

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025422.D
 Acq On : 22 Jun 2018 19:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

Quant Time: Jun 22 22:40:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	558802	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	473917	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	195410	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	85476	4.49	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	2.65	69	64647	4.62	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	3.65	63	239544	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	6.60	46	303242	59.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.88%
24) Chloroform-d	7.21	84	399745	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
26) 1,2-Dichloroethane-d4	7.89	65	157654	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
32) Benzene-d6	7.86	84	824826	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	8.90	67	242390	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	9.97	98	744276	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	10.24	79	52179	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	10.59	63	273999	64.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.96%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	120835	6.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	136.00%#
64) 1,2-Dichlorobenzene-d4	13.51	152	169875	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	170648	4.724	ug/L 100
3) Chloromethane	2.02	50	105974	4.053	ug/L 98
5) Vinyl chloride	2.17	62	99828	4.314	ug/L 93
6) Bromomethane	2.53	94	38858	3.445	ug/L 97
8) Chloroethane	2.67	64	51161	4.235	ug/L 99
9) Trichlorofluoromethane	3.00	101	176911	5.234	ug/L # 44
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	98355	4.961	ug/L 99
12) 1,1-Dichloroethene	3.66	96	98551	5.017	ug/L 97
13) Acetone	3.71	43	132368	57.448	ug/L 99
14) Carbon disulfide	3.96	76	153655	3.718	ug/L # 94
15) Methyl Acetate	4.20	43	28139	4.857	ug/L 92
16) Methylene chloride	4.41	84	50505	2.826	ug/L 97
17) Methyl tert-butyl Ether	4.90	73	296678	5.067	ug/L 98
18) trans-1,2-Dichloroethene	4.89	96	210565	5.215	ug/L 92
19) 1,1-Dichloroethane	5.70	63	406022	5.352	ug/L 96
21) 2-Butanone	6.69	43	339091	62.263	ug/L 100
22) cis-1,2-Dichloroethene	6.68	96	234362	5.562	ug/L # 94

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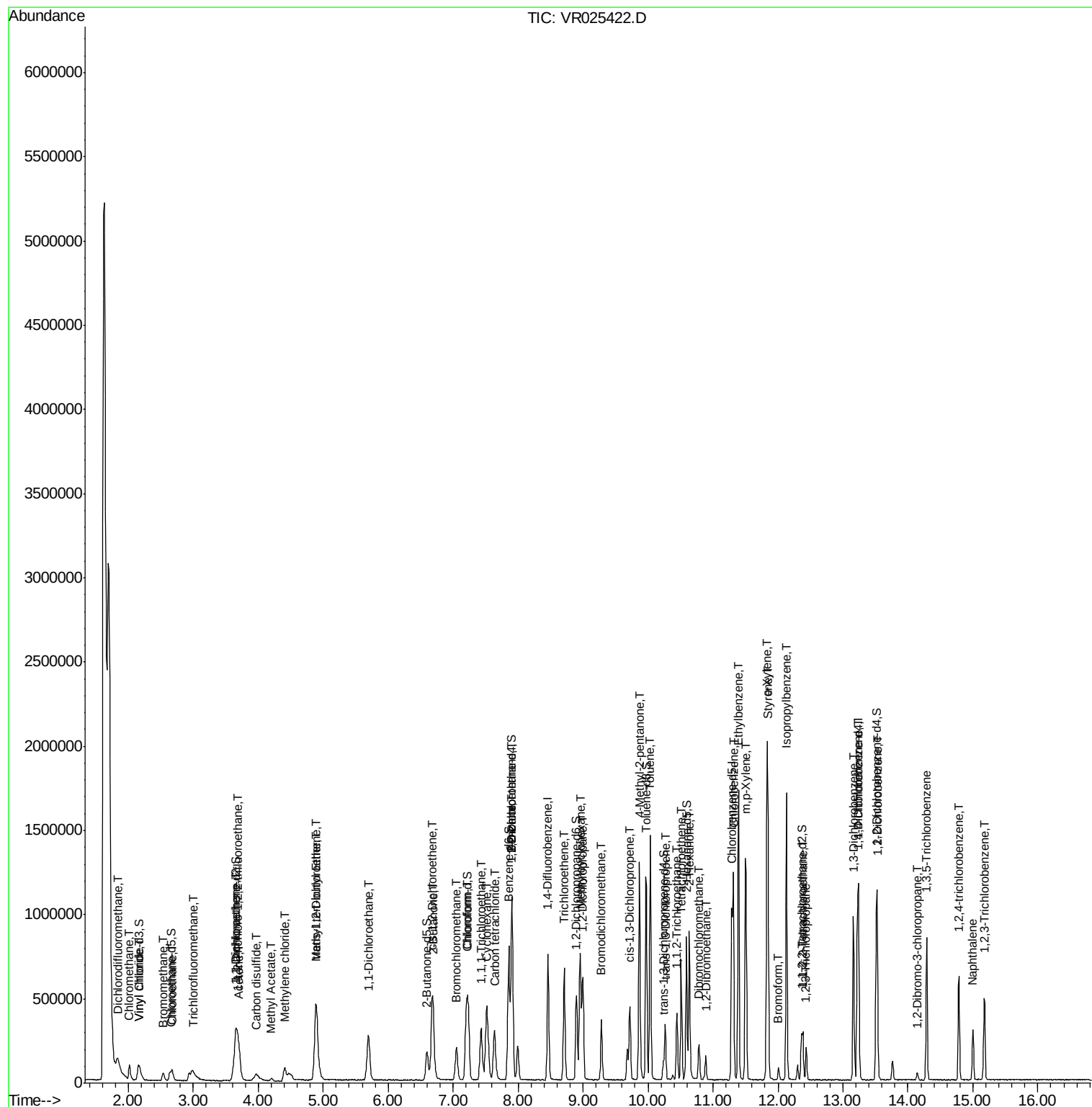
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	67414	5.463	ug/L	96
25) Chloroform	7.23	83	398342	5.744	ug/L	100
27) 1,2-Dichloroethane	7.91	62	6846	0.216	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	255527	4.539	ug/L	99
30) Cyclohexane	7.52	56	293187	4.080	ug/L	99
31) Carbon tetrachloride	7.64	117	234644	4.748	ug/L	98
33) Benzene	7.91	78	952602	5.119	ug/L	100
34) Trichloroethene	8.71	95	232717	5.169	ug/L	97
35) Methylcyclohexane	8.96	83	313955	4.420	ug/L	97
37) 1,2-Dichloropropane	8.99	63	229138	5.539	ug/L	100
38) Bromodichloromethane	9.28	83	212944	5.308	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	231924	4.761	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	808760	60.421	ug/L	97
42) Toluene	10.03	91	953315	4.781	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	162387	4.846	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	108153	5.632	ug/L	93
47) Tetrachloroethene	10.51	164	146180	4.864	ug/L	93
48) 2-Hexanone	10.64	43	532904	62.455	ug/L	96
49) Dibromochloromethane	10.78	129	100078	5.413	ug/L	97
50) 1,2-Dibromoethane	10.89	107	87889	5.709	ug/L #	96
51) Chlorobenzene	11.31	112	551644	5.166	ug/L	97
52) Ethylbenzene	11.39	91	1060703	5.362	ug/L	99
53) m,p-Xylene	11.50	106	397454	5.263	ug/L	93
54) o-Xylene	11.83	106	365642	5.417	ug/L	100
55) Styrene	11.85	104	608421	5.865	ug/L	90
56) Isopropylbenzene	12.13	105	980615	5.404	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	113991	6.410	ug/L	99
59) 1,2,3-Trichloropropane	12.44	75	77998	6.077	ug/L	97
61) Bromoform	12.01	173	29584	4.245	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	326640	4.763	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	358692	5.231	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	293650	5.343	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	10125	4.663	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	218972	4.821	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	153838	4.865	ug/L	100
69) Naphthalene	15.00	128	206621	5.021	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	129324	5.285	ug/L	98

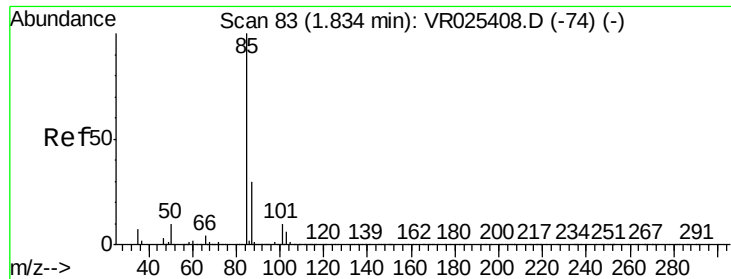
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.724 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

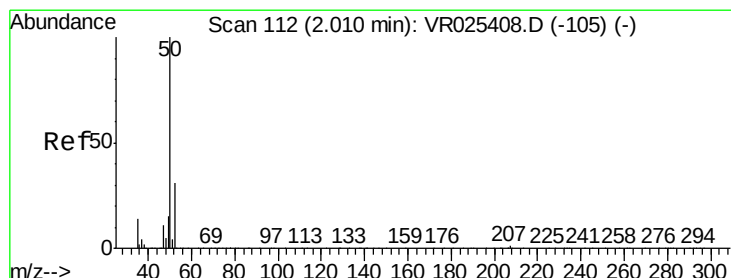
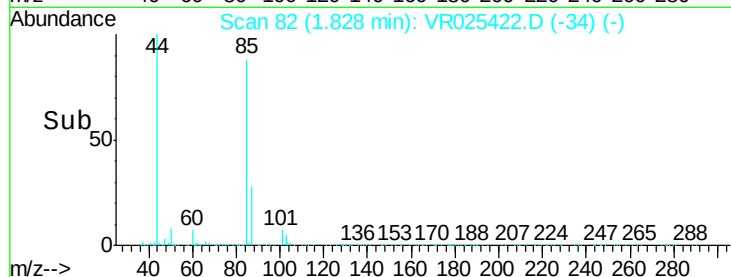
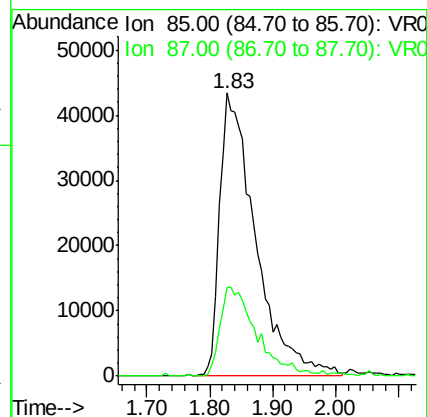
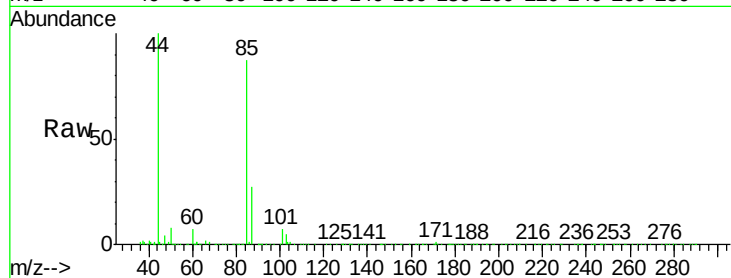
VSTD00596

Tgt Ion: 85 Resp: 170648

Ion Ratio Lower Upper

85 100

87 31.7 25.4 38.0



#3

Chloromethane

Concen: 4.053 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025422.D

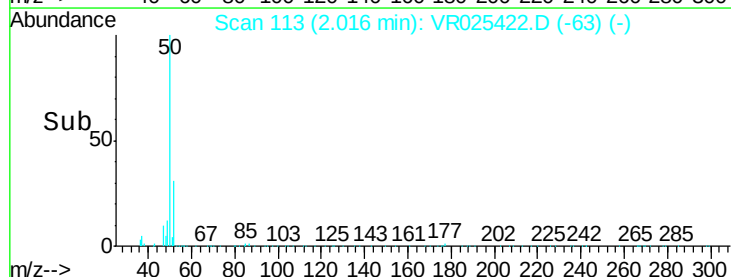
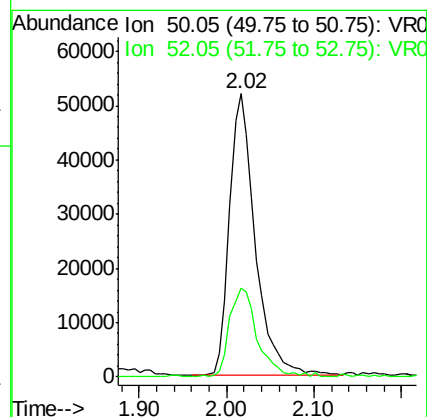
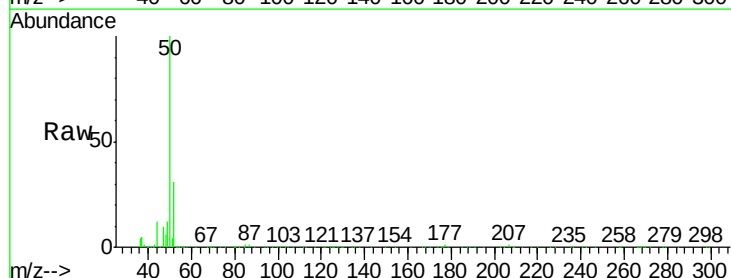
Acq: 22 Jun 2018 19:45

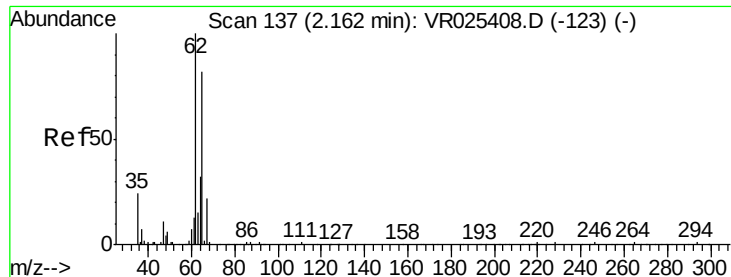
Tgt Ion: 50 Resp: 105974

Ion Ratio Lower Upper

50 100

52 31.3 22.8 42.4





#5

Vinyl chloride

Concen: 4.314 ug/L

RT: 2.17 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

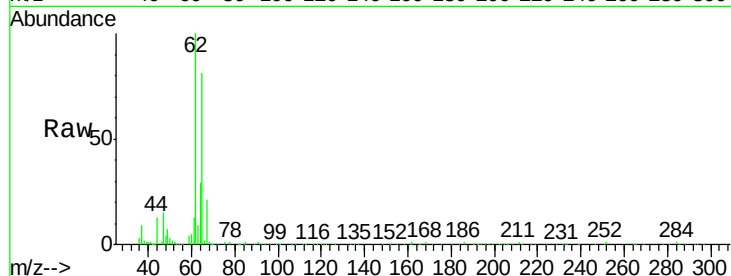
VSTD00596

Tgt Ion: 62 Resp: 99828

Ion Ratio Lower Upper

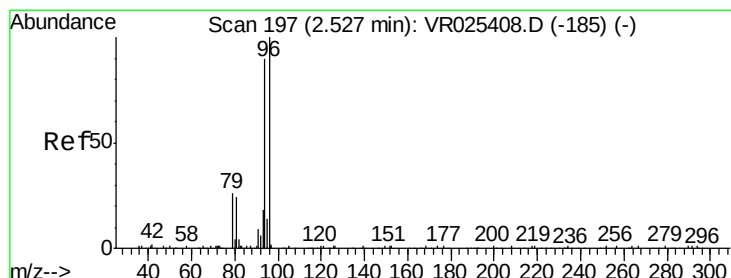
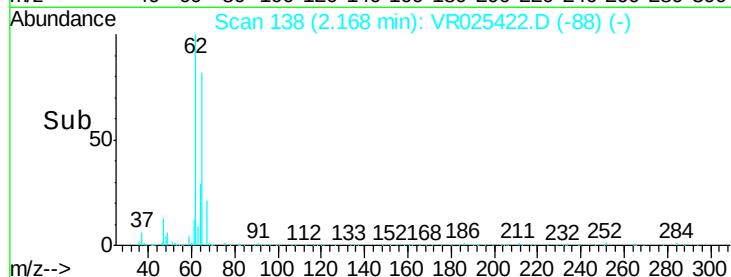
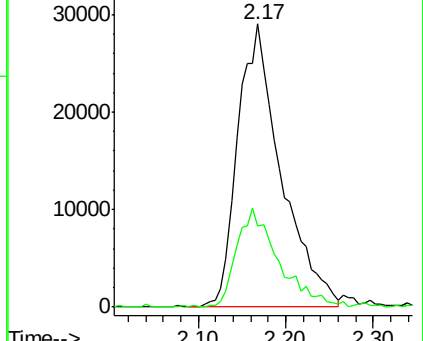
62 100

64 28.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 3.445 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025422.D

