

Data File : VL032712.D
Acq On : 7 Nov 2018 10:45
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 07 13:44:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-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)
1) Bromochloromethane	5.78	49	1624542	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4045735	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4950738	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2954854	8.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2060265	12.447	ppbv	98
3) Chlorodifluoromethane	3.02	51	1210963	9.532	ppbv	100
4) Chloromethane	3.18	50	689060	9.705	ppbv	100
5) Vinyl Chloride	3.30	62	716539	9.317	ppbv	97
6) Bromomethane	3.53	94	441535	9.208	ppbv	91
7) Chloroethane	3.61	64	254911	9.002	ppbv	96
8) Dichlorotetrafluoroethane	3.23	85	1634627	9.370	ppbv	92
9) Propene	3.05	41	537107	10.273	ppbv	100
10) Heptane	8.26	43	2077707	10.312	ppbv	99
11) Trichlorofluoromethane	4.01	101	1810480	8.374	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1578706	8.781	ppbv	91
13) Ethanol	3.66	45	138480	9.267	ppbv	98
14) Bromoethene	3.80	108	570462	9.388	ppbv	99
15) Acetone	3.91	43	1210057	8.066	ppbv	99
16) 1,3-Butadiene	3.37	39	634412	11.496	ppbv #	76
17) tert-Butyl alcohol	4.37	59	549060	12.445	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	860556	10.895	ppbv	96
19) Isopropyl Alcohol	4.04	45	909579	8.514	ppbv #	97
20) Methylene Chloride	4.42	84	722962	9.494	ppbv	93
21) Allyl Chloride	4.49	41	1404332	11.402	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	829466	10.238	ppbv	90
23) Vinyl Acetate	5.17	43	2883839	10.849	ppbv	98
24) 1,1-Dichloroethane	5.11	63	2074549	9.942	ppbv	99
25) Ethyl Acetate	5.78	43	3464957	10.035	ppbv	99
26) Hexane	5.80	57	1607288	9.838	ppbv	98
27) Carbon Disulfide	4.63	76	2124181	10.718	ppbv	98
28) Methyl tert-Butyl Ether	5.13	73	2606152	11.099	ppbv	100
29) Chloroform	5.86	83	2651313	10.159	ppbv	98
30) Cyclohexane	7.26	84	1433200	11.082	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1605855	10.600	ppbv	99
32) 1,1,1-Trichloroethane	6.64	97	2655528	10.013	ppbv	98
34) 2-Butanone	5.34	43	2244808	10.350	ppbv	100
35) Carbon Tetrachloride	7.15	117	2838967	9.887	ppbv	99
36) Benzene	7.02	78	3393288	10.329	ppbv	100
37) 1,2-Dichloroethane	6.43	62	2023724	10.043	ppbv	98
38) Trichloroethene	7.98	130	1316589	10.826	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1296714	10.221	ppbv	99
40) 1,4-Dioxane	7.97	88	464161	10.713	ppbv #	100
41) Tetrahydrofuran	6.16	42	1364693	11.292	ppbv	99
42) Bromodichloromethane	7.93	83	2854033	10.109	ppbv	100
43) Methyl Methacrylate	8.15	69	1351083	11.221	ppbv	96

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Quant Time: Nov 07 13:44:10 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	8.01	57	5630956	10.040	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1951975	12.111	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	2297523	12.477	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1481683	9.884	ppbv	98
48) Dibromochloromethane	10.47	129	2439159	9.762	ppbv	100
49) Bromoform	13.22	173	2042650	10.403	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3532717	10.995	ppbv	99
51) 2-Hexanone	10.29	43	2518160	10.543	ppbv #	98
52) Tetrachloroethene	11.39	164	1176634	10.273	ppbv	94
53) Toluene	9.96	91	3923361	10.418	ppbv	99
54) 1,2-Dibromoethane	10.78	107	2099581	10.305	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1756693	8.115	ppbv	100
57) Chlorobenzene	12.32	112	2935250	8.062	ppbv	92
58) Ethyl Benzene	12.88	91	5252595	9.133	ppbv	99
59) m/p-Xylene	13.16	91	4436521	8.662	ppbv #	31
60) o-Xylene	13.87	91	4153776	8.408	ppbv	100
61) Styrene	13.70	104	3180047	9.600	ppbv	97
62) Isopropylbenzene	14.84	105	5838404	8.350	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2780886	7.184	ppbv	98
64) n-propylbenzene	15.74	120	1486940	8.557	ppbv	94
65) tert-Butylbenzene	16.93	119	5271949	8.853	ppbv	97
66) Benzyl Chloride	17.17	91	3105912	10.102	ppbv	99
67) sec-Butylbenzene	17.47	105	6912870	8.162	ppbv	99
69) p-Isopropyltoluene	17.83	119	5621547	8.376	ppbv	99
70) n-Butylbenzene	18.73	91	6107689	8.840	ppbv	99
71) 2-Chlorotoluene	15.63	91	4375574	8.805	ppbv	99
72) 4-Ethyltoluene	16.02	105	4712490	8.956	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4393026	8.571	ppbv	96
74) 1,2,4-Trimethylbenzene	16.94	105	4756178	8.690	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2669107	8.481	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2633918	9.069	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2361266	7.919	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1545336	10.969	ppbv	100
79) Naphthalene	22.43	128	3712881	10.914	ppbv	100
80) Naphthalene, 2-methyl-	25.13	142	1368241	16.540	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1771133	10.053	ppbv	100

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

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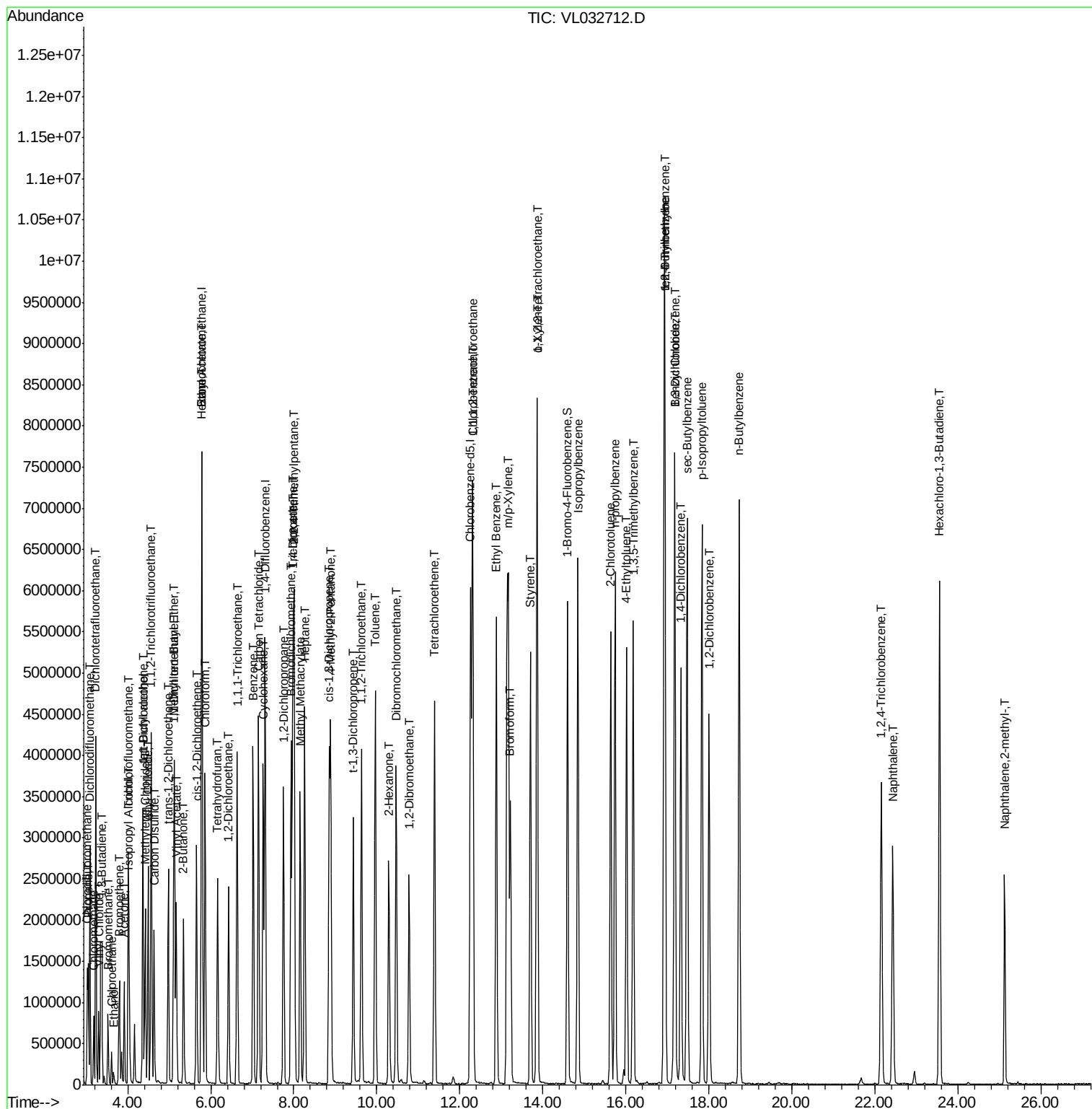
Quant Time: Nov 07 13:44:10 2018

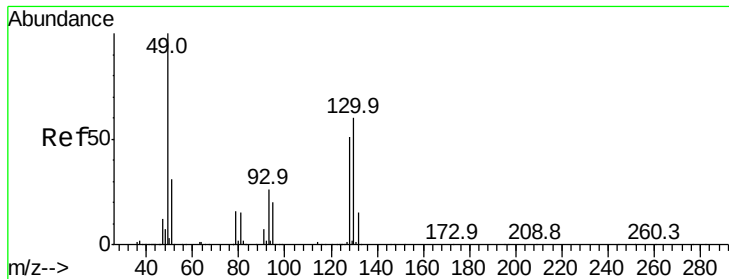
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL101818AIR.M

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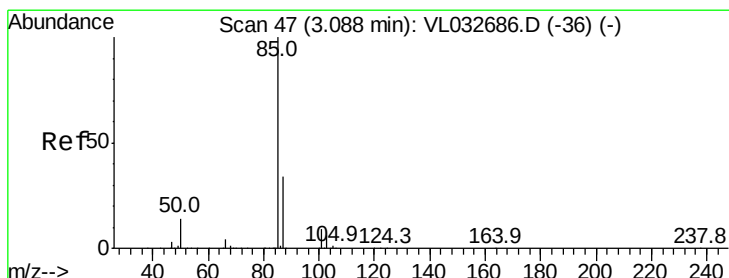
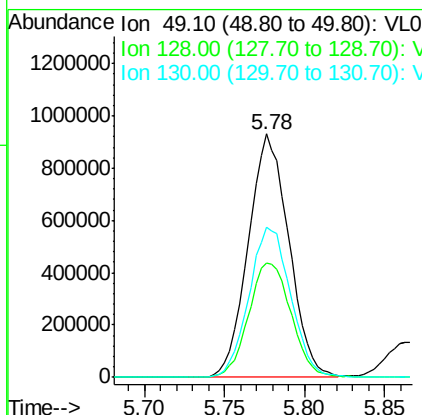
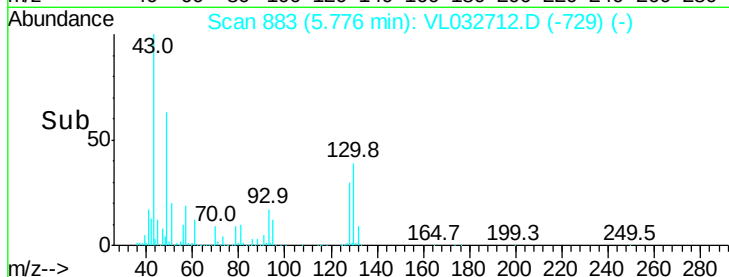
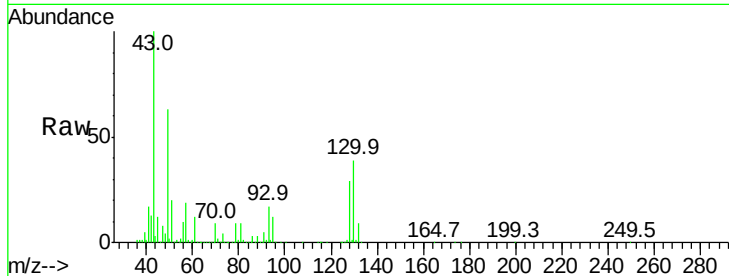




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.78 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

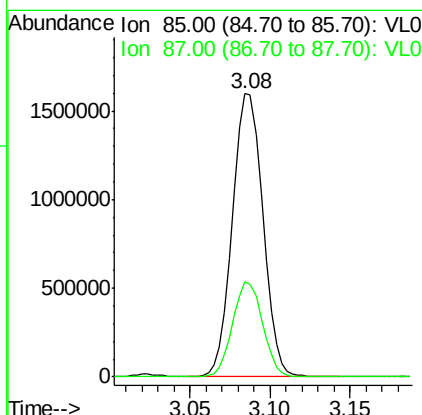
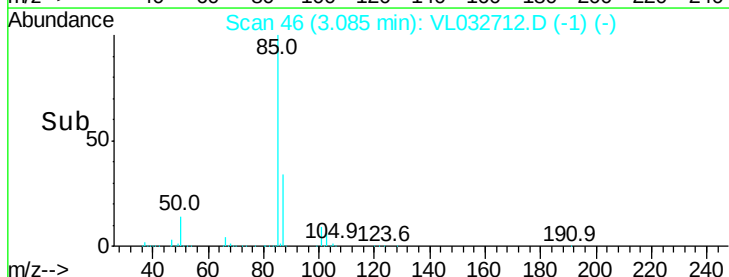
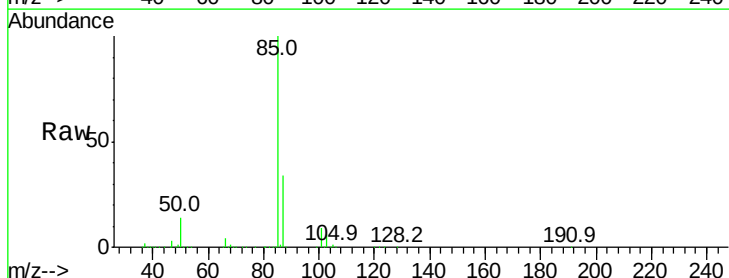
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

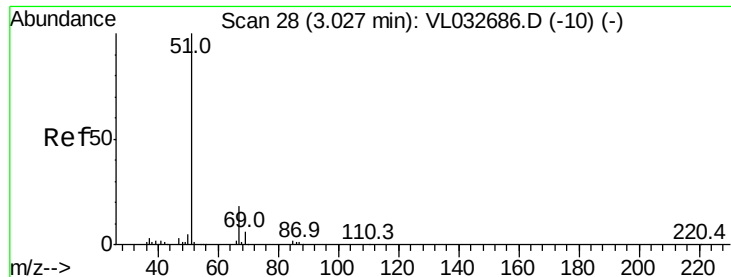
Tgt Ion:	49	Resp:	1624542
Ion	Ratio	Lower	Upper
49	100		
128	49.4	22.3	66.8
130	63.6	28.4	85.3



#2
 Dichlorodifluoromethane
 Concen: 12.447 ppbv
 RT: 3.08 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion:	85	Resp:	2060265
Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.2	39.2





#3

Chlorodifluoromethane

Concen: 9.532 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

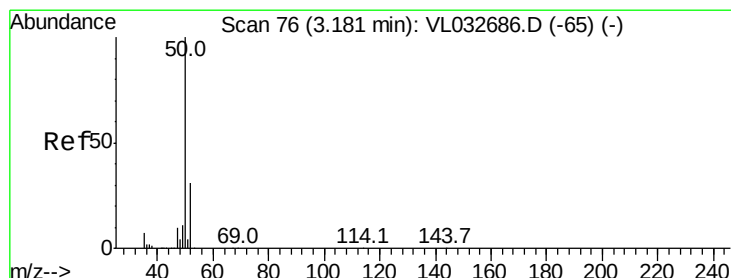
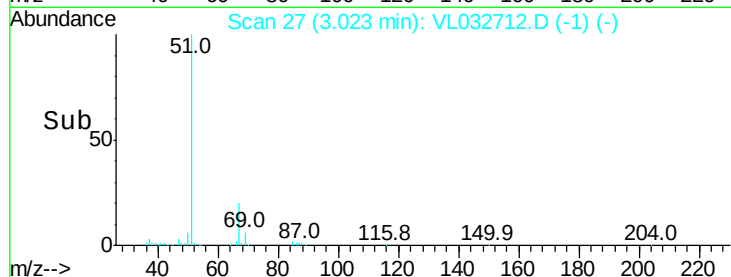
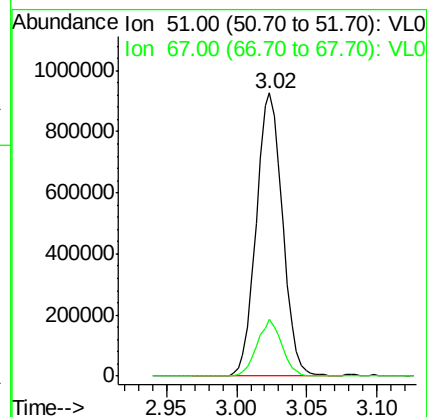
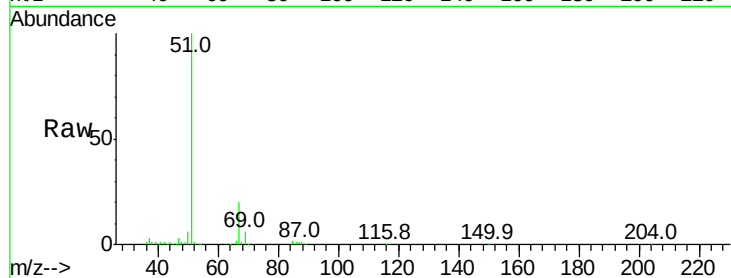
VSTDCCC010

Tgt Ion: 51 Resp: 1210963

Ion Ratio Lower Upper

51 100

67 18.9 15.2 22.8



#4

Chloromethane

Concen: 9.705 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032712.D

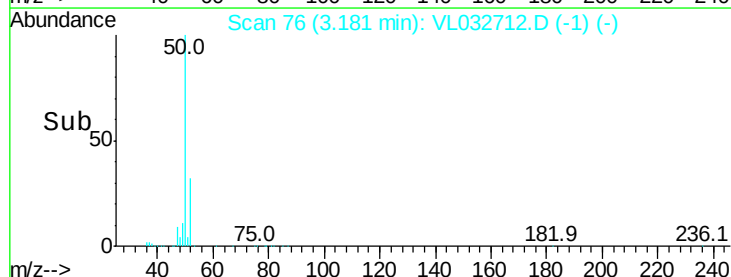
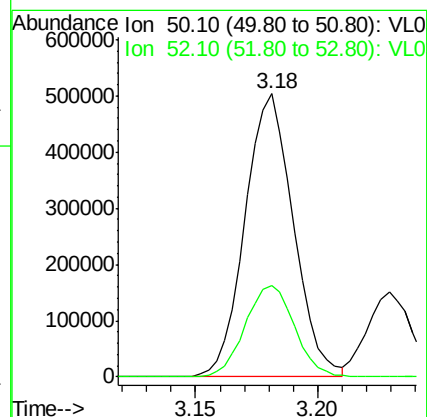
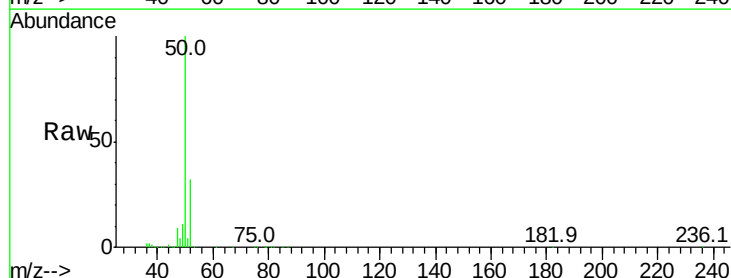
Acq: 7 Nov 2018 10:45

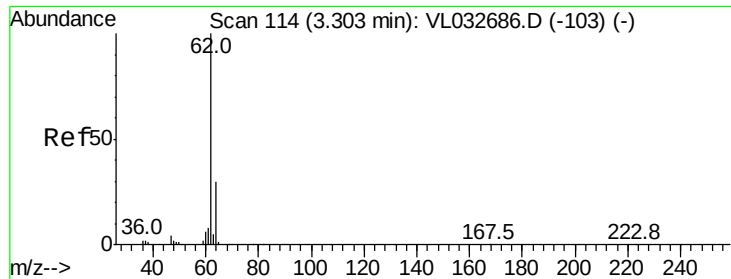
Tgt Ion: 50 Resp: 689060

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9





#5

Vinyl Chloride

Concen: 9.317 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

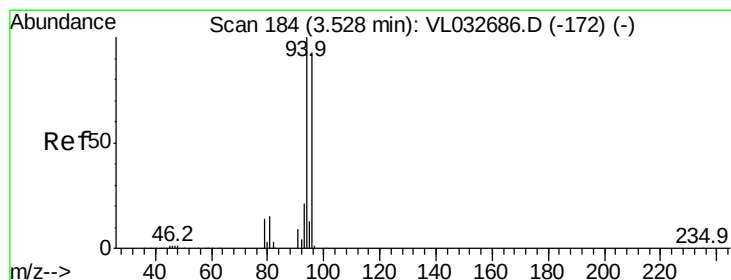
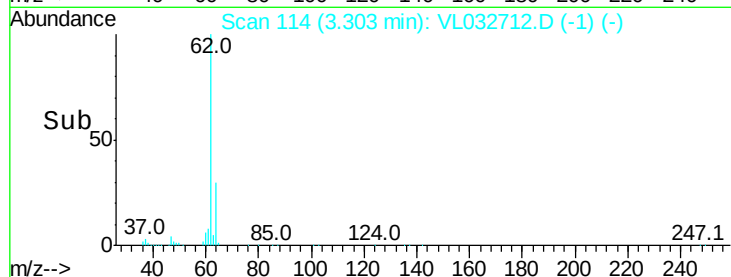
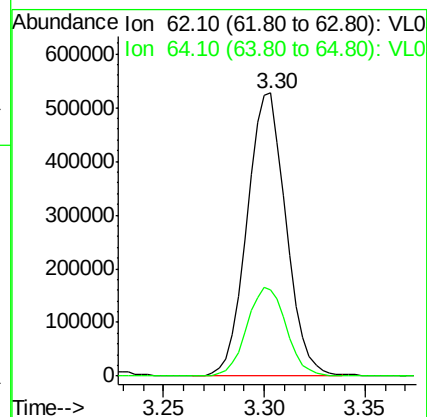
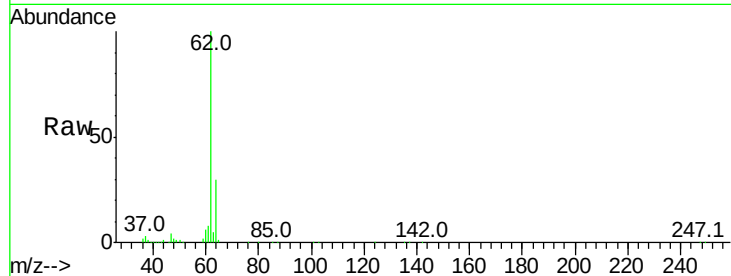
VSTDCCC010

Tgt Ion: 62 Resp: 716539

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3



#6

Bromomethane

Concen: 9.208 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.00 min

Lab File: VL032712.D

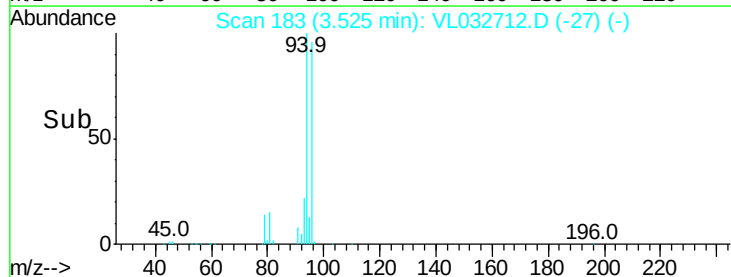
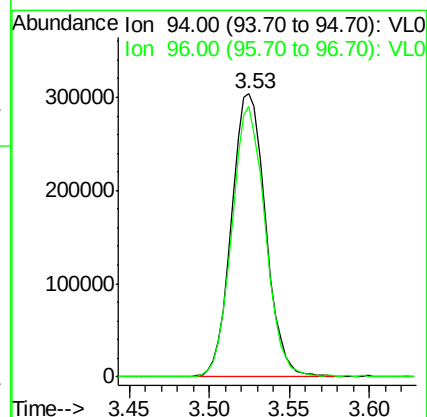
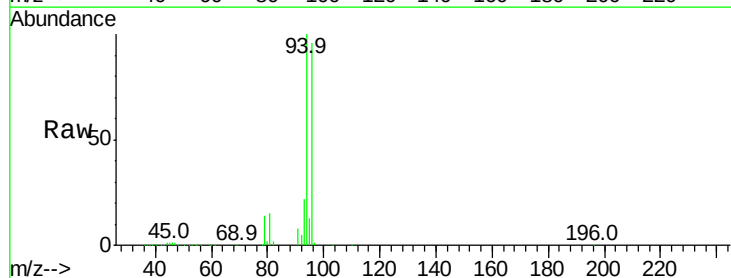
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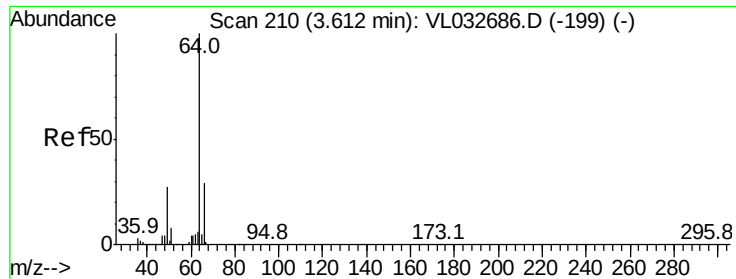
Tgt Ion: 94 Resp: 441535

Ion Ratio Lower Upper

94 100

96 95.6 69.8 104.8





#7

Chloroethane

Concen: 9.002 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

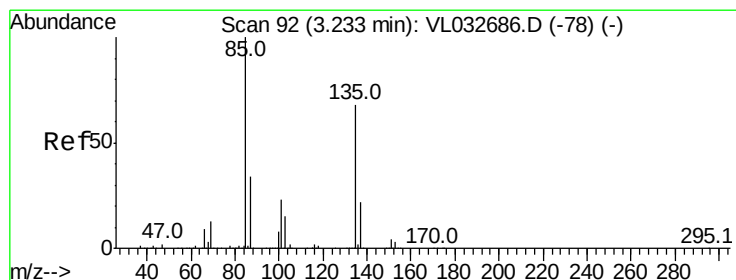
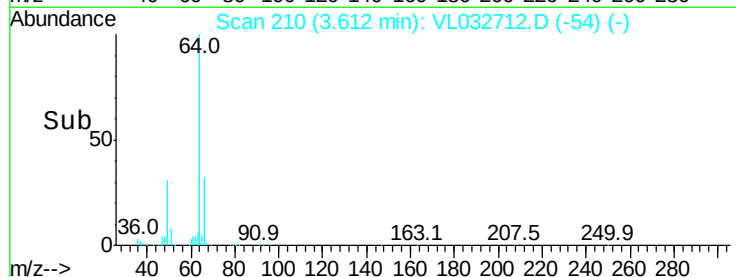
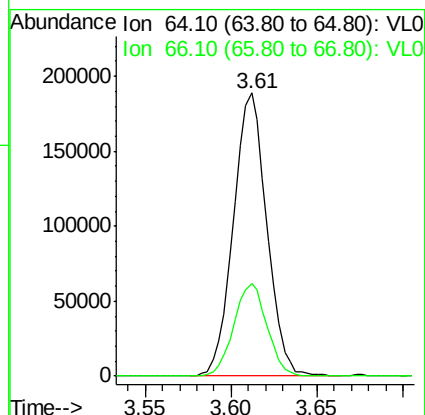
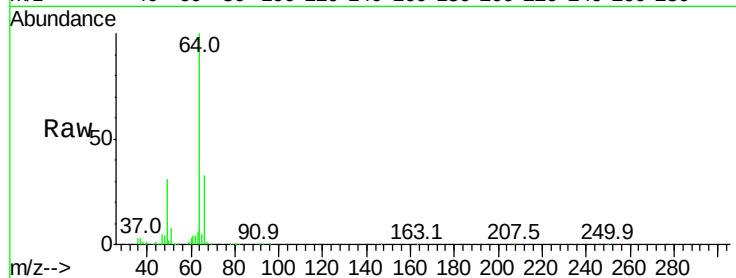
VSTDCCC010

