

Data File : VL032742.D
Acq On : 14 Nov 2018 2:27
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 14 05:48:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 05:38:10 2018
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1618342	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4067503	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3934974m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	3201727	10.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.00%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	2078263	11.259	ppbv 100
3) Chlorodifluoromethane	3.02	51	1158296	9.049	ppbv 100
4) Chloromethane	3.18	50	632088	8.886	ppbv 100
5) Vinyl Chloride	3.30	62	650224	8.450	ppbv 100
6) Bromomethane	3.52	94	426909	8.826	ppbv 100
7) Chloroethane	3.61	64	246357	8.662	ppbv 100
8) Dichlorotetrafluoroethane	3.23	85	1603976	9.099	ppbv 100
9) Propene	3.04	41	471833	9.060	ppbv 100
10) Heptane	8.26	43	1955353	9.675	ppbv 100
11) Trichlorofluoromethane	4.01	101	1827729	8.343	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1535400	8.673	ppbv 100
13) Ethanol	3.66	45	118861	8.078	ppbv 100
14) Bromoethene	3.80	108	538229	8.837	ppbv 100
15) Acetone	3.91	43	1144002	7.604	ppbv 100
16) 1,3-Butadiene	3.37	39	594138	10.418	ppbv 100
17) tert-Butyl alcohol	4.37	59	460782	10.842	ppbv 100
18) 1,1-Dichloroethene	4.36	96	824521	10.323	ppbv 100
19) Isopropyl Alcohol	4.03	45	838889	7.999	ppbv 100
20) Methylene Chloride	4.42	84	696725	9.103	ppbv 100
21) Allyl Chloride	4.49	41	1116212	9.274	ppbv 100
22) trans-1,2-Dichloroethene	4.97	96	831194	10.117	ppbv 100
23) Vinyl Acetate	5.17	43	2839178	10.459	ppbv 100
24) 1,1-Dichloroethane	5.10	63	2131892	9.985	ppbv 100
25) Ethyl Acetate	5.78	43	3179544	9.235	ppbv 100
26) Hexane	5.79	57	1465326	9.039	ppbv 100
27) Carbon Disulfide	4.63	76	1832702	9.425	ppbv 100
28) Methyl tert-Butyl Ether	5.12	73	2598011	10.804	ppbv 100
29) Chloroform	5.86	83	2463883	9.394	ppbv 100
30) Cyclohexane	7.26	84	1324146	10.182	ppbv 100
31) cis-1,2-Dichloroethene	5.65	61	1529145	10.100	ppbv 100
32) 1,1,1-Trichloroethane	6.63	97	2650227	9.857	ppbv 100
34) 2-Butanone	5.34	43	2069829	9.481	ppbv 100
35) Carbon Tetrachloride	7.15	117	2891665	9.920	ppbv 100
36) Benzene	7.02	78	3140091	9.555	ppbv 100
37) 1,2-Dichloroethane	6.42	62	2052790	10.050	ppbv 100
38) Trichloroethene	7.97	130	1279535	10.397	ppbv 100
39) 1,2-Dichloropropane	7.74	63	1189428	9.377	ppbv 100
40) 1,4-Dioxane	7.97	88	418250	9.691	ppbv 100
41) Tetrahydrofuran	6.16	42	1242377	10.281	ppbv 100
42) Bromodichloromethane	7.93	83	2822278	9.886	ppbv 100
43) Methyl Methacrylate	8.15	69	1284060	10.634	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5302013	9.444	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1917084	11.856	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	2183961	11.630	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	1414829	9.438	ppbv	100
48) Dibromochloromethane	10.46	129	2645817	10.478	ppbv	100
49) Bromoform	13.21	173	2049401	10.337	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3381492	10.353	ppbv	100
51) 2-Hexanone	10.28	43	2403700	10.225	ppbv	100
52) Tetrachloroethene	11.39	164	1119058	9.719	ppbv	100
53) Toluene	9.96	91	3672530	9.887	ppbv	100
54) 1,2-Dibromoethane	10.77	107	2071776	10.277	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1709469	9.780	ppbv	98
57) Chlorobenzene	12.31	112	2824843	9.650	ppbv	100
58) Ethyl Benzene	12.88	91	5003969	10.834	ppbv	100
59) m/p-Xylene	13.14	91	8363187m	20.346	ppbv	
60) o-Xylene	13.86	91	4136167	10.360	ppbv	100
61) Styrene	13.70	104	3101594	11.612	ppbv	100
62) Isopropylbenzene	14.84	105	5730707	10.162	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2861283	9.219	ppbv	100
64) n-propylbenzene	15.74	120	1525252	10.801	ppbv	100
65) tert-Butylbenzene	16.92	119	5224017	10.748	ppbv	100
66) Benzyl Chloride	17.16	91	3220425	12.688	ppbv	100
67) sec-Butylbenzene	17.47	105	7323378	10.612	ppbv	100
69) p-Isopropyltoluene	17.83	119	5972166	10.896	ppbv	100
70) n-Butylbenzene	18.72	91	6112511	10.873	ppbv	100
71) 2-Chlorotoluene	15.63	91	4496700	11.102	ppbv	100
72) 4-Ethyltoluene	16.01	105	4875456	11.345	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4642938	11.084	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4715642	10.556	ppbv	100
75) 1,3-Dichlorobenzene	17.18	146	2685422	10.435	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2634744	11.072	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2508951	10.334	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1433785	11.654	ppbv	100
79) Naphthalene	22.42	128	3692499	13.141	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1254526	18.651	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1781567	12.398	ppbv	100

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

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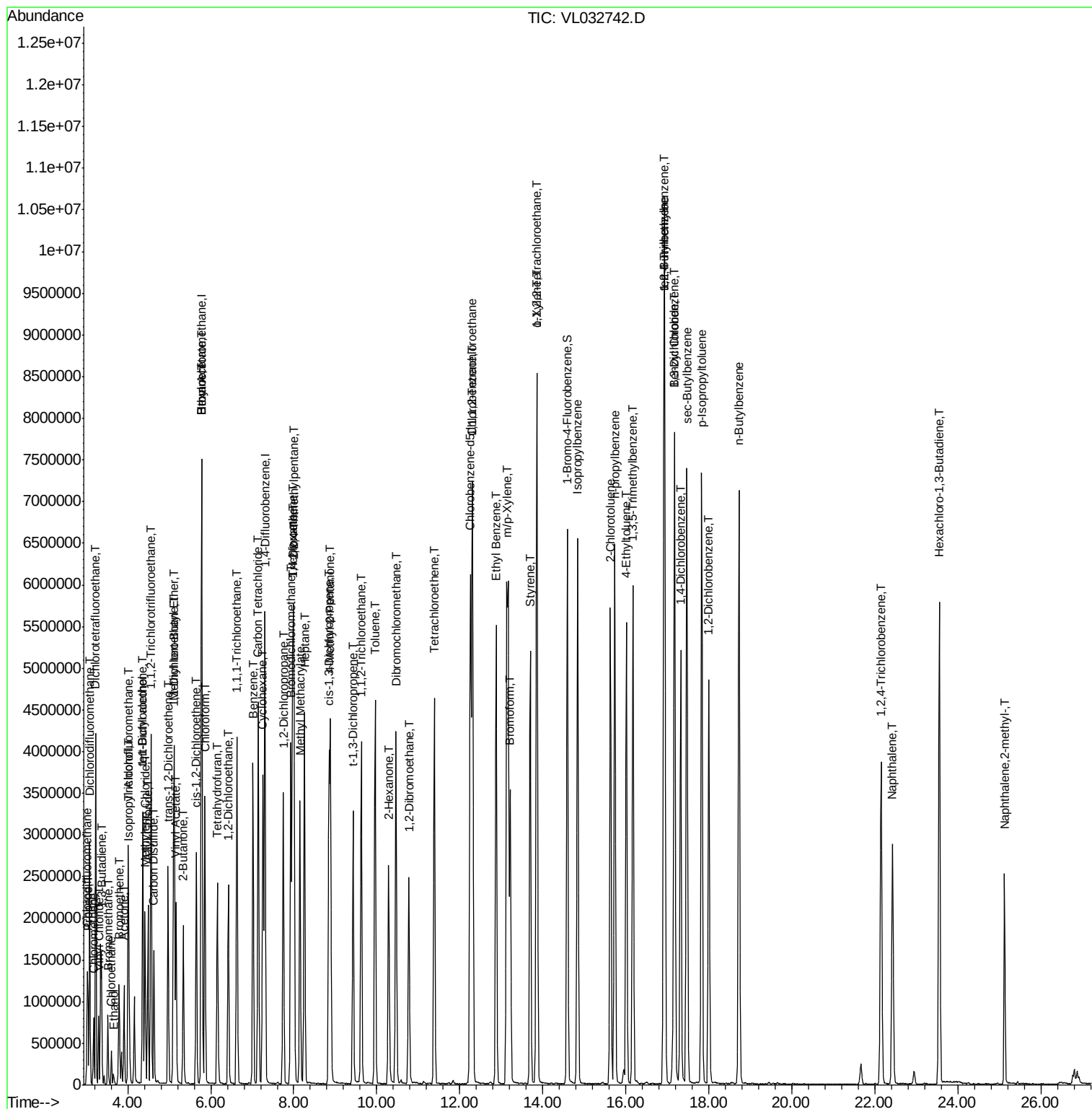
Quant Time: Nov 14 05:48:05 2018

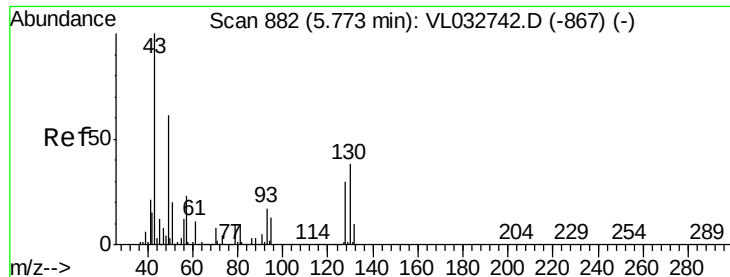
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL111418AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTDICCC010

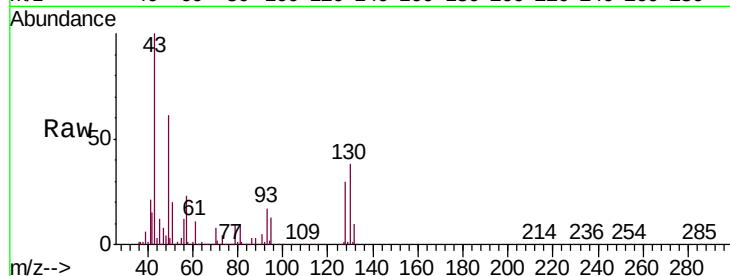
Tgt Ion: 49 Resp: 1618342

Ion Ratio Lower Upper

49 100

128 49.7 24.9 74.6

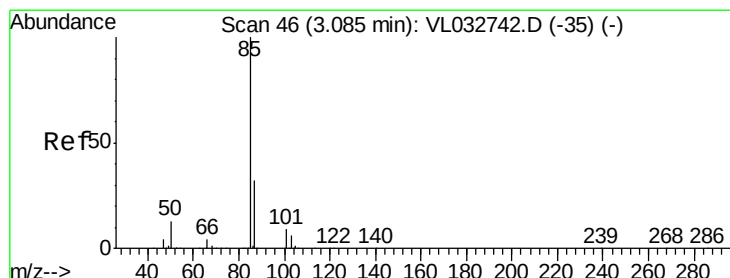
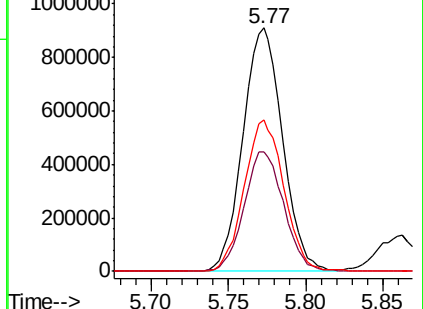
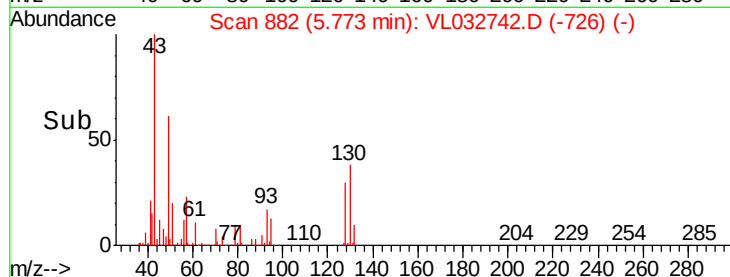
130 62.8 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 11.259 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032742.D

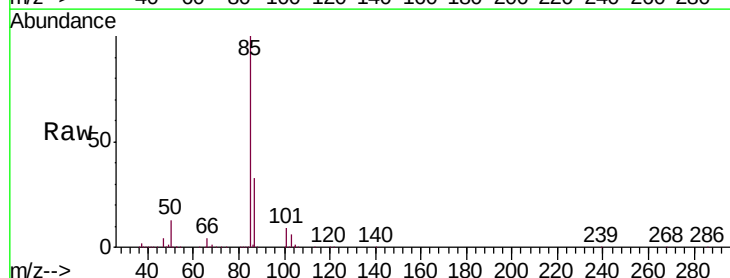
Acq: 14 Nov 2018 2:27

Tgt Ion: 85 Resp: 2078263

Ion Ratio Lower Upper

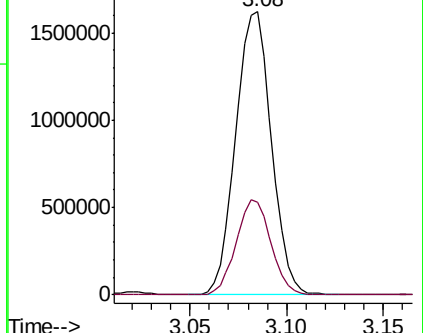
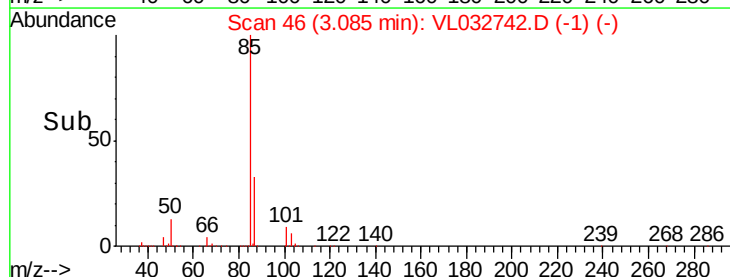
85 100

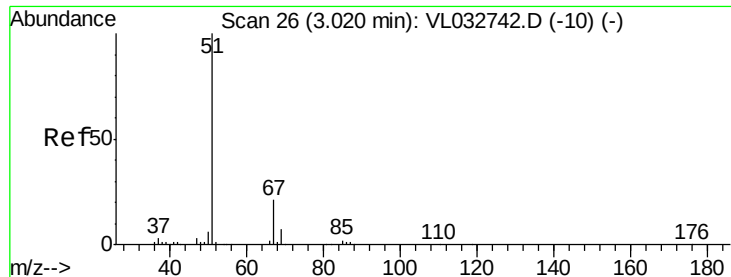
87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

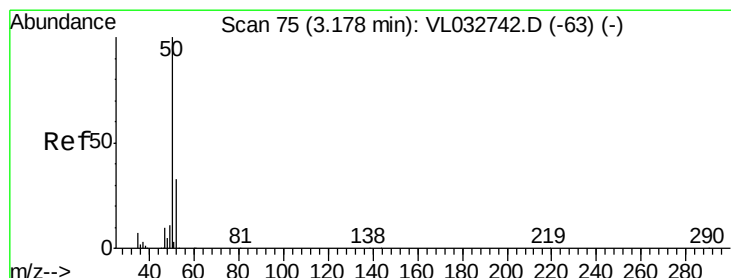
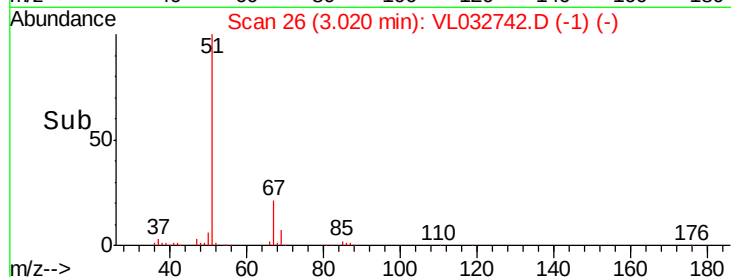
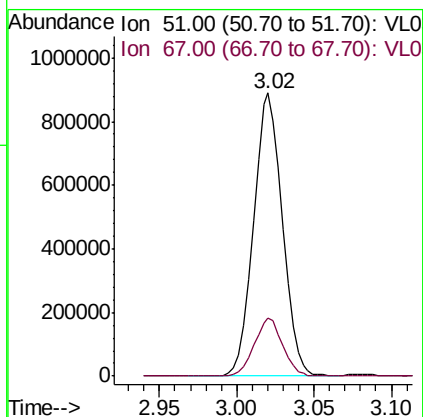
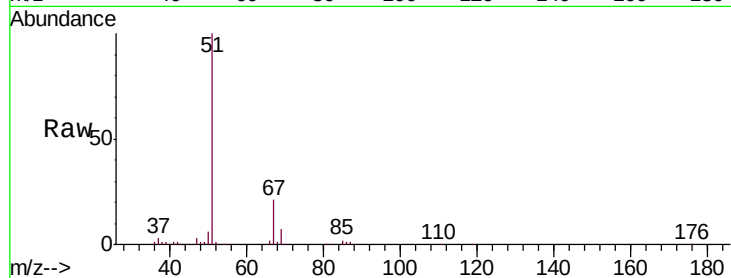




#3
 Chlorodifluoromethane
 Concen: 9.049 ppbv
 RT: 3.02 min Scan# 26
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

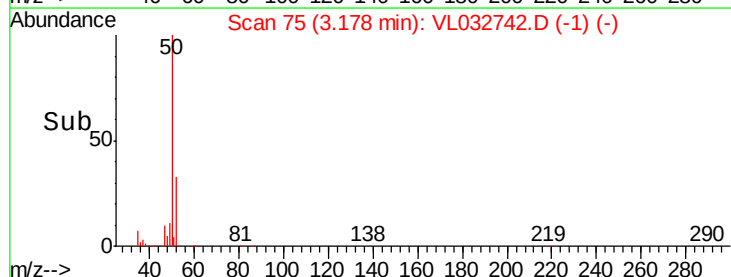
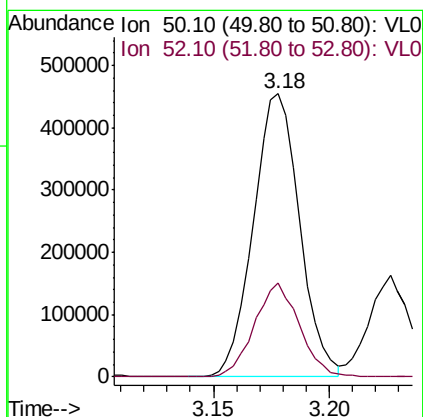
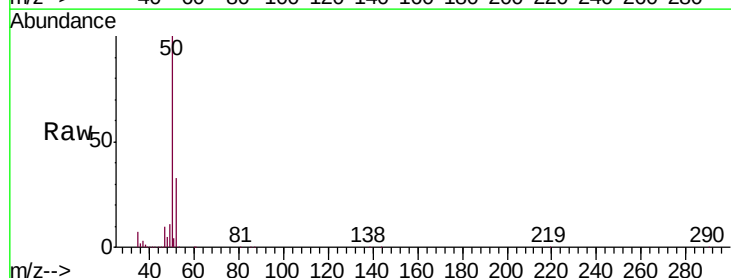
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

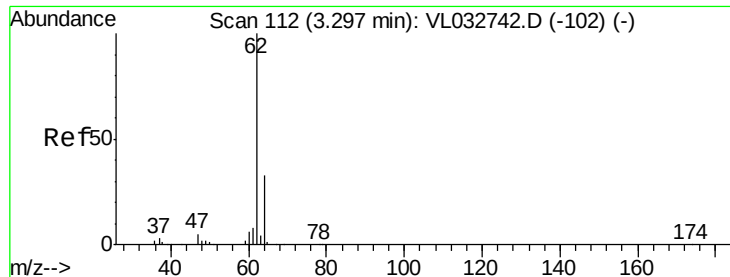
Tgt Ion: 51 Resp: 1158296
 Ion Ratio Lower Upper
 51 100
 67 20.1 16.1 24.1



#4
 Chloromethane
 Concen: 8.886 ppbv
 RT: 3.18 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 50 Resp: 632088
 Ion Ratio Lower Upper
 50 100
 52 33.3 26.6 40.0





#5

Vinyl Chloride

Concen: 8.450 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

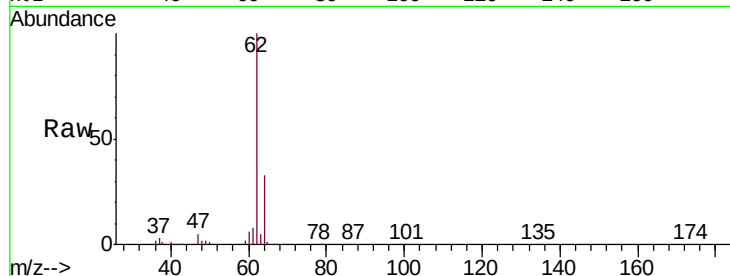
VSTDICCC010

Tgt Ion: 62 Resp: 650224

Ion Ratio Lower Upper

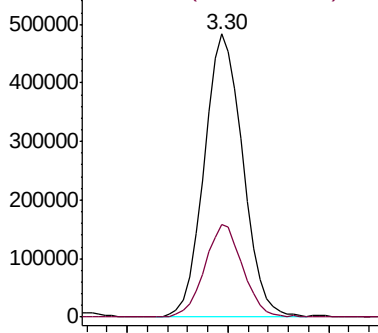
62 100

64 32.8 26.2 39.4

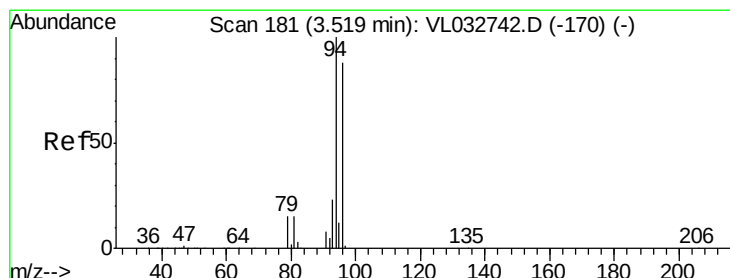
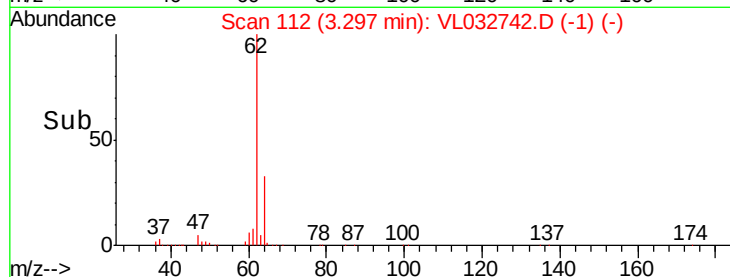


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 8.826 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032742.D

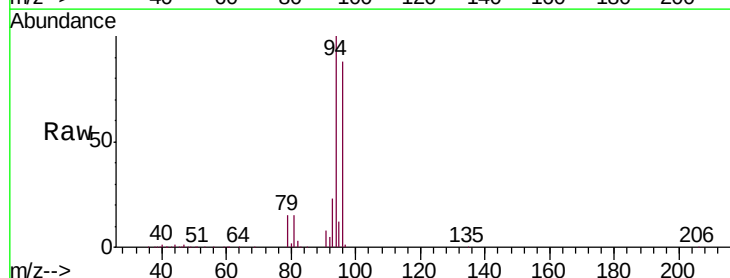
Acq: 14 Nov 2018 2:27

Tgt Ion: 94 Resp: 426909

Ion Ratio Lower Upper

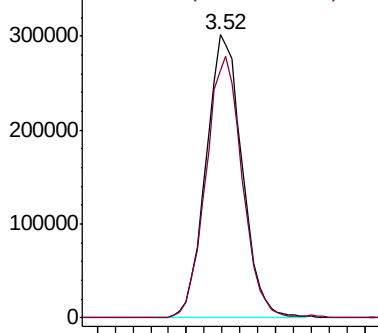
94 100

96 87.7 70.2 105.2

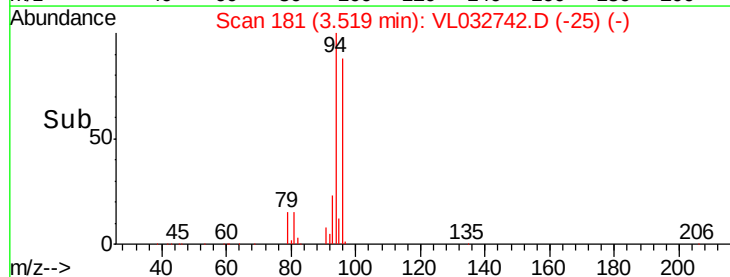


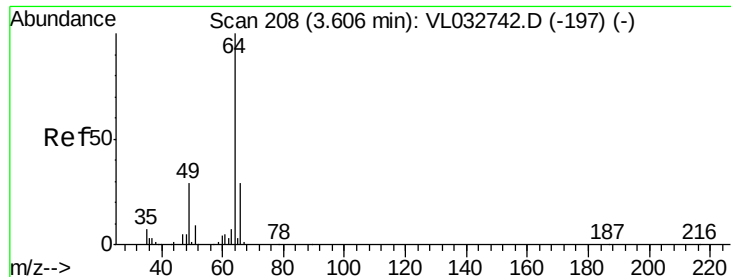
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 8.662 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

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ClientSampleId :

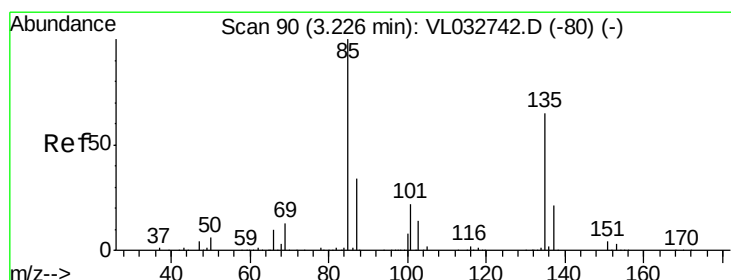
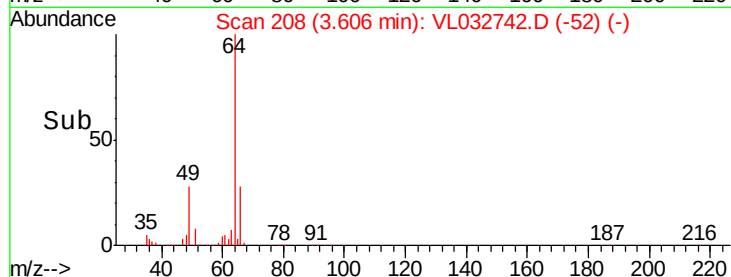
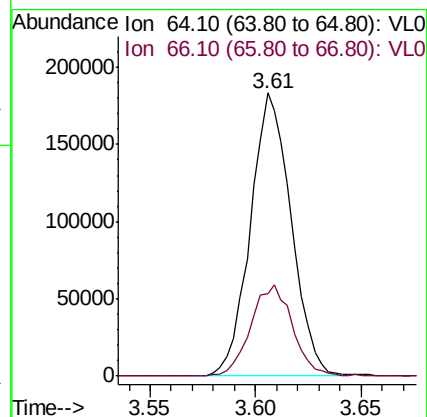
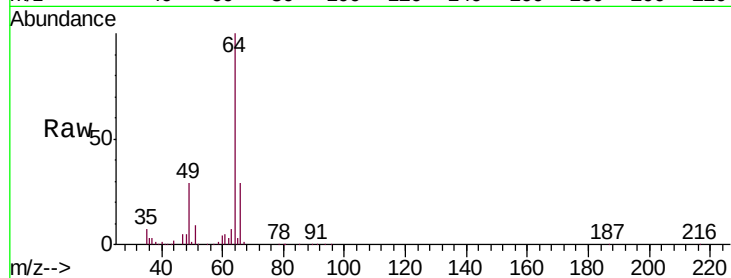
VSTDICCC010