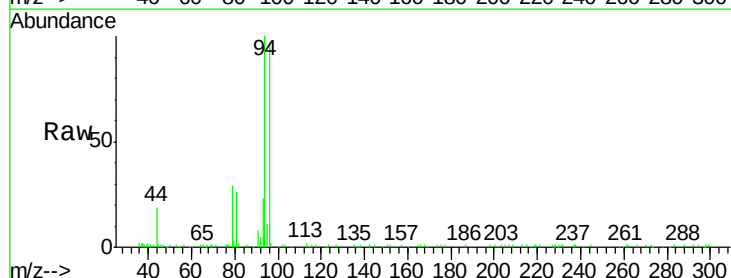
Acq: 22 Jun 2018 19:45

Tgt Ion: 94 Resp: 38858

Ion Ratio Lower Upper

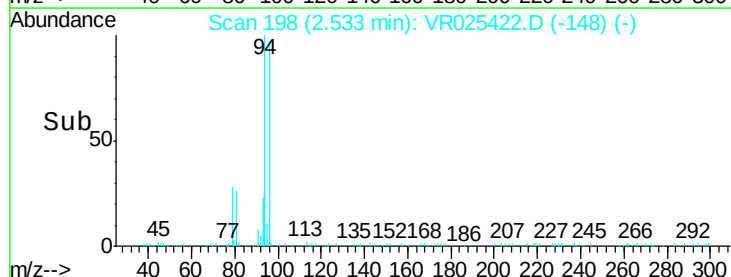
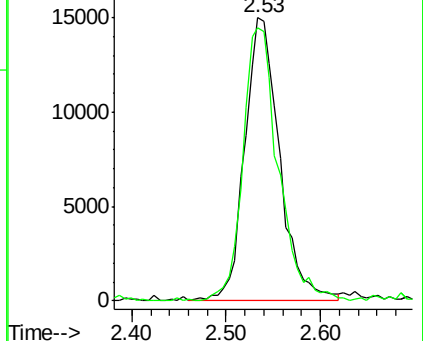
94 100

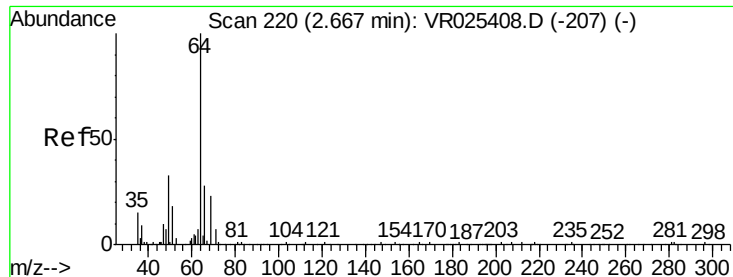
96 96.6 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

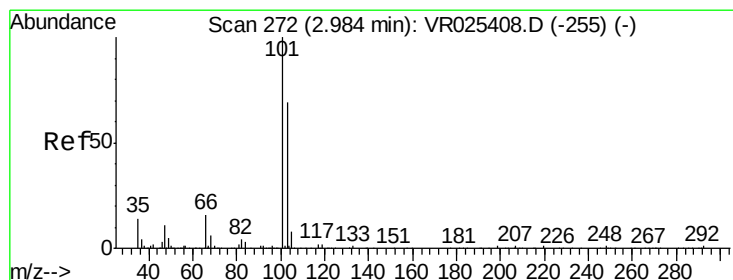
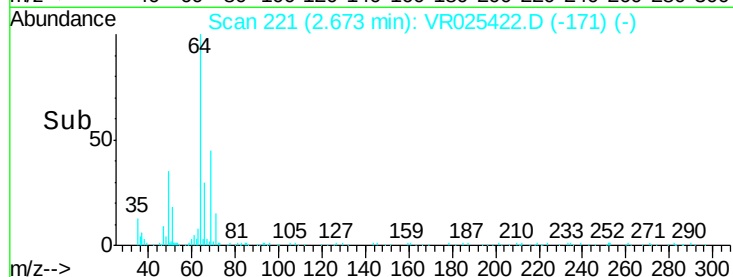
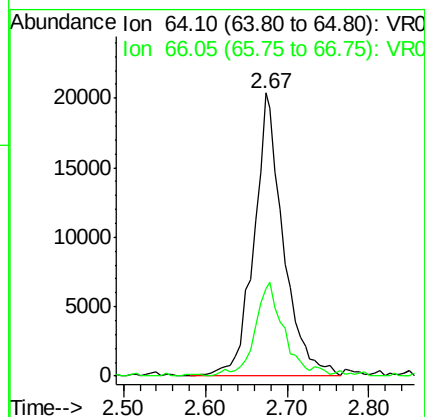
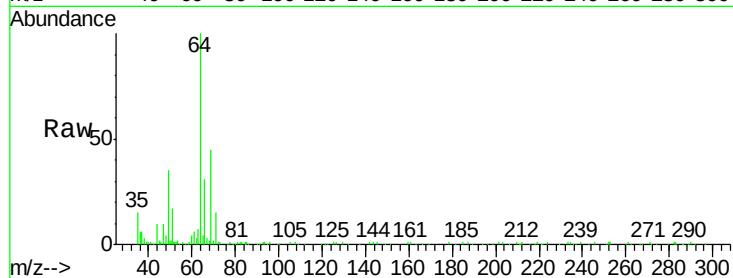




#8
Chloroethane
Concen: 4.235 ug/L
RT: 2.67 min Scan# 221
Delta R.T. 0.01 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

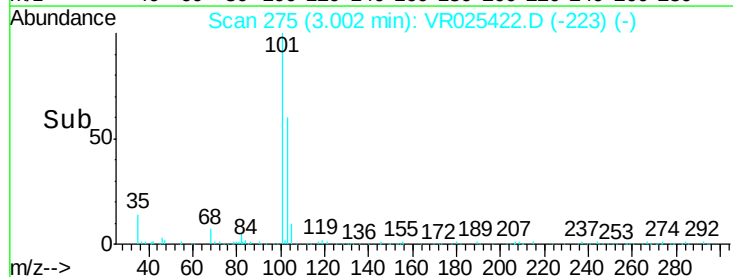
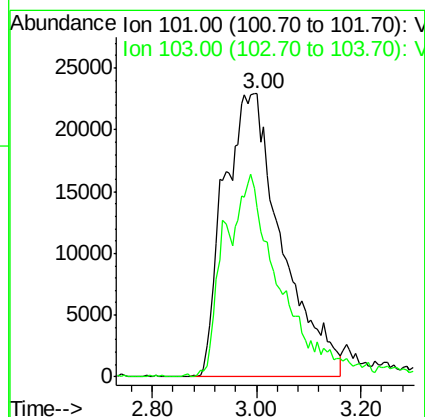
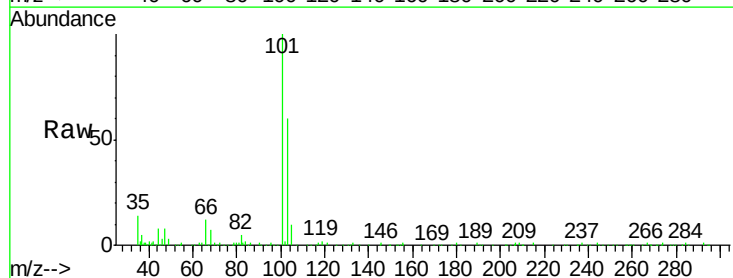
Instrument :
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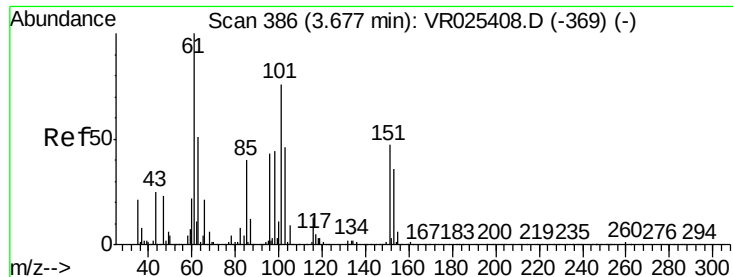
Tgt Ion: 64 Resp: 51161
Ion Ratio Lower Upper
64 100
66 30.7 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.234 ug/L
RT: 3.00 min Scan# 275
Delta R.T. 0.02 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

Tgt Ion: 101 Resp: 176911
Ion Ratio Lower Upper
101 100
103 36.4 11.0 16.4#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.961 ug/L

RT: 3.70 min Scan# 389

Delta R.T. 0.02 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

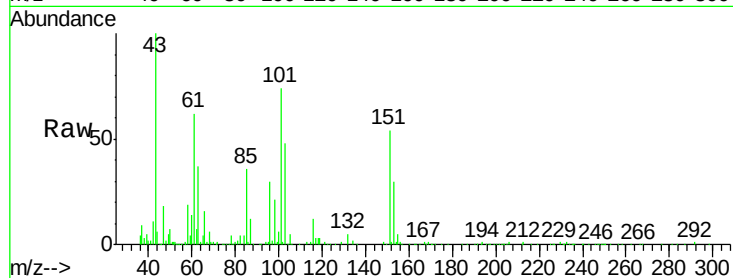
Tgt Ion:101 Resp: 98355

Ion Ratio Lower Upper

101 100

85 47.7 39.1 58.7

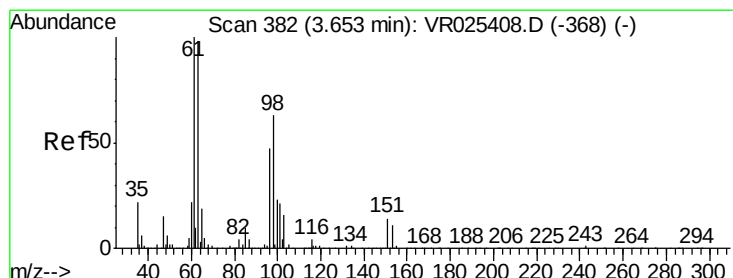
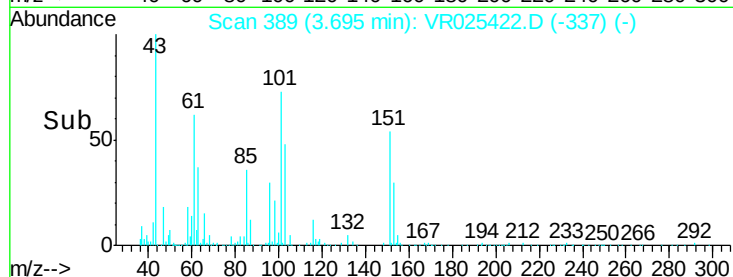
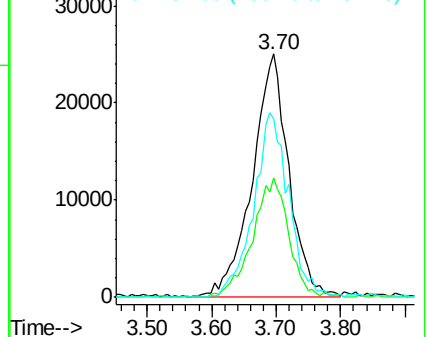
151 72.5 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.017 ug/L

RT: 3.66 min Scan# 384

Delta R.T. 0.01 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

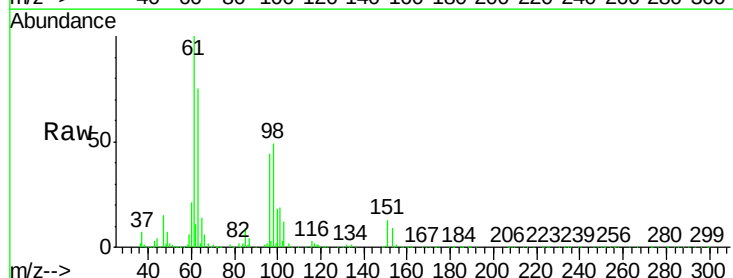
Tgt Ion: 96 Resp: 98551

Ion Ratio Lower Upper

96 100

61 225.0 155.0 287.9

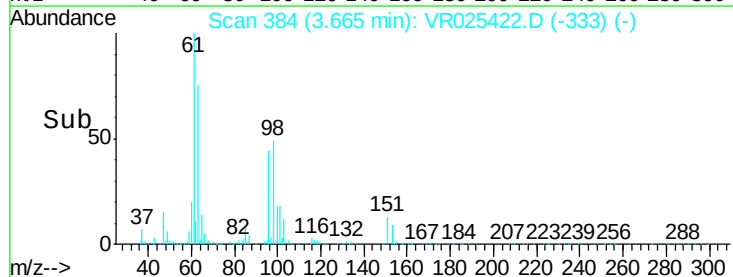
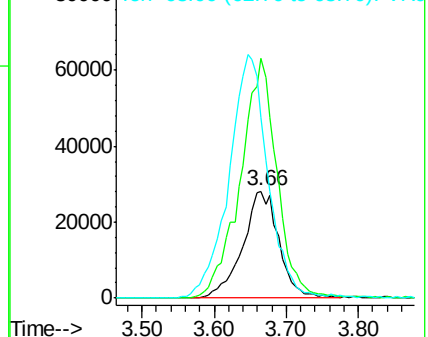
63 169.6 122.3 227.1

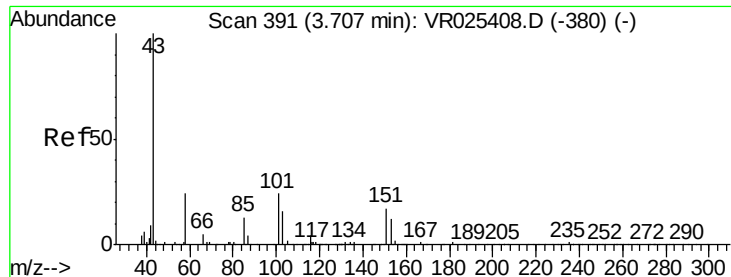


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 57.448 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.00 min

Lab File: VR025422.D

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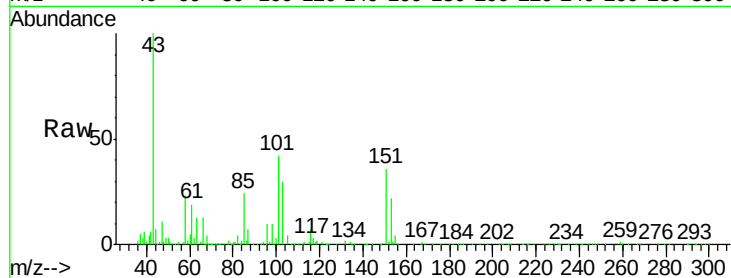
VSTD00596

Tgt Ion: 43 Resp: 132368

Ion Ratio Lower Upper

43 100

58 20.2 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.71

40000

30000

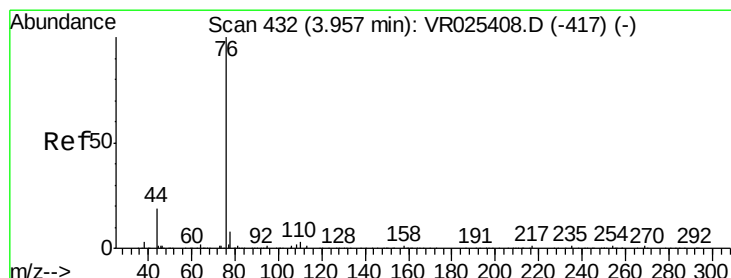
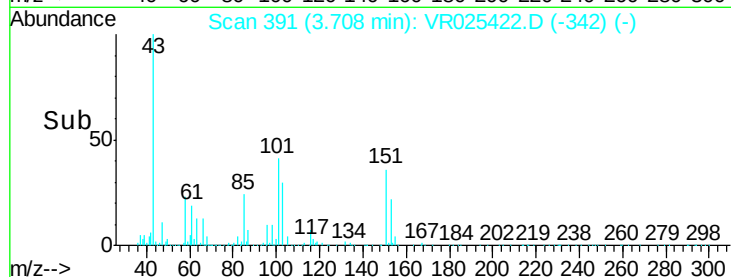
20000

10000

0

Time-->

3.60 3.70 3.80



#14

Carbon disulfide

Concen: 3.718 ug/L

RT: 3.96 min Scan# 433

Delta R.T. 0.01 min

Lab File: VR025422.D

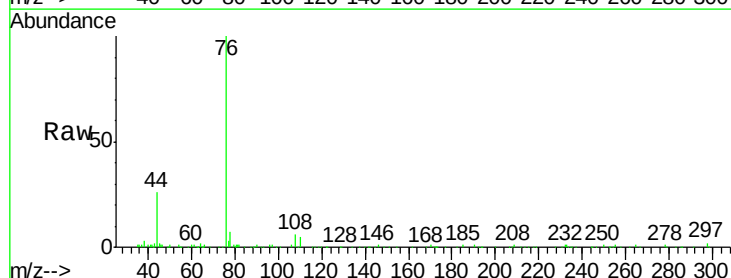
Acq: 22 Jun 2018 19:45

Tgt Ion: 76 Resp: 153655

Ion Ratio Lower Upper

76 100

78 7.0 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

3.96

30000

25000

20000

15000

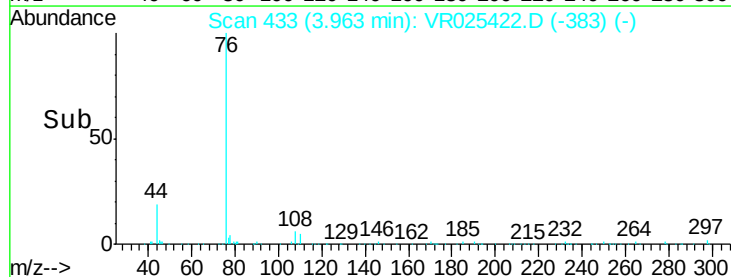
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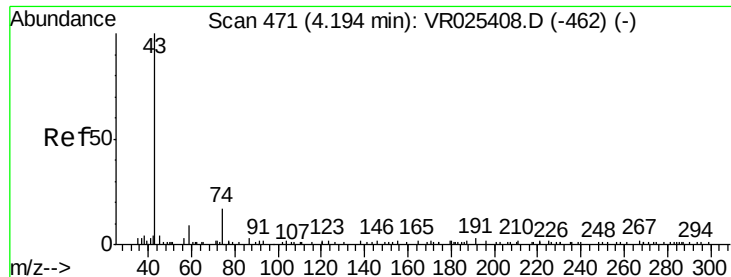
5000