Tgt Ion: 64 Resp: 254911

Ion Ratio Lower Upper

64 100

66 32.6 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 9.370 ppbv

RT: 3.23 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL032712.D

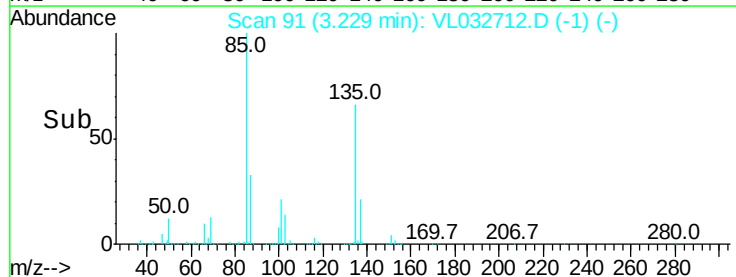
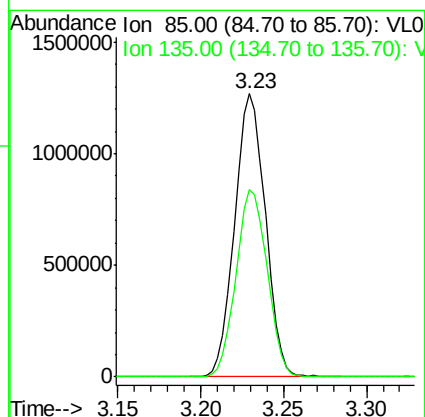
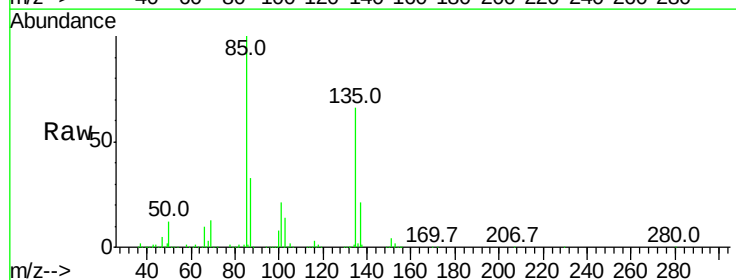
Acq: 7 Nov 2018 10:45

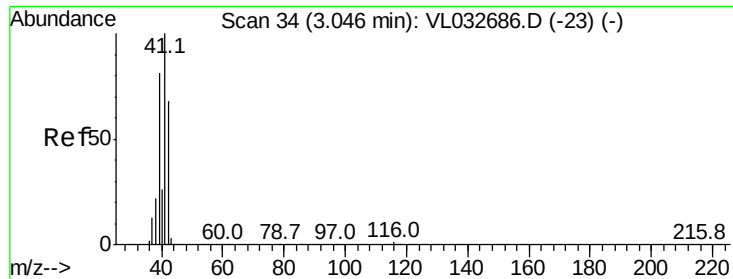
Tgt Ion: 85 Resp: 1634627

Ion Ratio Lower Upper

85 100

135 67.4 49.0 73.4





#9

Propene

Concen: 10.273 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

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ClientSampleId :

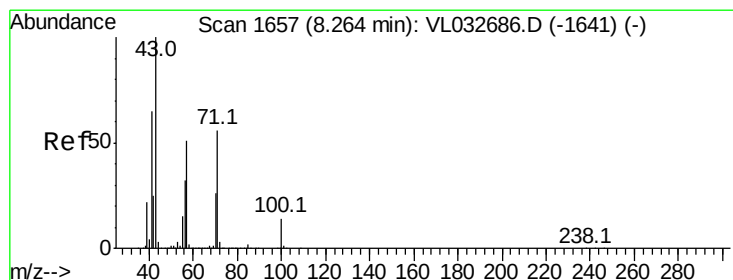
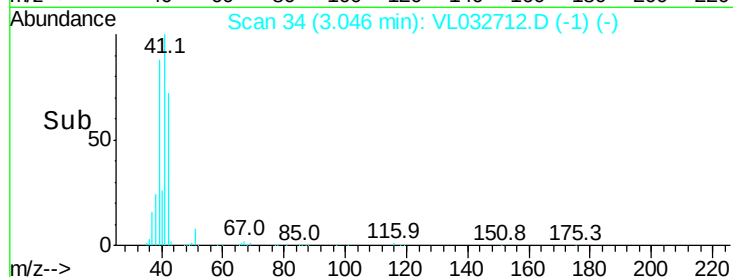
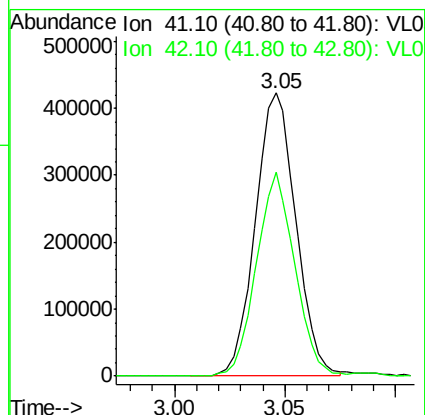
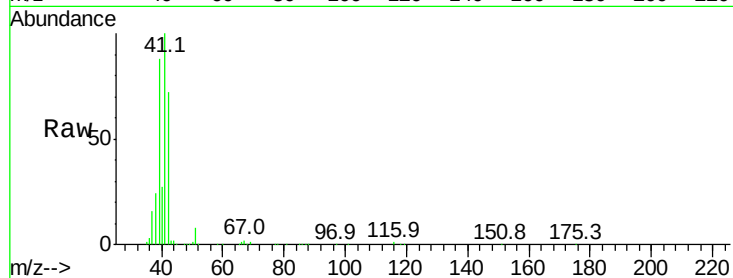
VSTDCCC010

Tgt Ion: 41 Resp: 537107

Ion Ratio Lower Upper

41 100

42 69.5 55.4 83.0



#10

Heptane

Concen: 10.312 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL032712.D

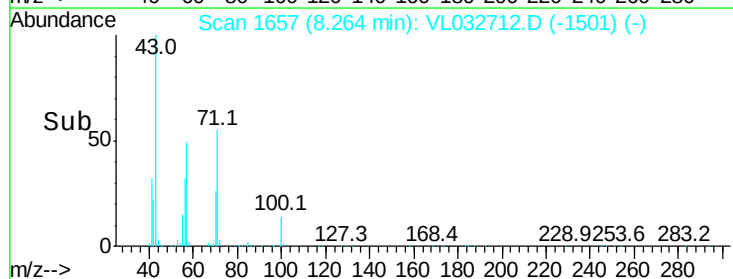
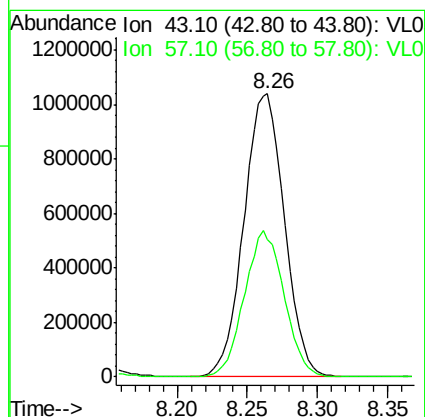
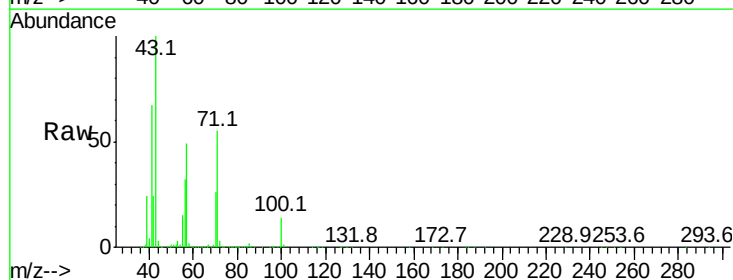
Acq: 7 Nov 2018 10:45

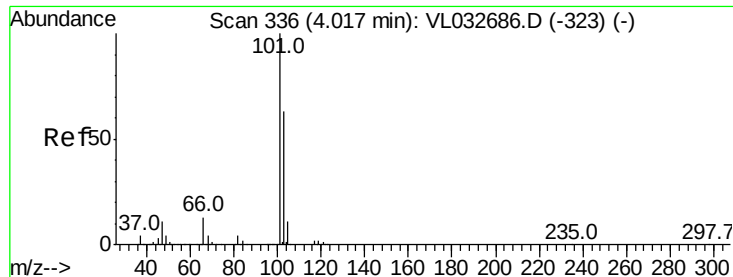
Tgt Ion: 43 Resp: 2077707

Ion Ratio Lower Upper

43 100

57 50.9 41.5 62.3





#11

Trichlorofluoromethane

Concen: 8.374 ppbv

RT: 4.01 min Scan# 335

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

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ClientSampleId :

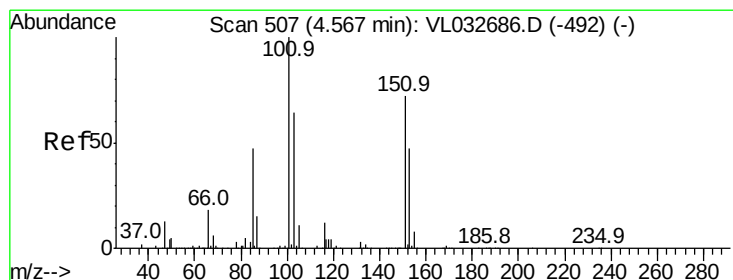
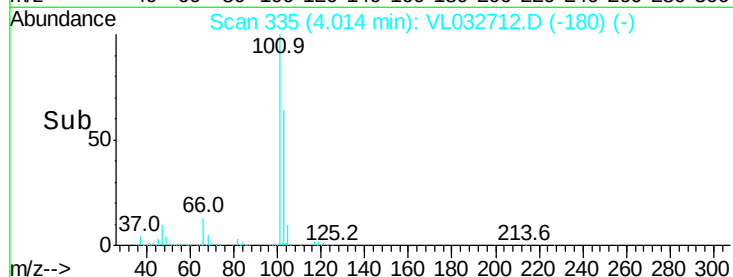
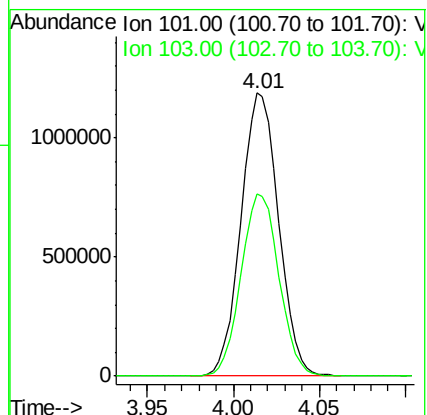
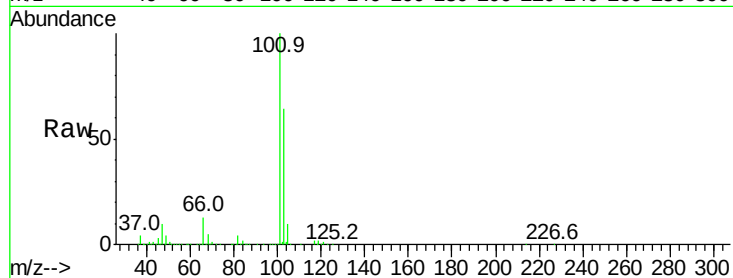
VSTDCCC010

Tgt Ion:101 Resp: 1810480

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.781 ppbv

RT: 4.56 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL032712.D

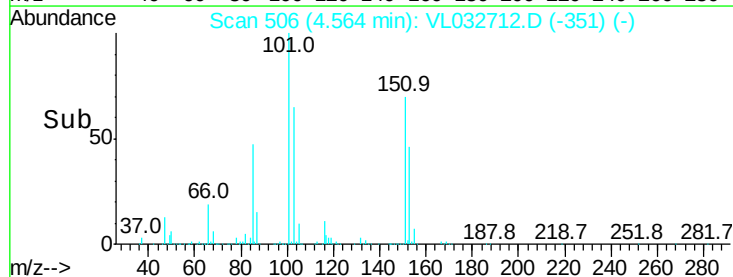
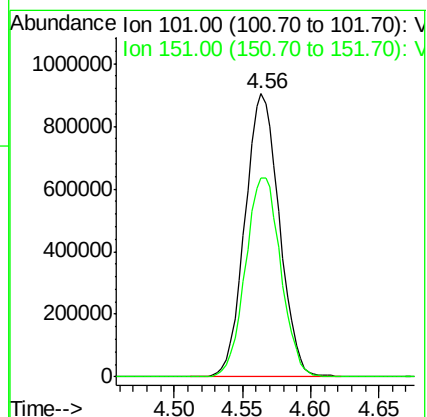
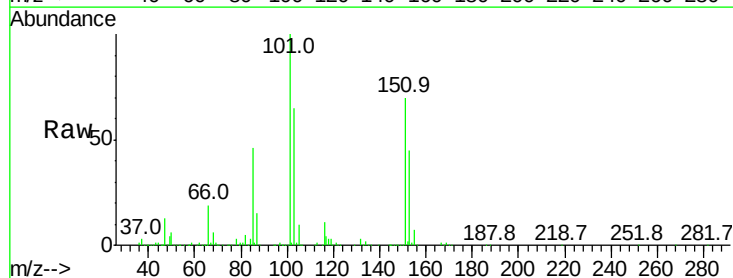
Acq: 7 Nov 2018 10:45

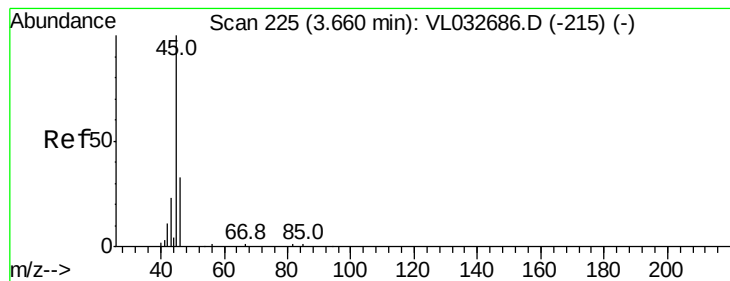
Tgt Ion:101 Resp: 1578706

Ion Ratio Lower Upper

101 100

151 72.4 52.3 78.5





#13

Ethanol

Concen: 9.267 ppbv

RT: 3.66 min Scan# 225

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

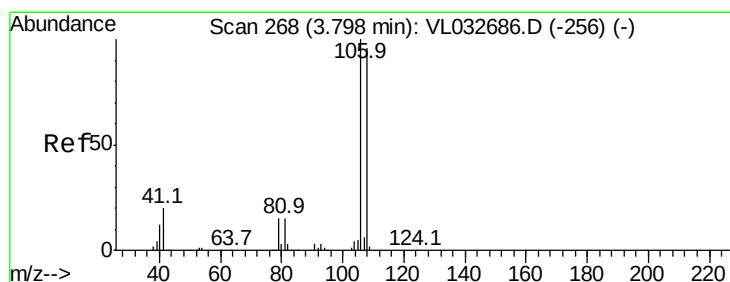
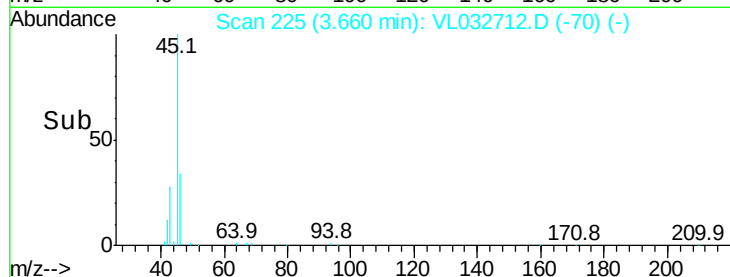
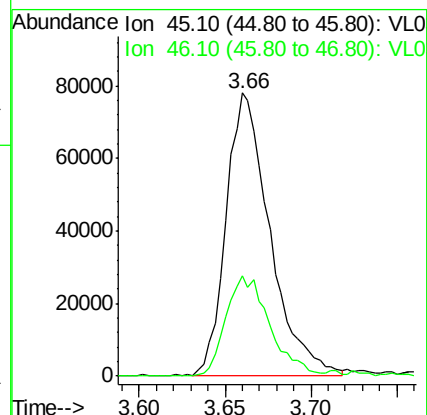
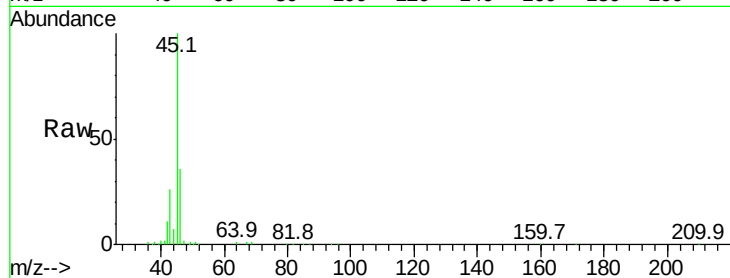
VSTDCCC010

Tgt Ion: 45 Resp: 138480

Ion Ratio Lower Upper

45 100

46 37.3 15.4 61.8



#14

Bromoethene

Concen: 9.388 ppbv

RT: 3.80 min Scan# 268

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

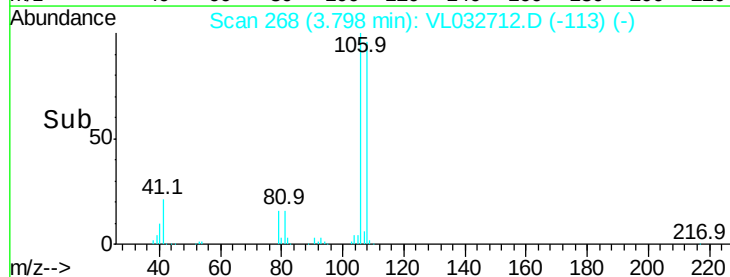
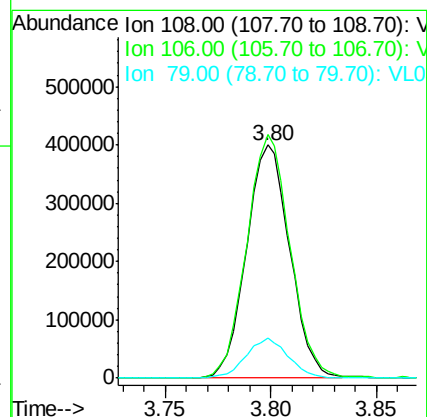
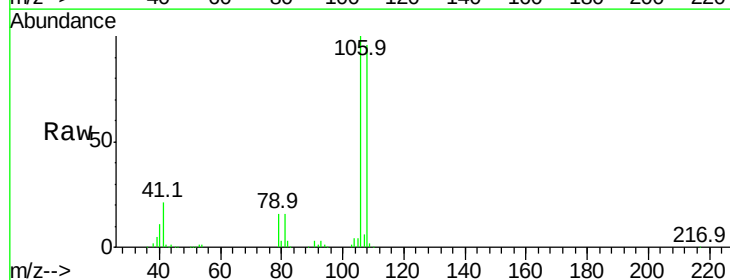
Tgt Ion: 108 Resp: 570462

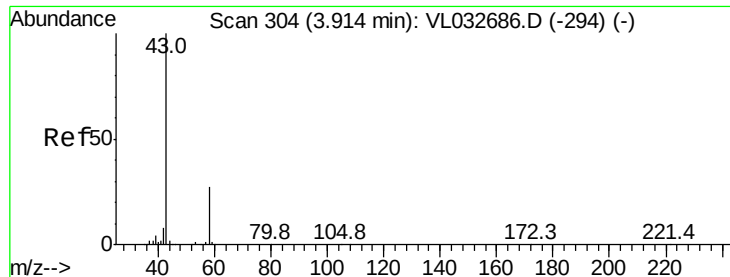
Ion Ratio Lower Upper

108 100

106 105.4 85.0 127.4

79 17.0 13.7 20.5





#15

Acetone

Concen: 8.066 ppbv

RT: 3.91 min Scan# 303

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

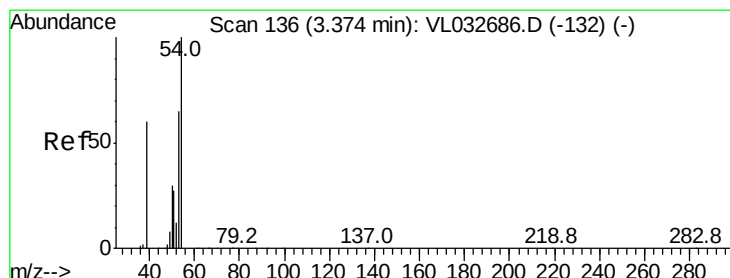
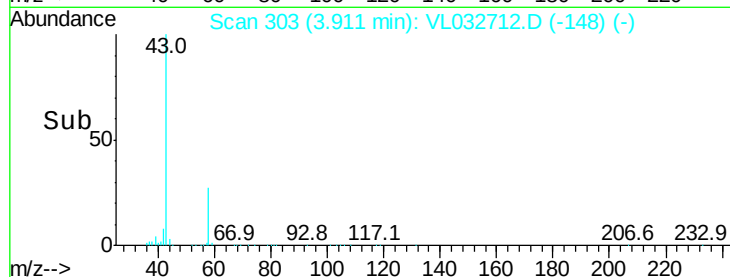
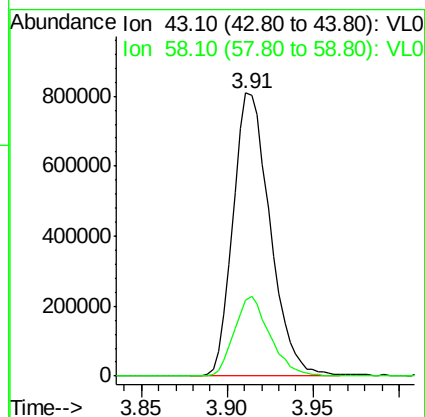
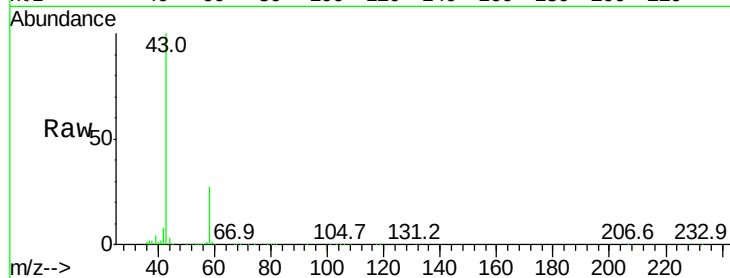
VSTDCCC010

Tgt Ion: 43 Resp: 1210057

Ion Ratio Lower Upper

43 100

58 27.2 22.1 33.1



#16

1,3-Butadiene

Concen: 11.496 ppbv

RT: 3.37 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL032712.D

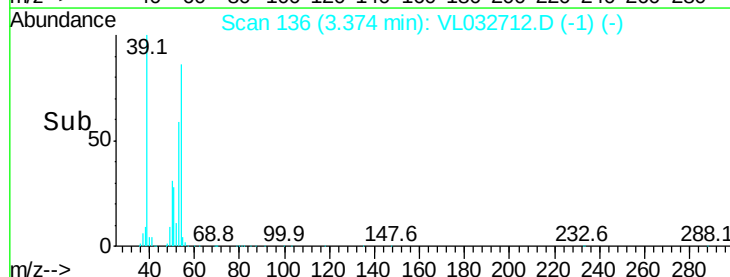
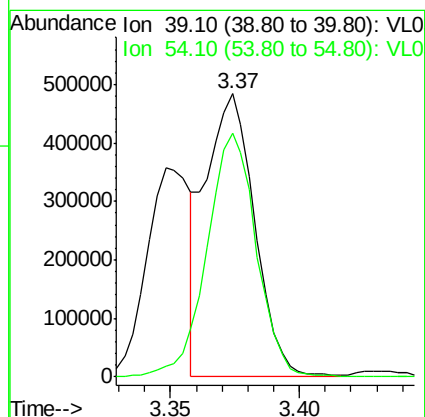
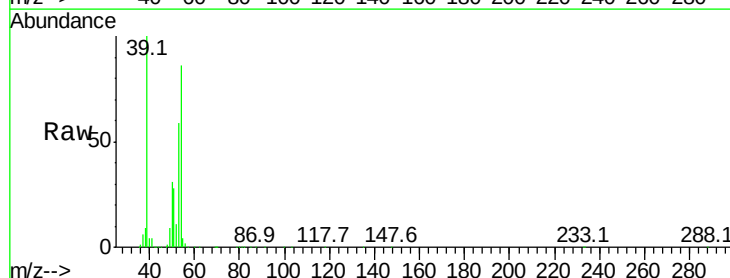
Acq: 7 Nov 2018 10:45

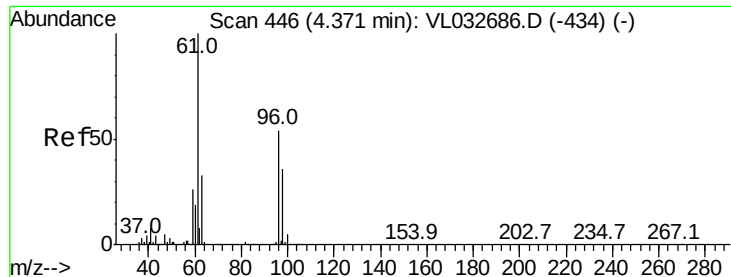
Tgt Ion: 39 Resp: 634412

Ion Ratio Lower Upper

39 100

54 87.5 90.4 135.6#





#17

tert-Butyl alcohol

Concen: 12.445 ppbv

RT: 4.37 min Scan# 446

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

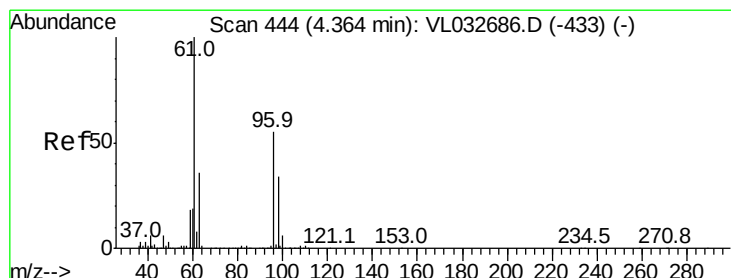
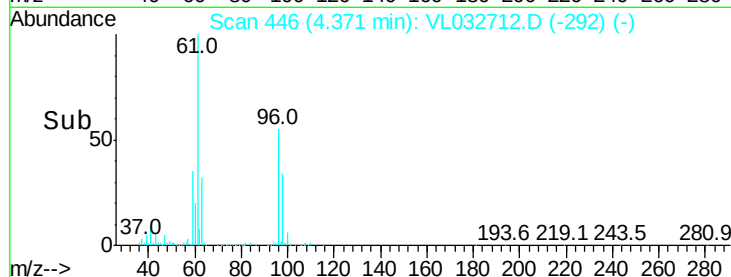
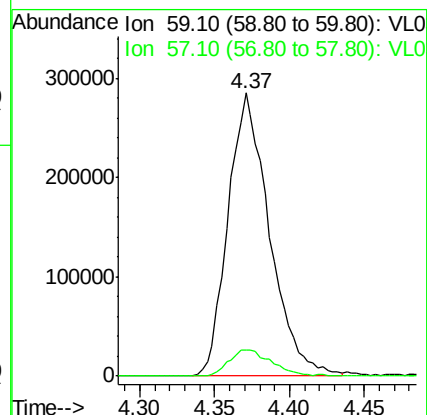
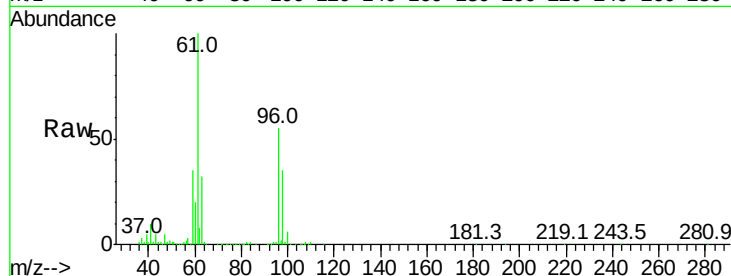
VSTDCCC010