Tgt Ion: 64 Resp: 246357

Ion Ratio Lower Upper

64 100

66 29.0 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 9.099 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032742.D

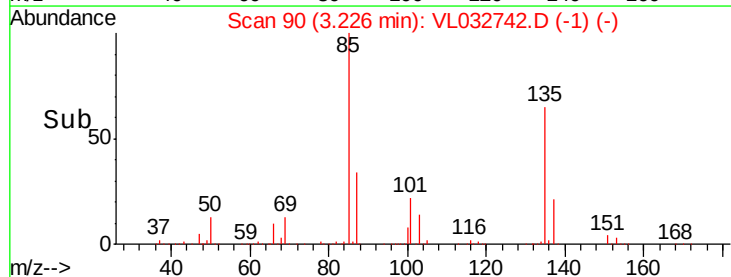
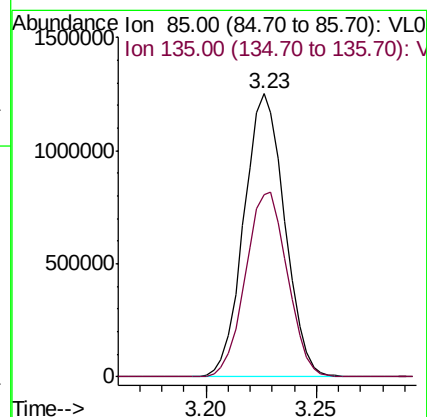
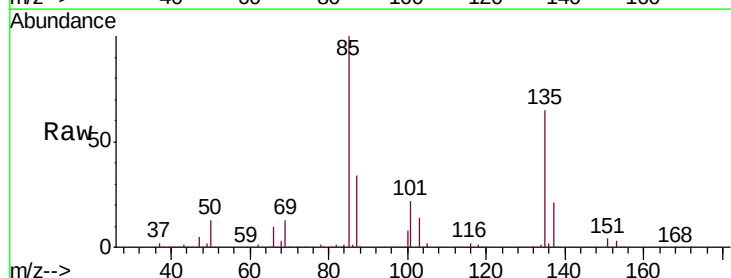
Acq: 14 Nov 2018 2:27

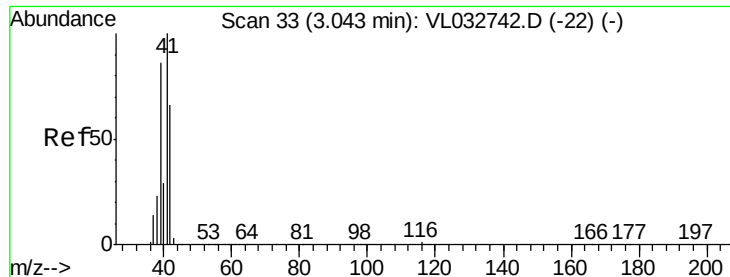
Tgt Ion: 85 Resp: 1603976

Ion Ratio Lower Upper

85 100

135 67.3 53.8 80.8





#9

Propene

Concen: 9.060 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

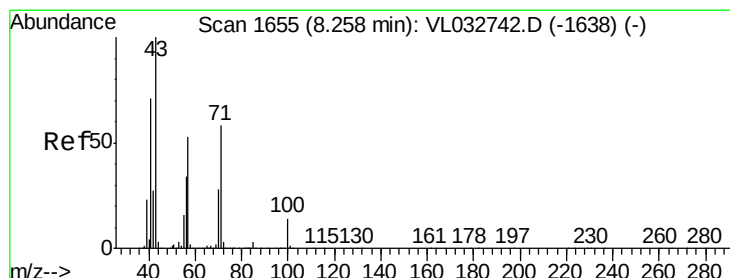
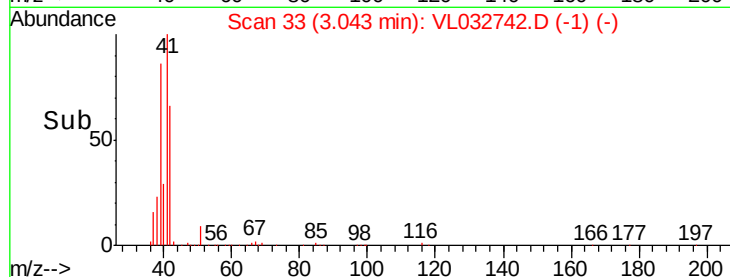
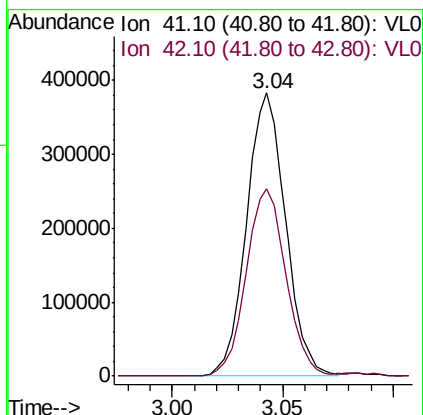
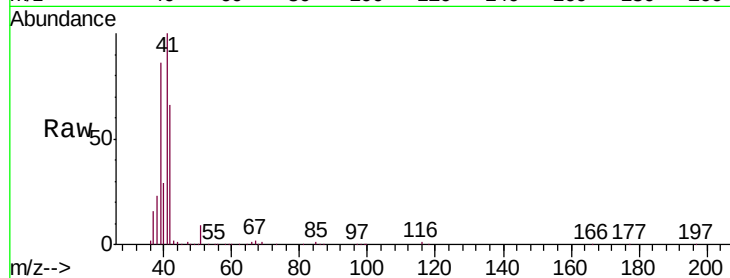
VSTDICCC010

Tgt Ion: 41 Resp: 471833

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.6



#10

Heptane

Concen: 9.675 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032742.D

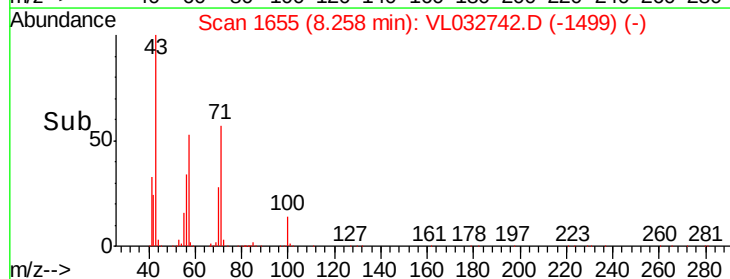
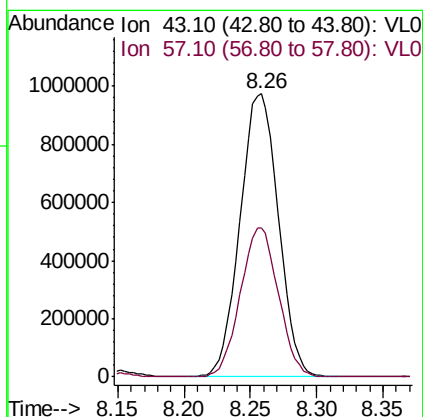
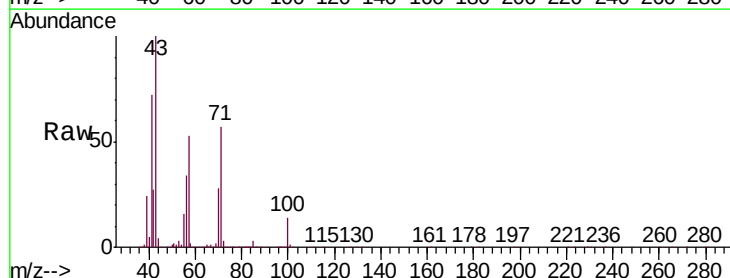
Acq: 14 Nov 2018 2:27

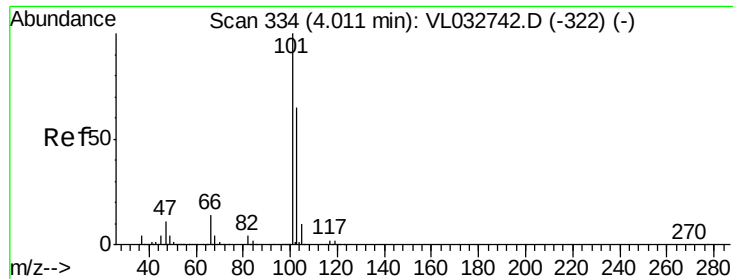
Tgt Ion: 43 Resp: 1955353

Ion Ratio Lower Upper

43 100

57 52.5 41.8 62.8

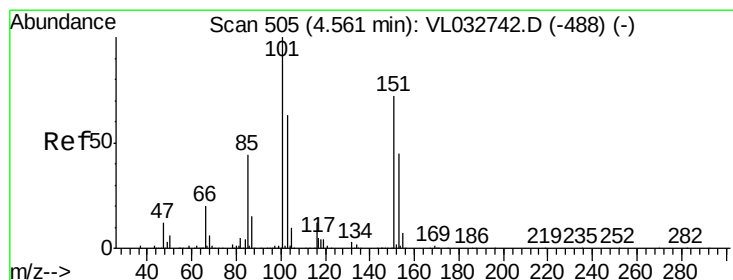
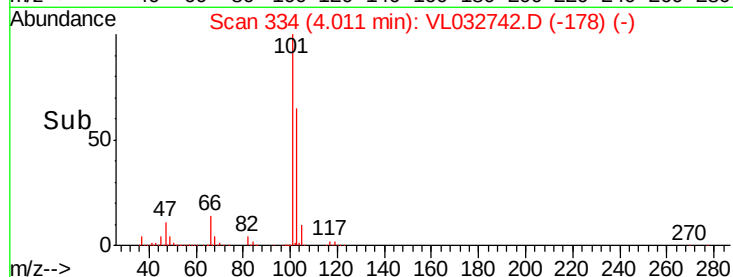
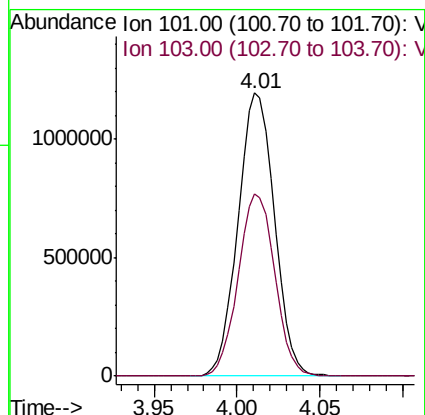
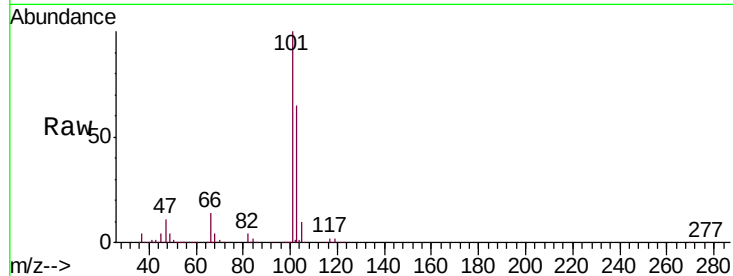




#11
 Trichlorofluoromethane
 Concen: 8.343 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

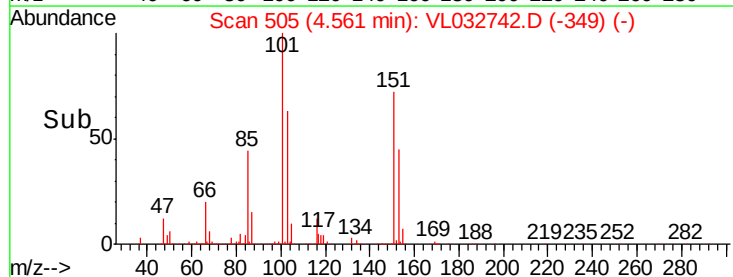
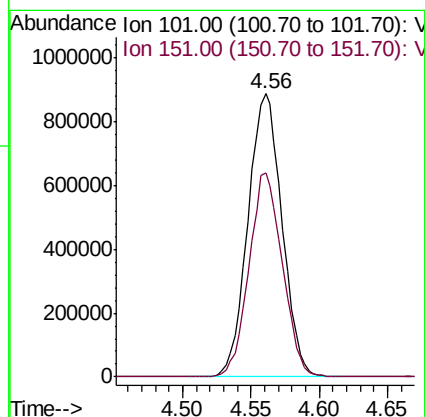
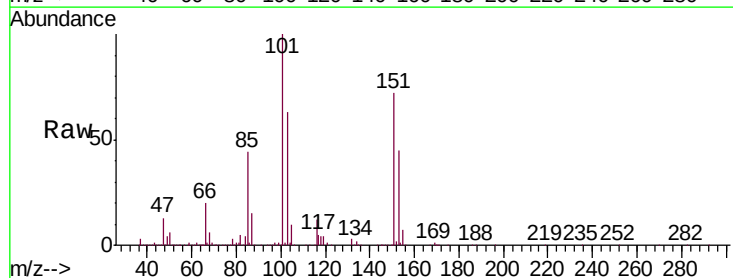
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

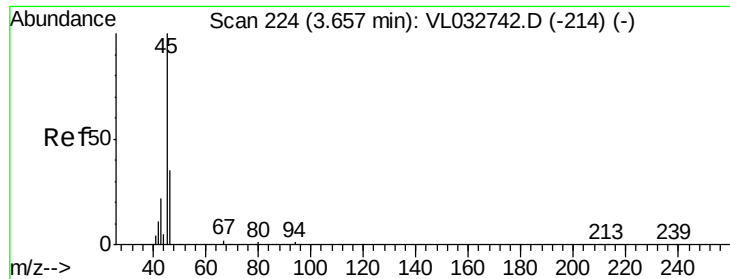
Tgt Ion:101 Resp: 1827729
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.673 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion:101 Resp: 1535400
 Ion Ratio Lower Upper
 101 100
 151 70.9 56.7 85.1

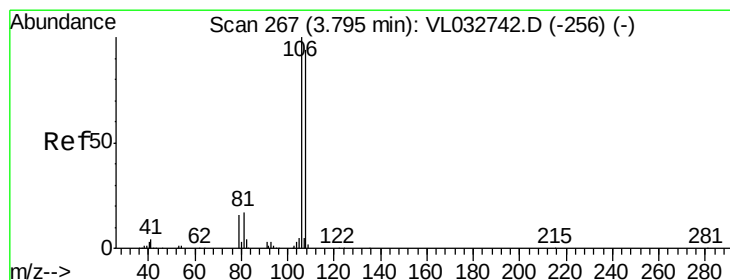
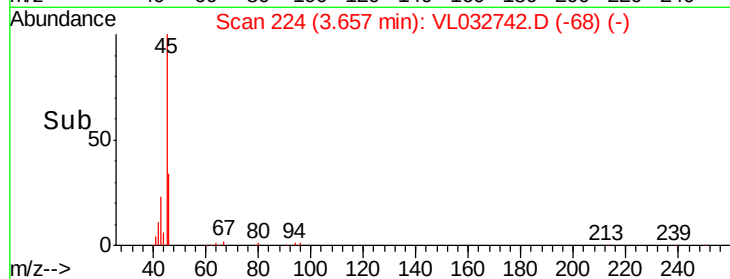
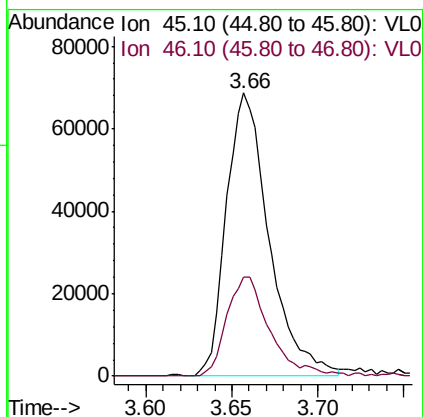
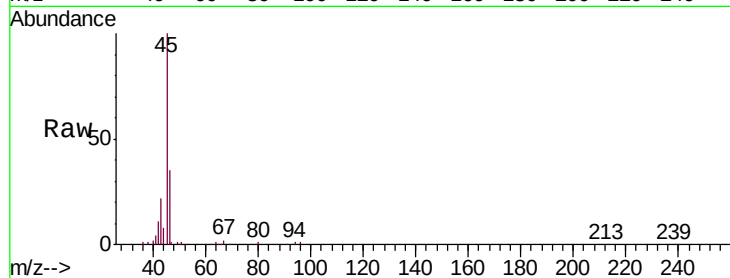




#13
Ethanol
Concen: 8.078 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

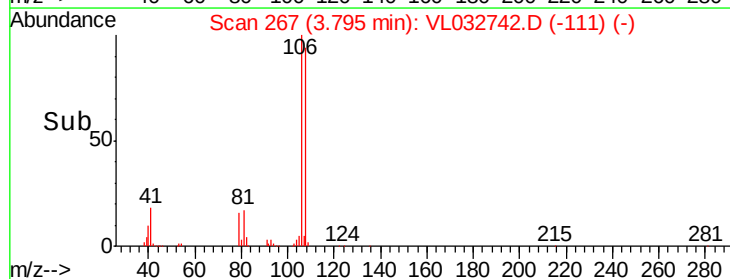
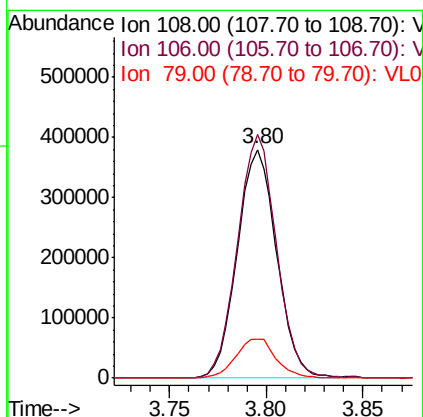
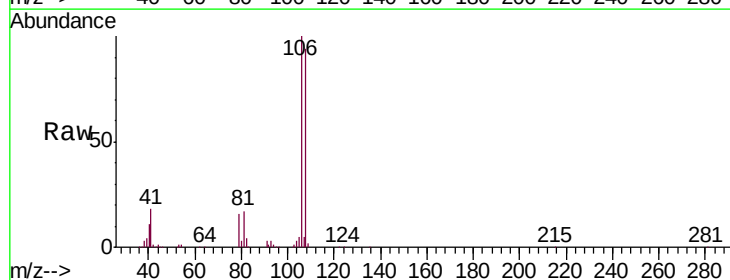
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

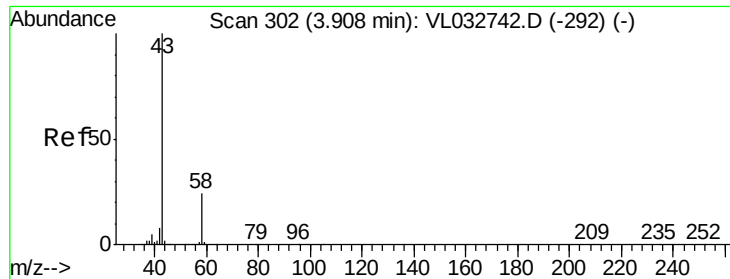
Tgt Ion: 45 Resp: 118861
Ion Ratio Lower Upper
45 100
46 36.2 14.5 57.9



#14
Bromoethene
Concen: 8.837 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 108 Resp: 538229
Ion Ratio Lower Upper
108 100
106 106.1 84.9 127.3
79 17.8 14.2 21.4

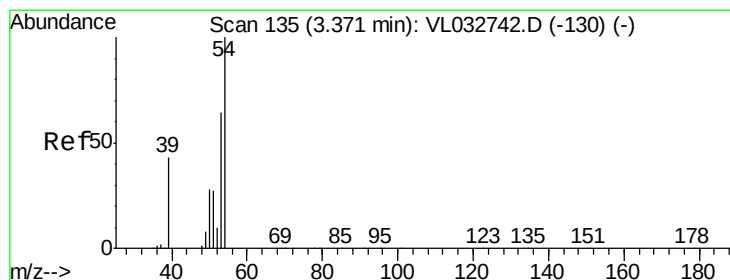
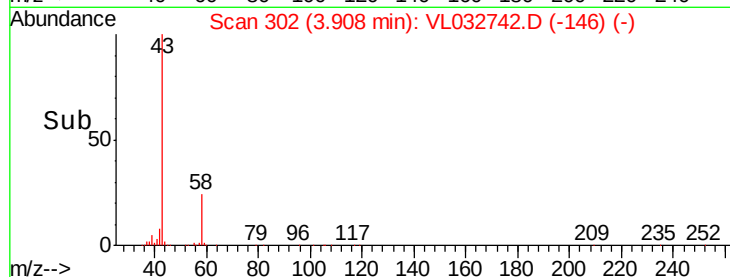
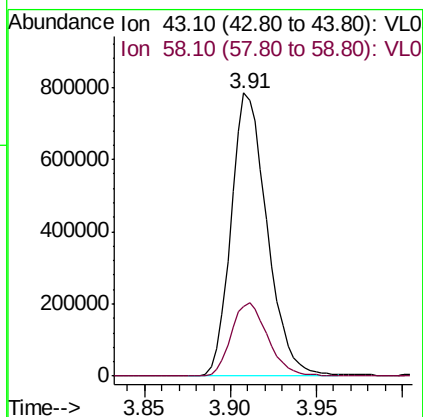
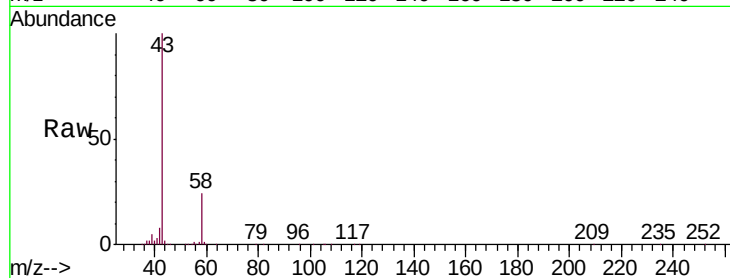




#15
Acetone
Concen: 7.604 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

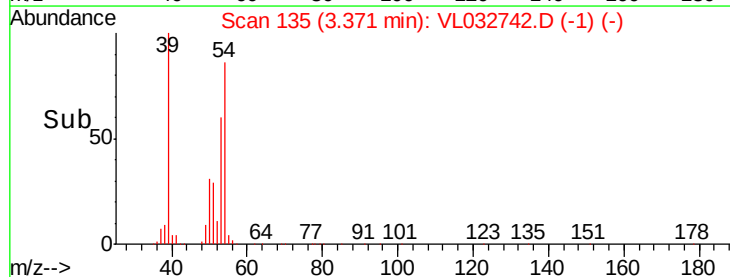
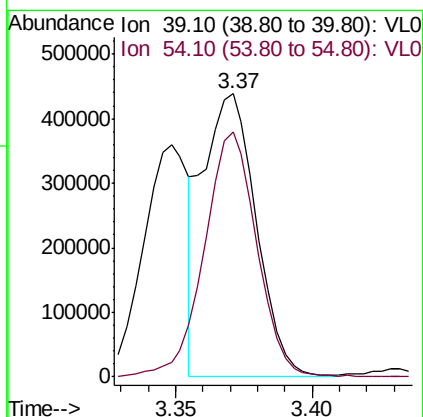
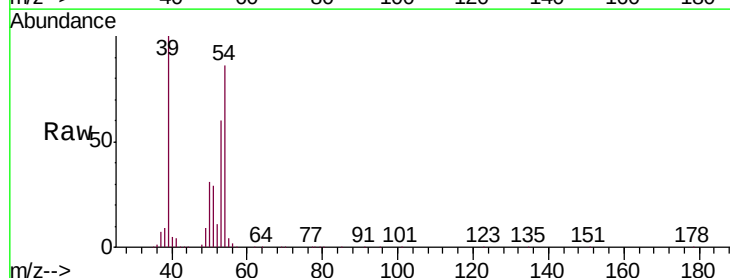
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

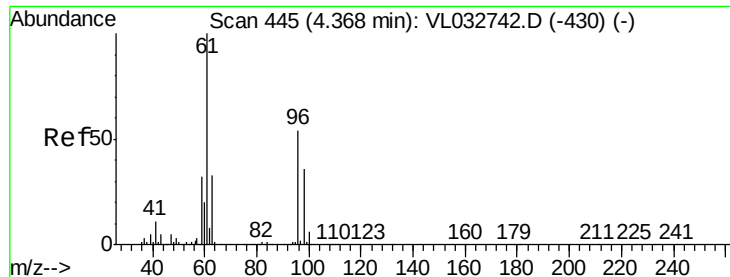
Tgt Ion: 43 Resp: 1144002
Ion Ratio Lower Upper
43 100
58 26.4 21.1 31.7



#16
1,3-Butadiene
Concen: 10.418 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 39 Resp: 594138
Ion Ratio Lower Upper
39 100
54 86.1 68.9 103.3





#17

tert-Butyl alcohol

Concen: 10.842 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

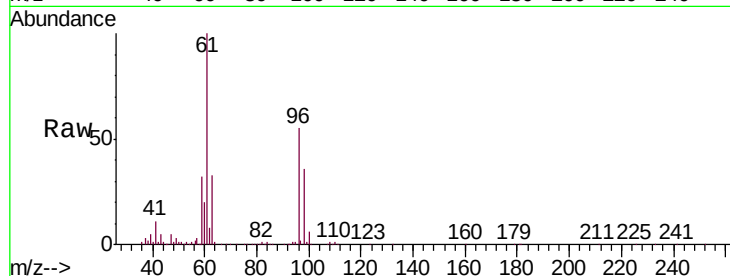
VSTDICCC010

Tgt Ion: 59 Resp: 460782

Ion Ratio Lower Upper

59 100

57 9.7 7.8 11.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.37

250000

200000

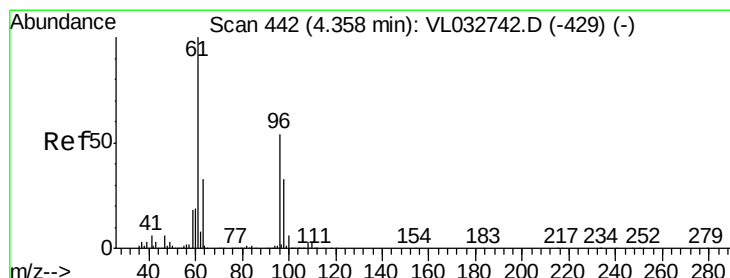
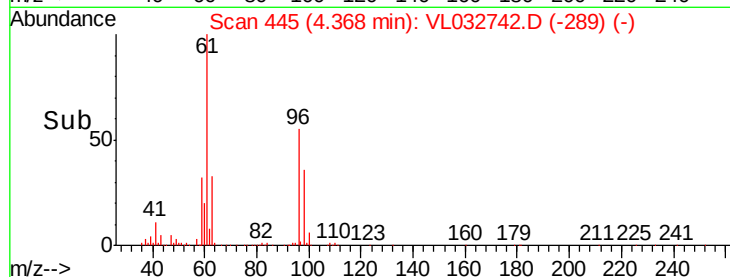
150000

100000

50000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.323 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