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Time-->

3.80 4.00 4.20





#15

Methyl Acetate

Concen: 4.857 ug/L

RT: 4.20 min Scan# 472

Delta R.T. 0.01 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampled :

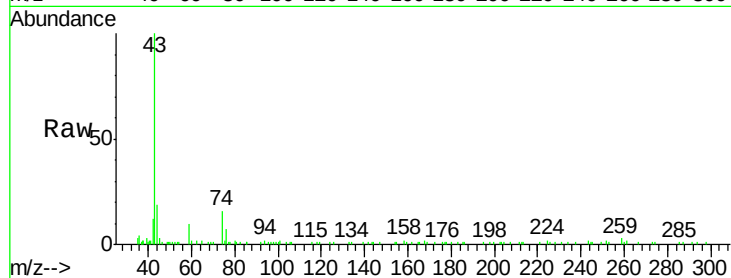
VSTD00596

Tgt Ion: 43 Resp: 28139

Ion Ratio Lower Upper

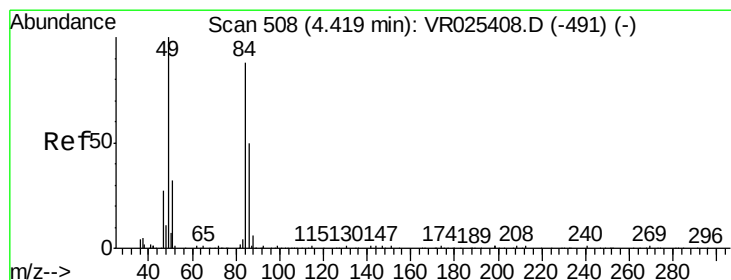
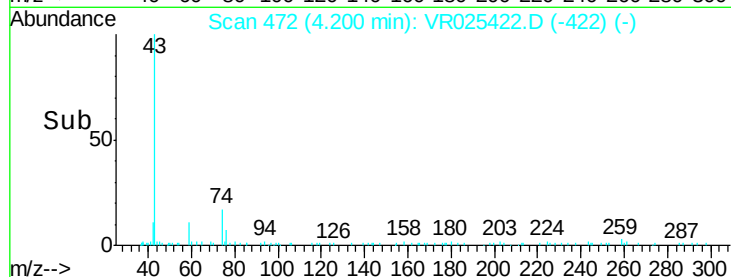
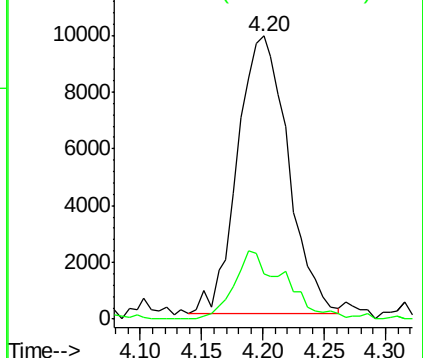
43 100

74 24.6 16.7 25.1



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 2.826 ug/L

RT: 4.41 min Scan# 507

Delta R.T. -0.01 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

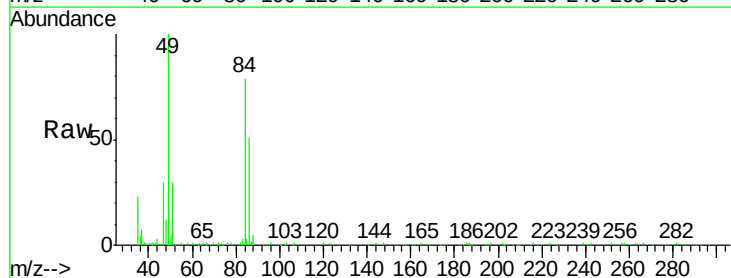
Tgt Ion: 84 Resp: 50505

Ion Ratio Lower Upper

84 100

86 64.6 43.7 81.1

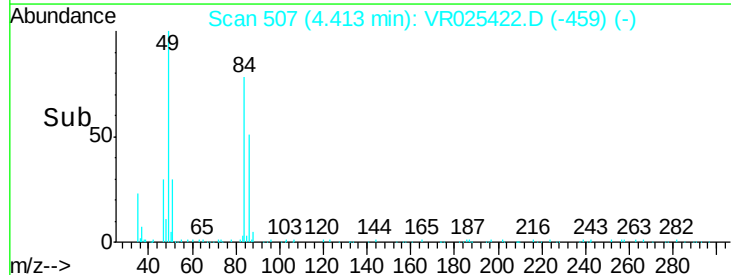
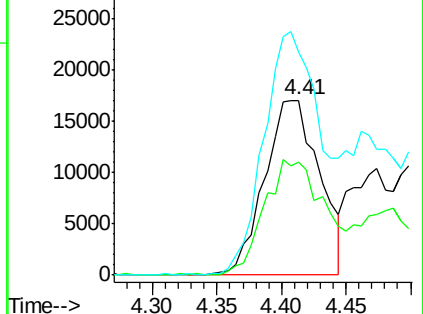
49 127.3 87.2 162.0

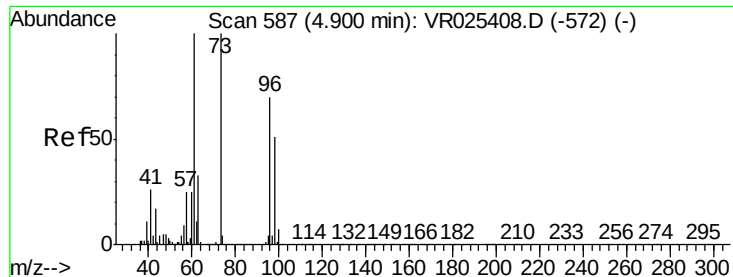


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

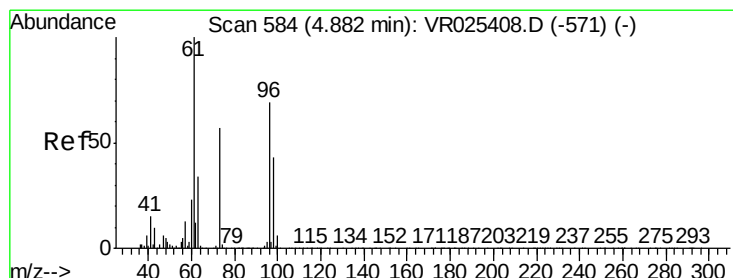
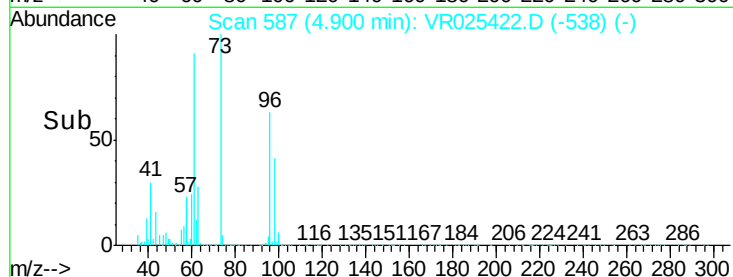
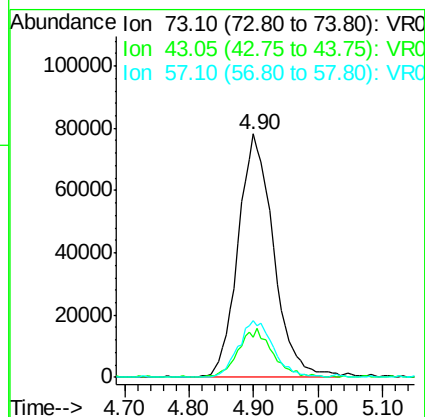
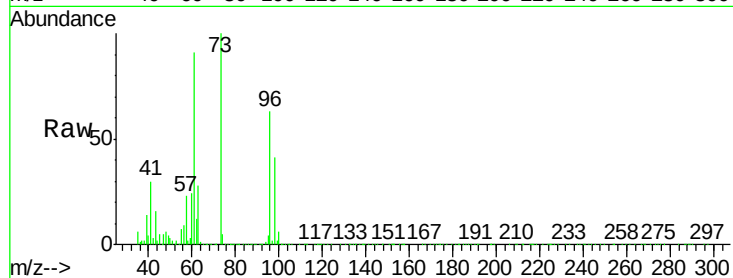




#17
Methyl tert-butyl Ether
Concen: 5.067 ug/L
RT: 4.90 min Scan# 587
Delta R.T. 0.00 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

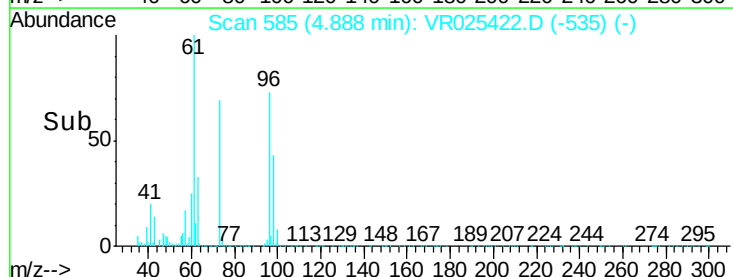
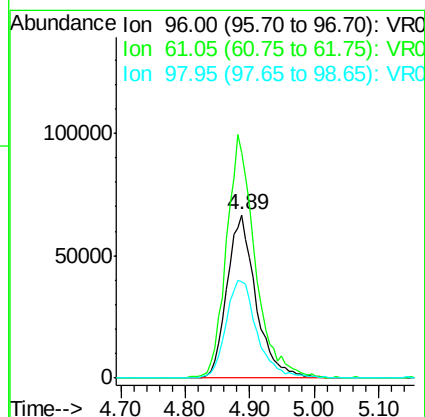
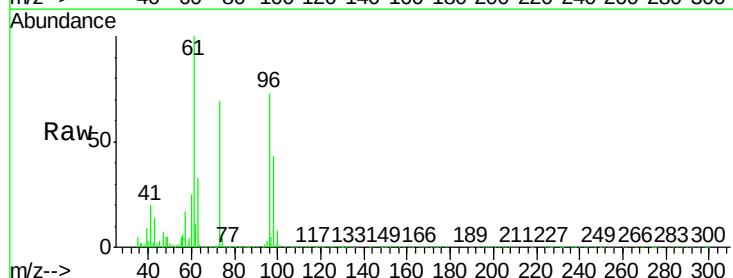
Instrument :
MSVOA_R
ClientSampled :
VSTD00596

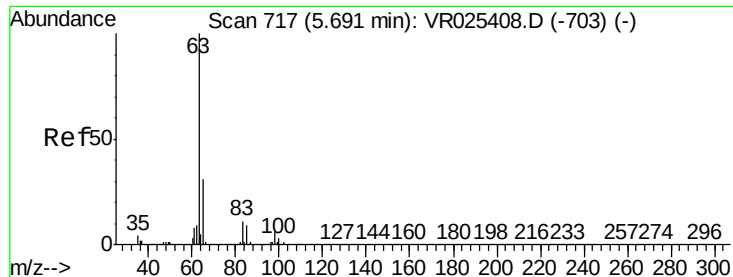
Tgt Ion: 73 Resp: 296678
Ion Ratio Lower Upper
73 100
43 19.2 15.8 23.6
57 22.8 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 5.215 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.01 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

Tgt Ion: 96 Resp: 210565
Ion Ratio Lower Upper
96 100
61 137.7 104.4 193.8
98 58.6 43.1 80.1

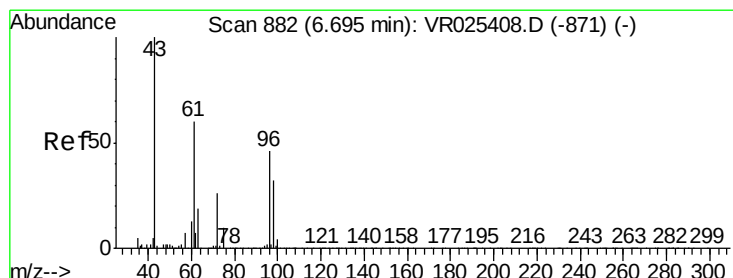
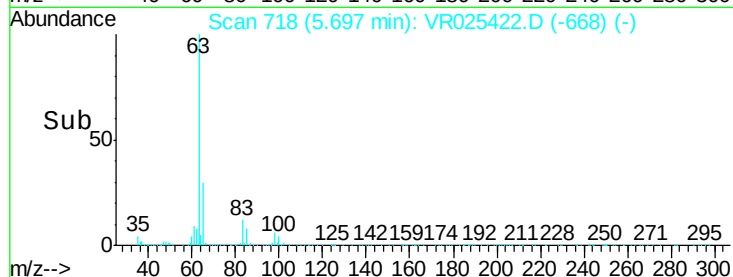
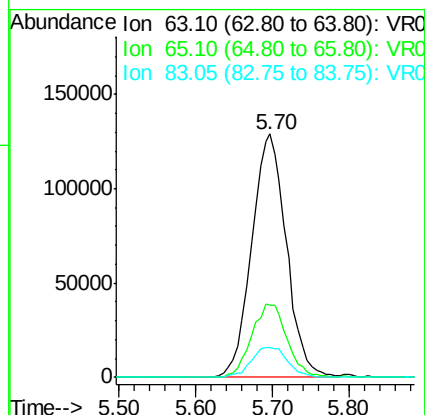
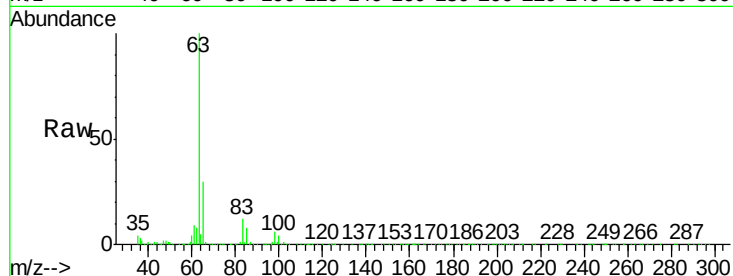




#19
 1,1-Dichloroethane
 Concen: 5.352 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

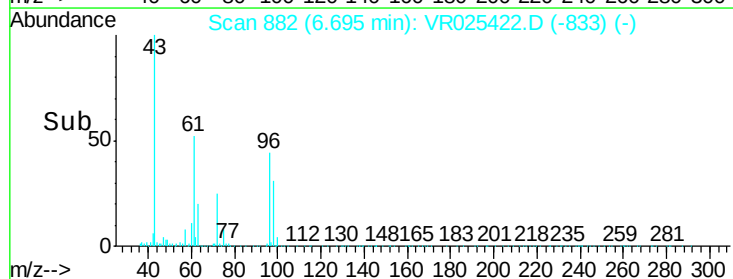
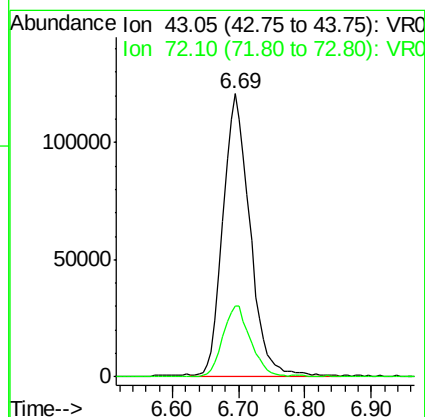
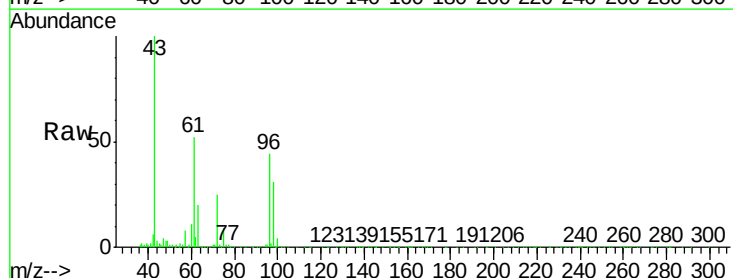
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

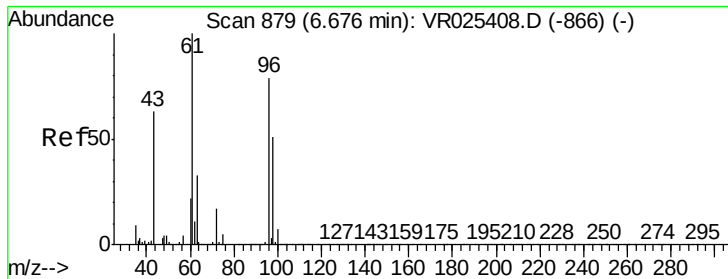
Tgt Ion:	63	Resp:	406022
Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.5	41.7
83	12.2	9.5	17.7



#21
 2-Butanone
 Concen: 62.263 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. 0.00 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Tgt Ion:	43	Resp:	339091
Ion	Ratio	Lower	Upper
43	100		
72	25.8	13.0	38.9