Tgt Ion: 59 Resp: 549060

Ion Ratio Lower Upper

59 100

57 9.8 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 10.895 ppbv

RT: 4.36 min Scan# 444

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

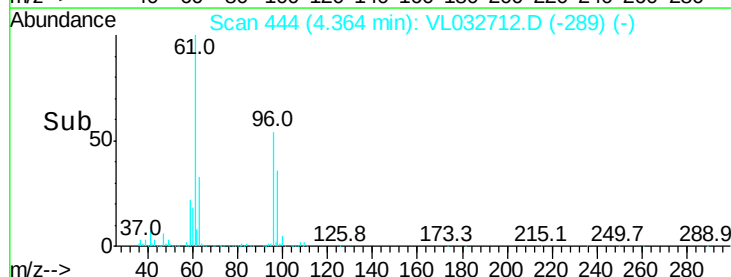
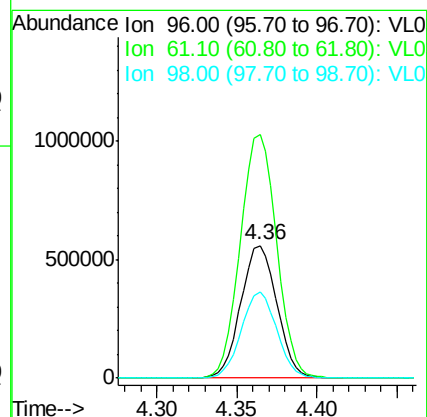
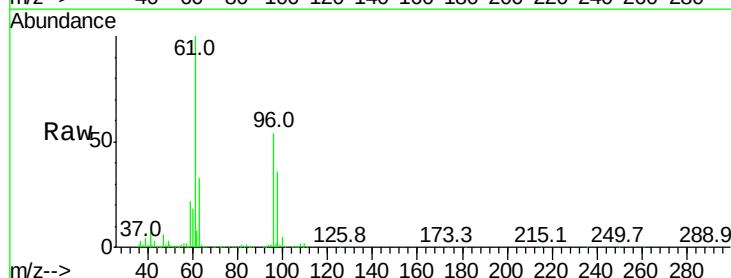
Tgt Ion: 96 Resp: 860556

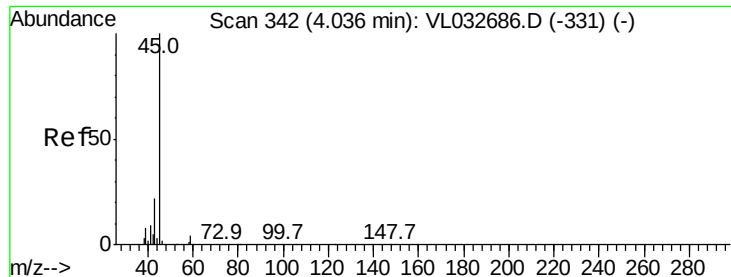
Ion Ratio Lower Upper

96 100

61 183.9 151.6 227.4

98 65.4 50.6 75.8





#19

Isopropyl Alcohol

Concen: 8.514 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

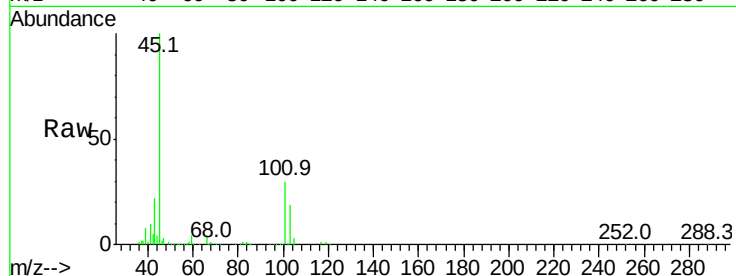
VSTDCCC010

Tgt Ion: 45 Resp: 909579

Ion Ratio Lower Upper

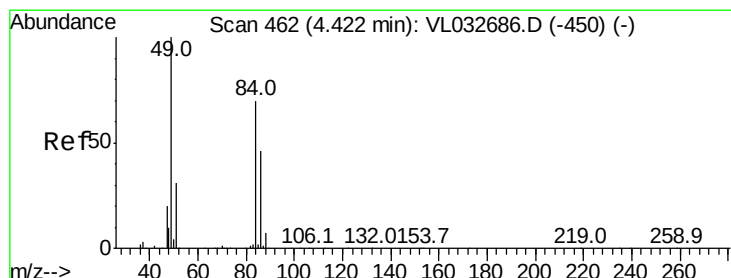
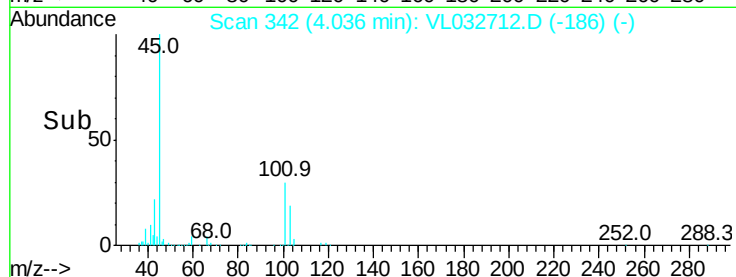
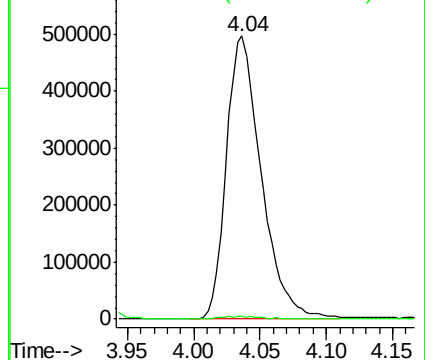
45 100

58 1.4 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.494 ppbv

RT: 4.42 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion: 84 Resp: 722962

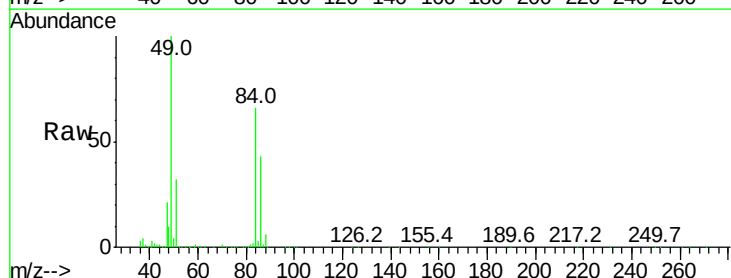
Ion Ratio Lower Upper

84 100

49 150.1 113.5 170.3

51 48.0 34.8 52.2

86 64.9 47.9 71.9

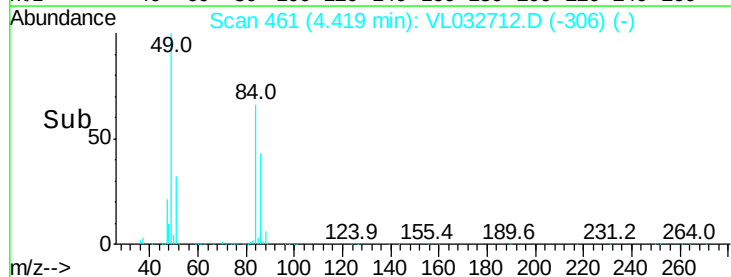
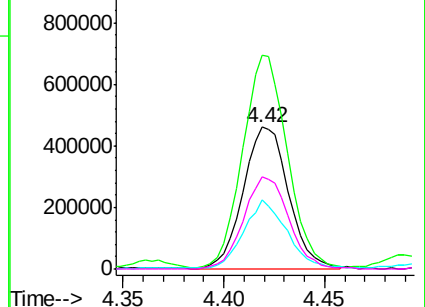


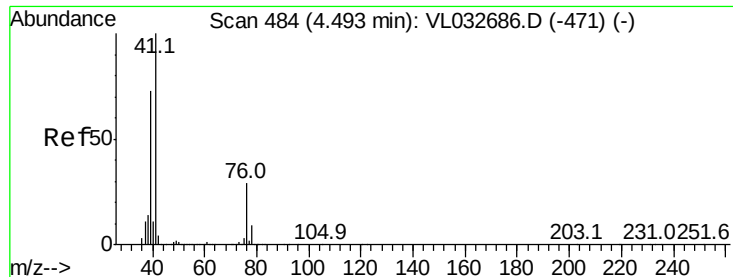
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

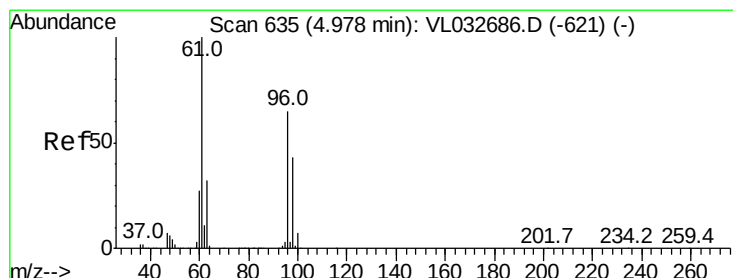
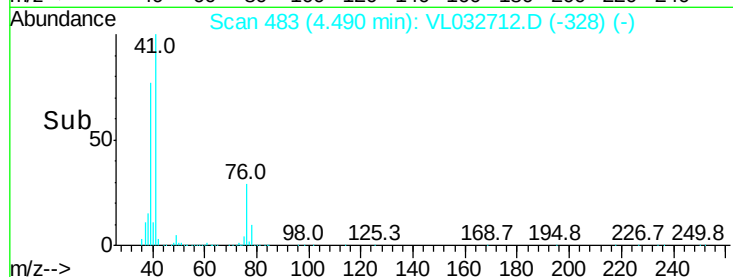
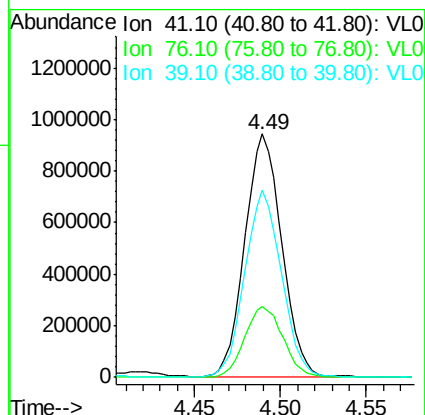
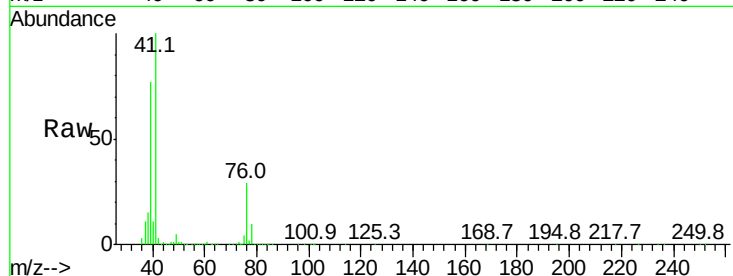




#21
 Allyl Chloride
 Concen: 11.402 ppbv
 RT: 4.49 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

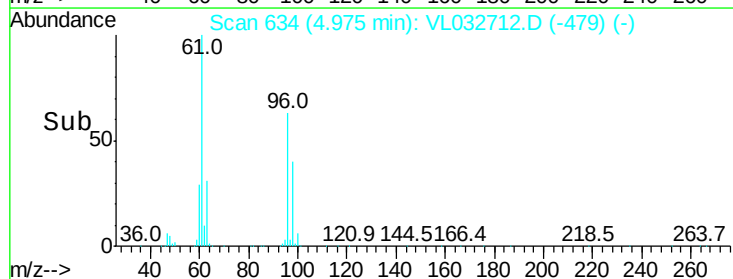
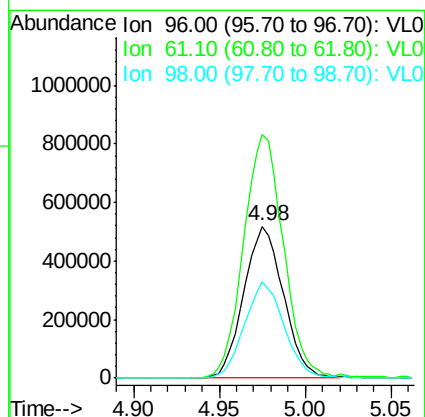
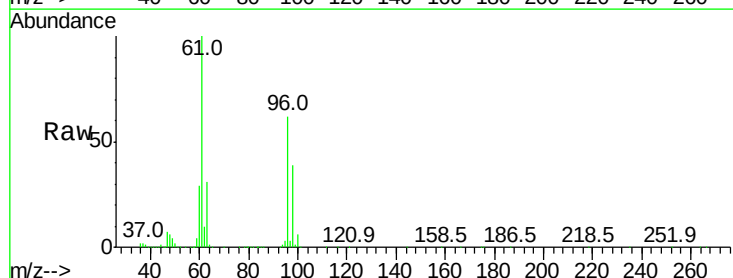
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

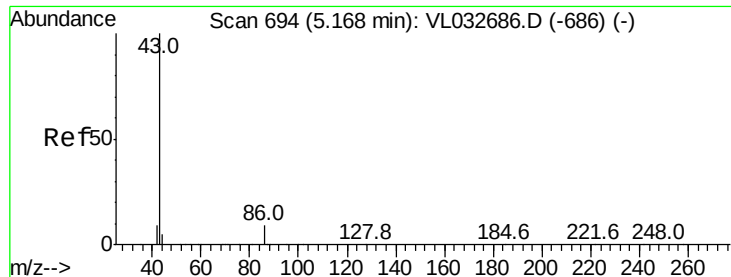
Tgt Ion: 41 Resp: 1404332
 Ion Ratio Lower Upper
 41 100
 76 30.1 24.3 36.5
 39 76.6 60.3 90.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.238 ppbv
 RT: 4.98 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 96 Resp: 829466
 Ion Ratio Lower Upper
 96 100
 61 160.5 140.4 210.6
 98 63.3 55.0 82.6





#23

Vinyl Acetate

Concen: 10.849 ppbv

RT: 5.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2883839

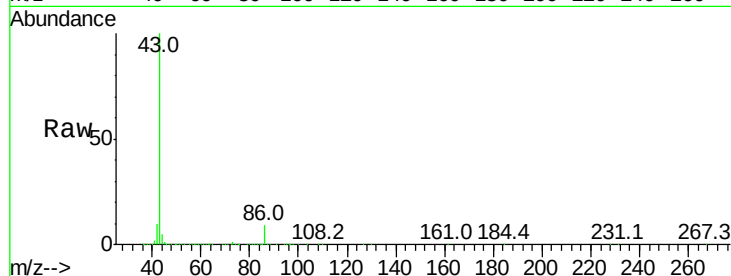
Ion Ratio Lower Upper

43 100

86 8.6 6.1 9.1

42 9.8 7.4 11.2

44 5.0 4.2 6.2

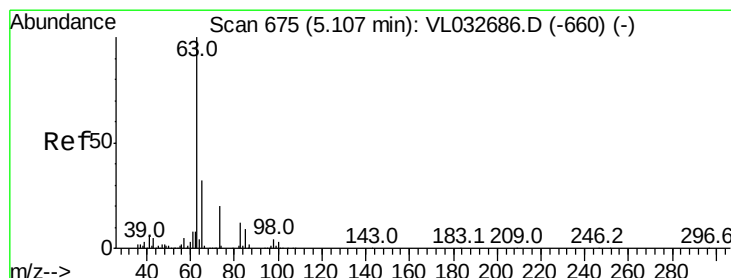
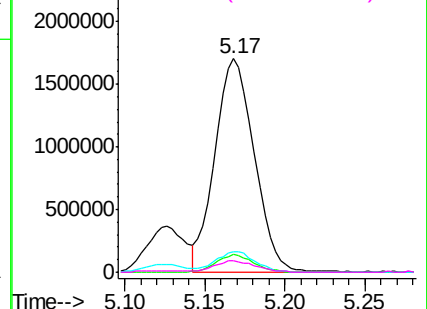
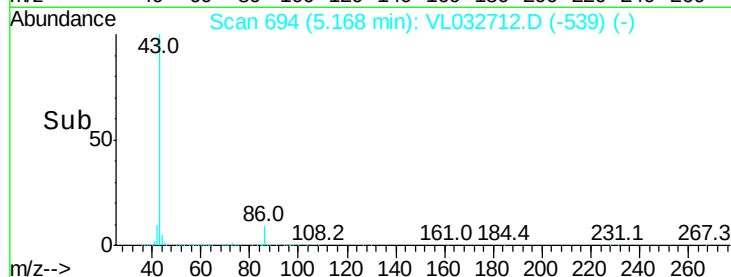


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.942 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

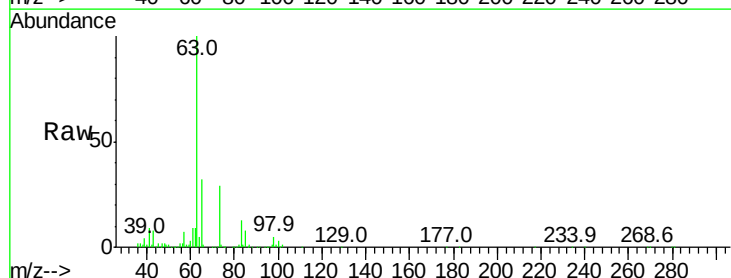
Tgt Ion: 63 Resp: 2074549

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.3

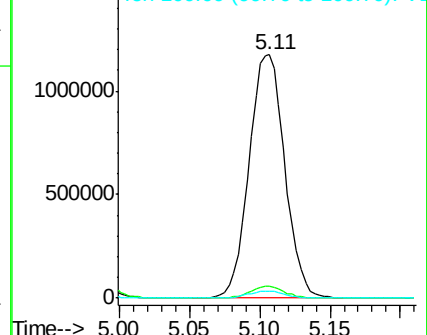
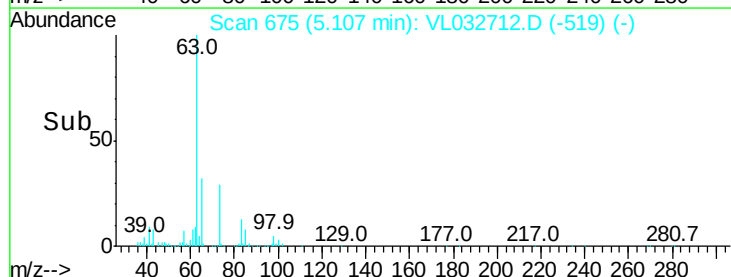
100 2.8 1.2 3.6

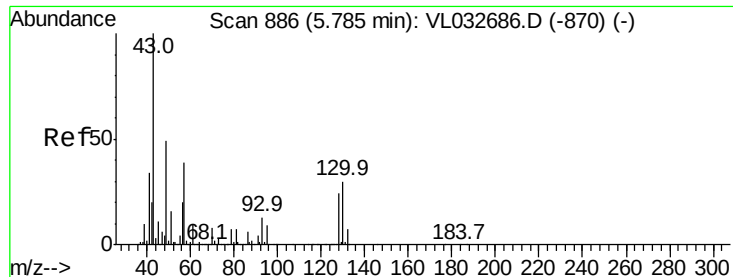


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.035 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 3464957

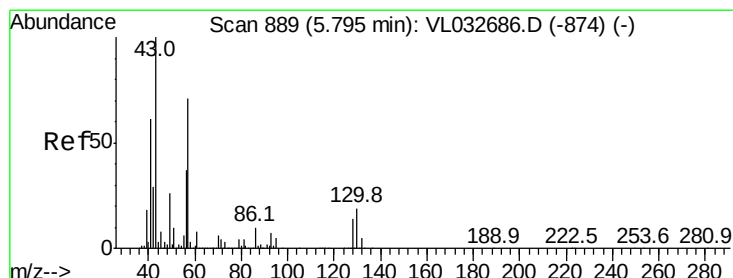
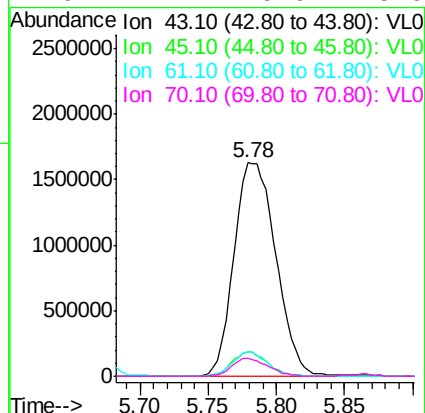
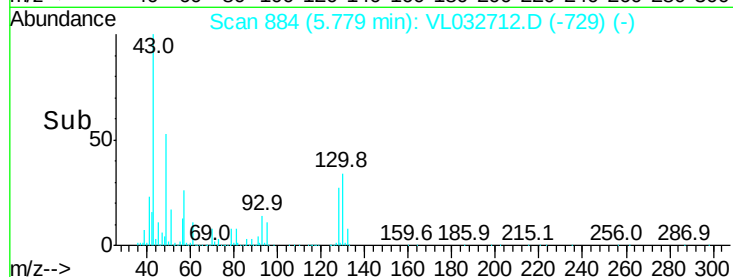
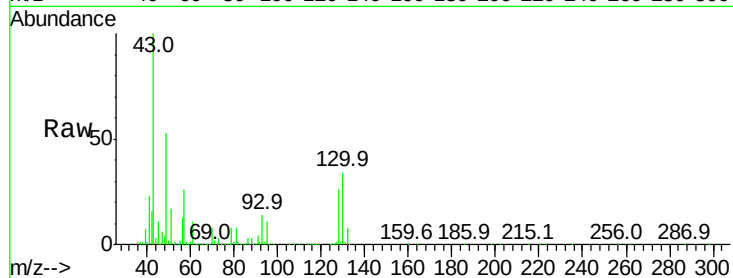
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.7	8.0	12.0
70	7.2	5.9	8.9

43 100

45 9.8 8.0 12.0

61 9.7 8.0 12.0

70 7.2 5.9 8.9



#26

Hexane

Concen: 9.838 ppbv

RT: 5.80 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion: 57 Resp: 1607288

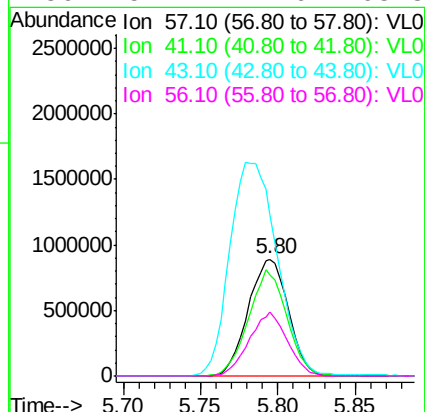
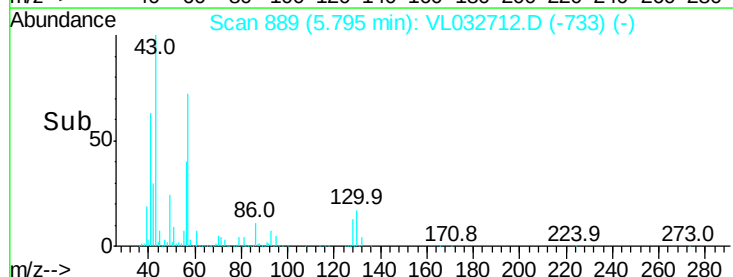
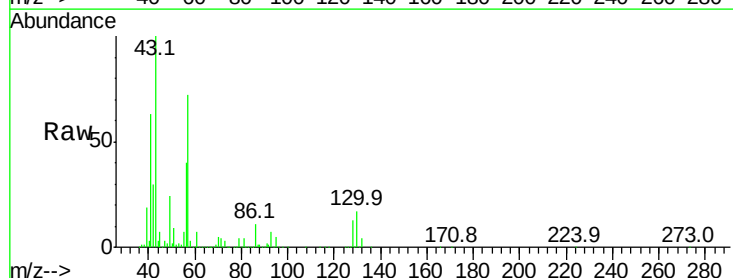
Ion	Ratio	Lower	Upper
57	100		
41	86.9	67.4	101.0
43	217.0	171.9	257.9
56	52.1	42.6	63.8

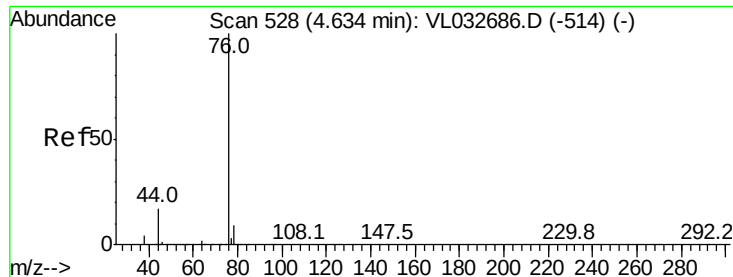
57 100

41 86.9 67.4 101.0

43 217.0 171.9 257.9

56 52.1 42.6 63.8





#27

Carbon Disulfide

Concen: 10.718 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

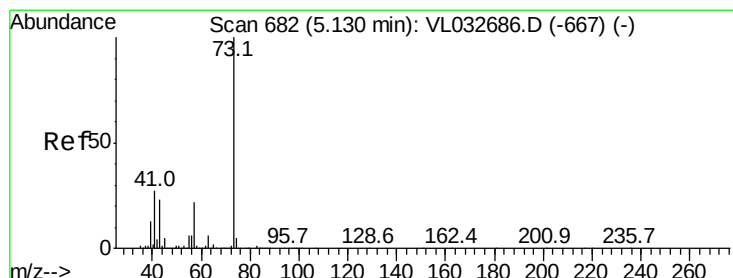
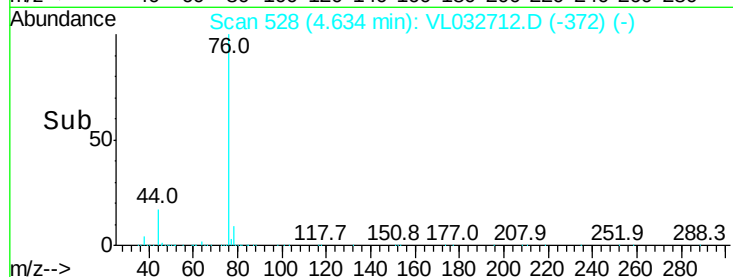
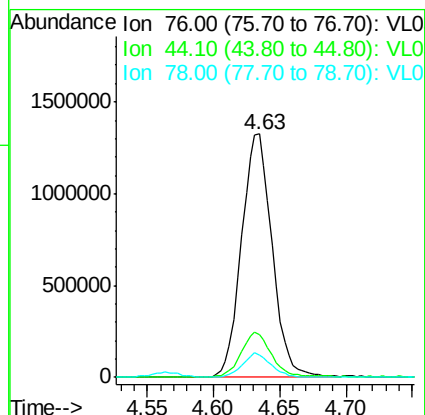
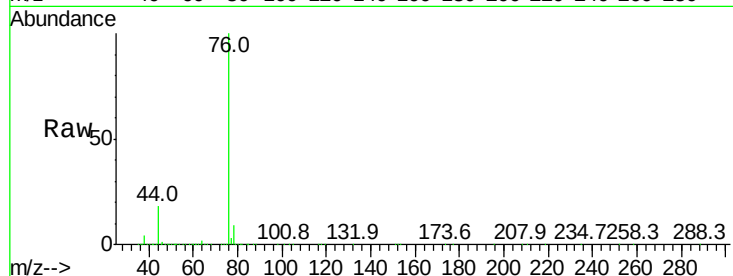
Tgt Ion: 76 Resp: 2124181

Ion	Ratio	Lower	Upper
76	100		
44	18.2	13.7	20.5
78	9.2	7.4	11.2

76 100

44 18.2 13.7 20.5

78 9.2 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 11.099 ppbv

RT: 5.13 min Scan# 681

Delta R.T. -0.00 min

Lab File: VL032712.D

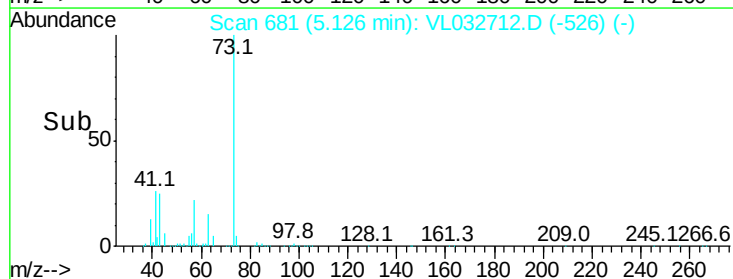
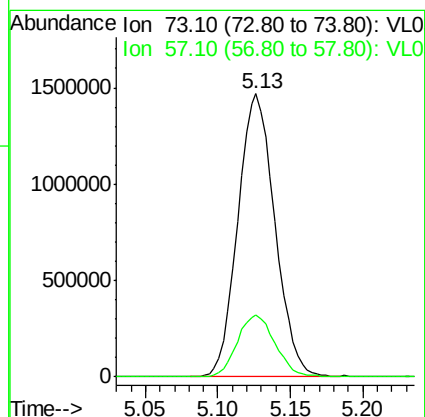
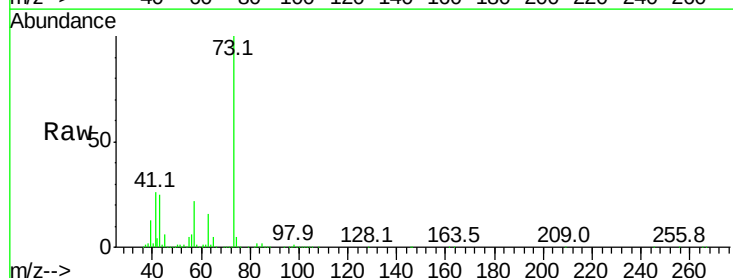
Acq: 7 Nov 2018 10:45

