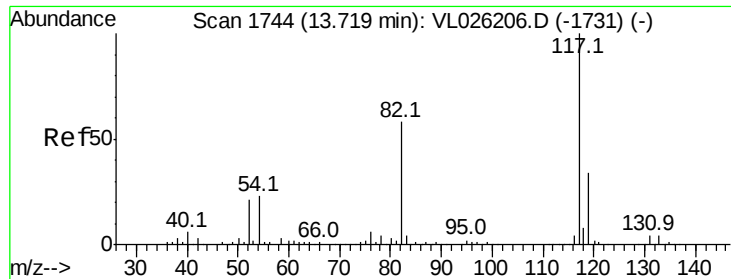
Tgt Ion: 107 Resp: 1702870

Ion Ratio Lower Upper

107 100

109 95.0 74.6 112.0

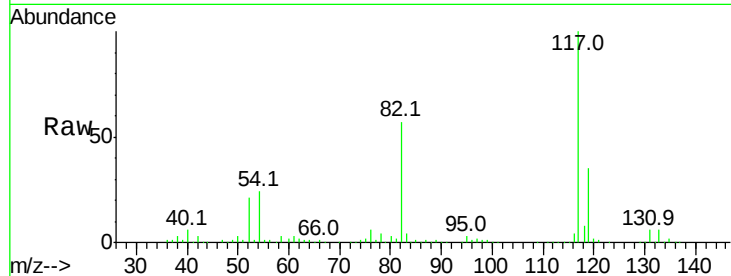




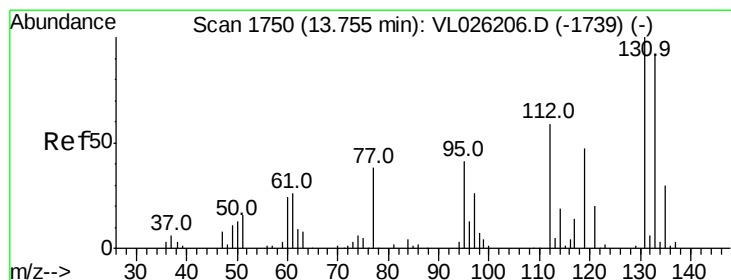
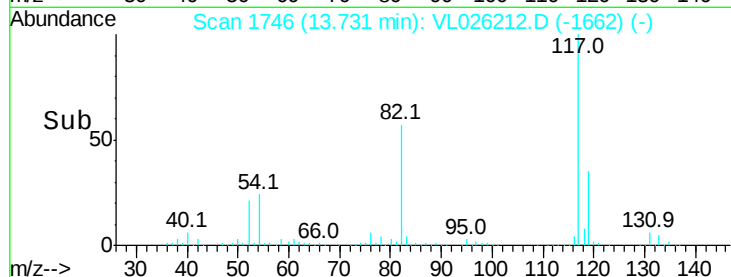
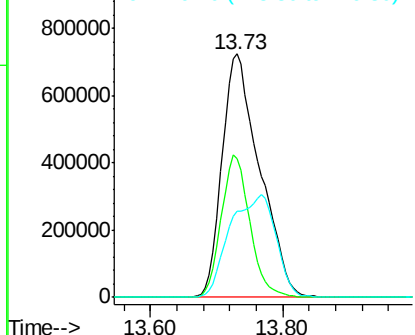
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.73 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 2860655
Ion Ratio Lower Upper
117 100
82 44.4 46.3 69.5#
119 51.7 45.0 67.4

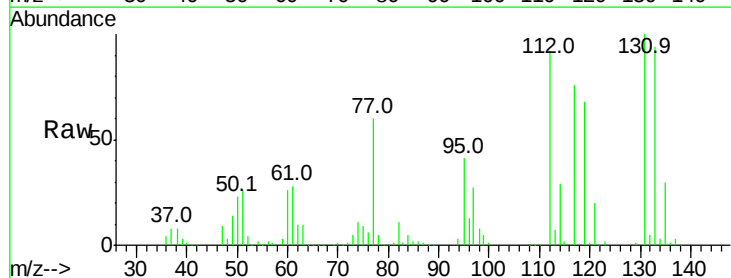


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

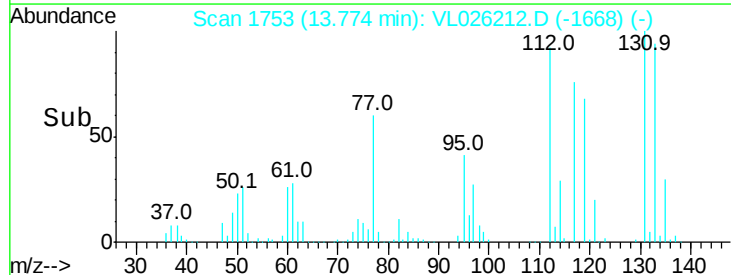
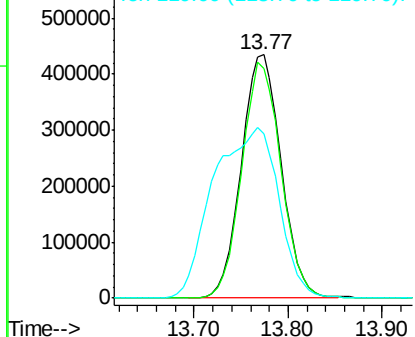


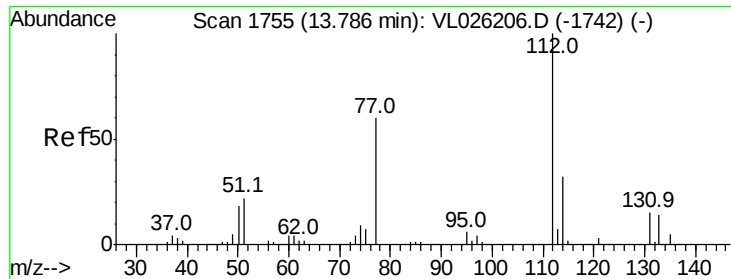
#56
1,1,1,2-Tetrachloroethane
Concen: 9.39 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. 0.02 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

Tgt Ion:131 Resp: 1282437
Ion Ratio Lower Upper
131 100
133 96.0 76.1 114.1
119 115.2 109.4 164.2



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

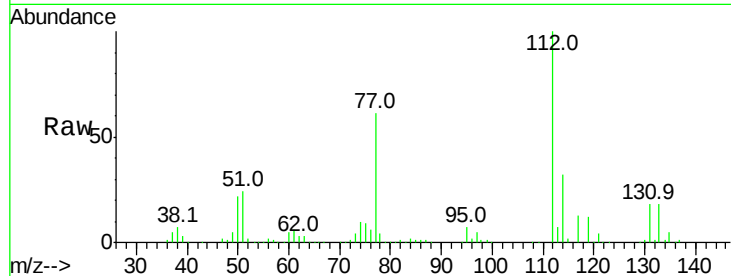




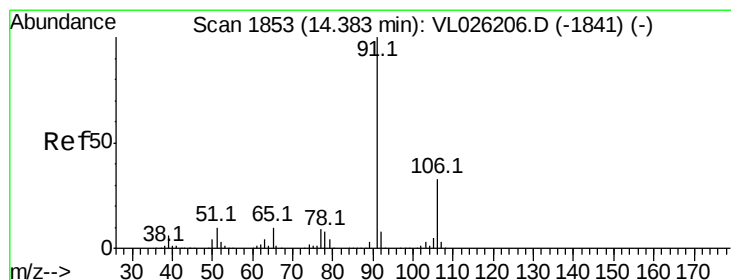
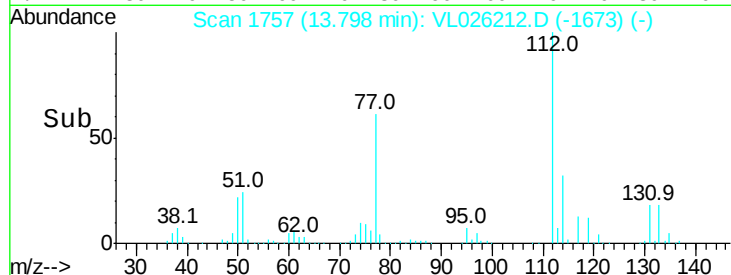
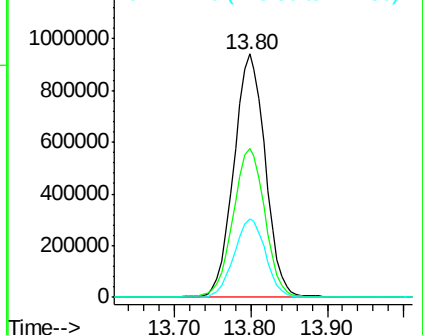
#57
Chlorobenzene
Concen: 9.82 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.01 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 112 Resp: 2681765
Ion Ratio Lower Upper
112 100
77 60.8 48.2 72.4
114 32.1 29.0 35.4