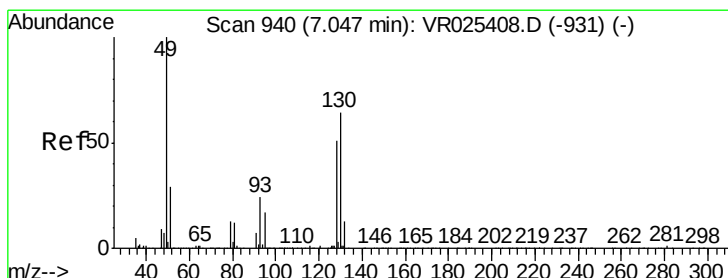
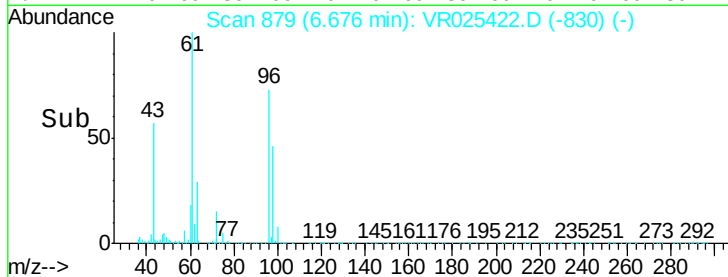
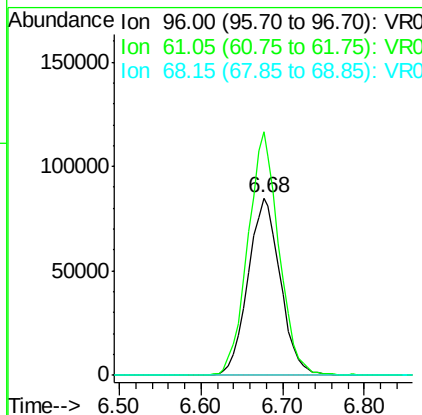
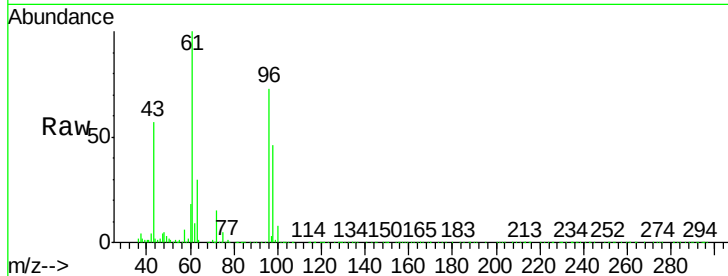


#22

cis-1,2-Dichloroethene
Concen: 5.562 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

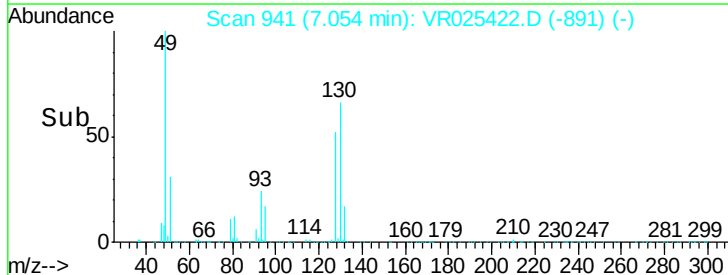
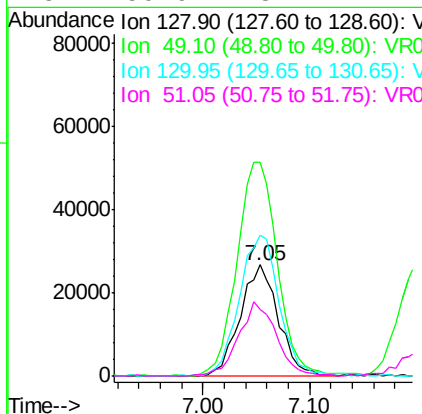
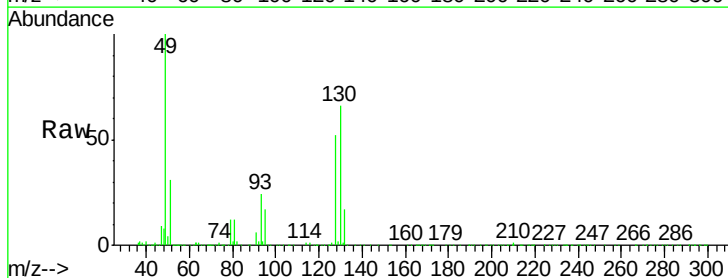
Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.1	91.0	169.0
68	0.2	0.0	0.0#

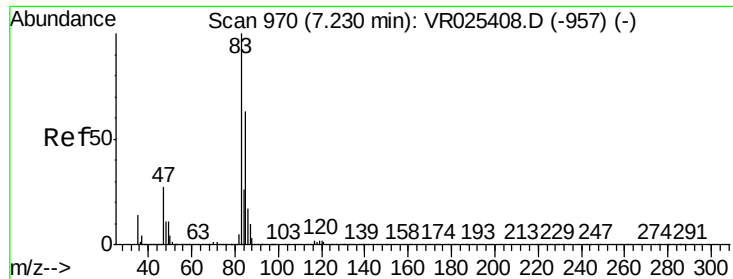


#23

Bromochloromethane
Concen: 5.463 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.01 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

Tgt Ion	Ratio	Lower	Upper
128	100		
49	192.2	128.7	238.9
130	126.5	87.2	161.9
51	59.9	48.2	72.2





#25

Chloroform

Concen: 5.744 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampled :

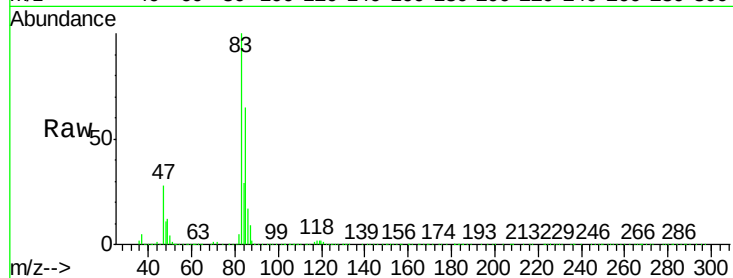
VSTD00596

Tgt Ion: 83 Resp: 398342

Ion Ratio Lower Upper

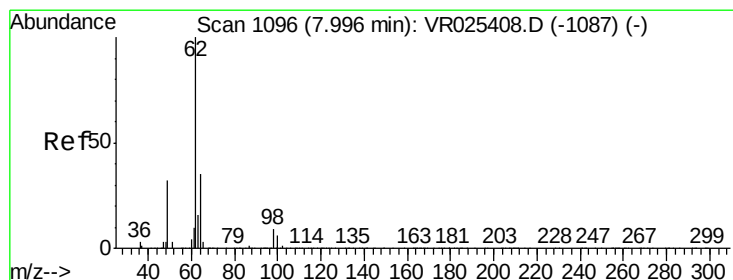
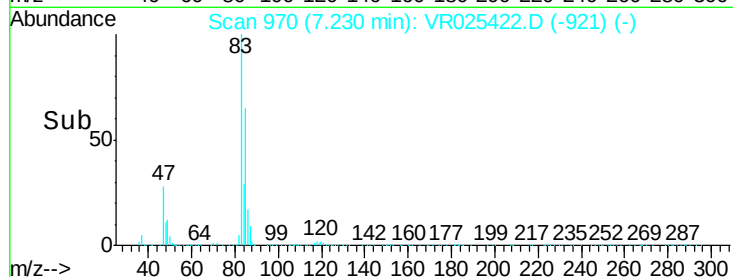
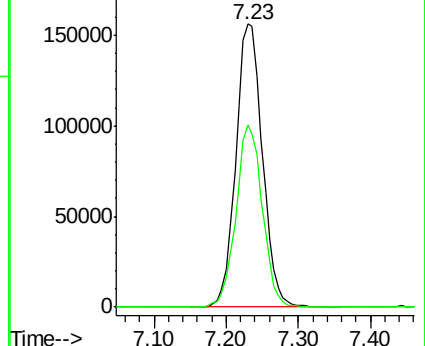
83 100

85 64.6 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 0.216 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. -0.09 min

Lab File: VR025422.D

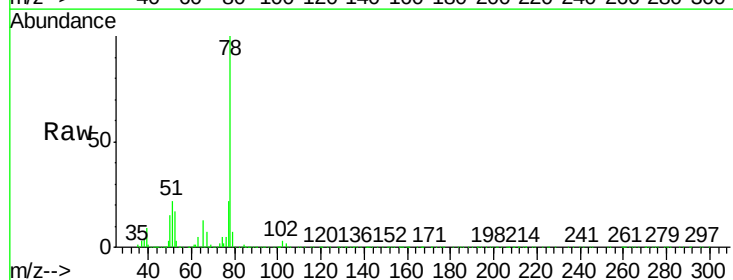
Acq: 22 Jun 2018 19:45

Tgt Ion: 62 Resp: 6846

Ion Ratio Lower Upper

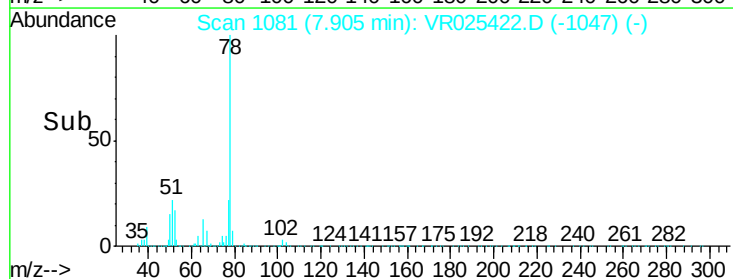
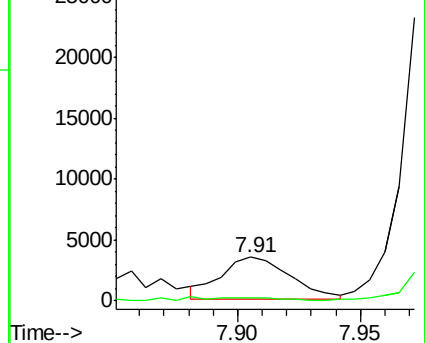
62 100

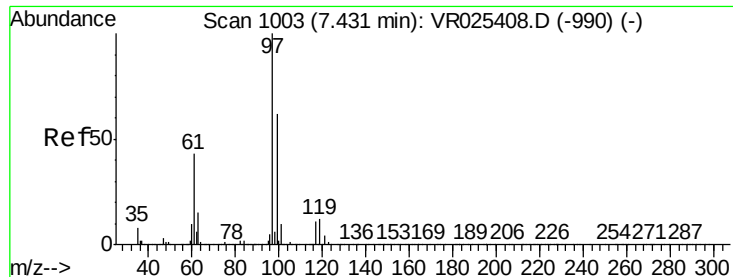
98 6.3 5.4 8.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

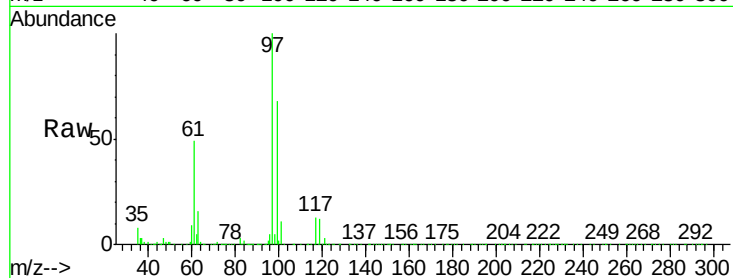




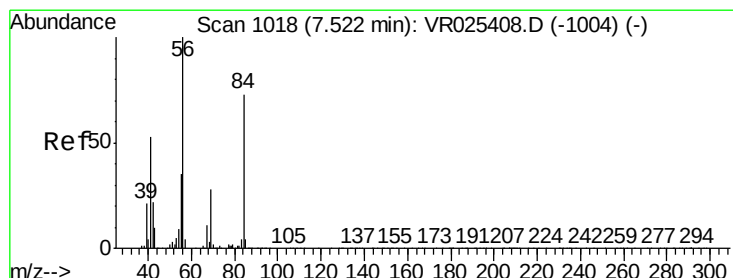
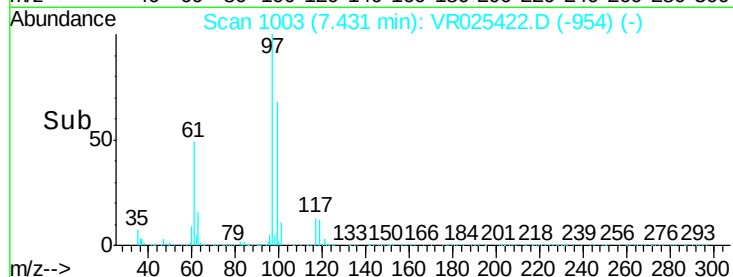
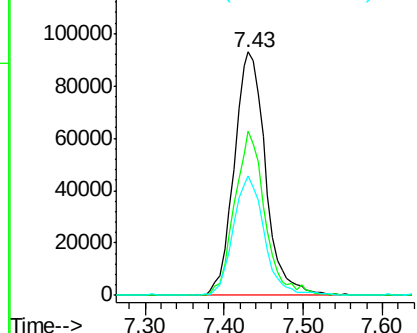
#29
 1,1,1-Trichloroethane
 Concen: 4.539 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00596

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.1	78.1
61	47.9	37.0	55.6

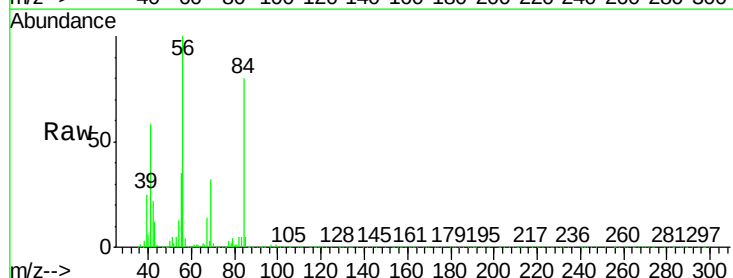


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

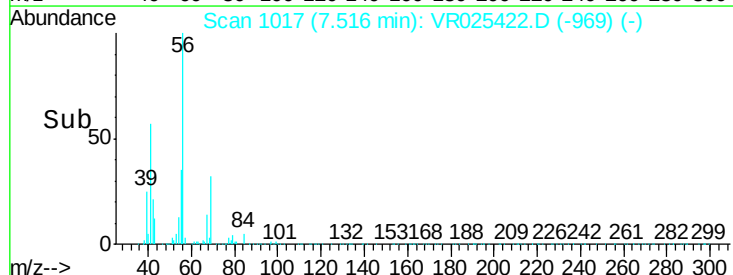
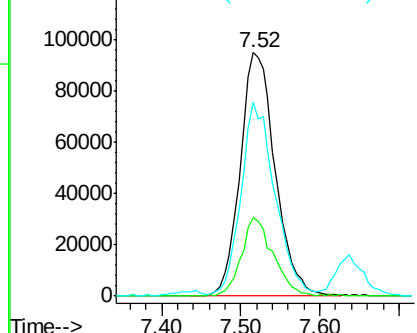


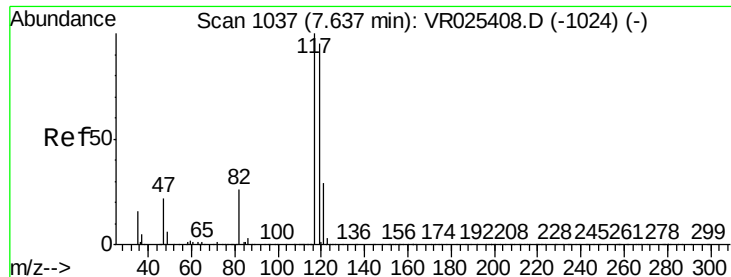
#30
 Cyclohexane
 Concen: 4.080 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.7	35.5
84	77.0	62.6	93.8



Abundance Ion 56.10 (55.80 to 56.80): VR0
 Ion 69.15 (68.85 to 69.85): VR0
 Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.748 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

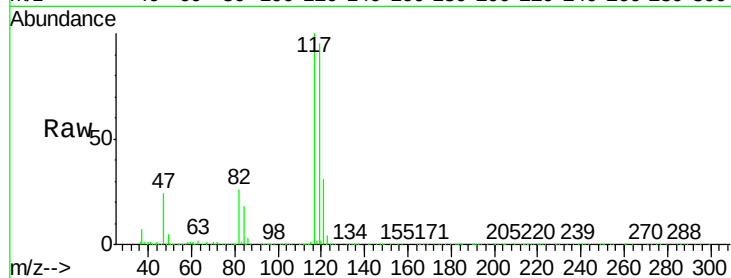
VSTD00596

Tgt Ion:117 Resp: 234644

Ion Ratio Lower Upper

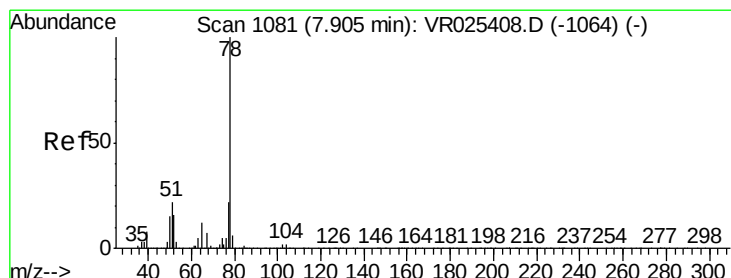
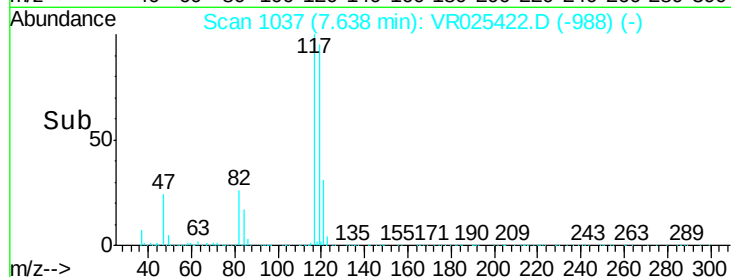
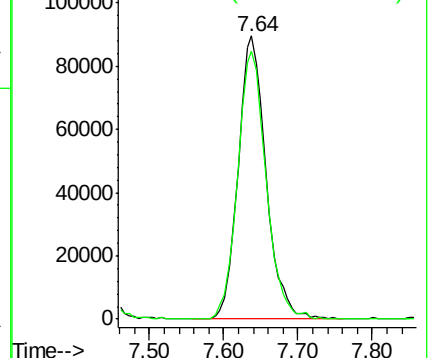
117 100