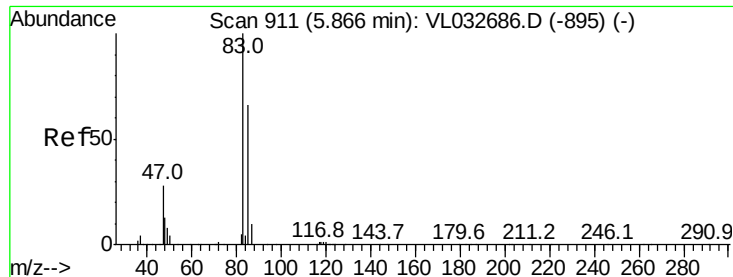
Tgt Ion: 73 Resp: 2606152

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.0	27.0

73 100

57 22.5 18.0 27.0

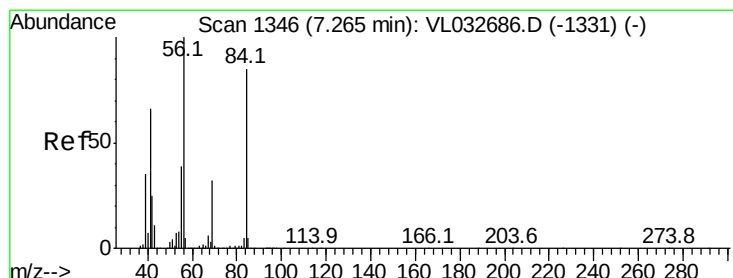
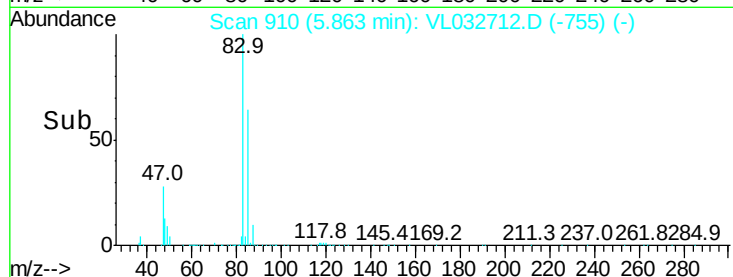
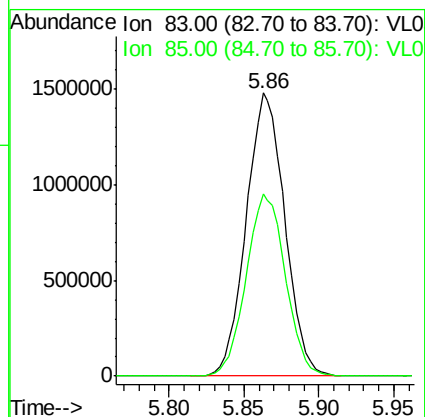
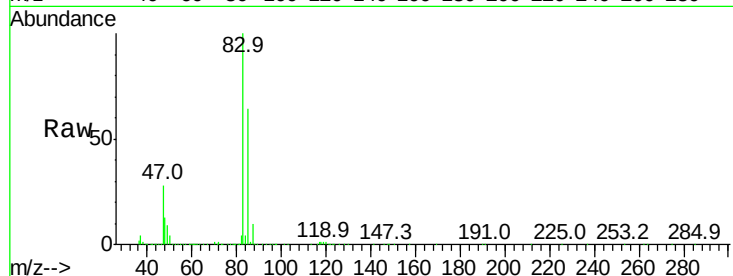




#29
Chloroform
Concen: 10.159 ppbv
RT: 5.86 min Scan# 910
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

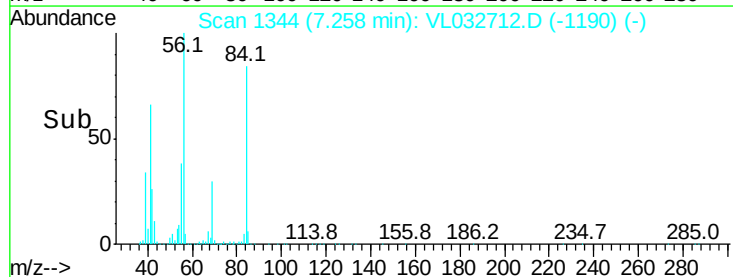
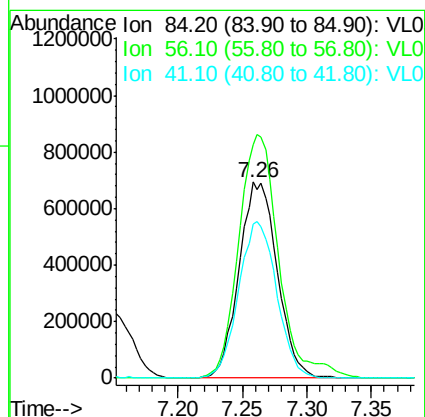
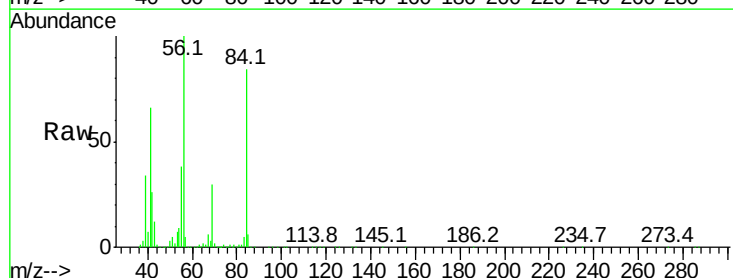
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

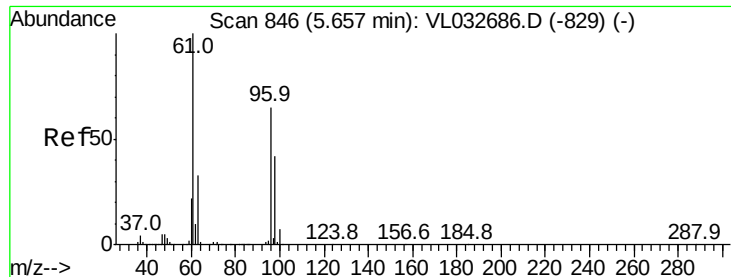
Tgt Ion: 83 Resp: 2651313
Ion Ratio Lower Upper
83 100
85 64.4 53.0 79.6



#30
Cyclohexane
Concen: 11.082 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 84 Resp: 1433200
Ion Ratio Lower Upper
84 100
56 130.1 108.3 162.5
41 79.7 64.8 97.2



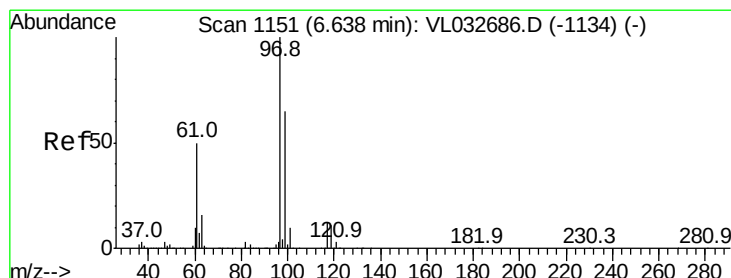
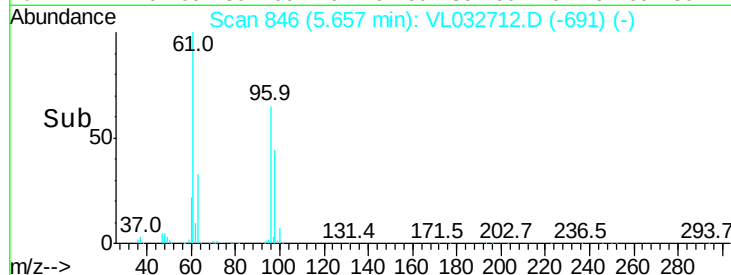
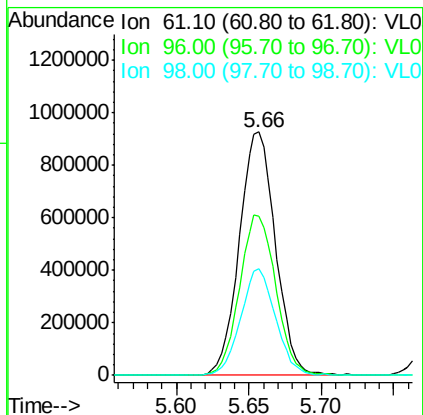
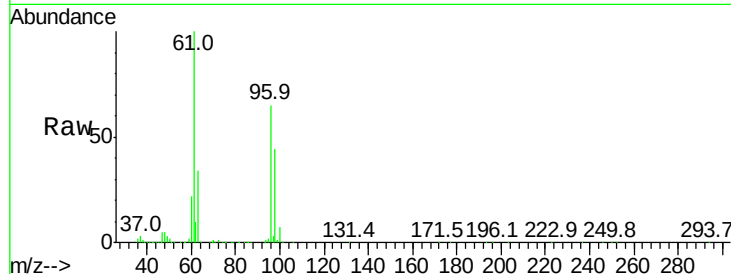


#31

cis-1,2-Dichloroethene
 Concen: 10.600 ppbv
 RT: 5.66 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

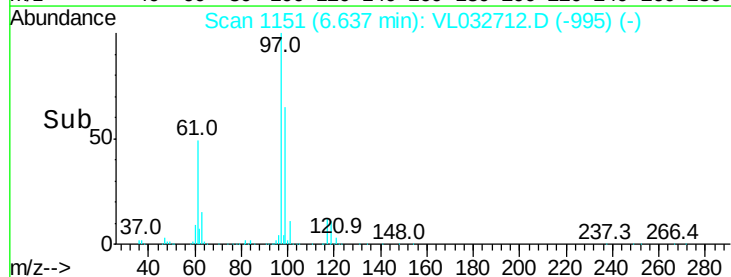
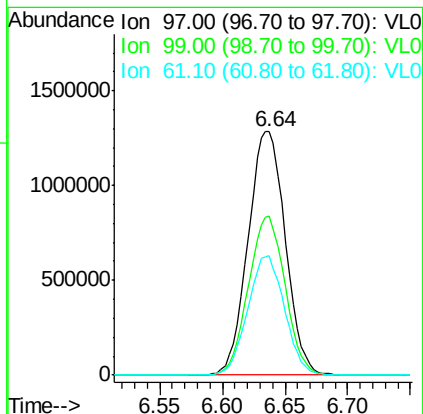
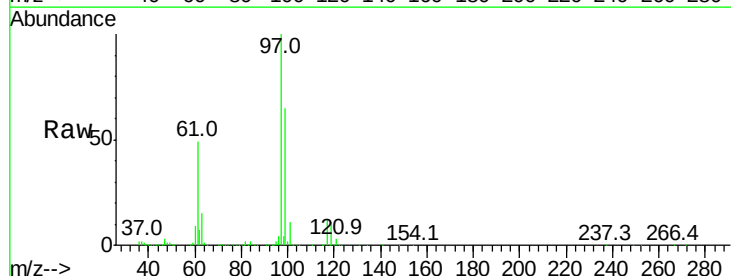
Tgt Ion: 61 Resp: 1605855
 Ion Ratio Lower Upper
 61 100
 96 65.2 51.8 77.6
 98 43.6 33.8 50.6

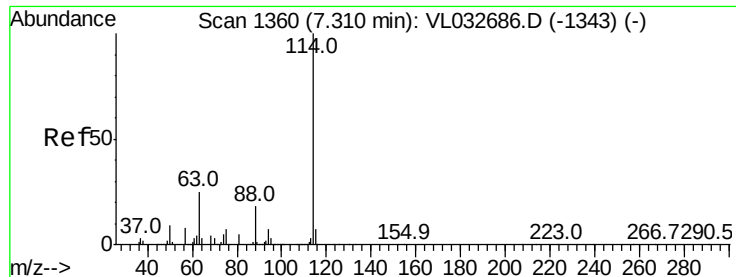


#32

1,1,1-Trichloroethane
 Concen: 10.013 ppbv
 RT: 6.64 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 97 Resp: 2655528
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.0 78.0
 61 48.6 40.7 61.1

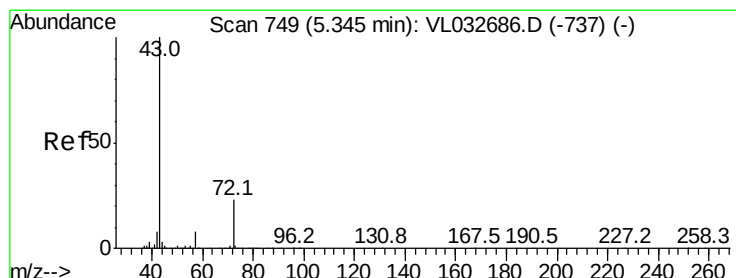
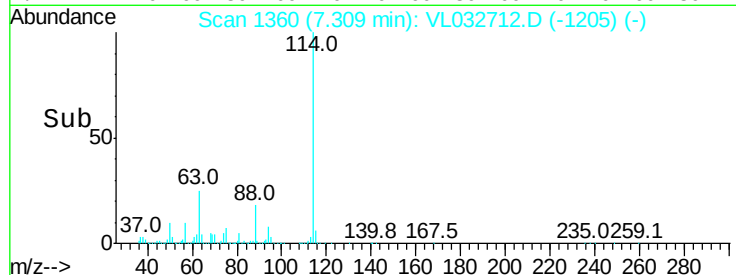
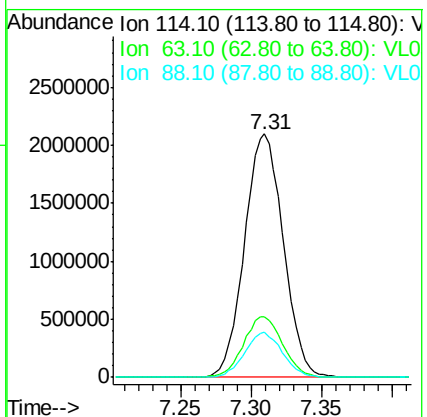
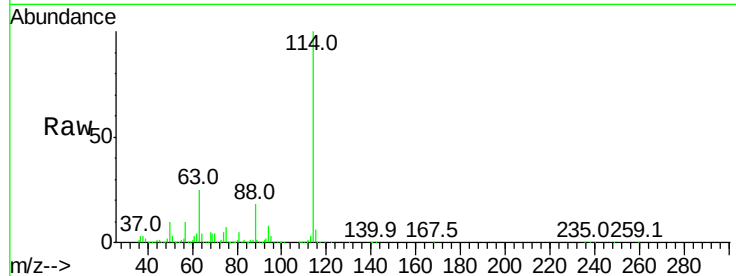




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

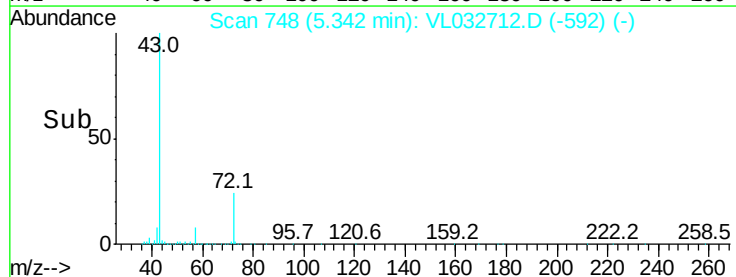
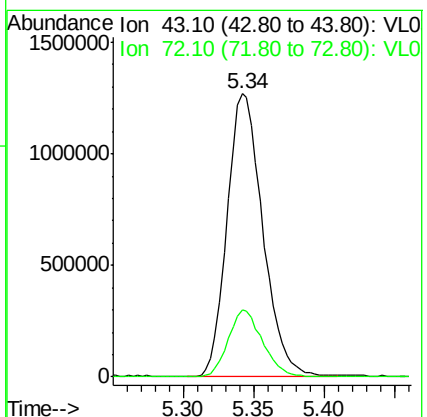
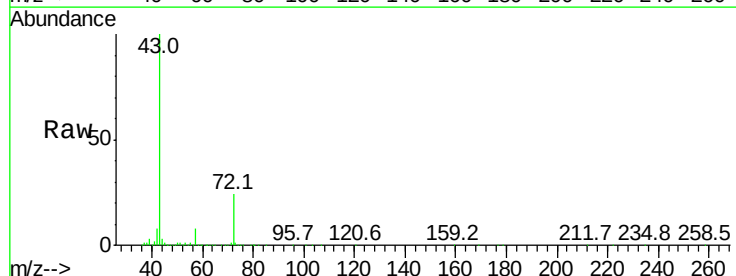
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

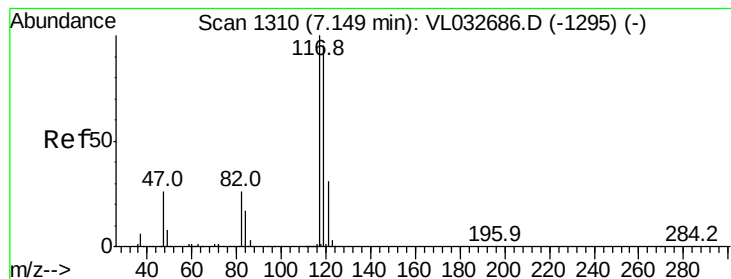
Tgt Ion:114 Resp: 4045735
 Ion Ratio Lower Upper
 114 100
 63 25.4 21.7 32.5
 88 17.9 14.9 22.3



#34
 2-Butanone
 Concen: 10.350 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 43 Resp: 2244808
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.6 27.8





#35

Carbon Tetrachloride

Concen: 9.887 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

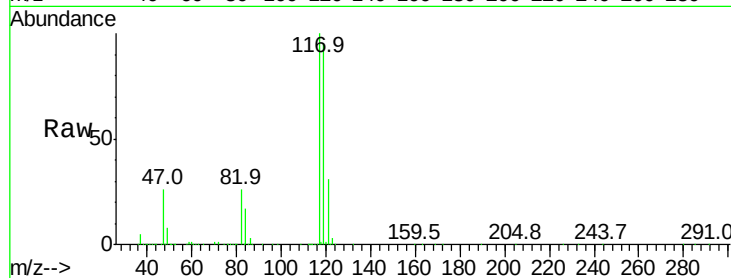
Tgt Ion:117 Resp: 2838967

Ion Ratio Lower Upper

117 100

119 95.4 75.7 113.5

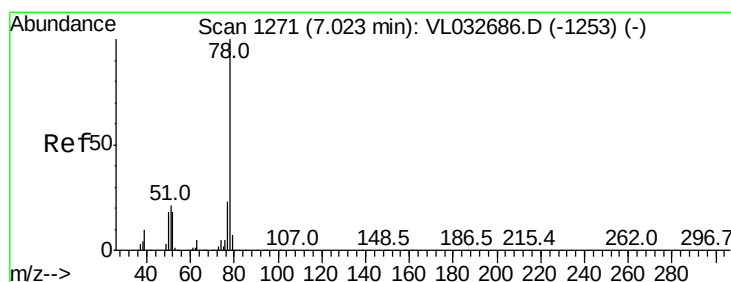
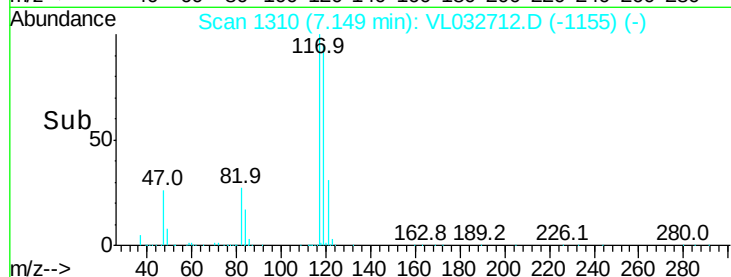
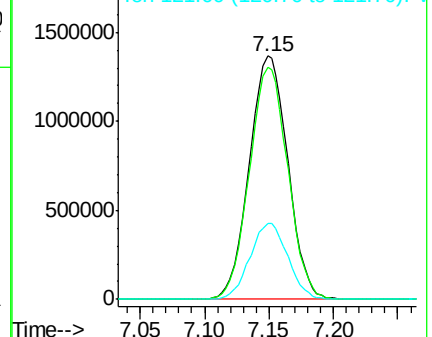
121 31.2 24.7 37.1



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: 10.329 ppbv

RT: 7.02 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

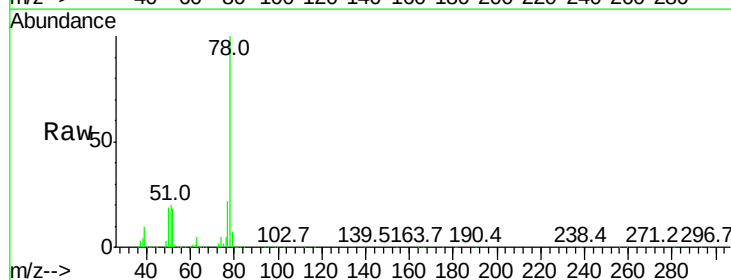
Tgt Ion: 78 Resp: 3393288

Ion Ratio Lower Upper

78 100

77 22.4 18.1 27.1

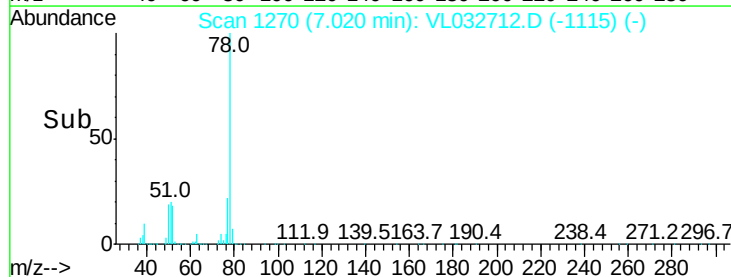
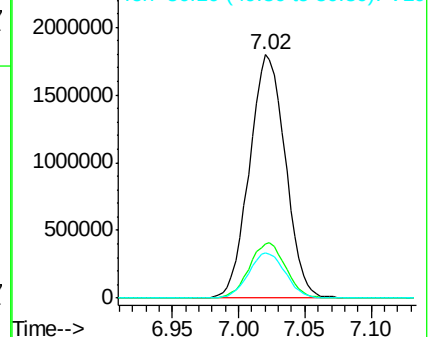
50 18.7 15.1 22.7

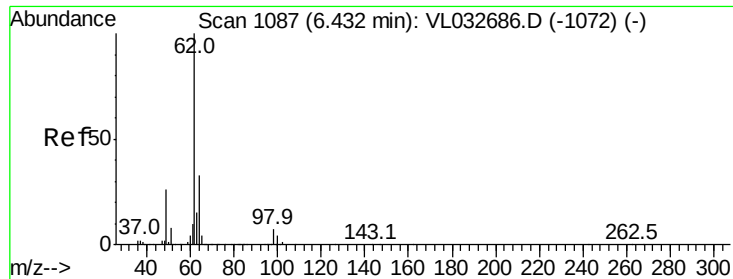


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

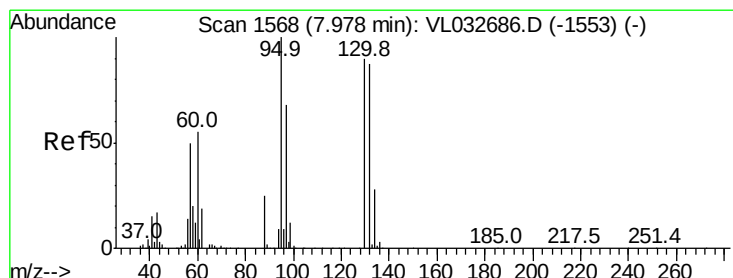
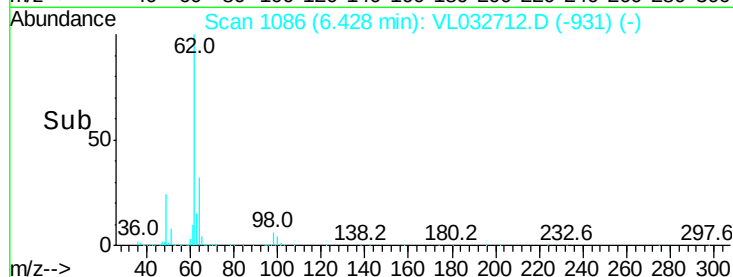
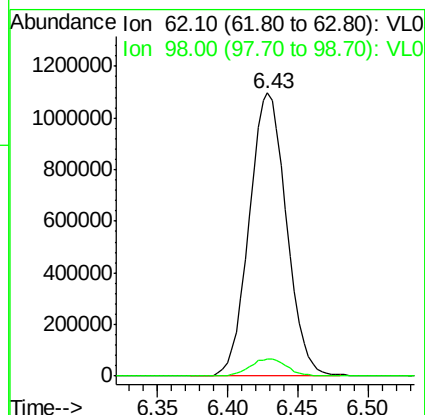
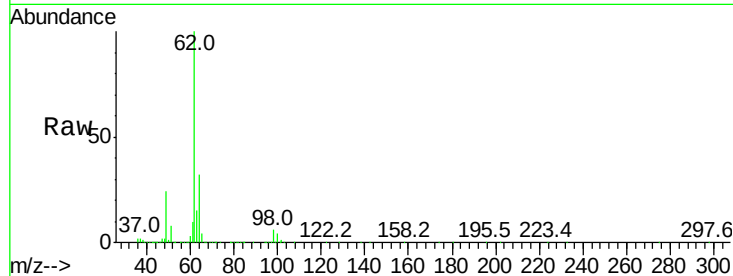




#37
 1,2-Dichloroethane
 Concen: 10.043 ppbv
 RT: 6.43 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

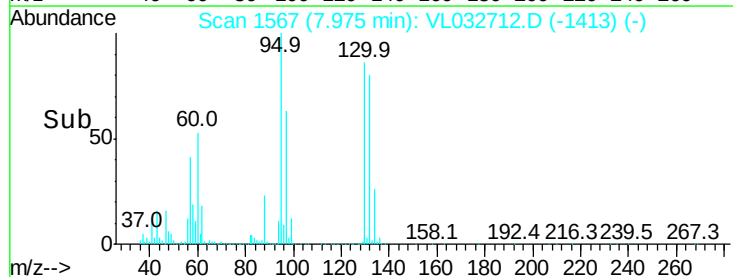
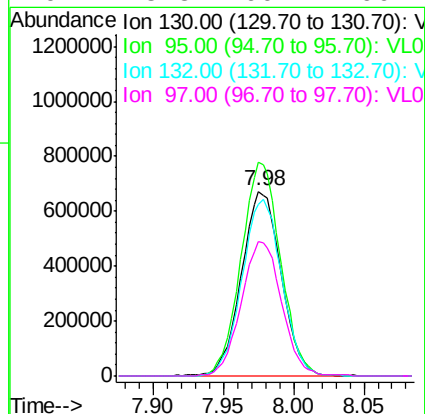
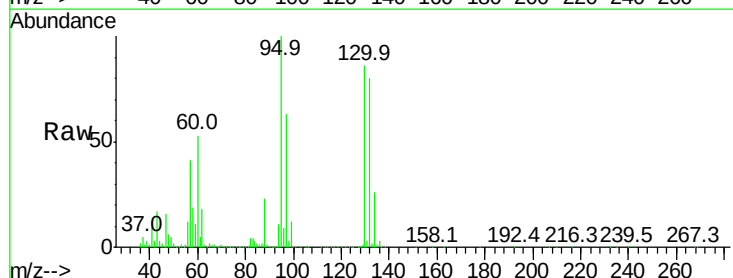
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

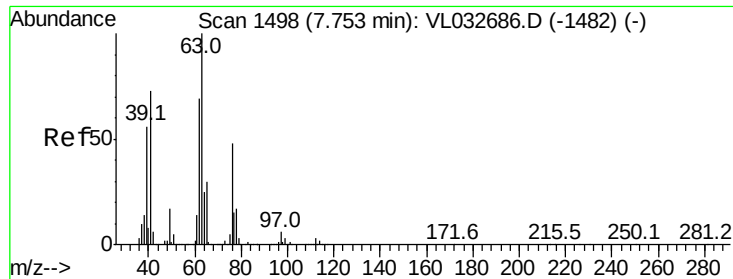
Tgt Ion: 62 Resp: 2023724
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.4 6.6