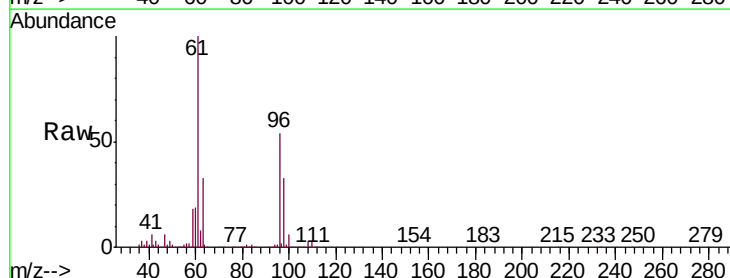
Tgt Ion: 96 Resp: 824521

Ion Ratio Lower Upper

96 100

61 185.6 148.5 222.7

98 60.7 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

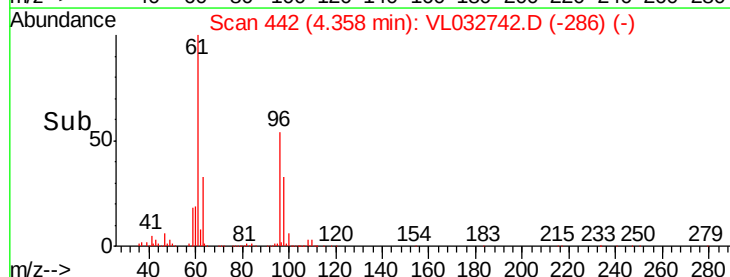
Ion 98.00 (97.70 to 98.70): VL0

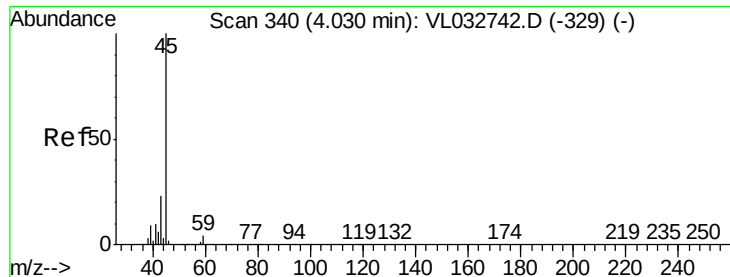
1000000

500000

0

Time-->





#19

Isopropyl Alcohol

Concen: 7.999 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

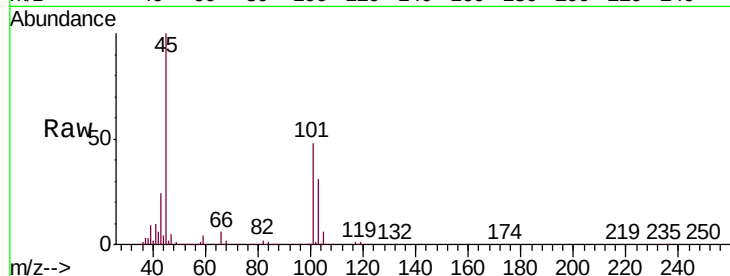
VSTDICCC010

Tgt Ion: 45 Resp: 838889

Ion Ratio Lower Upper

45 100

58 1.7 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

500000

400000

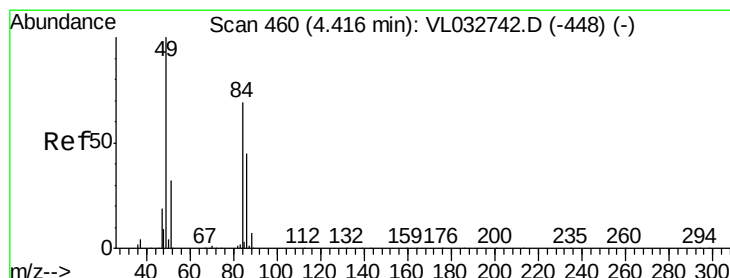
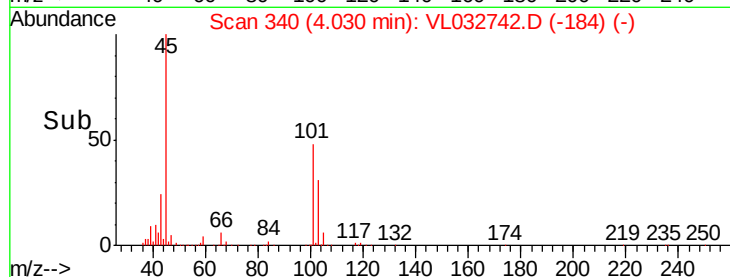
300000

200000

100000

0

Time--> 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 9.103 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Tgt Ion: 84 Resp: 696725

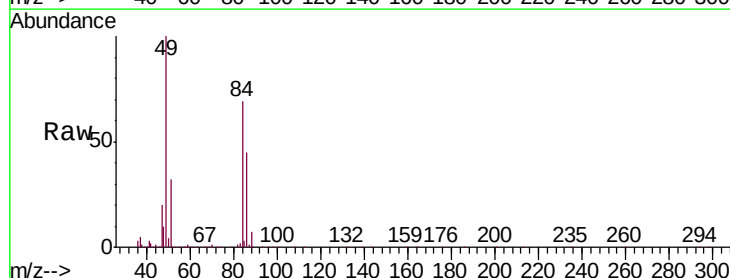
Ion Ratio Lower Upper

84 100

49 144.7 115.8 173.6

51 46.1 36.9 55.3

86 65.5 52.4 78.6



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

1000000

800000

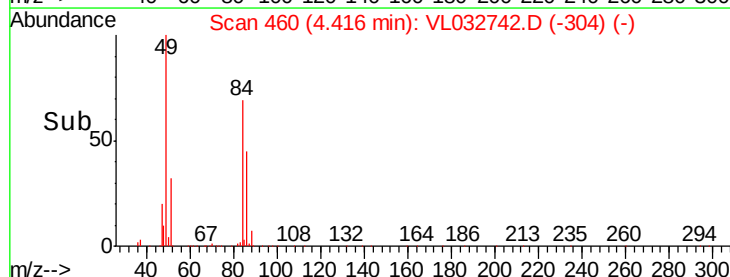
600000

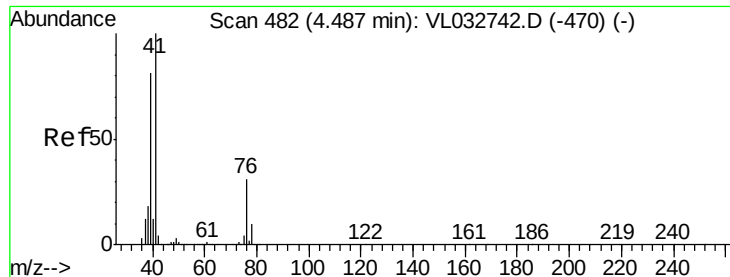
400000

200000

0

Time--> 4.35 4.40 4.45





#21

Allyl Chloride

Concen: 9.274 ppbv

RT: 4.49 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

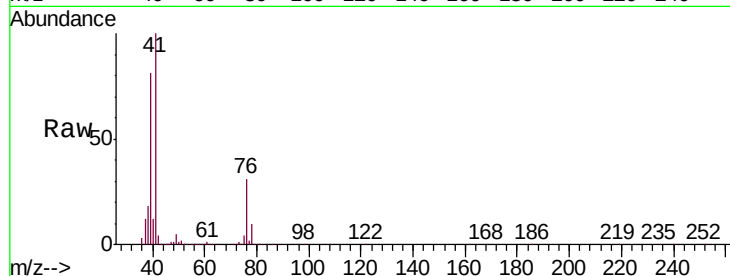
Tgt Ion: 41 Resp: 1116212

Ion Ratio Lower Upper

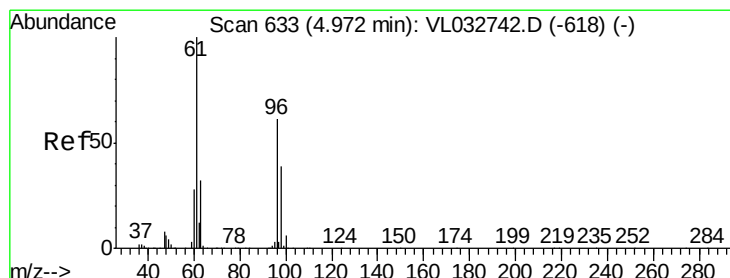
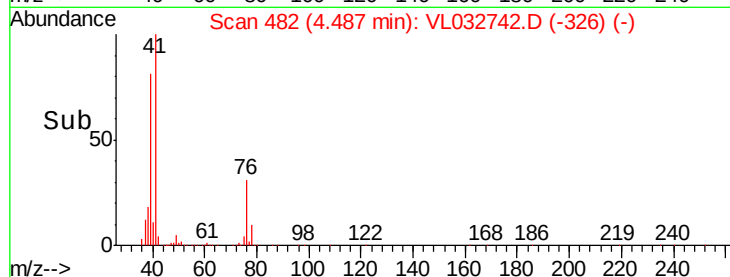
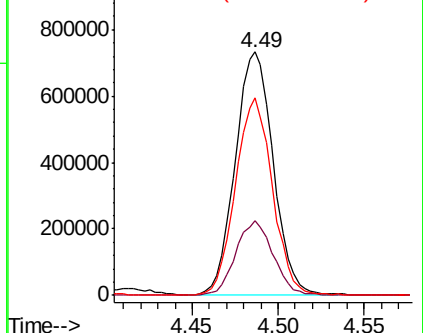
41 100

76 30.5 24.4 36.6

39 79.4 63.5 95.3



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.117 ppbv

RT: 4.97 min Scan# 633

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

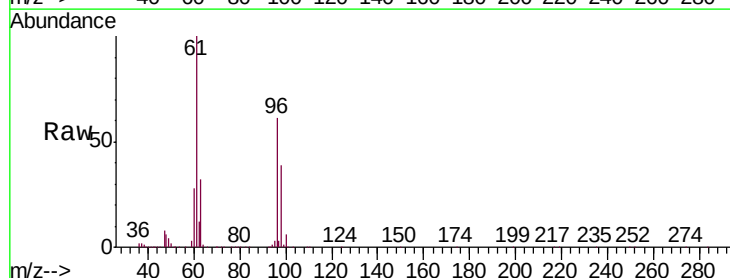
Tgt Ion: 96 Resp: 831194

Ion Ratio Lower Upper

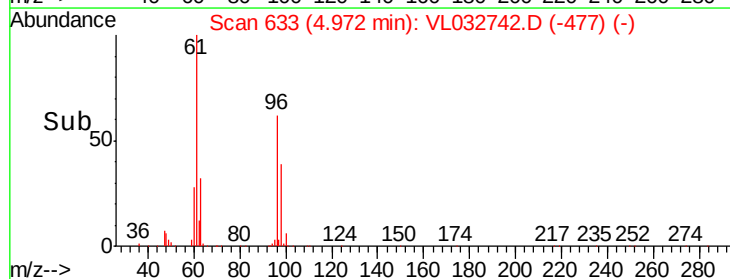
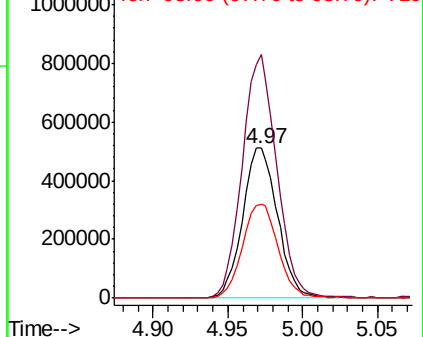
96 100

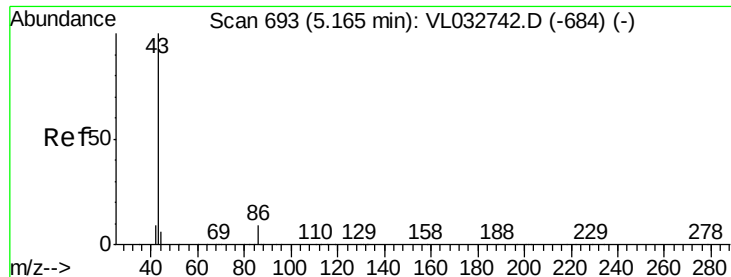
61 162.7 130.2 195.2

98 62.7 50.2 75.2



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





#23

Vinyl Acetate

Concen: 10.459 ppbv

RT: 5.17 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2839178

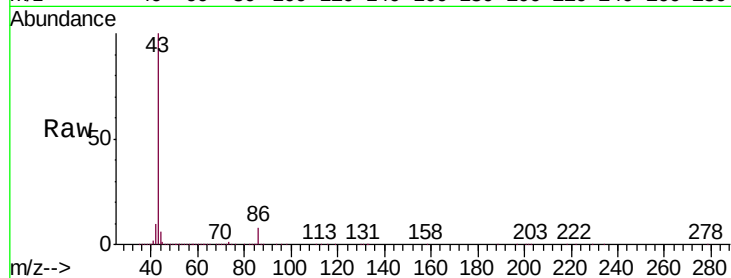
Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.4

42 9.7 7.8 11.6

44 5.5 4.4 6.6

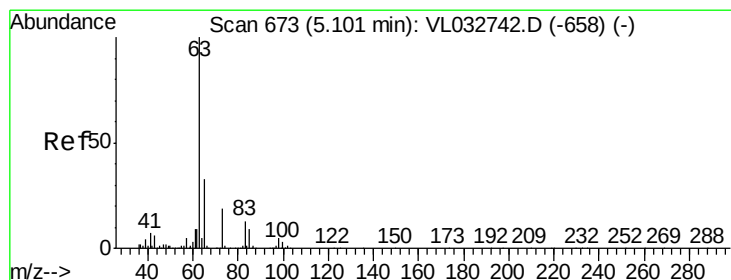
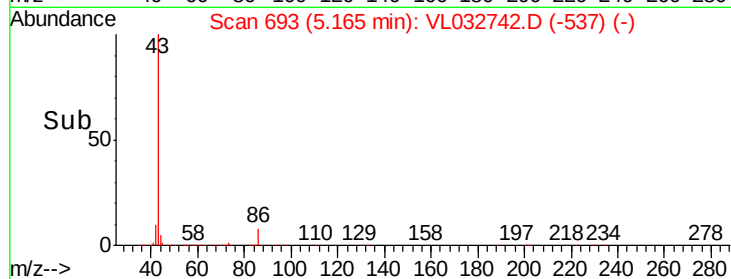
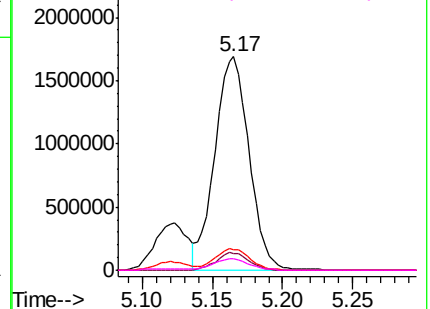


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.985 ppbv

RT: 5.10 min Scan# 673

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

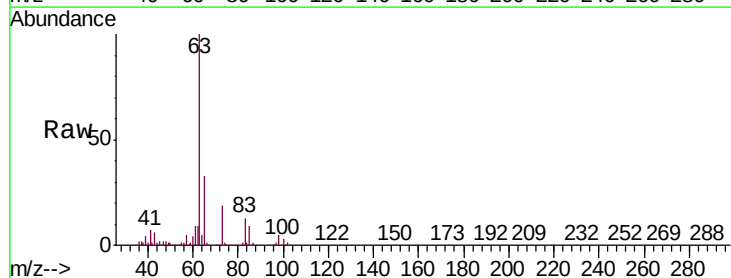
Tgt Ion: 63 Resp: 2131892

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

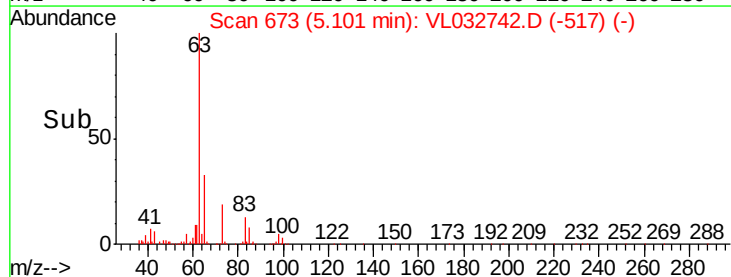
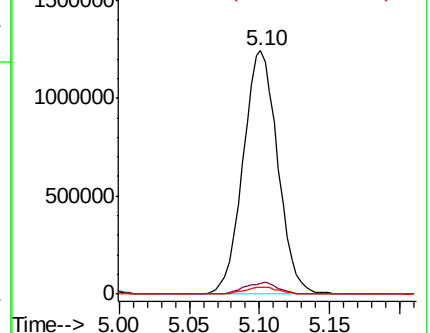
100 2.8 1.4 4.2

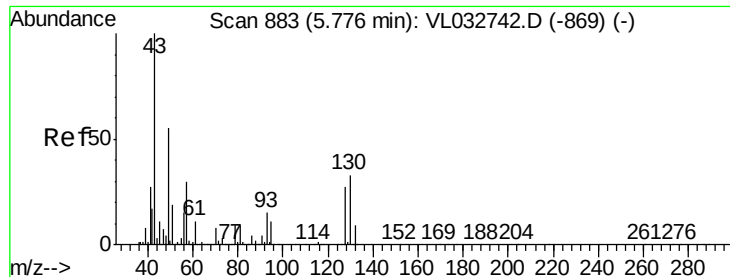


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



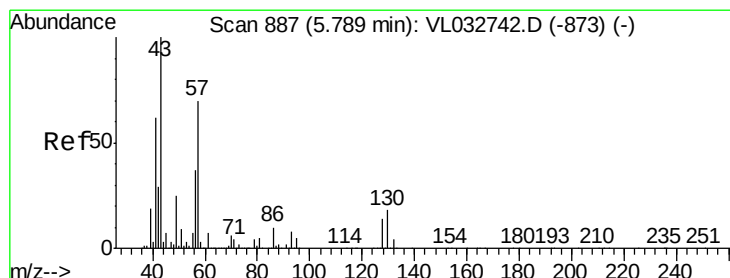
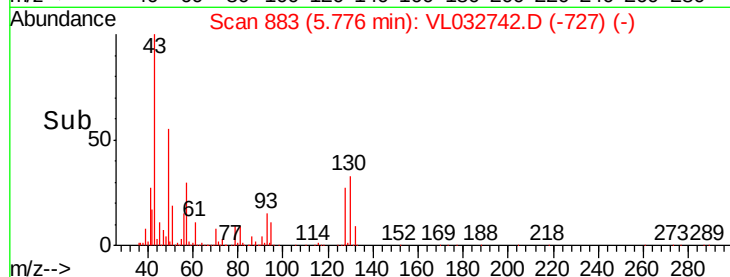
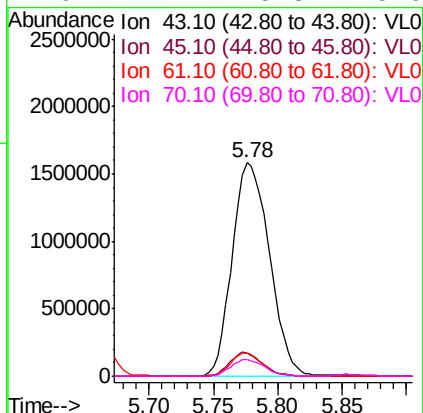
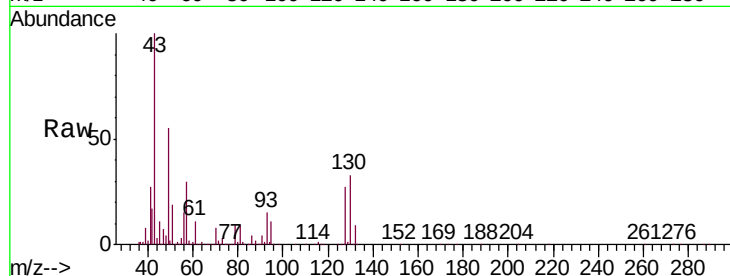


#25
Ethyl Acetate
Concen: 9.235 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 3179544

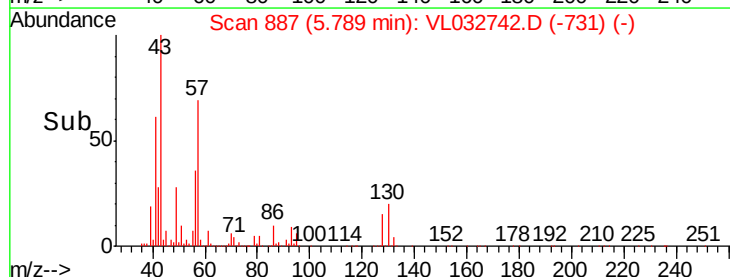
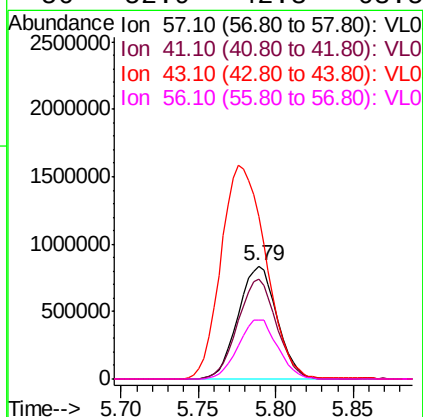
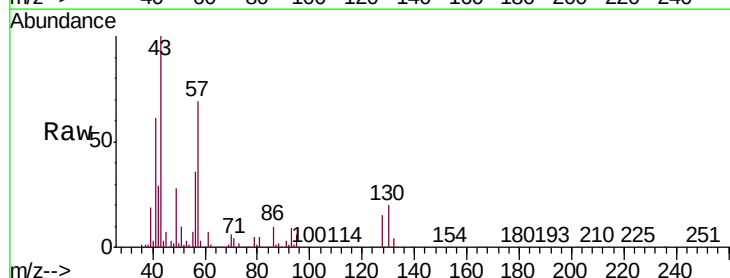
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.7	7.8	11.6
70	7.2	5.8	8.6

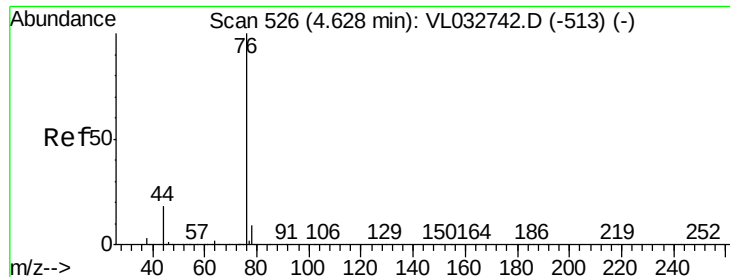


#26
Hexane
Concen: 9.039 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 57 Resp: 1465326

Ion	Ratio	Lower	Upper
57	100		
41	87.9	70.3	105.5
43	217.5	174.0	261.0
56	52.9	42.3	63.5

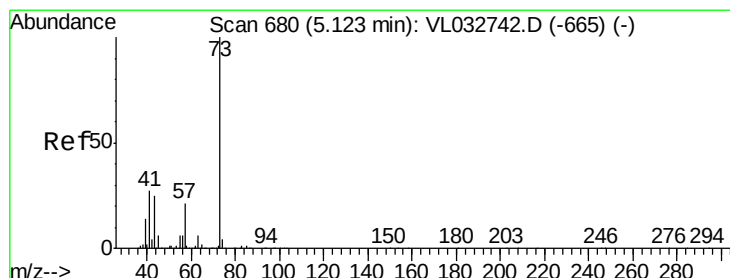
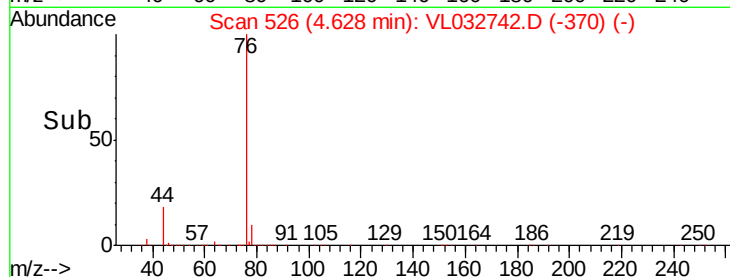
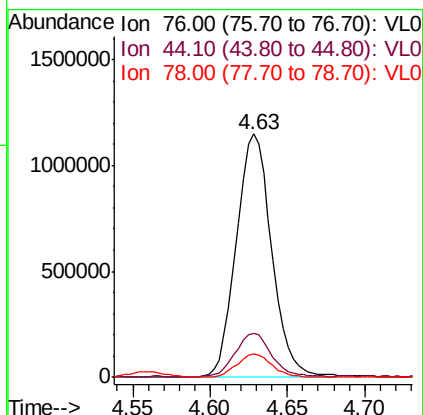
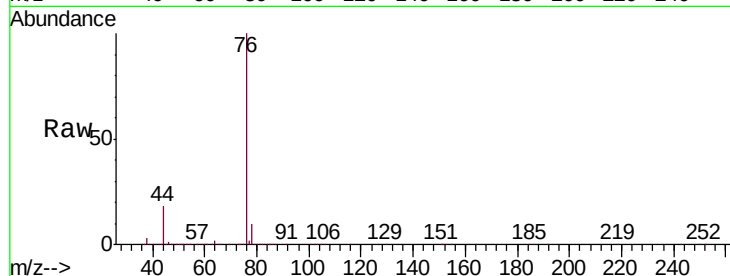




#27
Carbon Disulfide
Concen: 9.425 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

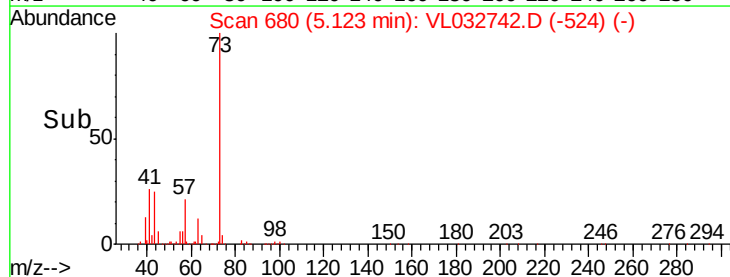
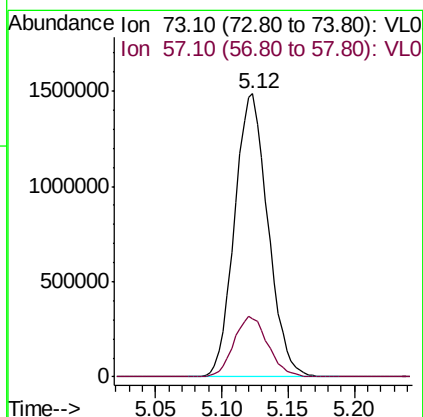
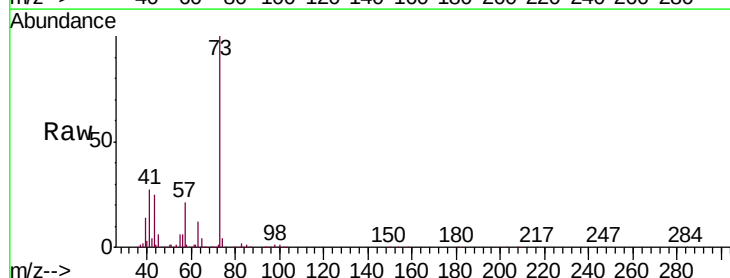
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

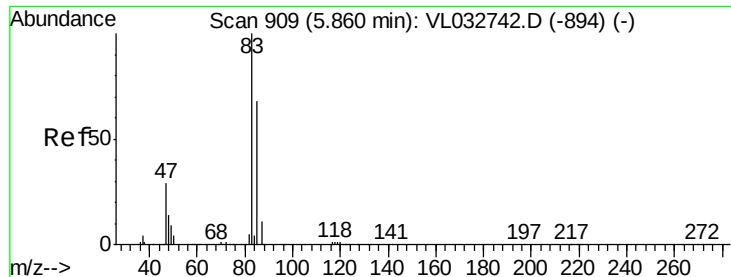
Tgt Ion: 76 Resp: 1832702
Ion Ratio Lower Upper
76 100
44 18.0 14.4 21.6
78 9.6 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.804 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 73 Resp: 2598011
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