119 96.7 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.119 ug/L

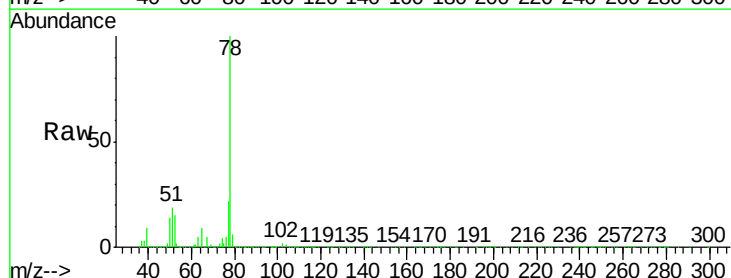
RT: 7.91 min Scan# 1082

Delta R.T. 0.01 min

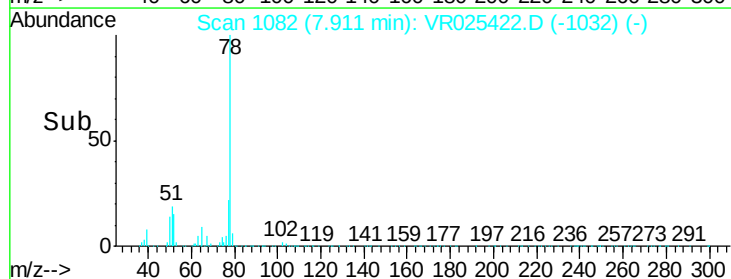
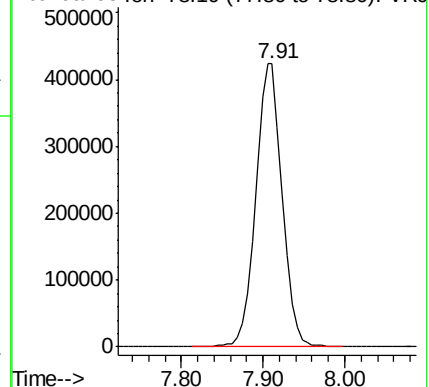
Lab File: VR025422.D

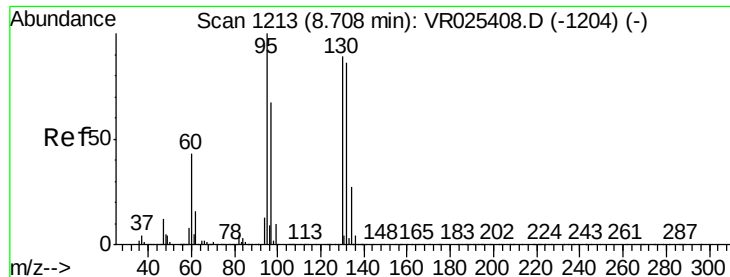
Acq: 22 Jun 2018 19:45

Tgt Ion: 78 Resp: 952602



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 5.169 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

Tgt Ion: 95 Resp: 232717

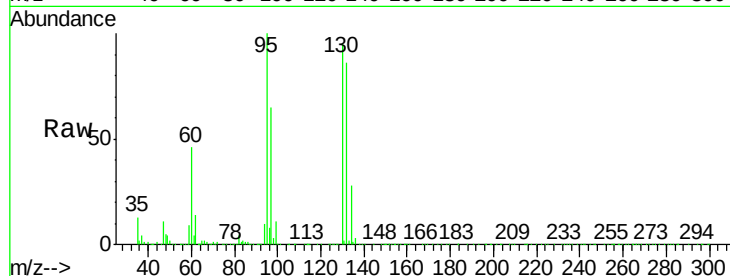
Ion Ratio Lower Upper

95 100

97 64.6 45.6 84.6

132 86.5 60.9 113.1

130 95.0 62.0 115.2

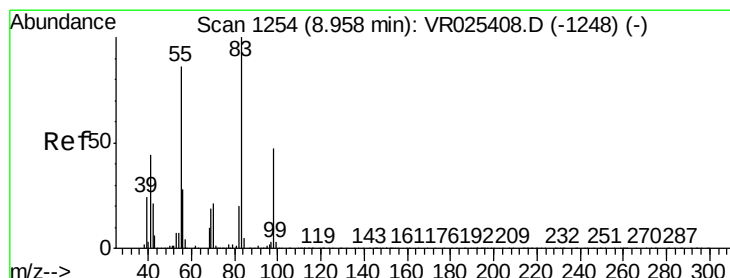
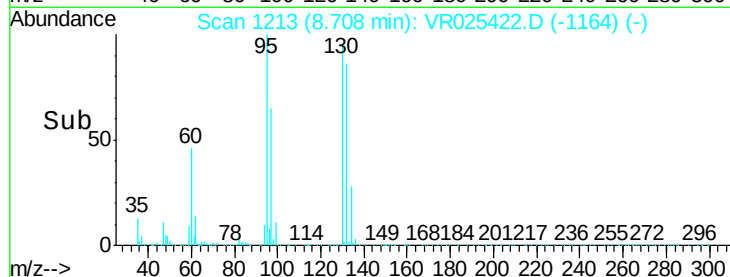
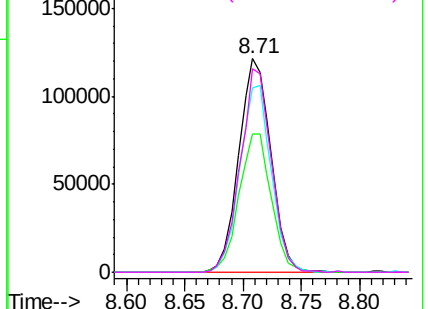


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.420 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

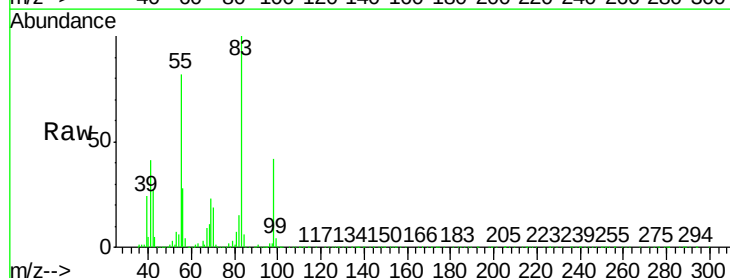
Tgt Ion: 83 Resp: 313955

Ion Ratio Lower Upper

83 100

55 79.4 66.1 99.1

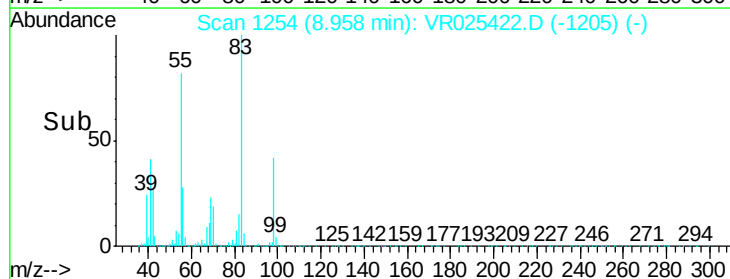
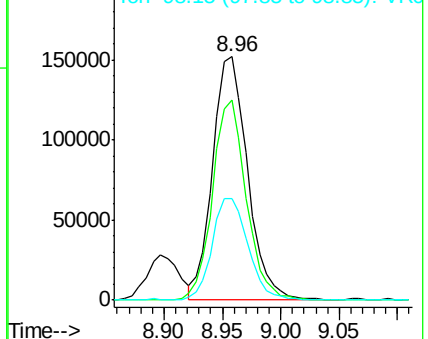
98 43.5 36.2 54.4

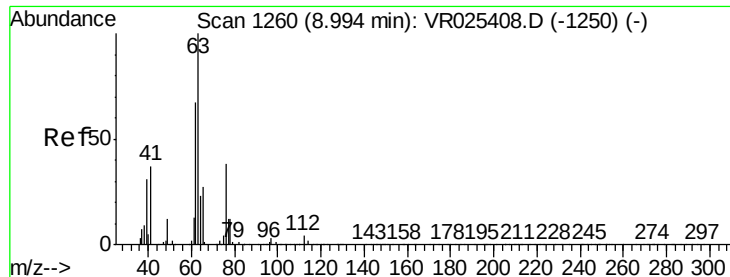


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

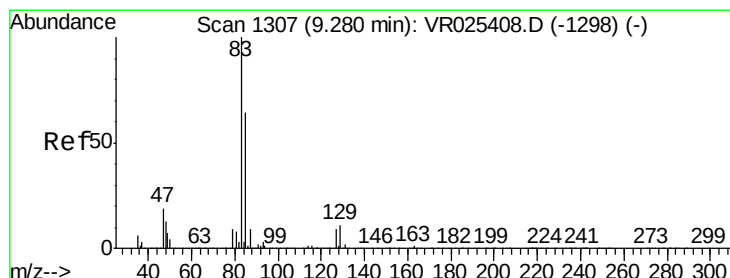
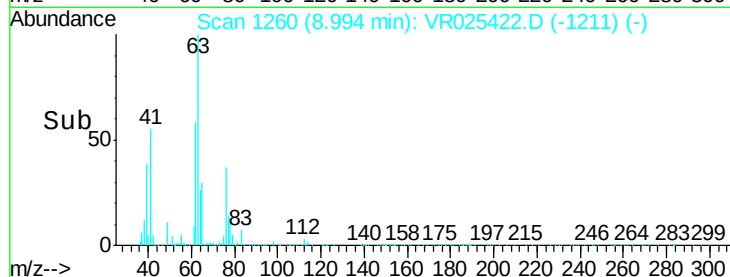
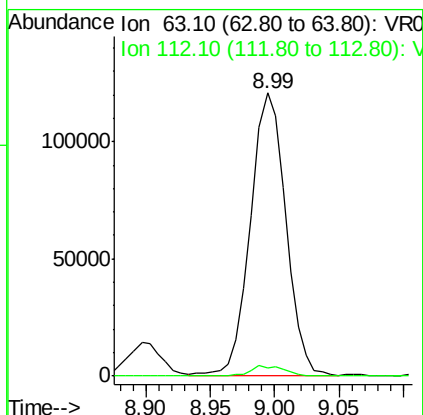
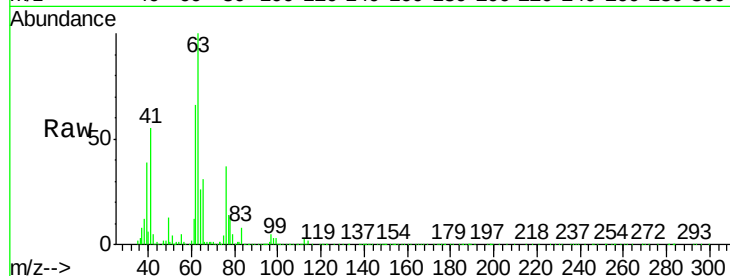




#37
 1,2-Dichloropropane
 Concen: 5.539 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

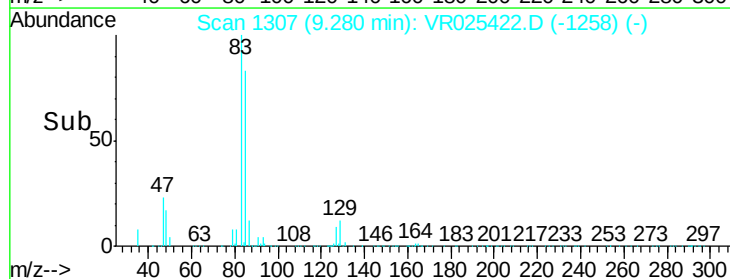
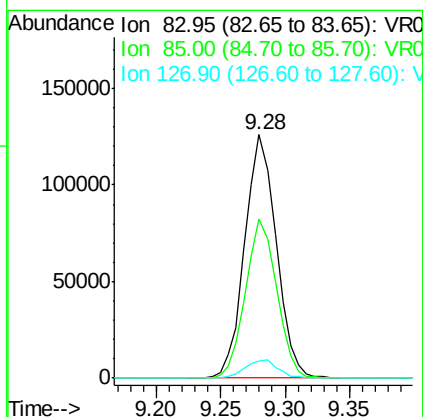
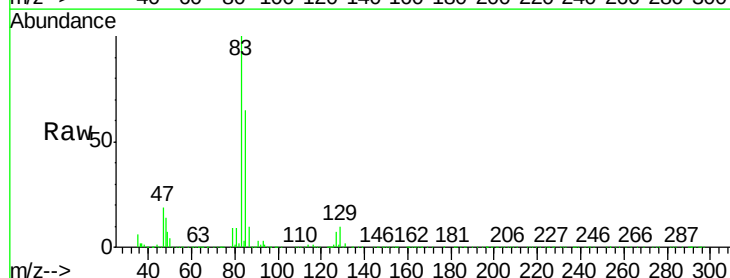
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00596

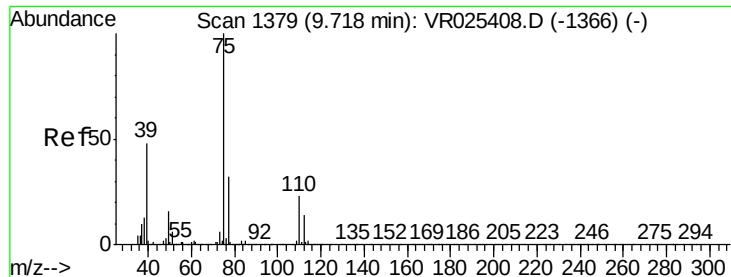
Tgt Ion: 63 Resp: 229138
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.308 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Tgt Ion: 83 Resp: 212944
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.1 85.7
 127 7.2 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 4.761 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

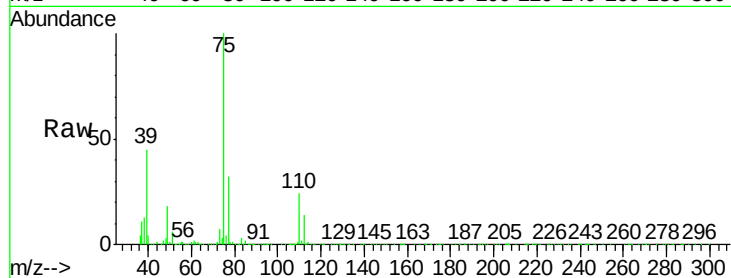
VSTD00596

Tgt Ion: 75 Resp: 231924

Ion Ratio Lower Upper

75 100

77 31.7 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

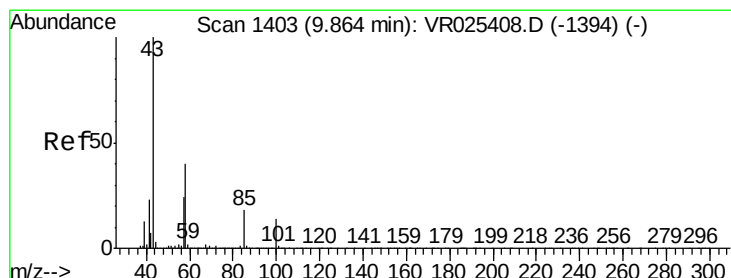
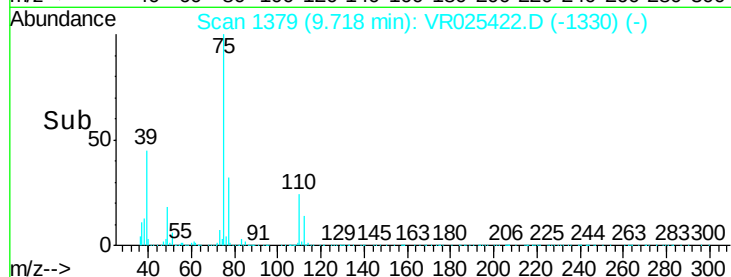
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 60.421 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

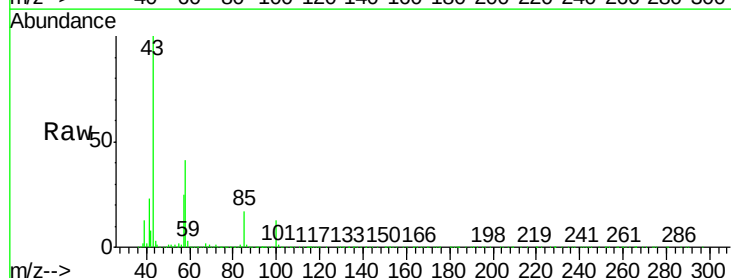
Tgt Ion: 43 Resp: 808760

Ion Ratio Lower Upper

43 100

58 39.9 30.3 45.5

100 13.3 10.3 15.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

600000

500000

400000

300000

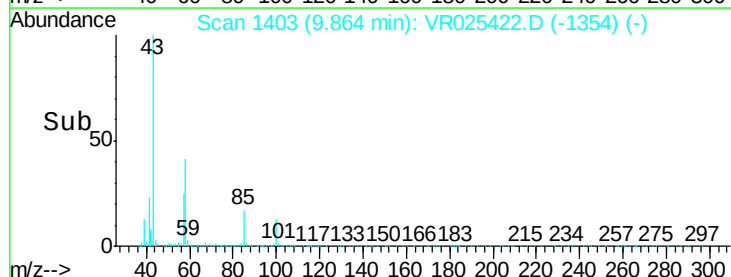
200000

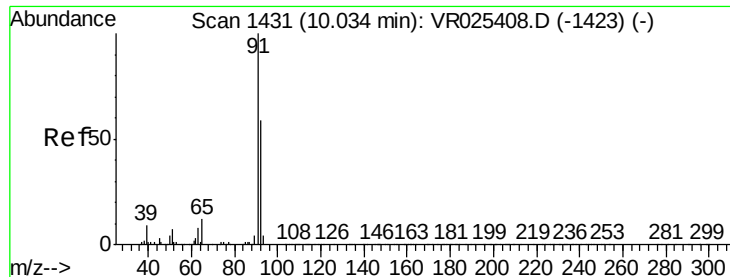
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 4.781 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