#38
 Trichloroethene
 Concen: 10.826 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 130 Resp: 1316589
 Ion Ratio Lower Upper
 130 100
 95 115.9 93.4 140.0
 132 93.0 76.5 114.7
 97 73.3 60.2 90.2





#39

1,2-Dichloropropane

Concen: 10.221 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

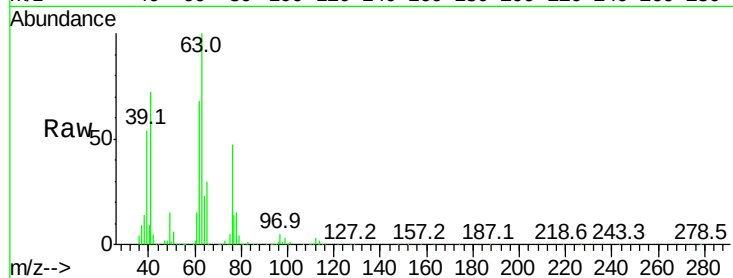
Tgt Ion: 63 Resp: 1296714

Ion Ratio Lower Upper

63 100

41 71.7 56.2 84.4

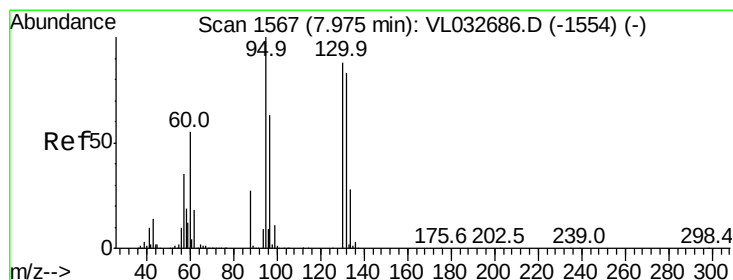
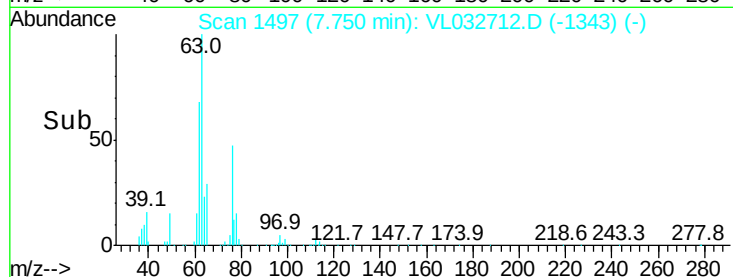
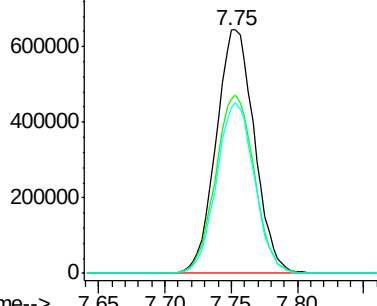
62 68.1 54.4 81.6



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: 10.713 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion: 88 Resp: 464161

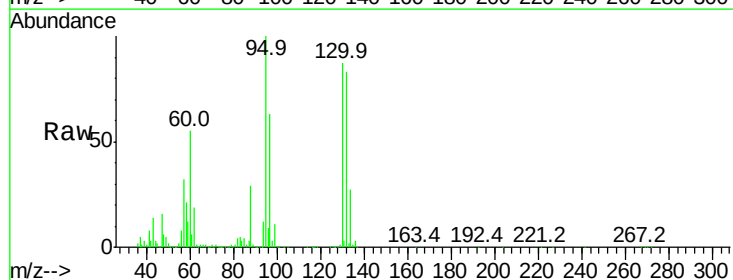
Ion Ratio Lower Upper

88 100

58 130.3 104.0 156.0

43 271.4 0.0 0.0#

57 1214.8 0.0 0.0#

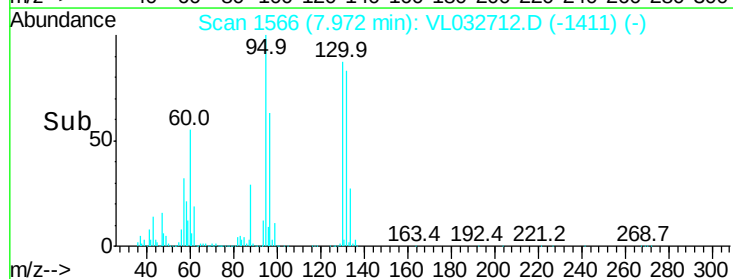
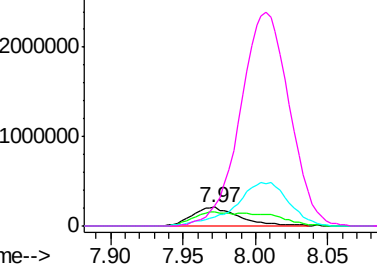


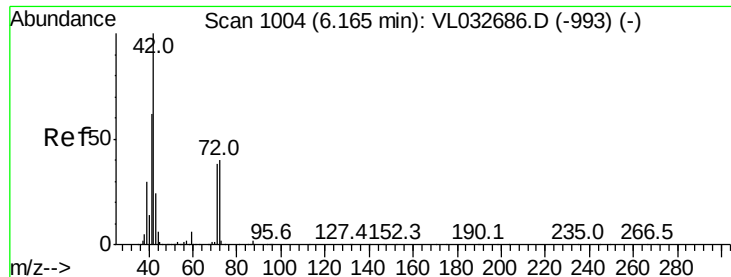
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.292 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

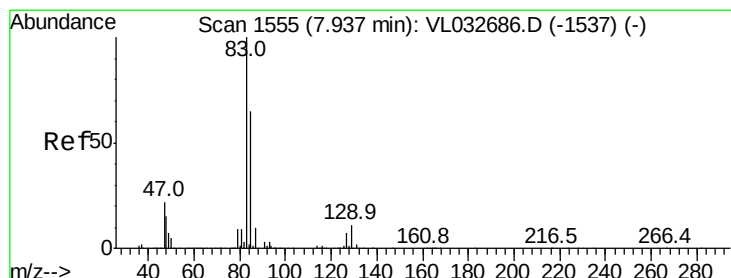
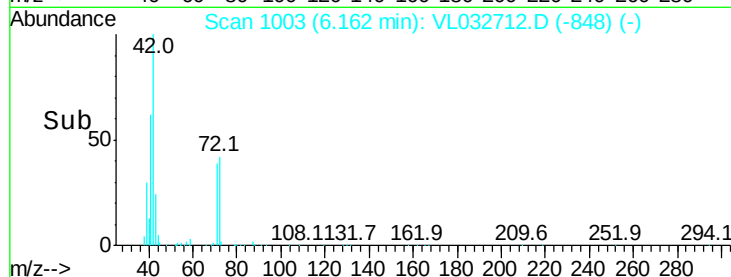
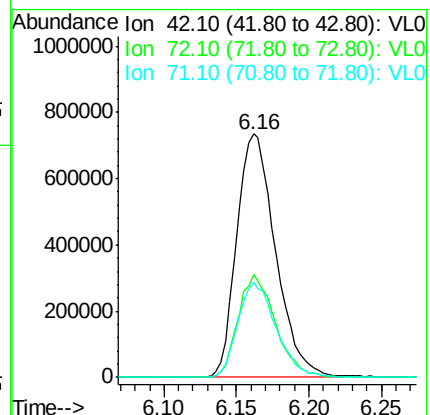
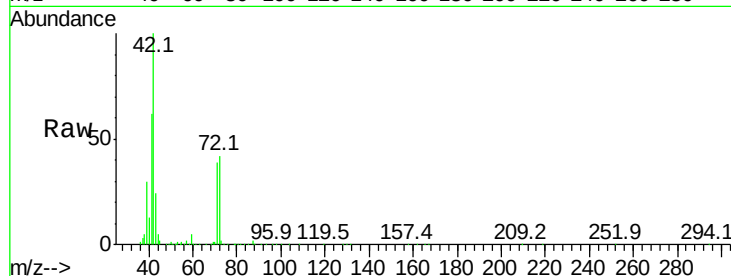
Tgt Ion: 42 Resp: 1364693

Ion Ratio Lower Upper

42 100

72 40.8 32.4 48.6

71 38.7 31.3 46.9



#42

Bromodichloromethane

Concen: 10.109 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

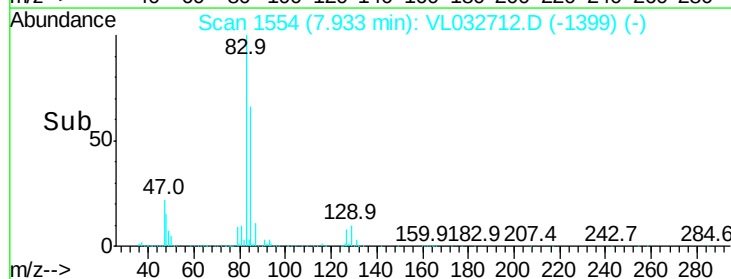
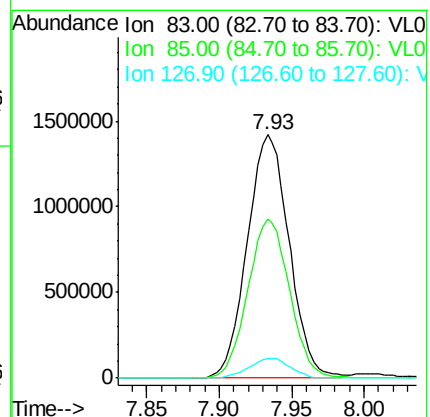
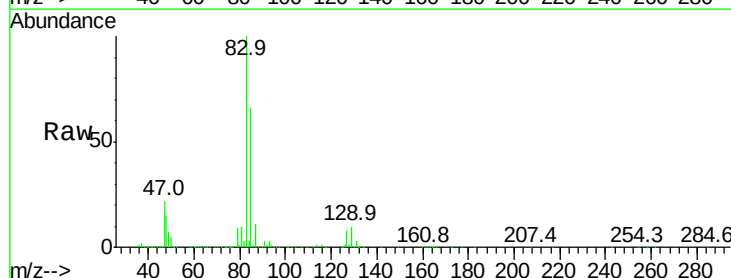
Tgt Ion: 83 Resp: 2854033

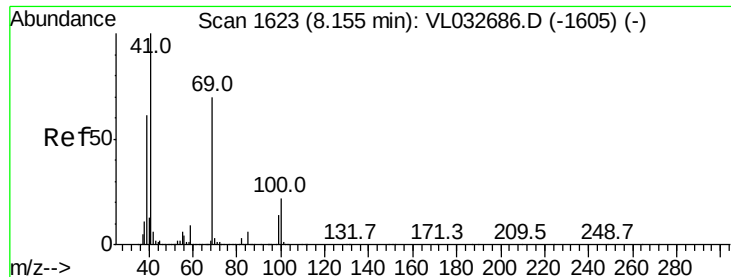
Ion Ratio Lower Upper

83 100

85 65.6 52.4 78.6

127 7.9 6.1 9.1

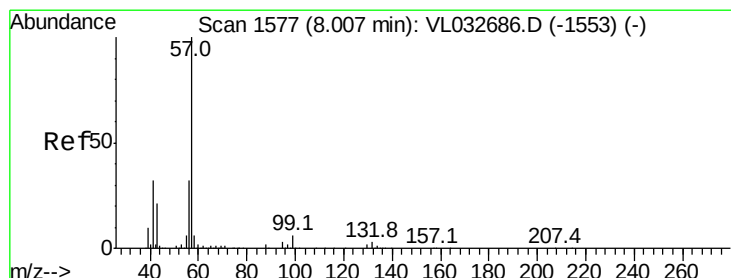
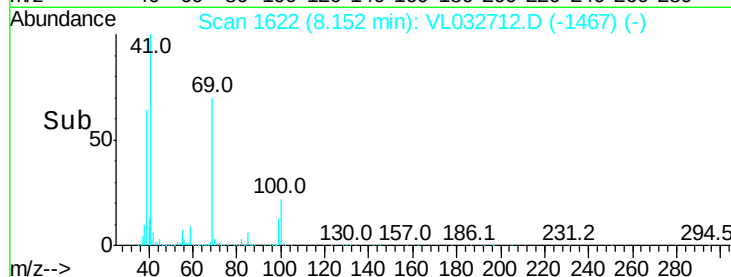
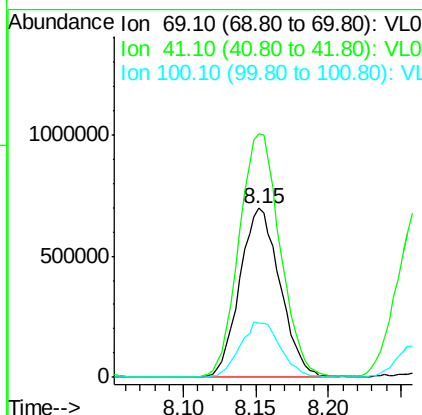
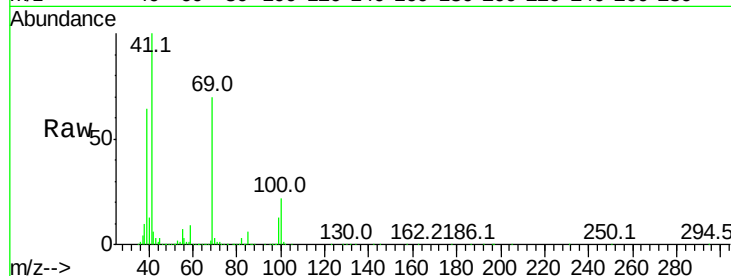




#43
Methyl Methacrylate
Concen: 11.221 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

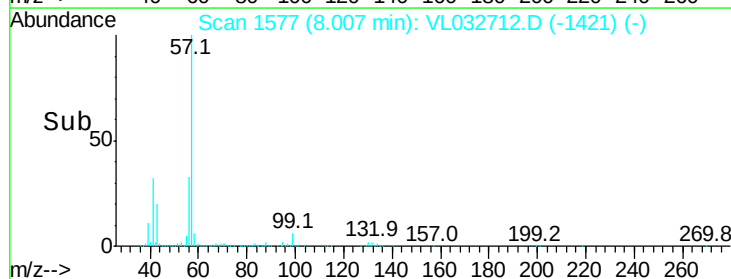
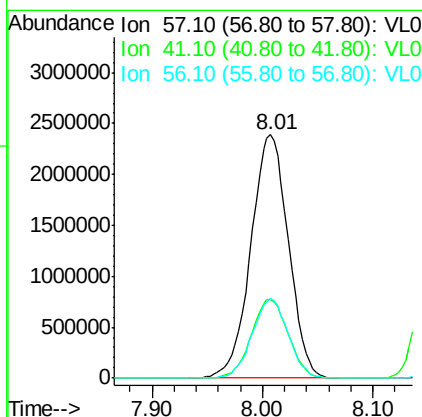
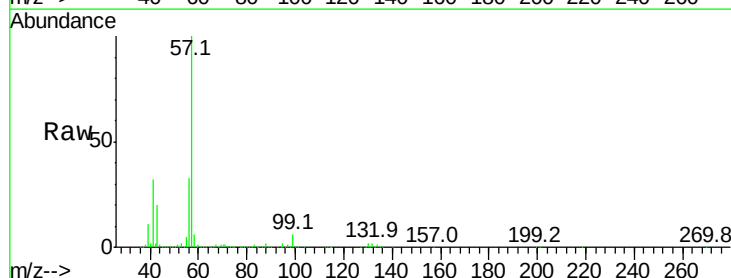
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

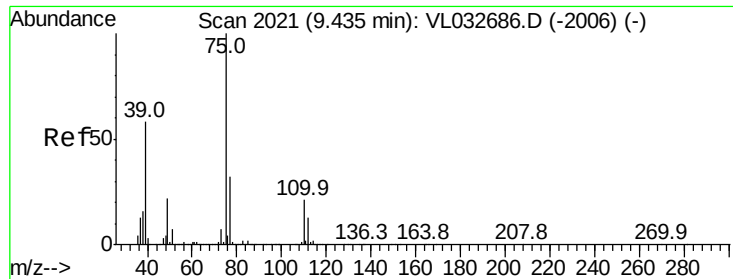
Tgt Ion: 69 Resp: 1351083
Ion Ratio Lower Upper
69 100
41 146.9 113.2 169.8
100 33.1 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.040 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 57 Resp: 5630956
Ion Ratio Lower Upper
57 100
41 31.9 24.7 37.1
56 31.2 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 12.111 ppbv

RT: 9.43 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

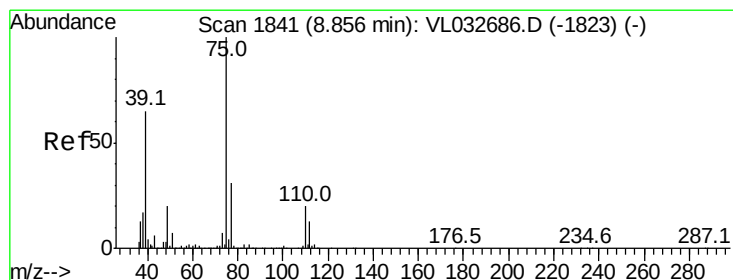
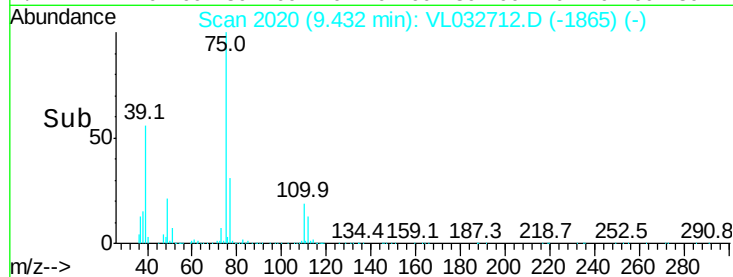
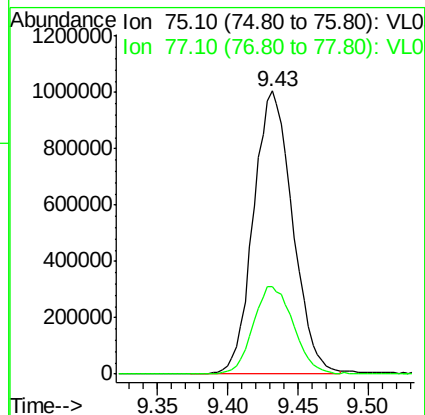
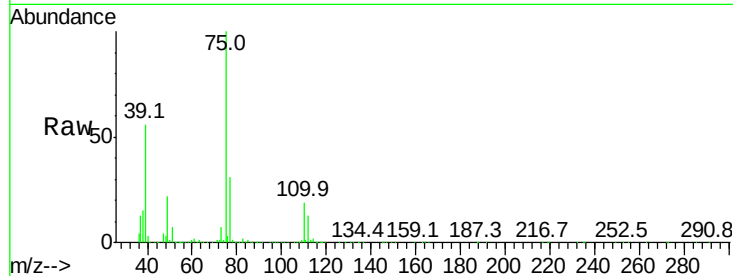
VSTDCCC010

Tgt Ion: 75 Resp: 1951975

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 12.477 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

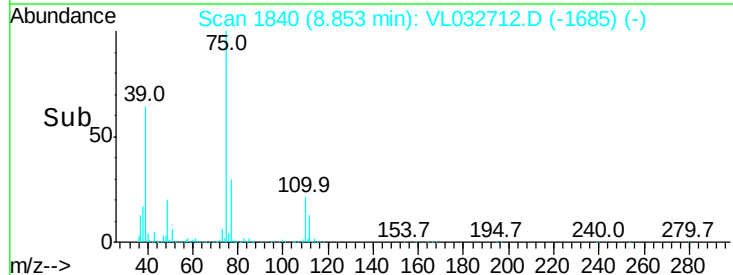
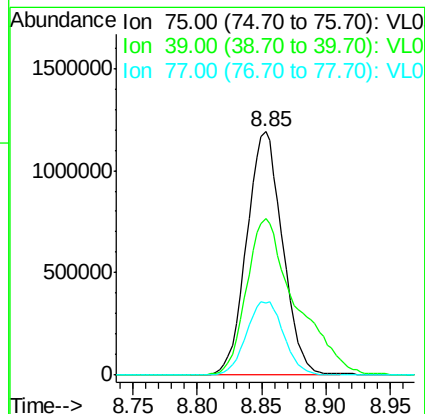
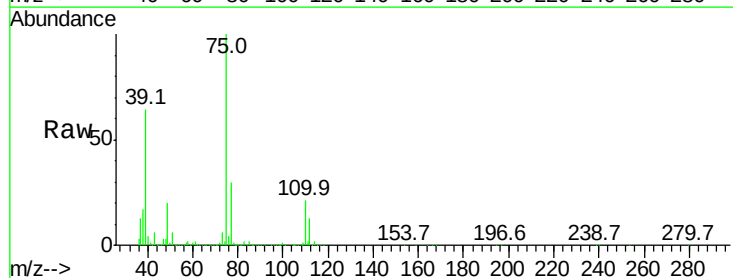
Tgt Ion: 75 Resp: 2297523

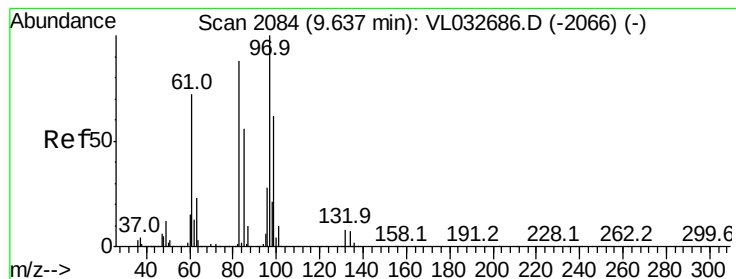
Ion Ratio Lower Upper

75 100

39 64.3 50.9 76.3

77 29.7 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 9.884 ppbv

RT: 9.63 min Scan# 2082

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1481683

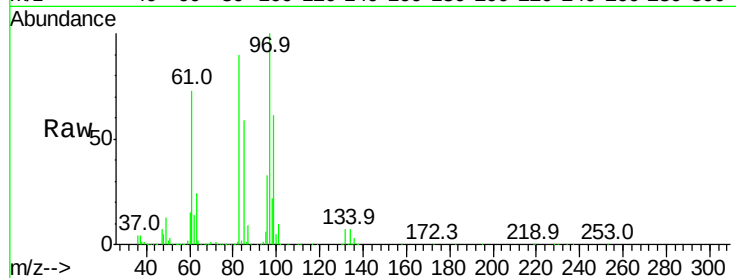
Ion Ratio Lower Upper

97 100

83 89.9 73.5 110.3

85 58.5 45.8 68.6

99 61.5 50.6 75.8

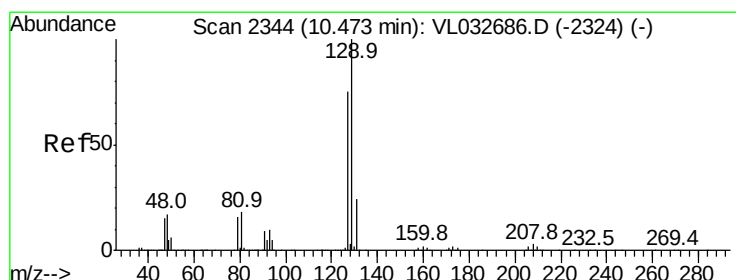
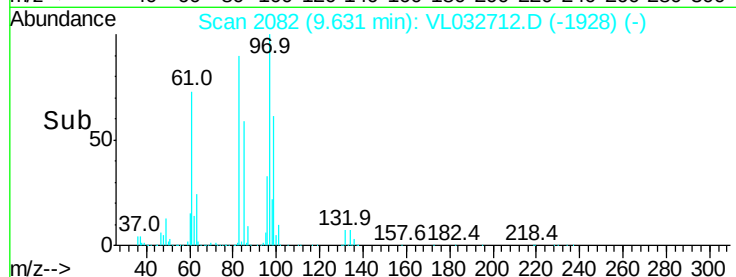
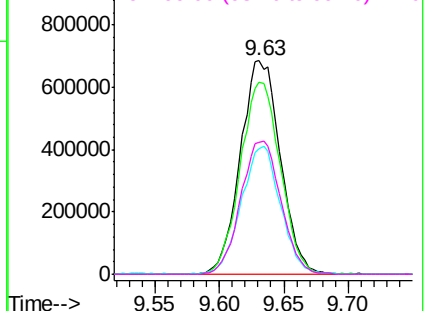


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.762 ppbv

RT: 10.47 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VL032712.D

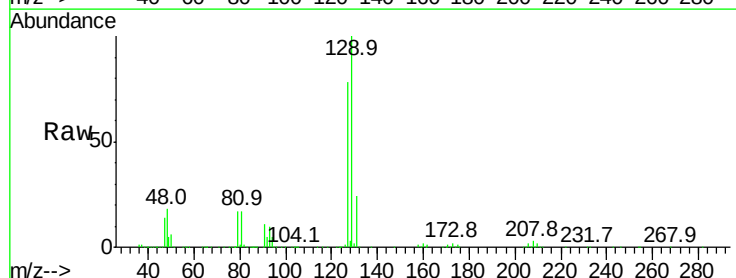
Acq: 7 Nov 2018 10:45

Tgt Ion: 129 Resp: 2439159

Ion Ratio Lower Upper

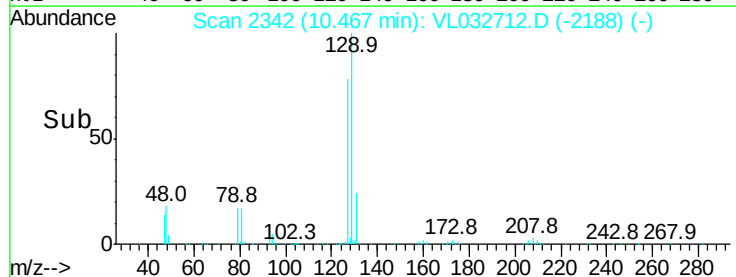
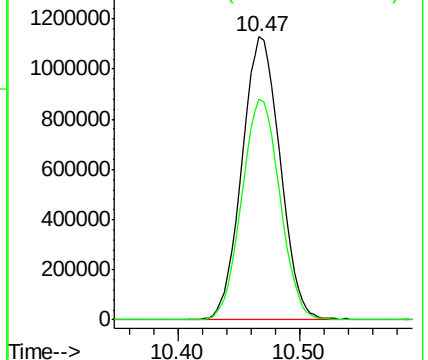
129 100

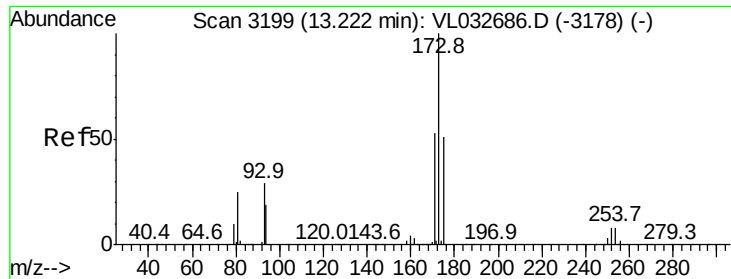
127 78.2 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.403 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

