

Data File : VL032710.D
Acq On : 31 Oct 2018 9:50
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Oct 31 10:17:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1406629	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3625636	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4582078	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2772528	8.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	994632	6.940	ppbv	99
3) Chlorodifluoromethane	3.02	51	1158414	10.531	ppbv	98
4) Chloromethane	3.18	50	673863	10.962	ppbv	98
5) Vinyl Chloride	3.30	62	675765	10.149	ppbv	98
6) Bromomethane	3.52	94	406196	9.784	ppbv	95
7) Chloroethane	3.61	64	242745	9.900	ppbv	98
8) Dichlorotetrafluoroethane	3.23	85	1515043	10.030	ppbv	90
9) Propene	3.04	41	548526	12.117	ppbv	99
10) Heptane	8.25	43	1999254	11.460	ppbv	98
11) Trichlorofluoromethane	4.01	101	1562841	8.349	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1118786	7.187	ppbv	89
13) Ethanol	3.65	45	138234	10.684	ppbv	95
14) Bromoethene	3.80	108	516126	9.810	ppbv	99
15) Acetone	3.91	43	1112291	8.563	ppbv	99
16) 1,3-Butadiene	3.37	39	552193	11.556	ppbv	82
17) tert-Butyl alcohol	4.36	59	388245	10.163	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	541973	7.925	ppbv	99
19) Isopropyl Alcohol	4.03	45	926873	10.020	ppbv #	96
20) Methylene Chloride	4.42	84	460281	6.981	ppbv	92
21) Allyl Chloride	4.49	41	898583	8.426	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	634817	9.049	ppbv	89
23) Vinyl Acetate	5.17	43	2716973	11.804	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1884019	10.427	ppbv	98
25) Ethyl Acetate	5.78	43	3153824	10.549	ppbv	99
26) Hexane	5.79	57	1452537	10.268	ppbv	98
27) Carbon Disulfide	4.63	76	1479040	8.619	ppbv	98
28) Methyl tert-Butyl Ether	5.12	73	2435804	11.981	ppbv	99
29) Chloroform	5.86	83	2279161	10.086	ppbv	98
30) Cyclohexane	7.26	84	1321138	11.799	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1514137	11.543	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	2440023	10.626	ppbv	98
34) 2-Butanone	5.34	43	2158203	11.104	ppbv	100
35) Carbon Tetrachloride	7.15	117	2533794	9.847	ppbv	98
36) Benzene	7.02	78	3130229	10.632	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1822311	10.091	ppbv	98
38) Trichloroethene	7.97	130	1239715	11.375	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1225881	10.782	ppbv	98
40) 1,4-Dioxane	7.97	88	405991	10.456	ppbv #	98
41) Tetrahydrofuran	6.16	42	1207051	11.145	ppbv	99
42) Bromodichloromethane	7.93	83	2600644	10.279	ppbv	99
43) Methyl Methacrylate	8.15	69	1282207	11.883	ppbv	96

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Quant Time: Oct 31 10:17:29 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018

QLast Update : Thu Oct 25 05:15:43 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5274796	10.495	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1876568	12.992	ppbv	97
46) cis-1,3-Dichloropropene	8.85	75	1954441	11.843	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1414455	10.529	ppbv	97
48) Dibromochloromethane	10.47	129	2490432	11.122	ppbv	100
49) Bromoform	13.22	173	1894874	10.769	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3009030	10.450	ppbv	99
51) 2-Hexanone	10.28	43	2582867	12.067	ppbv #	99
52) Tetrachloroethene	11.39	164	1133868	11.046	ppbv	97
53) Toluene	9.96	91	3967891	11.757	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1981627	10.853	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1610013	8.035	ppbv	99
57) Chlorobenzene	12.32	112	2768982	8.217	ppbv	94
58) Ethyl Benzene	12.88	91	4897239	9.200	ppbv	98
59) m/p-Xylene	13.16	91	3879699	8.185	ppbv #	20
60) o-Xylene	13.87	91	3866307	8.455	ppbv	99
61) Styrene	13.70	104	3023084	9.860	ppbv	97
62) Isopropylbenzene	14.84	105	5529727	8.545	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2592498	7.236	ppbv	100
64) n-propylbenzene	15.74	120	1416757	8.809	ppbv	91
65) tert-Butylbenzene	16.93	119	4650431	8.438	ppbv	95
66) Benzyl Chloride	17.17	91	2714209	9.538	ppbv	98
67) sec-Butylbenzene	17.47	105	6525017	8.324	ppbv	99
69) p-Isopropyltoluene	17.83	119	5308566	8.546	ppbv	98
70) n-Butylbenzene	18.73	91	5681112	8.884	ppbv	99
71) 2-Chlorotoluene	15.63	91	4054484	8.816	ppbv	97
72) 4-Ethyltoluene	16.02	105	4460404	9.159	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4154263	8.758	ppbv	98
74) 1,2,4-Trimethylbenzene	16.94	105	4189985	8.271	ppbv	96
75) 1,3-Dichlorobenzene	17.18	146	2337532	8.025	ppbv	98
76) 1,4-Dichlorobenzene	17.32	146	2328478	8.662	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2209525	8.006	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	1382785	10.604	ppbv	98
79) Naphthalene	22.43	128	3526251	11.199	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1466299	19.151	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1712864	10.504	ppbv	99

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

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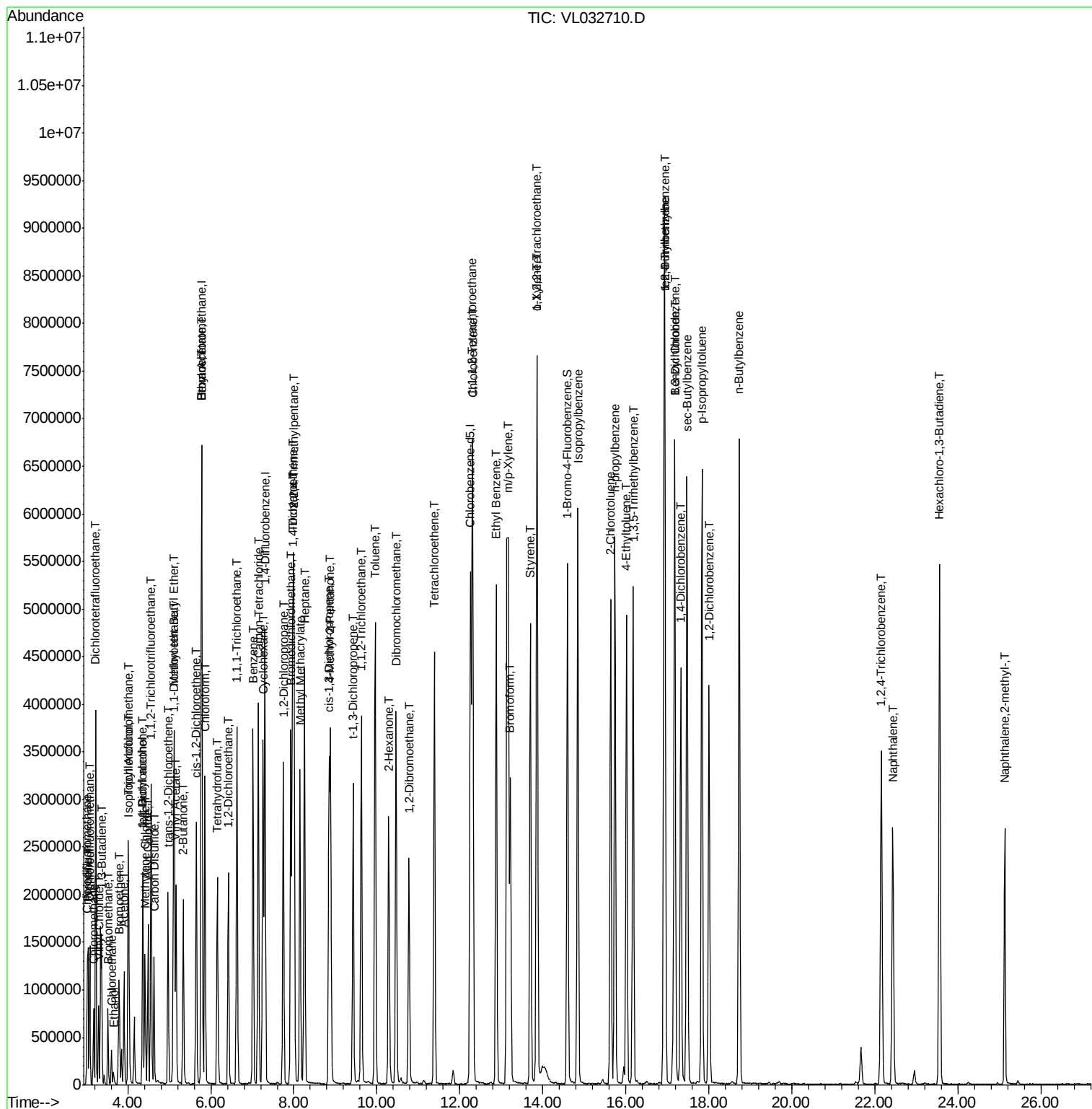
Quant Time: Oct 31 10:17:29 2018

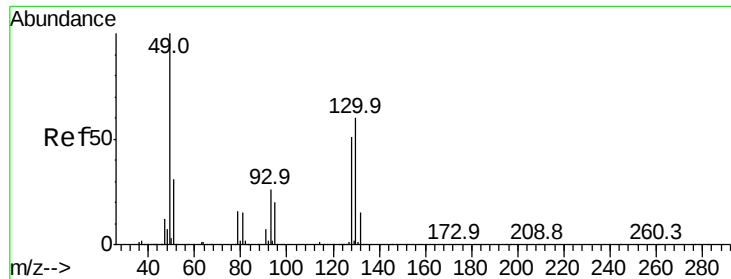
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL101818AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

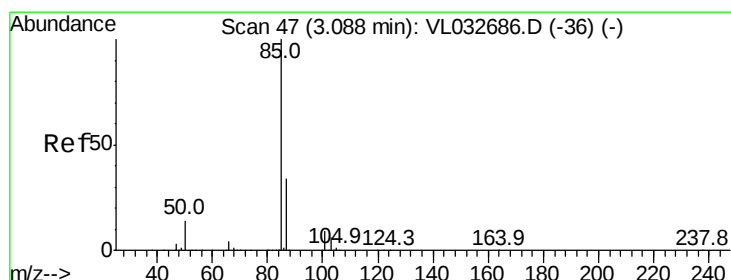
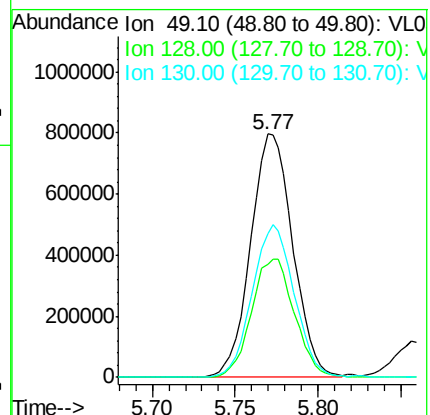
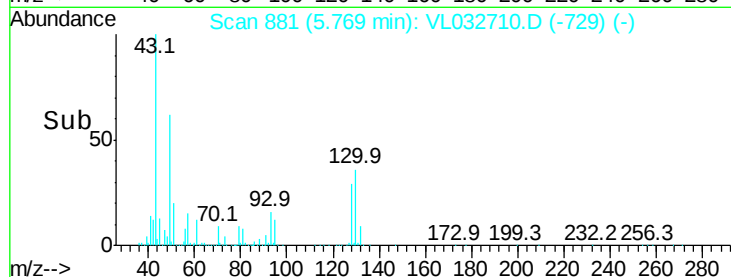
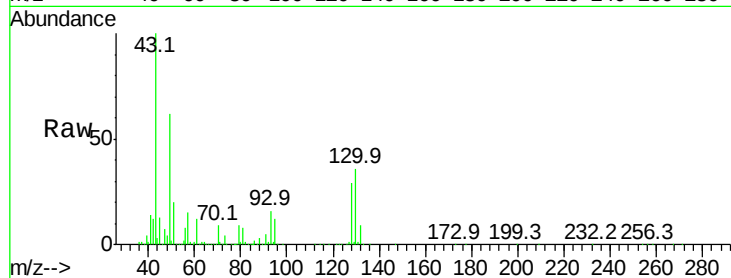
Tgt Ion: 49 Resp: 1406629

Ion Ratio Lower Upper

49 100

128 49.8 22.3 66.8

130 63.0 28.4 85.3



#2

Dichlorodifluoromethane

Concen: 6.940 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032710.D

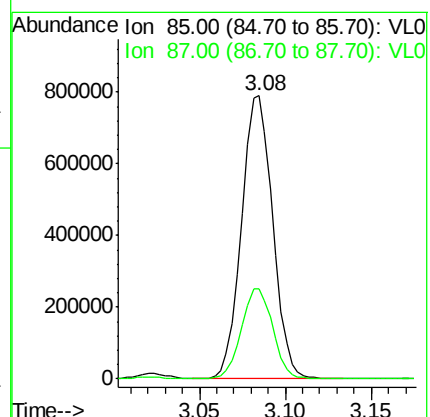
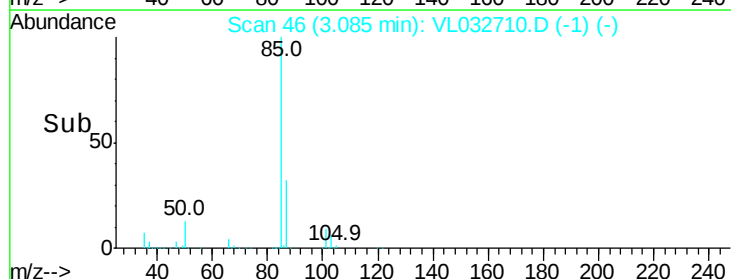
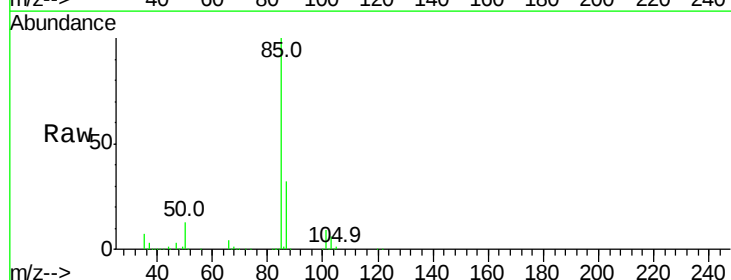
Acq: 31 Oct 2018 9:50

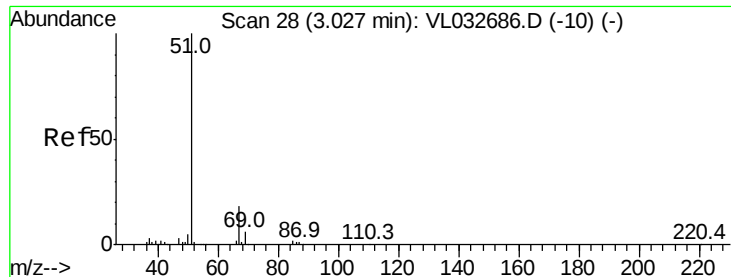
Tgt Ion: 85 Resp: 994632

Ion Ratio Lower Upper

85 100

87 31.9 26.2 39.2





#3

Chlorodifluoromethane

Concen: 10.531 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

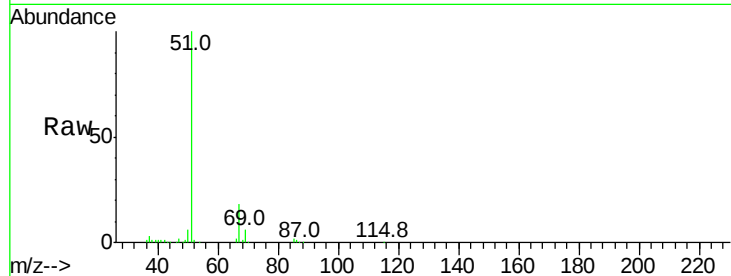
VSTDCCC010EC

Tgt Ion: 51 Resp: 1158414

Ion Ratio Lower Upper

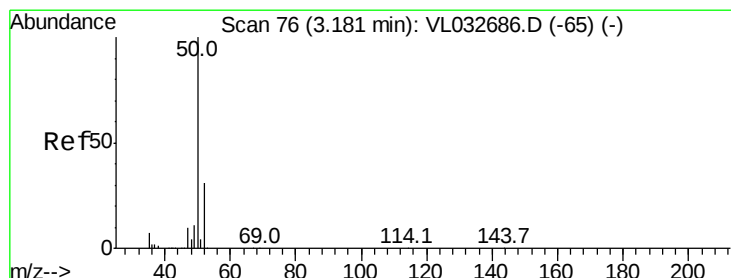
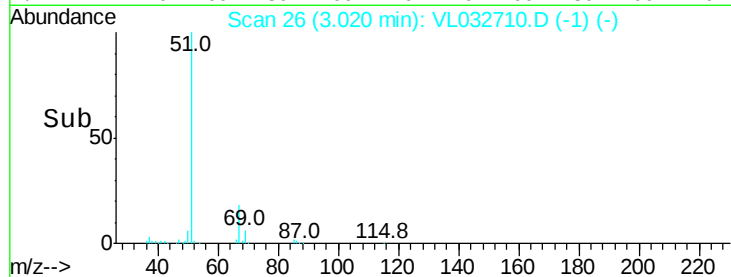
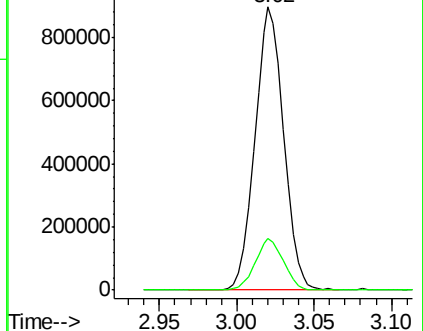
51 100

67 18.2 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.962 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032710.D

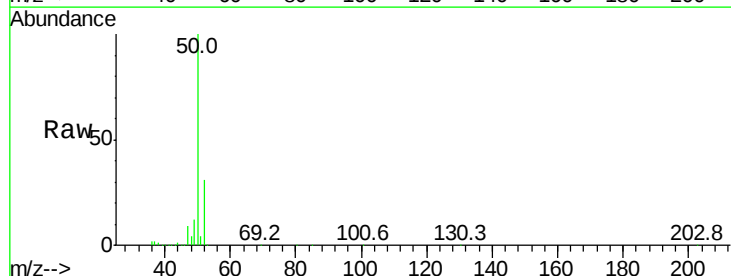
Acq: 31 Oct 2018 9:50

Tgt Ion: 50 Resp: 673863

Ion Ratio Lower Upper

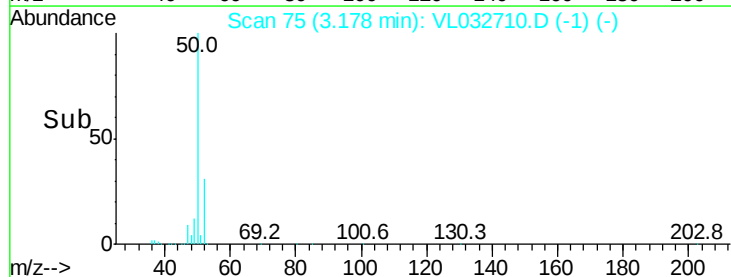
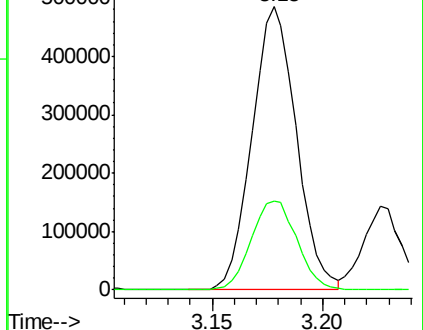
50 100

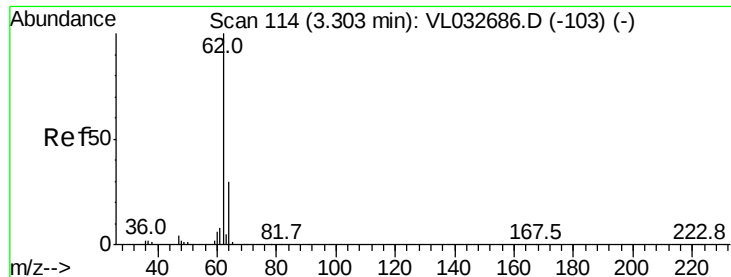
52 31.2 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.149 ppbv

RT: 3.30 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

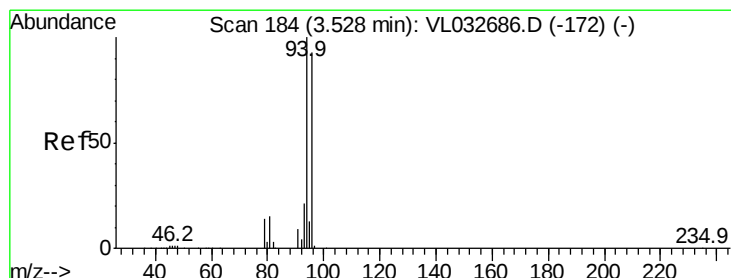
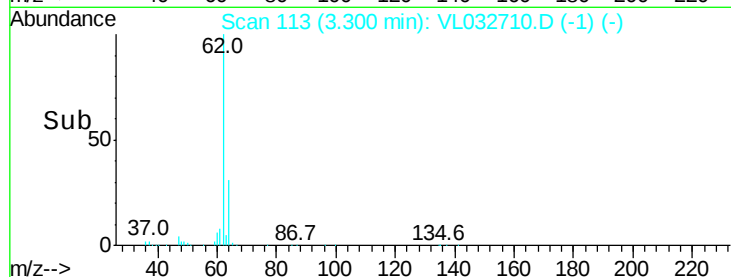
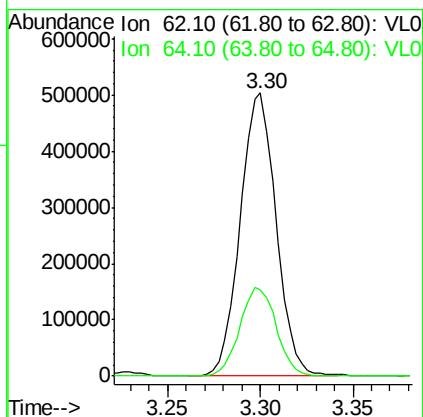
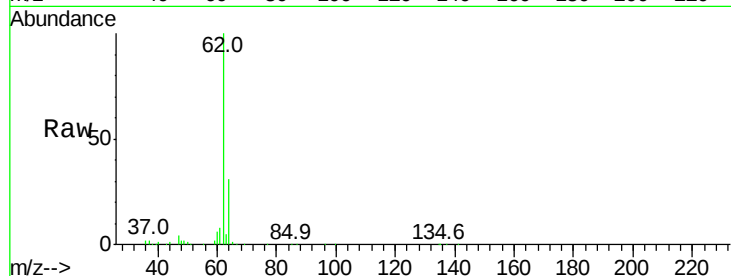
VSTDCCC010EC

Tgt Ion: 62 Resp: 675765

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3



#6

Bromomethane

Concen: 9.784 ppbv

RT: 3.52 min Scan# 182

Delta R.T. -0.00 min

Lab File: VL032710.D

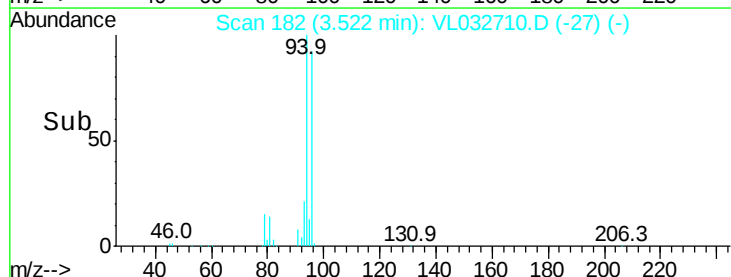
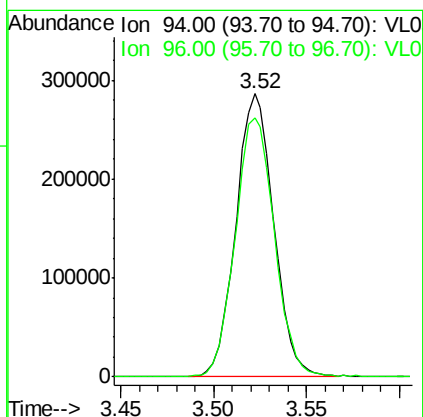
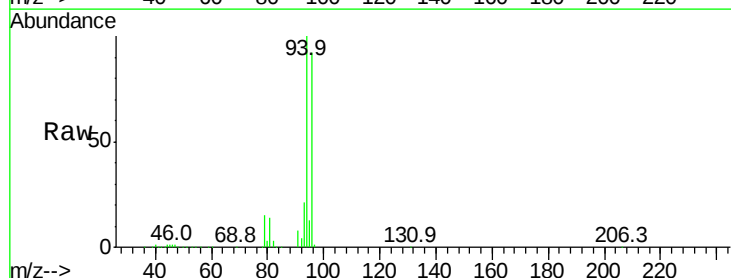
Acq: 31 Oct 2018 9:50

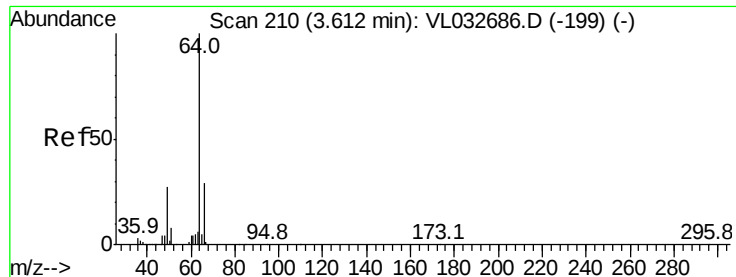
Tgt Ion: 94 Resp: 406196

Ion Ratio Lower Upper

94 100

96 91.5 69.8 104.8





#7

Chloroethane

Concen: 9.900 ppbv

RT: 3.61 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

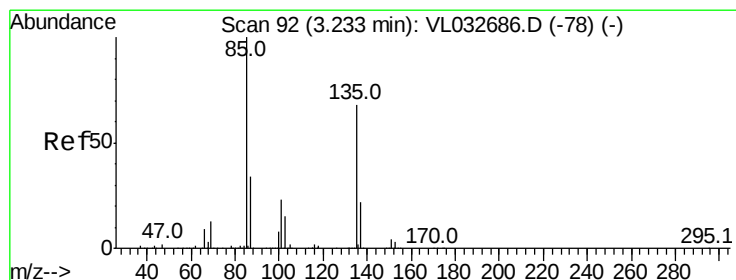
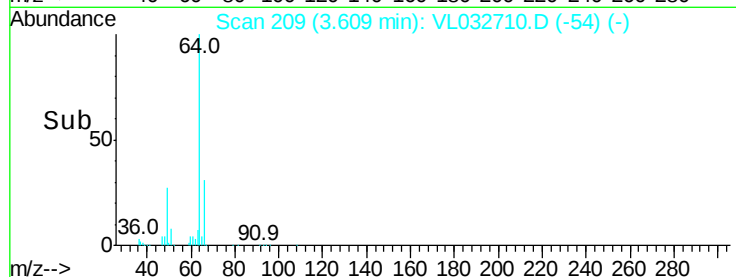
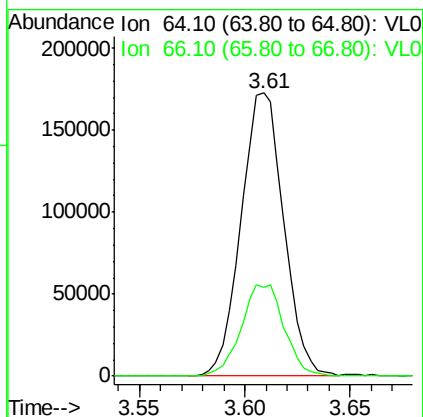
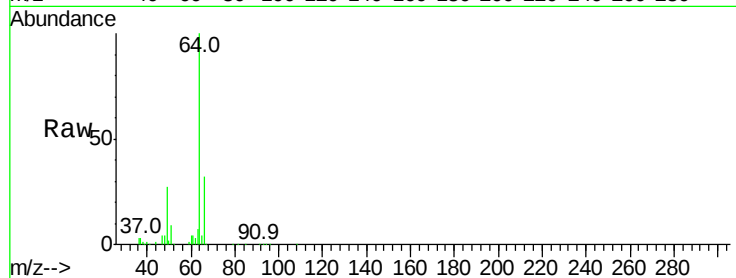
VSTDCCC010EC