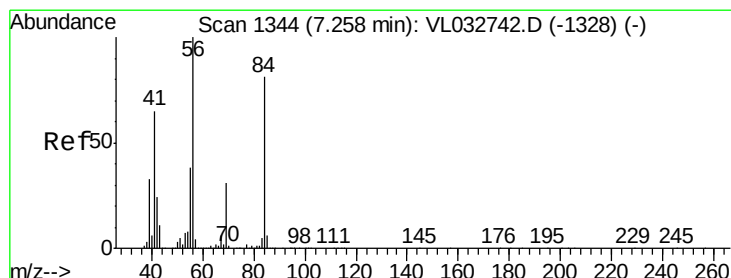
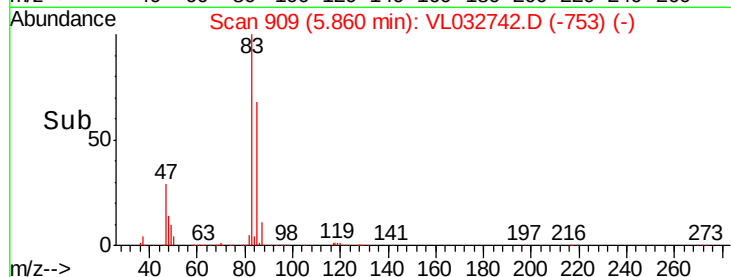
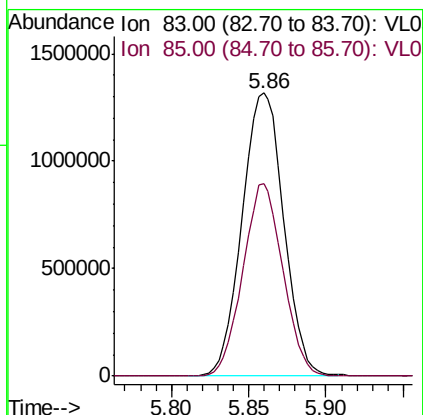
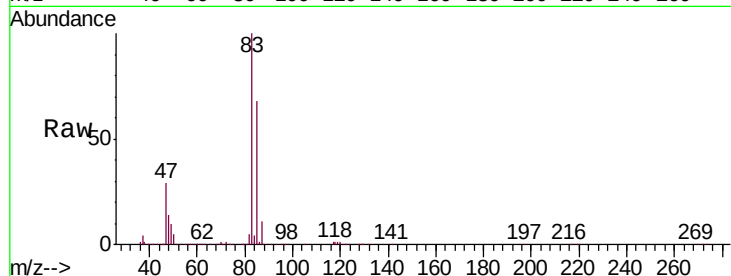




#29
Chloroform
Concen: 9.394 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

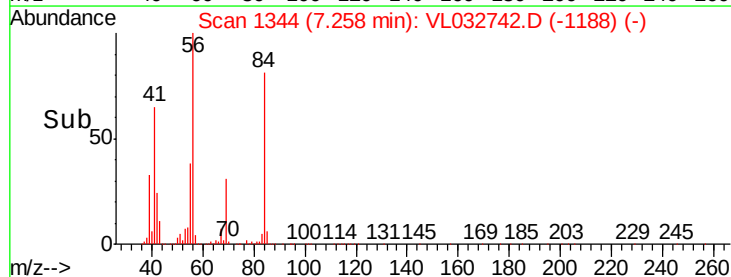
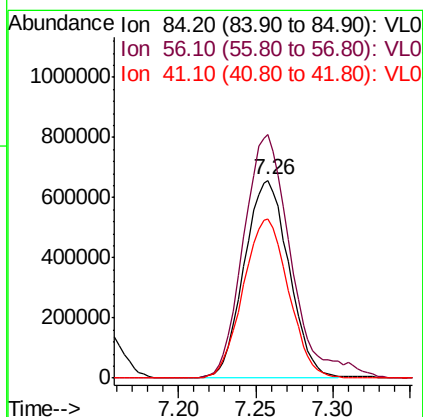
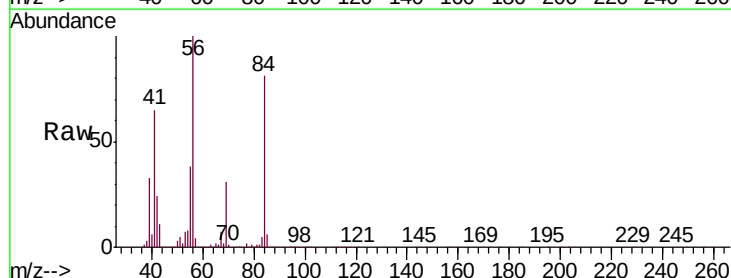
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

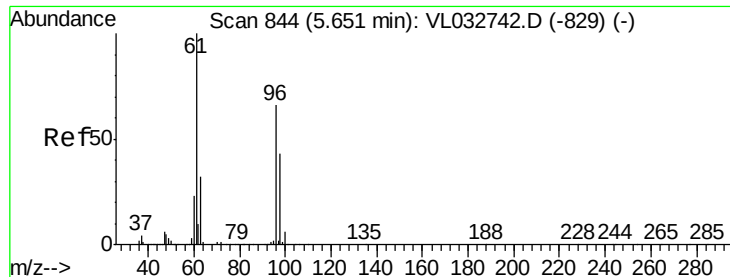
Tgt Ion: 83 Resp: 2463883
Ion Ratio Lower Upper
83 100
85 67.8 54.2 81.4



#30
Cyclohexane
Concen: 10.182 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 84 Resp: 1324146
Ion Ratio Lower Upper
84 100
56 131.1 105.0 157.4
41 81.7 65.3 97.9



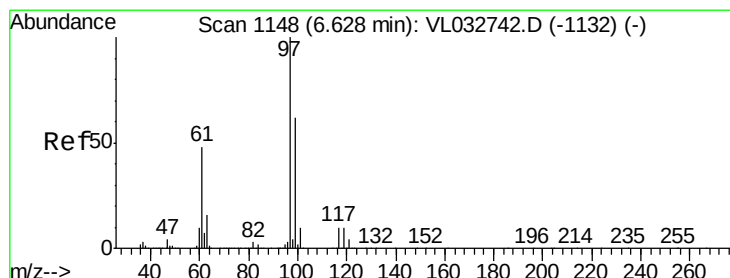
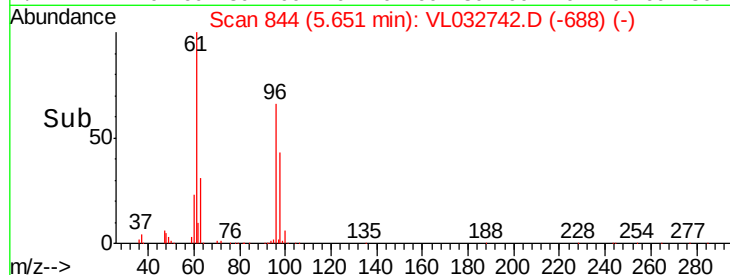
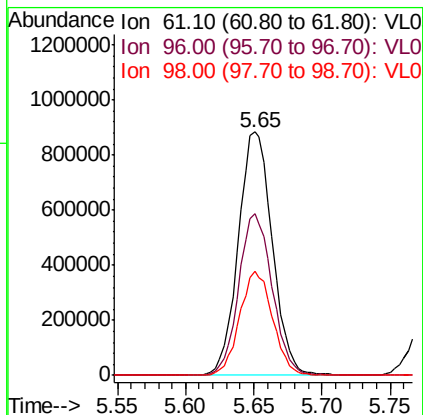
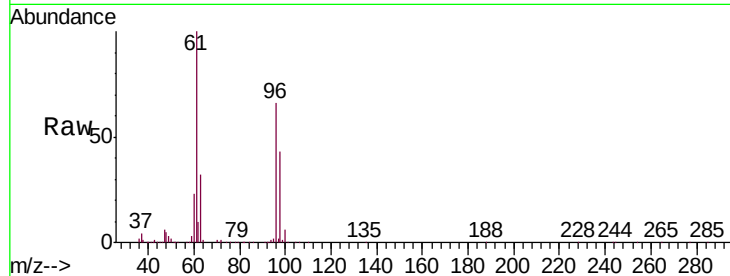


#31

cis-1,2-Dichloroethene
 Concen: 10.100 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

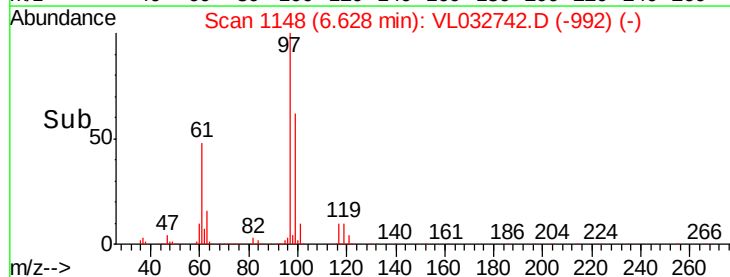
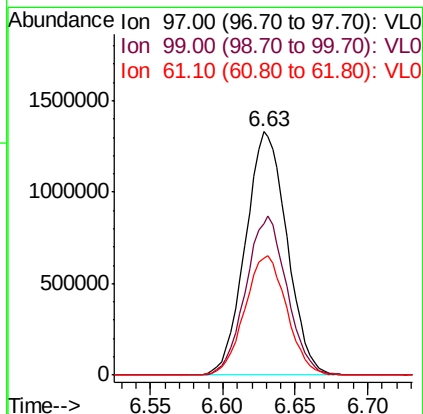
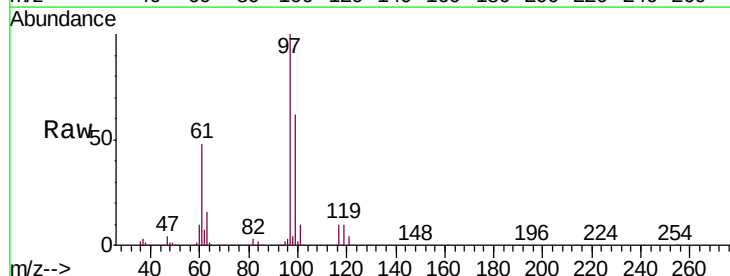
Tgt Ion: 61 Resp: 1529145
 Ion Ratio Lower Upper
 61 100
 96 66.5 53.2 79.8
 98 43.0 34.4 51.6

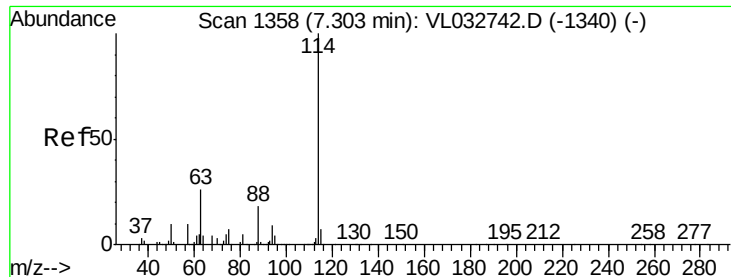


#32

1,1,1-Trichloroethane
 Concen: 9.857 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 97 Resp: 2650227
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 49.6 39.7 59.5

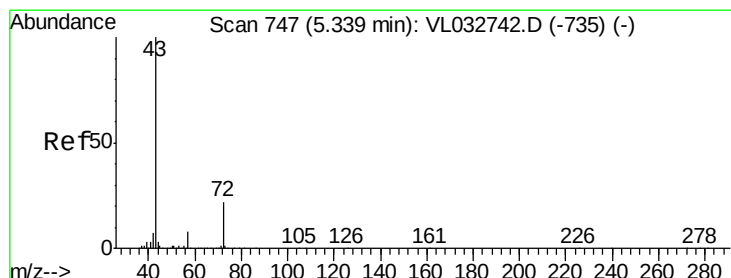
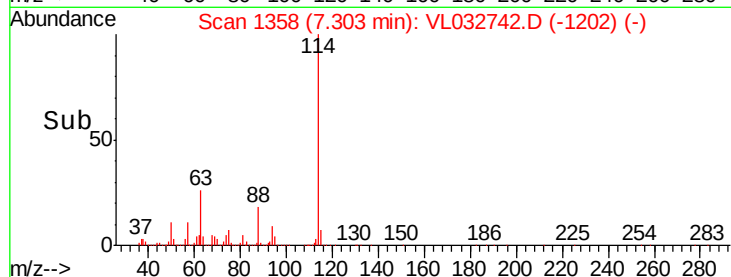
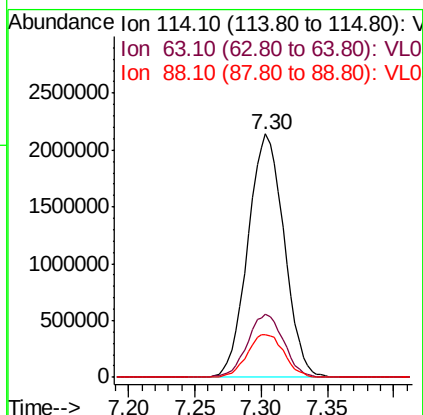
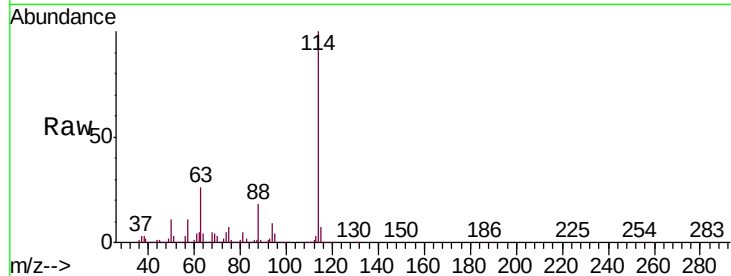




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

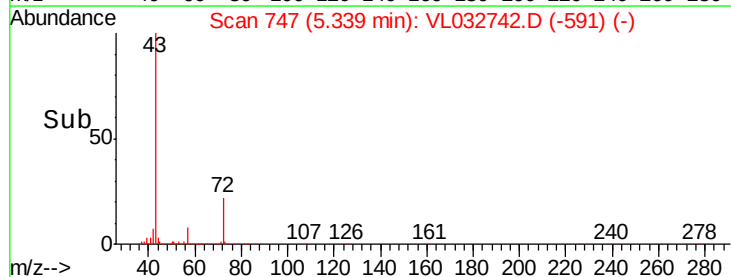
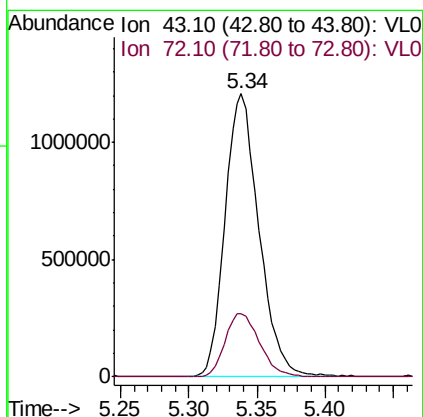
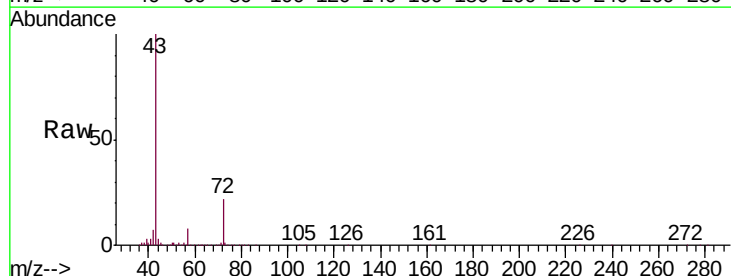
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

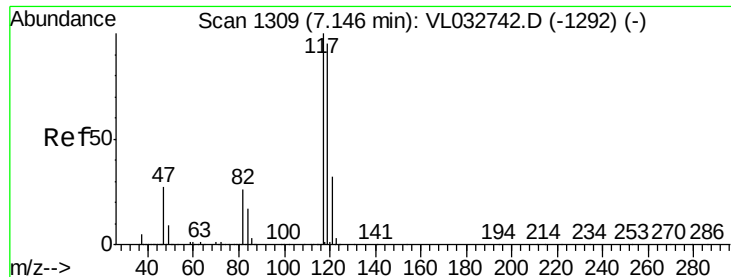
Tgt Ion: 114 Resp: 4067503
 Ion Ratio Lower Upper
 114 100
 63 26.1 20.9 31.3
 88 18.0 14.4 21.6



#34
 2-Butanone
 Concen: 9.481 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 43 Resp: 2069829
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.920 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

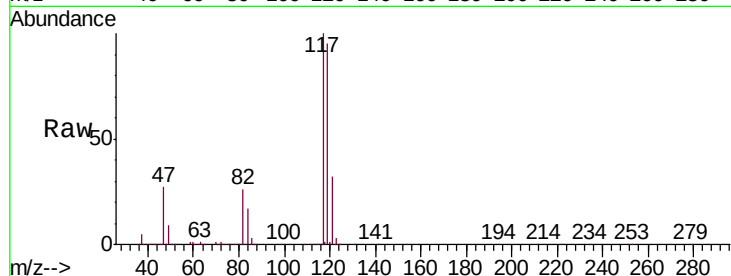
Tgt Ion: 117 Resp: 2891665

Ion Ratio Lower Upper

117 100

119 95.1 76.1 114.1

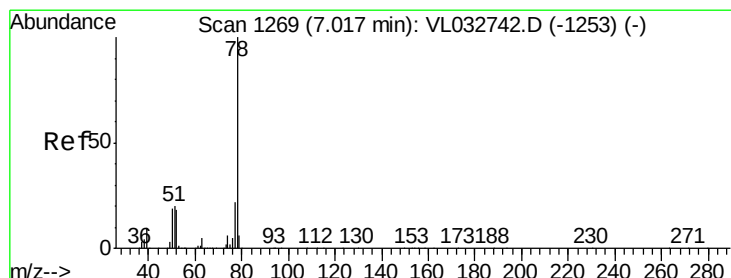
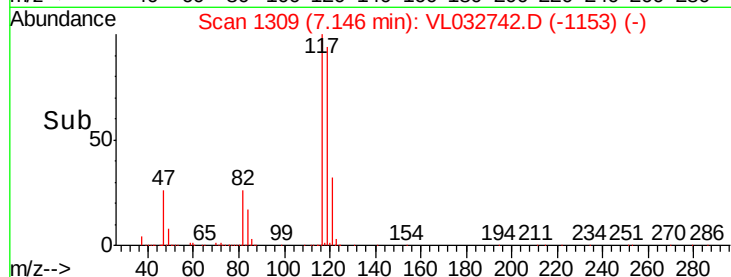
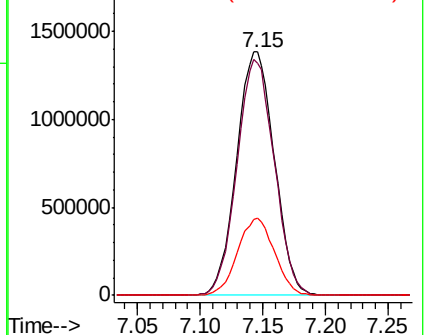
121 31.7 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.555 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

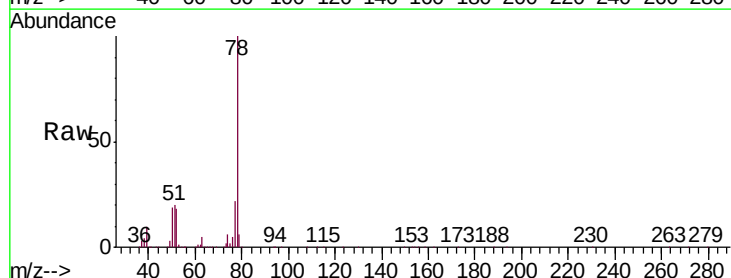
Tgt Ion: 78 Resp: 3140091

Ion Ratio Lower Upper

78 100

77 22.3 17.8 26.8

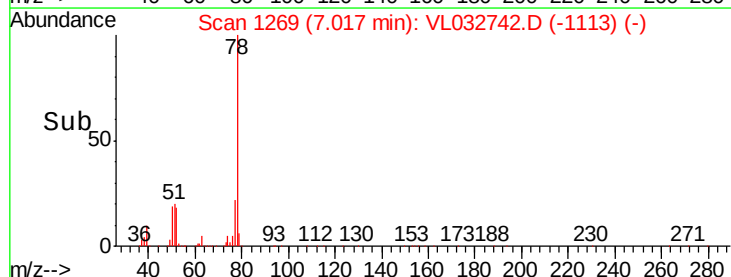
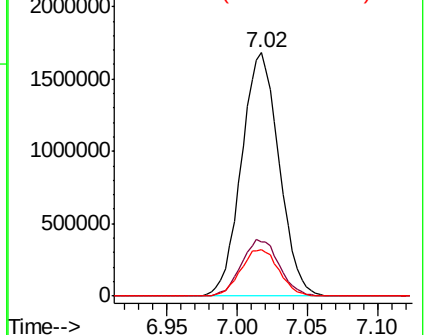
50 19.2 15.4 23.0

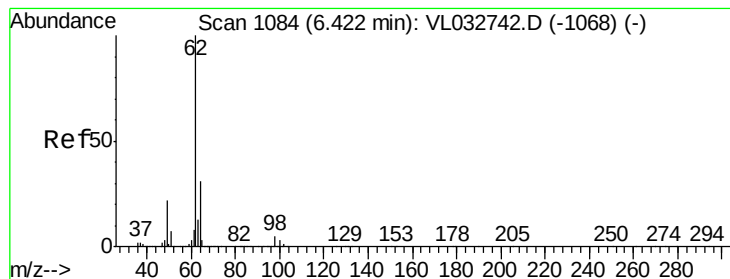


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.050 ppbv

RT: 6.42 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

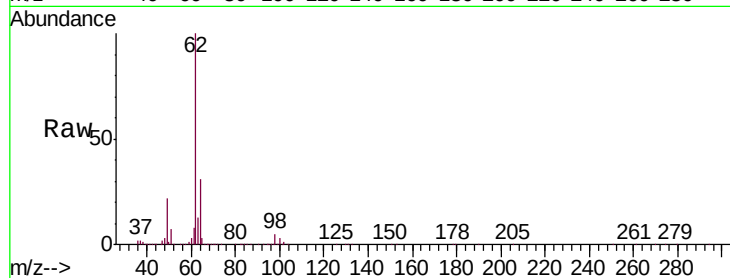
VSTDICCC010

Tgt Ion: 62 Resp: 2052790

Ion Ratio Lower Upper

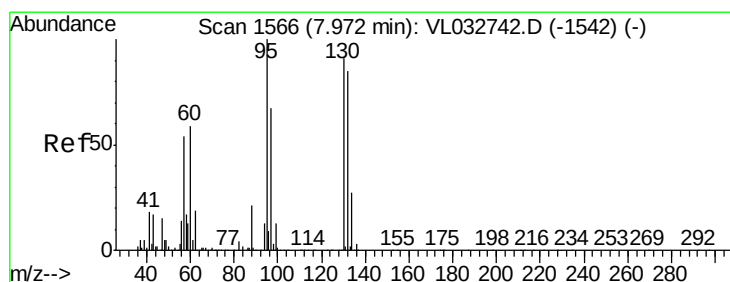
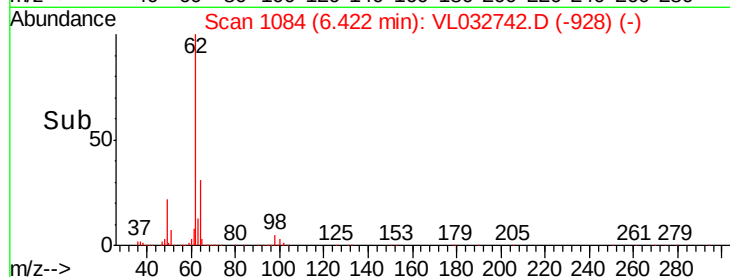
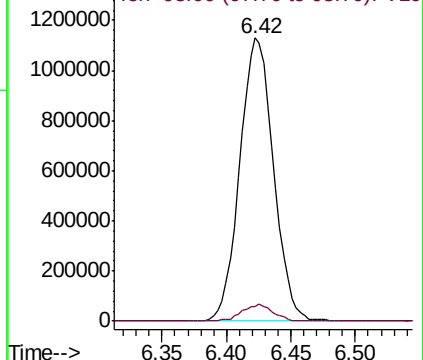
62 100

98 5.6 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.397 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Tgt Ion: 130 Resp: 1279535

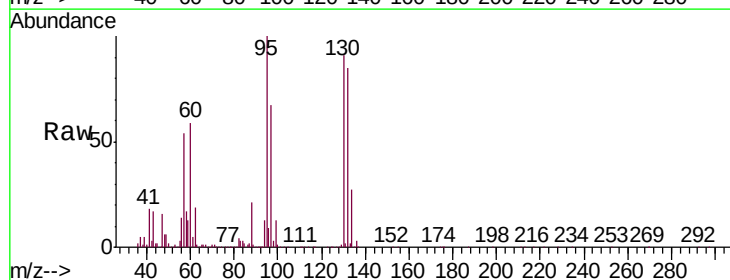
Ion Ratio Lower Upper

130 100

95 109.6 87.7 131.5

132 93.2 74.6 111.8

97 72.9 58.3 87.5

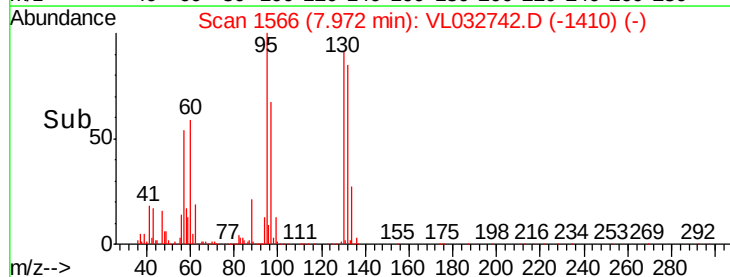
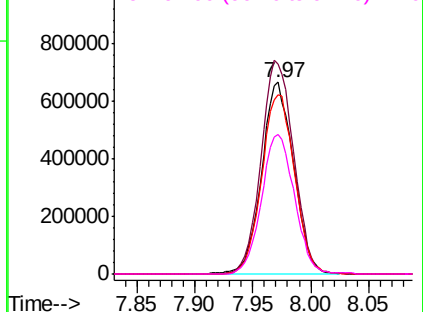


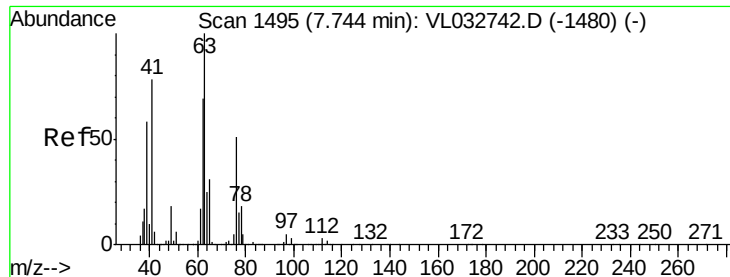
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.377 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

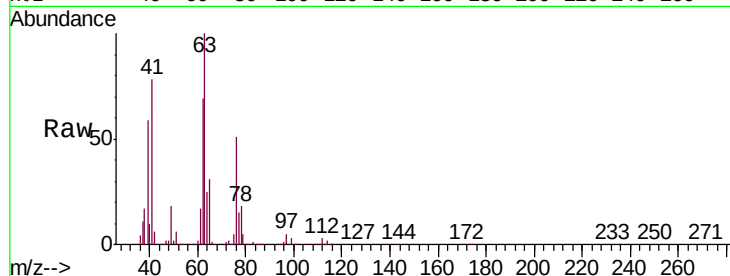
Tgt Ion: 63 Resp: 1189428

Ion Ratio Lower Upper

63 100

41 77.5 62.0 93.0

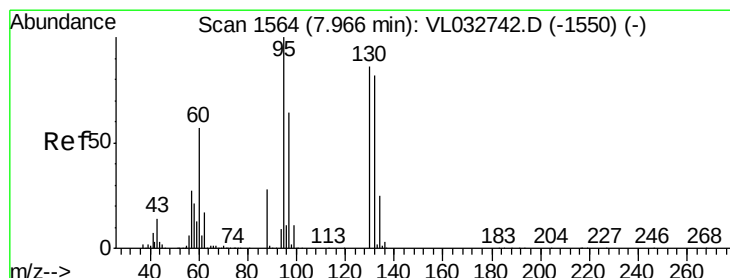
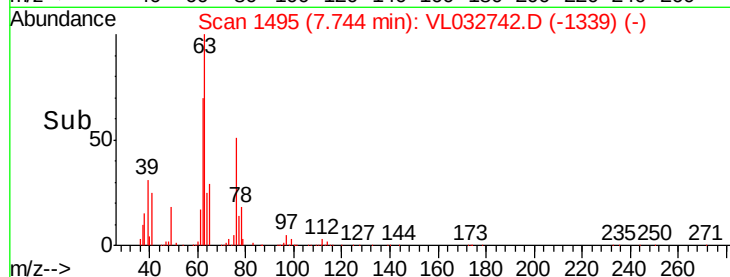
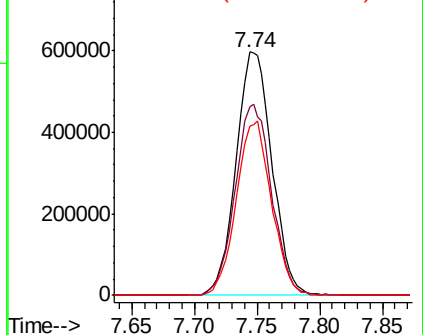
62 69.3 55.4 83.2