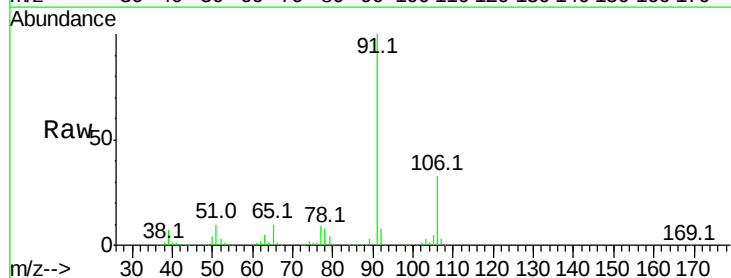


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

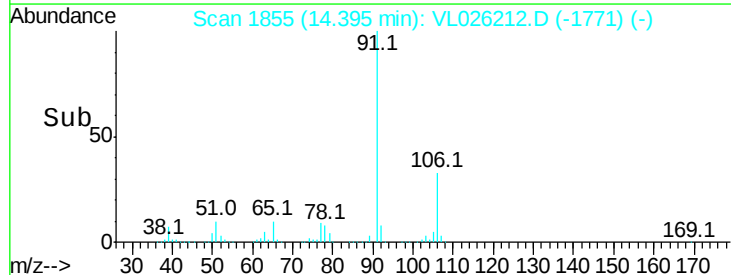
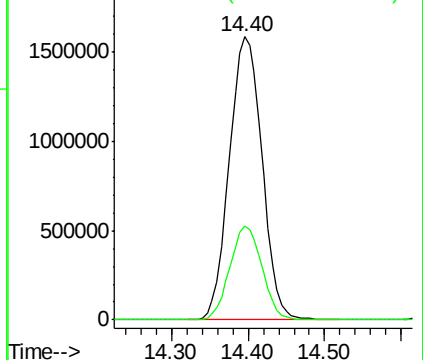


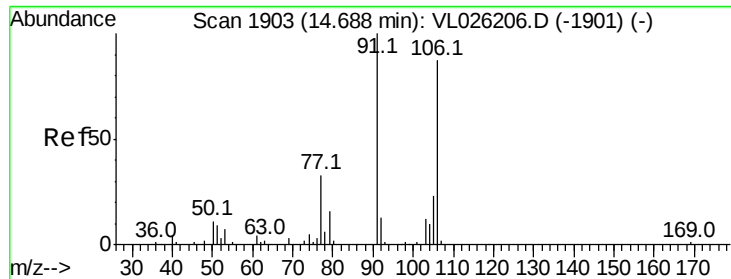
#58
Ethyl Benzene
Concen: 10.16 ppbv
RT: 14.40 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

Tgt Ion: 91 Resp: 4697757
Ion Ratio Lower Upper
91 100
106 33.0 26.2 39.2



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





#59

m/p-Xylene

Concen: 19.75 ppbv

RT: 14.70 min Scan# 1905

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

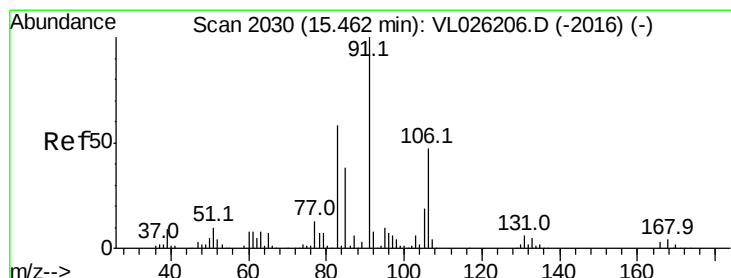
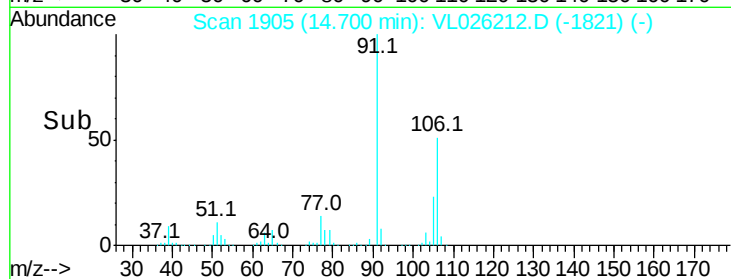
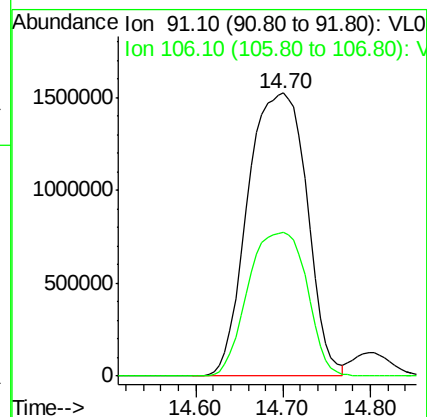
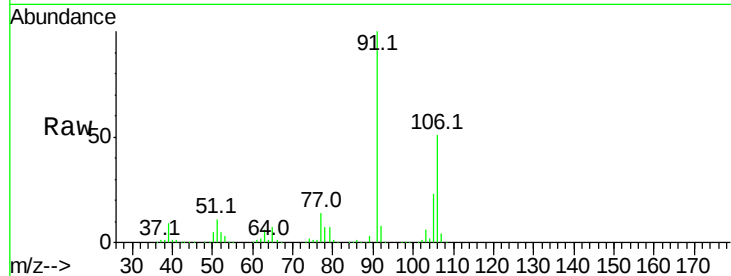
VSTDIC015

Tgt Ion: 91 Resp: 7160461

Ion Ratio Lower Upper

91 100

106 50.9 40.6 60.8



#60

o-Xylene

Concen: 9.63 ppbv

RT: 15.47 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VL026212.D

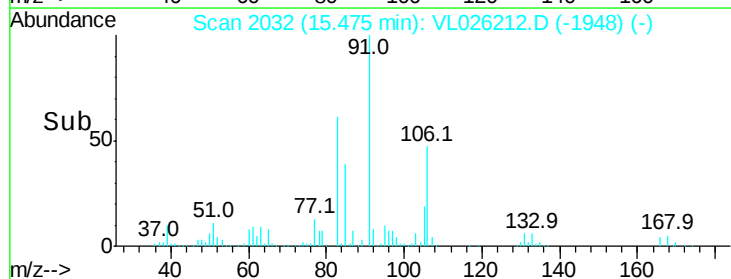
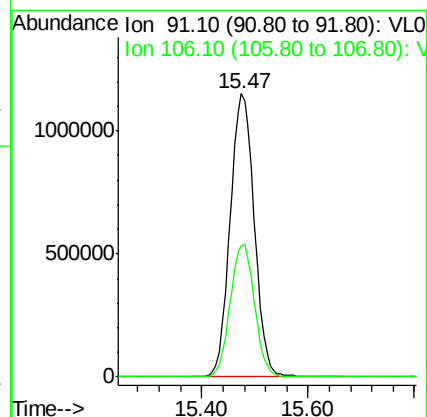
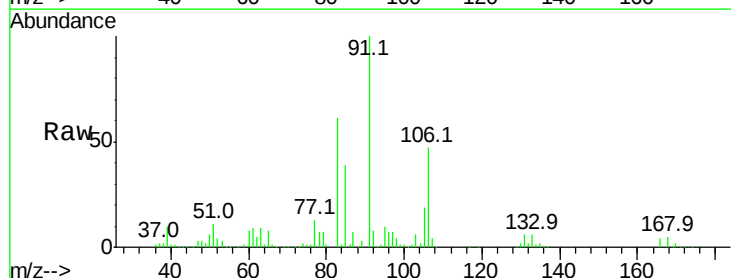
Acq: 20 Oct 2015 14:43