Tgt Ion: 64 Resp: 242745

Ion Ratio Lower Upper

64 100

66 31.5 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 10.030 ppbv

RT: 3.23 min Scan# 90

Delta R.T. -0.00 min

Lab File: VL032710.D

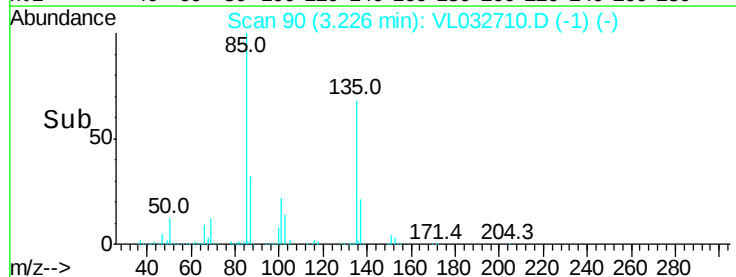
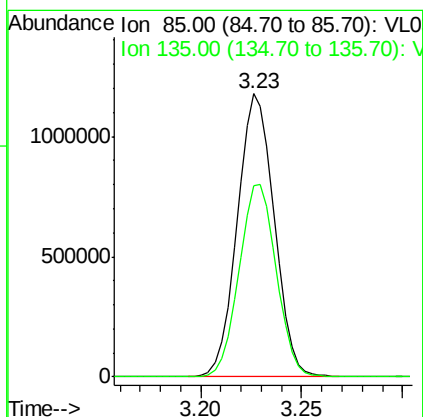
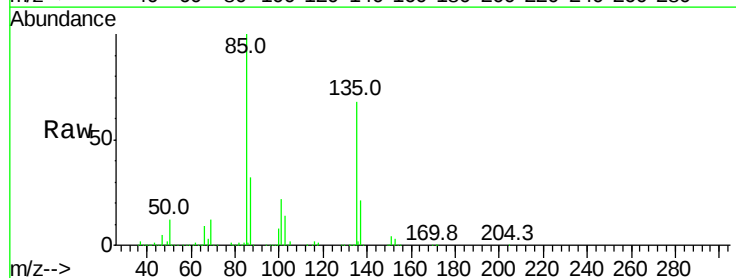
Acq: 31 Oct 2018 9:50

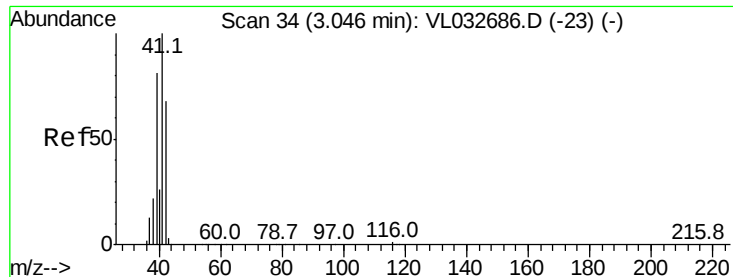
Tgt Ion: 85 Resp: 1515043

Ion Ratio Lower Upper

85 100

135 68.7 49.0 73.4





#9

Propene

Concen: 12.117 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

Lab File: VL032710.D

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Instrument :

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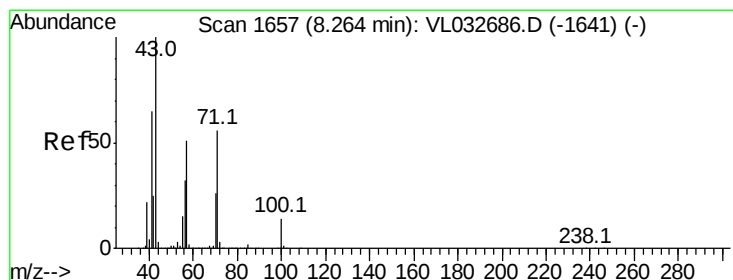
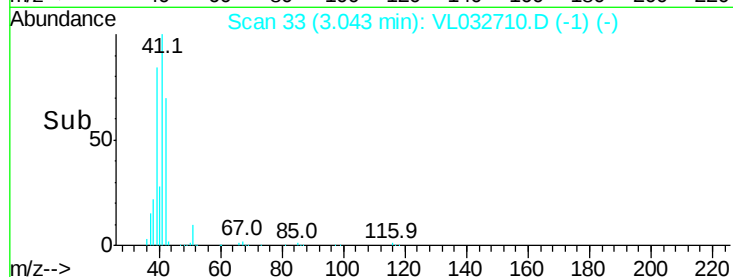
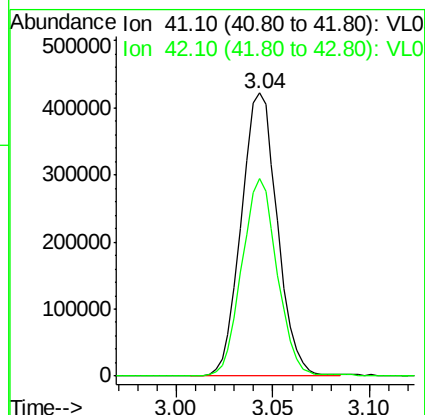
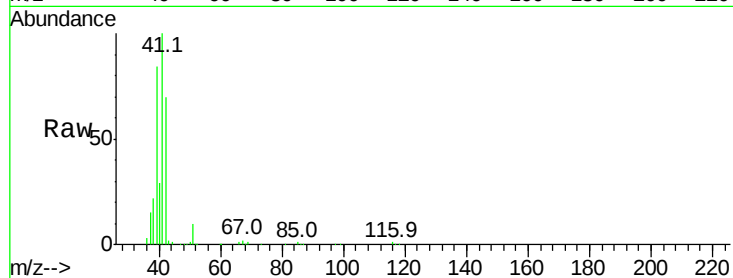
VSTDCCC010EC

Tgt Ion: 41 Resp: 548526

Ion Ratio Lower Upper

41 100

42 68.6 55.4 83.0



#10

Heptane

Concen: 11.460 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL032710.D

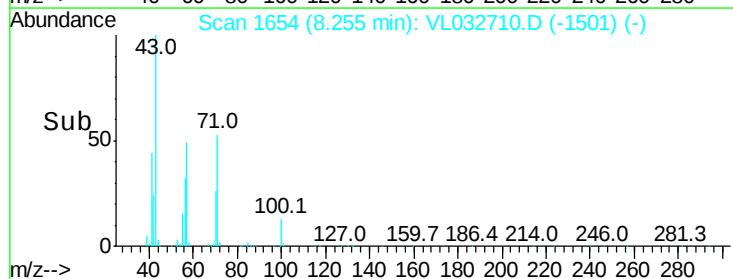
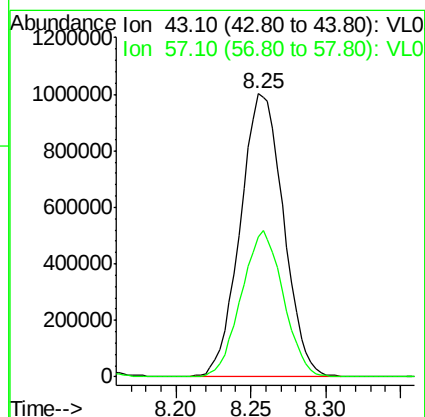
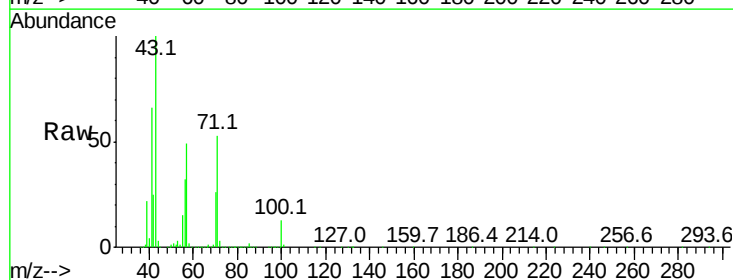
Acq: 31 Oct 2018 9:50

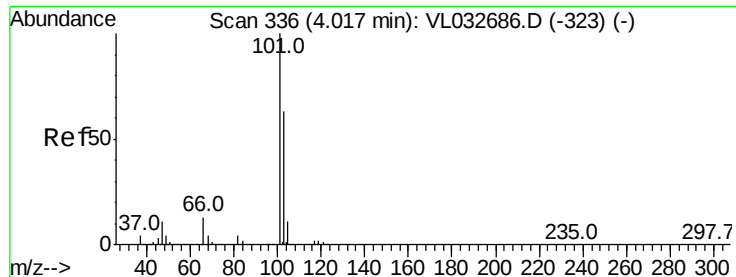
Tgt Ion: 43 Resp: 1999254

Ion Ratio Lower Upper

43 100

57 50.6 41.5 62.3





#11

Trichlorofluoromethane

Concen: 8.349 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

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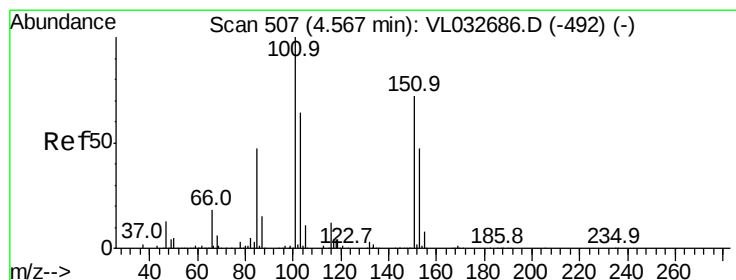
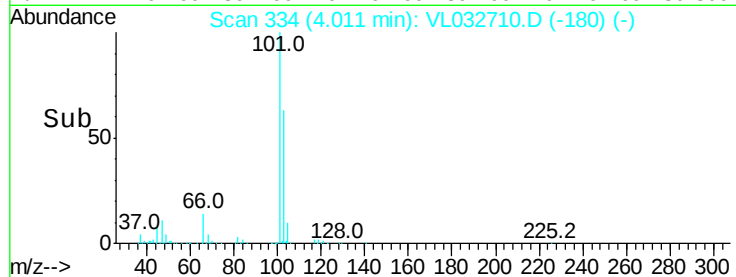
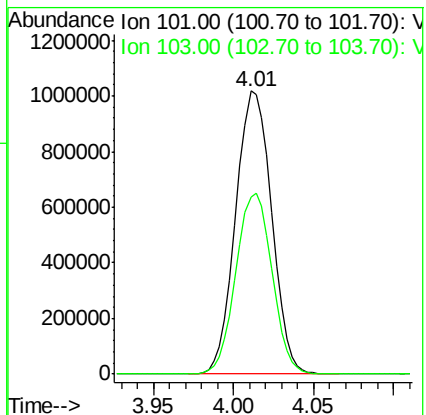
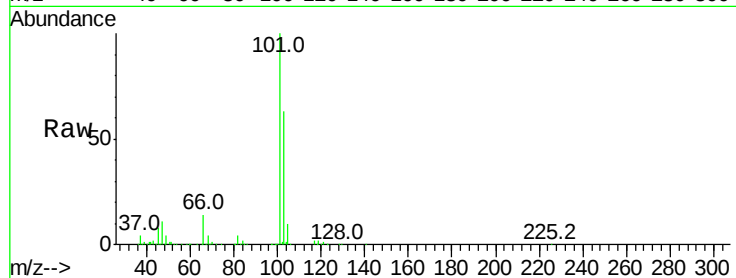
VSTDCCC010EC

Tgt Ion:101 Resp: 1562841

Ion Ratio Lower Upper

101 100

103 62.6 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 7.187 ppbv

RT: 4.56 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL032710.D

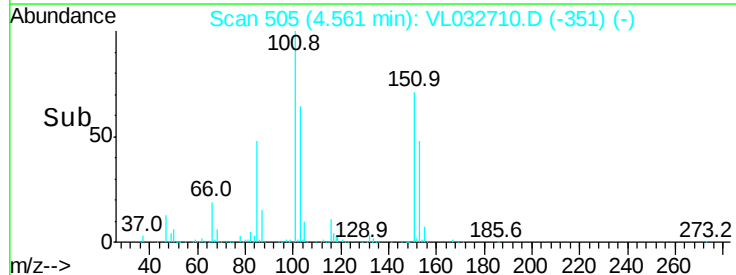
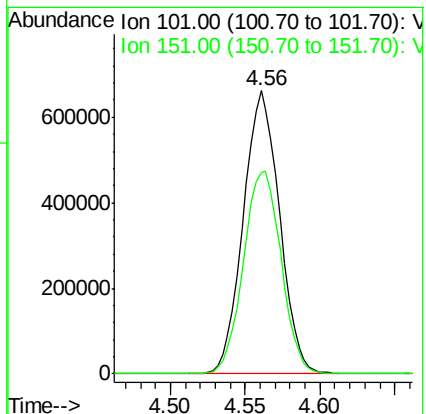
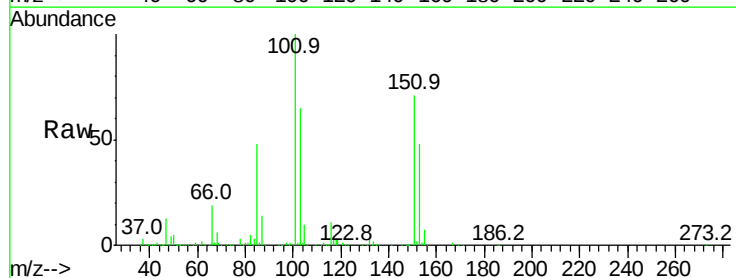
Acq: 31 Oct 2018 9:50

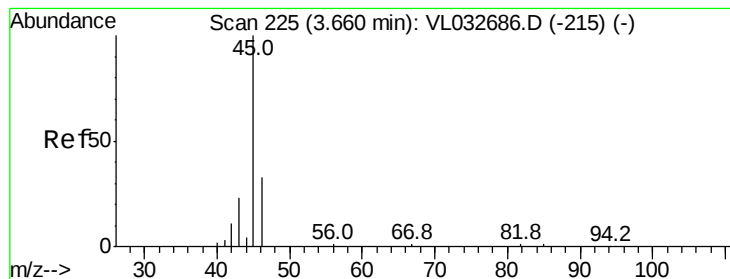
Tgt Ion:101 Resp: 1118786

Ion Ratio Lower Upper

101 100

151 74.3 52.3 78.5





#13

Ethanol

Concen: 10.684 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

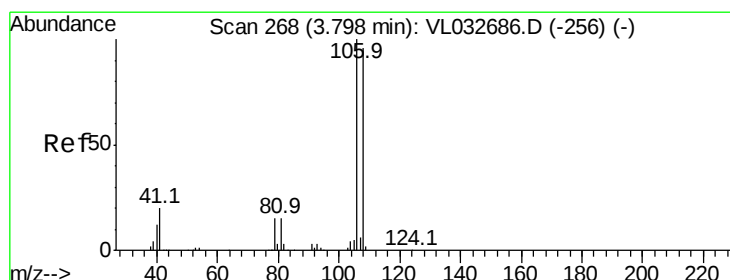
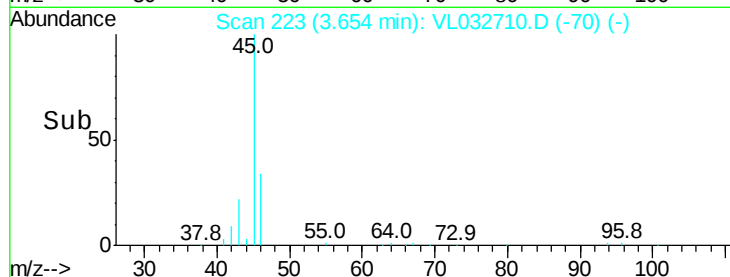
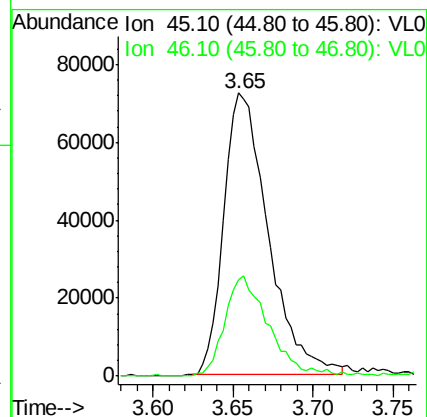
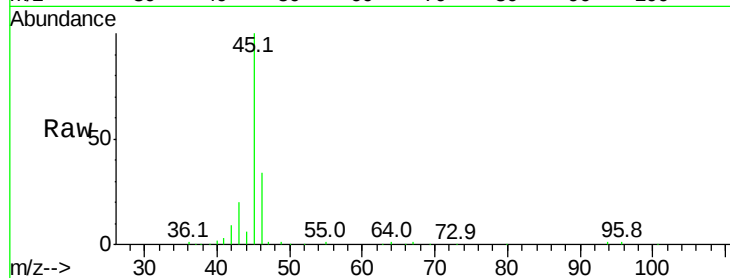
VSTDCCC010EC

Tgt Ion: 45 Resp: 138234

Ion Ratio Lower Upper

45 100

46 35.3 15.4 61.8



#14

Bromoethene

Concen: 9.810 ppbv

RT: 3.80 min Scan# 267

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

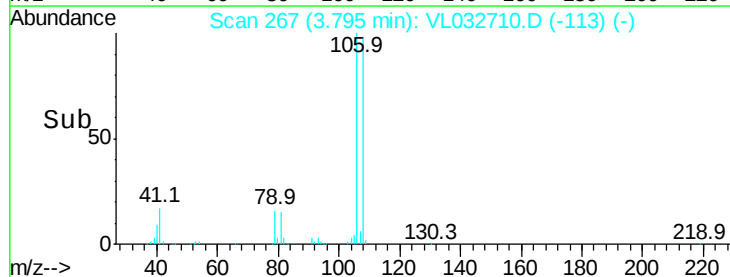
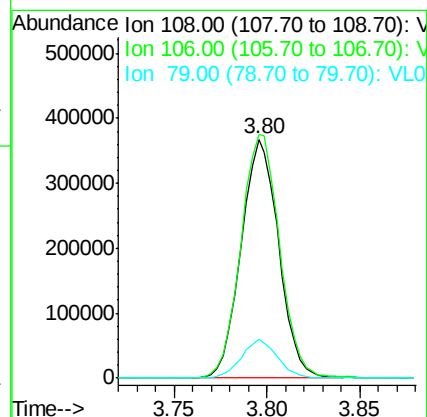
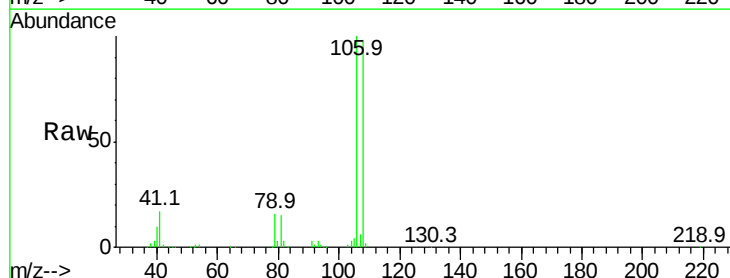
Tgt Ion: 108 Resp: 516126

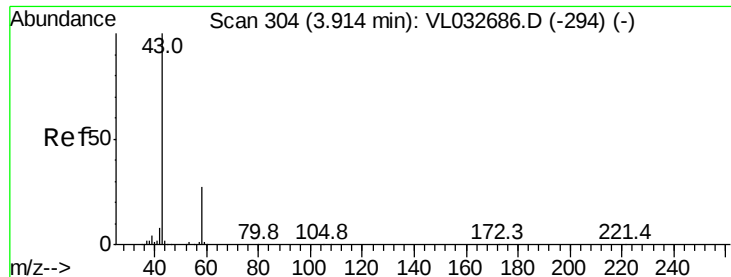
Ion Ratio Lower Upper

108 100

106 106.0 85.0 127.4

79 15.9 13.7 20.5





#15

Acetone

Concen: 8.563 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

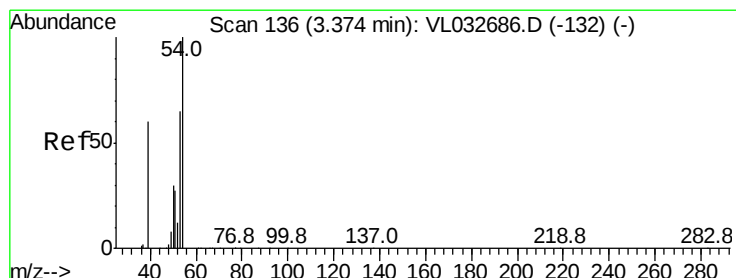
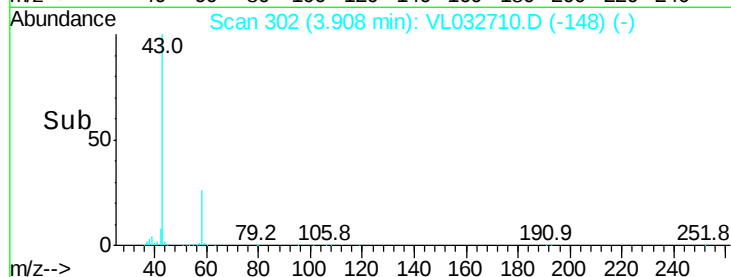
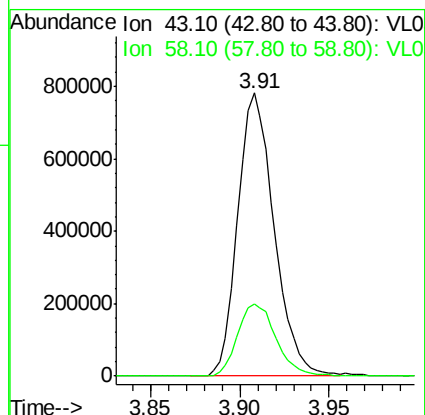
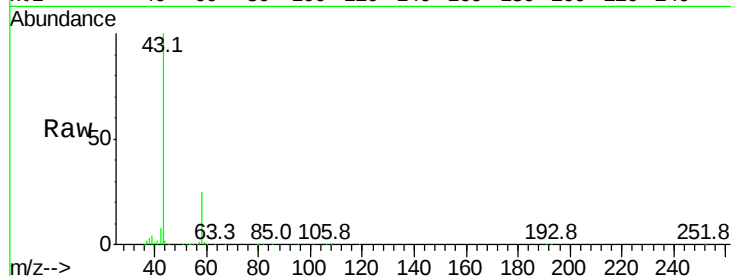
VSTDCCC010EC

Tgt Ion: 43 Resp: 1112291

Ion Ratio Lower Upper

43 100

58 27.2 22.1 33.1



#16

1,3-Butadiene

Concen: 11.556 ppbv

RT: 3.37 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL032710.D

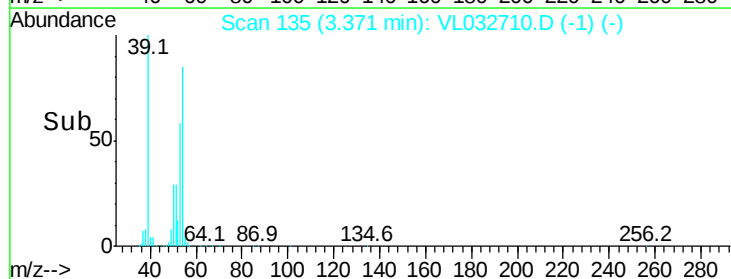
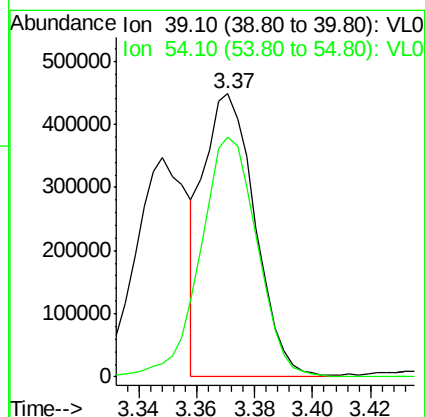
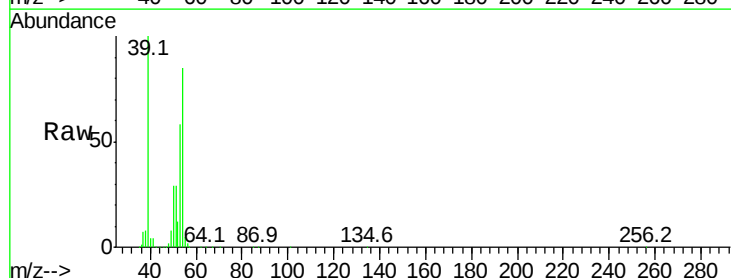
Acq: 31 Oct 2018 9:50

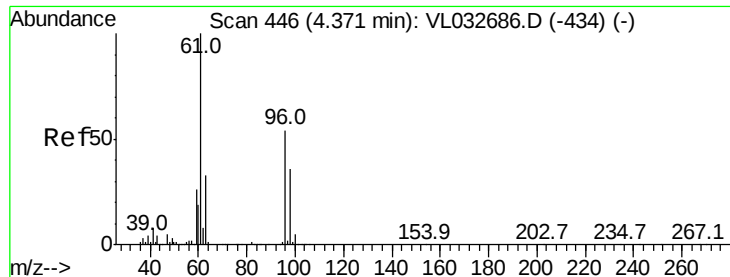
Tgt Ion: 39 Resp: 552193

Ion Ratio Lower Upper

39 100

54 94.1 90.4 135.6





#17

tert-Butyl alcohol

Concen: 10.163 ppbv

RT: 4.36 min Scan# 444

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

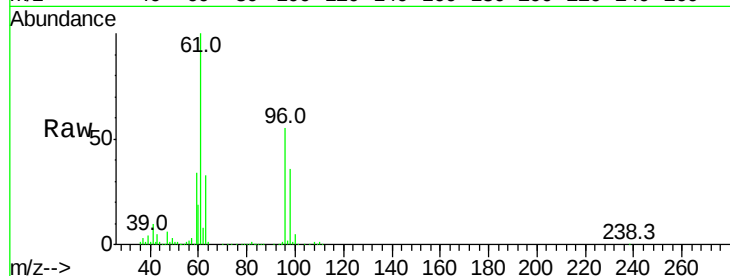
VSTDCCC010EC

Tgt Ion: 59 Resp: 388245

Ion Ratio Lower Upper

59 100

57 9.8 0.0 0.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

200000

150000

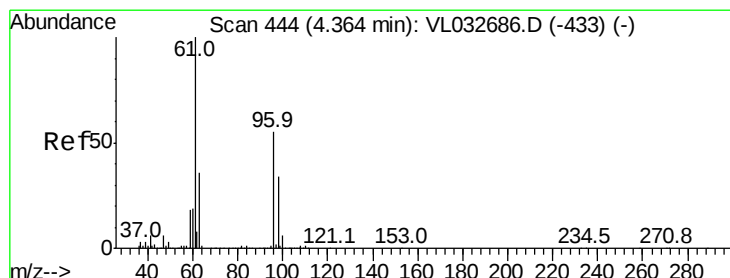
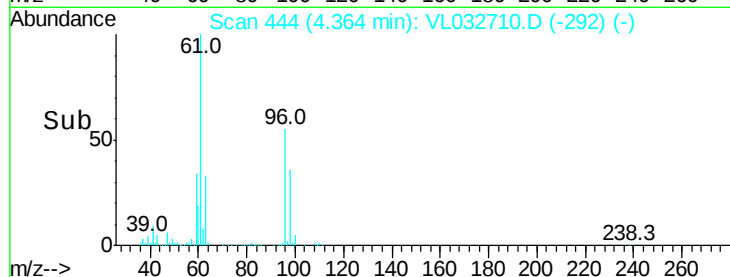
100000