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: 9.691 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Tgt Ion: 88 Resp: 418250

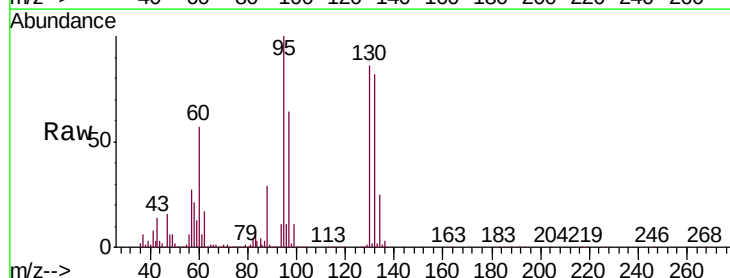
Ion Ratio Lower Upper

88 100

58 131.6 105.3 157.9

43 282.6 226.1 339.1

57 1269.0 1015.2 1522.8

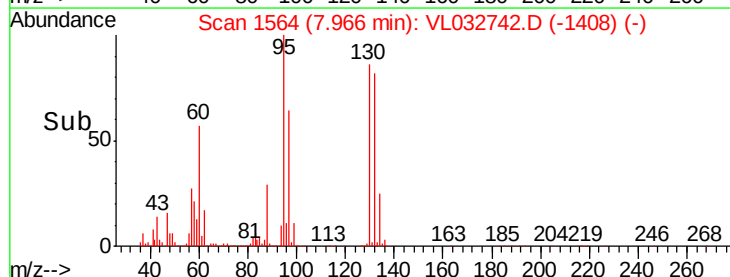
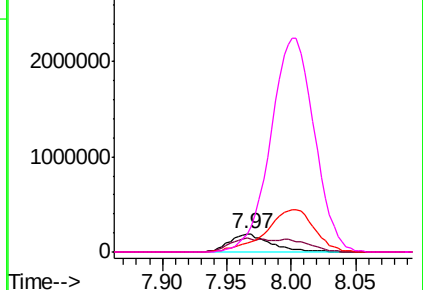


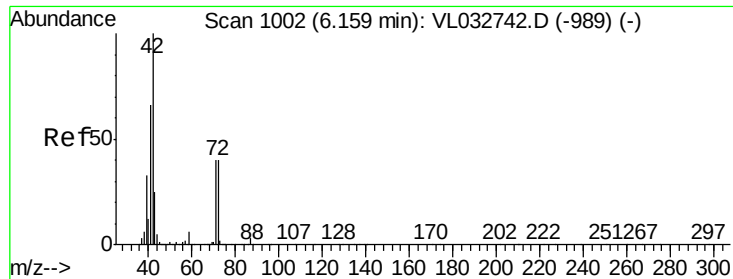
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

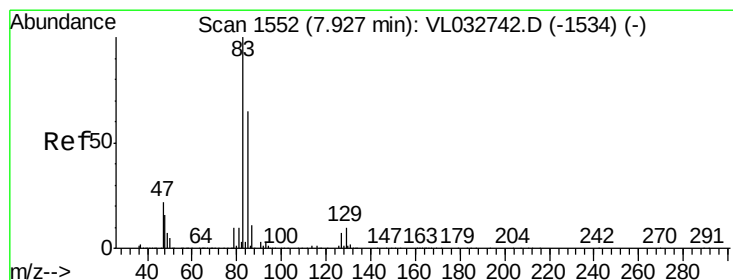
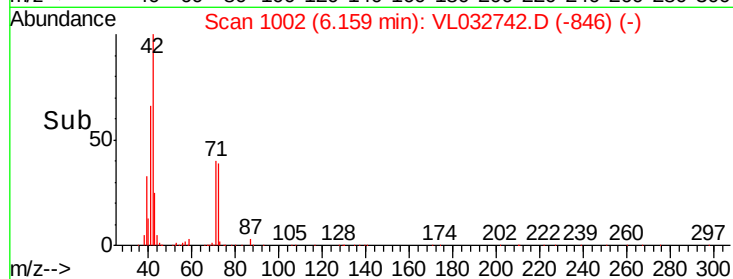
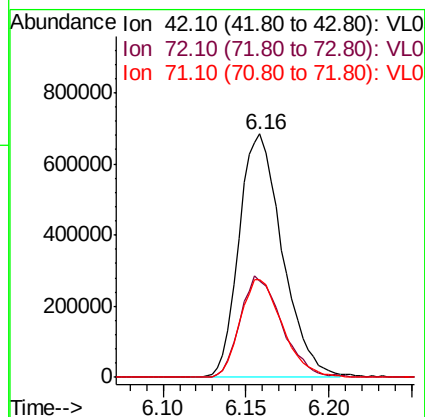
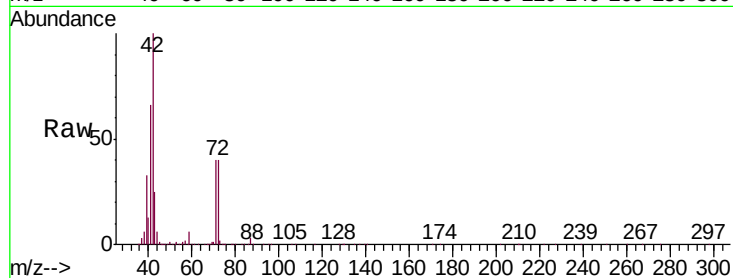




#41
Tetrahydrofuran
Concen: 10.281 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

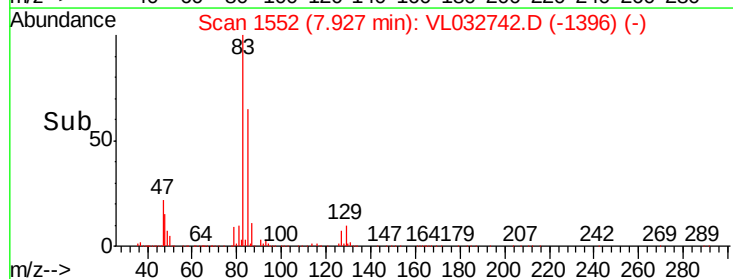
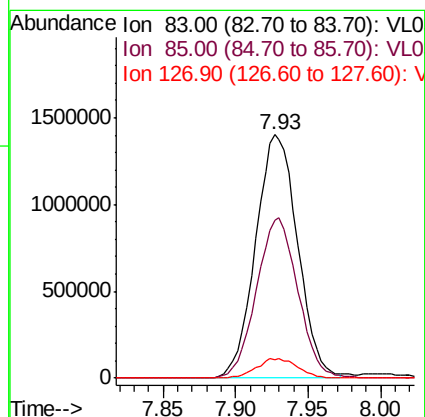
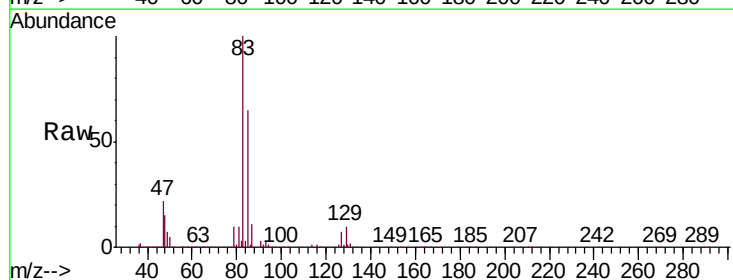
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

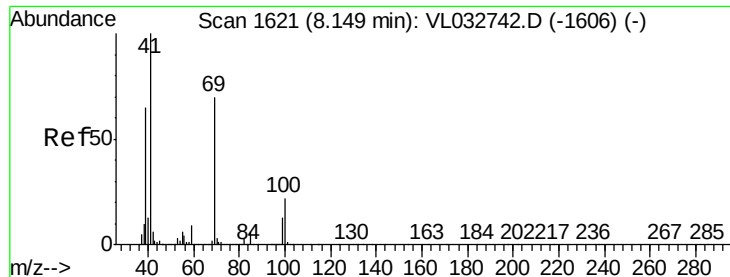
Tgt Ion: 42 Resp: 1242377
Ion Ratio Lower Upper
42 100
72 40.5 32.4 48.6
71 39.5 31.6 47.4



#42
Bromodichloromethane
Concen: 9.886 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 83 Resp: 2822278
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.8
127 7.4 5.9 8.9

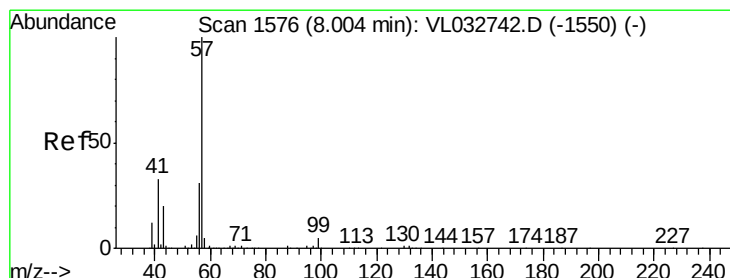
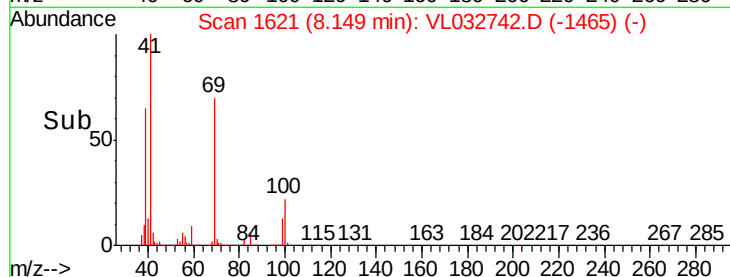
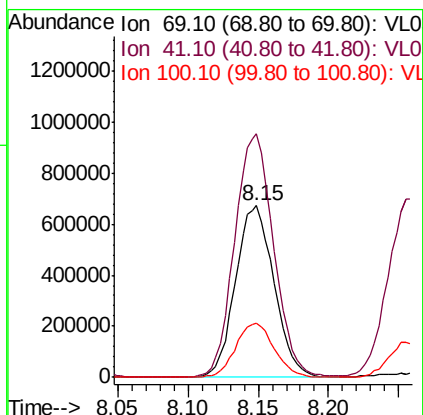
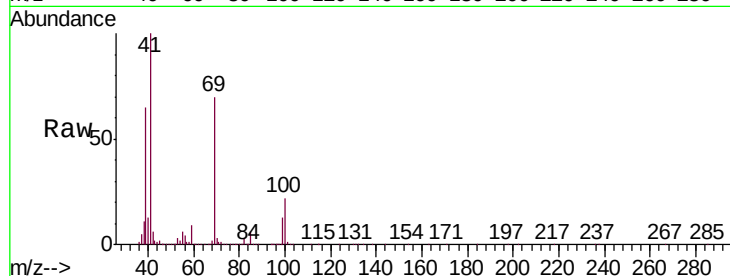




#43
Methyl Methacrylate
Concen: 10.634 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

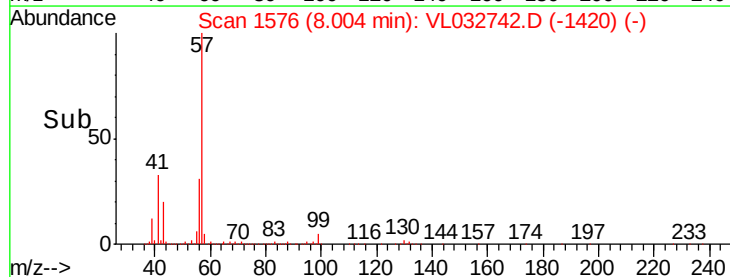
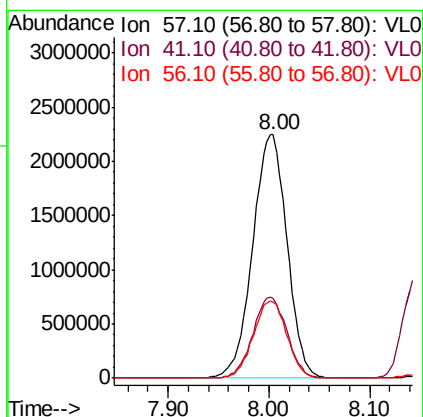
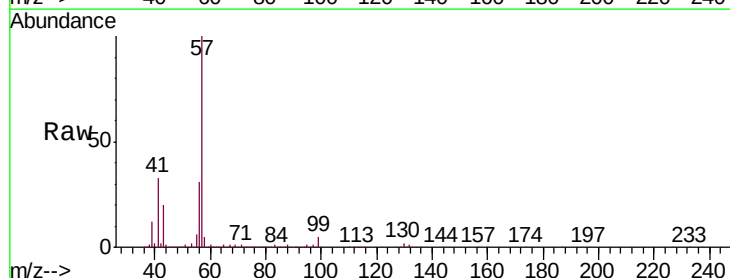
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

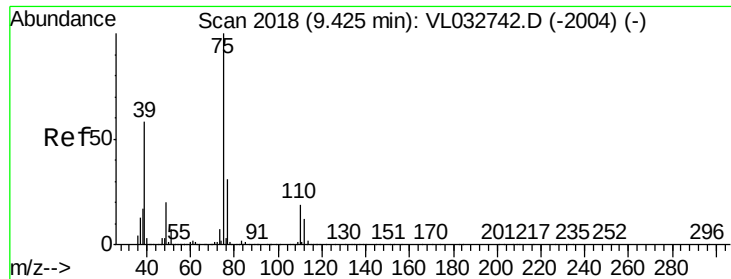
Tgt Ion: 69 Resp: 1284060
Ion Ratio Lower Upper
69 100
41 143.4 115.0 172.4
100 31.7 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.444 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 57 Resp: 5302013
Ion Ratio Lower Upper
57 100
41 33.2 26.6 39.8
56 30.9 24.8 37.2

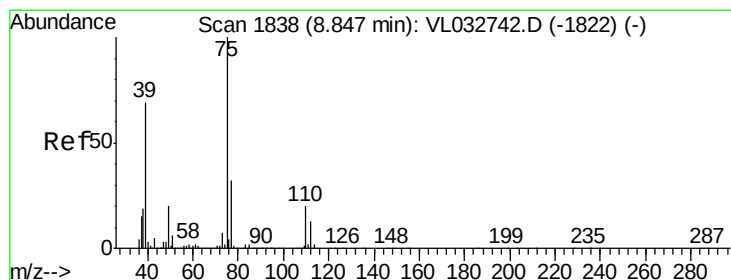
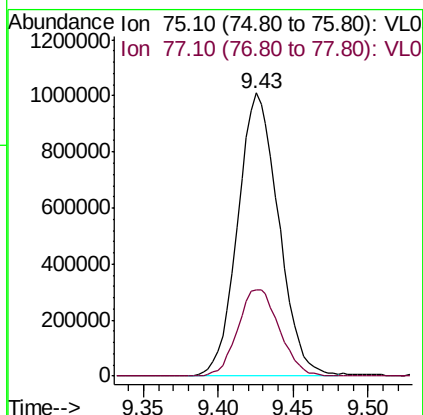
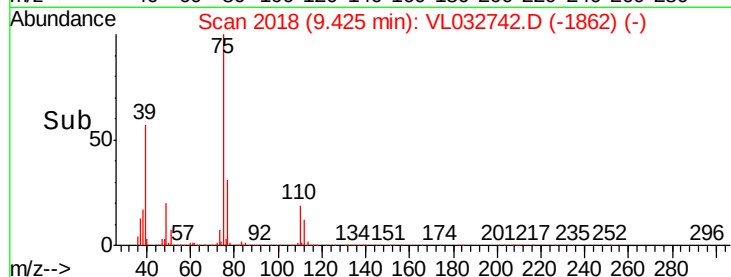
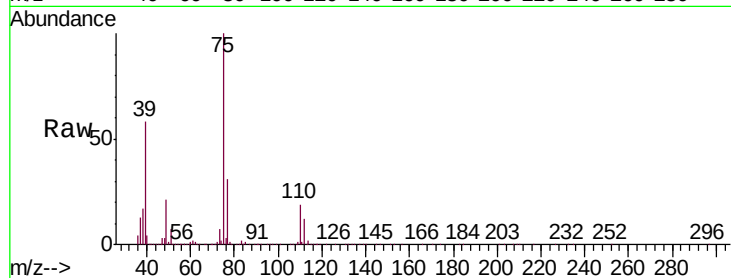




#45
 t-1,3-Dichloropropene
 Concen: 11.856 ppbv
 RT: 9.43 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

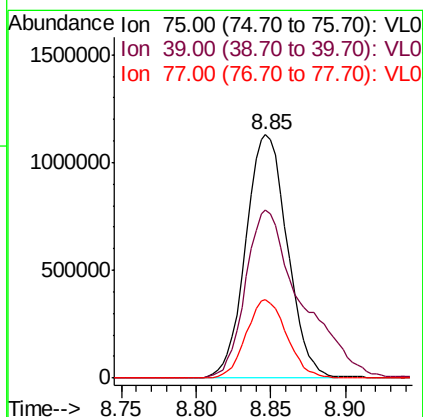
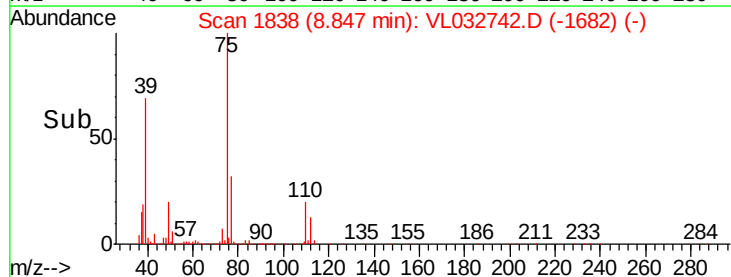
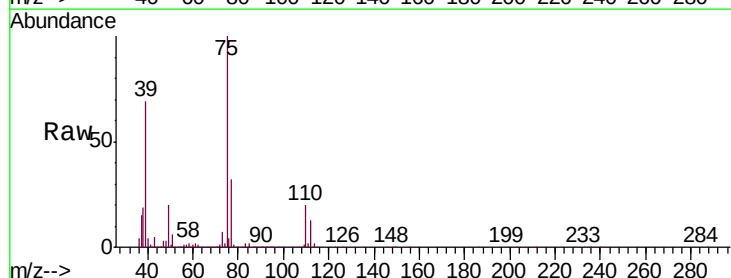
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

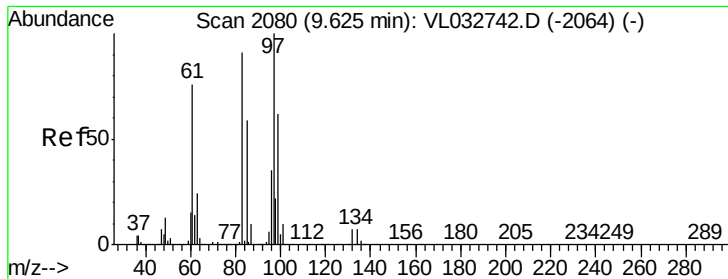
Tgt Ion: 75 Resp: 1917084
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 11.630 ppbv
 RT: 8.85 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 75 Resp: 2183961
 Ion Ratio Lower Upper
 75 100
 39 69.0 55.2 82.8
 77 32.2 25.8 38.6



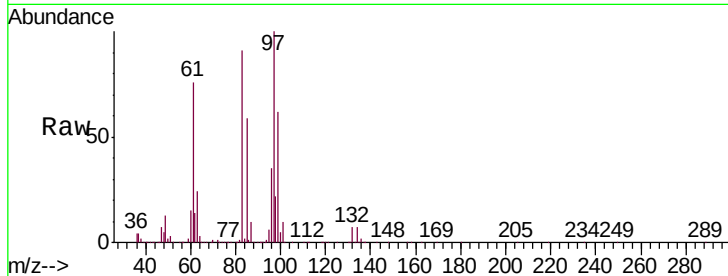


#47
 1,1,2-Trichloroethane
 Concen: 9.438 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 97 Resp: 1414829

Ion	Ratio	Lower	Upper
97	100		
83	91.2	73.0	109.4
85	58.7	47.0	70.4
99	62.4	49.9	74.9



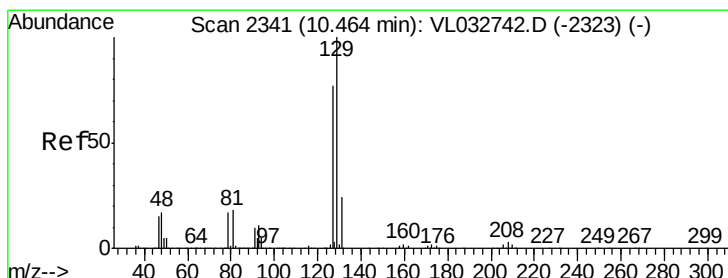
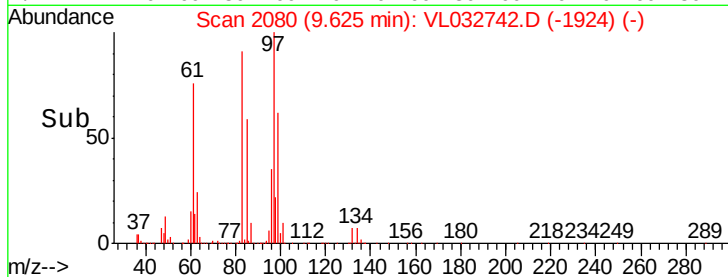
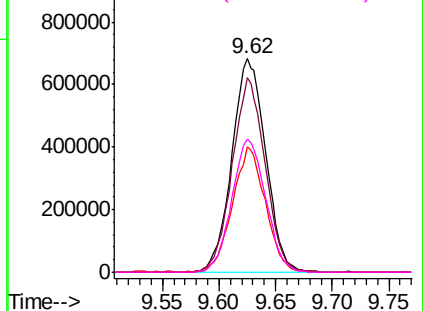
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

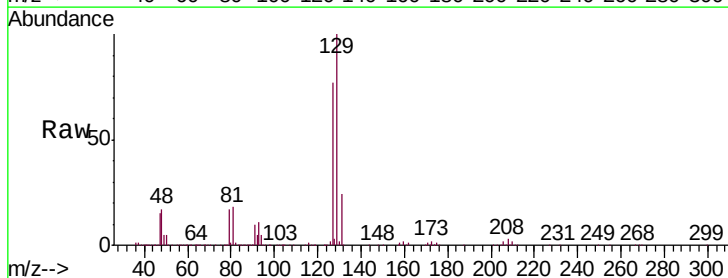
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.478 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 129 Resp: 2645817

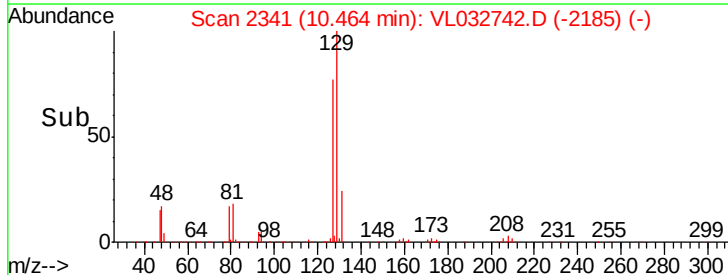
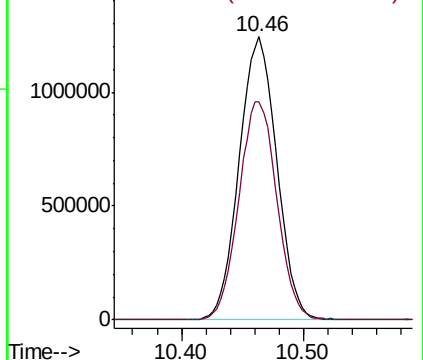
Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.0	117.0

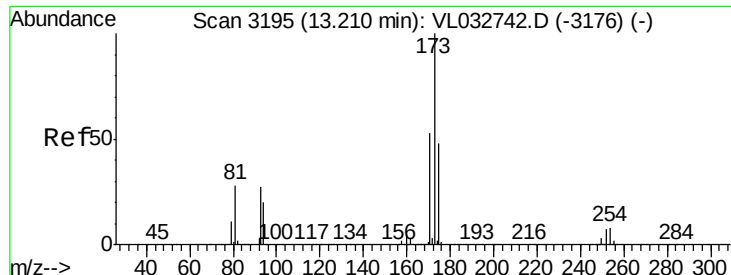


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.337 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

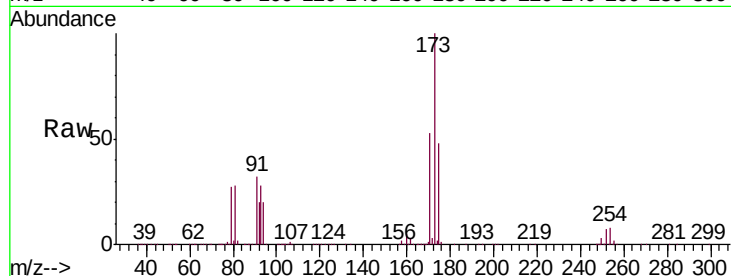
Tgt Ion: 173 Resp: 2049401

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

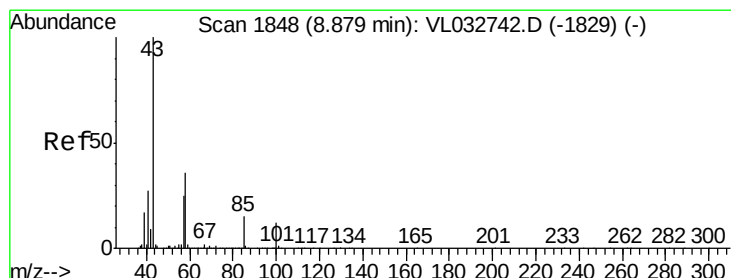
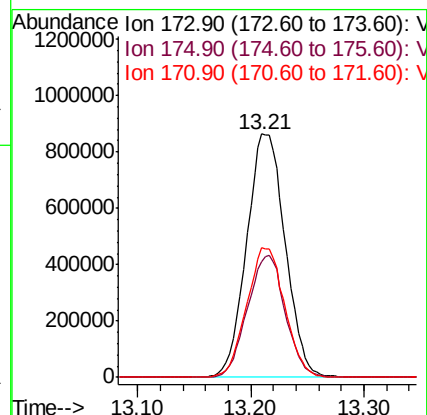
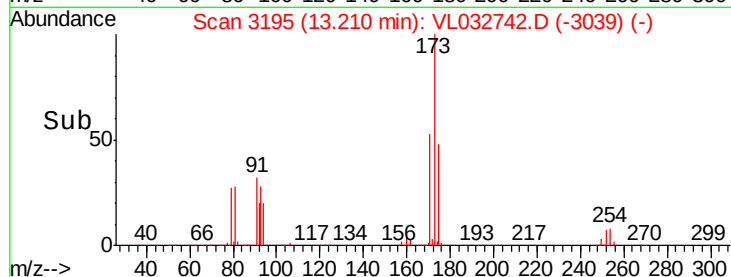
171 52.5 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.353 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032742.D