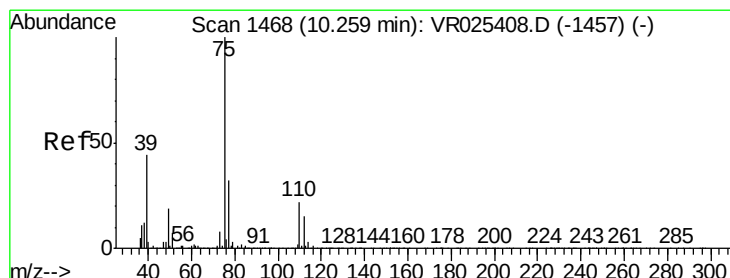
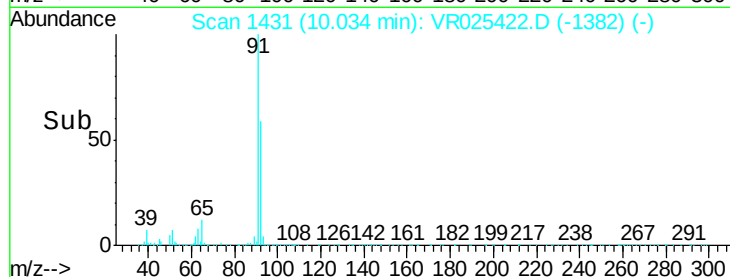
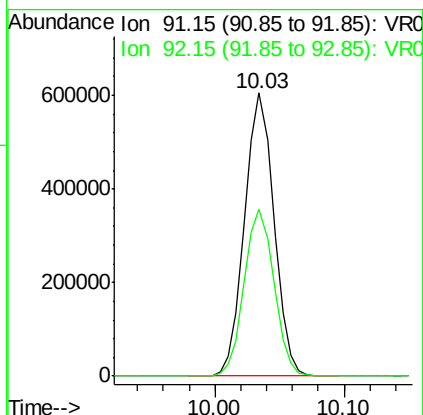
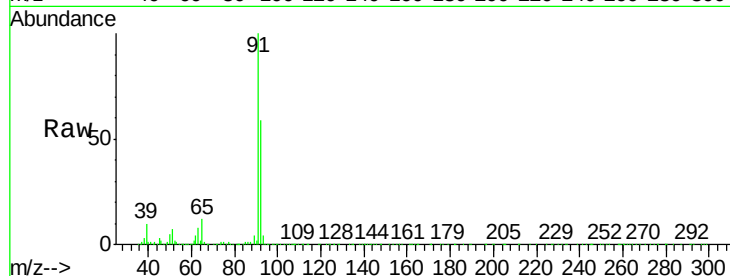
VSTD00596

Tgt Ion: 91 Resp: 953315

Ion Ratio Lower Upper

91 100

92 58.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.846 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.01 min

Lab File: VR025422.D

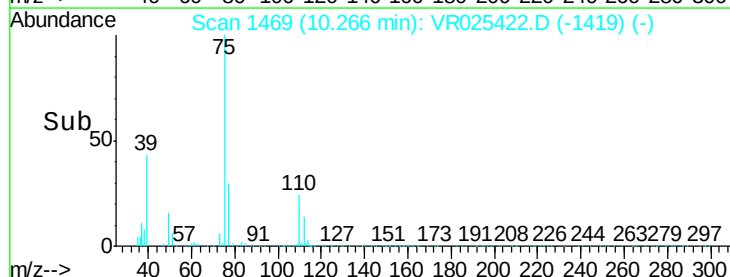
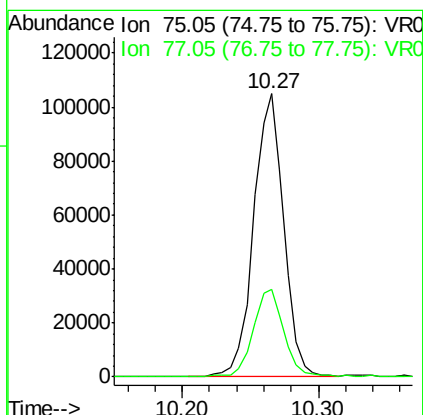
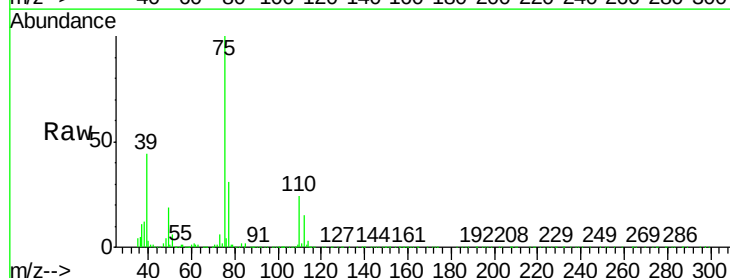
Acq: 22 Jun 2018 19:45

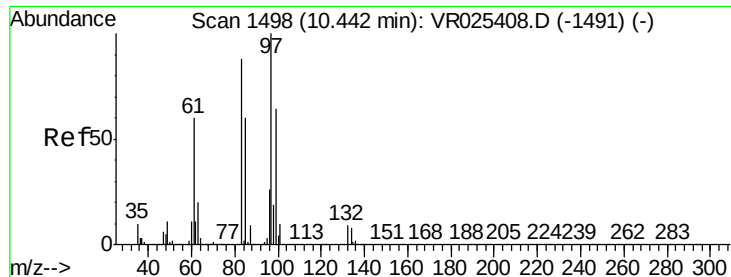
Tgt Ion: 75 Resp: 162387

Ion Ratio Lower Upper

75 100

77 30.8 20.6 38.4

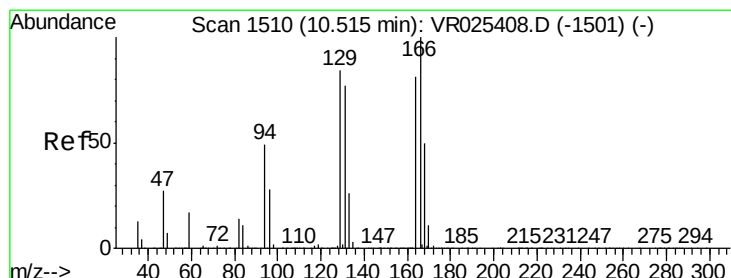
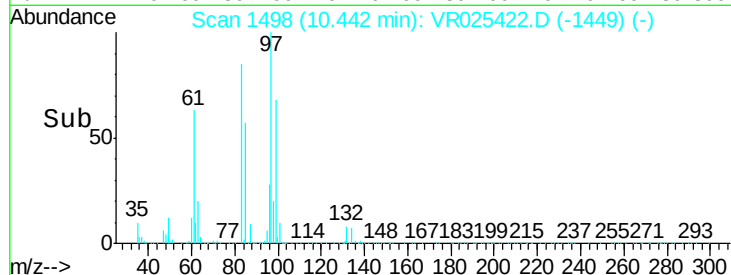
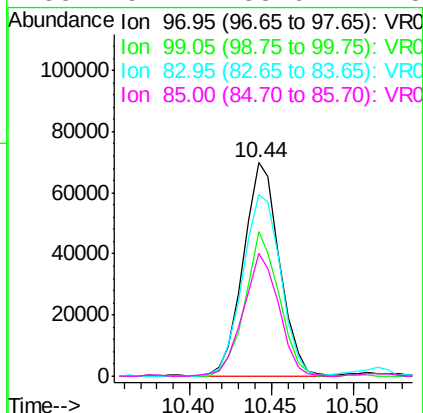
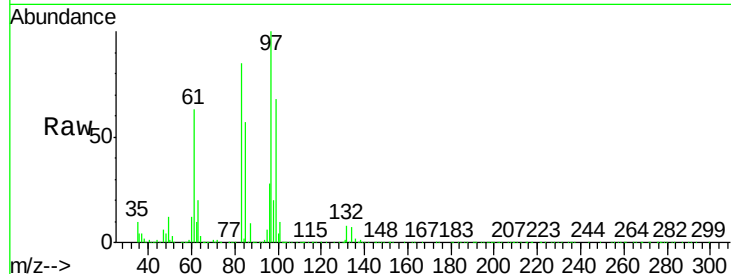




#45
 1,1,2-Trichloroethane
 Concen: 5.632 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

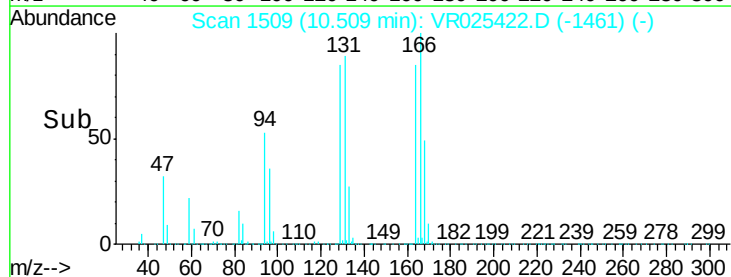
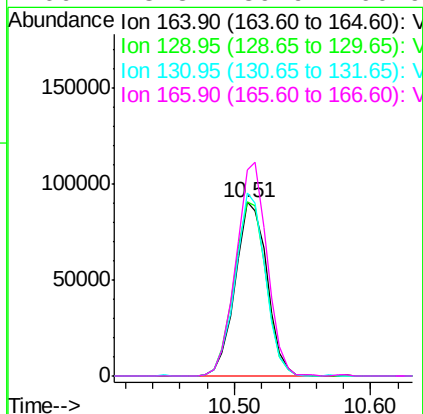
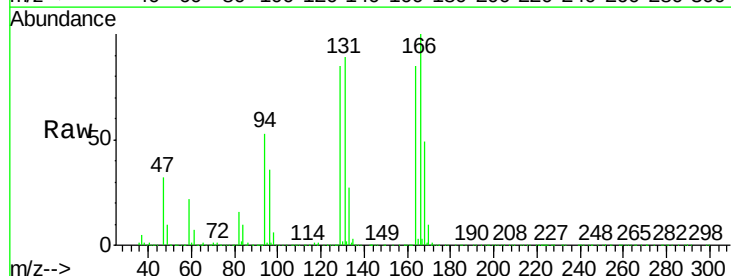
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00596

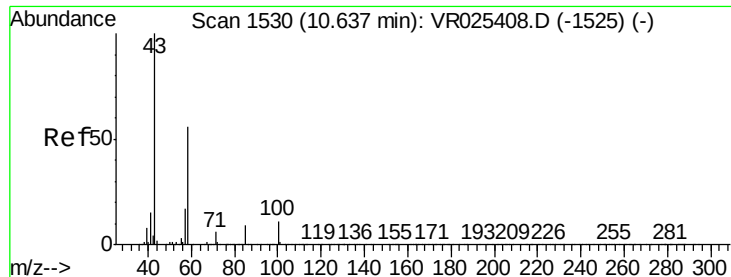
Tgt Ion:	97	Resp:	108153
Ion	Ratio	Lower	Upper
97	100		
99	67.8	41.9	77.9
83	85.3	64.5	119.9
85	57.4	38.6	71.8



#47
 Tetrachloroethene
 Concen: 4.864 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Tgt Ion:	164	Resp:	146180
Ion	Ratio	Lower	Upper
164	100		
129	100.2	68.1	126.5
131	105.0	68.5	127.1
166	118.3	89.9	166.9





#48

2-Hexanone

Concen: 62.455 ug/L

RT: 10.64 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampled :

VSTD00596

Tgt Ion: 43 Resp: 532904

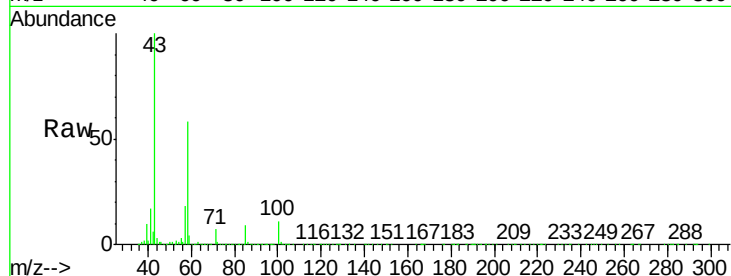
Ion Ratio Lower Upper

43 100

58 57.7 43.1 64.7

57 18.9 15.3 22.9

100 10.4 7.9 11.9

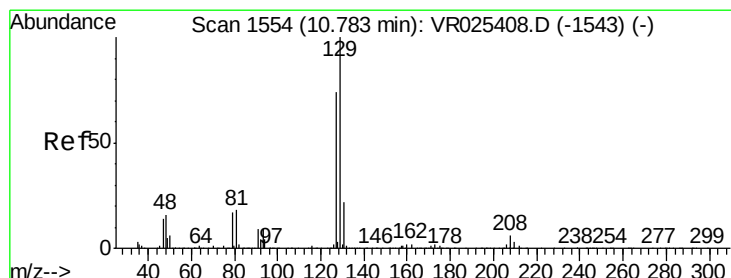
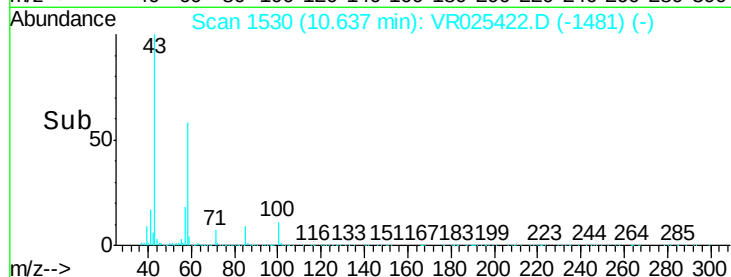
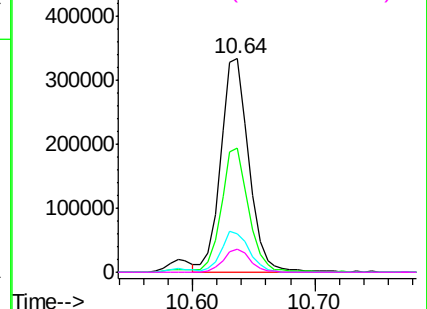


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0



#49

Dibromochloromethane

Concen: 5.413 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VR025422.D

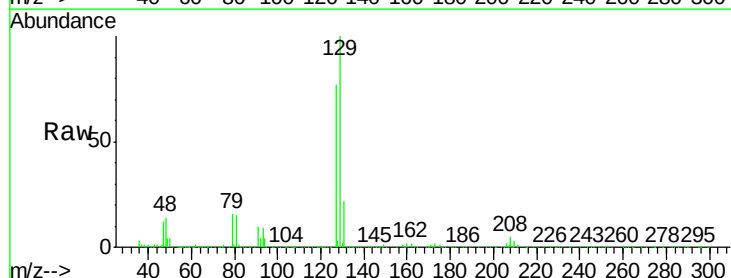
Acq: 22 Jun 2018 19:45

Tgt Ion: 129 Resp: 100078

Ion Ratio Lower Upper

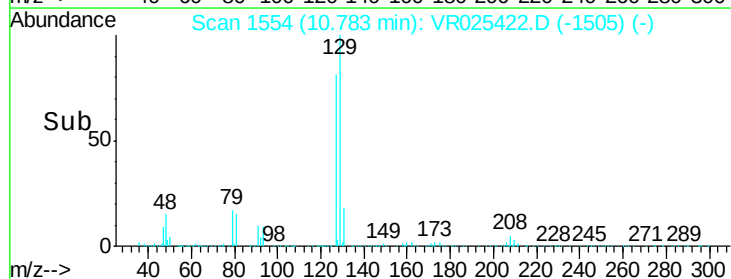
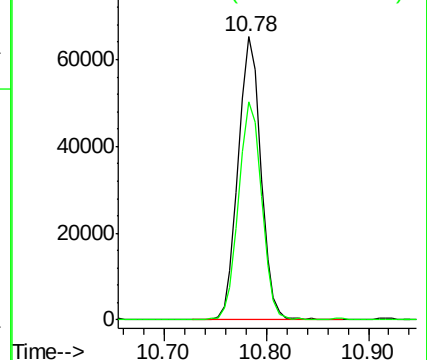
129 100

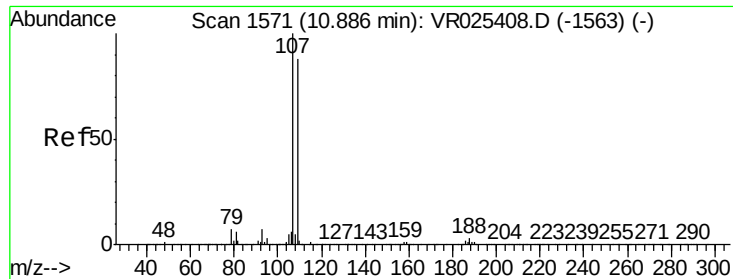
127 77.0 55.9 103.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