50000

0

4.30 4.35 4.40 4.45

Time-->



#18

1,1-Dichloroethene

Concen: 7.925 ppbv

RT: 4.36 min Scan# 443

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

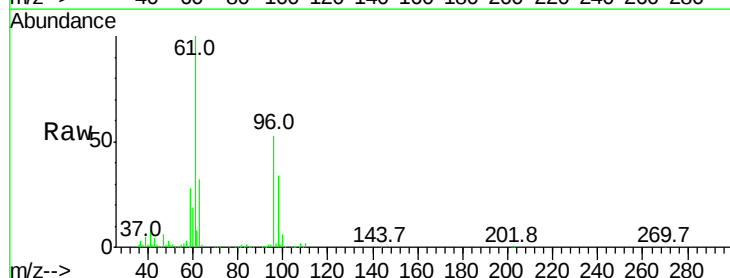
Tgt Ion: 96 Resp: 541973

Ion Ratio Lower Upper

96 100

61 187.3 151.6 227.4

98 63.7 50.6 75.8



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

4.36

800000

600000

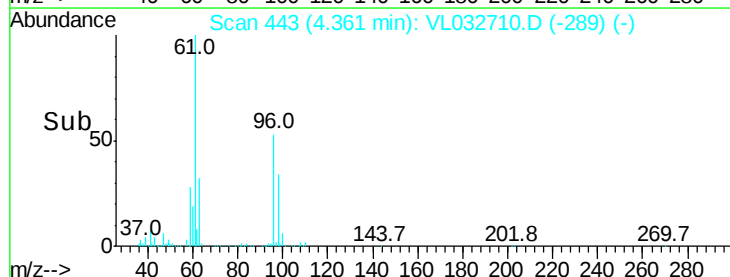
400000

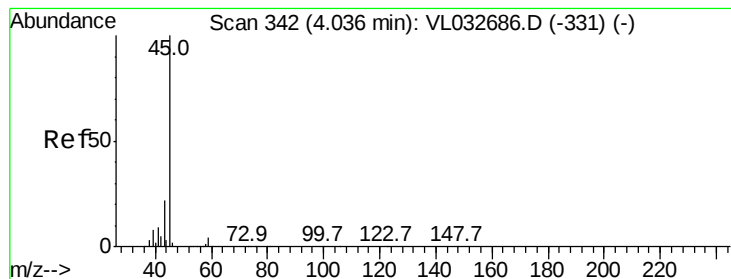
200000

0

4.30 4.35 4.40

Time-->





#19

Isopropyl Alcohol

Concen: 10.020 ppbv

RT: 4.03 min Scan# 340

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

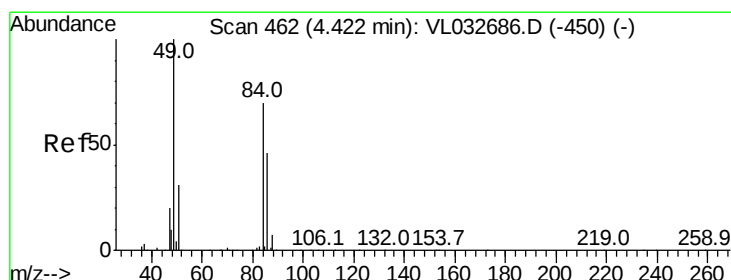
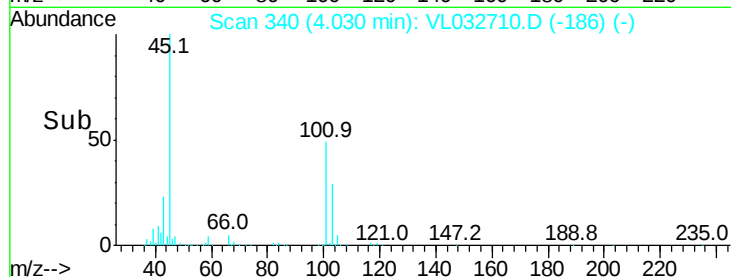
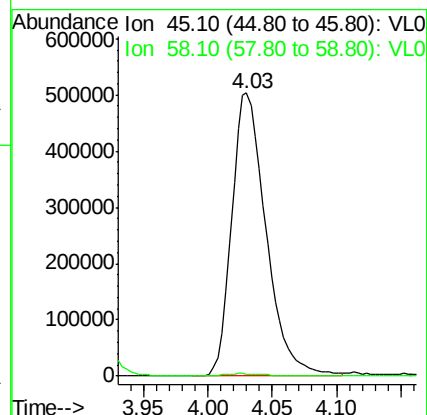
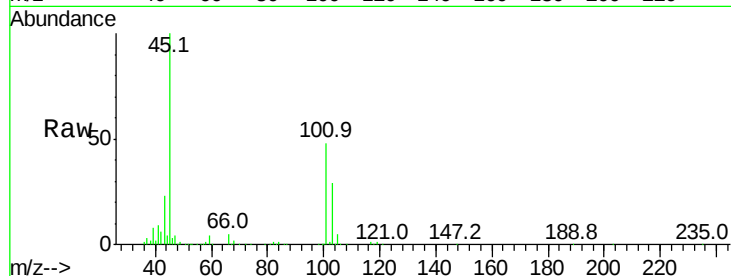
VSTDCCC010EC

Tgt Ion: 45 Resp: 926873

Ion Ratio Lower Upper

45 100

58 1.2 2.0 3.0#



#20

Methylene Chloride

Concen: 6.981 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Tgt Ion: 84 Resp: 460281

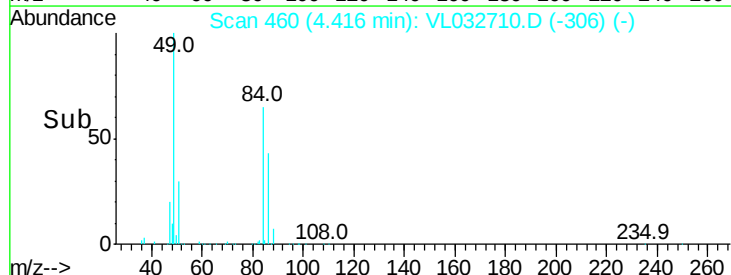
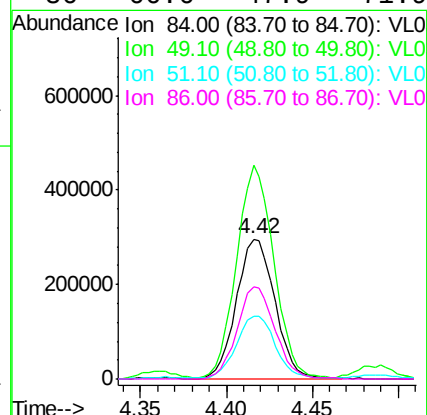
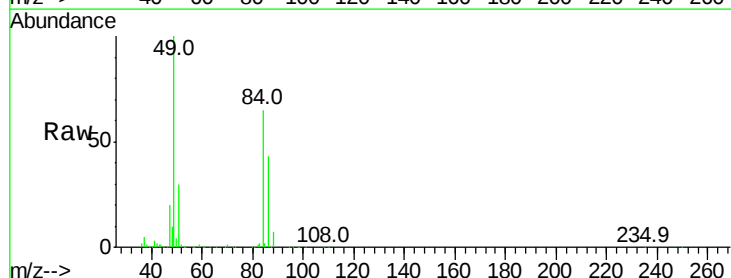
Ion Ratio Lower Upper

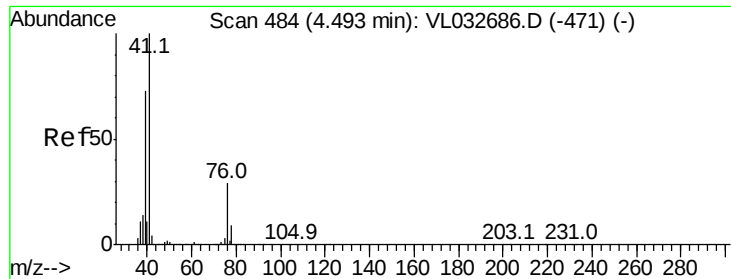
84 100

49 152.5 113.5 170.3

51 44.9 34.8 52.2

86 66.6 47.9 71.9

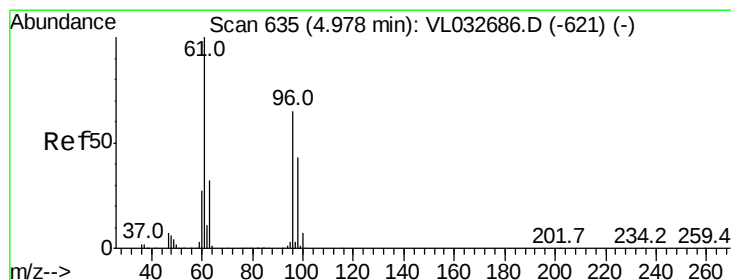
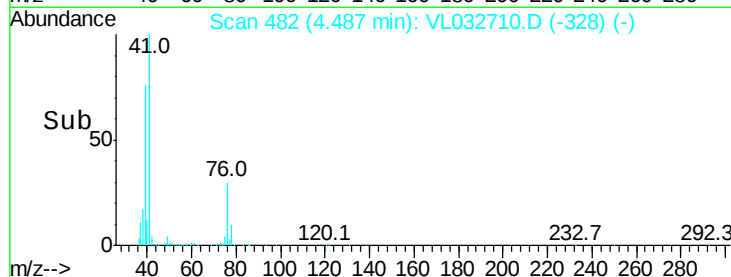
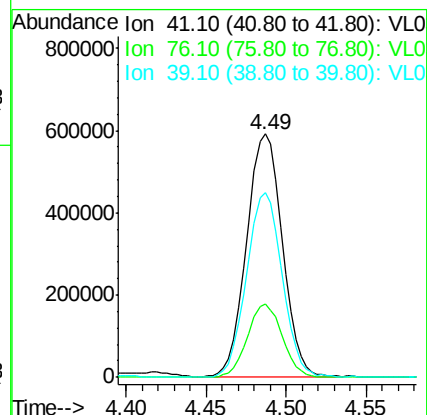
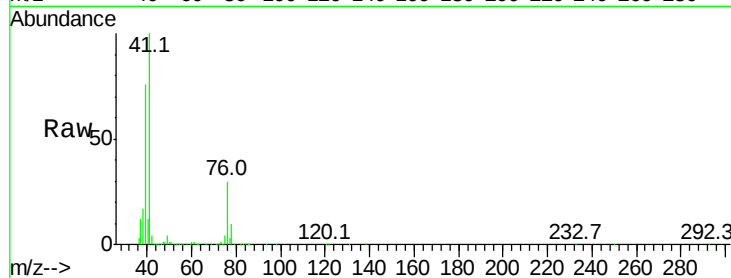




#21
 Allyl Chloride
 Concen: 8.426 ppbv
 RT: 4.49 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

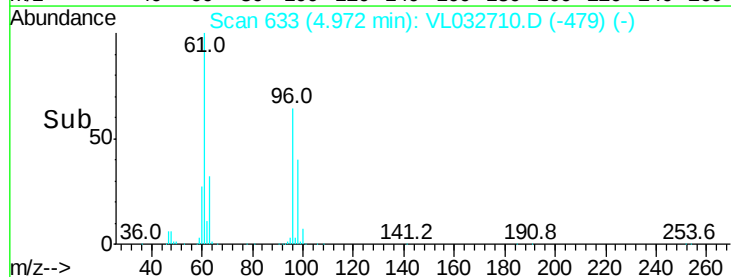
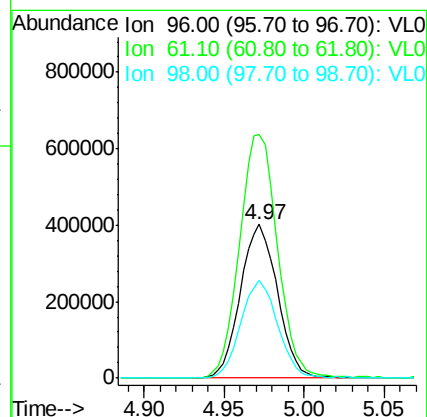
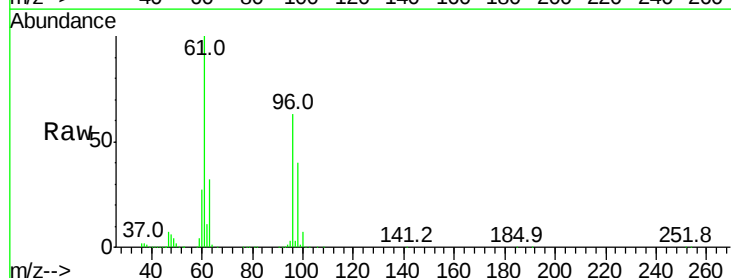
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

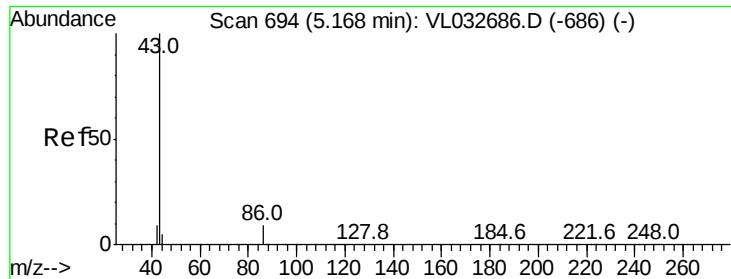
Tgt Ion: 41 Resp: 898583
 Ion Ratio Lower Upper
 41 100
 76 29.4 24.3 36.5
 39 75.8 60.3 90.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.049 ppbv
 RT: 4.97 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

Tgt Ion: 96 Resp: 634817
 Ion Ratio Lower Upper
 96 100
 61 158.5 140.4 210.6
 98 63.5 55.0 82.6





#23

Vinyl Acetate

Concen: 11.804 ppbv

RT: 5.17 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2716973

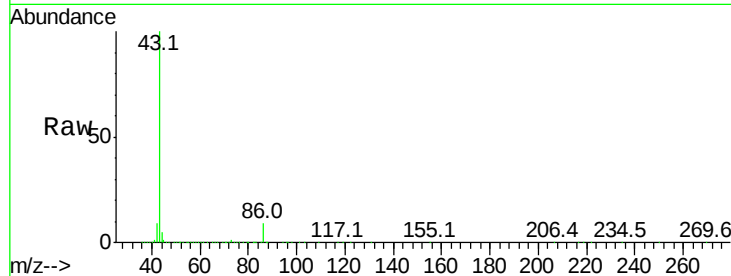
Ion Ratio Lower Upper

43 100

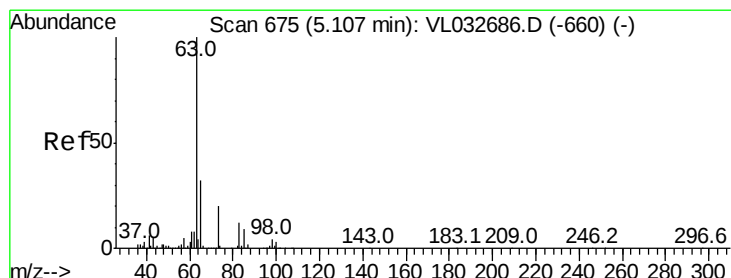
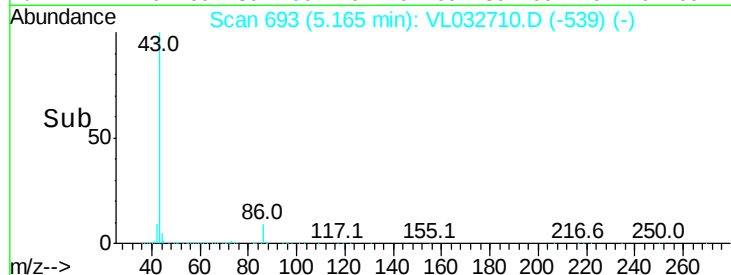
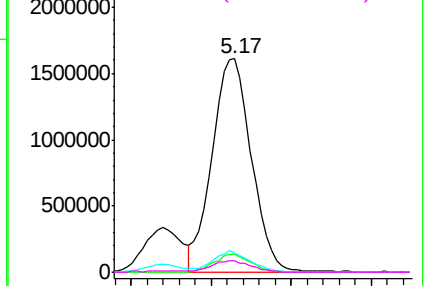
86 8.5 6.1 9.1

42 9.1 7.4 11.2

44 5.2 4.2 6.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
2500000
Ion 86.10 (85.80 to 86.80): VL0
2000000
Ion 42.10 (41.80 to 42.80): VL0
1500000
Ion 44.10 (43.80 to 44.80): VL0
1000000
500000
0



#24

1,1-Dichloroethane

Concen: 10.427 ppbv

RT: 5.10 min Scan# 672

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

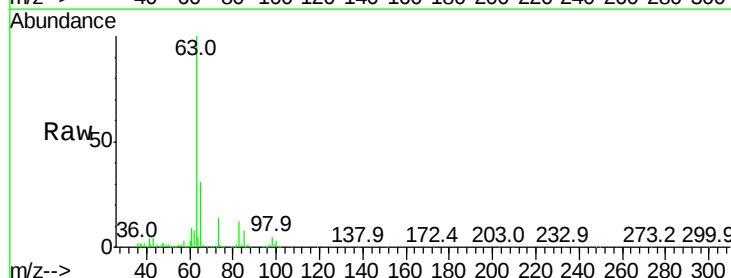
Tgt Ion: 63 Resp: 1884019

Ion Ratio Lower Upper

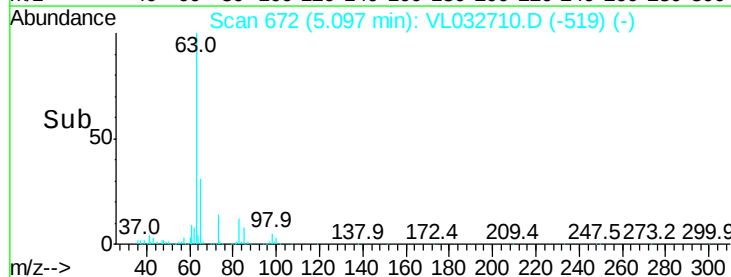
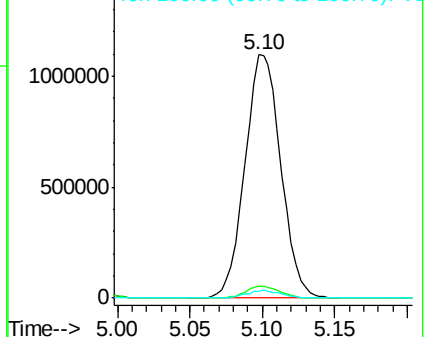
63 100

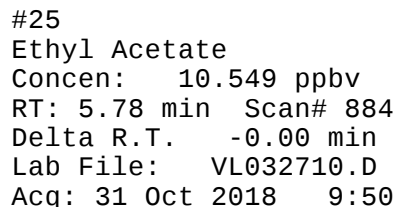
98 4.8 2.1 6.3

100 2.8 1.2 3.6

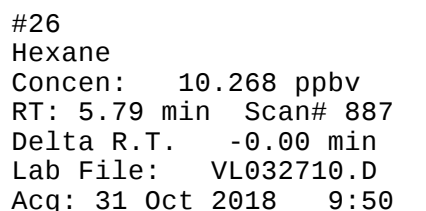
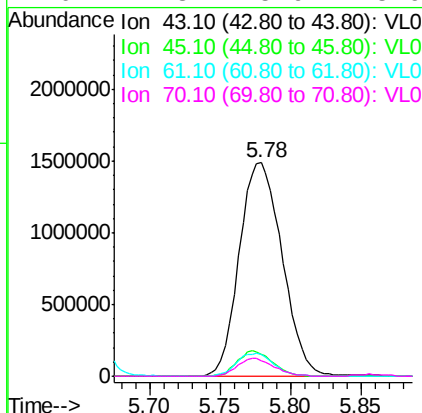
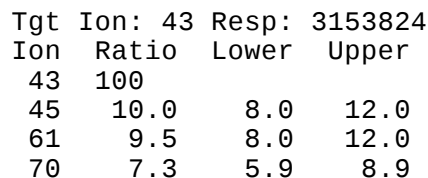


Abundance Ion 63.10 (62.80 to 63.80): VL0
1500000
Ion 98.00 (97.70 to 98.70): VL0
1000000
Ion 100.00 (99.70 to 100.70): VL0
500000
0

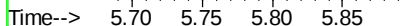
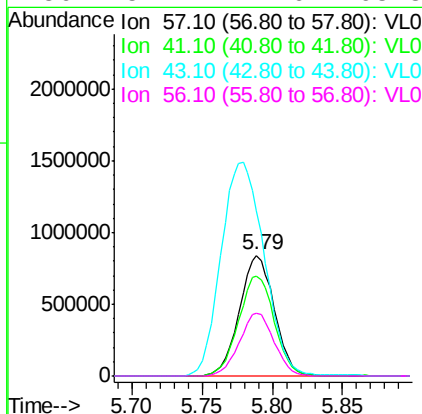


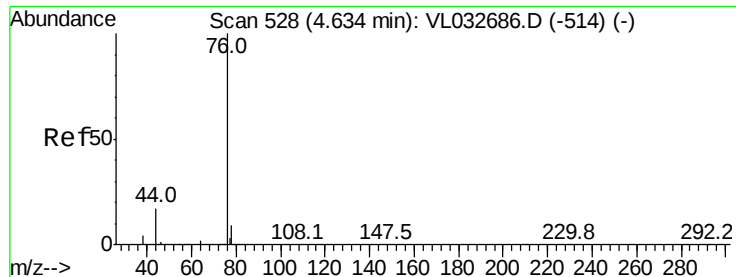


Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt	Ion: 57	Resp: 1452537	
Ion	Ratio	Lower	Upper
57	100		
41	85.3	67.4	101.0
43	218.1	171.9	257.9
56	52.1	42.6	63.8





#27

Carbon Disulfide

Concen: 8.619 ppbv

RT: 4.63 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

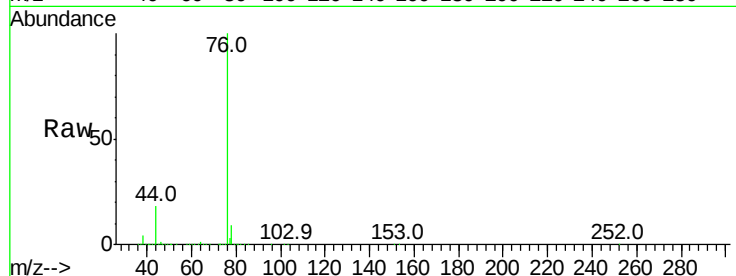
Tgt Ion: 76 Resp: 1479040

Ion Ratio Lower Upper

76 100

44 18.0 13.7 20.5

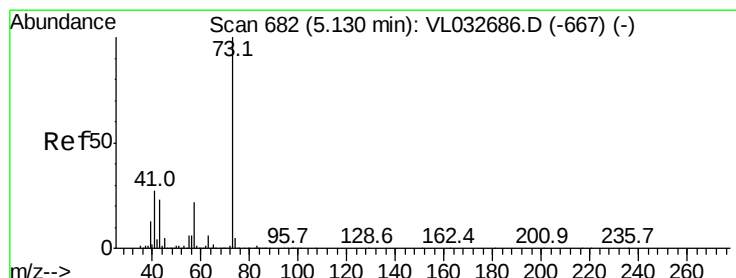
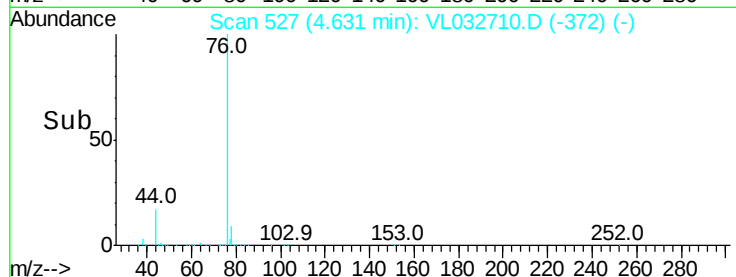
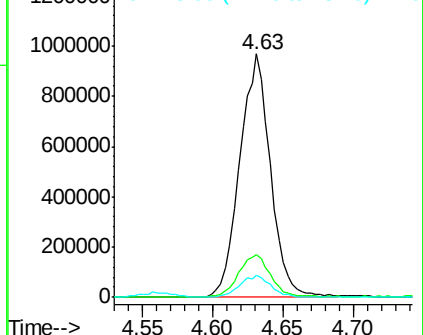
78 9.1 7.4 11.2



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: 11.981 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.01 min

Lab File: VL032710.D

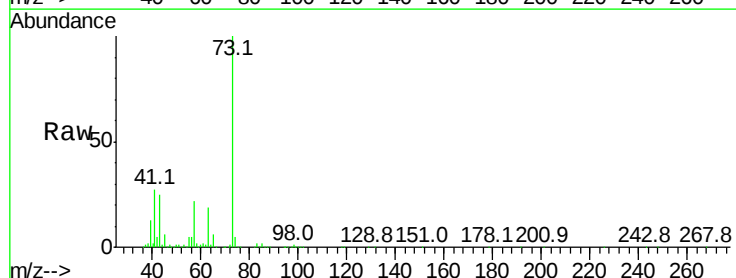
Acq: 31 Oct 2018 9:50

Tgt Ion: 73 Resp: 2435804

Ion Ratio Lower Upper

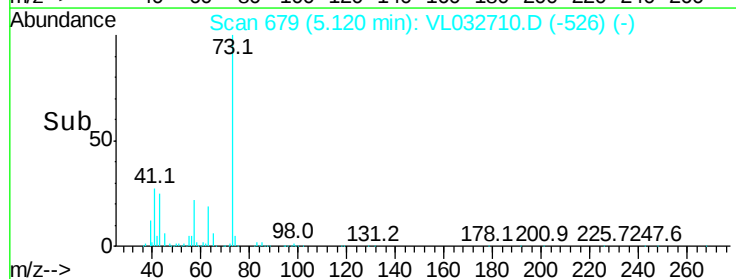
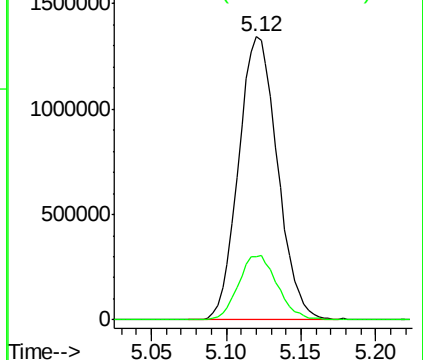
73 100

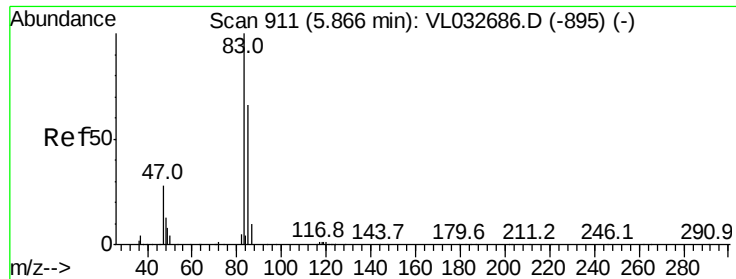
57 22.9 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.086 ppbv