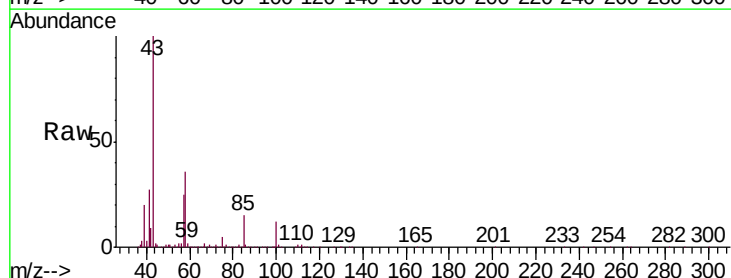
Acq: 14 Nov 2018 2:27

Tgt Ion: 43 Resp: 3381492

Ion Ratio Lower Upper

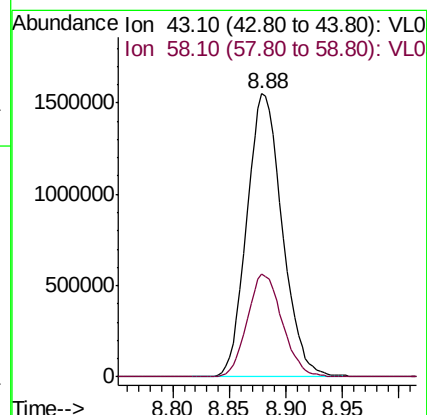
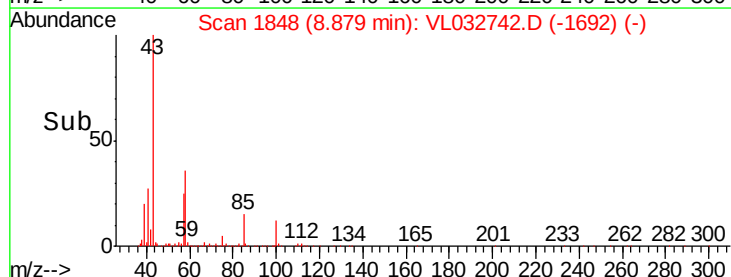
43 100

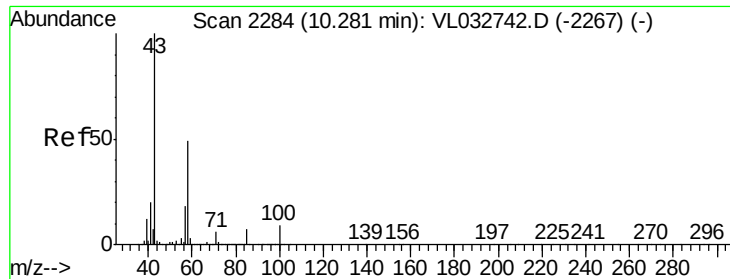
58 36.0 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

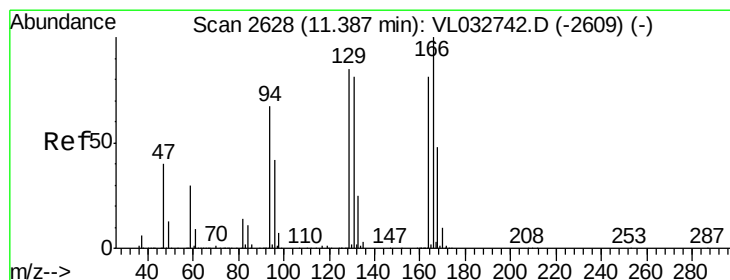
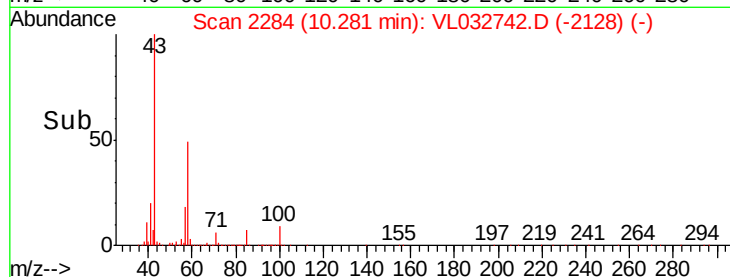
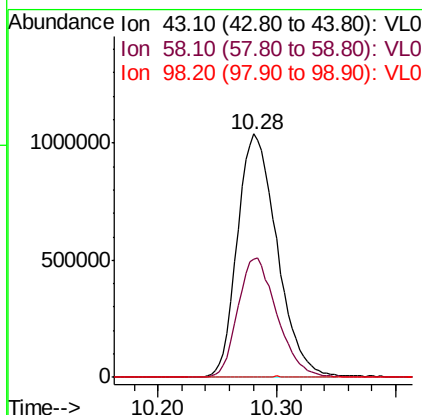
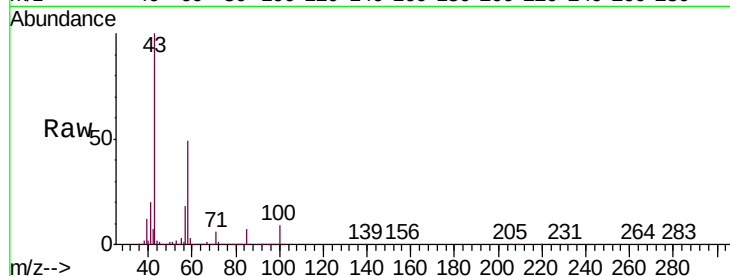




#51
2-Hexanone
Concen: 10.225 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

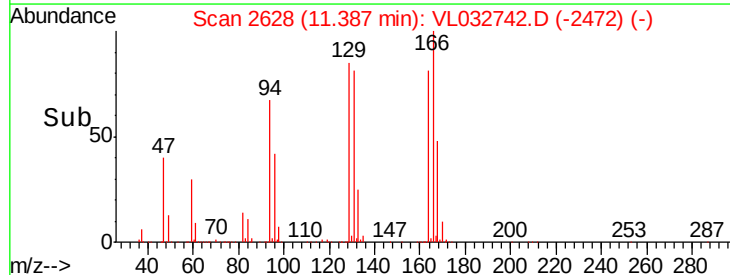
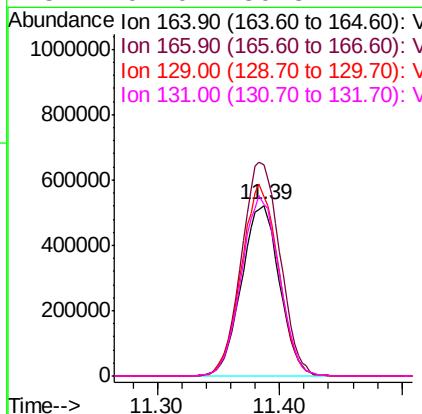
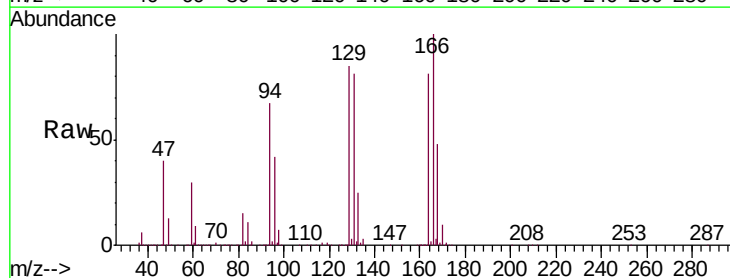
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

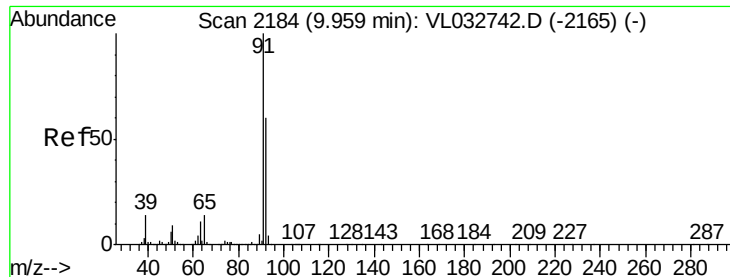
Tgt Ion: 43 Resp: 2403700
Ion Ratio Lower Upper
43 100
58 48.6 38.9 58.3
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 9.719 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 164 Resp: 1119058
Ion Ratio Lower Upper
164 100
166 124.1 99.3 148.9
129 104.9 83.9 125.9
131 101.0 80.8 121.2





#53

Toluene

Concen: 9.887 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

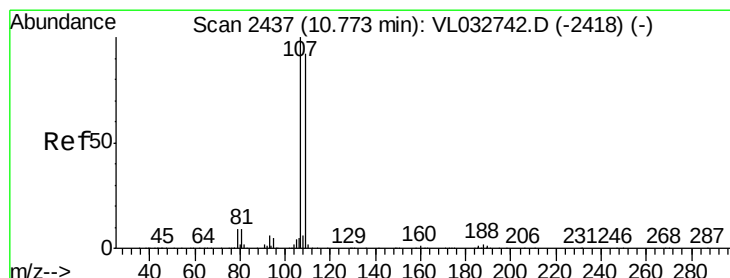
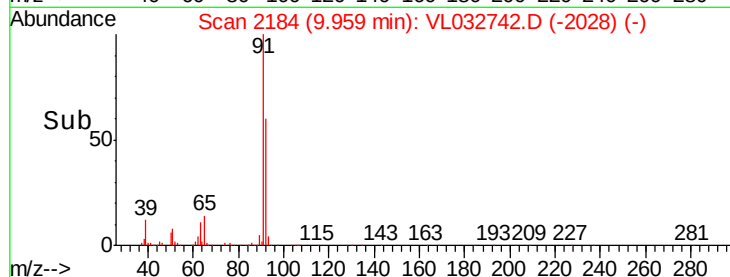
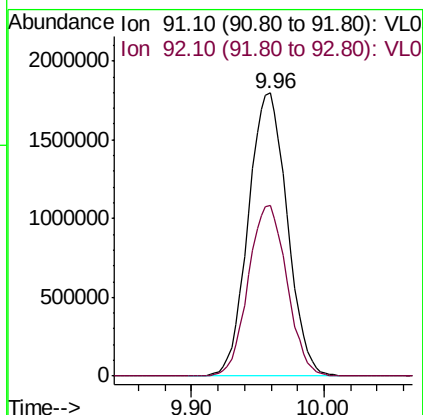
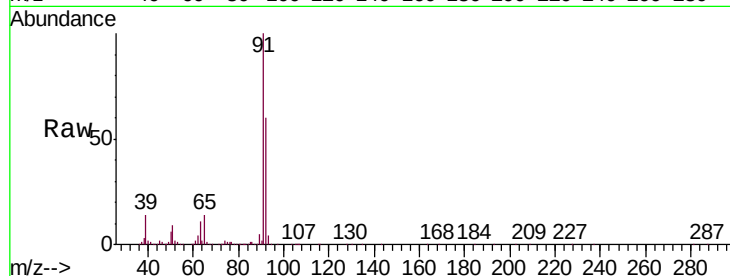
VSTDICCC010

Tgt Ion: 91 Resp: 3672530

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 10.277 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032742.D

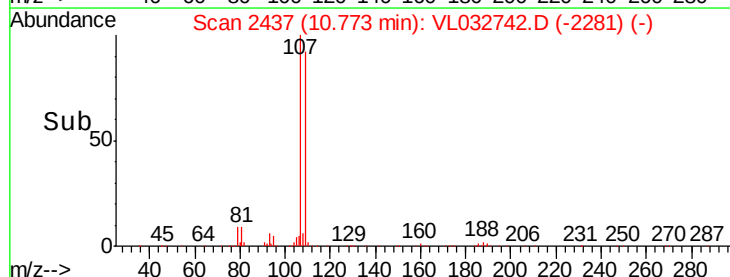
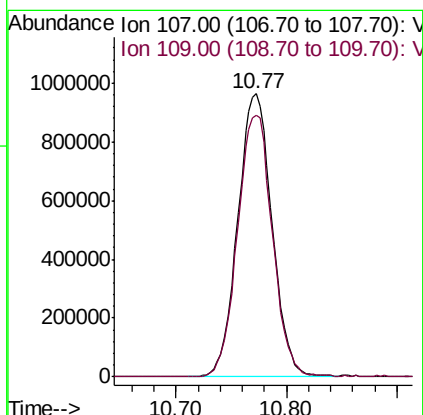
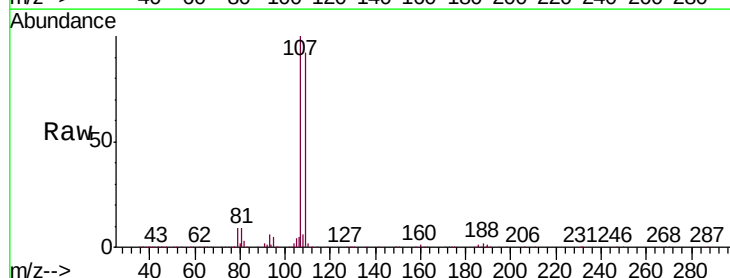
Acq: 14 Nov 2018 2:27

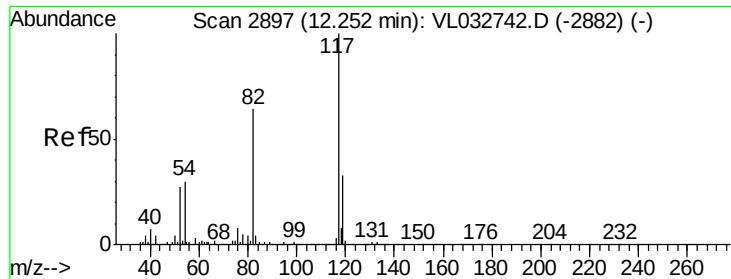
Tgt Ion: 107 Resp: 2071776

Ion Ratio Lower Upper

107 100

109 92.3 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.25 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

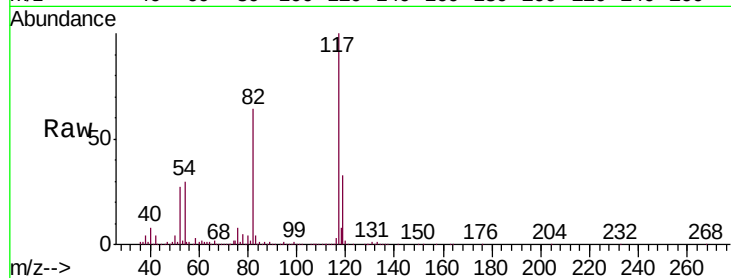
Tgt Ion:117 Resp: 3934974

Ion Ratio Lower Upper

117 100

82 63.8 51.0 76.6

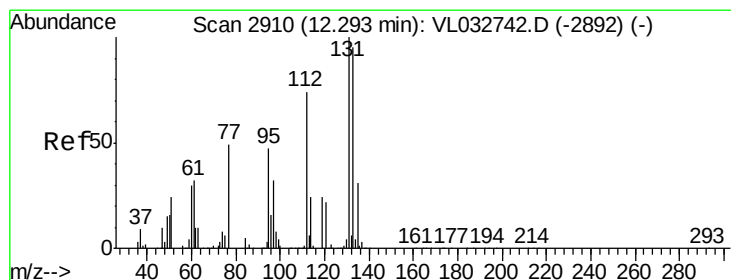
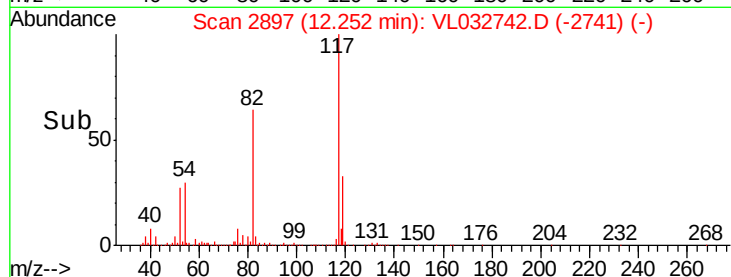
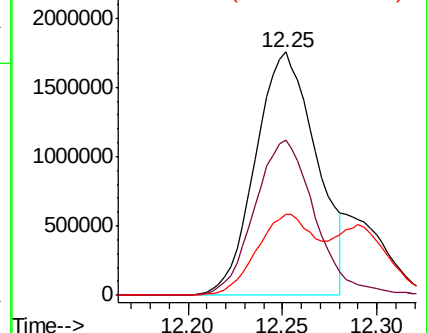
119 33.0 28.0 42.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.780 ppbv

RT: 12.29 min Scan# 2910

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

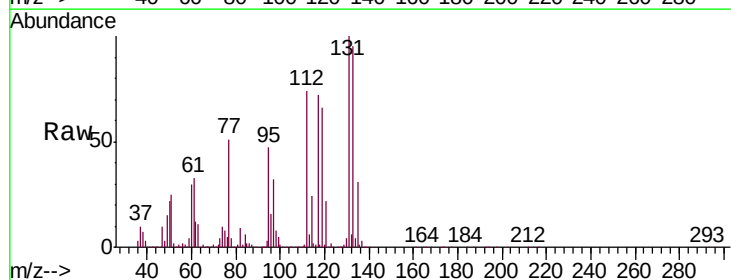
Tgt Ion:131 Resp: 1709469

Ion Ratio Lower Upper

131 100

133 94.6 75.8 113.6

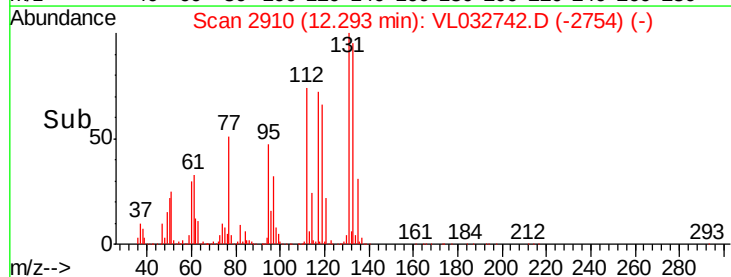
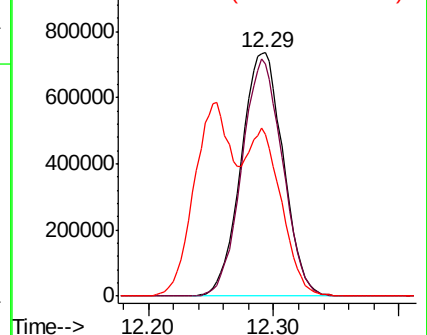
119 51.8 45.2 67.8

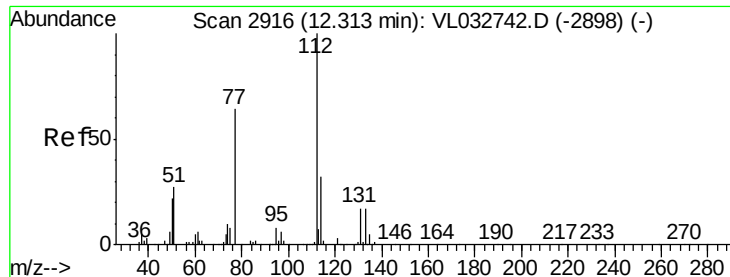


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

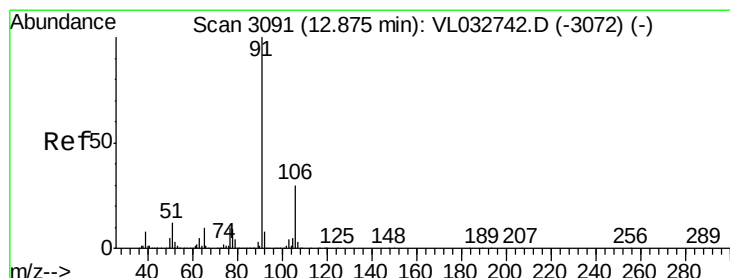
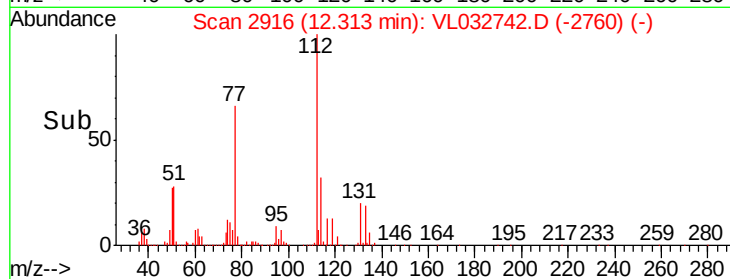
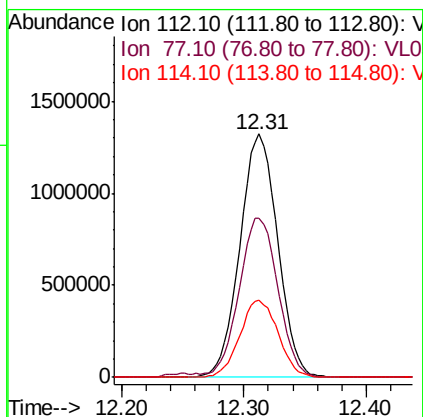
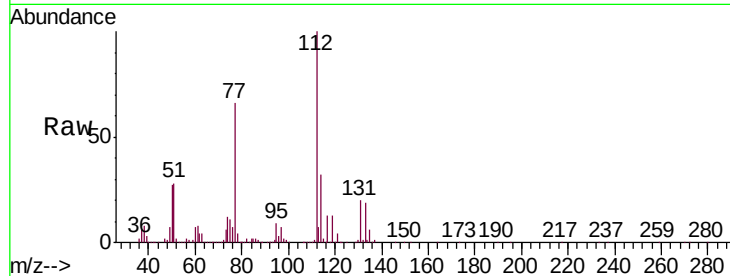




#57
Chlorobenzene
Concen: 9.650 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

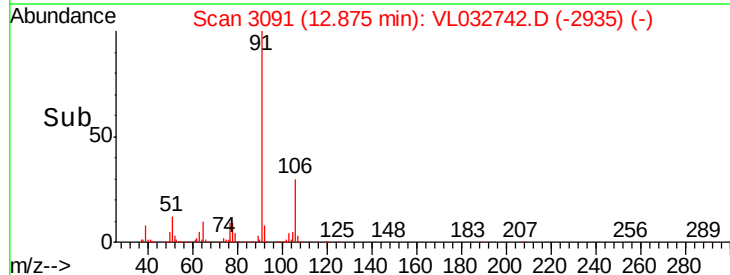
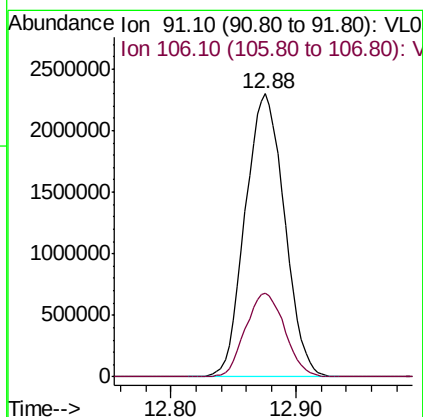
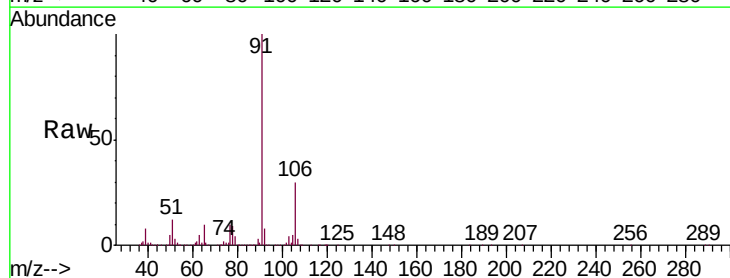
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

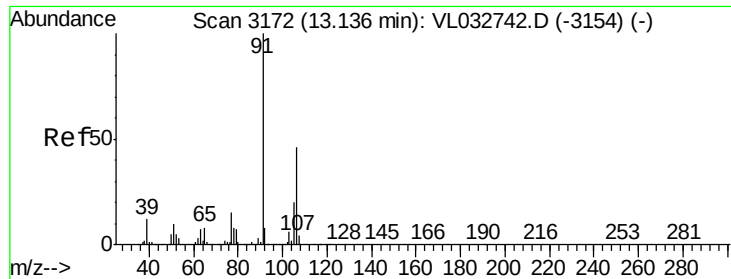
Tgt Ion: 112 Resp: 2824843
Ion Ratio Lower Upper
112 100
77 65.4 52.3 78.5
114 31.6 28.4 34.8



#58
Ethyl Benzene
Concen: 10.834 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL032742.D
Acq: 14 Nov 2018 2:27

Tgt Ion: 91 Resp: 5003969
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4





#59

m/p-Xylene

Concen: 20.346 ppbv m

RT: 13.14 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

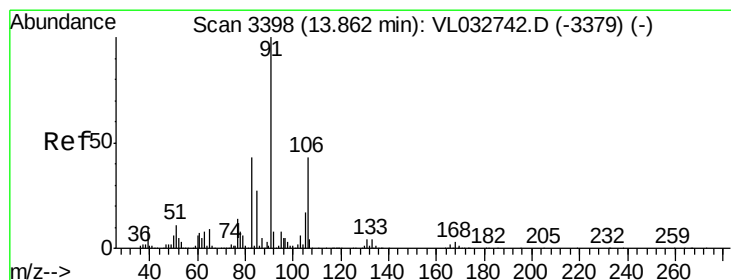
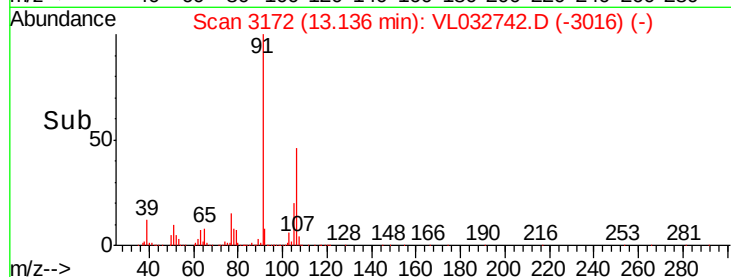
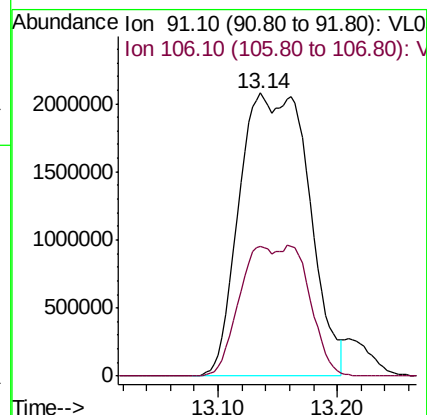
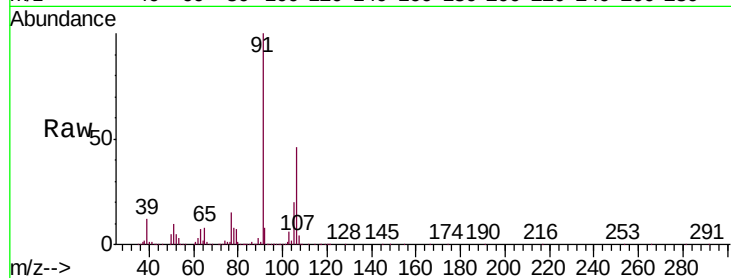
VSTDICCC010

Tgt Ion: 91 Resp: 8363187

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 10.360 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL032742.D

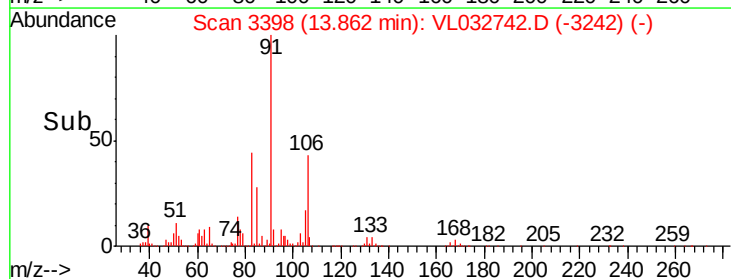
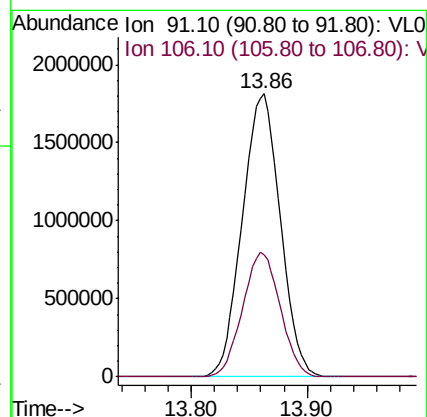
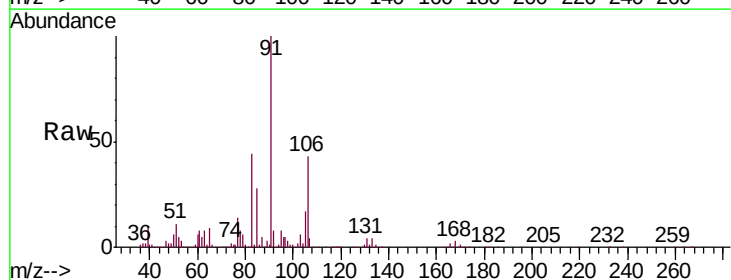
Acq: 14 Nov 2018 2:27