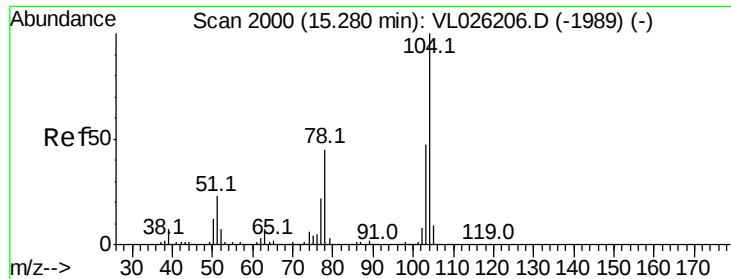
Tgt Ion: 91 Resp: 3649224

Ion Ratio Lower Upper

91 100

106 47.2 23.6 71.0





#61

Styrene

Concen: 11.35 ppbv

RT: 15.29 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

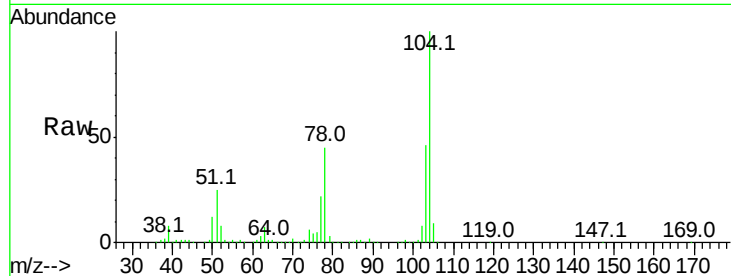
Tgt Ion:104 Resp: 1931379

Ion Ratio Lower Upper

104 100

78 44.5 35.6 53.4

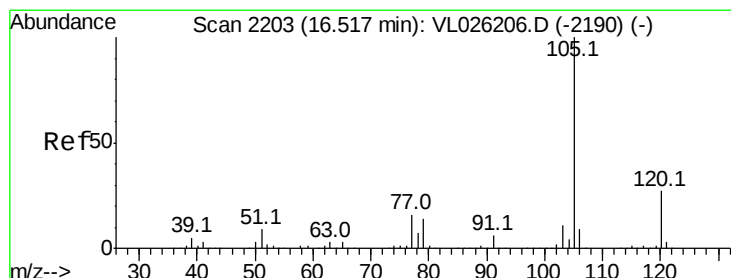
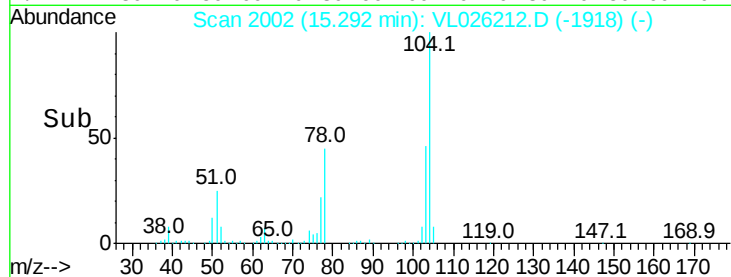
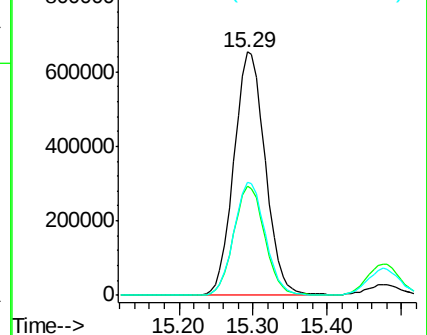
103 46.3 37.1 55.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.02 ppbv

RT: 16.53 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VL026212.D

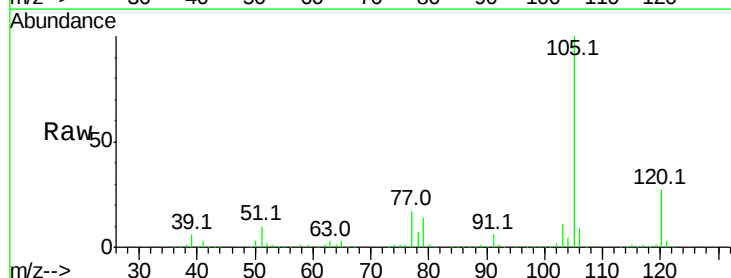
Acq: 20 Oct 2015 14:43

Tgt Ion:105 Resp: 5248429

Ion Ratio Lower Upper

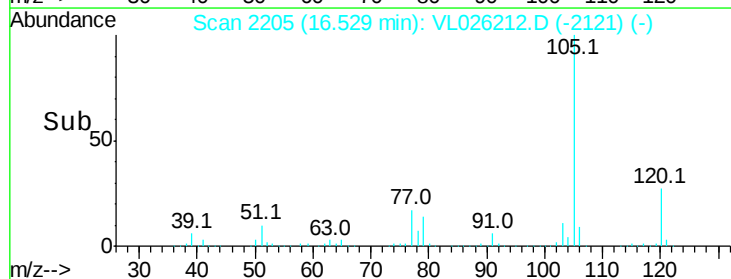
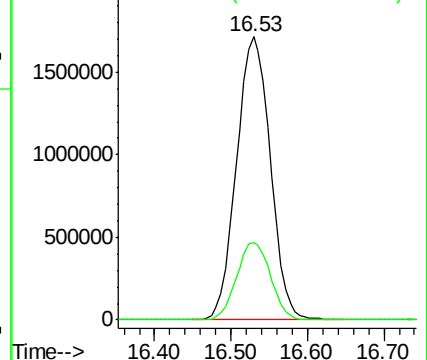
105 100

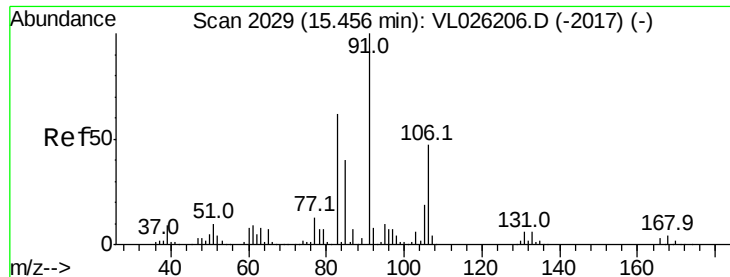
120 27.6 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



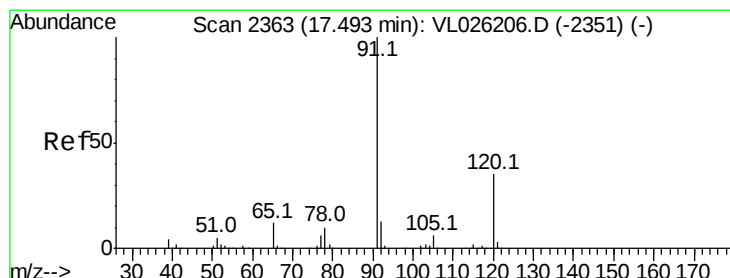
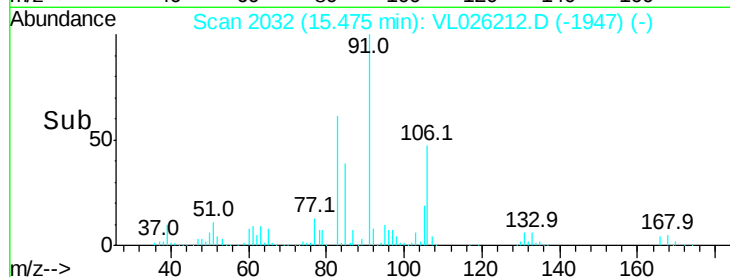
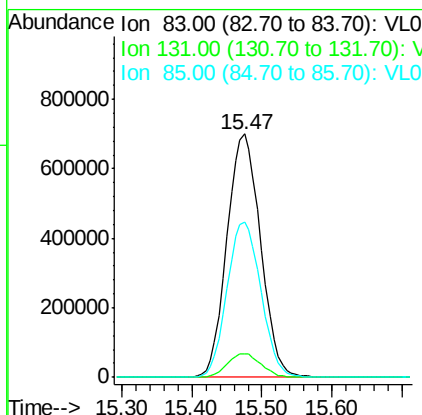
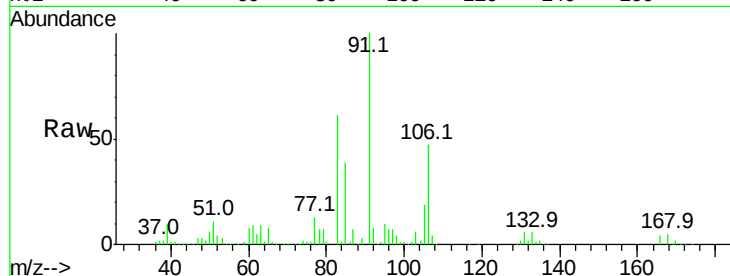


#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.28 ppbv
 RT: 15.47 min Scan# 2032
 Delta R.T. 0.02 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 83 Resp: 2337897

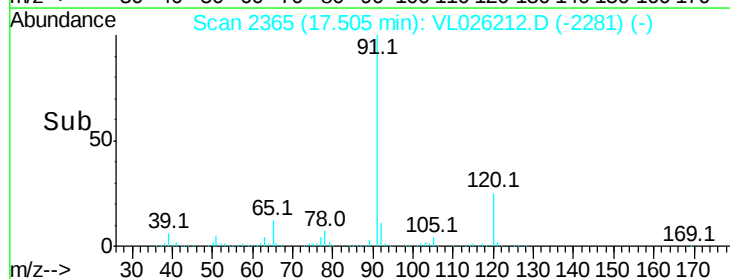
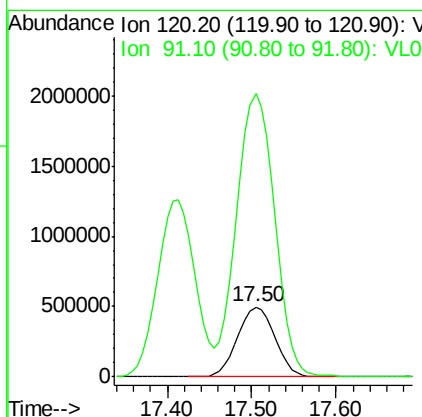
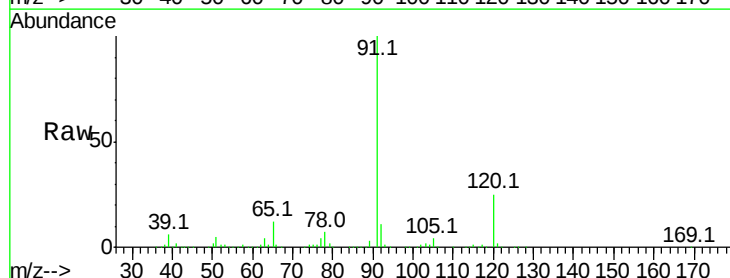
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.7	32.3	96.8