RT: 5.86 min Scan# 909

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

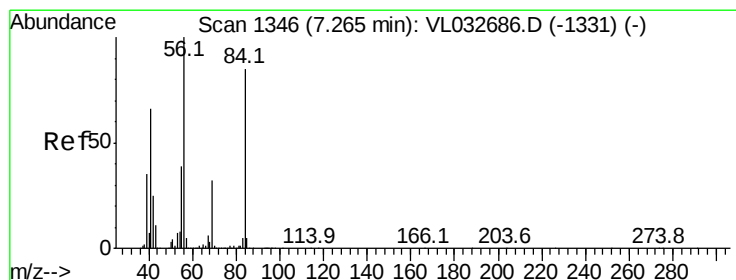
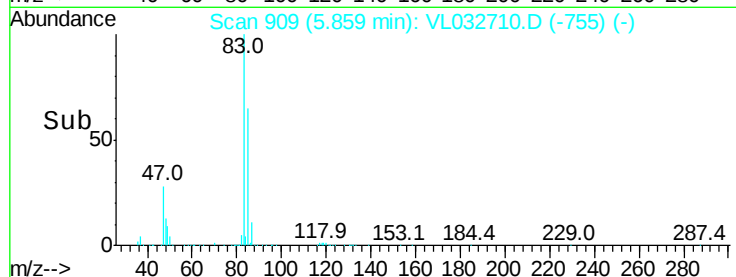
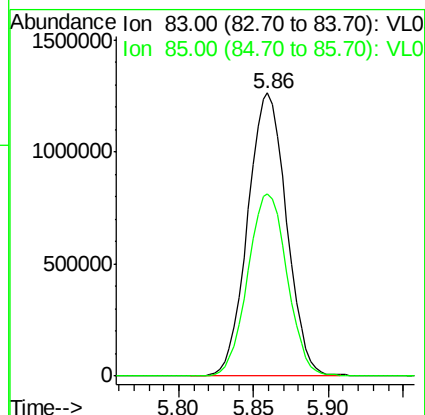
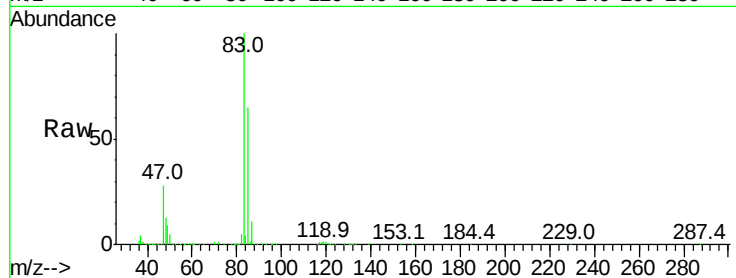
VSTDCCC010EC

Tgt Ion: 83 Resp: 2279161

Ion Ratio Lower Upper

83 100

85 64.4 53.0 79.6



#30

Cyclohexane

Concen: 11.799 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

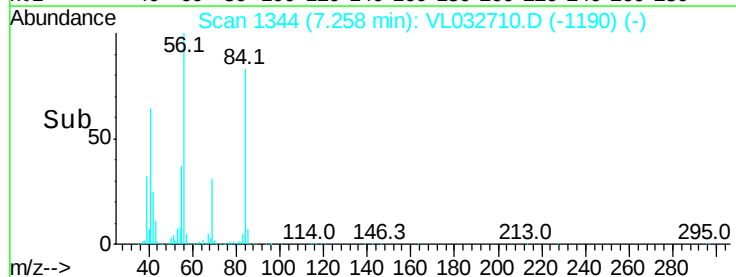
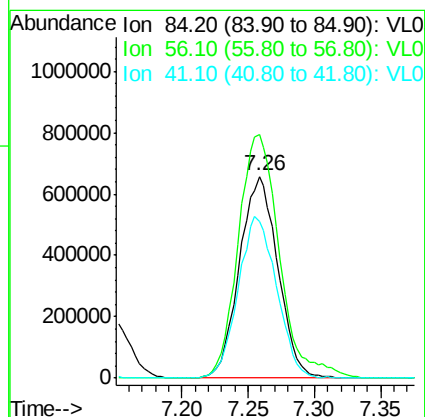
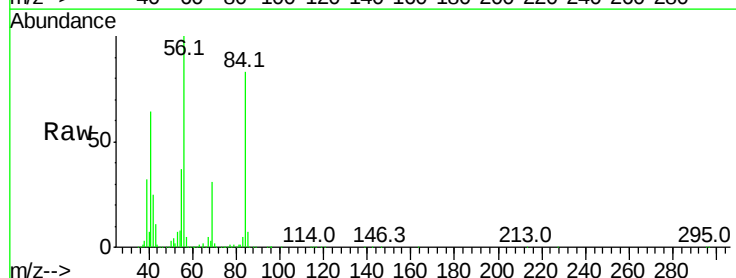
Tgt Ion: 84 Resp: 1321138

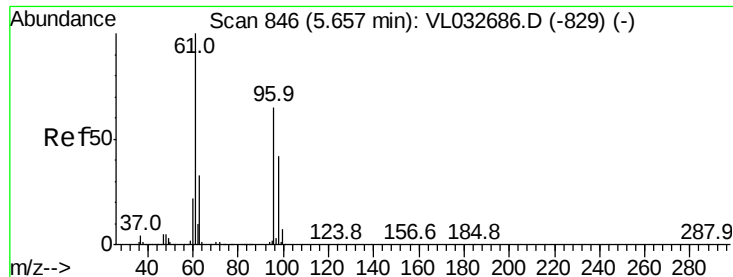
Ion Ratio Lower Upper

84 100

56 130.5 108.3 162.5

41 80.4 64.8 97.2





#31

cis-1,2-Dichloroethene

Concen: 11.543 ppbv

RT: 5.65 min Scan# 843

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

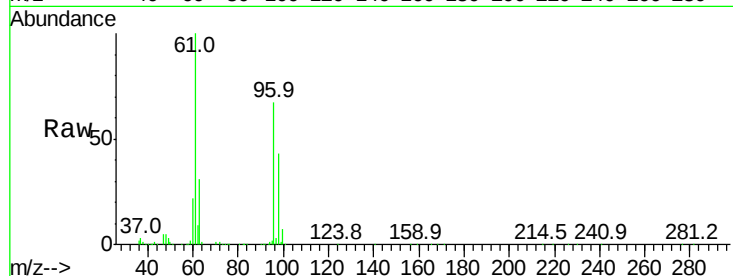
Tgt Ion: 61 Resp: 1514137

Ion Ratio Lower Upper

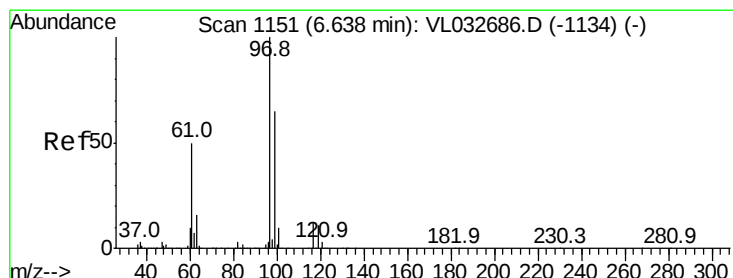
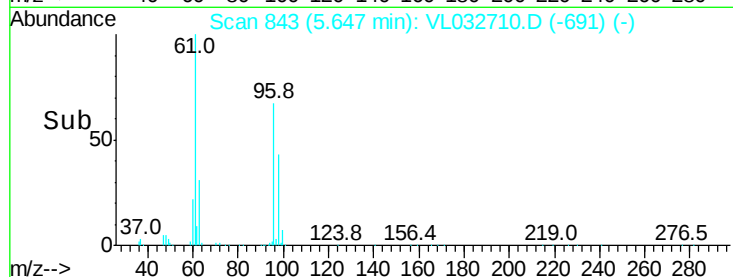
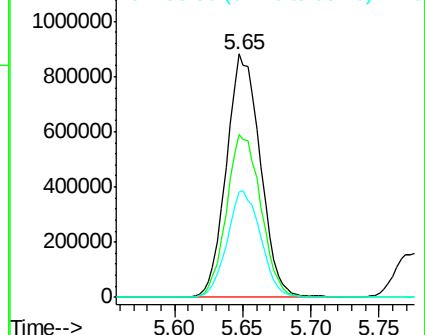
61 100

96 67.0 51.8 77.6

98 43.2 33.8 50.6



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: 10.626 ppbv

RT: 6.63 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

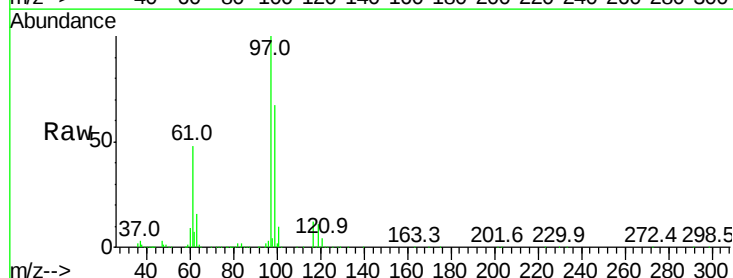
Tgt Ion: 97 Resp: 2440023

Ion Ratio Lower Upper

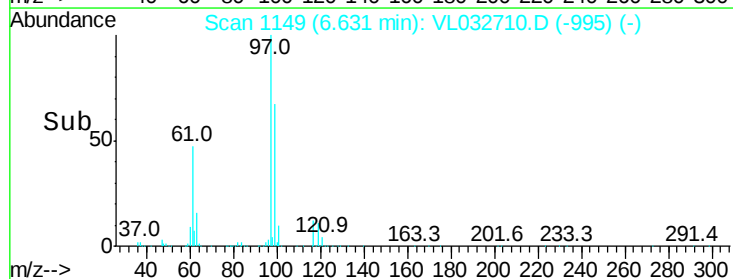
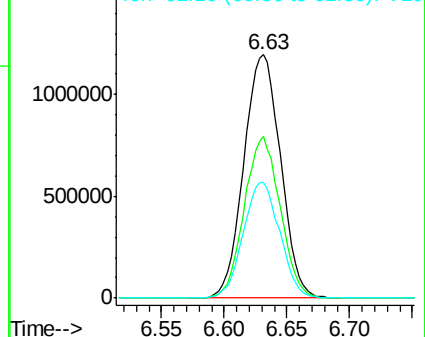
97 100

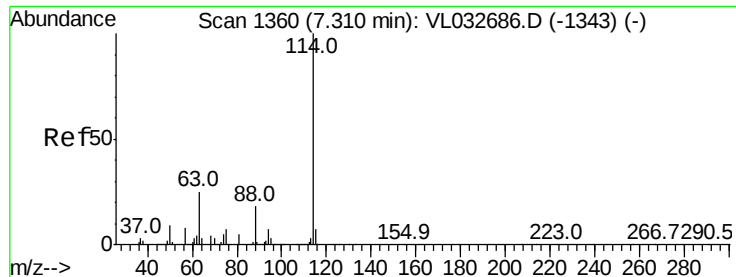
99 64.8 52.0 78.0

61 47.5 40.7 61.1



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: 10.000 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.00 min

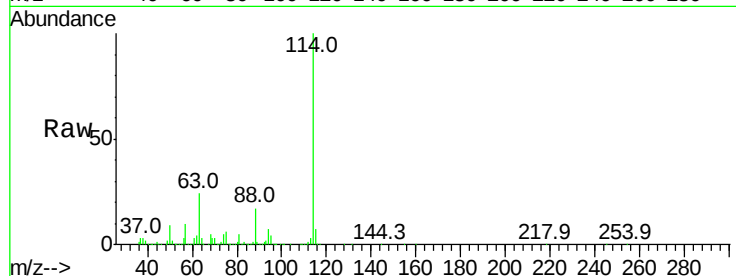
Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 3625636

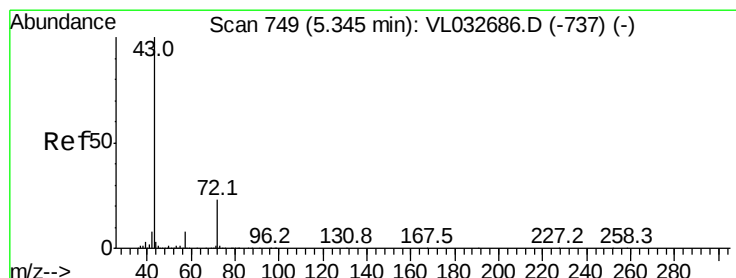
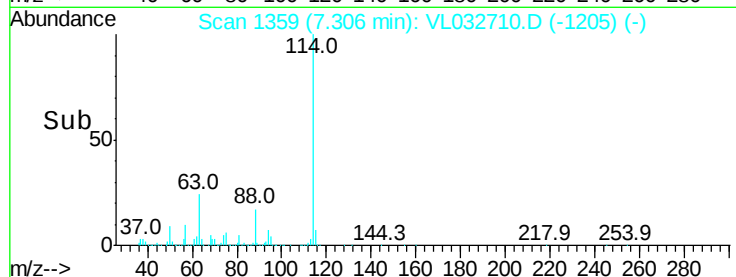
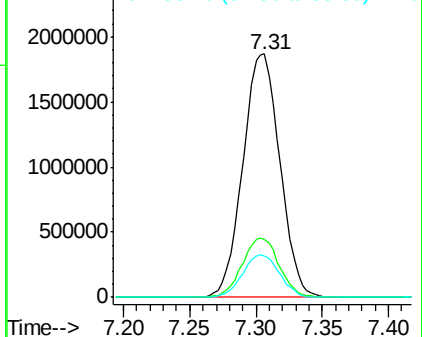
Ion	Ratio	Lower	Upper
114	100		
63	24.6	21.7	32.5
88	17.6	14.9	22.3



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 11.104 ppbv

RT: 5.34 min Scan# 746

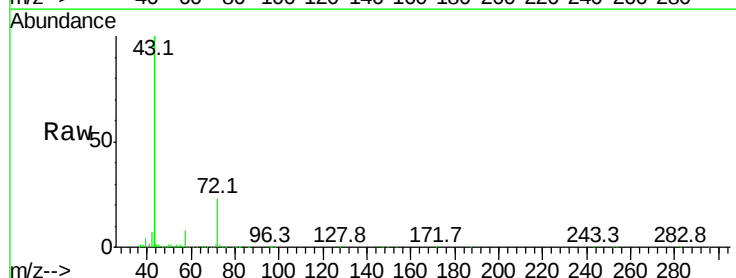
Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

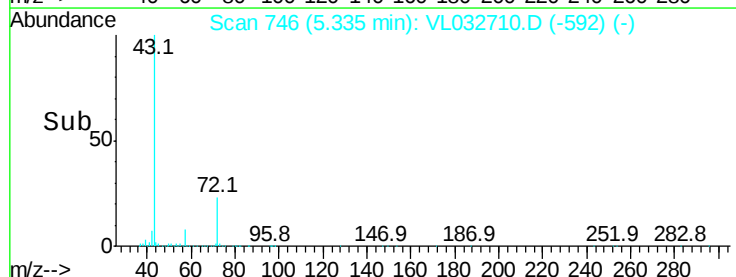
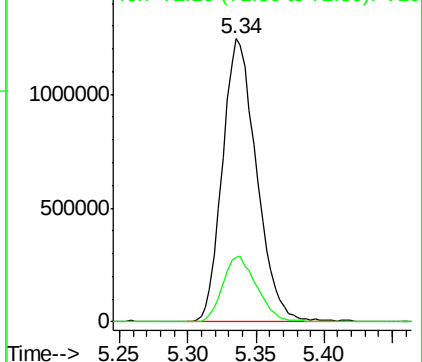
Tgt Ion: 43 Resp: 2158203

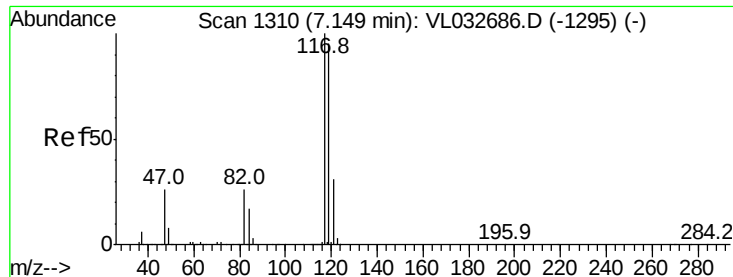
Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.6	27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.847 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

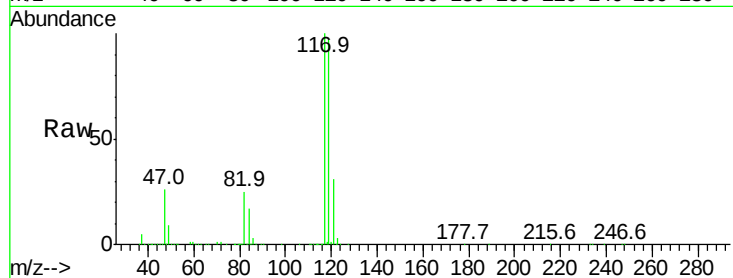
Tgt Ion:117 Resp: 2533794

Ion Ratio Lower Upper

117 100

119 97.3 75.7 113.5

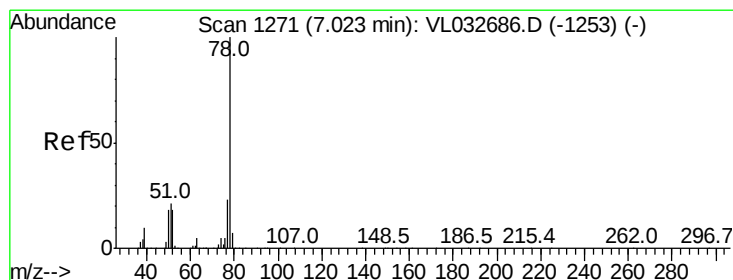
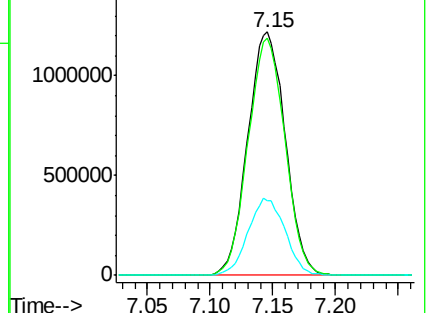
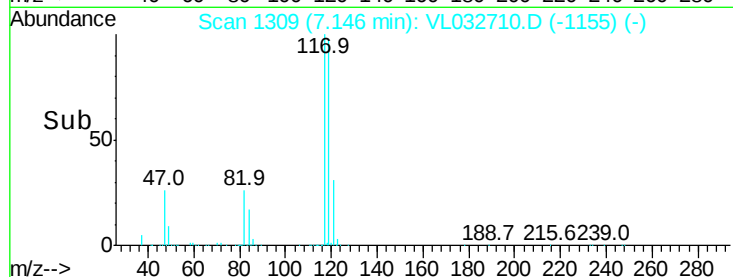
121 30.7 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.632 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

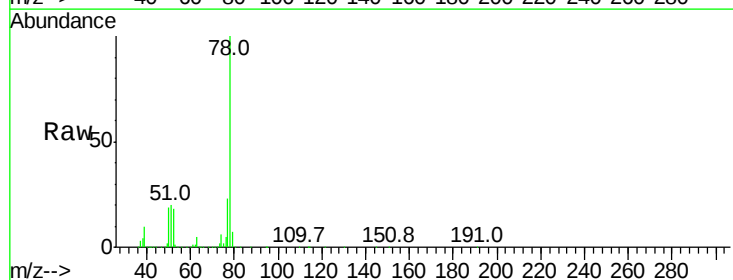
Tgt Ion: 78 Resp: 3130229

Ion Ratio Lower Upper

78 100

77 23.2 18.1 27.1

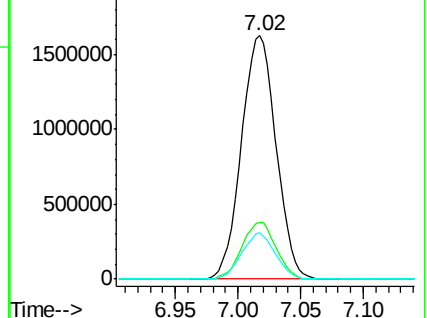
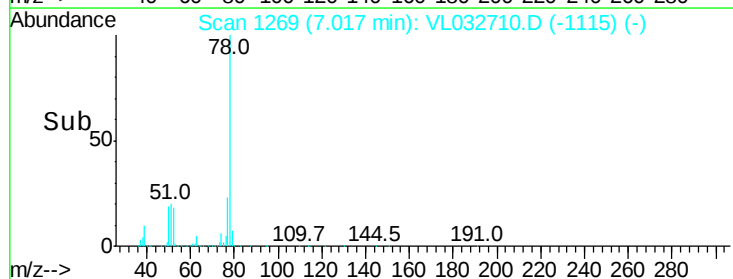
50 18.9 15.1 22.7

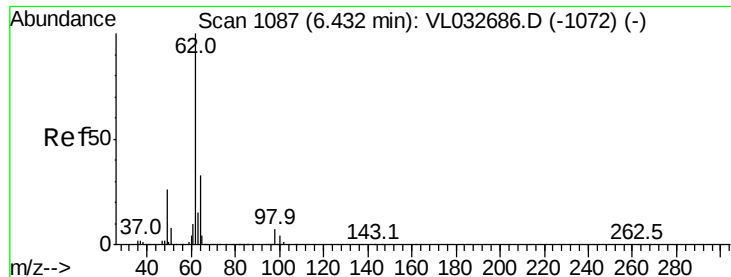


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

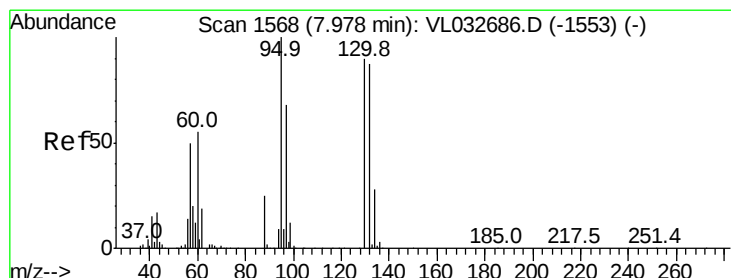
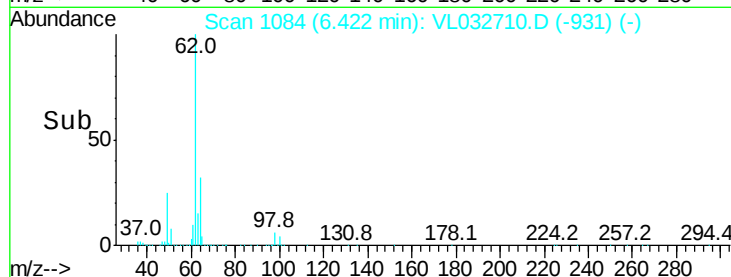
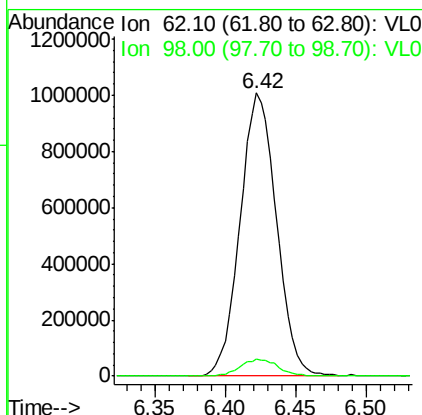
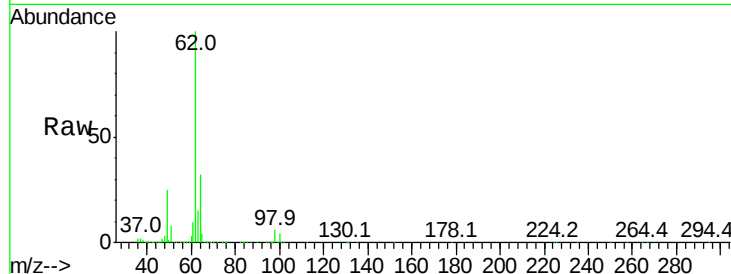




#37
 1,2-Dichloroethane
 Concen: 10.091 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

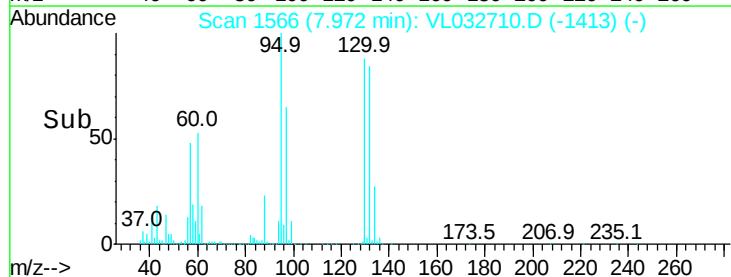
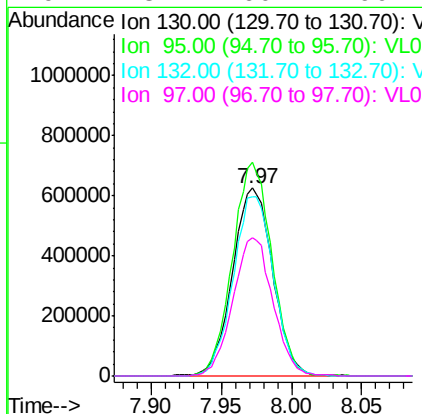
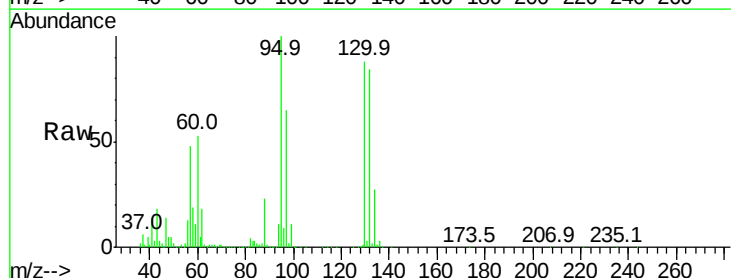
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

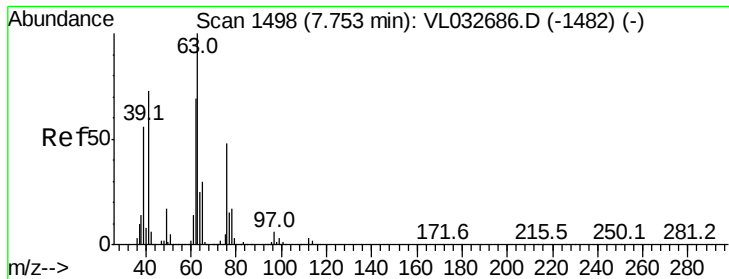
Tgt Ion: 62 Resp: 1822311
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.4 6.6



#38
 Trichloroethene
 Concen: 11.375 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

Tgt Ion: 130 Resp: 1239715
 Ion Ratio Lower Upper
 130 100
 95 113.5 93.4 140.0
 132 95.1 76.5 114.7
 97 73.4 60.2 90.2





#39

1,2-Dichloropropane

Concen: 10.782 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

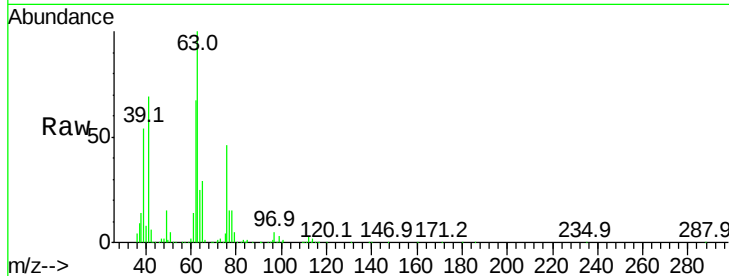
Tgt Ion: 63 Resp: 1225881

Ion Ratio Lower Upper

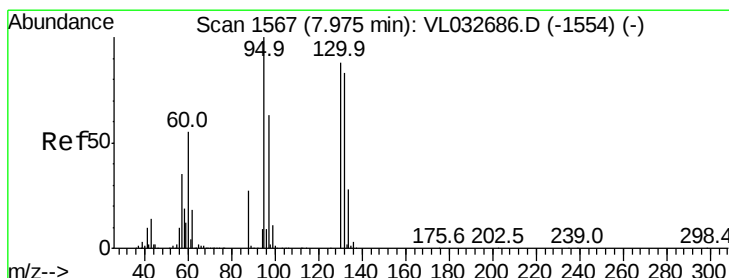
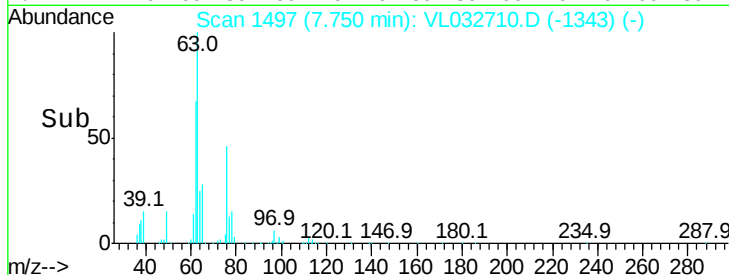
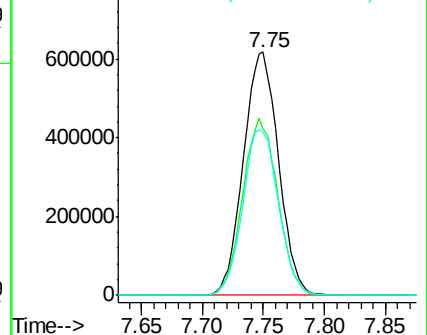
63 100