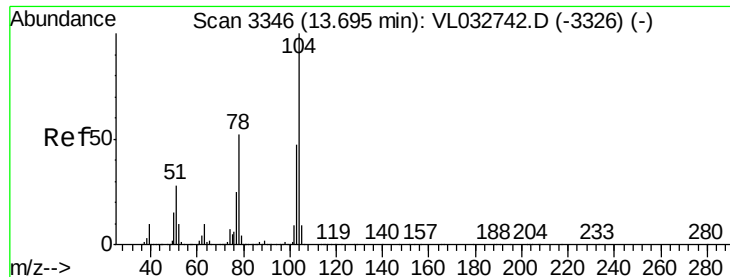
Tgt Ion: 91 Resp: 4136167

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.7





#61

Styrene

Concen: 11.612 ppbv

RT: 13.70 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

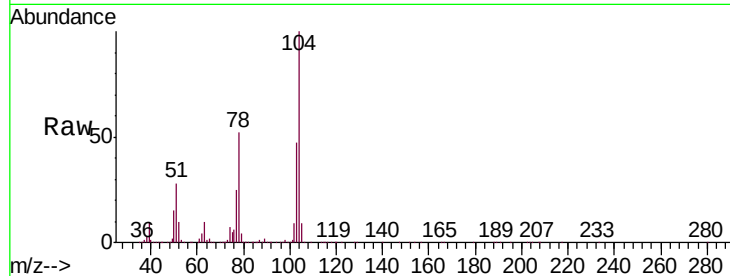
Tgt Ion:104 Resp: 3101594

Ion Ratio Lower Upper

104 100

78 52.8 42.2 63.4

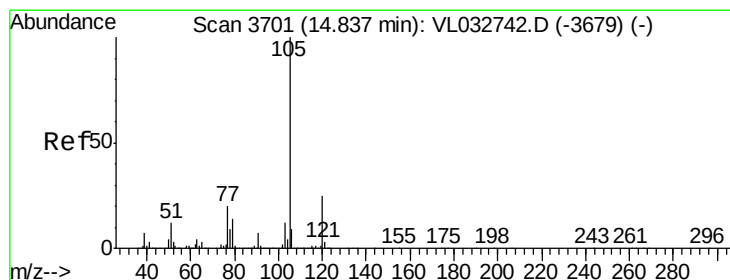
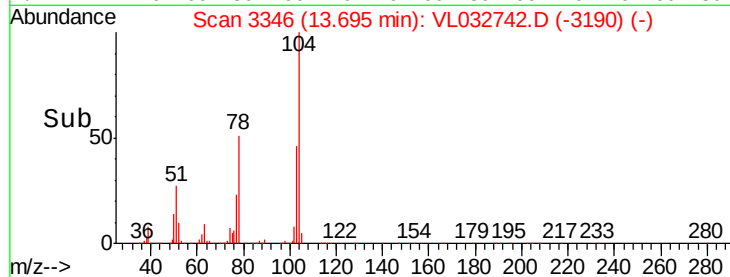
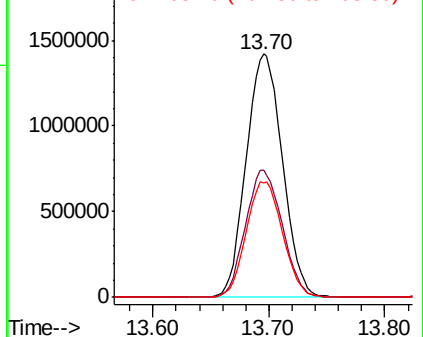
103 47.7 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.162 ppbv

RT: 14.84 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VL032742.D

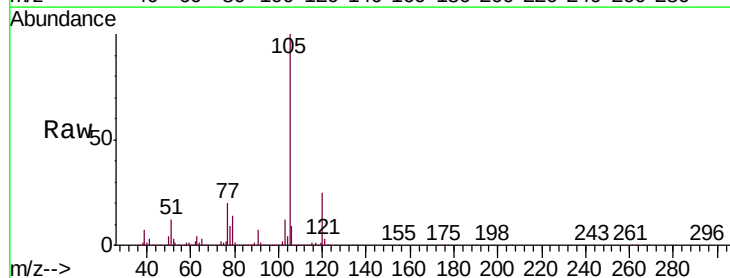
Acq: 14 Nov 2018 2:27

Tgt Ion:105 Resp: 5730707

Ion Ratio Lower Upper

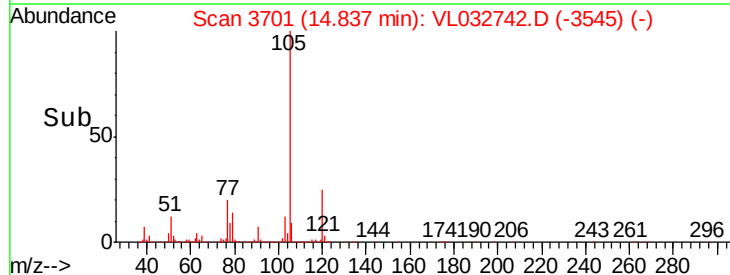
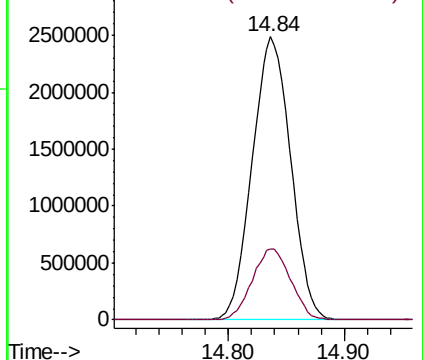
105 100

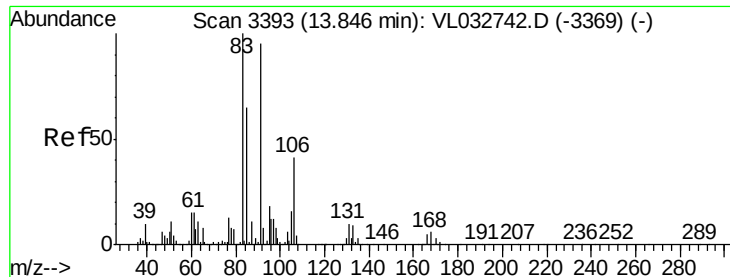
120 25.1 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

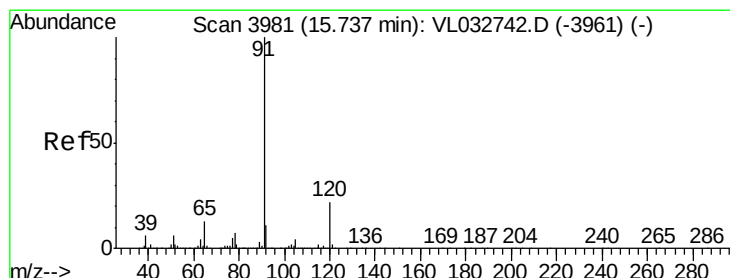
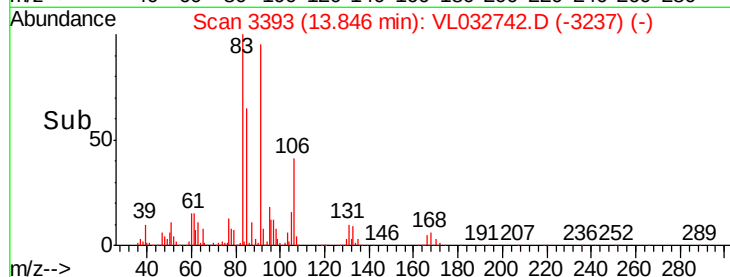
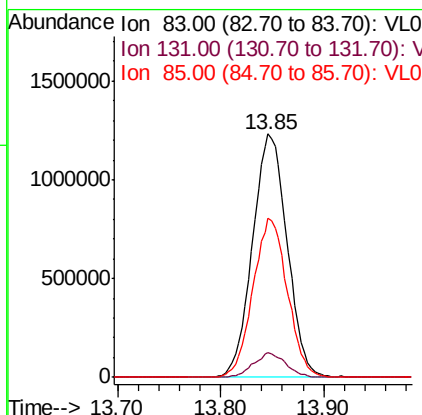
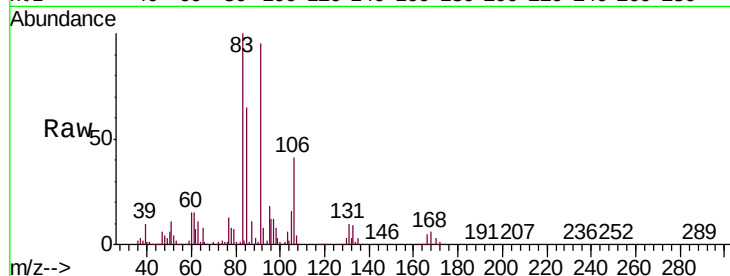




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.219 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

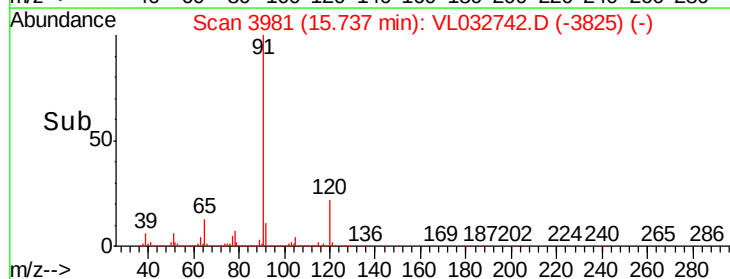
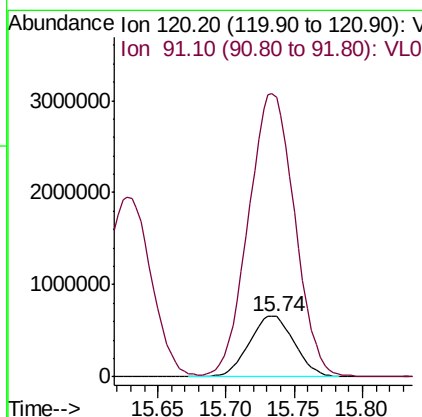
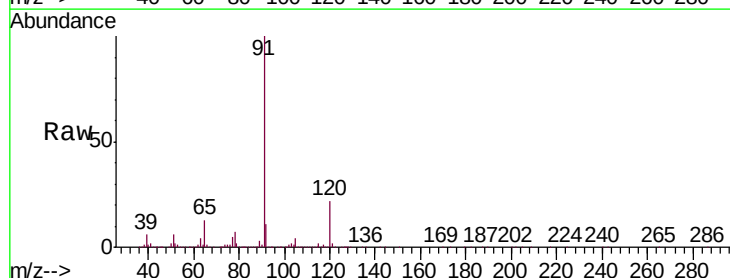
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

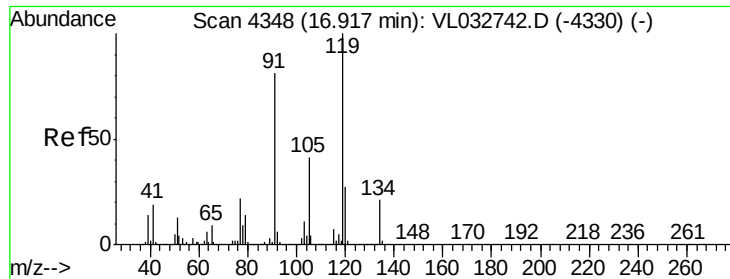
Tgt Ion: 83 Resp: 2861283
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.1
 85 65.0 32.5 97.4



#64
 n-propylbenzene
 Concen: 10.801 ppbv
 RT: 15.74 min Scan# 3981
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 120 Resp: 1525252
 Ion Ratio Lower Upper
 120 100
 91 476.9 381.7 572.5

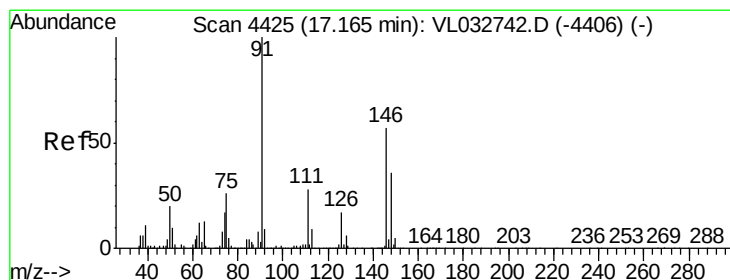
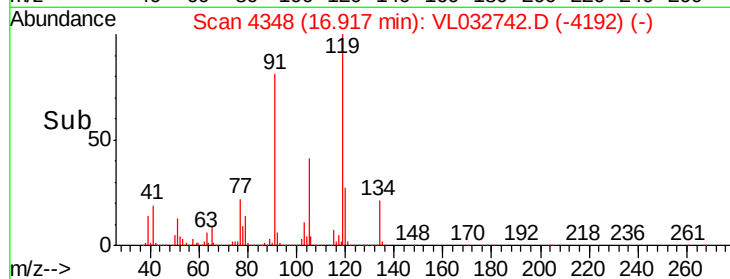
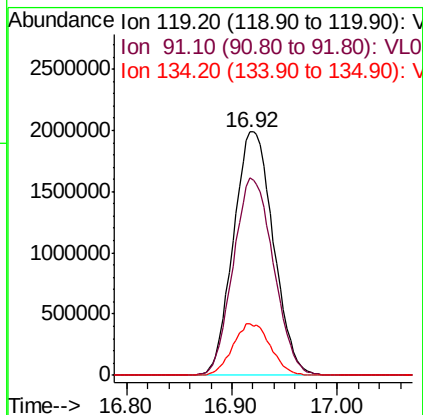
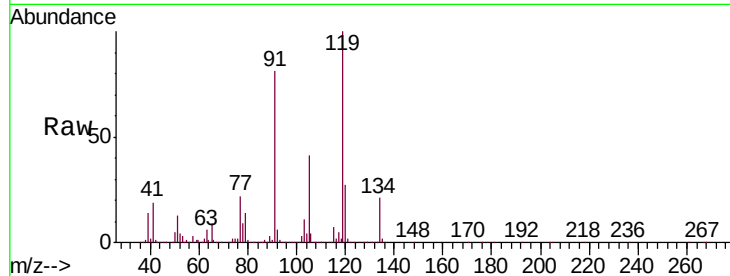




#65
 tert-Butylbenzene
 Concen: 10.748 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

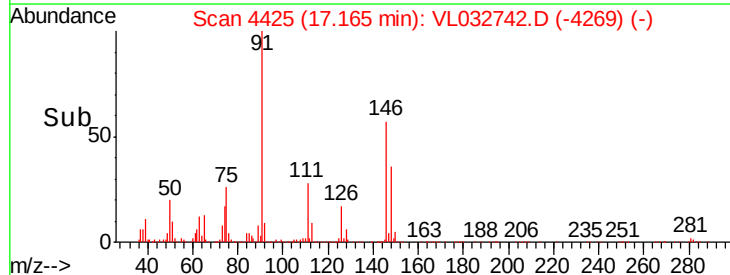
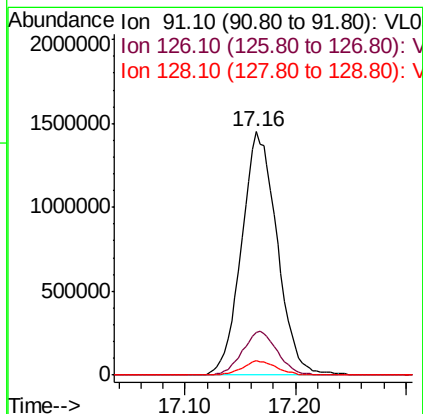
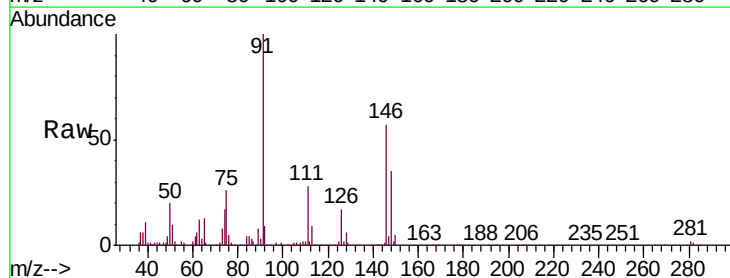
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

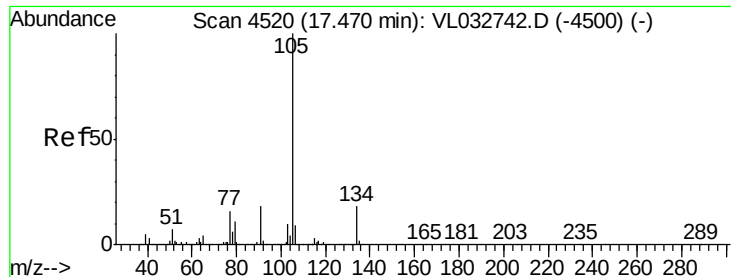
Tgt Ion: 119 Resp: 5224017
 Ion Ratio Lower Upper
 119 100
 91 82.0 65.6 98.4
 134 19.9 15.9 23.9



#66
 Benzyl Chloride
 Concen: 12.688 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 91 Resp: 3220425
 Ion Ratio Lower Upper
 91 100
 126 17.8 14.2 21.2
 128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 10.612 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

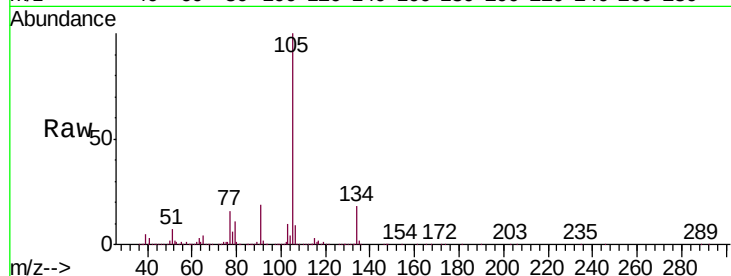
VSTDICCC010

Tgt Ion:105 Resp: 7323378

Ion Ratio Lower Upper

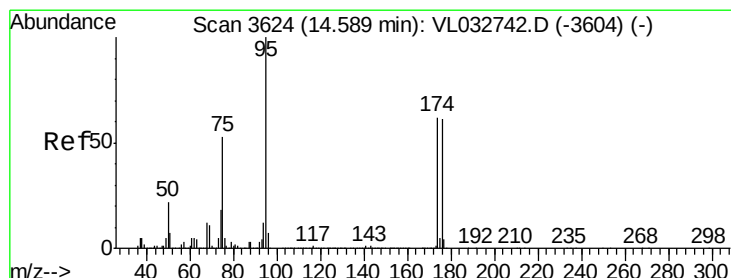
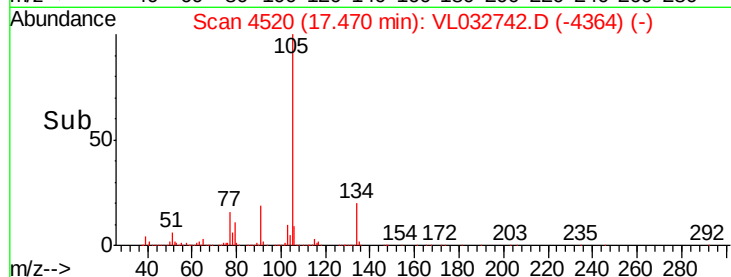
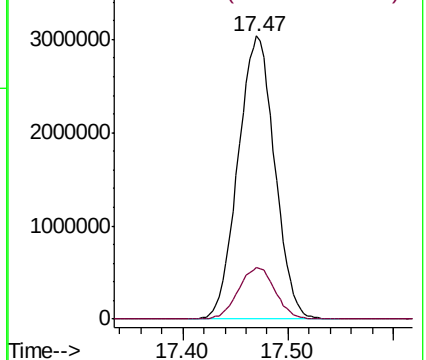
105 100

134 18.2 14.6 21.8



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: 10.795 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

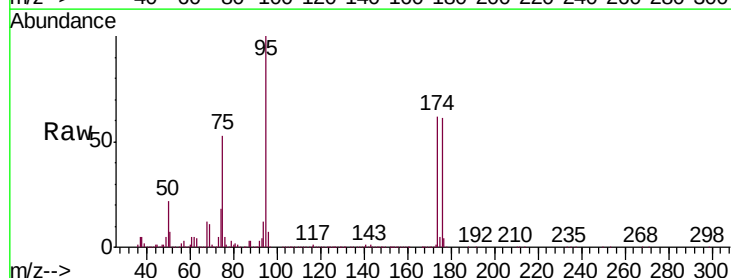
Tgt Ion: 95 Resp: 3201727

Ion Ratio Lower Upper

95 100

174 63.6 50.7 76.1

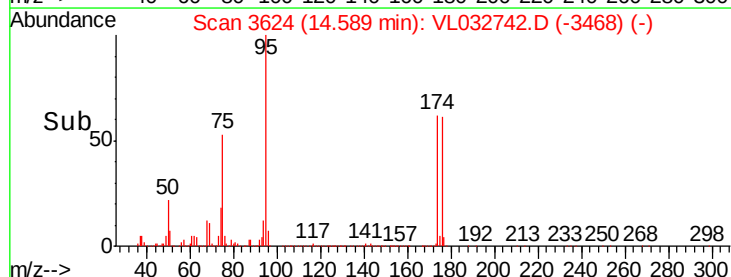
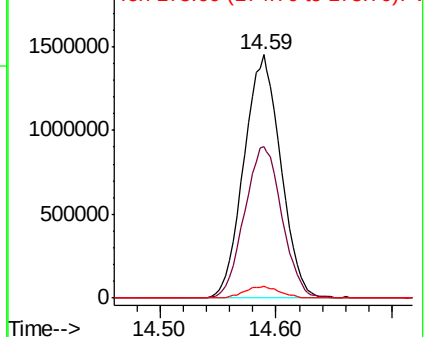
175 4.7 3.8 5.6

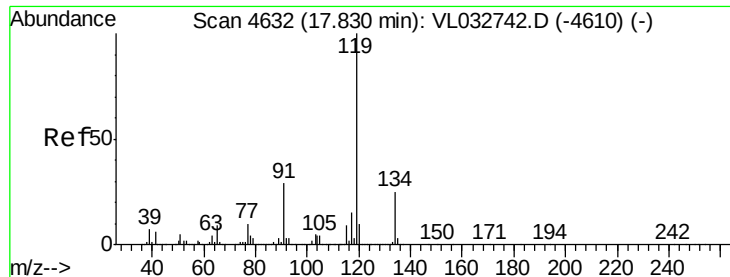


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

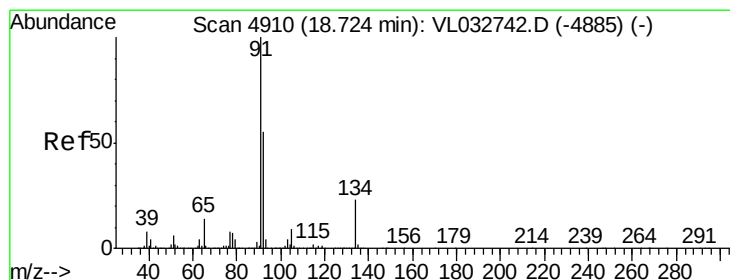
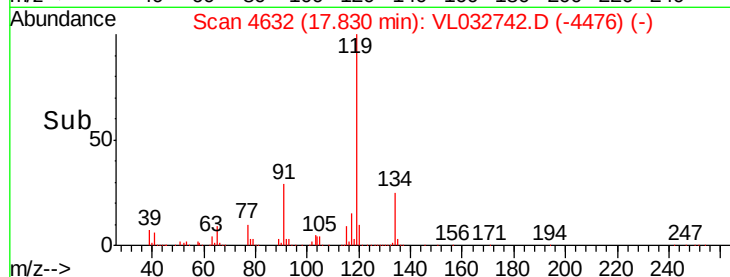
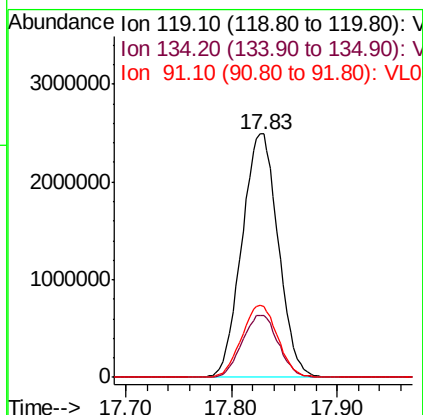
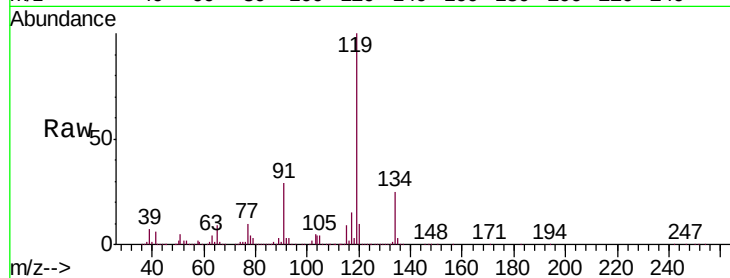




#69
 p-Isopropyltoluene
 Concen: 10.896 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

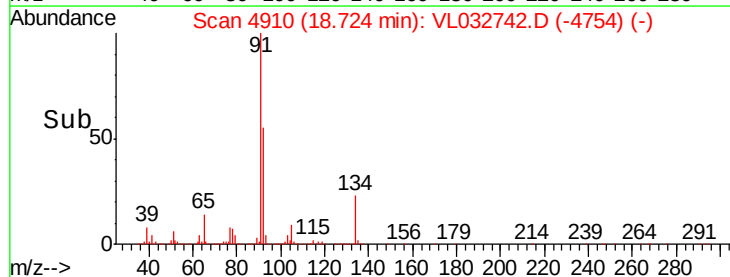
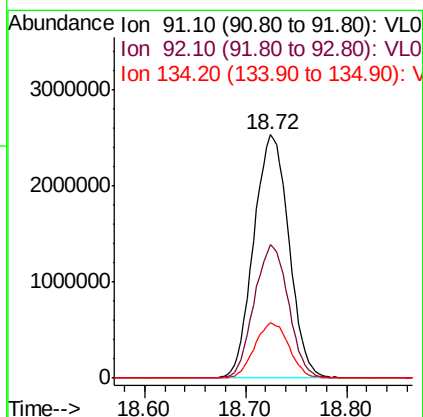
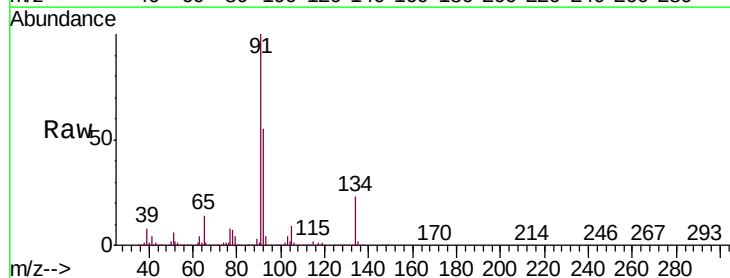
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

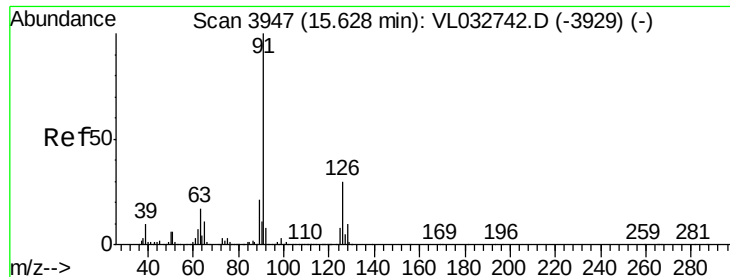
Tgt Ion: 119 Resp: 5972166
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.2 30.4
 91 29.4 23.5 35.3



#70
 n-Butylbenzene
 Concen: 10.873 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion: 91 Resp: 6112511
 Ion Ratio Lower Upper
 91 100
 92 53.6 42.9 64.3
 134 22.3 17.8 26.8