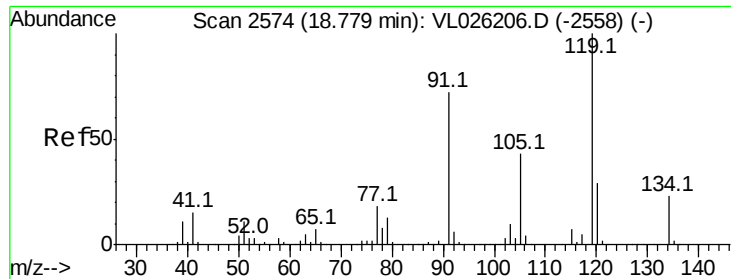


#64
 n-propylbenzene
 Concen: 10.40 ppbv
 RT: 17.50 min Scan# 2365
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion:120 Resp: 1492212

Ion	Ratio	Lower	Upper
120	100		
91	410.3	332.1	498.1

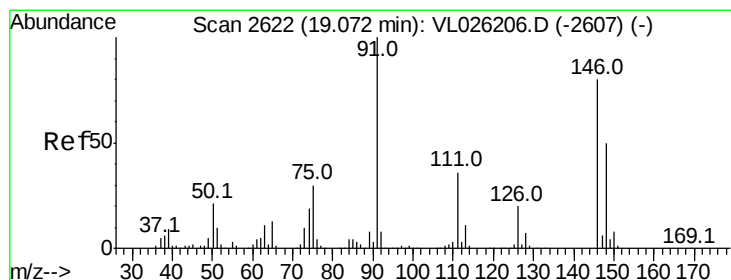
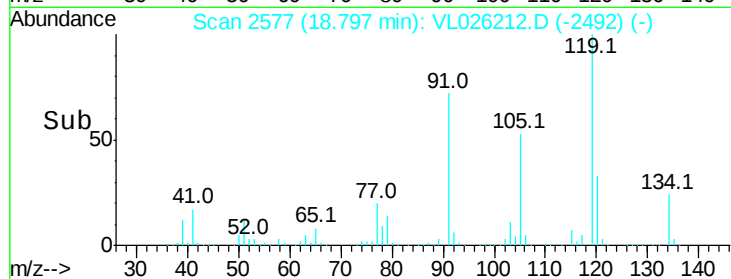
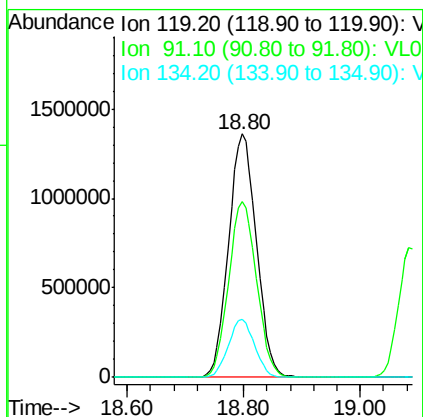
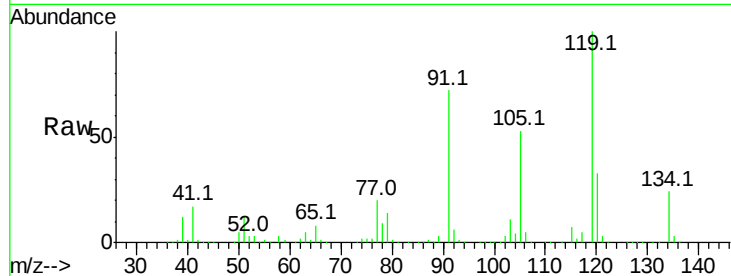




#65
 tert-Butylbenzene
 Concen: 9.42 ppbv
 RT: 18.80 min Scan# 2577
 Delta R.T. 0.02 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

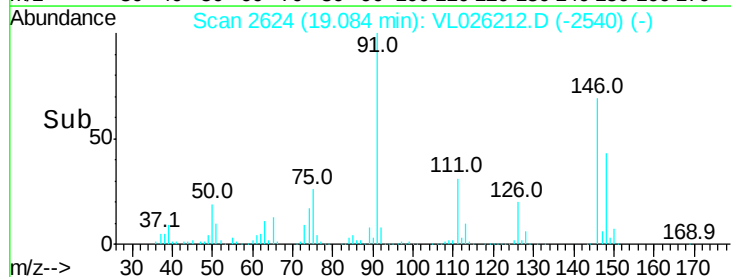
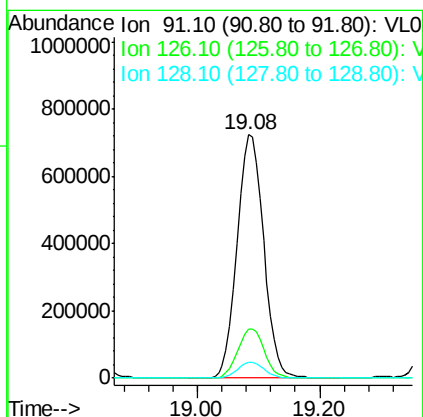
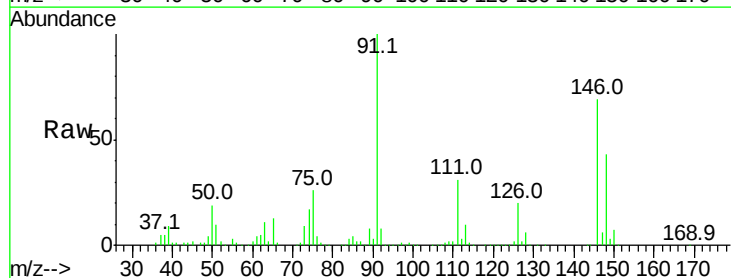
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

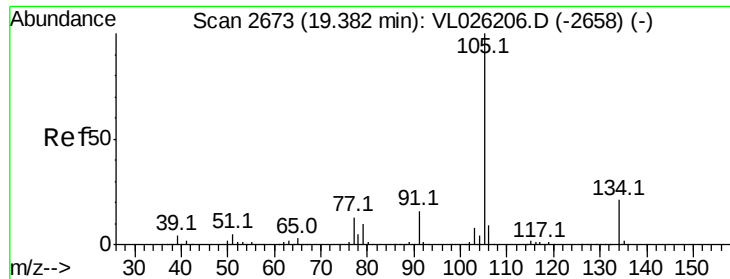
Tgt Ion: 119 Resp: 4509907
 Ion Ratio Lower Upper
 119 100
 91 72.6 57.6 86.4
 134 22.5 17.8 26.6



#66
 Benzyl Chloride
 Concen: 11.23 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion: 91 Resp: 2167915
 Ion Ratio Lower Upper
 91 100
 126 20.4 16.1 24.1
 128 6.5 5.1 7.7

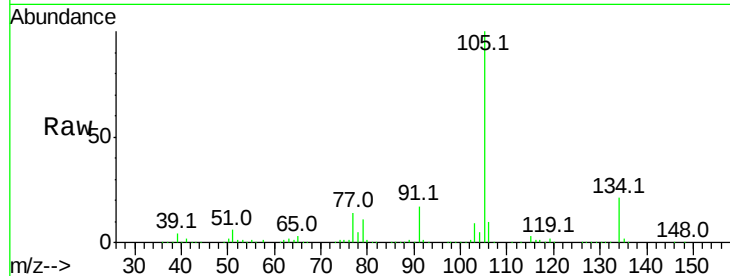




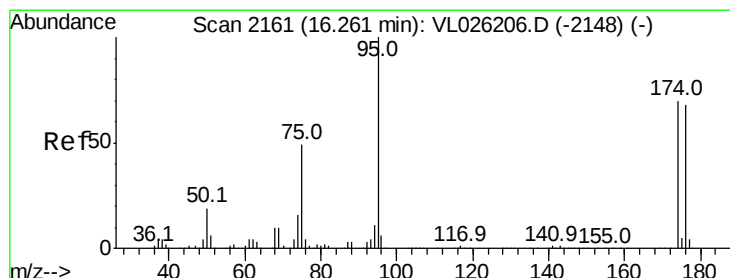
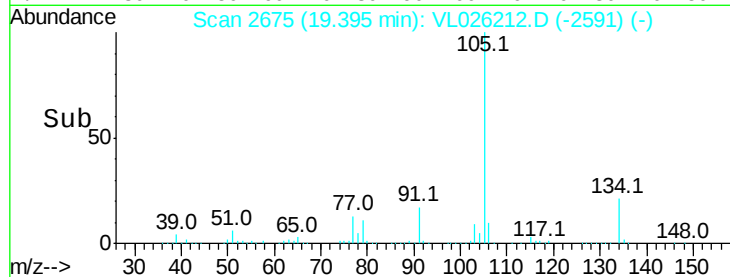
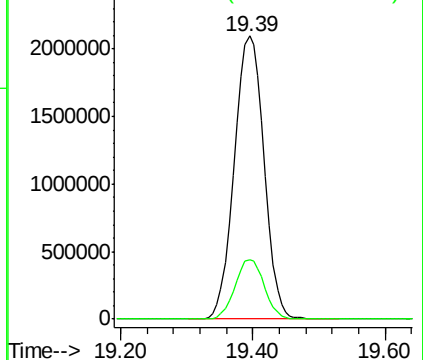
#67
 sec-Butylbenzene
 Concen: 9.84 ppbv
 RT: 19.39 min Scan# 2675
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:105 Resp: 6534442
 Ion Ratio Lower Upper
 105 100
 134 20.7 16.3 24.5