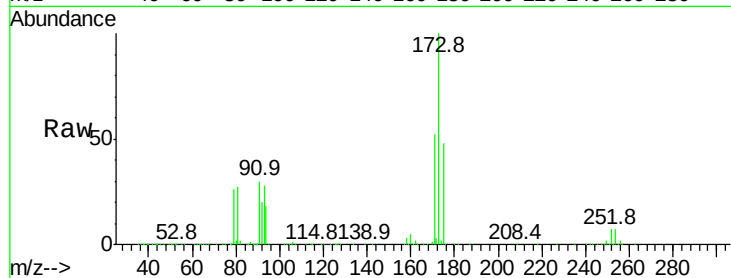
Tgt Ion:173 Resp: 2042650

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

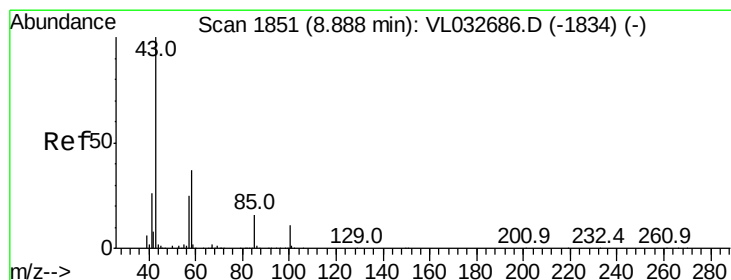
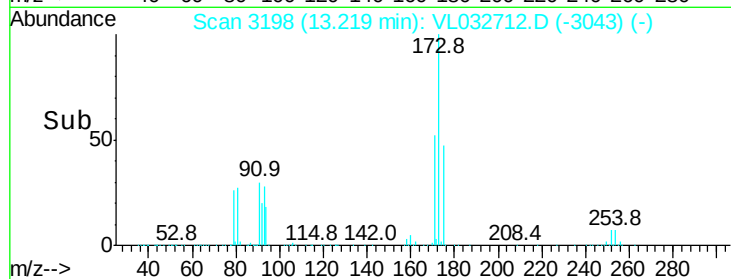
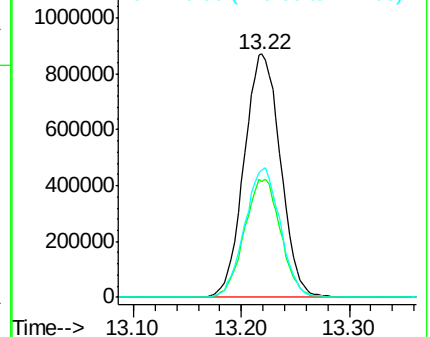
171 52.2 42.2 63.2



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: 10.995 ppbv

RT: 8.88 min Scan# 1850

Delta R.T. -0.00 min

Lab File: VL032712.D

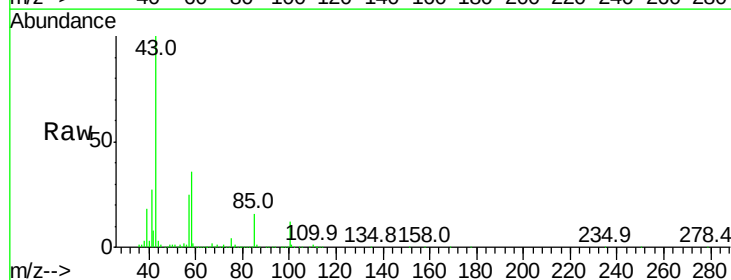
Acq: 7 Nov 2018 10:45

Tgt Ion: 43 Resp: 3532717

Ion Ratio Lower Upper

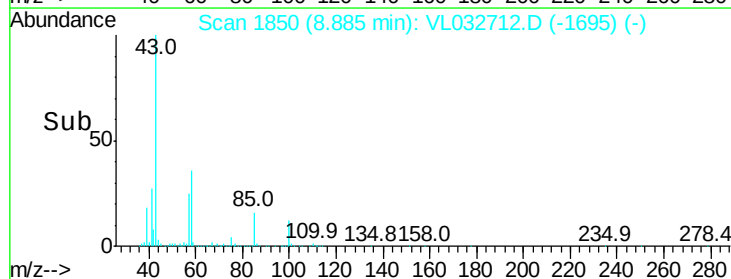
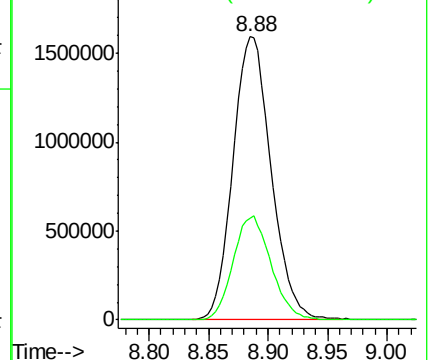
43 100

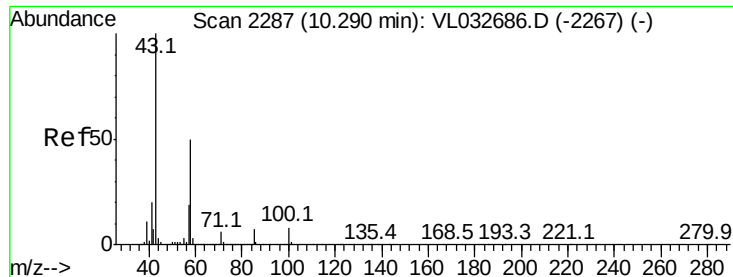
58 36.6 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.543 ppbv

RT: 10.29 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

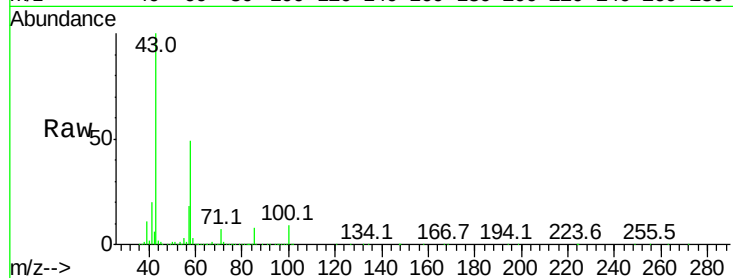
Tgt Ion: 43 Resp: 2518160

Ion Ratio Lower Upper

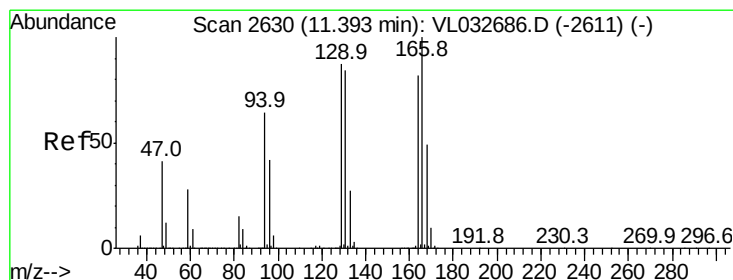
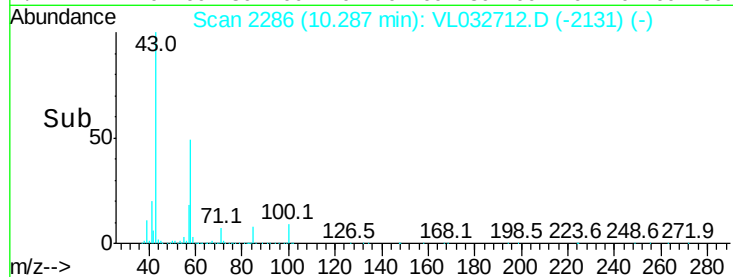
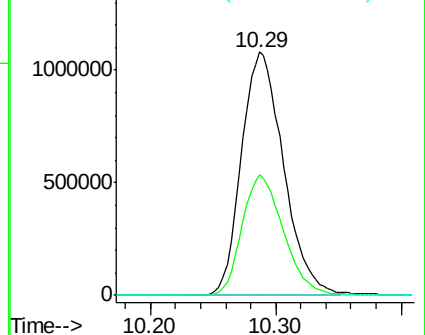
43 100

58 48.9 40.4 60.6

98 0.2 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: 10.273 ppbv

RT: 11.39 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion:164 Resp: 1176634

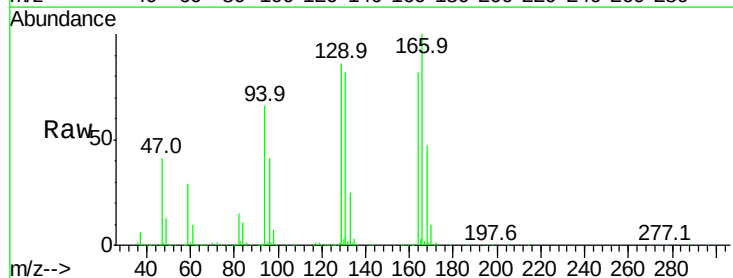
Ion Ratio Lower Upper

164 100

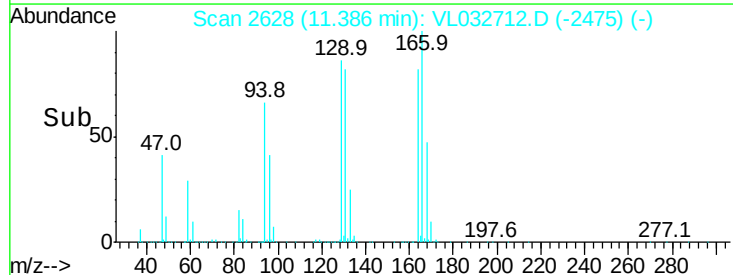
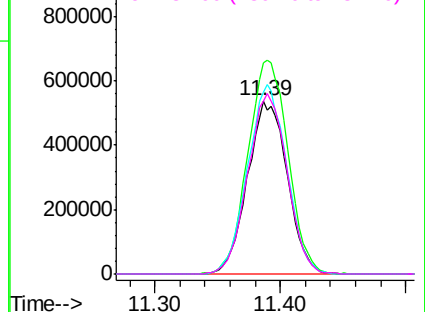
166 121.8 100.5 150.7

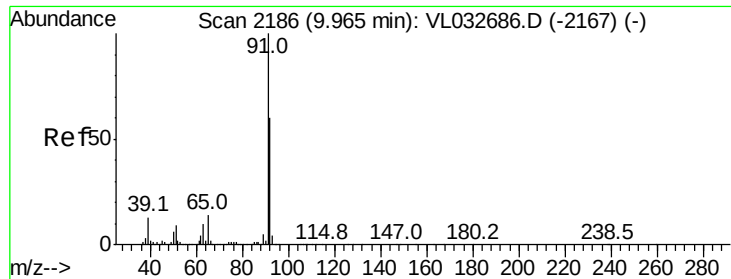
129 105.2 90.0 135.0

131 100.0 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: 10.418 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

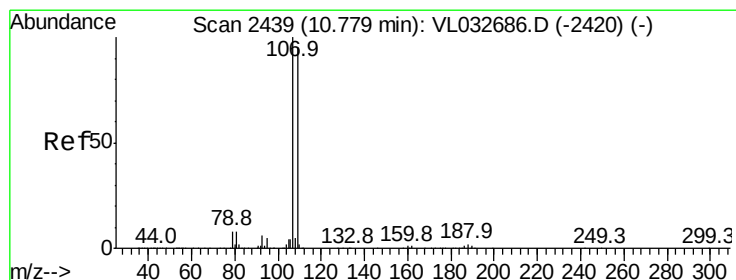
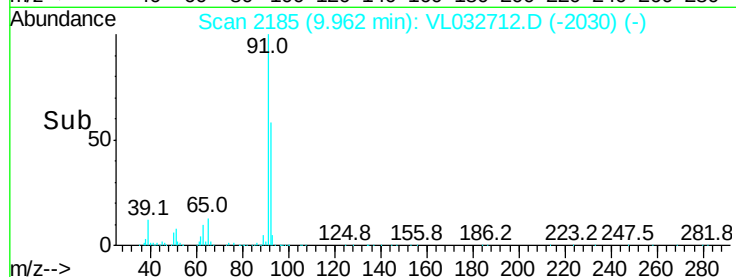
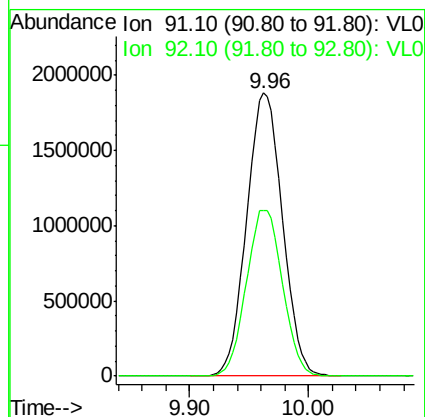
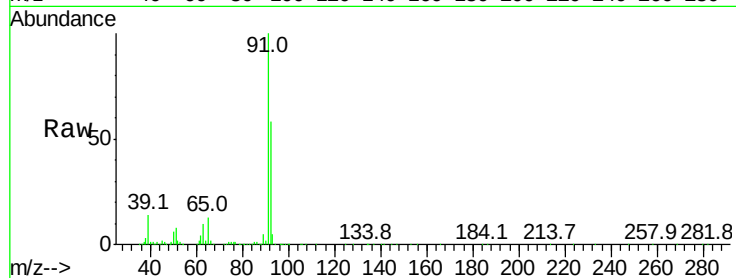
VSTDCCC010

Tgt Ion: 91 Resp: 3923361

Ion Ratio Lower Upper

91 100

92 59.4 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.305 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL032712.D

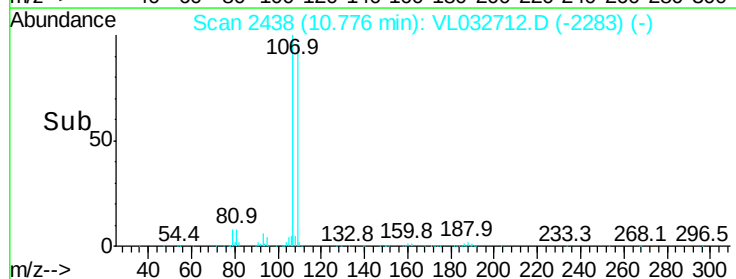
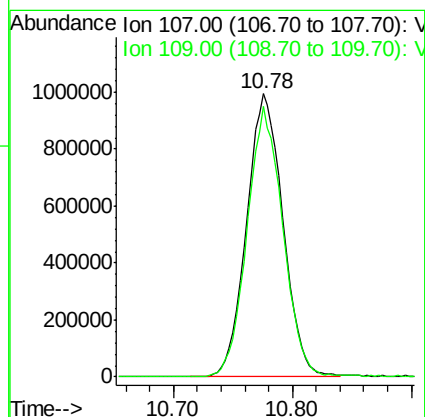
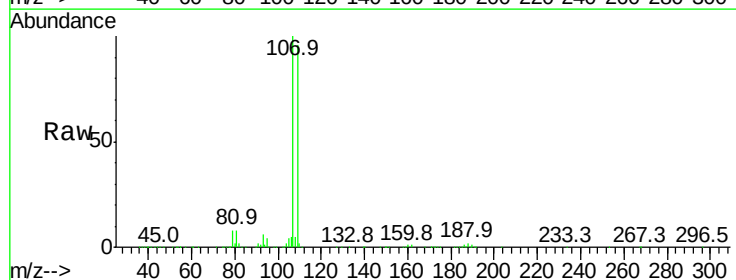
Acq: 7 Nov 2018 10:45

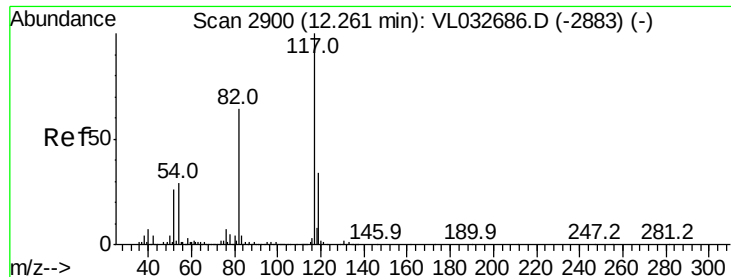
Tgt Ion: 107 Resp: 2099581

Ion Ratio Lower Upper

107 100

109 95.7 75.3 112.9

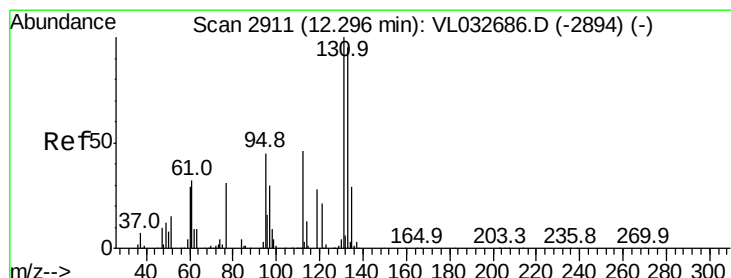
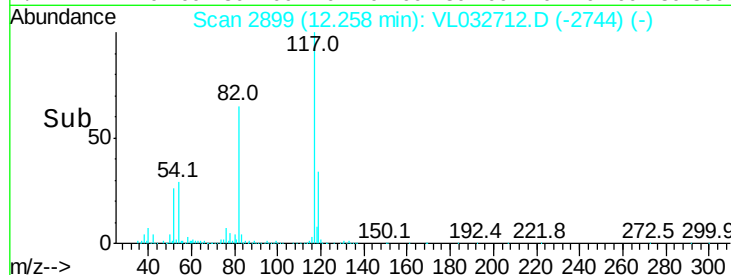
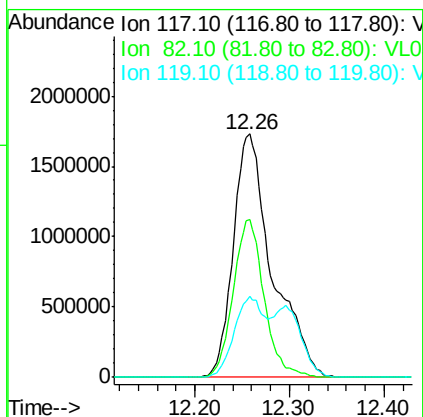
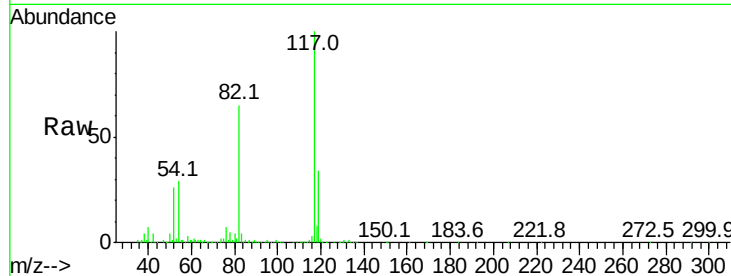




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

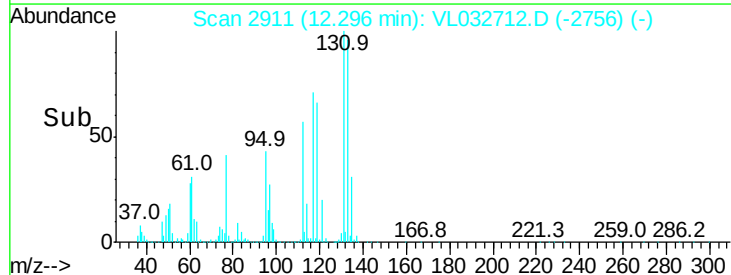
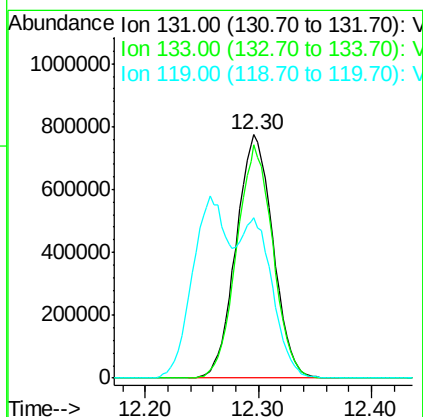
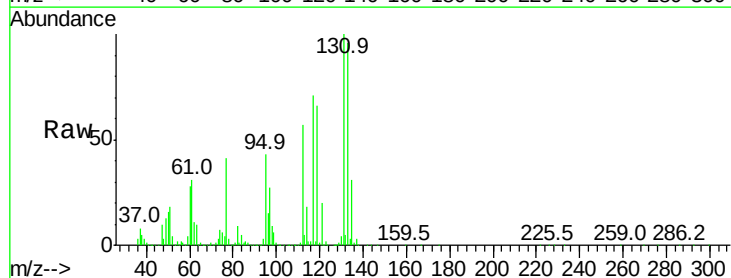
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

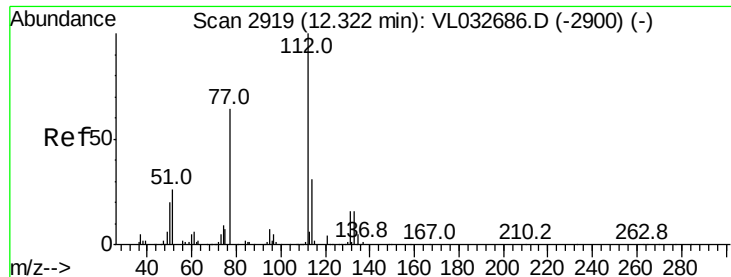
Tgt Ion:117 Resp: 4950738
Ion Ratio Lower Upper
117 100
82 51.5 52.7 79.1#
119 25.4 26.7 40.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.115 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion:131 Resp: 1756693
Ion Ratio Lower Upper
131 100
133 93.8 75.4 113.2
119 61.1 49.1 73.7





#57

Chlorobenzene

Concen: 8.062 ppbv

RT: 12.32 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

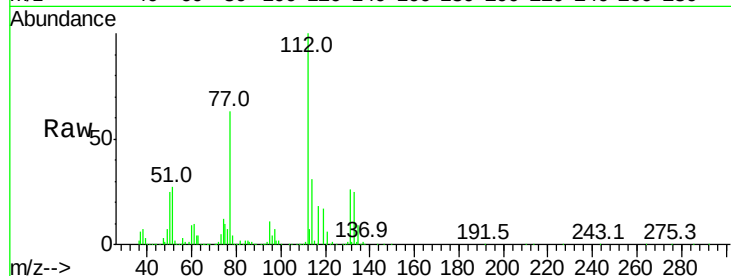
Tgt Ion:112 Resp: 2935250

Ion Ratio Lower Upper

112 100

77 63.0 56.8 85.2

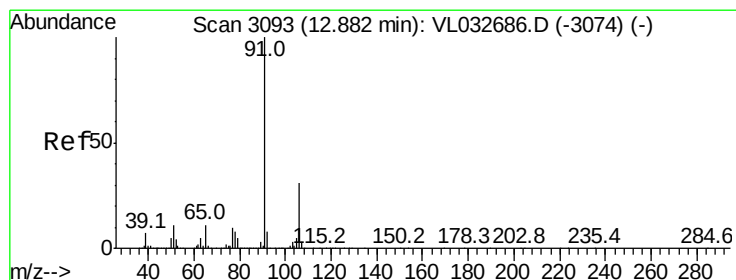
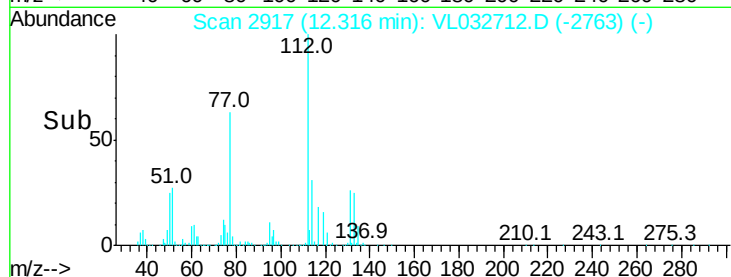
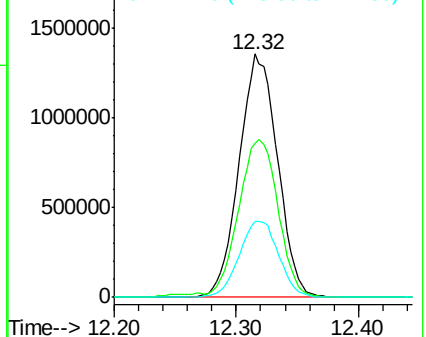
114 31.0 30.3 37.1



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: 9.133 ppbv

RT: 12.88 min Scan# 3093

Delta R.T. -0.00 min

Lab File: VL032712.D

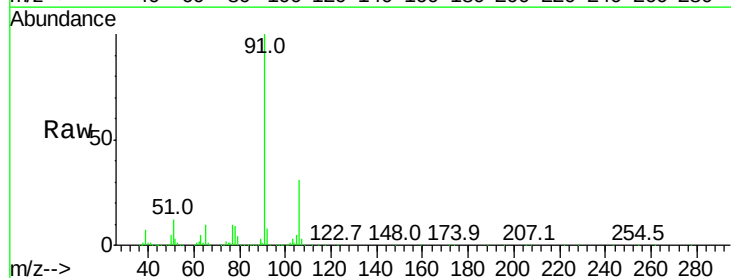
Acq: 7 Nov 2018 10:45

Tgt Ion: 91 Resp: 5252595

Ion Ratio Lower Upper

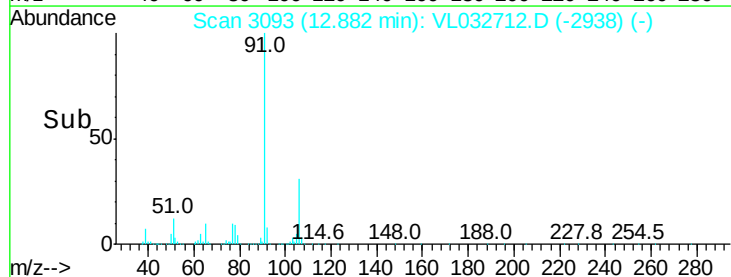
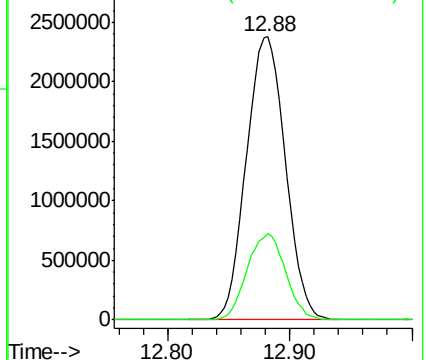
91 100

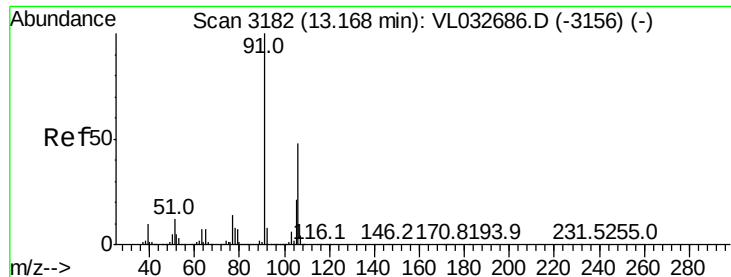
106 30.6 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

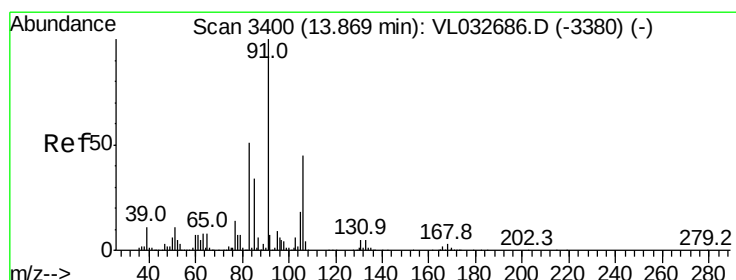
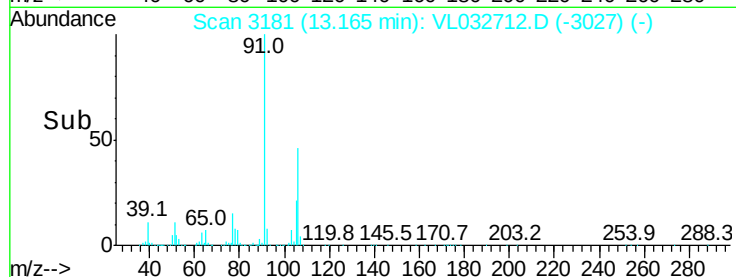
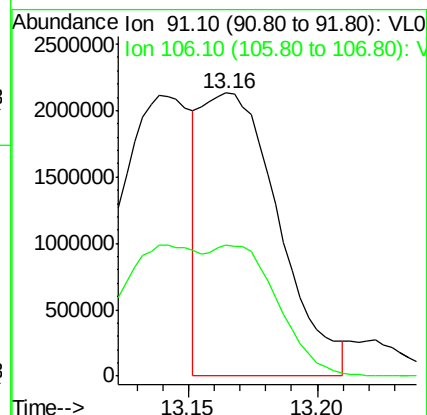
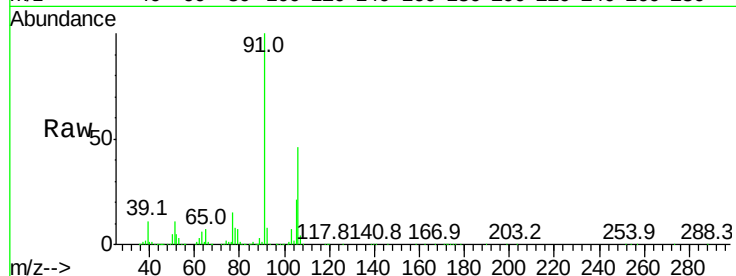




#59
m/p-Xylene
Concen: 8.662 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