#71

2-Chlorotoluene

Concen: 11.102 ppbv

RT: 15.63 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

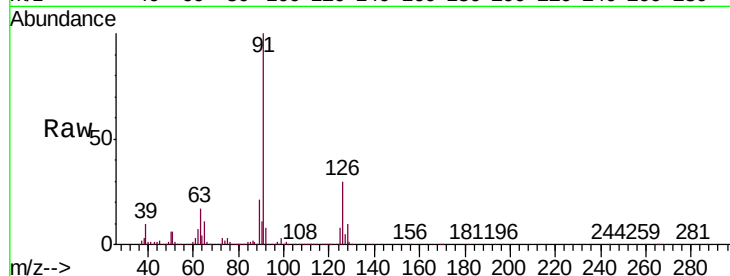
VSTDICCC010

Tgt Ion: 91 Resp: 4496700

Ion Ratio Lower Upper

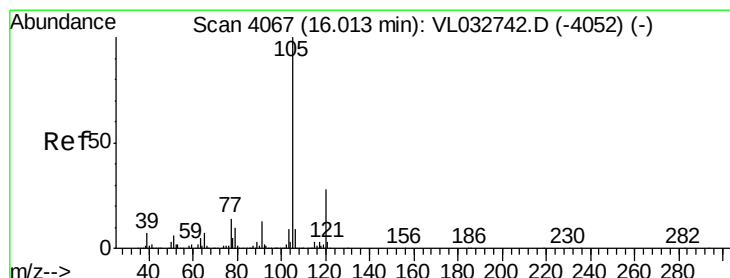
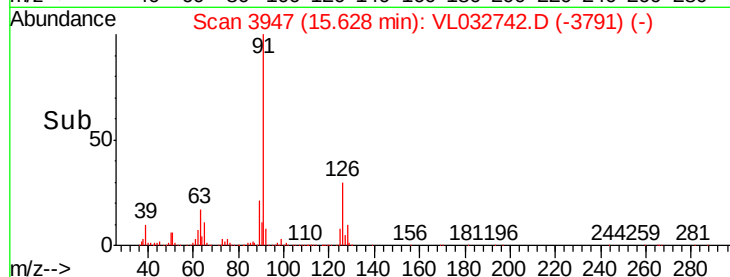
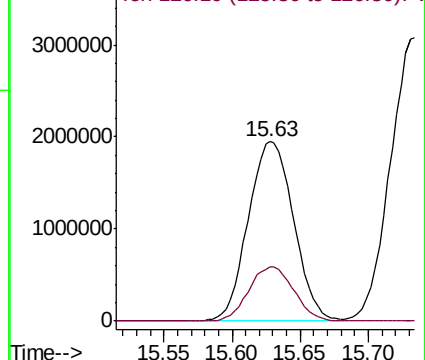
91 100

126 30.3 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.345 ppbv

RT: 16.01 min Scan# 4067

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Tgt Ion: 105 Resp: 4875456

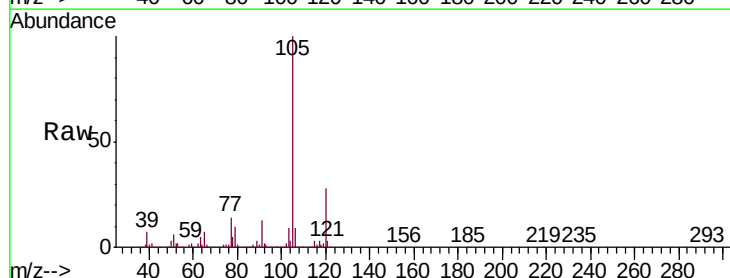
Ion Ratio Lower Upper

105 100

120 28.7 22.9 34.3

91 13.3 10.6 15.8

77 14.3 11.4 17.2

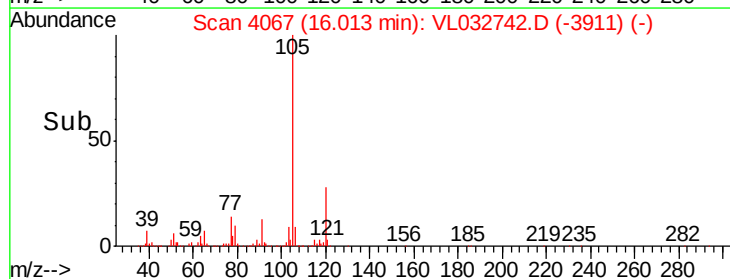
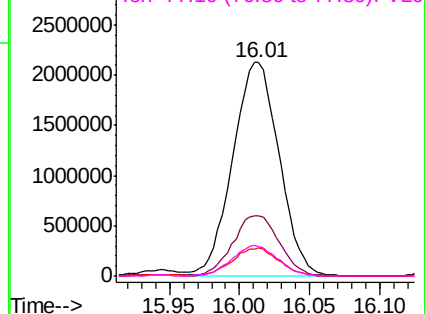


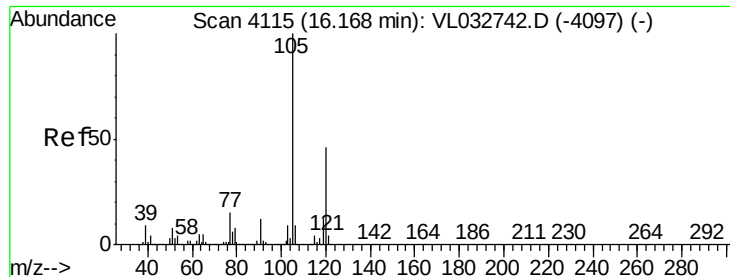
Abundance Ion 105.10 (104.80 to 105.80): V

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: 11.084 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

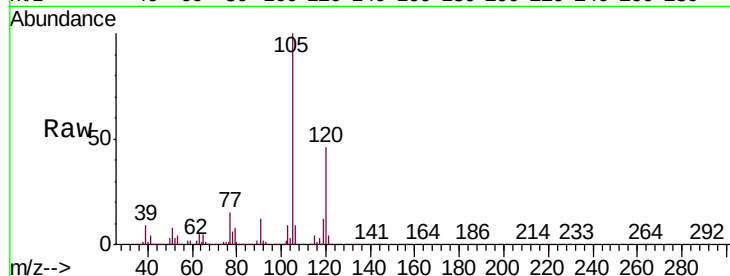
VSTDICCC010

Tgt Ion:105 Resp: 4642938

Ion Ratio Lower Upper

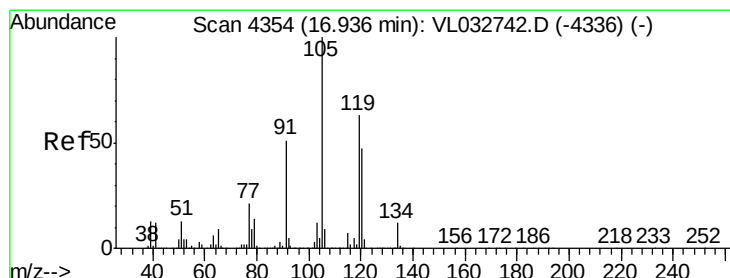
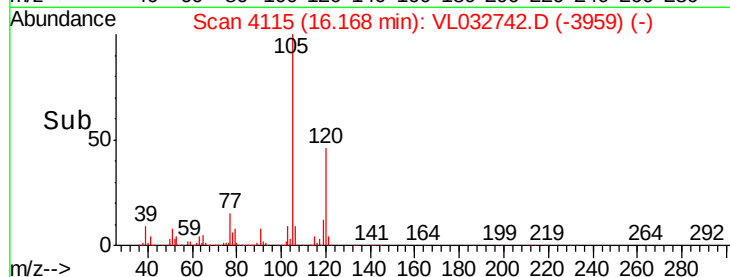
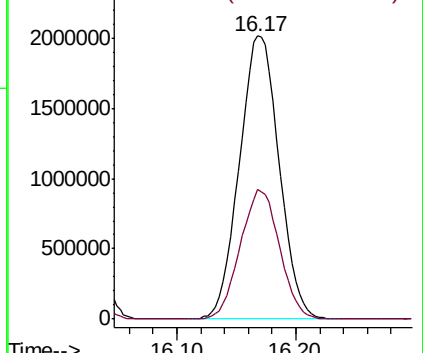
105 100

120 45.8 36.6 55.0



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: 10.556 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Tgt Ion:105 Resp: 4715642

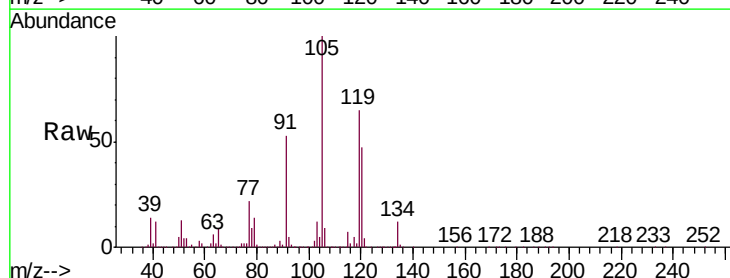
Ion Ratio Lower Upper

105 100

120 47.0 37.6 56.4

91 53.1 42.5 63.7

77 21.8 17.4 26.2

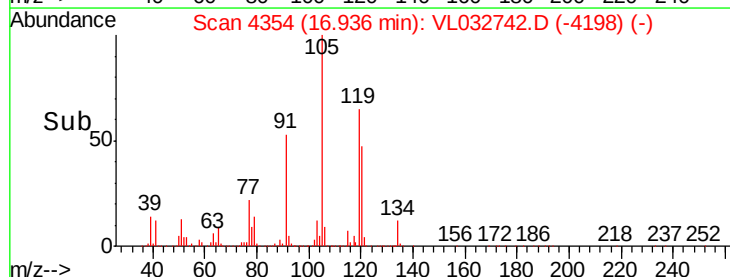
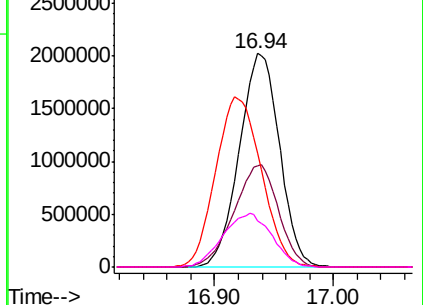


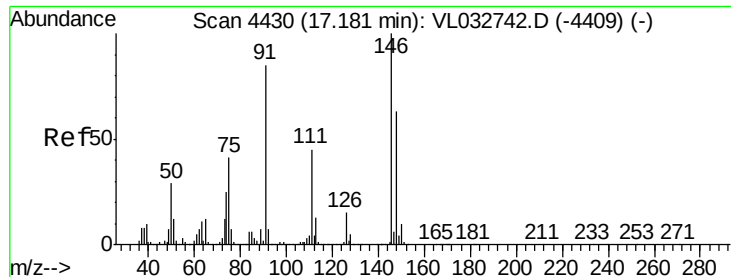
Abundance Ion 105.10 (104.80 to 105.80): V

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

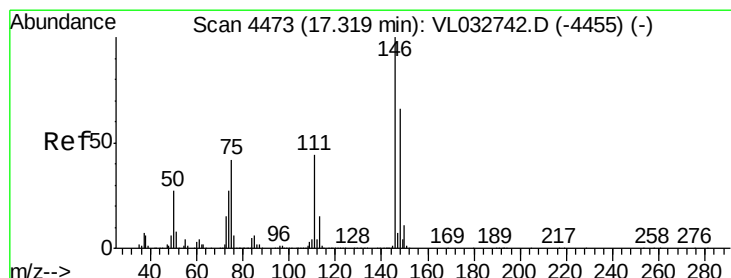
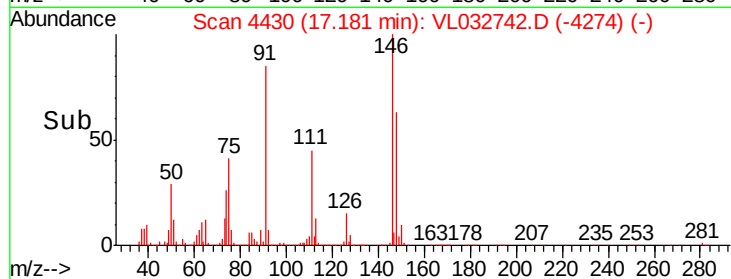
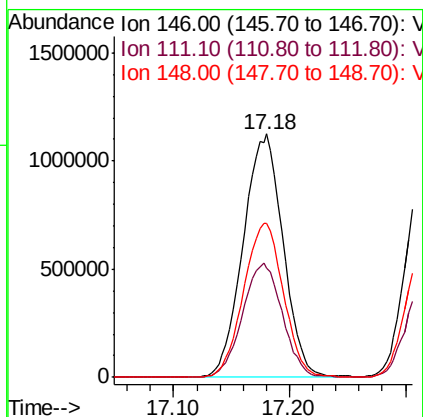
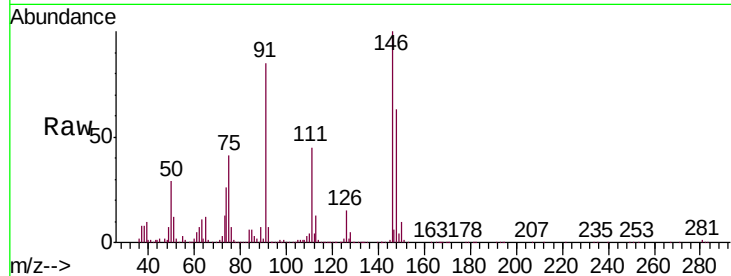




#75
 1,3-Dichlorobenzene
 Concen: 10.435 ppbv
 RT: 17.18 min Scan# 4430
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

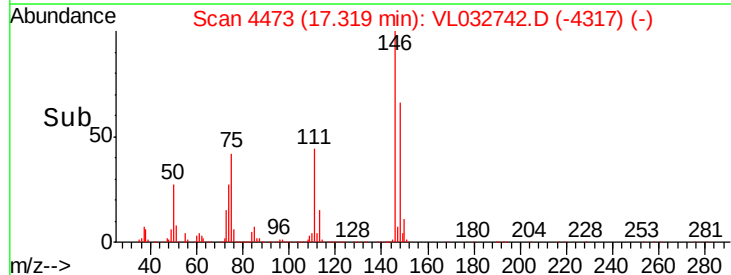
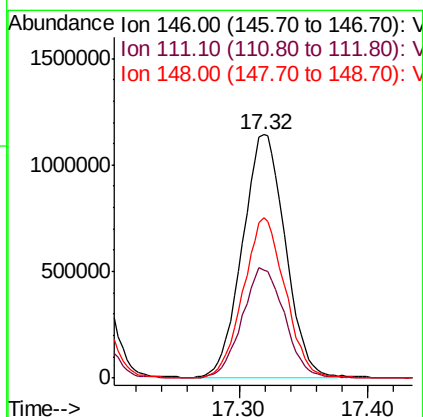
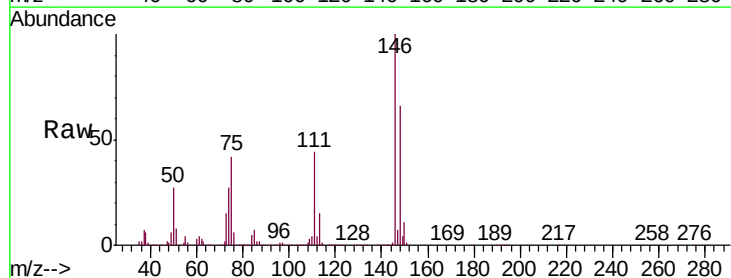
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

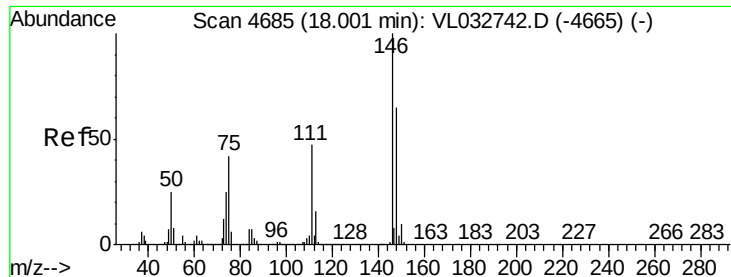
Tgt Ion:146 Resp: 2685422
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.5 70.6
 148 63.5 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 11.072 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion:146 Resp: 2634744
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.5 67.5
 148 65.0 32.5 97.5

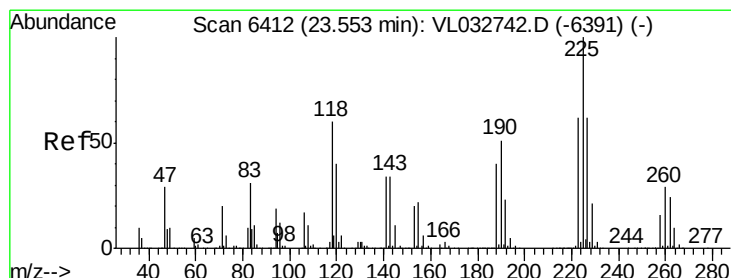
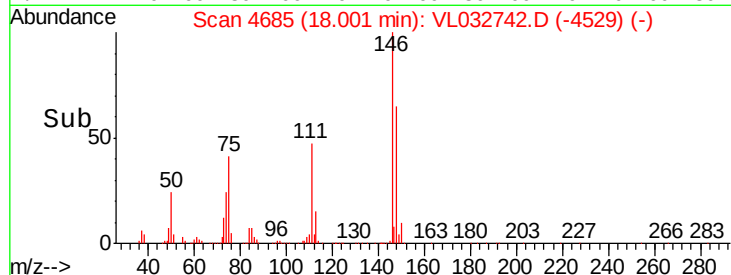
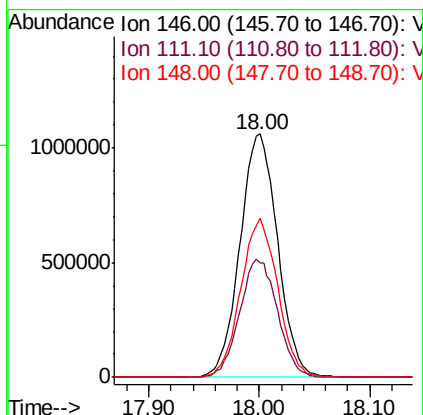
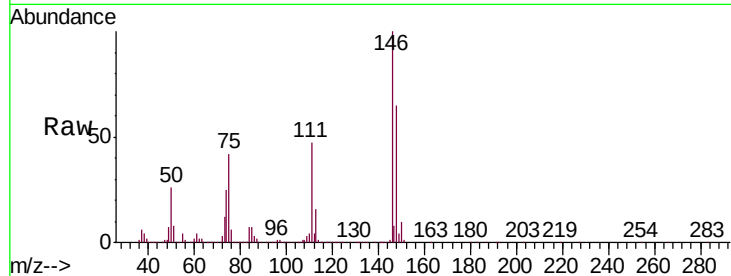




#77
 1,2-Dichlorobenzene
 Concen: 10.334 ppbv
 RT: 18.00 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

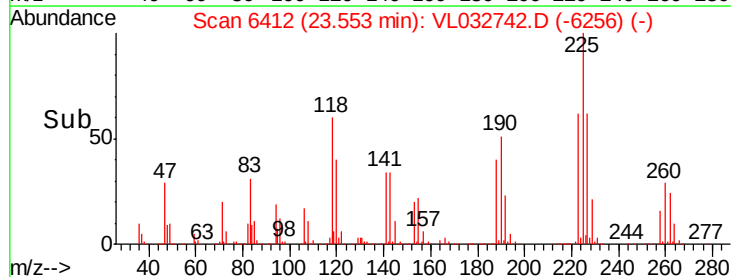
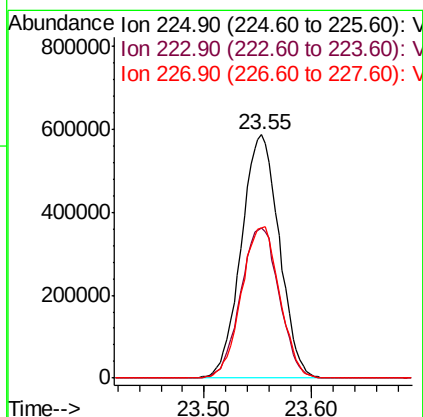
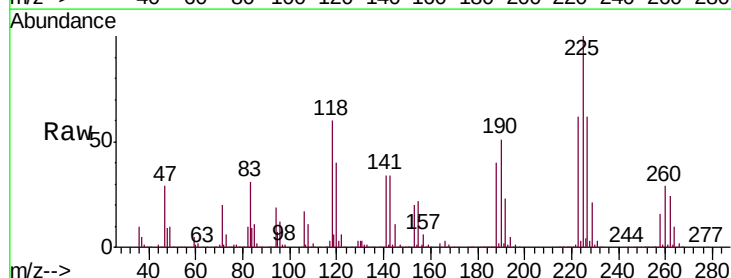
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

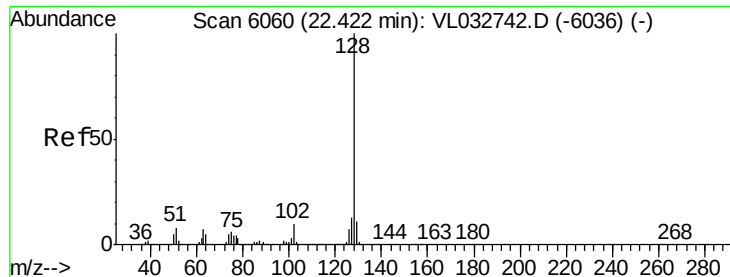
Tgt Ion:146 Resp: 2508951
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.4 73.2
 148 64.4 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.654 ppbv
 RT: 23.55 min Scan# 6412
 Delta R.T. 0.00 min
 Lab File: VL032742.D
 Acq: 14 Nov 2018 2:27

Tgt Ion:225 Resp: 1433785
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.3 75.5
 227 62.8 50.2 75.4





#79

Naphthalene

Concen: 13.141 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

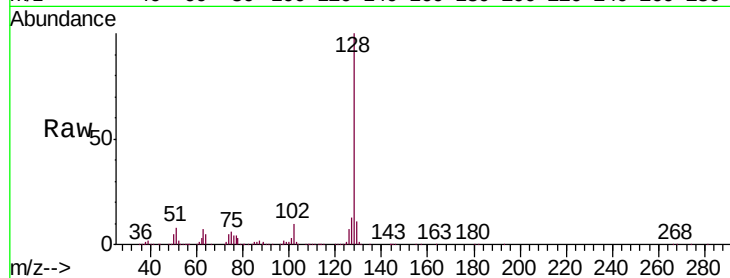
Tgt Ion:128 Resp: 3692499

Ion Ratio Lower Upper

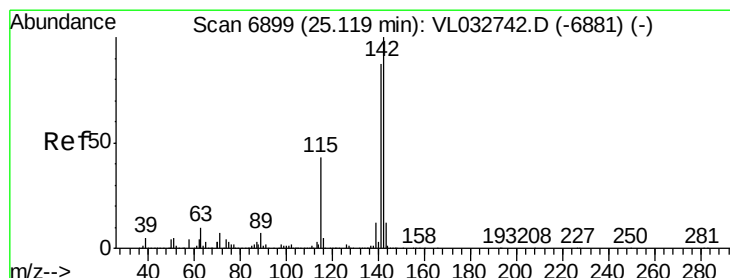
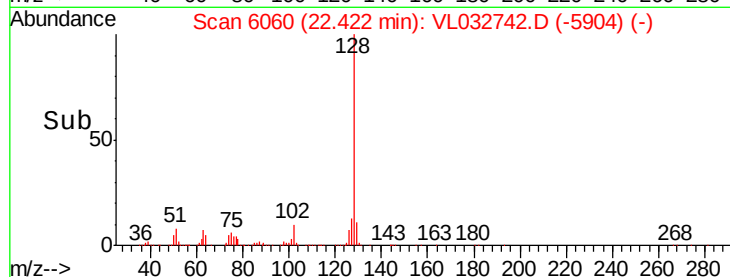
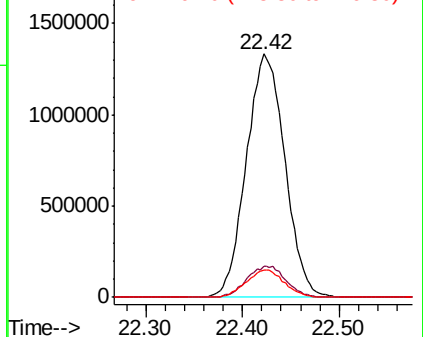
128 100

127 12.6 10.1 15.1

129 11.1 8.9 13.3



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: 18.651 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

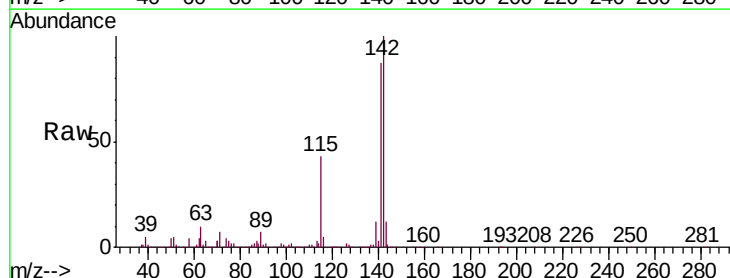
Tgt Ion:142 Resp: 1254526

Ion Ratio Lower Upper

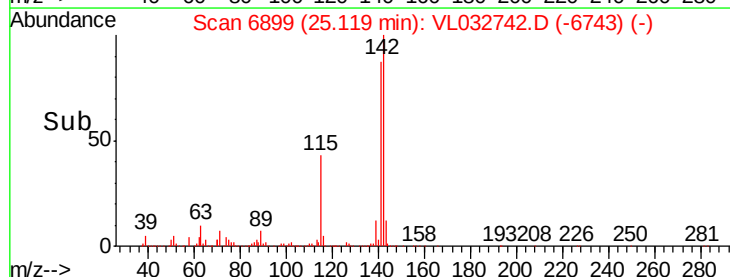
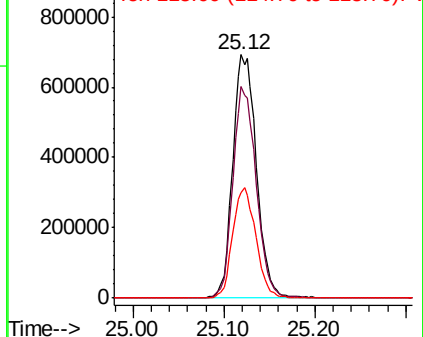
142 100

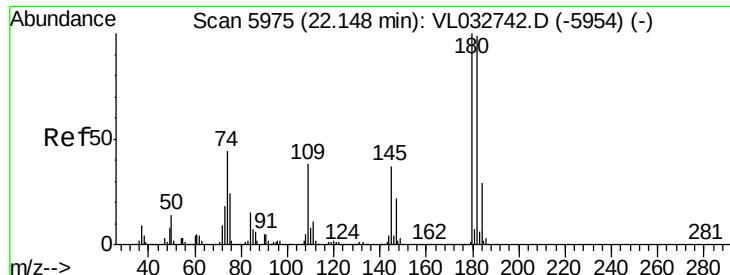
141 85.6 68.7 103.1

115 44.5 35.5 53.3



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: 12.398 ppbv

RT: 22.15 min Scan# 5975

Delta R.T. 0.00 min

Lab File: VL032742.D

Acq: 14 Nov 2018 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

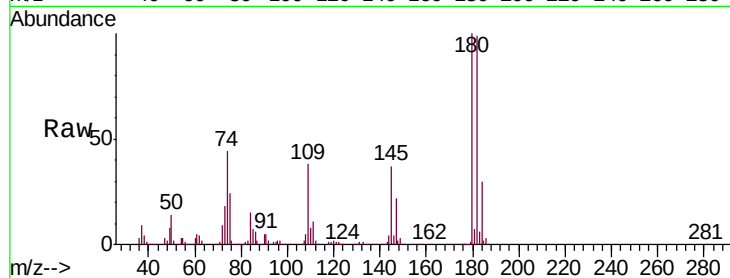
Tgt Ion:180 Resp: 1781567

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

184 30.3 24.2 36.4



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