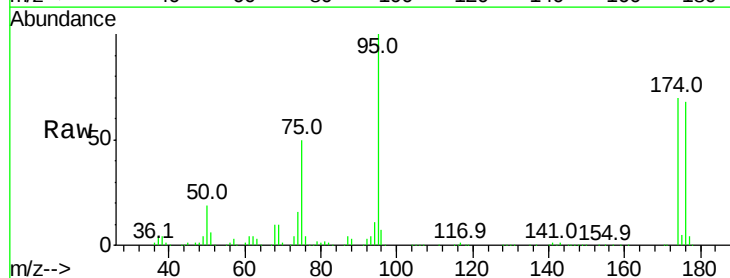


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 134.20 (133.90 to 134.90): V

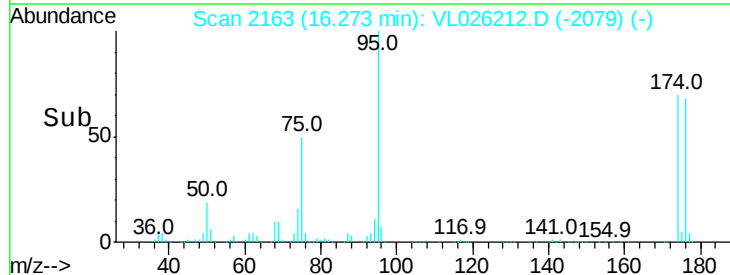
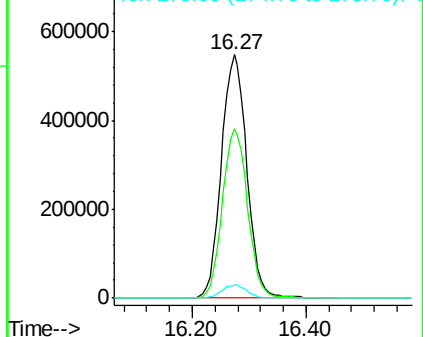


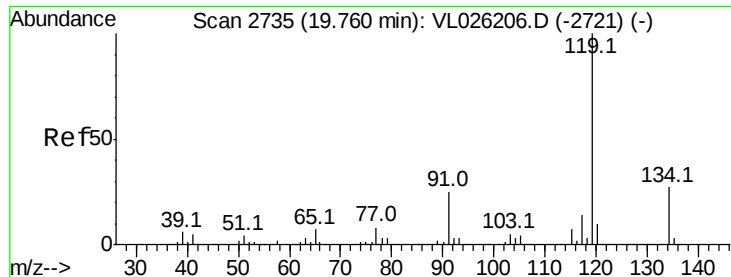
#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.67 ppbv
 RT: 16.27 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion: 95 Resp: 1701138
 Ion Ratio Lower Upper
 95 100
 174 69.3 56.2 84.2
 175 5.4 4.3 6.5



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

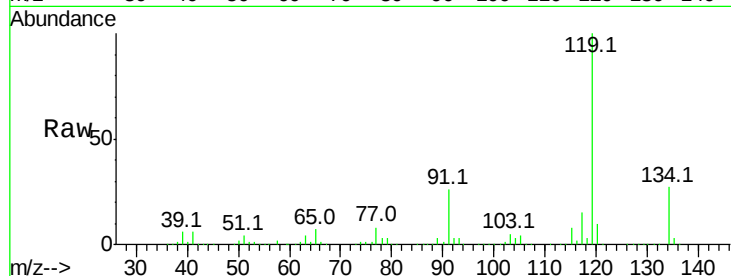




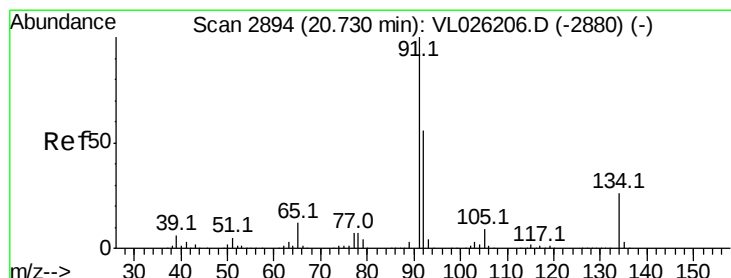
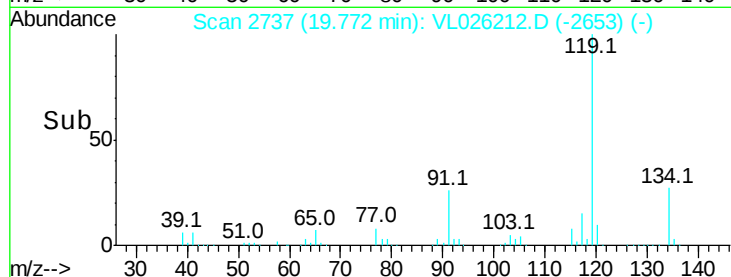
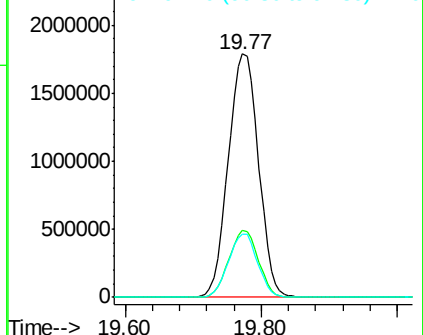
#69
p-Isopropyltoluene
Concen: 9.92 ppbv
RT: 19.77 min Scan# 2737
Delta R.T. 0.01 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 119 Resp: 5501801
Ion Ratio Lower Upper
119 100
134 26.9 21.4 32.0
91 25.2 19.8 29.8

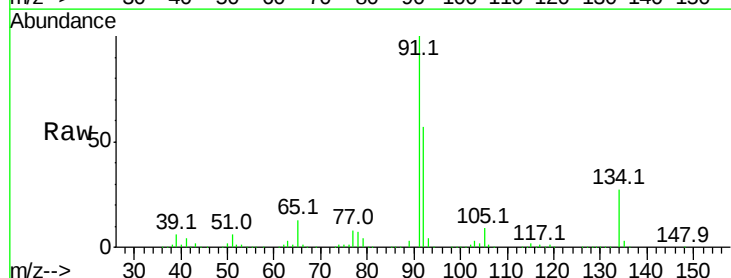


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

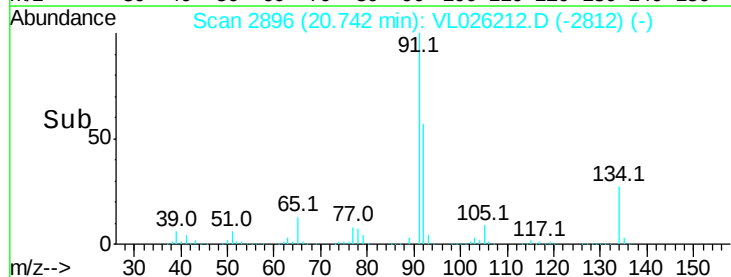
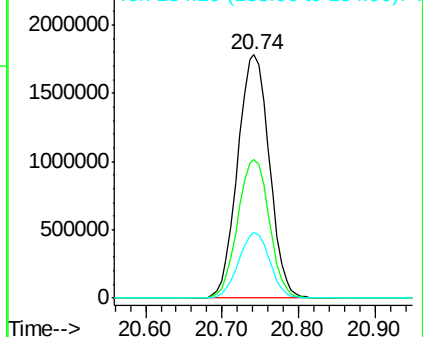


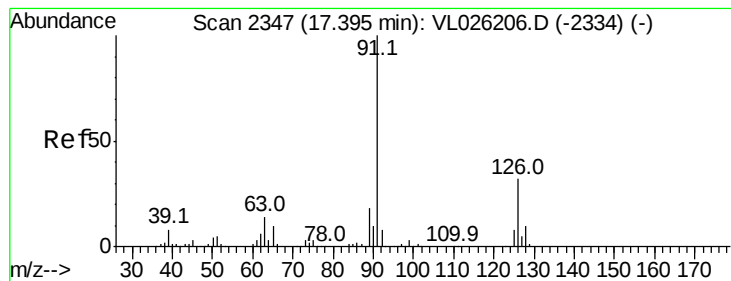
#70
n-Butylbenzene
Concen: 10.11 ppbv
RT: 20.74 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL026212.D
Acq: 20 Oct 2015 14:43

Tgt Ion: 91 Resp: 5134623
Ion Ratio Lower Upper
91 100
92 56.8 44.7 67.1
134 26.6 21.1 31.7