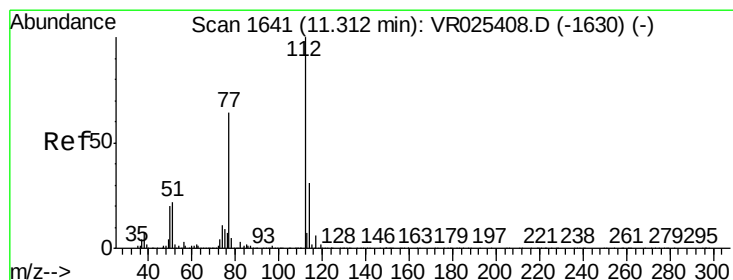
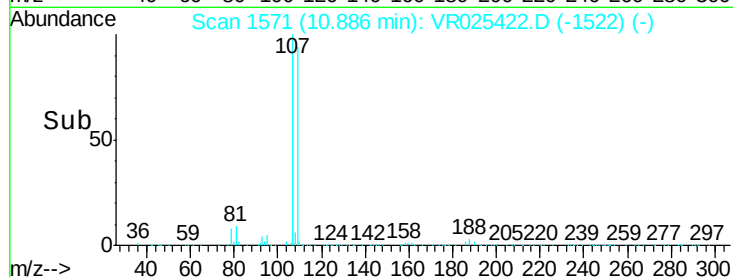
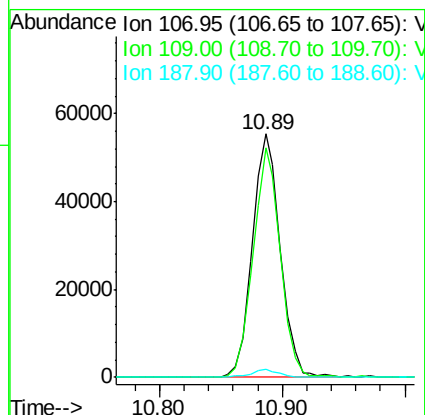
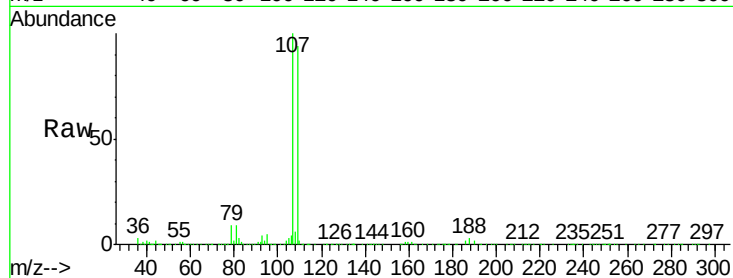




#50
1,2-Dibromoethane
Concen: 5.709 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

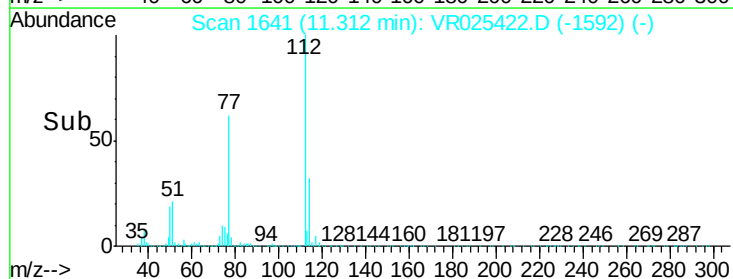
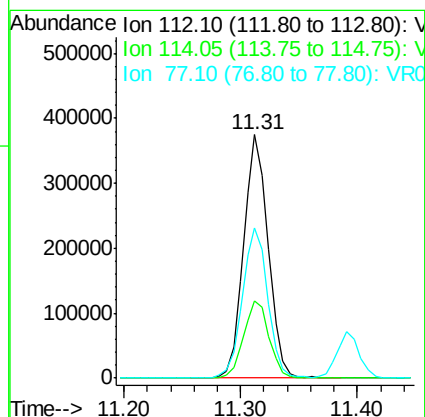
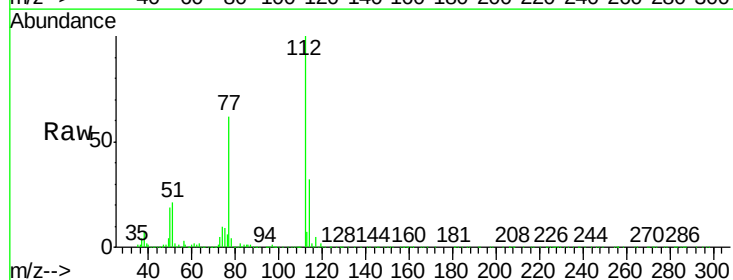
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

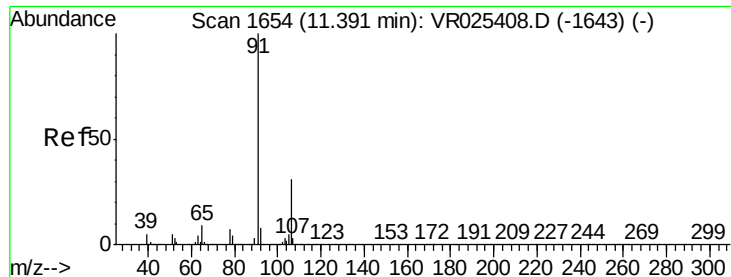
Tgt Ion:107 Resp: 87889
Ion Ratio Lower Upper
107 100
109 94.1 63.1 117.3
188 3.2 1.8 2.8#



#51
Chlorobenzene
Concen: 5.166 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

Tgt Ion:112 Resp: 551644
Ion Ratio Lower Upper
112 100
114 31.7 21.6 40.0
77 61.8 51.9 77.9





#52

Ethylbenzene

Concen: 5.362 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

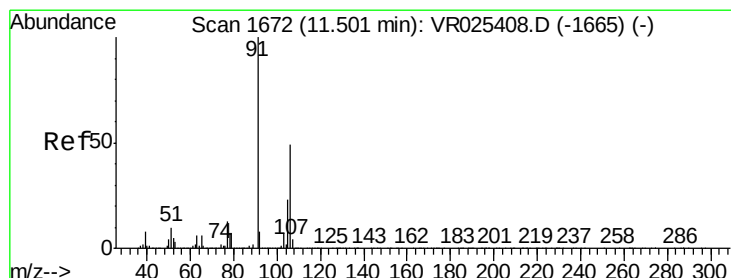
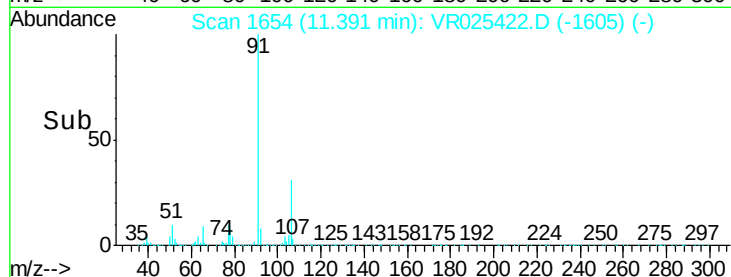
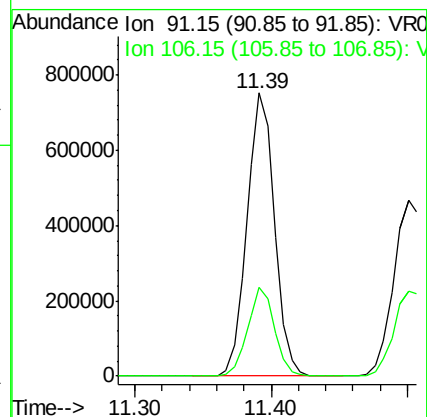
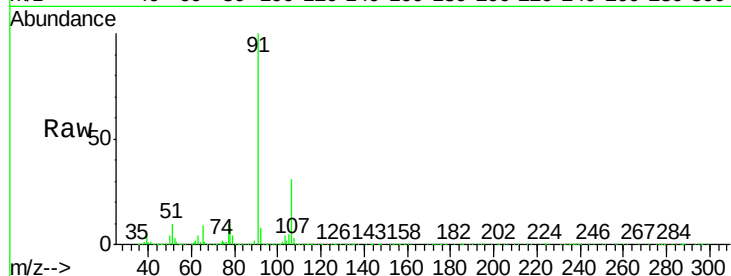
VSTD00596

Tgt Ion: 91 Resp: 1060703

Ion Ratio Lower Upper

91 100

106 31.4 22.5 41.7



#53

m,p-Xylene

Concen: 5.263 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025422.D

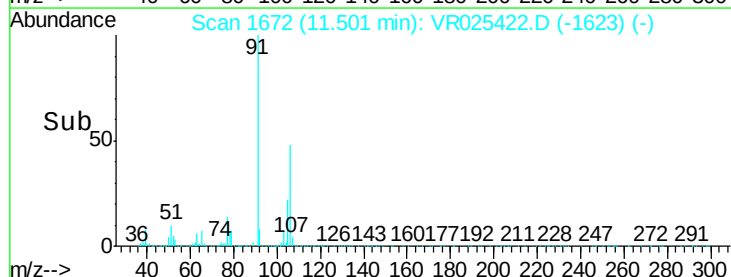
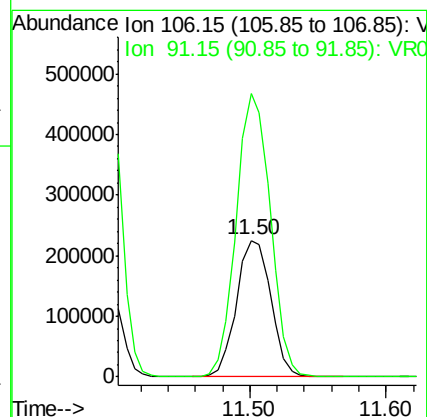
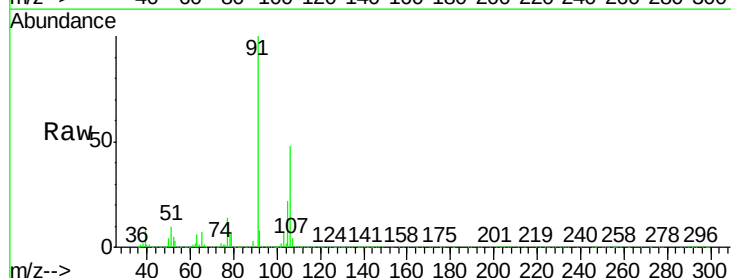
Acq: 22 Jun 2018 19:45

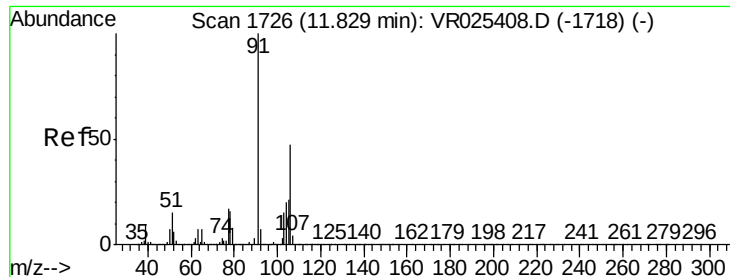
Tgt Ion: 106 Resp: 397454

Ion Ratio Lower Upper

106 100

91 207.0 152.6 283.4

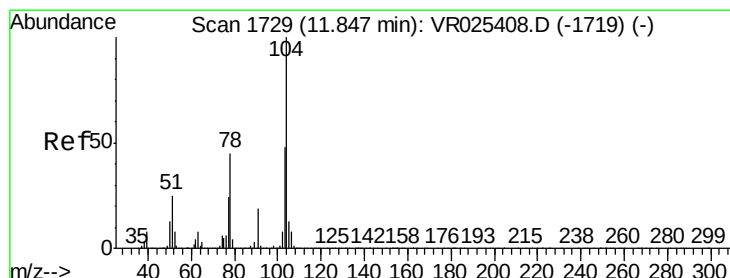
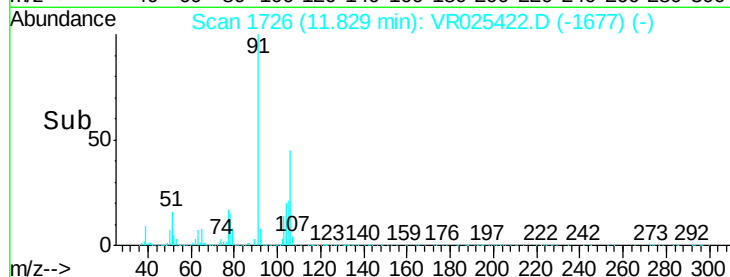
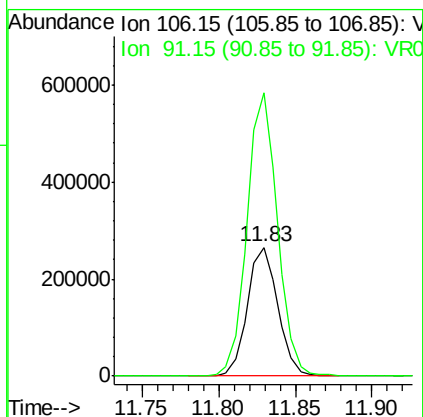
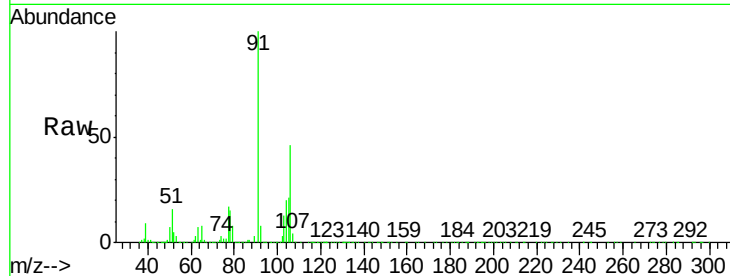




#54
o-Xylene
Concen: 5.417 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

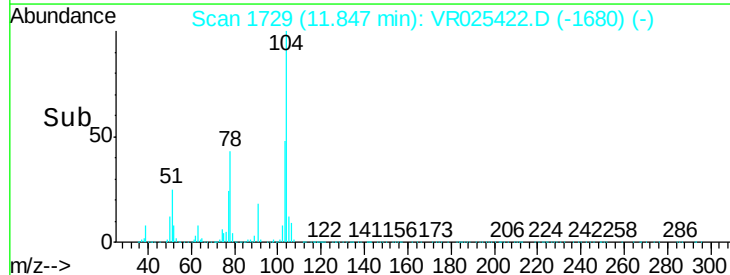
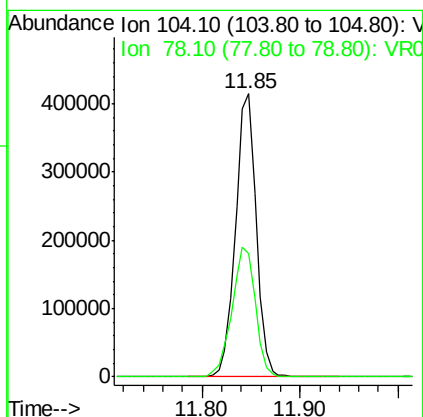
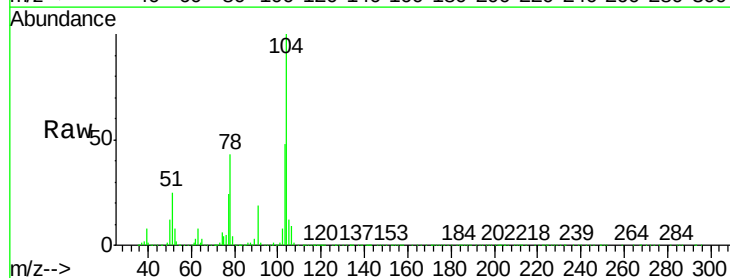
Instrument :
MSVOA_R
ClientSampleId :
VSTD00596

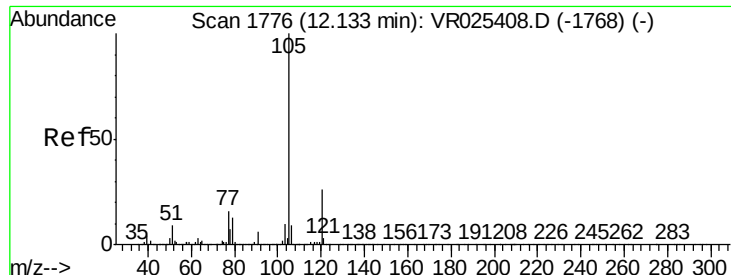
Tgt Ion:106 Resp: 365642
Ion Ratio Lower Upper
106 100
91 219.6 153.7 285.5



#55
Styrene
Concen: 5.865 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025422.D
Acq: 22 Jun 2018 19:45

Tgt Ion:104 Resp: 608421
Ion Ratio Lower Upper
104 100
78 43.5 35.4 65.7





#56

Isopropylbenzene

Concen: 5.404 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

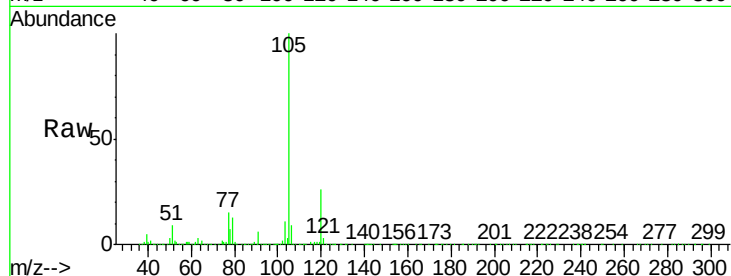
Tgt Ion: 105 Resp: 980615

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.4

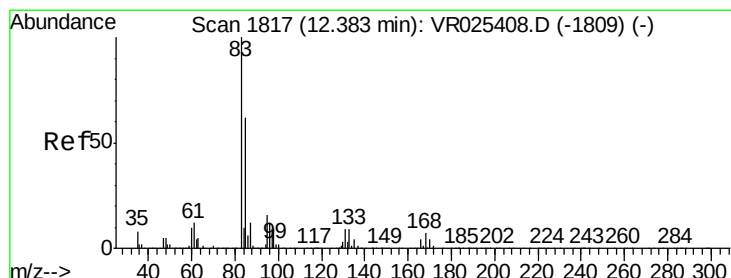
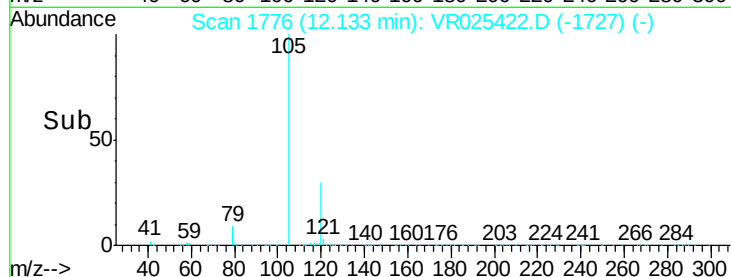
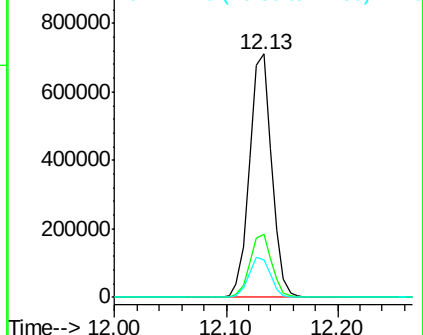
77 16.1 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.410 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