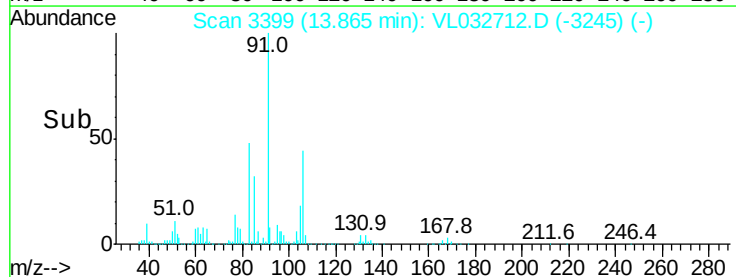
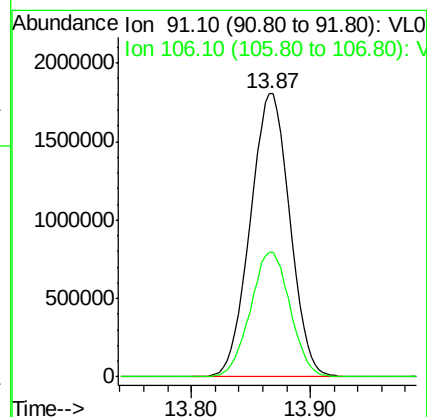
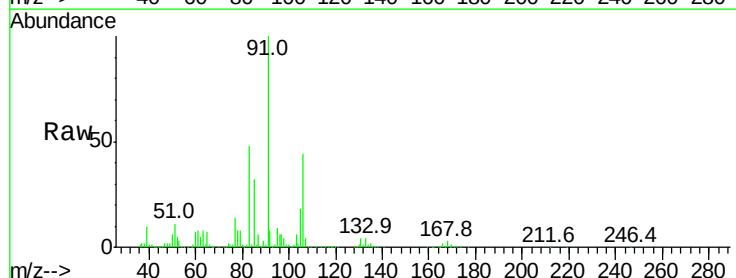
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

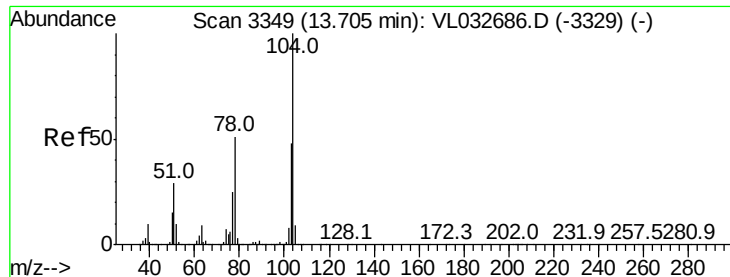
Tgt Ion: 91 Resp: 4436521
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#



#60
o-Xylene
Concen: 8.408 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 91 Resp: 4153776
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.1





#61

Styrene

Concen: 9.600 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

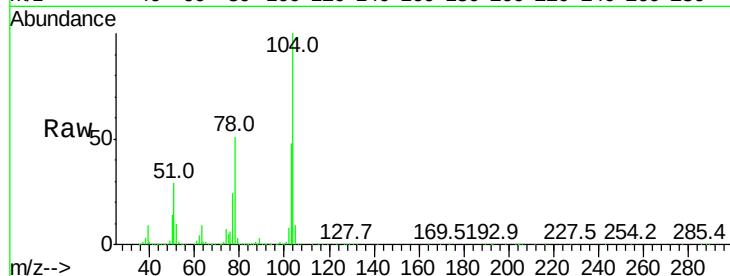
Tgt Ion:104 Resp: 3180047

Ion Ratio Lower Upper

104 100

78 50.9 42.8 64.2

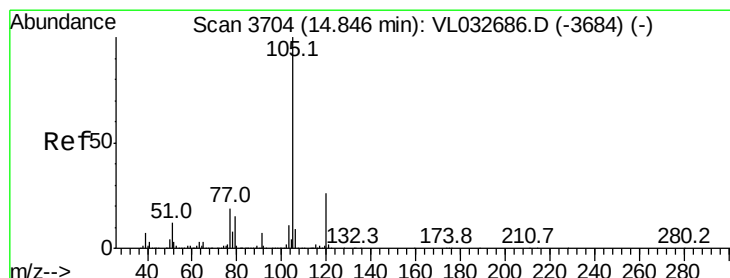
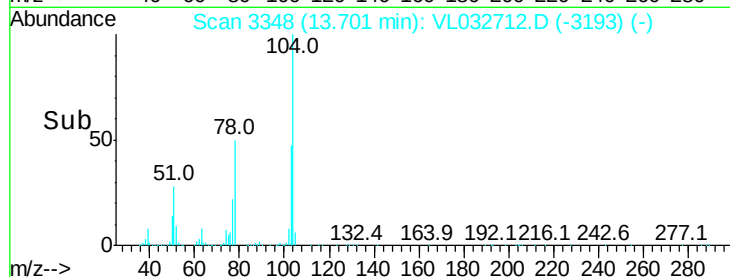
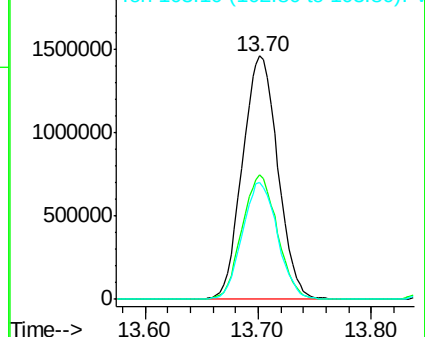
103 47.8 37.4 56.0



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: 8.350 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VL032712.D

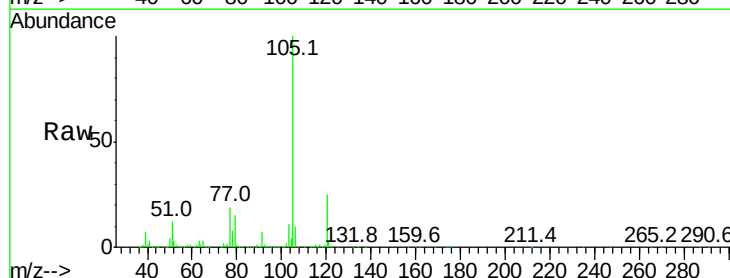
Acq: 7 Nov 2018 10:45

Tgt Ion:105 Resp: 5838404

Ion Ratio Lower Upper

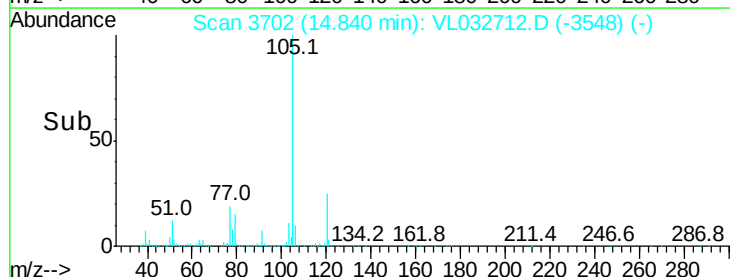
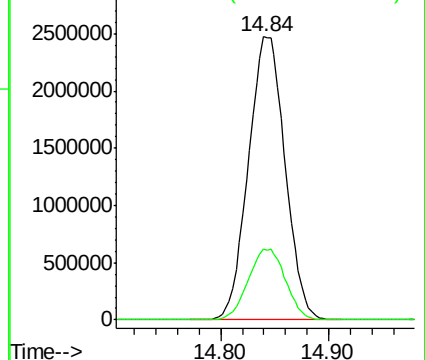
105 100

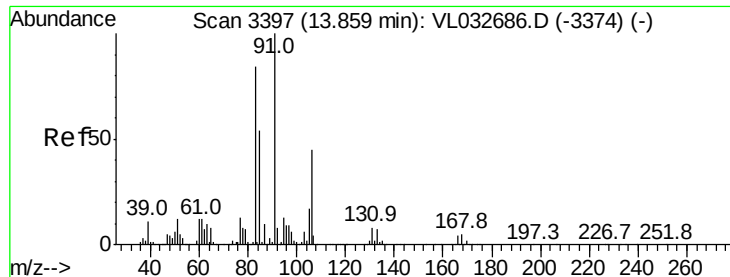
120 25.4 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

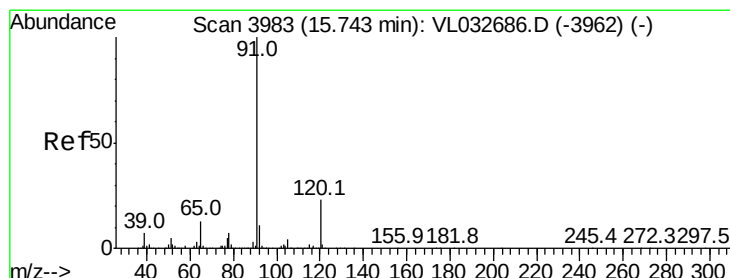
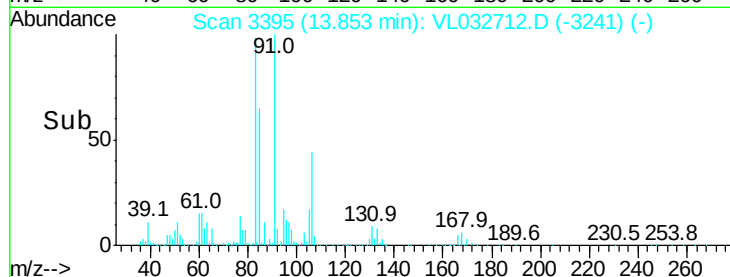
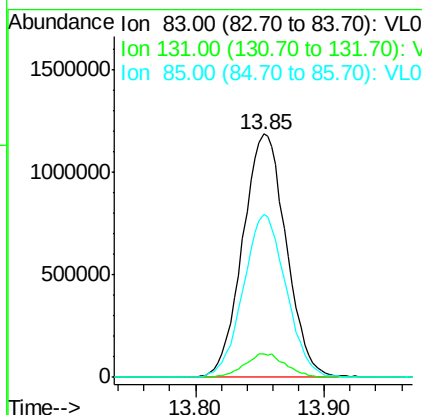
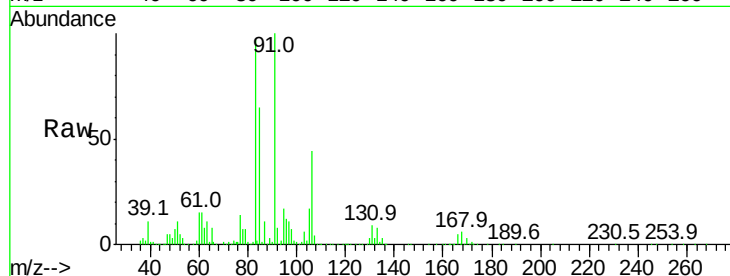




#63
1,1,2,2-Tetrachloroethane
Concen: 7.184 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

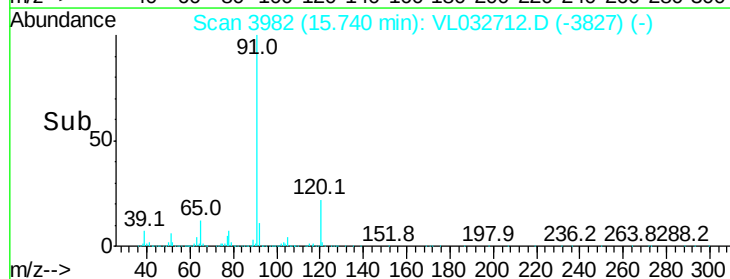
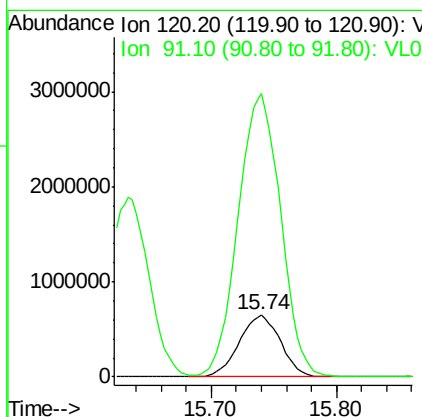
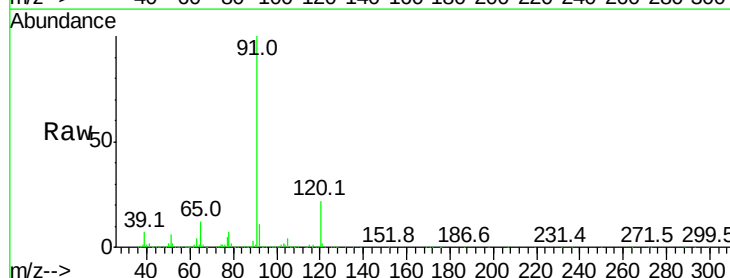
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

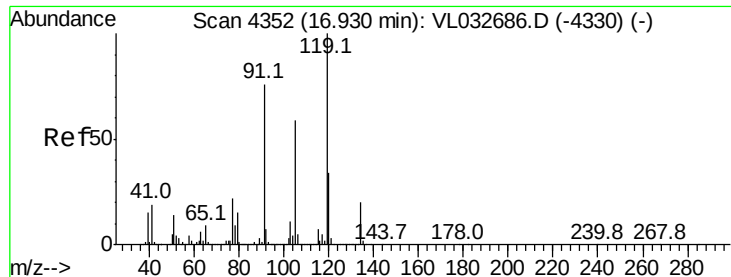
Tgt Ion: 83 Resp: 2780886
Ion Ratio Lower Upper
83 100
131 9.3 4.3 12.9
85 66.3 32.3 96.9



#64
n-propylbenzene
Concen: 8.557 ppbv
RT: 15.74 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL032712.D
Acq: 7 Nov 2018 10:45

Tgt Ion: 120 Resp: 1486940
Ion Ratio Lower Upper
120 100
91 471.8 390.2 585.2

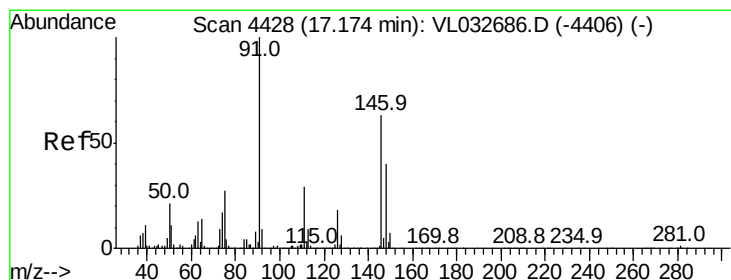
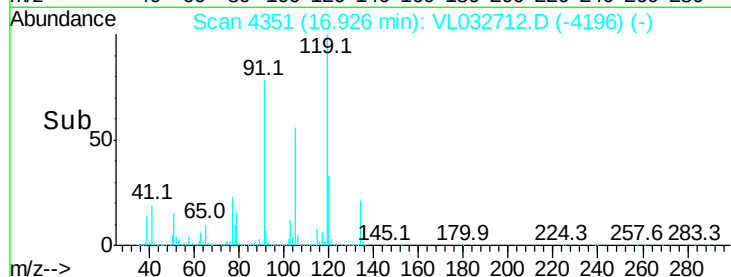
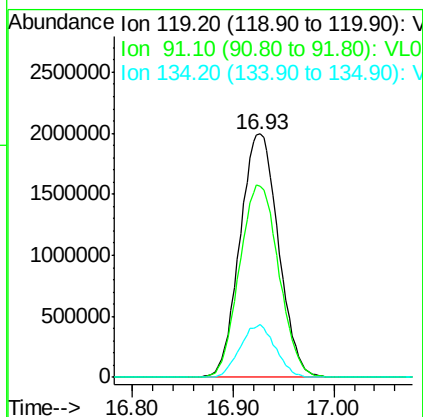
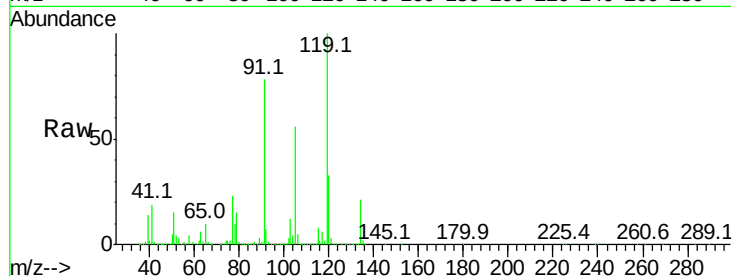




#65
 tert-Butylbenzene
 Concen: 8.853 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

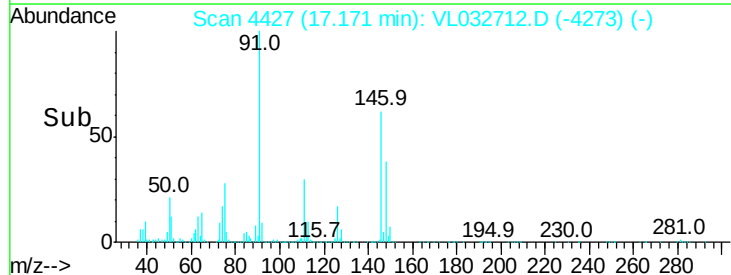
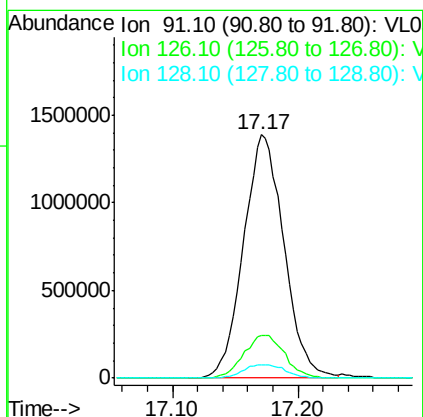
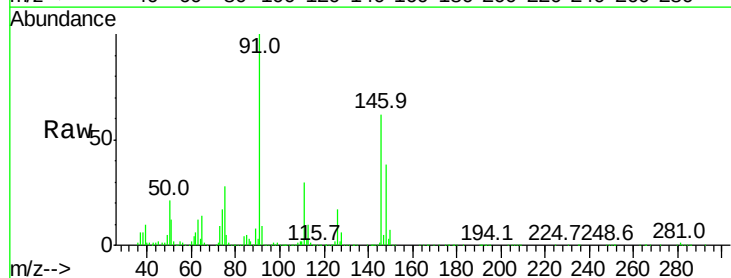
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

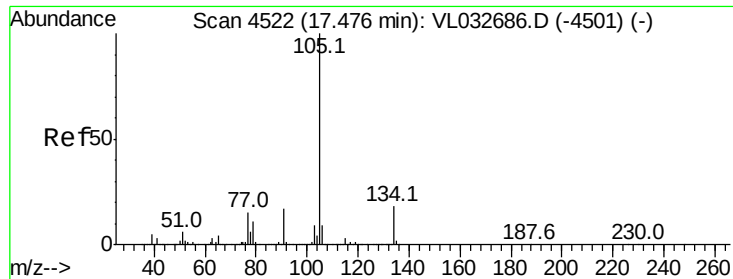
Tgt Ion: 119 Resp: 5271949
 Ion Ratio Lower Upper
 119 100
 91 81.0 67.8 101.8
 134 20.0 15.8 23.8



#66
 Benzyl Chloride
 Concen: 10.102 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 91 Resp: 3105912
 Ion Ratio Lower Upper
 91 100
 126 18.0 13.9 20.9
 128 5.9 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.162 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

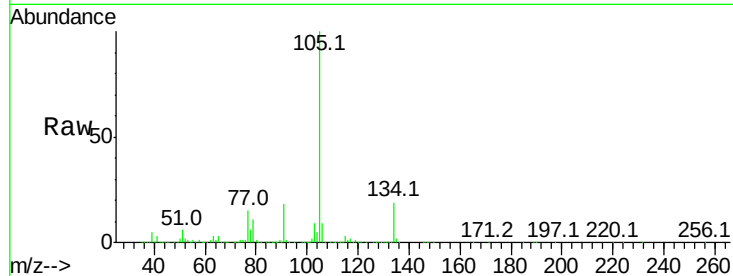
VSTDCCC010

Tgt Ion:105 Resp: 6912870

Ion Ratio Lower Upper

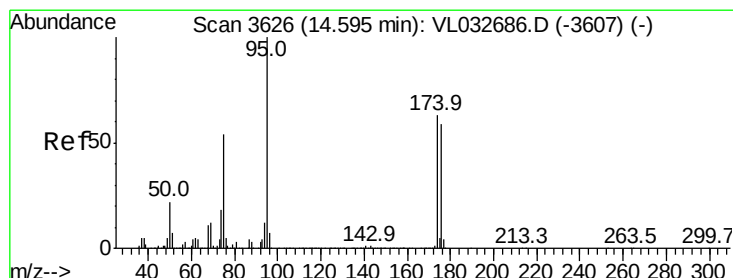
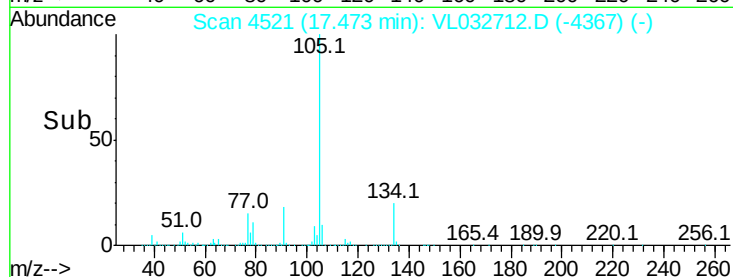
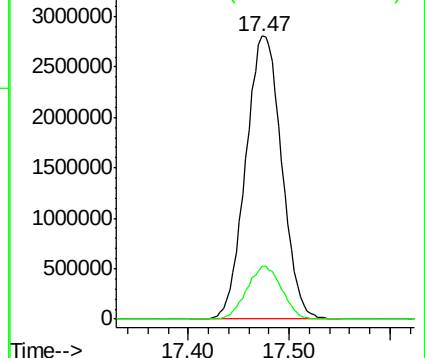
105 100

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: 8.016 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

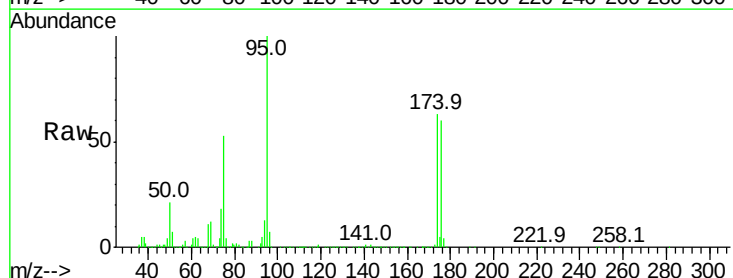
Tgt Ion: 95 Resp: 2954854

Ion Ratio Lower Upper

95 100

174 63.5 46.0 69.0

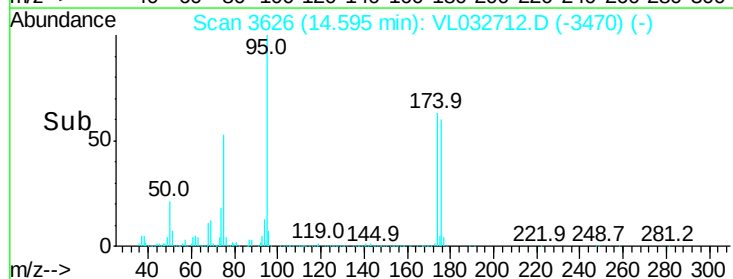
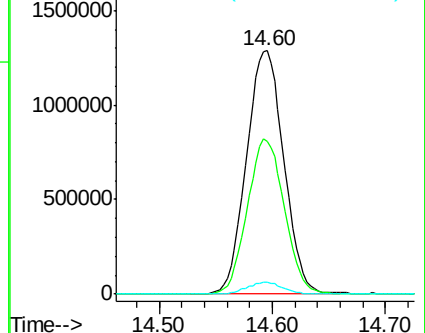
175 4.6 3.4 5.0

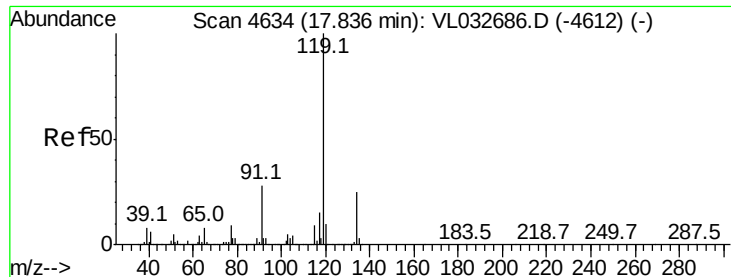


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



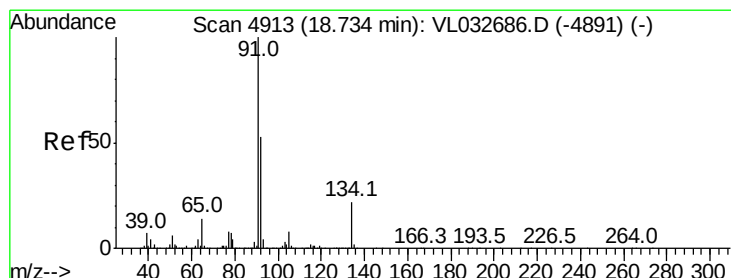
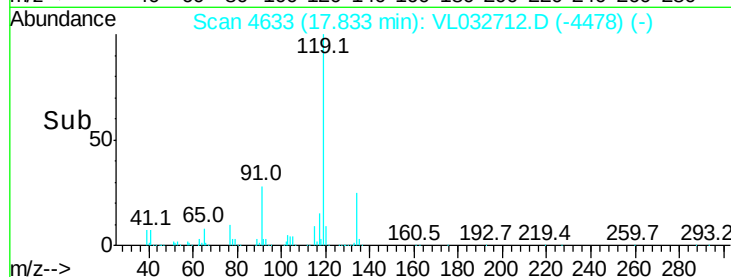
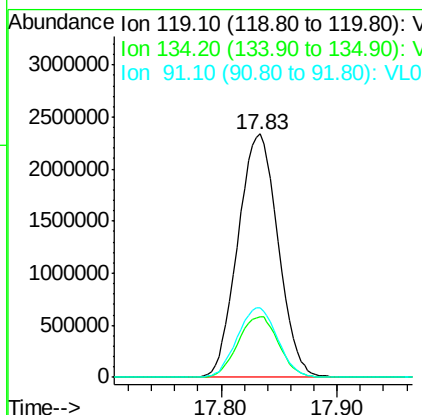
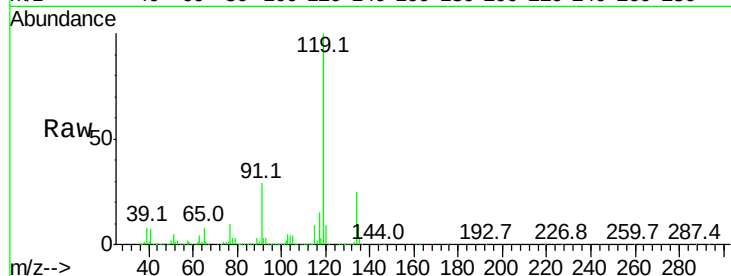


#69
 p-Isopropyltoluene
 Concen: 8.376 ppbv
 RT: 17.83 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 5621547

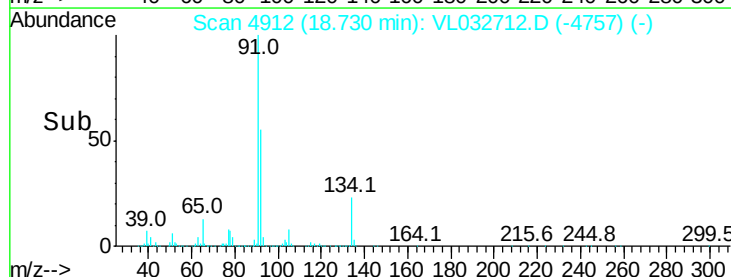
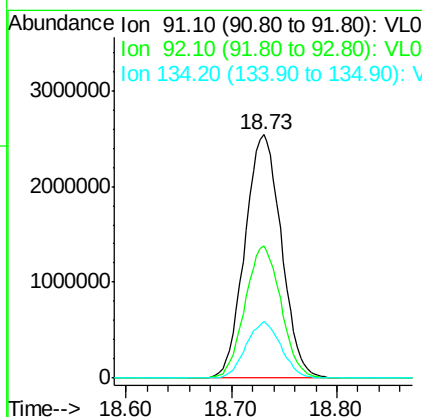
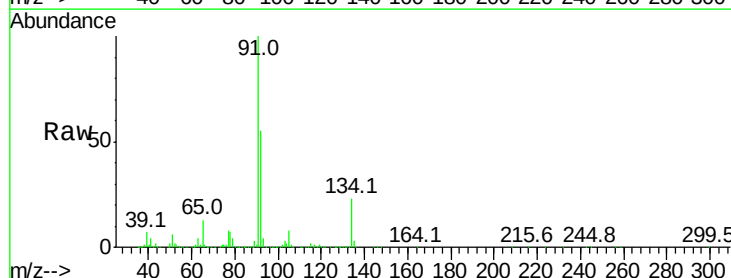
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	28.6	24.0	36.0