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

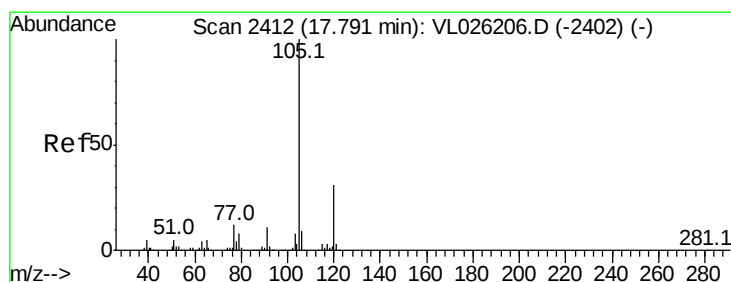
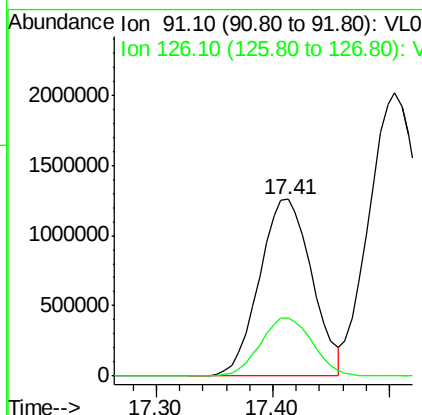
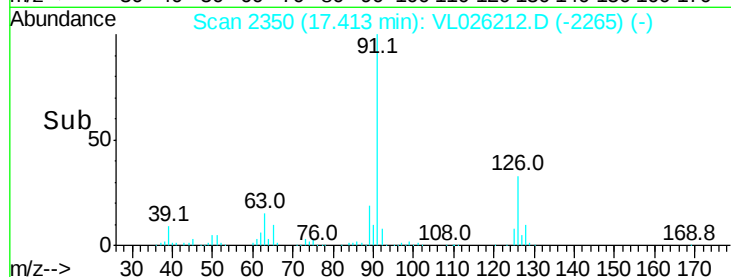
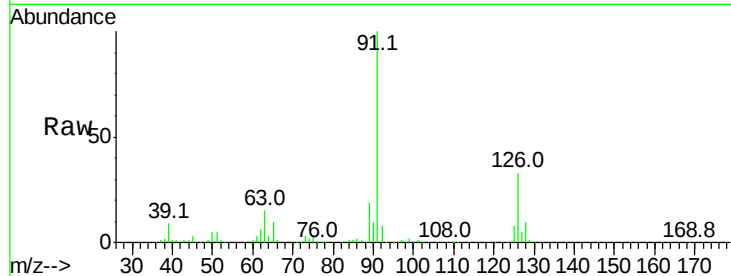




#71
 2-Chlorotoluene
 Concen: 10.17 ppbv
 RT: 17.41 min Scan# 2350
 Delta R.T. 0.02 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

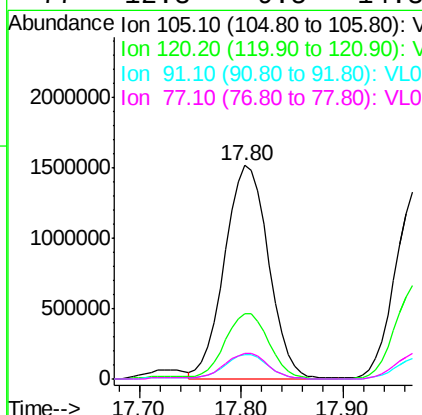
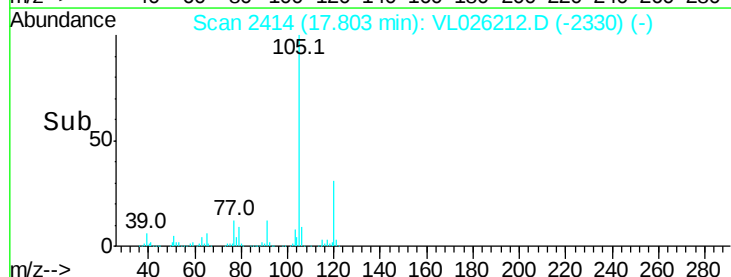
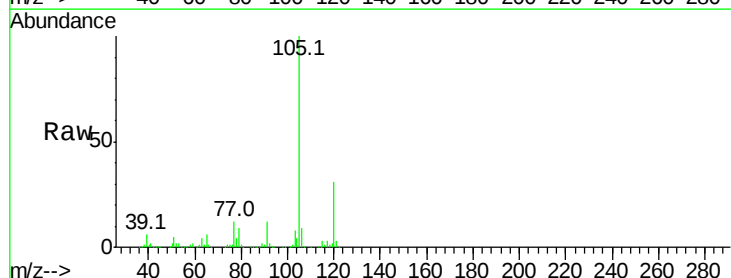
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

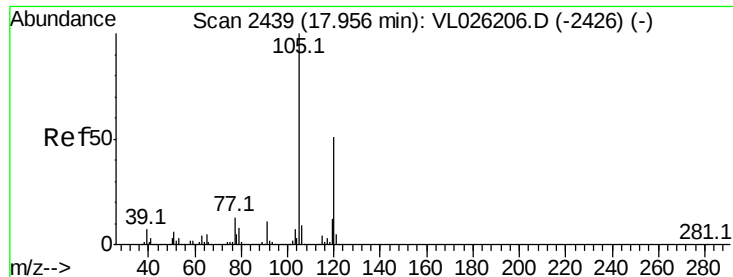
Tgt Ion: 91 Resp: 3932885
 Ion Ratio Lower Upper
 91 100
 126 33.1 12.9 51.7



#72
 4-Ethyltoluene
 Concen: 10.39 ppbv
 RT: 17.80 min Scan# 2414
 Delta R.T. 0.01 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Tgt Ion: 105 Resp: 4548460
 Ion Ratio Lower Upper
 105 100
 120 32.0 25.2 37.8
 91 11.5 9.2 13.8
 77 12.3 9.5 14.3





#73

1,3,5-Trimethylbenzene

Concen: 10.32 ppbv

RT: 17.97 min Scan# 2442

Delta R.T. 0.02 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

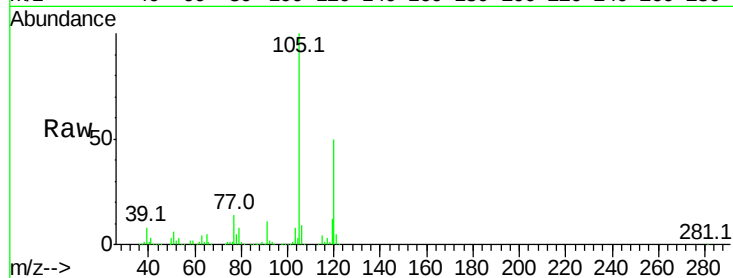
VSTDIC015

Tgt Ion:105 Resp: 4216459

Ion Ratio Lower Upper

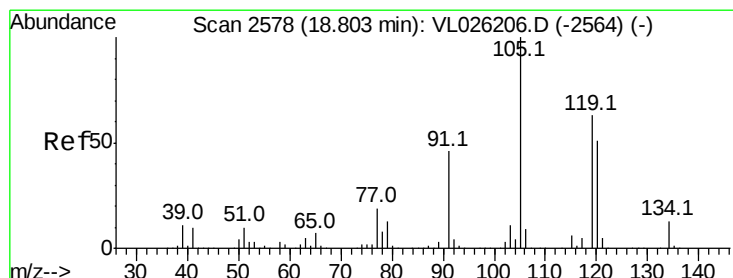
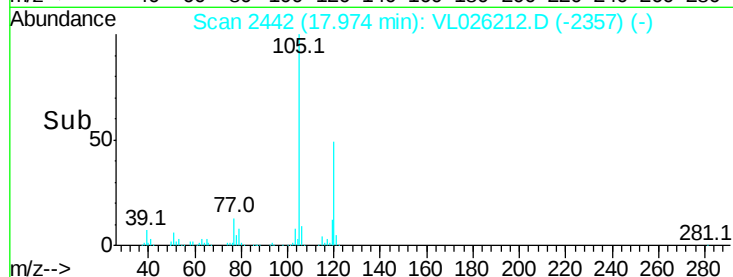
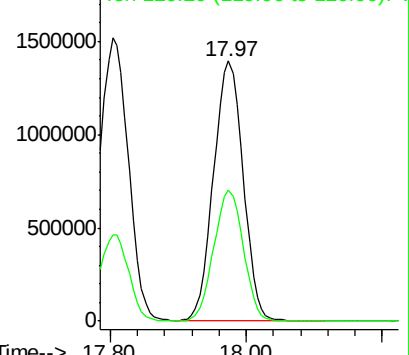
105 100

120 50.2 40.3 60.5



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: 9.40 ppbv

RT: 18.82 min Scan# 2581

Delta R.T. 0.02 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Tgt Ion:105 Resp: 3998271

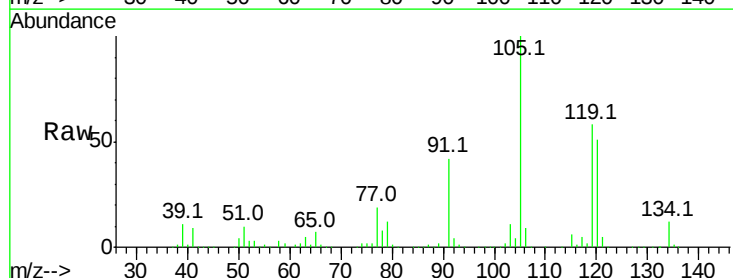
Ion Ratio Lower Upper

105 100

120 50.8 40.5 60.7

91 41.6 37.4 56.0

77 18.8 15.3 22.9

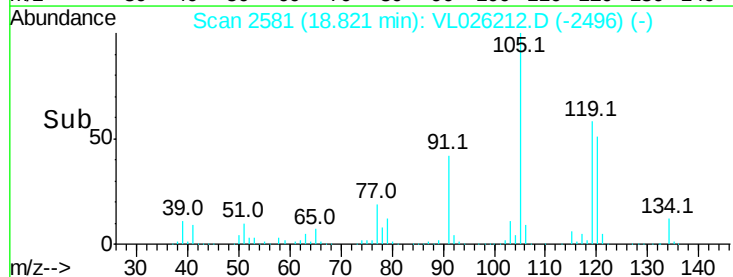
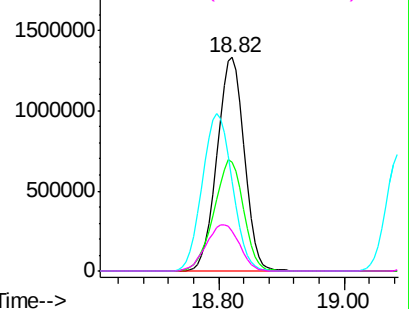