41 68.5 56.2 84.4

62 67.0 54.4 81.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.456 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Tgt Ion: 88 Resp: 405991

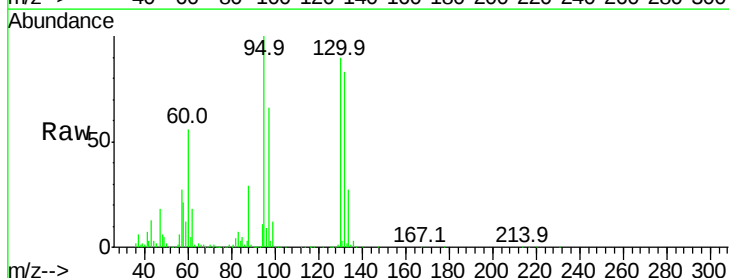
Ion Ratio Lower Upper

88 100

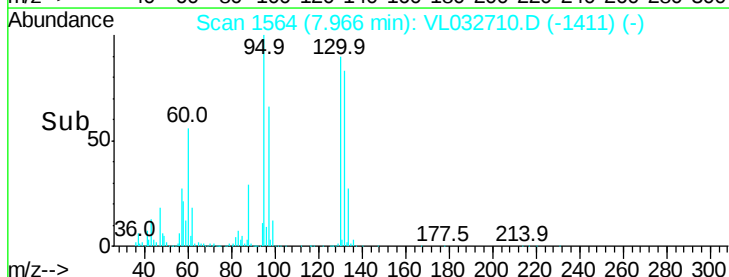
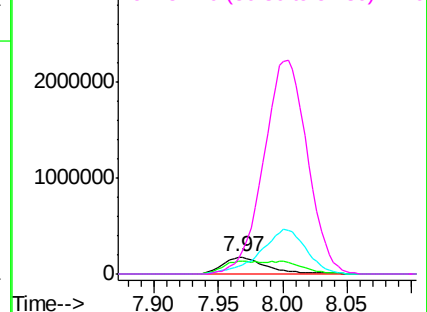
58 132.6 104.0 156.0

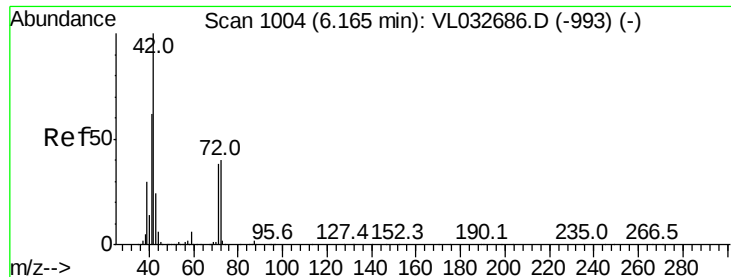
43 285.0 0.0 0.0#

57 1300.1 0.0 0.0#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.145 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

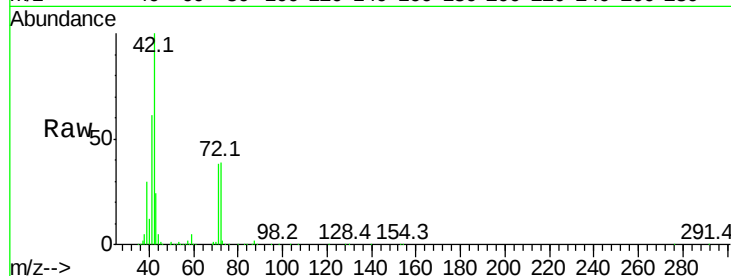
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 42 Resp: 1207051

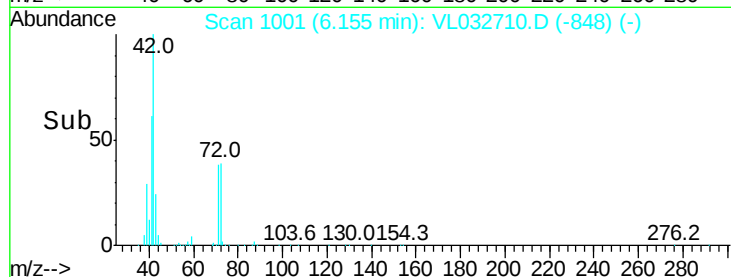
Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.4	48.6
71	38.3	31.3	46.9



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

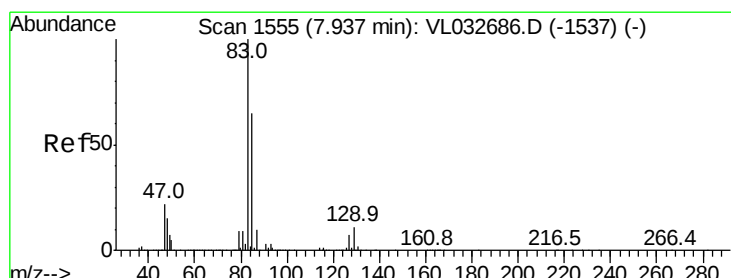
Ion 71.10 (70.80 to 71.80): VL0



Abundance

6.16

Time-->



#42

Bromodichloromethane

Concen: 10.279 ppbv

RT: 7.93 min Scan# 1552

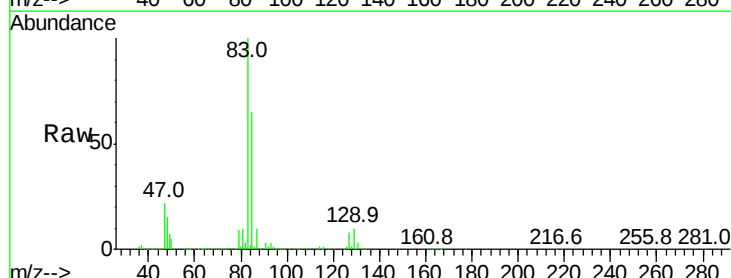
Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Tgt Ion: 83 Resp: 2600644

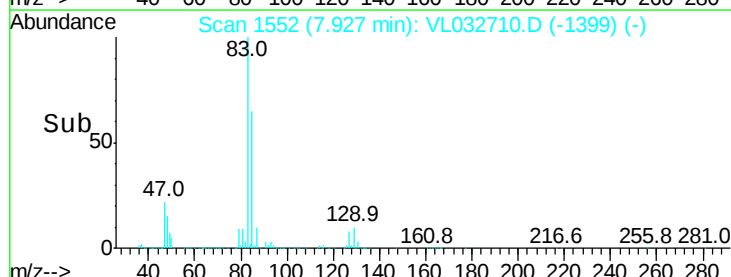
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	8.3	6.1	9.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

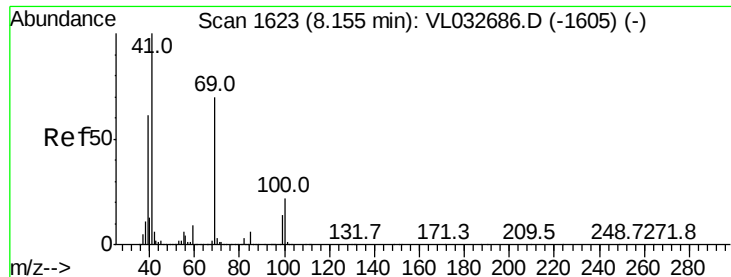
Ion 126.90 (126.60 to 127.60): V



Abundance

7.93

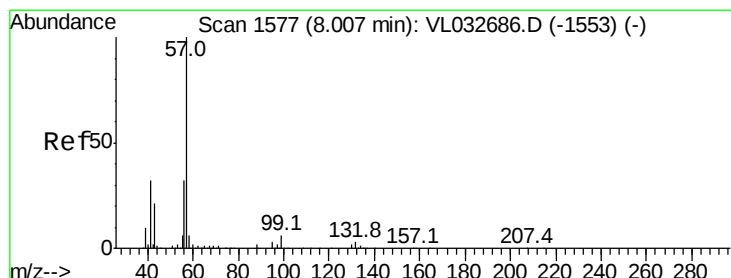
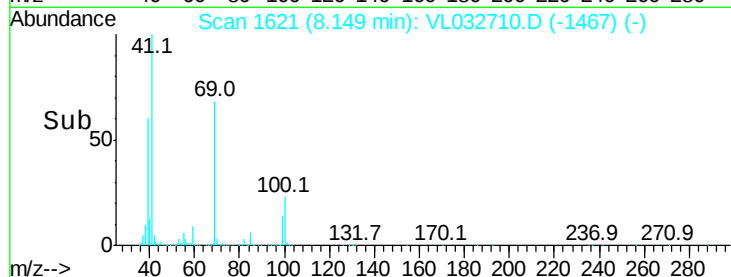
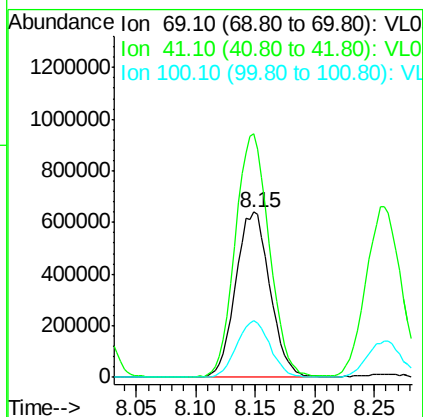
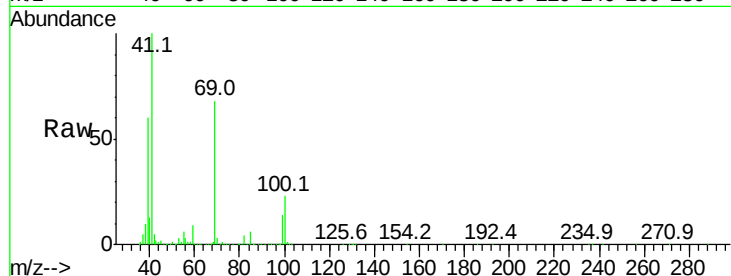
Time-->



#43
Methyl Methacrylate
Concen: 11.883 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VL032710.D
Acq: 31 Oct 2018 9:50

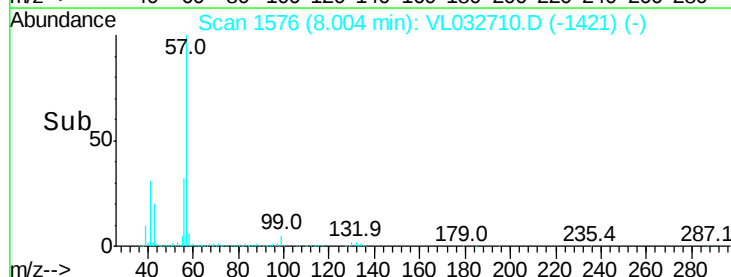
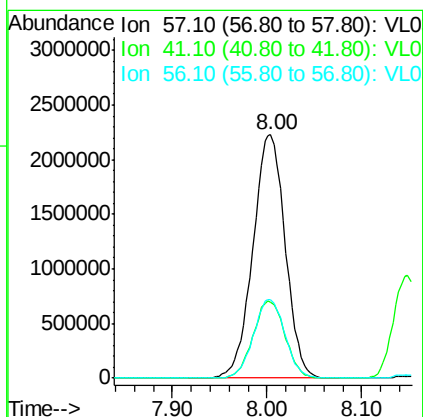
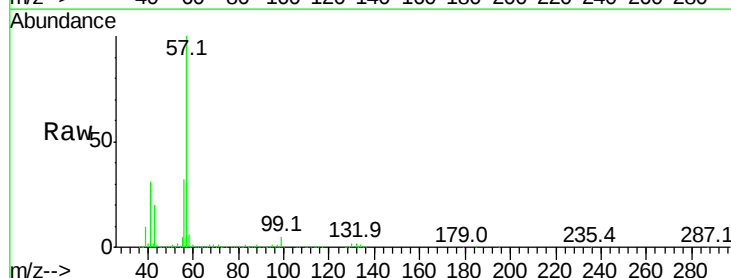
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

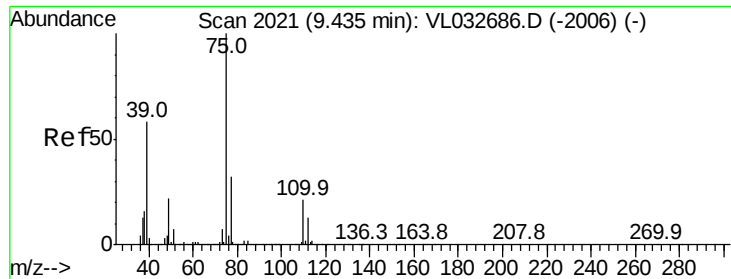
Tgt Ion: 69 Resp: 1282207
Ion Ratio Lower Upper
69 100
41 146.0 113.2 169.8
100 33.2 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.495 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL032710.D
Acq: 31 Oct 2018 9:50

Tgt Ion: 57 Resp: 5274796
Ion Ratio Lower Upper
57 100
41 31.4 24.7 37.1
56 31.4 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 12.992 ppbv

RT: 9.43 min Scan# 2019

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

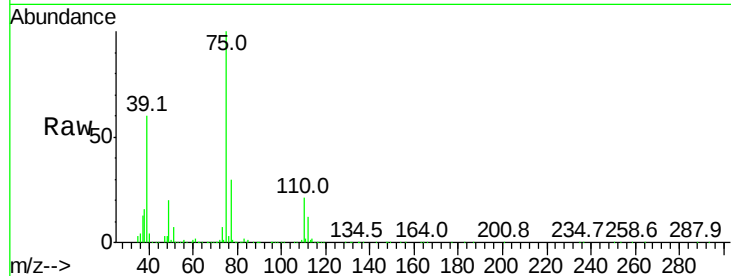
VSTDCCC010EC

Tgt Ion: 75 Resp: 1876568

Ion Ratio Lower Upper

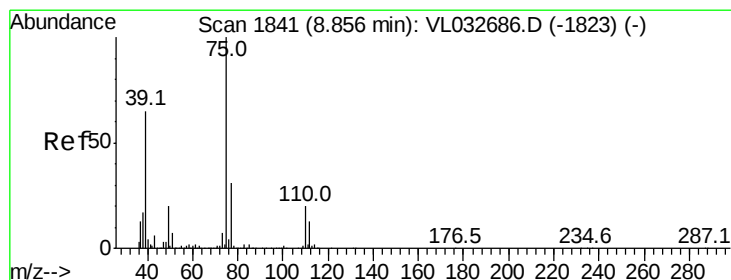
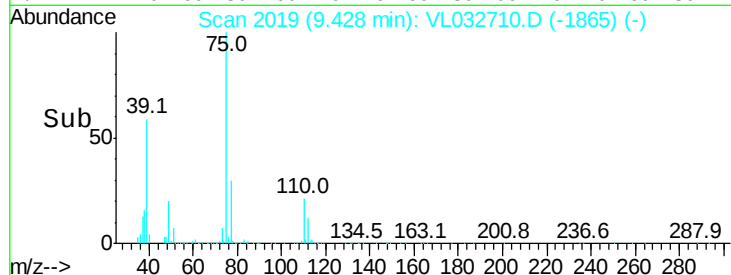
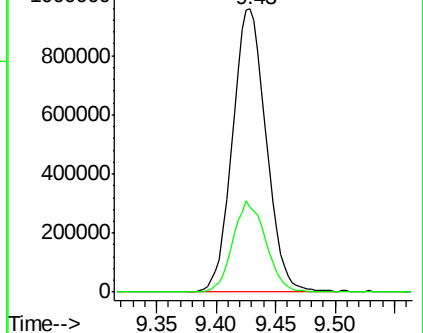
75 100

77 30.2 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.843 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

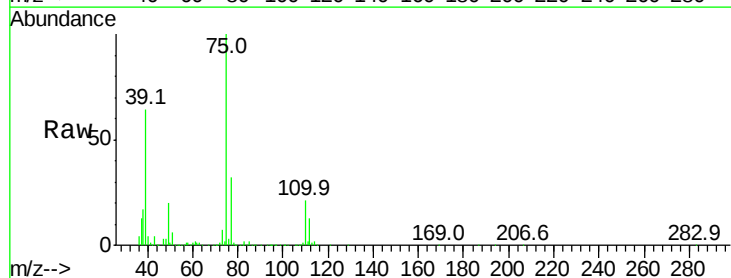
Tgt Ion: 75 Resp: 1954441

Ion Ratio Lower Upper

75 100

39 64.3 50.9 76.3

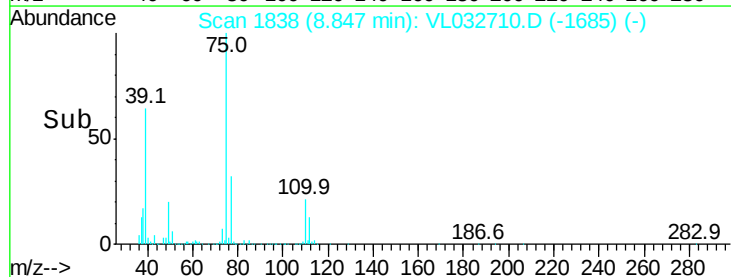
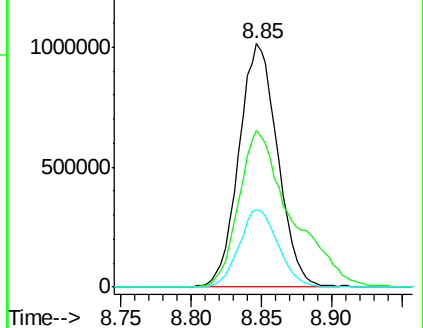
77 31.8 25.8 38.6

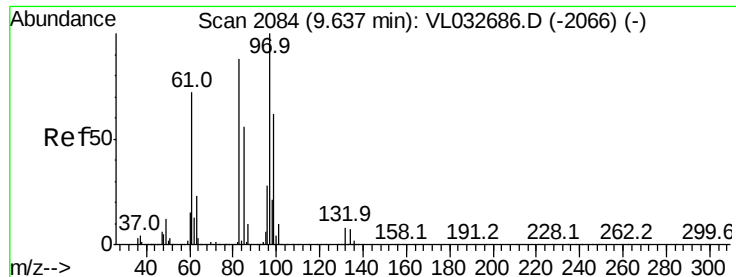


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 10.529 ppbv

RT: 9.63 min Scan# 2081

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1414455

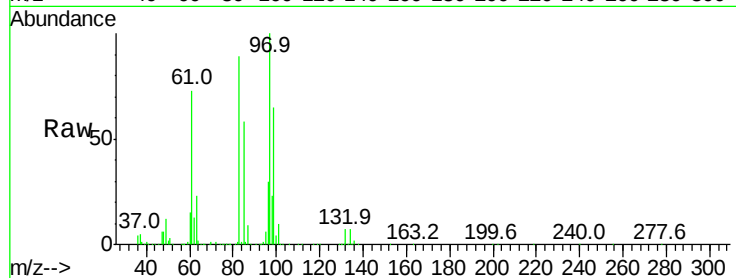
Ion Ratio Lower Upper

97 100

83 88.7 73.5 110.3

85 57.8 45.8 68.6

99 65.4 50.6 75.8

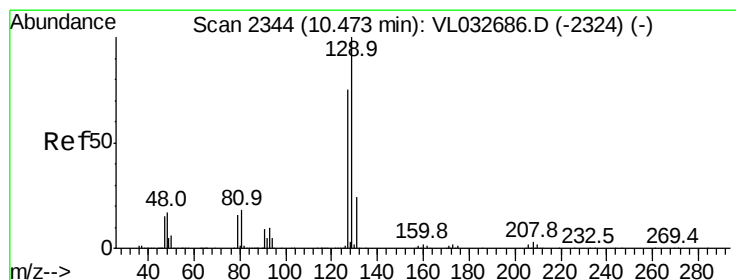
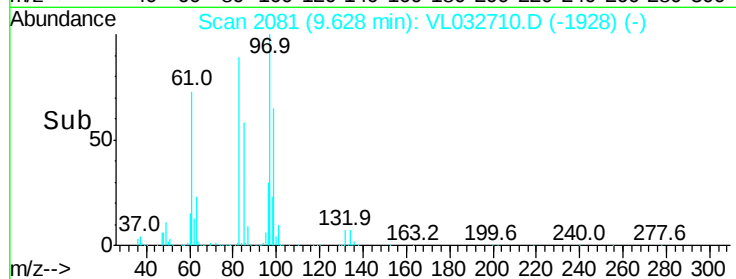
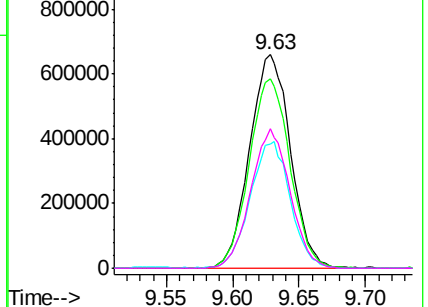


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.122 ppbv

RT: 10.47 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VL032710.D

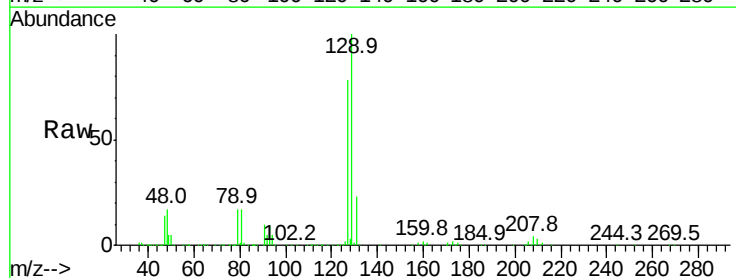
Acq: 31 Oct 2018 9:50

Tgt Ion: 129 Resp: 2490432

Ion Ratio Lower Upper

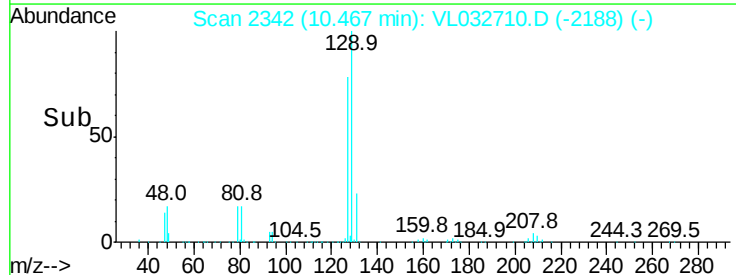
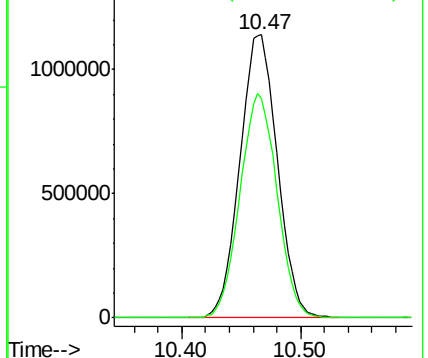
129 100

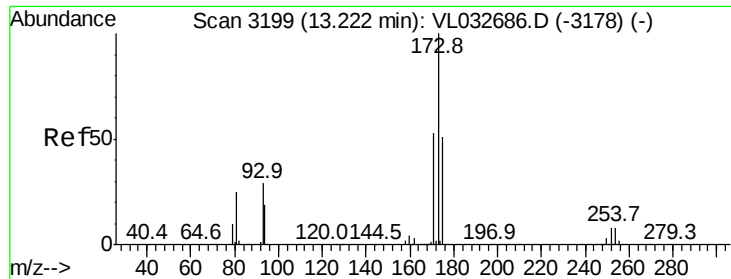
127 78.3 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.769 ppbv

RT: 13.22 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

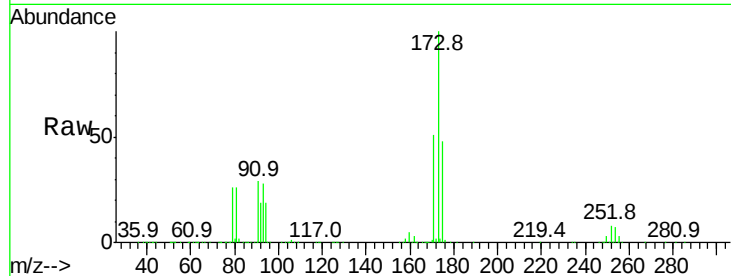
Tgt Ion:173 Resp: 1894874

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

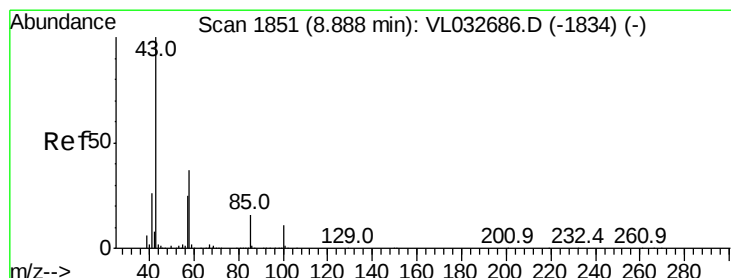
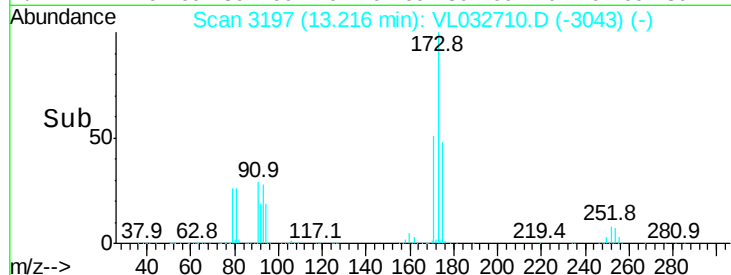
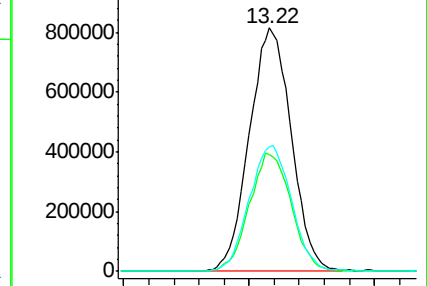
171 52.1 42.2 63.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.450 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. -0.00 min

Lab File: VL032710.D

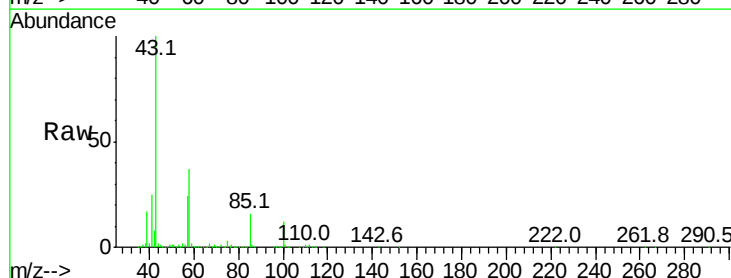
Acq: 31 Oct 2018 9:50

Tgt Ion: 43 Resp: 3009030

Ion Ratio Lower Upper

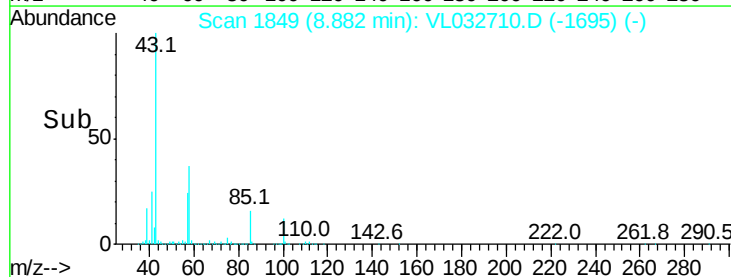
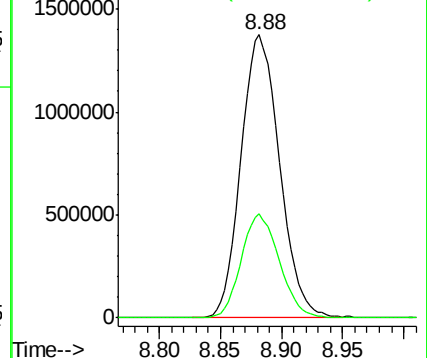
43 100