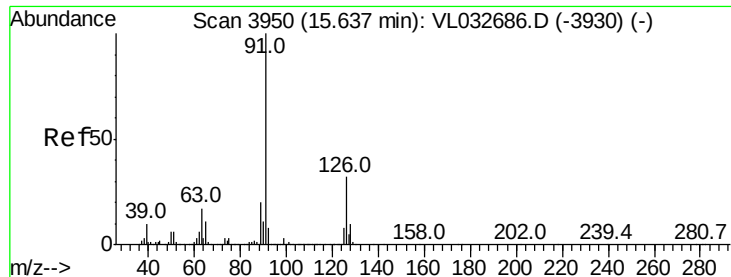


#70
 n-Butylbenzene
 Concen: 8.840 ppbv
 RT: 18.73 min Scan# 4912
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion: 91 Resp: 6107689

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.0	64.4
134	22.3	17.0	25.6





#71

2-Chlorotoluene

Concen: 8.805 ppbv

RT: 15.63 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

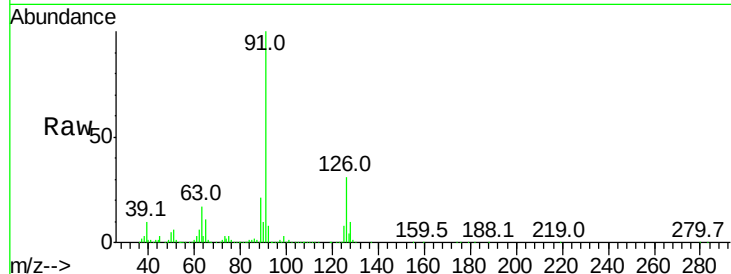
VSTDCCC010

Tgt Ion: 91 Resp: 4375574

Ion Ratio Lower Upper

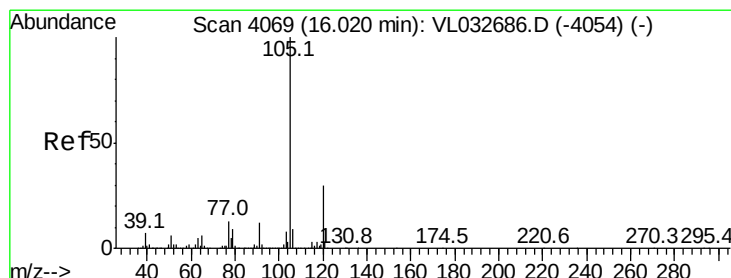
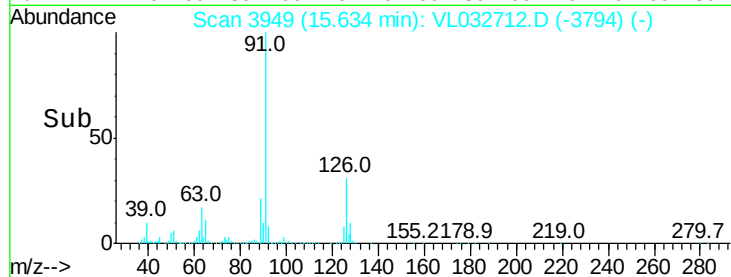
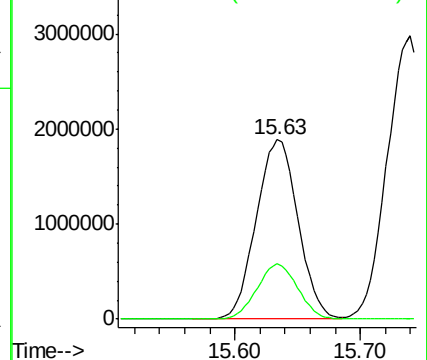
91 100

126 30.0 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.956 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion: 105 Resp: 4712490

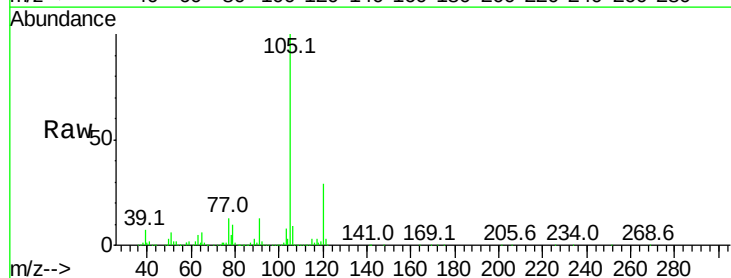
Ion Ratio Lower Upper

105 100

120 29.0 23.7 35.5

91 12.6 10.4 15.6

77 13.6 11.4 17.2

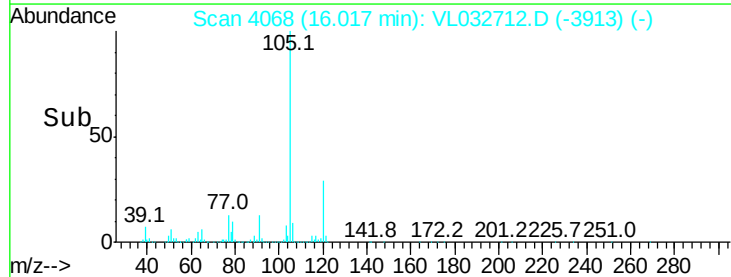
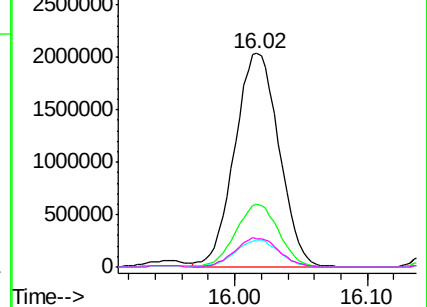


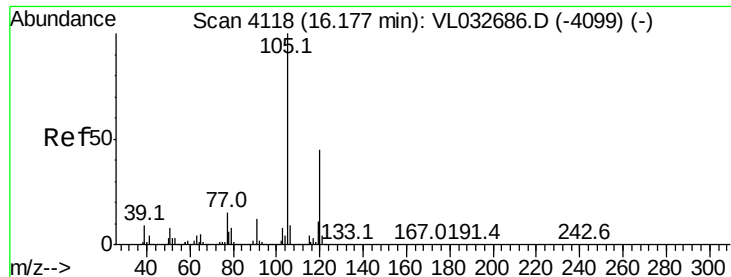
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

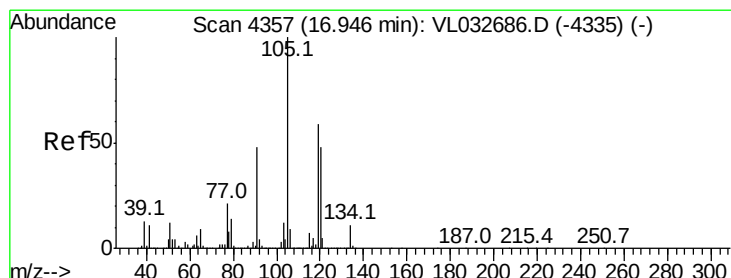
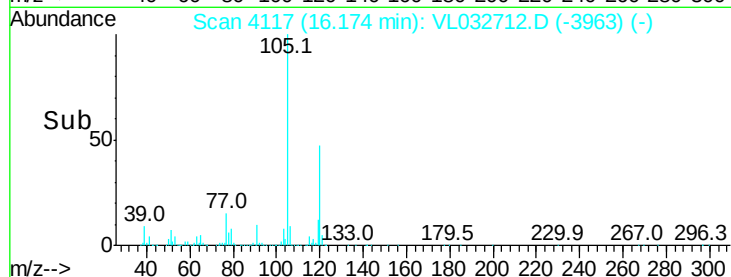
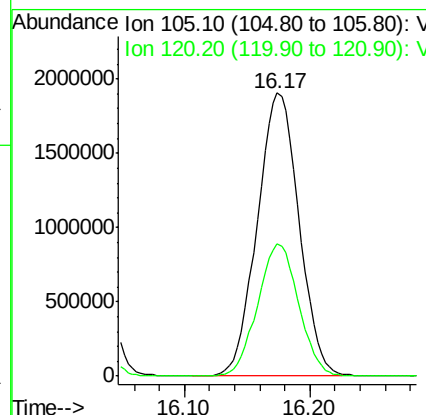
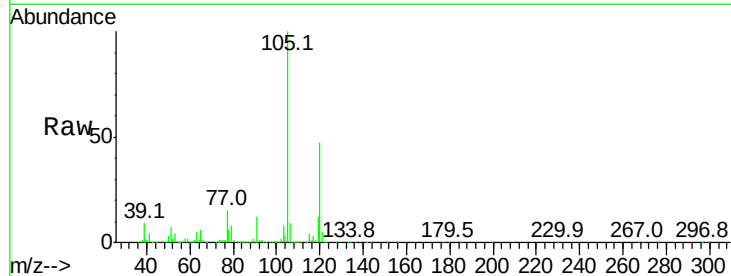




#73
 1,3,5-Trimethylbenzene
 Concen: 8.571 ppbv
 RT: 16.17 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

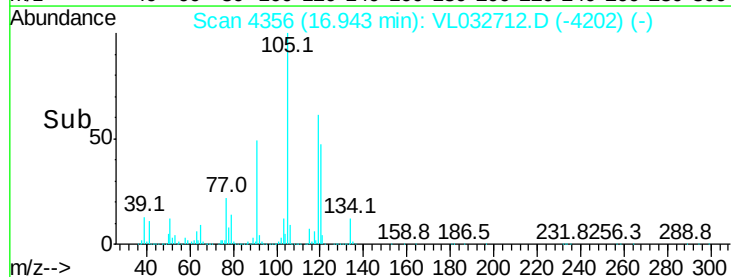
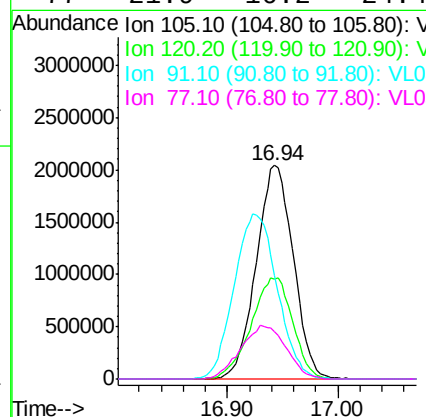
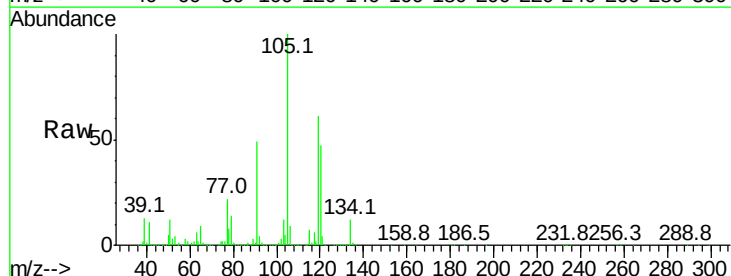
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

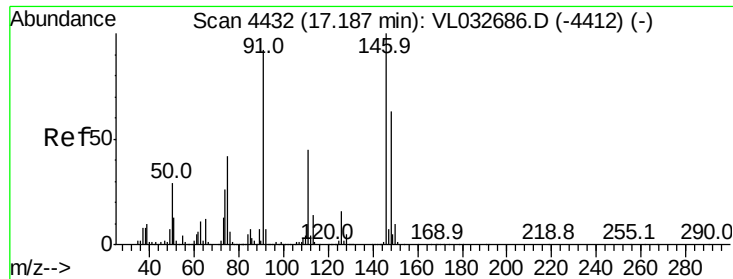
Tgt Ion:105 Resp: 4393026
 Ion Ratio Lower Upper
 105 100
 120 46.9 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 8.690 ppbv
 RT: 16.94 min Scan# 4356
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion:105 Resp: 4756178
 Ion Ratio Lower Upper
 105 100
 120 46.8 35.8 53.8
 91 48.6 33.2 49.8
 77 21.9 16.2 24.4

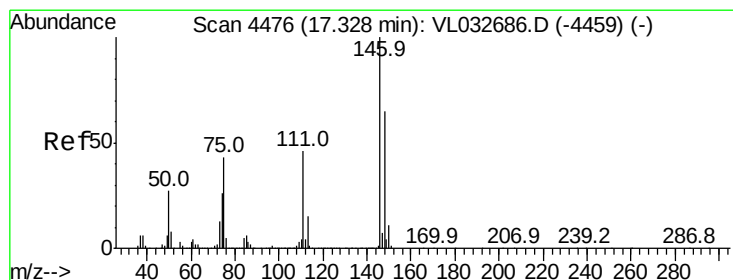
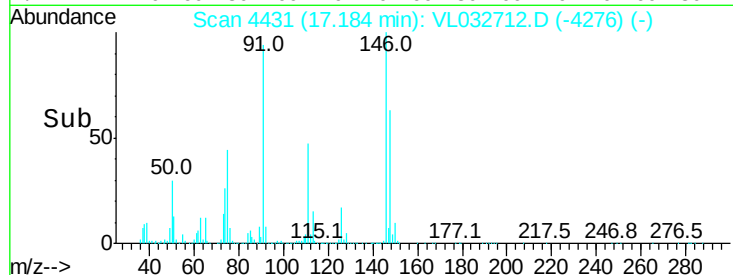
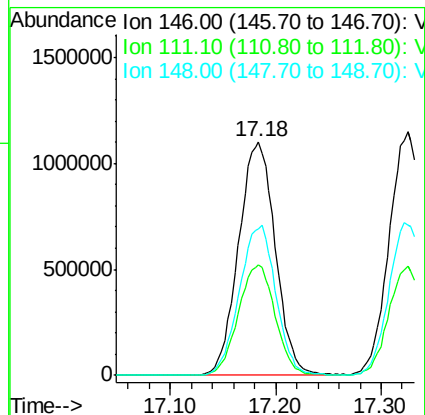
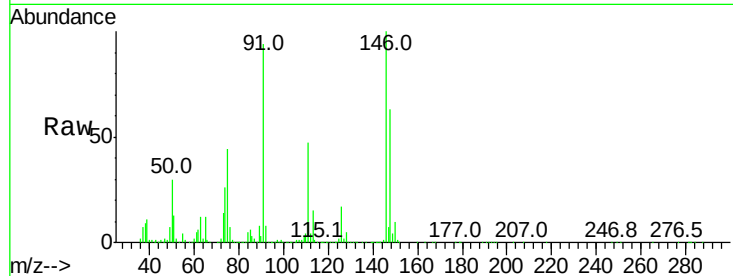




#75
 1,3-Dichlorobenzene
 Concen: 8.481 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

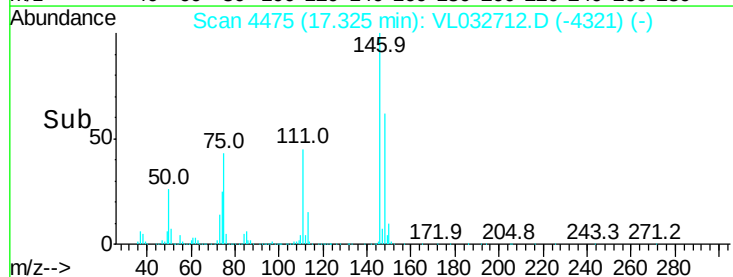
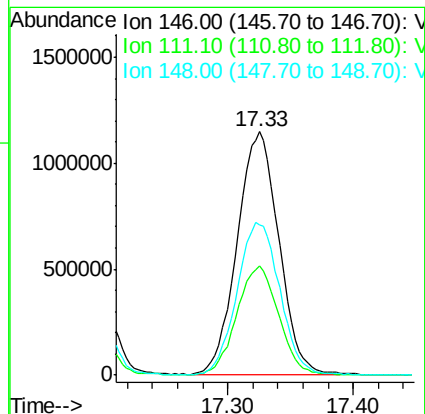
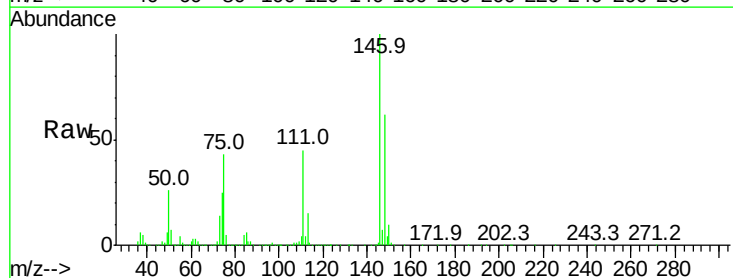
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

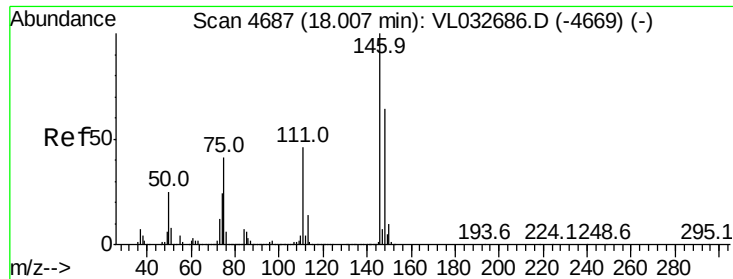
Tgt Ion:146 Resp: 2669107
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.4 73.2
 148 63.9 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 9.069 ppbv
 RT: 17.33 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion:146 Resp: 2633918
 Ion Ratio Lower Upper
 146 100
 111 45.6 23.7 71.1
 148 64.8 32.1 96.3

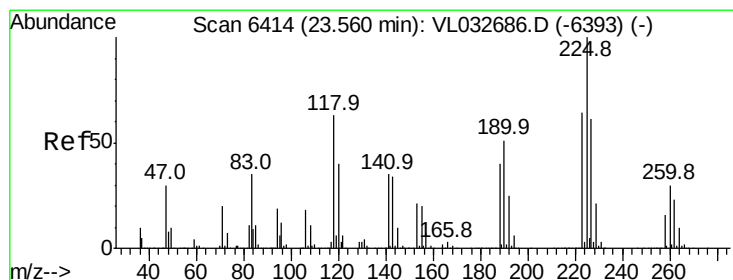
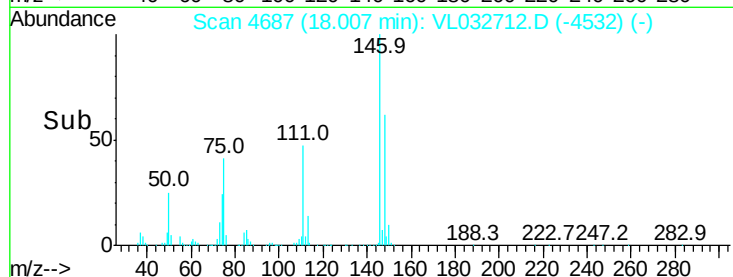
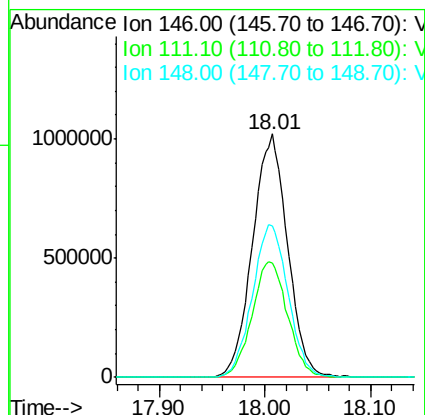
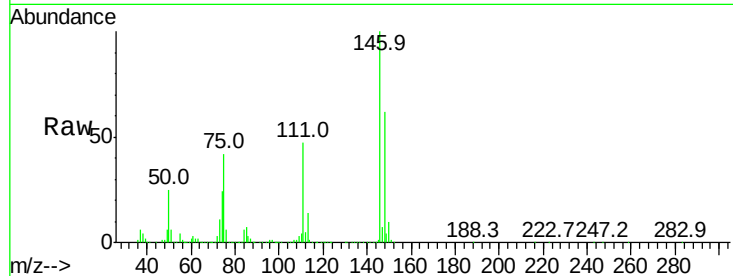




#77
 1,2-Dichlorobenzene
 Concen: 7.919 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

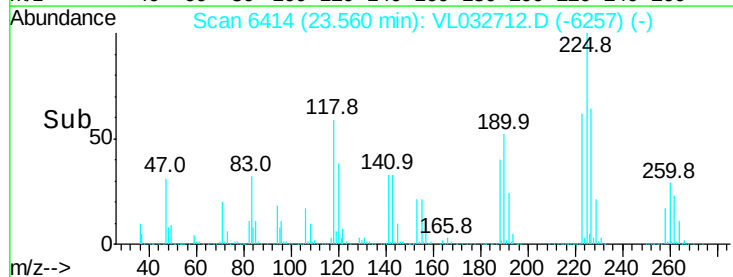
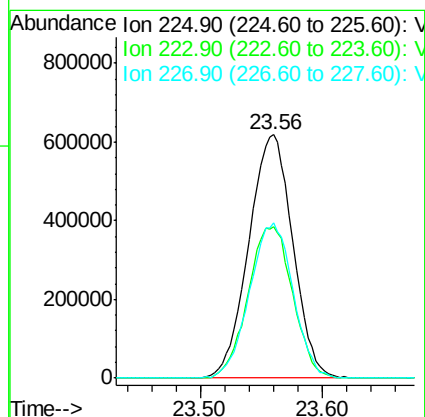
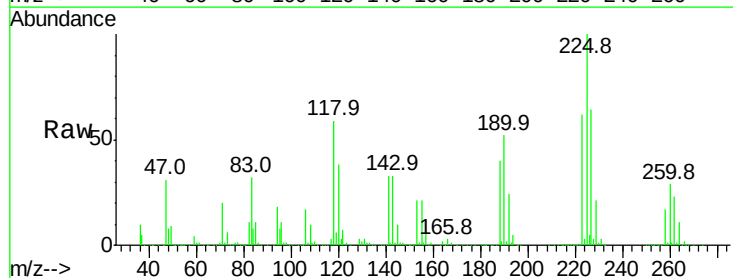
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

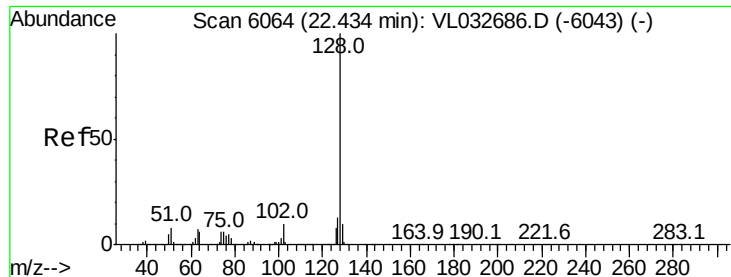
Tgt Ion:146 Resp: 2361266
 Ion Ratio Lower Upper
 146 100
 111 48.5 25.3 75.8
 148 63.9 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.969 ppbv
 RT: 23.56 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL032712.D
 Acq: 7 Nov 2018 10:45

Tgt Ion:225 Resp: 1545336
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.7 76.1
 227 63.0 50.7 76.1





#79

Naphthalene

Concen: 10.914 ppbv

RT: 22.43 min Scan# 6062

Delta R.T. -0.01 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

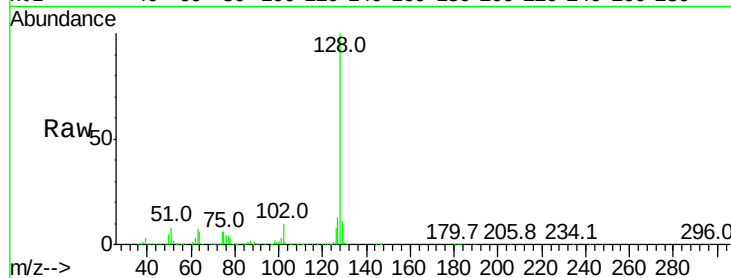
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 3712881

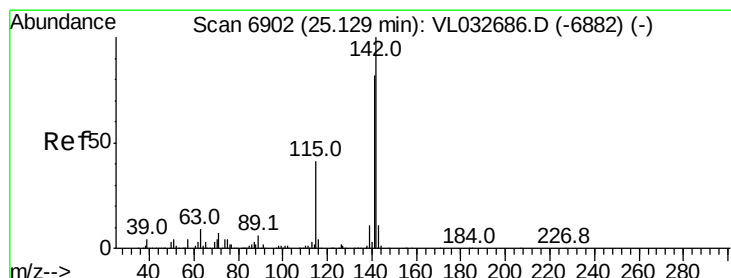
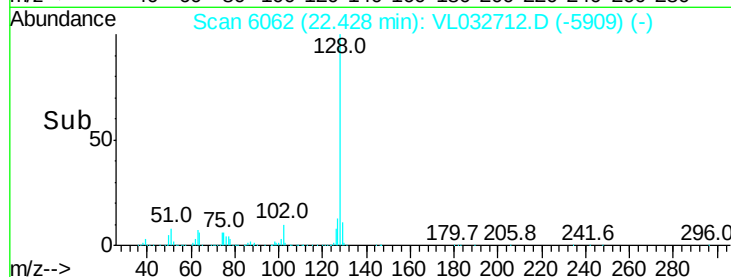
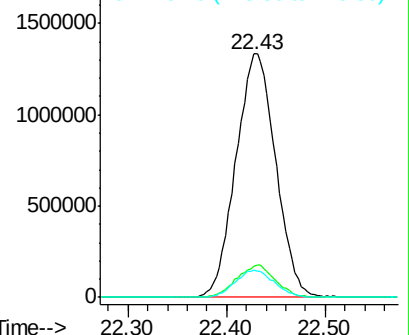
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	13.0



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: 16.540 ppbv

RT: 25.13 min Scan# 6901

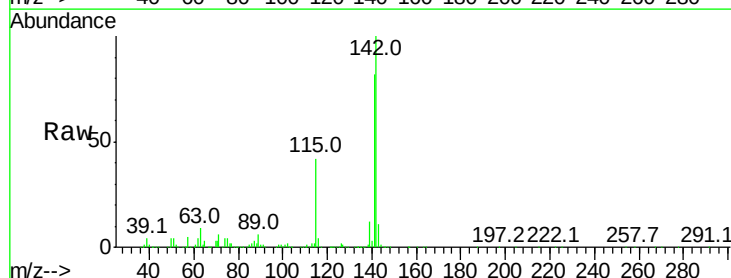
Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Tgt Ion:142 Resp: 1368241

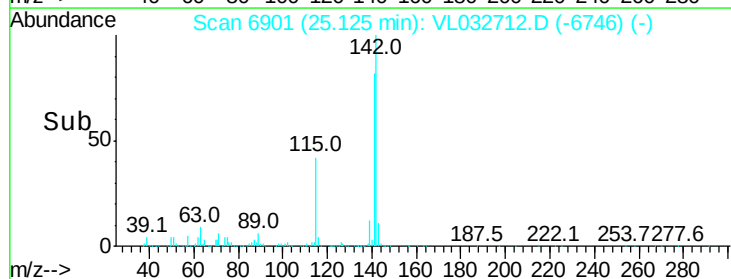
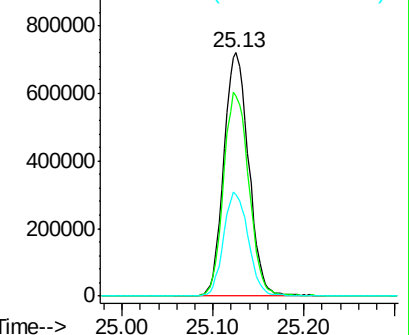
Ion	Ratio	Lower	Upper
142	100		
141	85.4	67.5	101.3
115	42.6	33.5	50.3

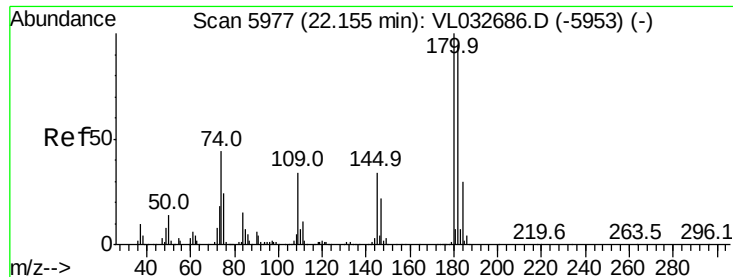


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.053 ppbv

RT: 22.15 min Scan# 5976

Delta R.T. -0.00 min

Lab File: VL032712.D

Acq: 7 Nov 2018 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 1771133

Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

184 30.4 24.7 37.1