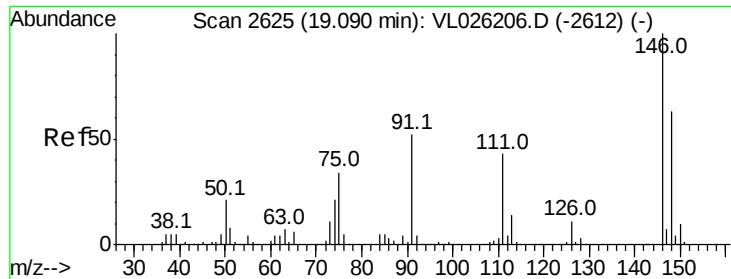
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.99 ppbv

RT: 19.11 min Scan# 2628

Delta R.T. 0.02 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

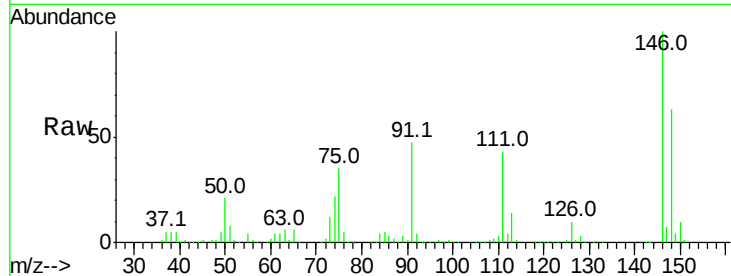
Tgt Ion:146 Resp: 2756508

Ion Ratio Lower Upper

146 100

111 43.1 21.6 65.0

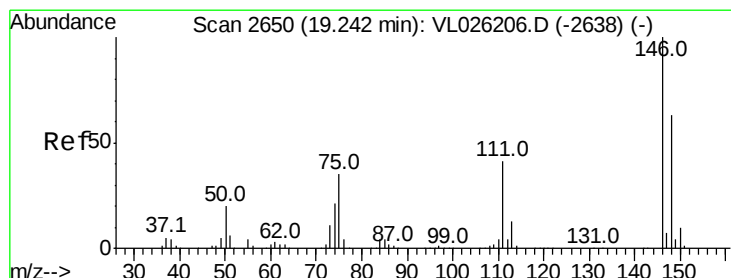
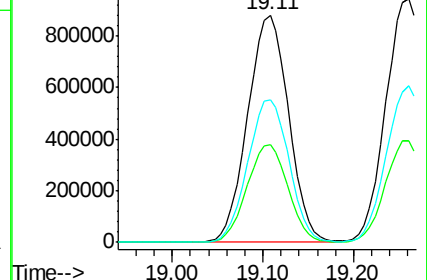
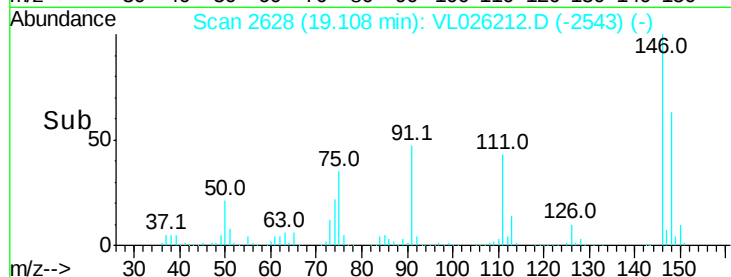
148 63.4 31.7 95.1



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: 10.19 ppbv

RT: 19.26 min Scan# 2653

Delta R.T. 0.02 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

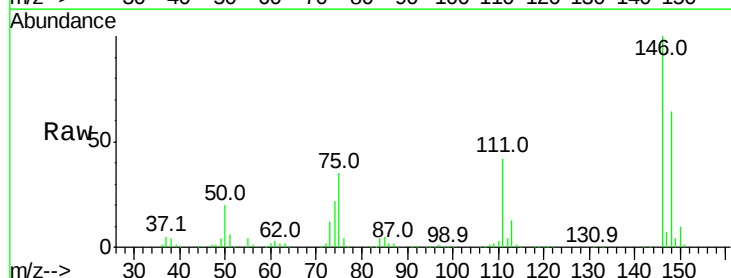
Tgt Ion:146 Resp: 2928184

Ion Ratio Lower Upper

146 100

111 41.6 20.9 62.8

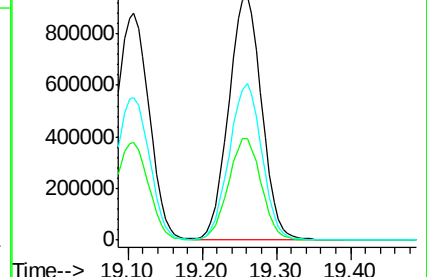
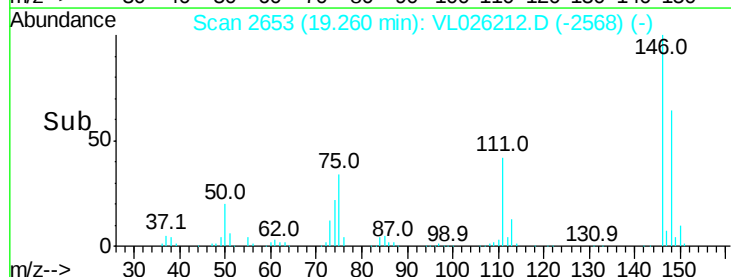
148 63.8 32.0 96.2

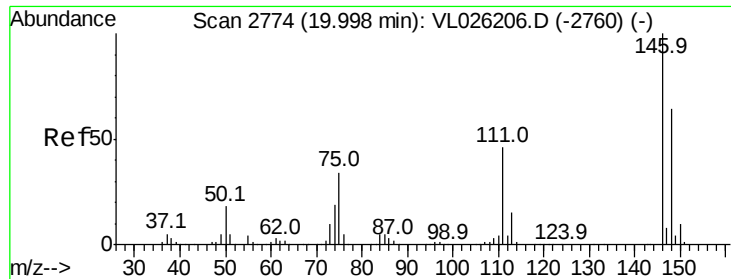


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.24 ppbv

RT: 20.01 min Scan# 2776

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

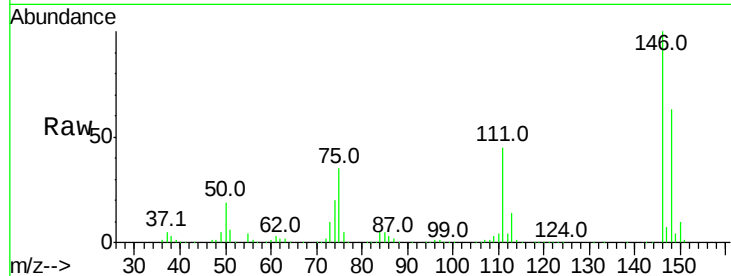
Tgt Ion:146 Resp: 2833231

Ion Ratio Lower Upper

146 100

111 44.9 22.6 67.8

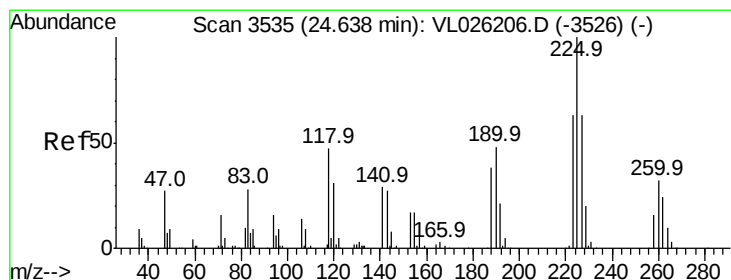
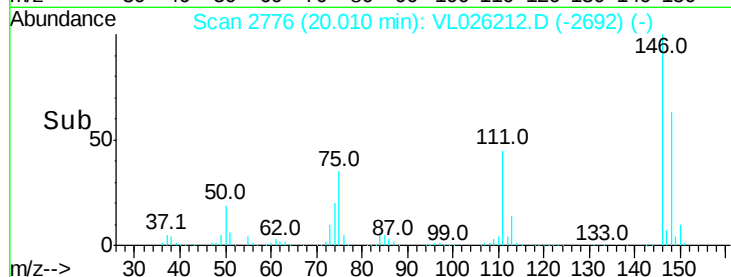
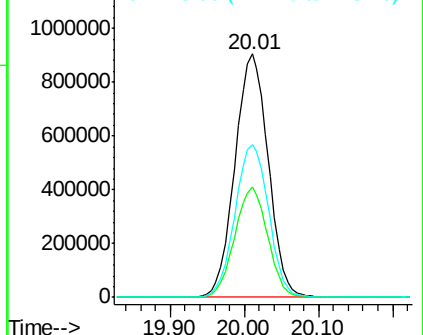
148 63.7 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.97 ppbv