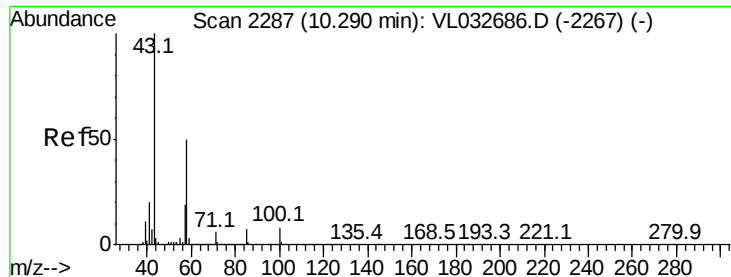
58 36.3 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.067 ppbv

RT: 10.28 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

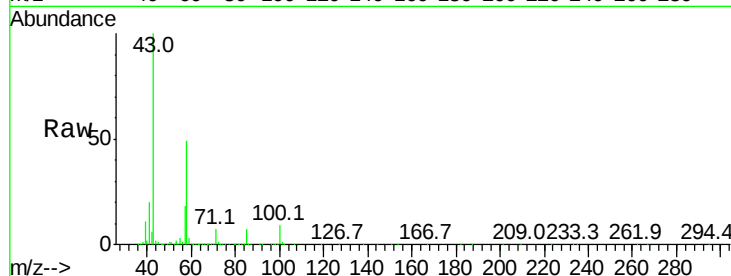
Tgt Ion: 43 Resp: 2582867

Ion Ratio Lower Upper

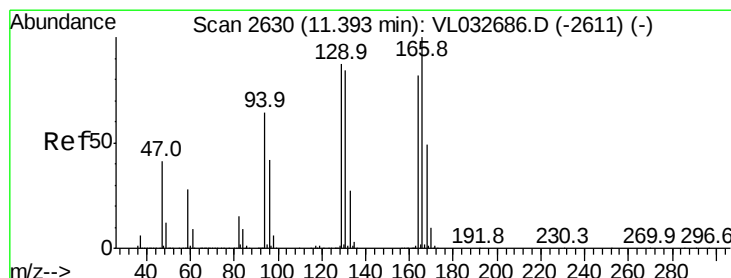
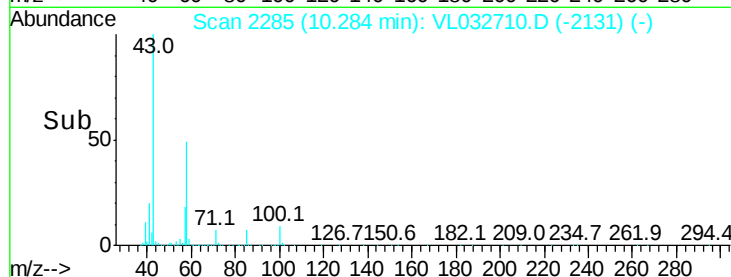
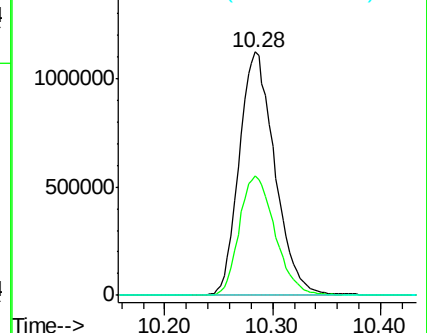
43 100

58 49.5 40.4 60.6

98 0.3 0.4 0.6#



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: 11.046 ppbv

RT: 11.39 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Tgt Ion: 164 Resp: 1133868

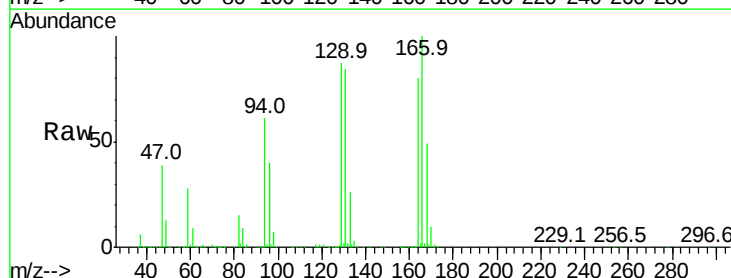
Ion Ratio Lower Upper

164 100

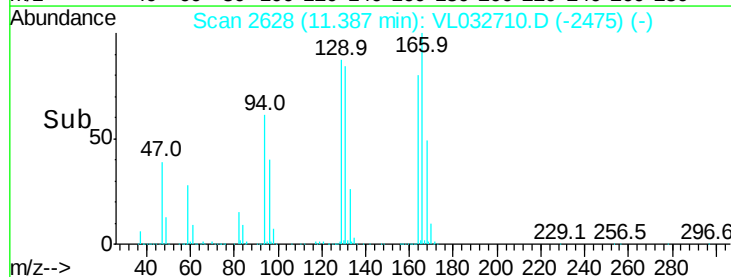
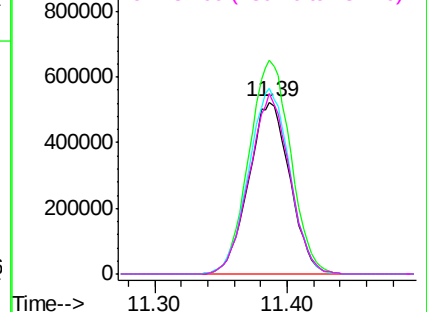
166 124.3 100.5 150.7

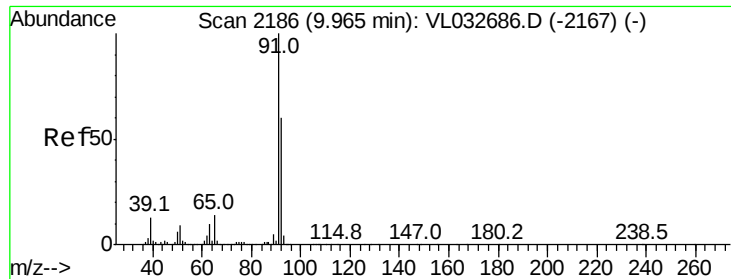
129 108.0 90.0 135.0

131 104.8 86.6 129.8



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: 11.757 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

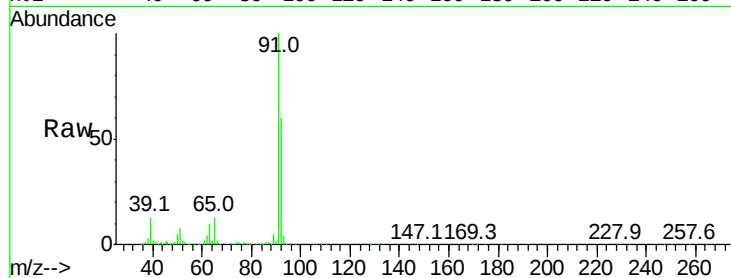
VSTDCCC010EC

Tgt Ion: 91 Resp: 3967891

Ion Ratio Lower Upper

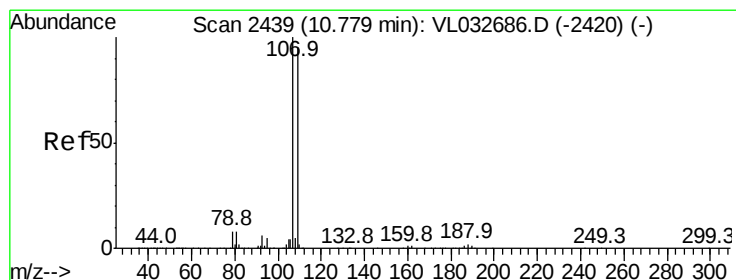
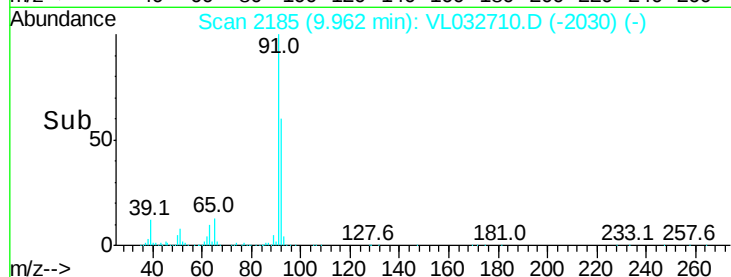
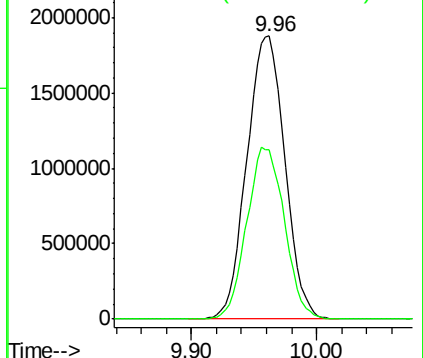
91 100

92 60.2 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.853 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032710.D

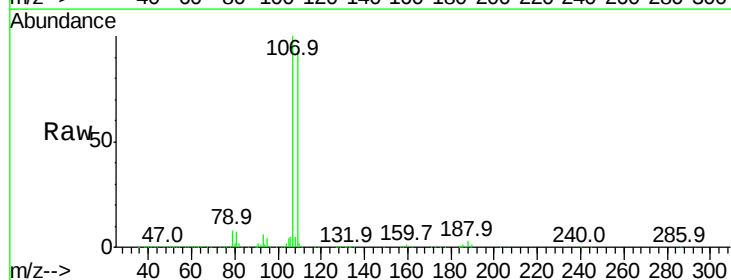
Acq: 31 Oct 2018 9:50

Tgt Ion: 107 Resp: 1981627

Ion Ratio Lower Upper

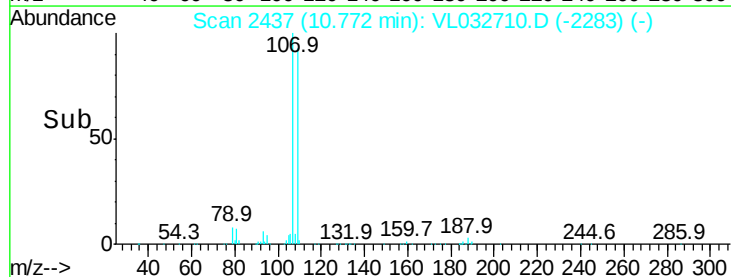
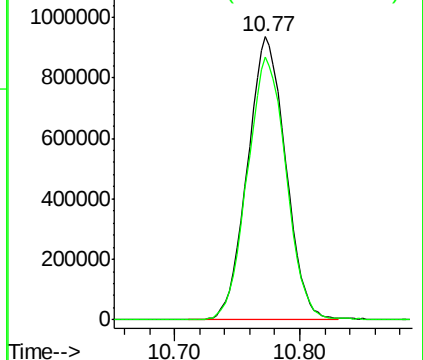
107 100

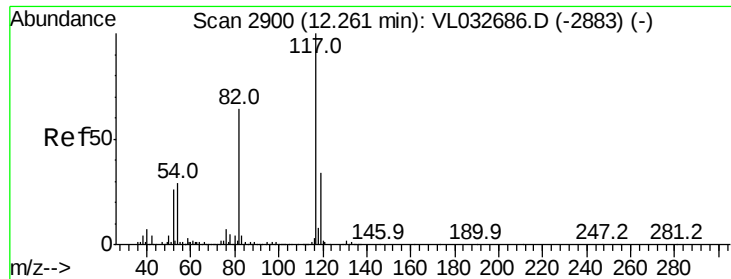
109 93.0 75.3 112.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

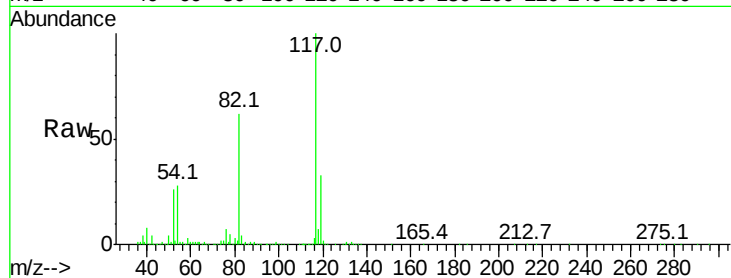
Tgt Ion:117 Resp: 4582078

Ion Ratio Lower Upper

117 100

82 50.3 52.7 79.1#

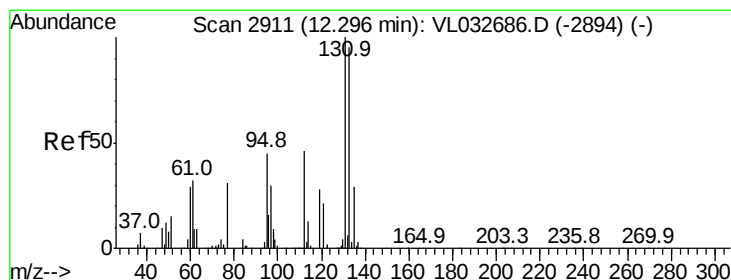
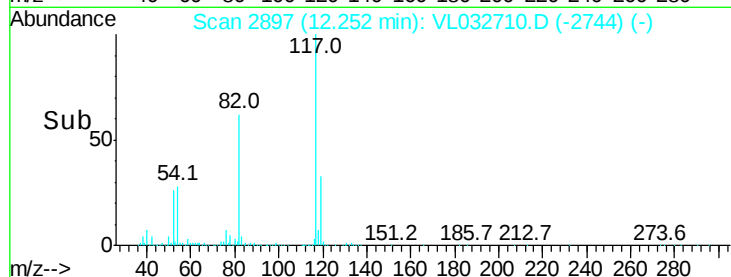
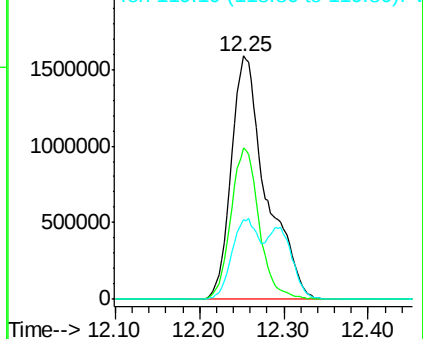
119 25.2 26.7 40.1#



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: 8.035 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

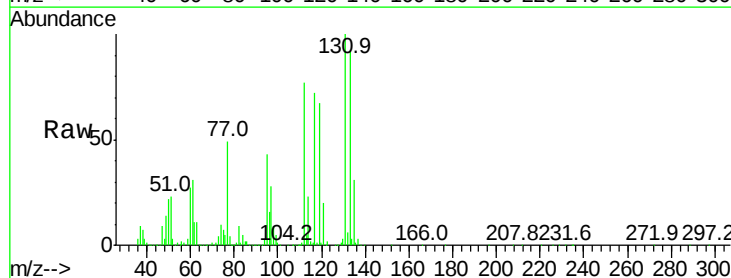
Tgt Ion:131 Resp: 1610013

Ion Ratio Lower Upper

131 100

133 95.1 75.4 113.2

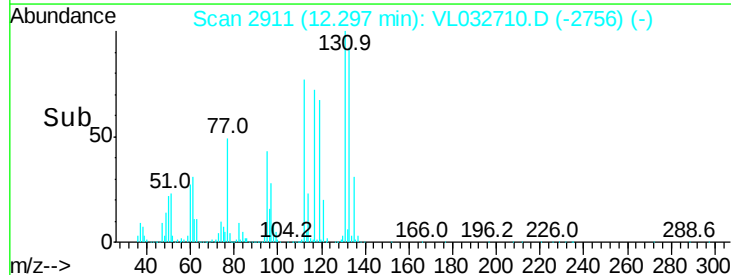
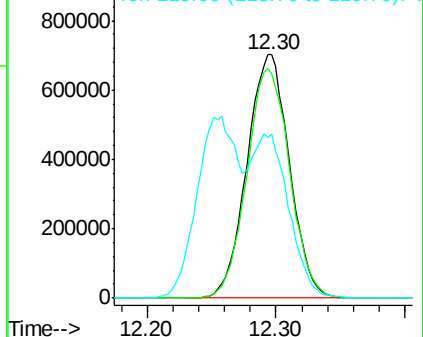
119 62.6 49.1 73.7

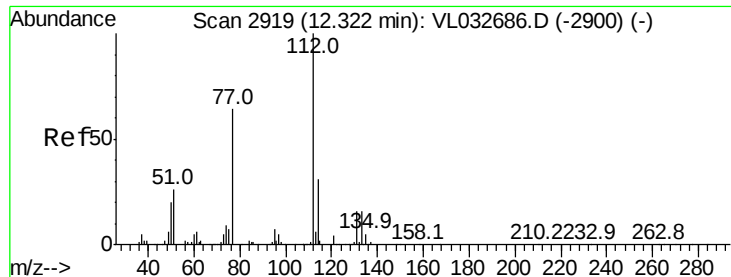


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

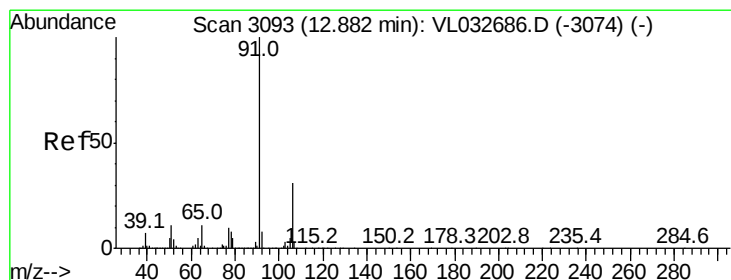
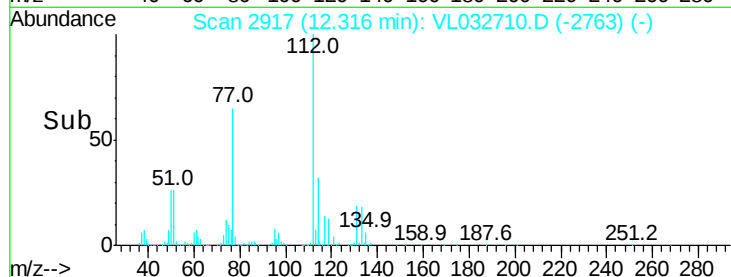
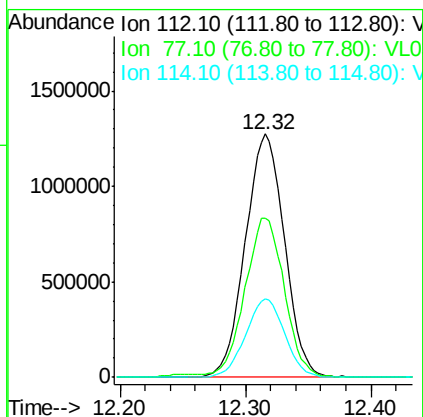
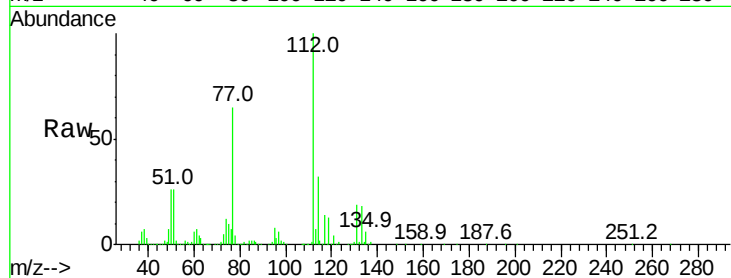




#57
Chlorobenzene
Concen: 8.217 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL032710.D
Acq: 31 Oct 2018 9:50

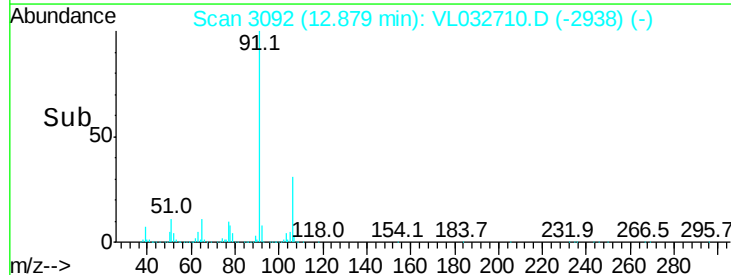
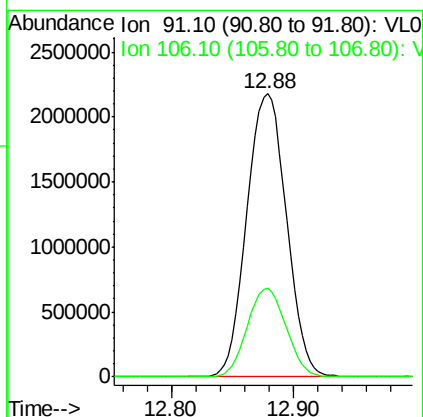
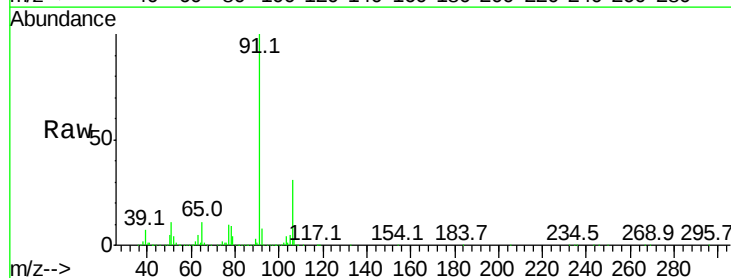
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

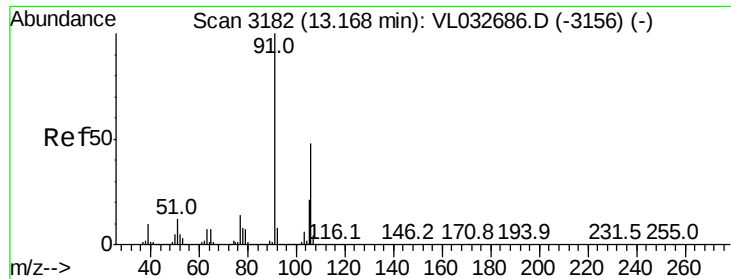
Tgt Ion: 112 Resp: 2768982
Ion Ratio Lower Upper
112 100
77 65.0 56.8 85.2
114 32.4 30.3 37.1



#58
Ethyl Benzene
Concen: 9.200 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. -0.00 min
Lab File: VL032710.D
Acq: 31 Oct 2018 9:50

Tgt Ion: 91 Resp: 4897239
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.2

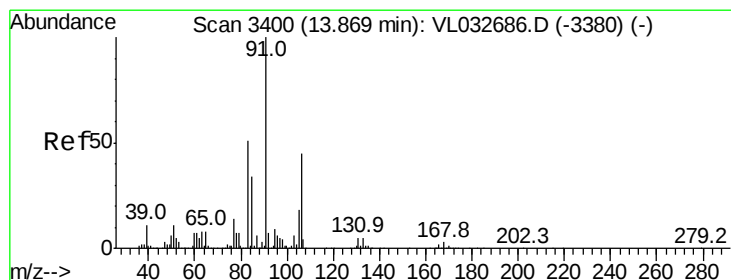
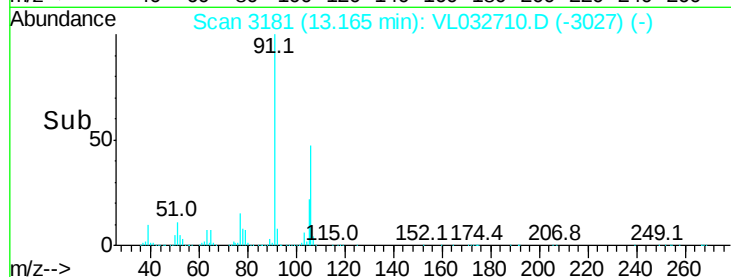
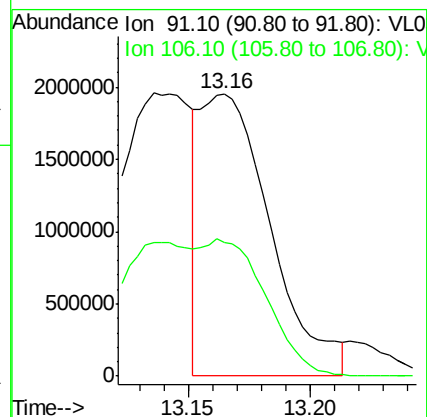
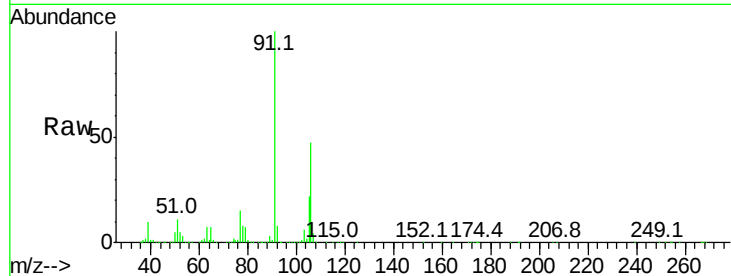




#59
m/p-Xylene
Concen: 8.185 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL032710.D
Acq: 31 Oct 2018 9:50

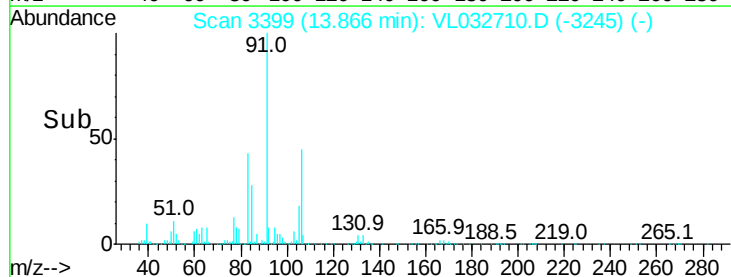
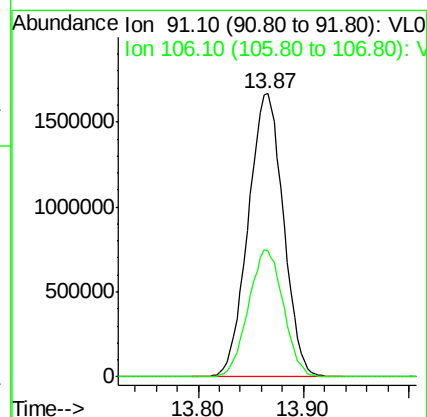
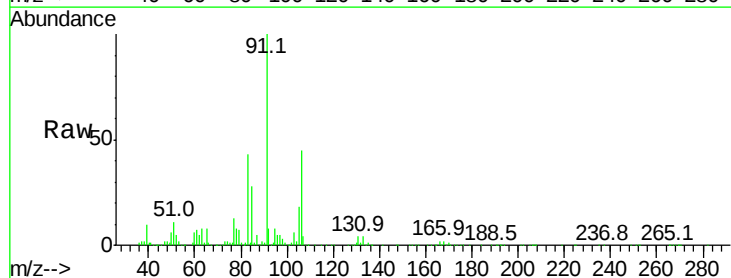
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

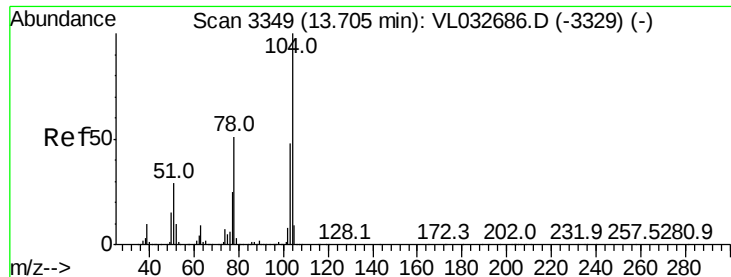
Tgt Ion: 91 Resp: 3879699
Ion Ratio Lower Upper
91 100
106 97.2 35.9 53.9#



#60
o-Xylene
Concen: 8.455 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032710.D
Acq: 31 Oct 2018 9:50

Tgt Ion: 91 Resp: 3866307
Ion Ratio Lower Upper
91 100
106 44.7 22.1 66.1





#61

Styrene

Concen: 9.860 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

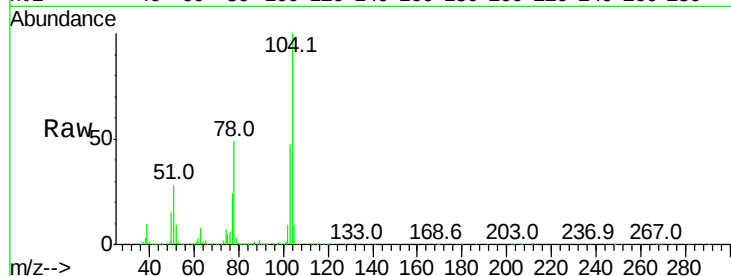
Tgt Ion:104 Resp: 3023084

Ion Ratio Lower Upper

104 100

78 50.3 42.8 64.2

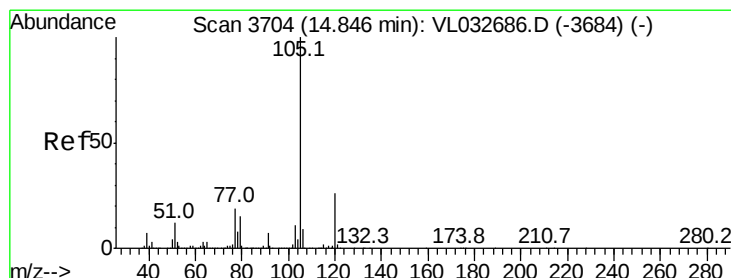
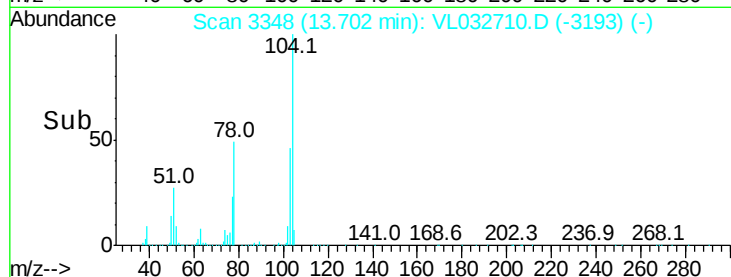
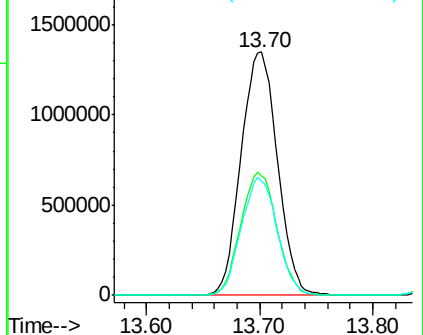
103 47.7 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.545 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VL032710.D

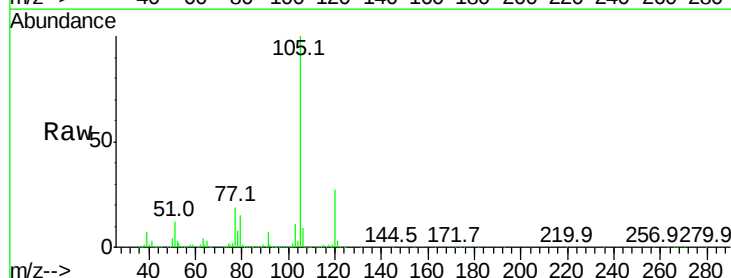
Acq: 31 Oct 2018 9:50

Tgt Ion:105 Resp: 5529727

Ion Ratio Lower Upper

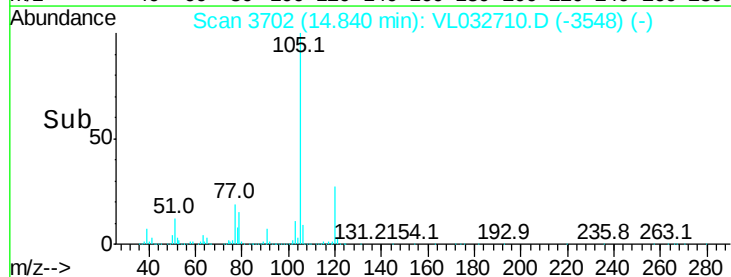
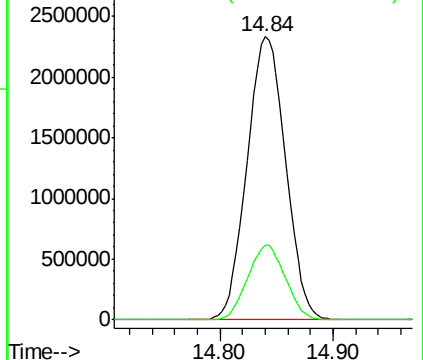
105 100

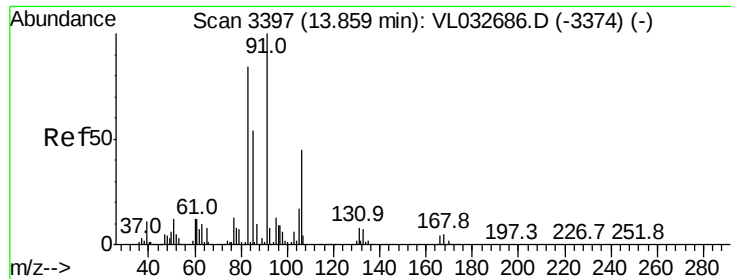
120 25.8 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

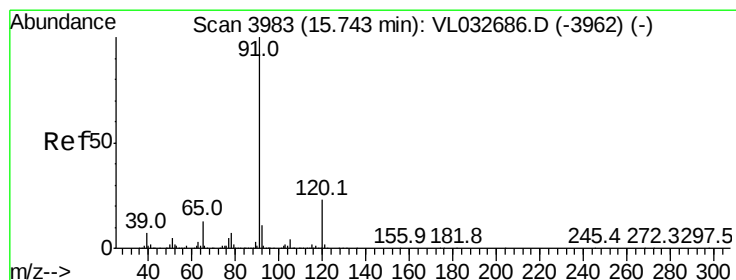
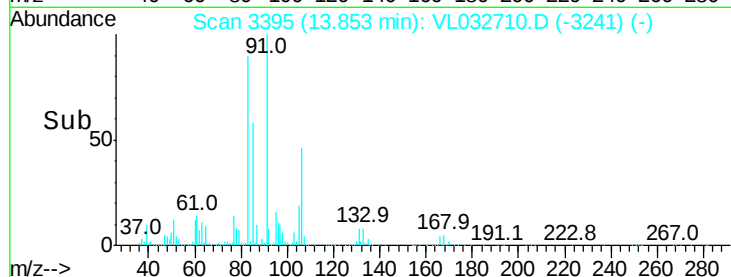
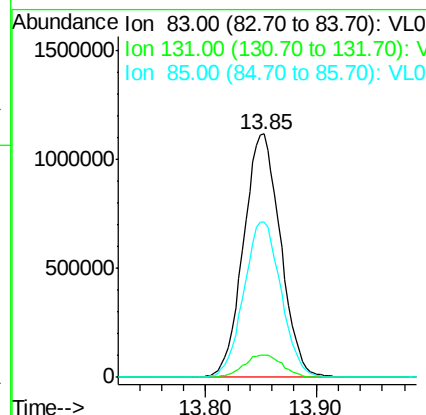
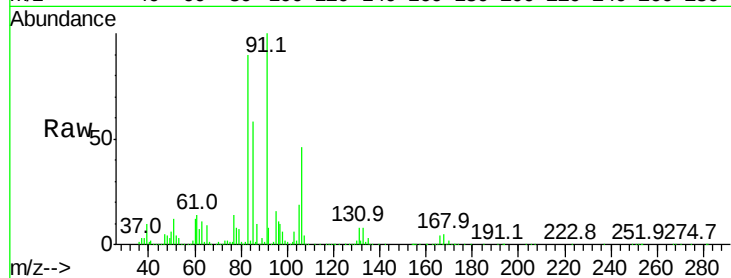




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.236 ppbv
 RT: 13.85 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

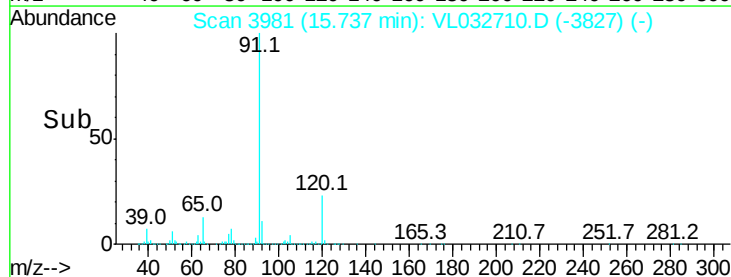
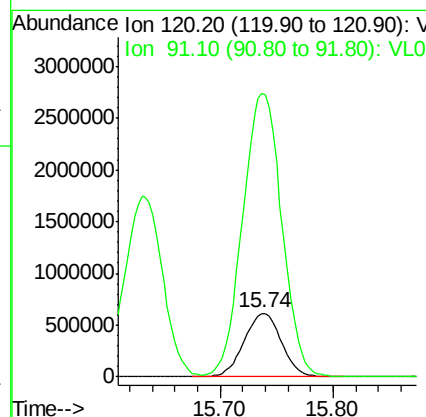
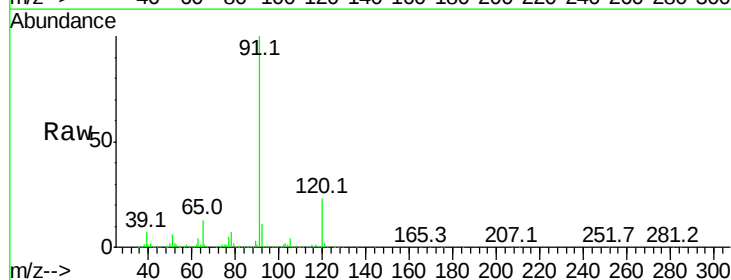
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

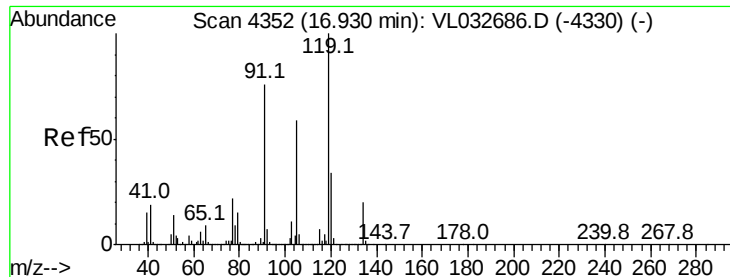
Tgt Ion: 83 Resp: 2592498
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.3 12.9
 85 64.7 32.3 96.9



#64
 n-propylbenzene
 Concen: 8.809 ppbv
 RT: 15.74 min Scan# 3981
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

Tgt Ion: 120 Resp: 1416757
 Ion Ratio Lower Upper
 120 100
 91 464.6 390.2 585.2

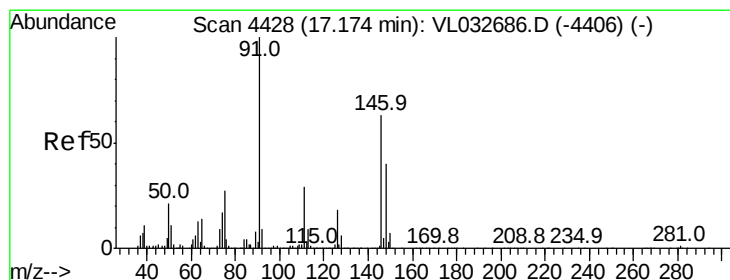
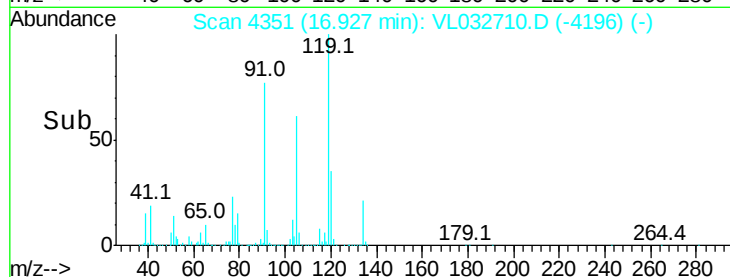
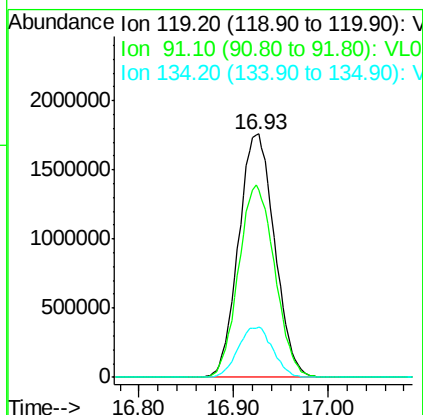
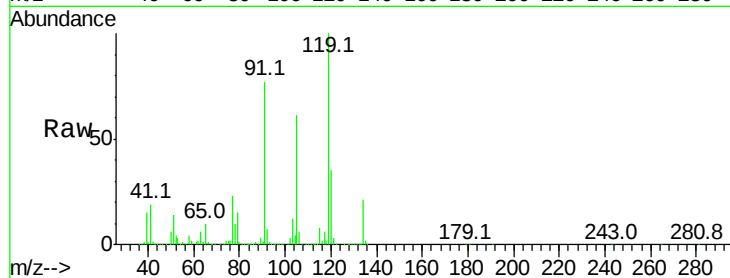




#65
 tert-Butylbenzene
 Concen: 8.438 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

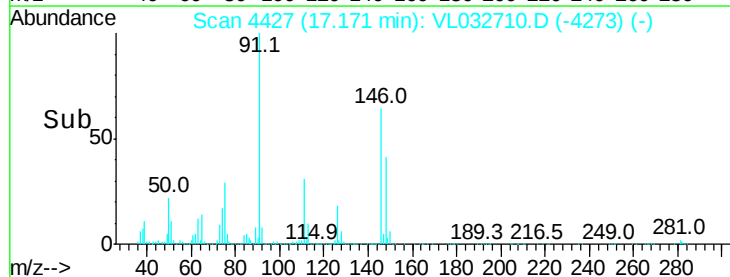
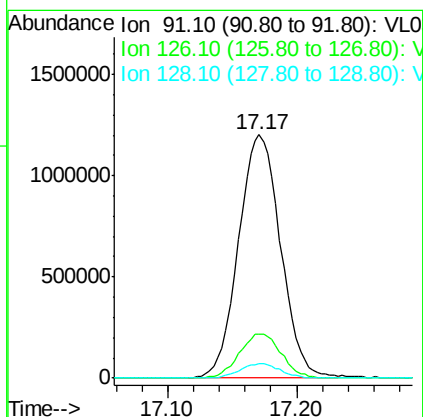
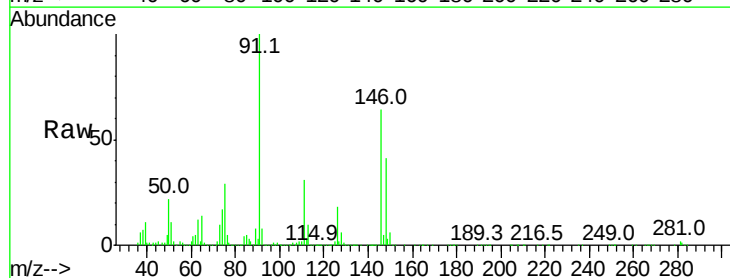
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

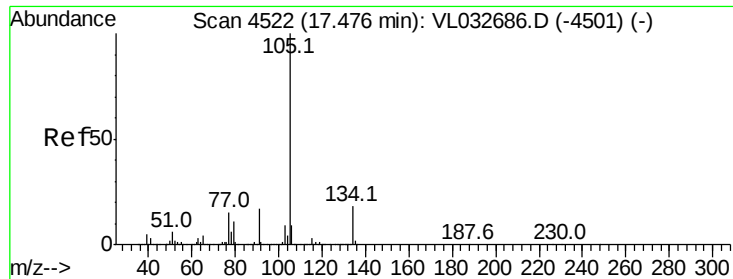
Tgt Ion: 119 Resp: 4650431
 Ion Ratio Lower Upper
 119 100
 91 79.4 67.8 101.8
 134 20.0 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.538 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

Tgt Ion: 91 Resp: 2714209
 Ion Ratio Lower Upper
 91 100
 126 18.3 13.9 20.9
 128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.324 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

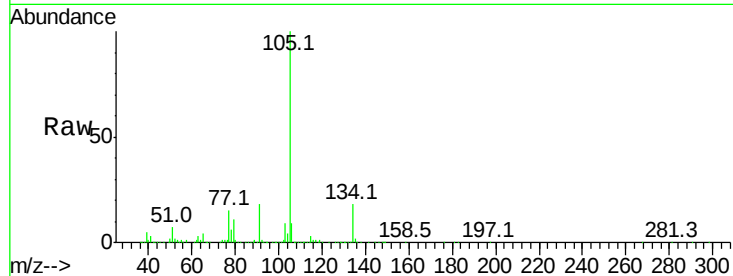
VSTDCCC010EC

Tgt Ion:105 Resp: 6525017

Ion Ratio Lower Upper

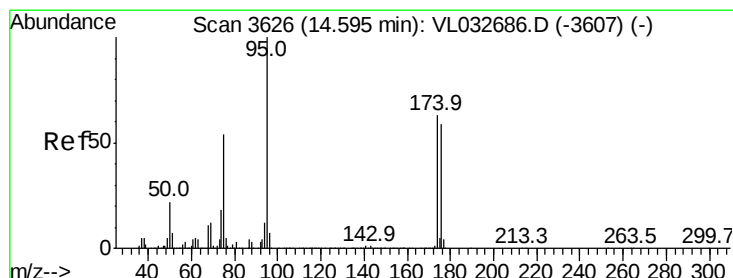
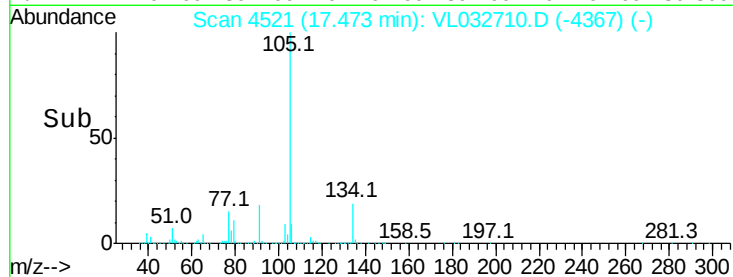
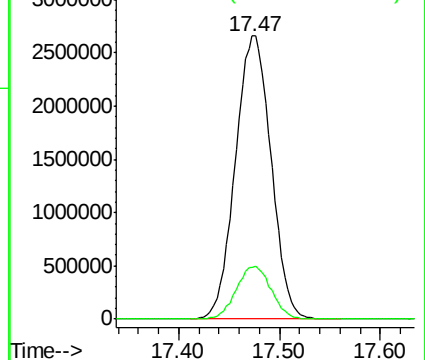
105 100

134 18.2 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.126 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

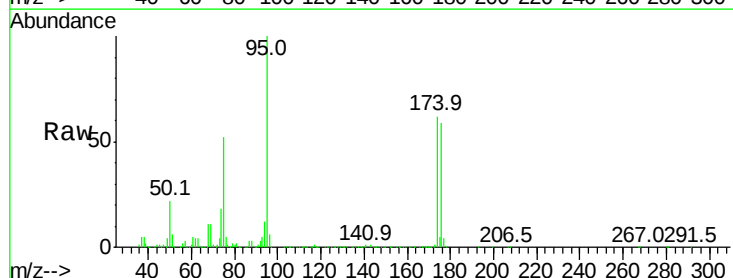
Tgt Ion: 95 Resp: 2772528

Ion Ratio Lower Upper

95 100

174 64.2 46.0 69.0

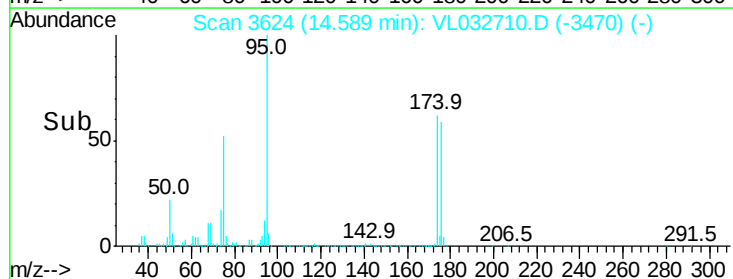
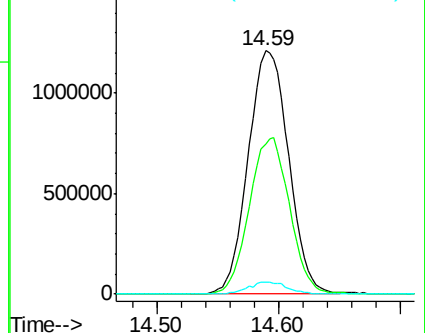
175 4.8 3.4 5.0

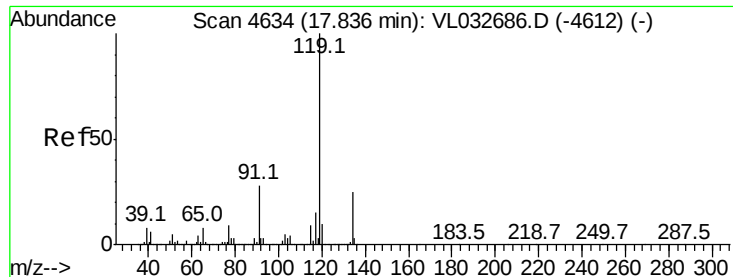


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

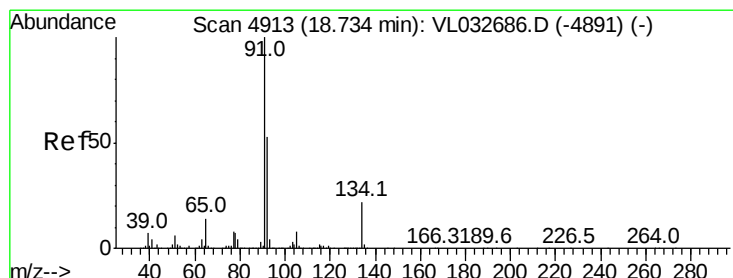
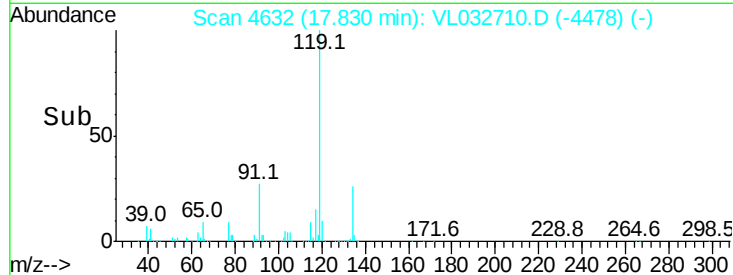
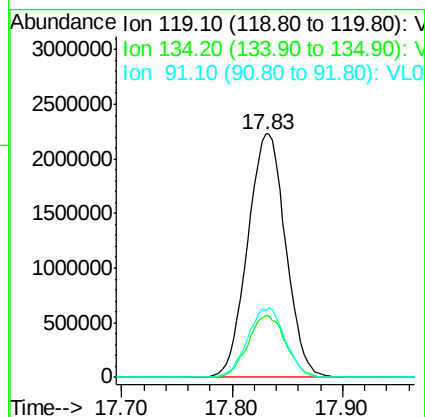
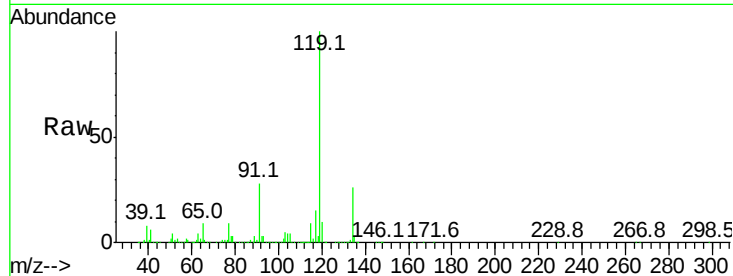




#69
 p-Isopropyltoluene
 Concen: 8.546 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

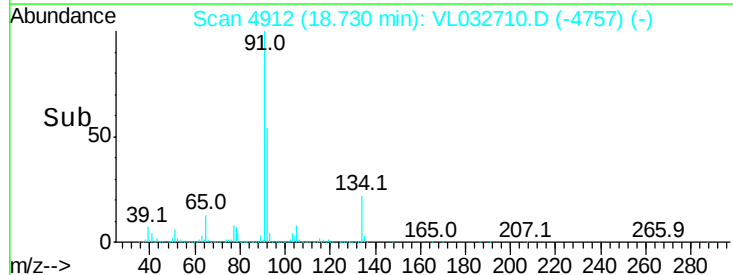
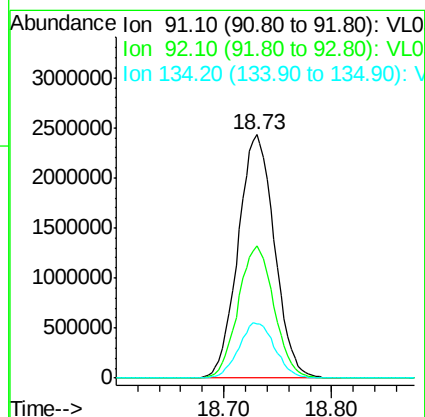
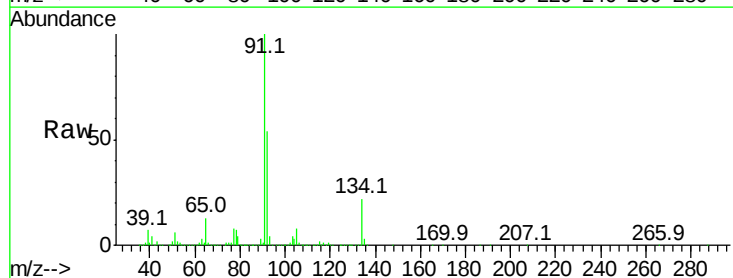
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

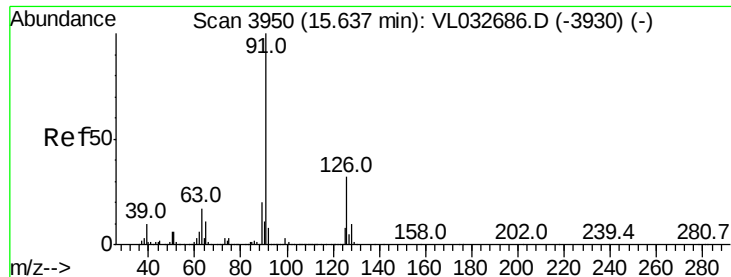
Tgt Ion: 119 Resp: 5308566
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.2 30.2
 91 28.2 24.0 36.0



#70
 n-Butylbenzene
 Concen: 8.884 ppbv
 RT: 18.73 min Scan# 4912
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

Tgt Ion: 91 Resp: 5681112
 Ion Ratio Lower Upper
 91 100
 92 53.7 43.0 64.4
 134 22.7 17.0 25.6