RT: 24.66 min Scan# 3538

Delta R.T. 0.02 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

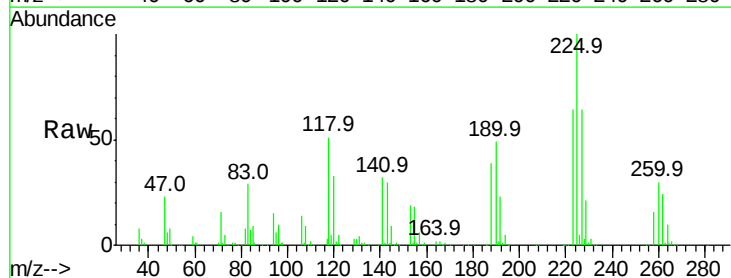
Tgt Ion:225 Resp: 1246118

Ion Ratio Lower Upper

225 100

223 63.6 50.7 76.1

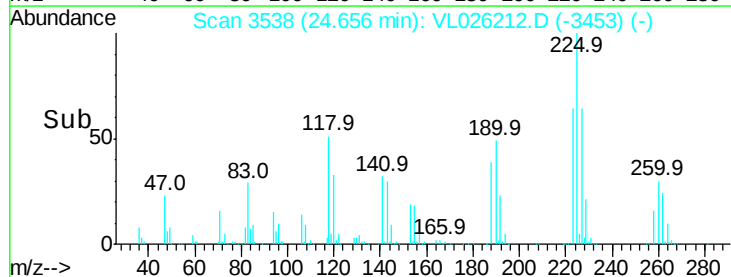
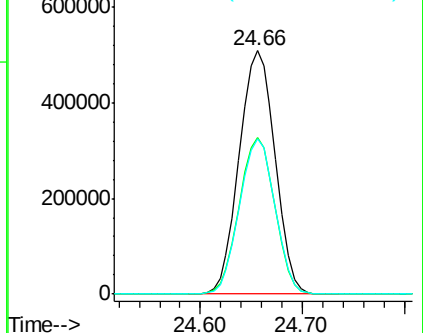
227 63.2 50.2 75.2

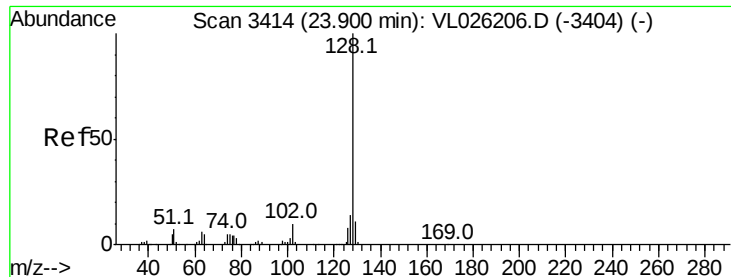


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.01 ppbv

RT: 23.91 min Scan# 3416

Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Instrument :

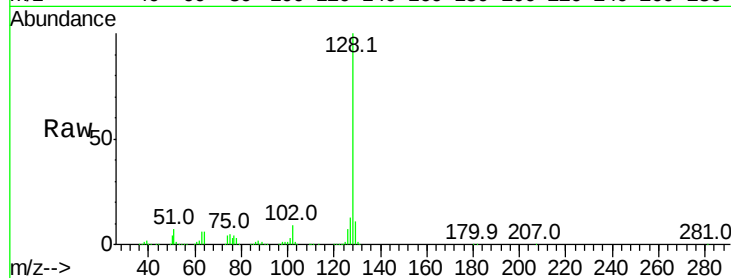
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:128 Resp: 4084577

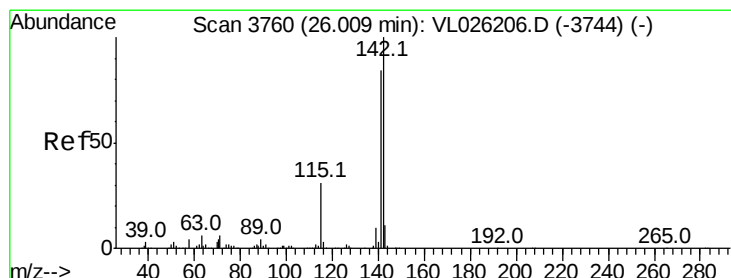
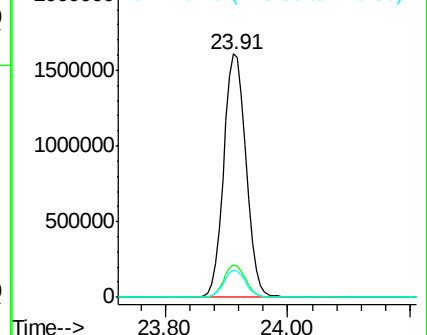
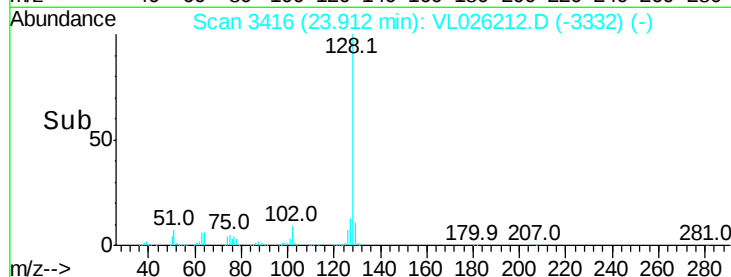
Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	11.4	8.7	13.1



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: 9.55 ppbv

RT: 26.02 min Scan# 3762

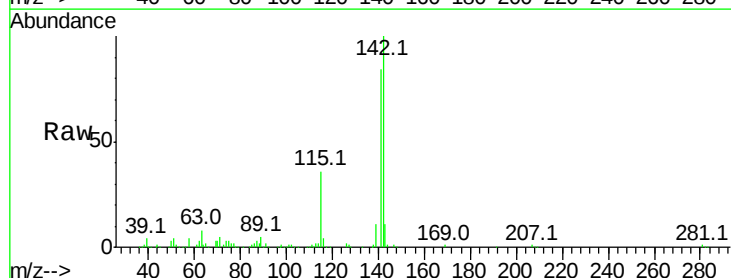
Delta R.T. 0.01 min

Lab File: VL026212.D

Acq: 20 Oct 2015 14:43

Tgt Ion:142 Resp: 642123

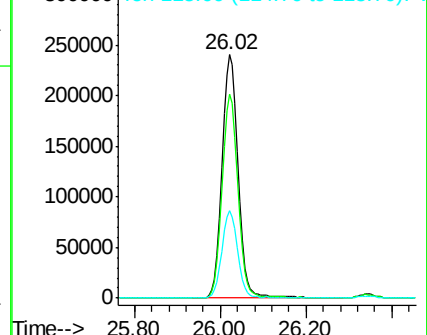
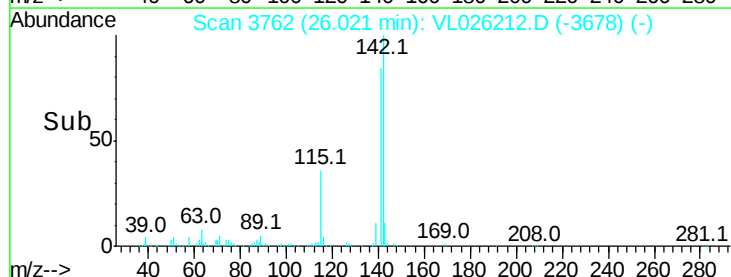
Ion	Ratio	Lower	Upper
142	100		
141	83.1	66.7	100.1
115	35.7	25.0	37.4

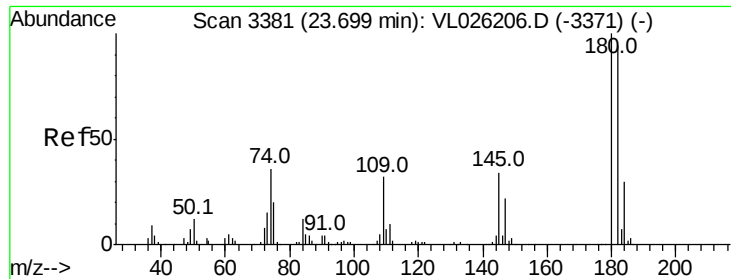


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

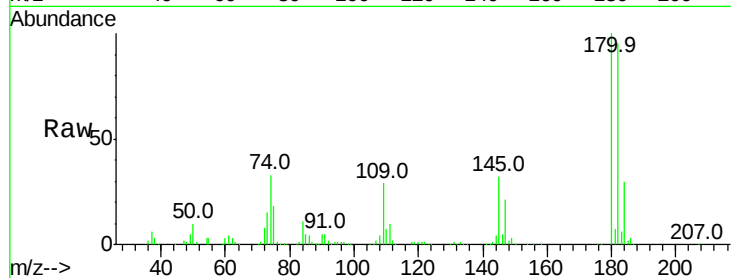




#81
 1,2,4-Trichlorobenzene
 Concen: 11.40 ppbv
 RT: 23.72 min Scan# 3384
 Delta R.T. 0.02 min
 Lab File: VL026212.D
 Acq: 20 Oct 2015 14:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 1775387
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.4 114.6
 184 30.6 24.4 36.6



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