#71

2-Chlorotoluene

Concen: 8.816 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

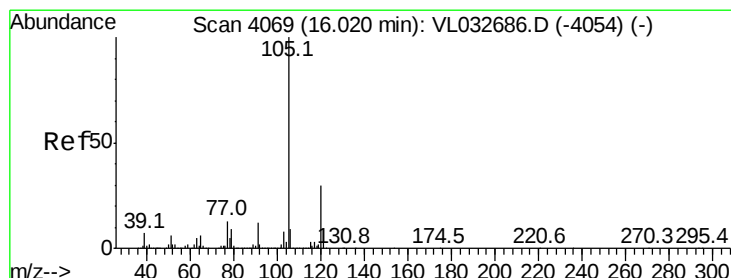
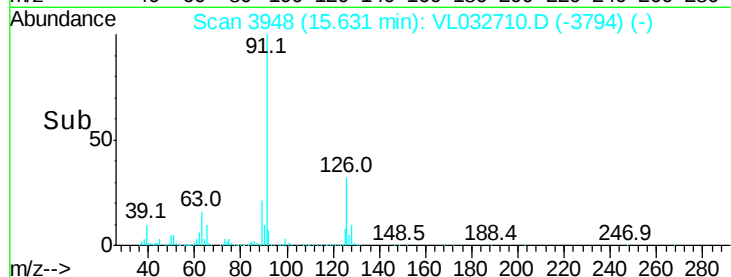
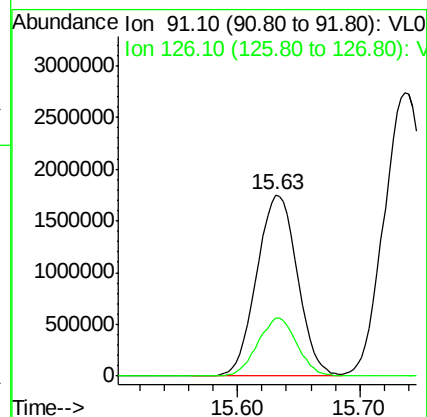
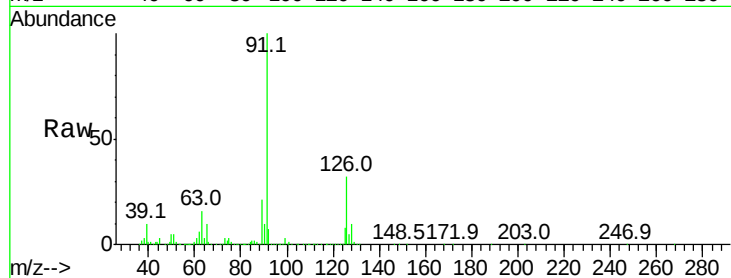
VSTDCCC010EC

Tgt Ion: 91 Resp: 4054484

Ion Ratio Lower Upper

91 100

126 31.0 11.8 47.4



#72

4-Ethyltoluene

Concen: 9.159 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Tgt Ion: 105 Resp: 4460404

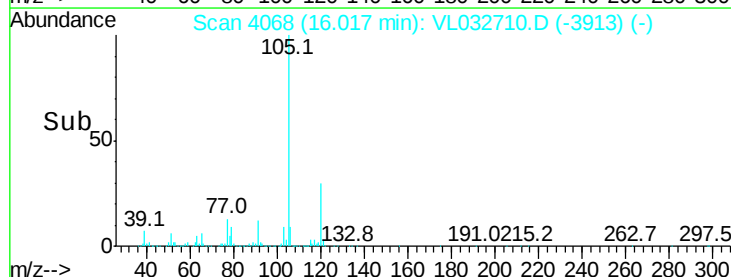
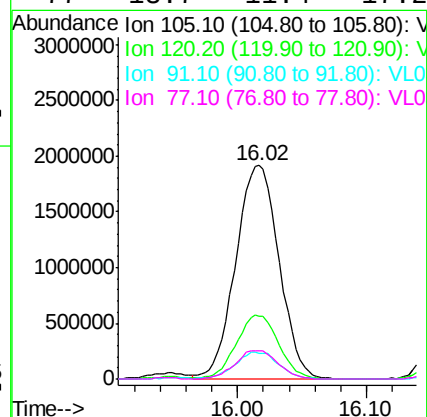
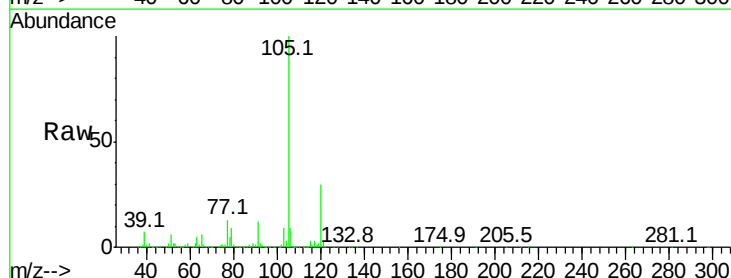
Ion Ratio Lower Upper

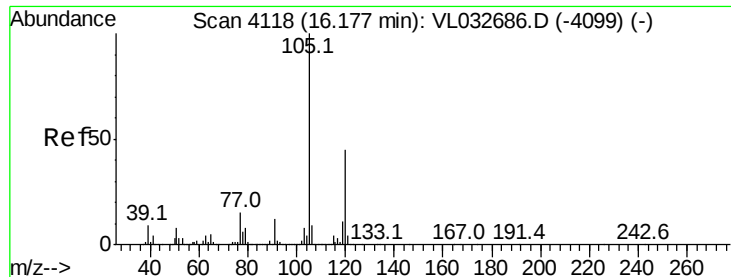
105 100

120 29.5 23.7 35.5

91 13.1 10.4 15.6

77 13.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 8.758 ppbv

RT: 16.17 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

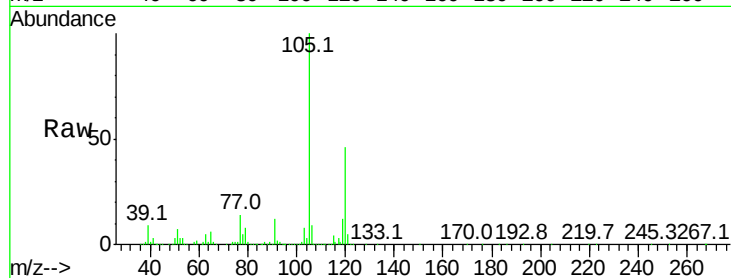
VSTDCCC010EC

Tgt Ion:105 Resp: 4154263

Ion Ratio Lower Upper

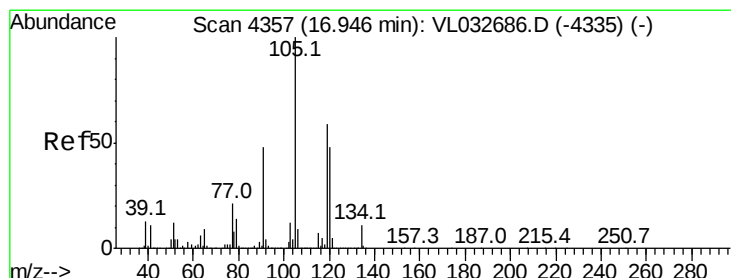
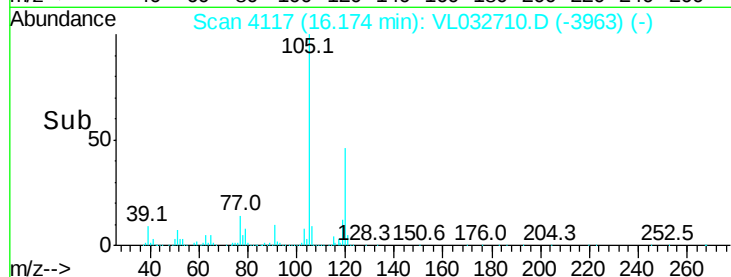
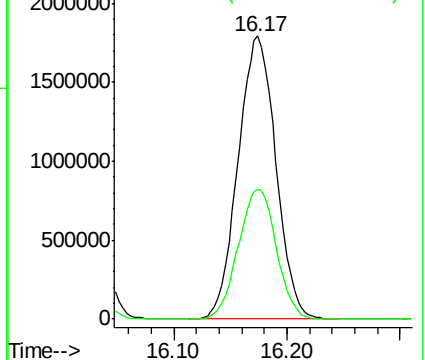
105 100

120 45.9 35.4 53.2



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: 8.271 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Tgt Ion:105 Resp: 4189985

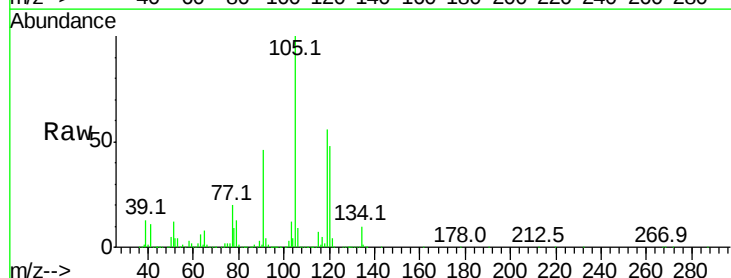
Ion Ratio Lower Upper

105 100

120 47.6 35.8 53.8

91 45.4 33.2 49.8

77 20.2 16.2 24.4

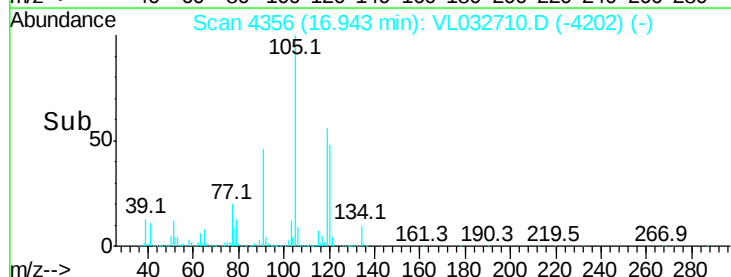
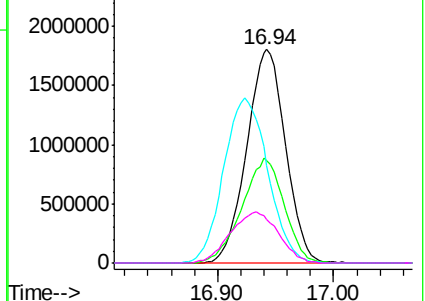


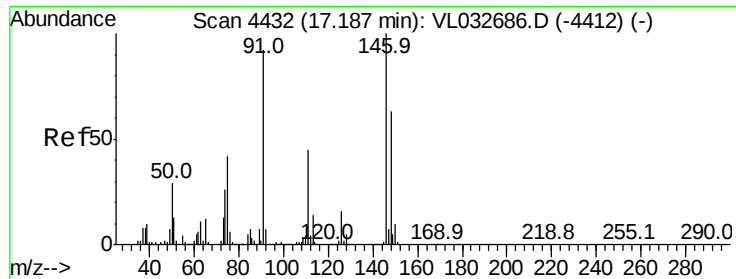
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.025 ppbv

RT: 17.18 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

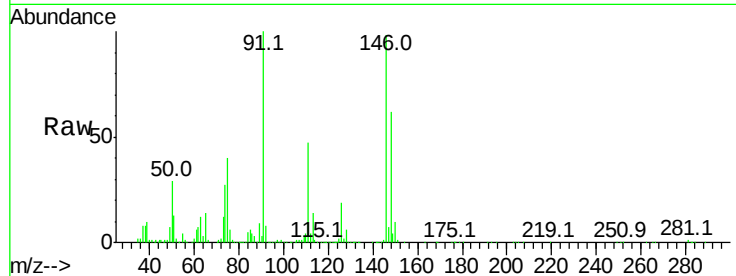
Tgt Ion:146 Resp: 2337532

Ion Ratio Lower Upper

146 100

111 47.3 24.4 73.2

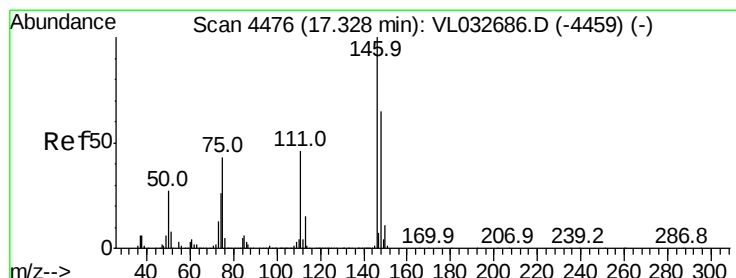
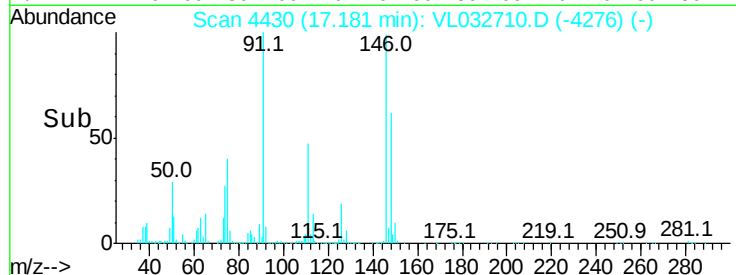
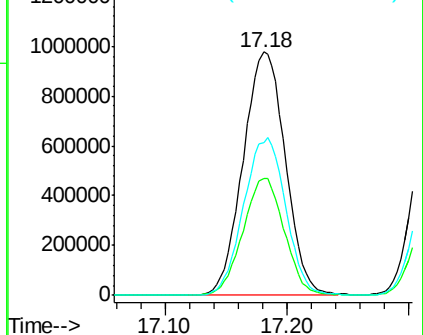
148 64.9 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.662 ppbv

RT: 17.32 min Scan# 4474

Delta R.T. -0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

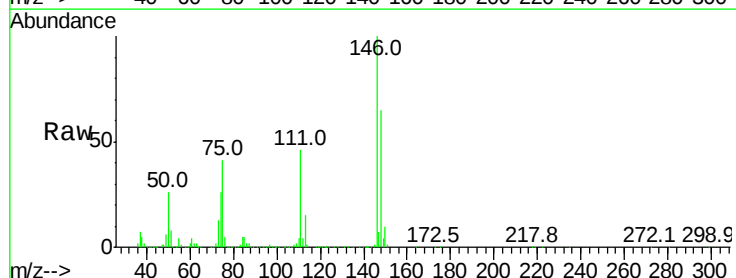
Tgt Ion:146 Resp: 2328478

Ion Ratio Lower Upper

146 100

111 45.5 23.7 71.1

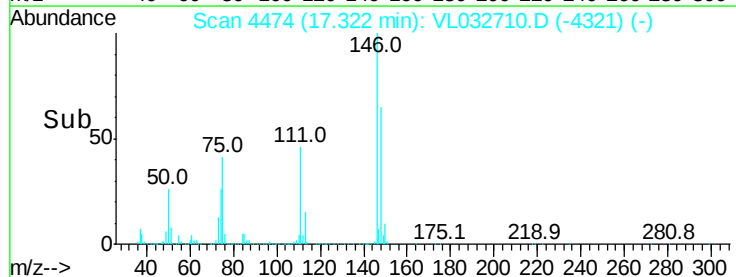
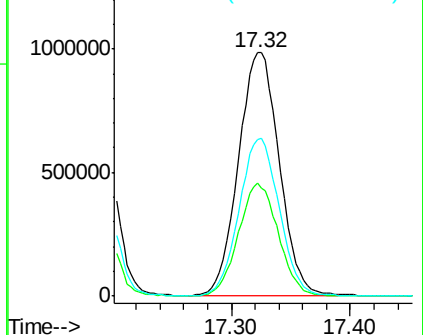
148 64.4 32.1 96.3

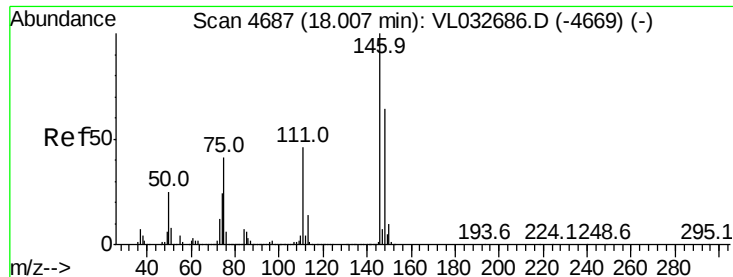


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.006 ppbv

RT: 18.00 min Scan# 4686

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

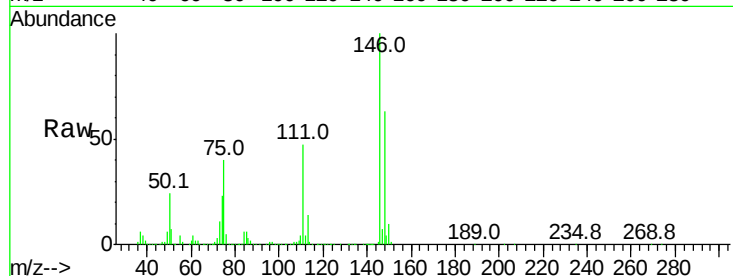
Tgt Ion:146 Resp: 2209525

Ion Ratio Lower Upper

146 100

111 48.4 25.3 75.8

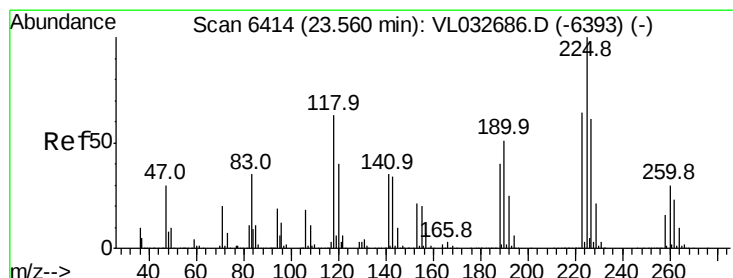
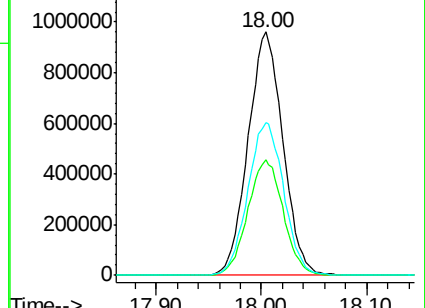
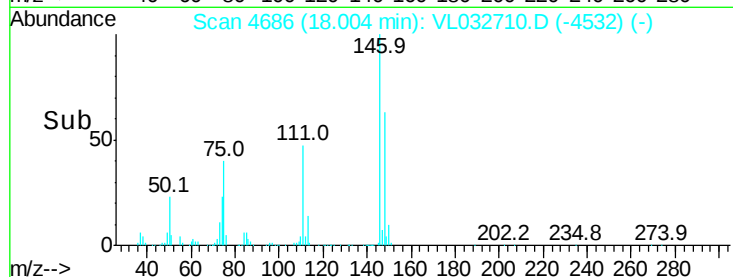
148 64.8 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 10.604 ppbv

RT: 23.56 min Scan# 6414

Delta R.T. 0.01 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

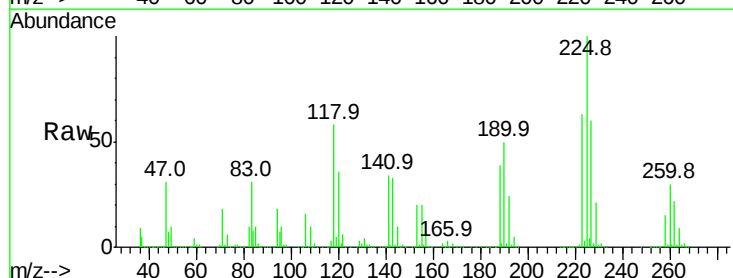
Tgt Ion:225 Resp: 1382785

Ion Ratio Lower Upper

225 100

223 64.5 50.7 76.1

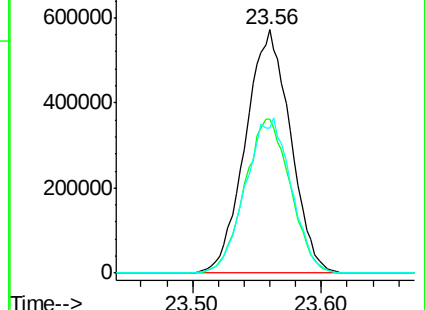
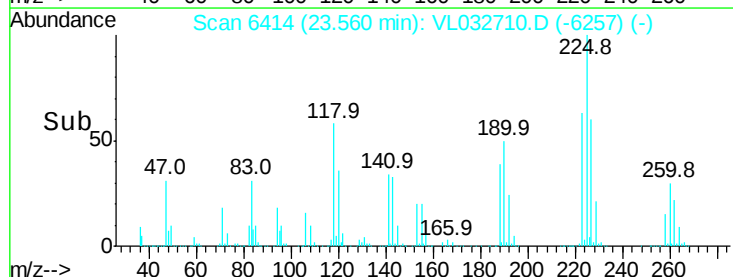
227 64.8 50.7 76.1

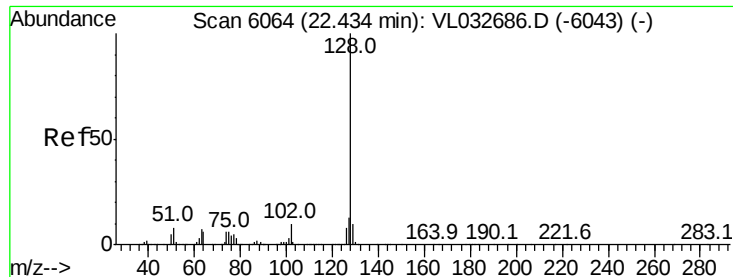


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.199 ppbv

RT: 22.43 min Scan# 6063

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

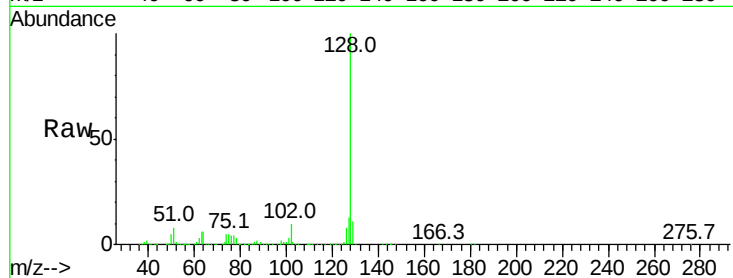
Tgt Ion:128 Resp: 3526251

Ion Ratio Lower Upper

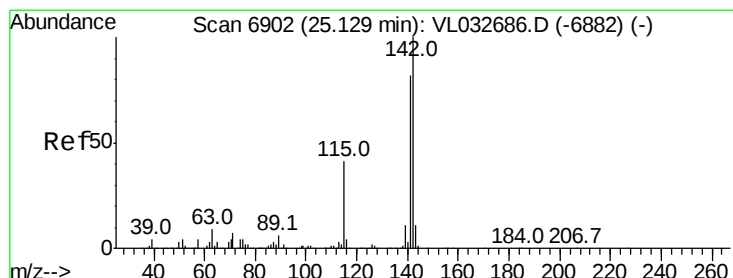
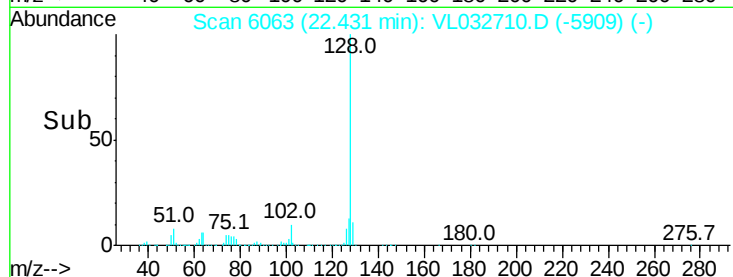
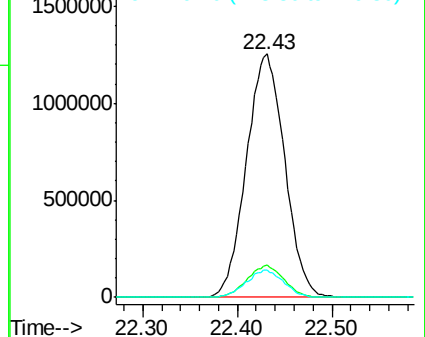
128 100

127 13.1 10.3 15.5

129 11.3 8.6 13.0



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: 19.151 ppbv

RT: 25.13 min Scan# 6901

Delta R.T. -0.00 min

Lab File: VL032710.D

Acq: 31 Oct 2018 9:50

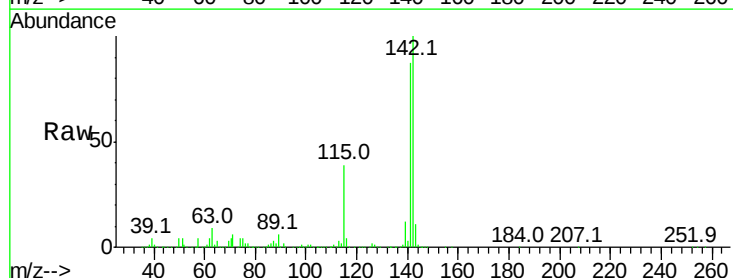
Tgt Ion:142 Resp: 1466299

Ion Ratio Lower Upper

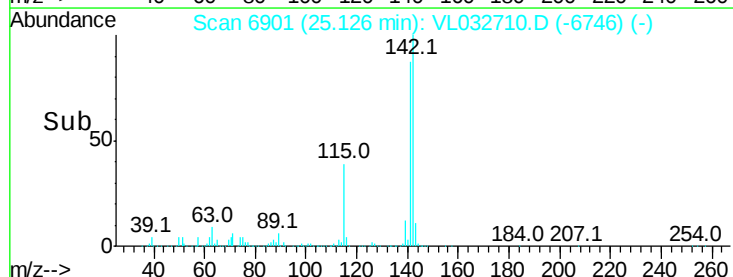
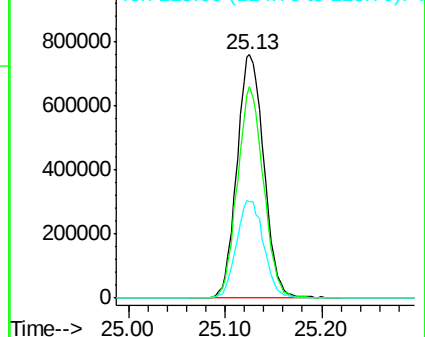
142 100

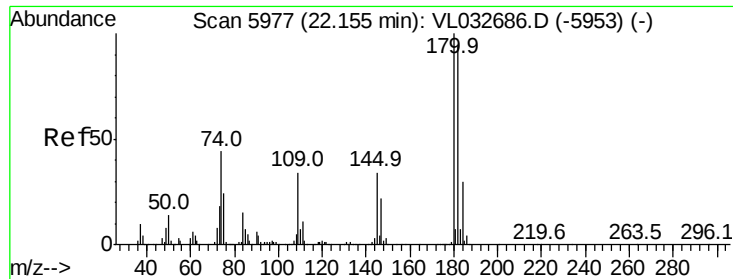
141 84.2 67.5 101.3

115 40.7 33.5 50.3



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

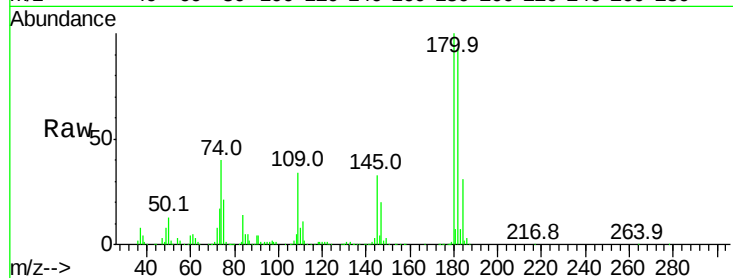




#81
 1,2,4-Trichlorobenzene
 Concen: 10.504 ppbv
 RT: 22.15 min Scan# 5977
 Delta R.T. -0.00 min
 Lab File: VL032710.D
 Acq: 31 Oct 2018 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1712864
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.5 114.7
 184 30.6 24.7 37.1



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