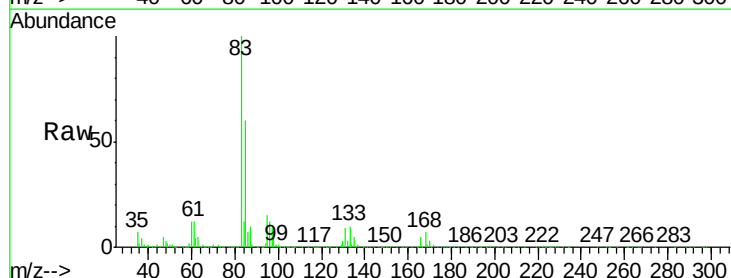
Tgt Ion: 83 Resp: 113991

Ion Ratio Lower Upper

83 100

85 60.5 41.8 77.6

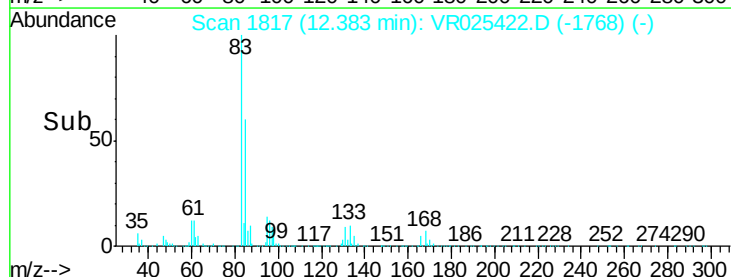
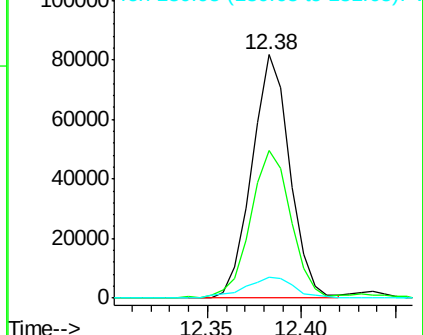
131 8.8 6.1 9.1

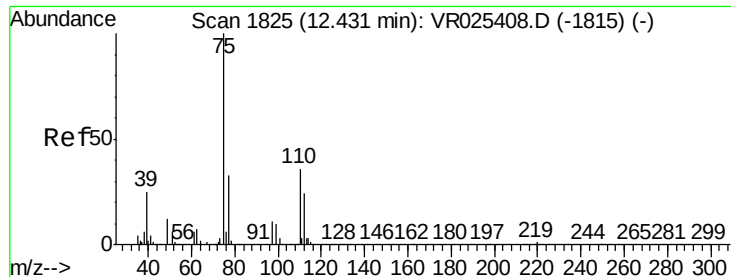


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

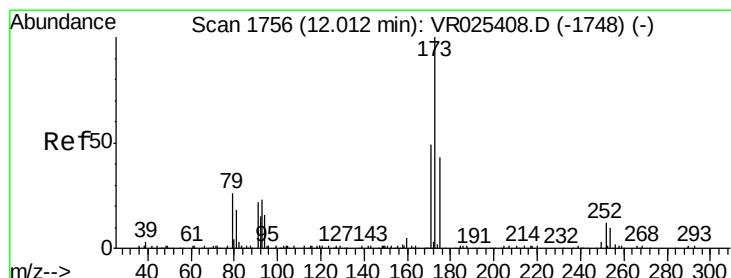
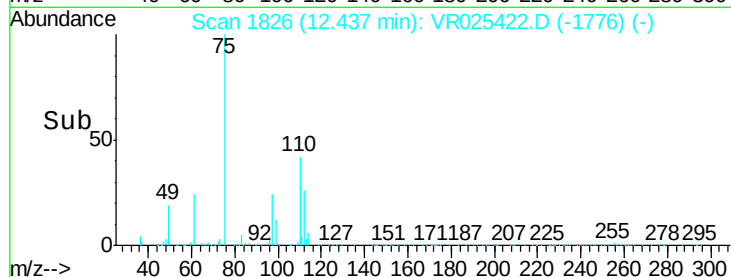
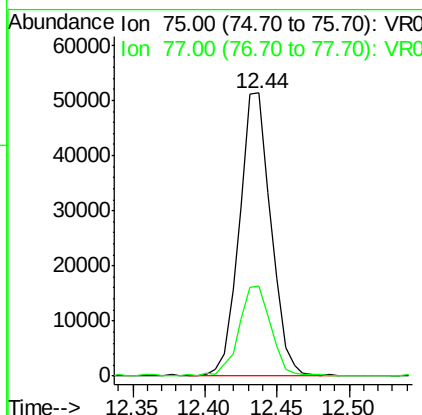
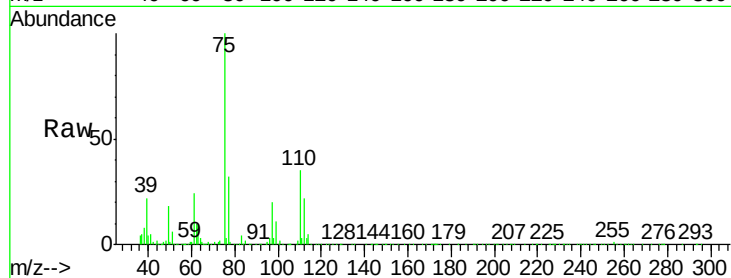




#59
 1,2,3-Trichloropropane
 Concen: 6.077 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

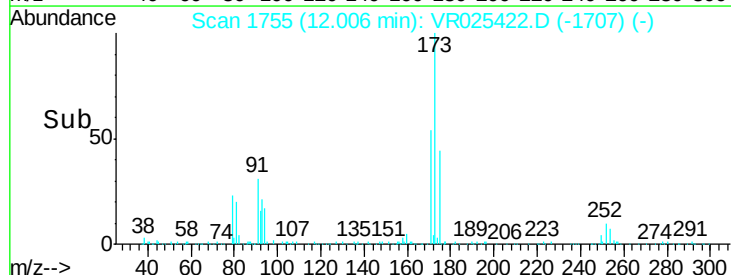
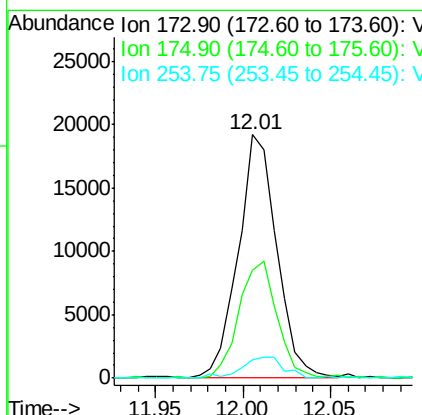
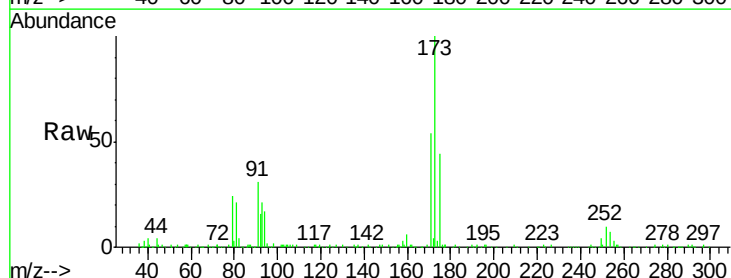
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

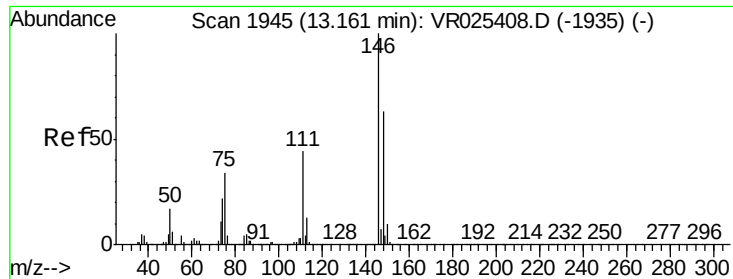
Tgt Ion: 75 Resp: 77998
 Ion Ratio Lower Upper
 75 100
 77 32.2 27.0 40.4



#61
 Bromoform
 Concen: 4.245 ug/L
 RT: 12.01 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Tgt Ion: 173 Resp: 29584
 Ion Ratio Lower Upper
 173 100
 175 47.8 37.5 56.3
 254 9.2 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 4.763 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

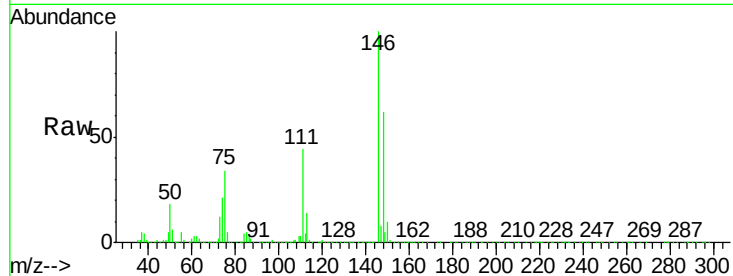
Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

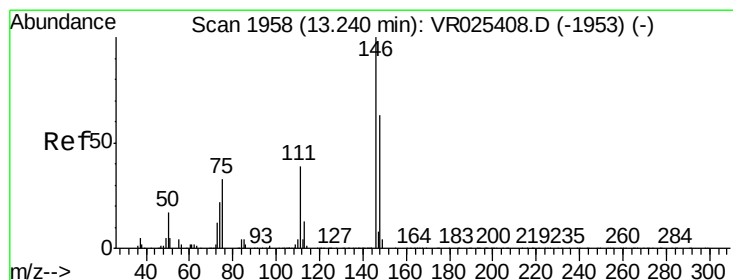
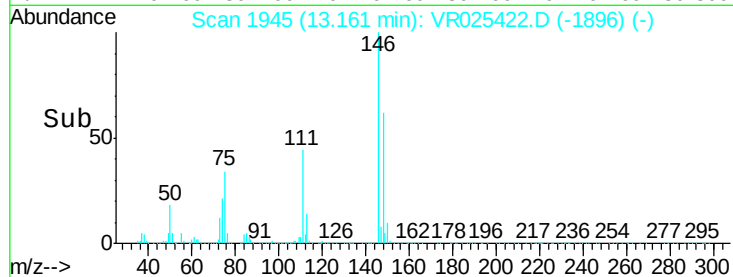
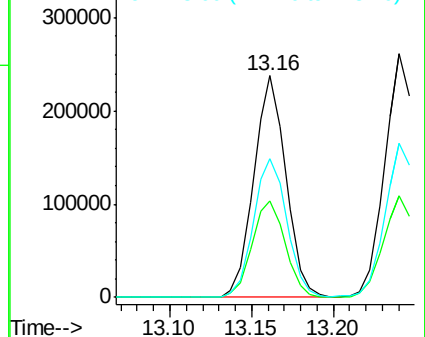
Tgt Ion:	146	Resp:	326640
Ion Ratio	Lower	Upper	
146	100		
111	43.7	31.0	57.6
148	62.3	44.8	83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.231 ug/L

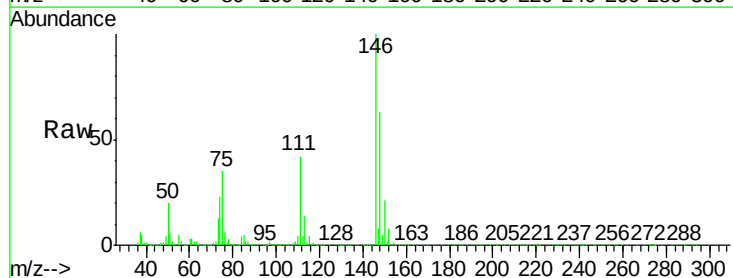
RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

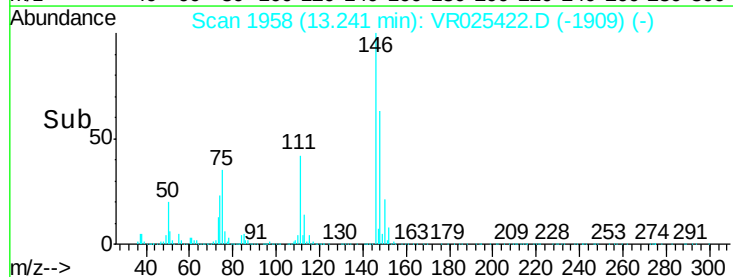
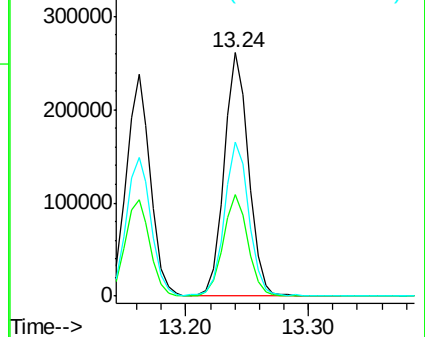
Tgt Ion:	146	Resp:	358692
Ion Ratio	Lower	Upper	
146	100		
111	41.9	30.5	56.7
148	63.5	42.8	79.4

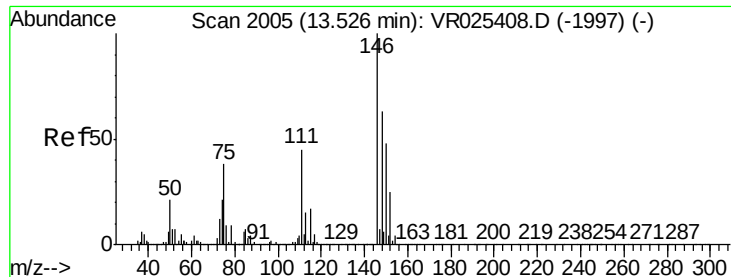


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

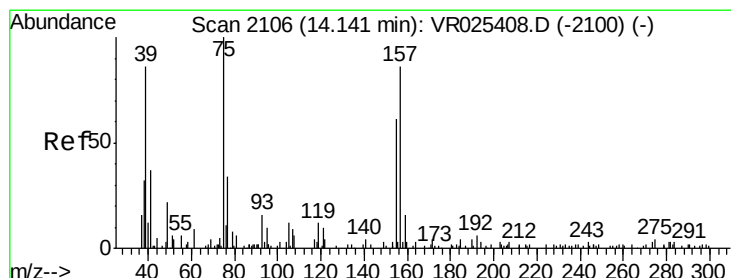
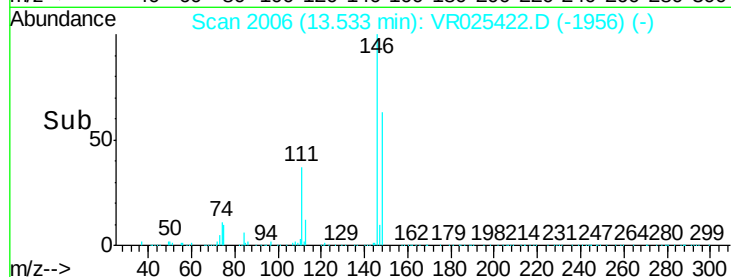
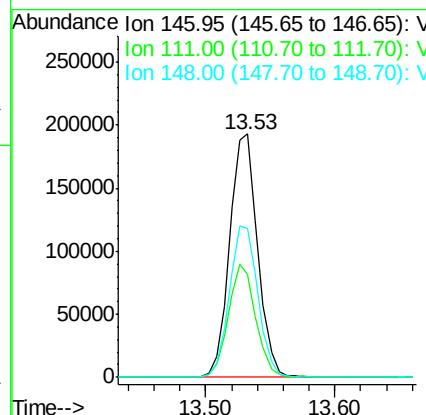
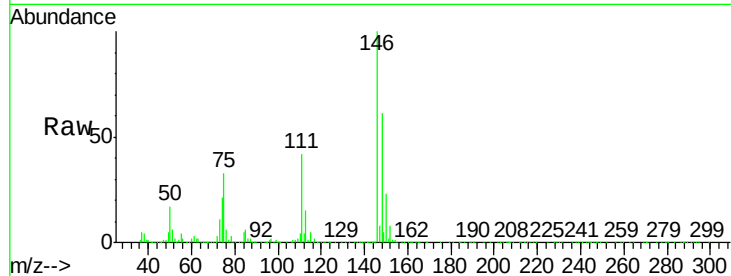




#65
 1,2-Dichlorobenzene
 Concen: 5.343 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

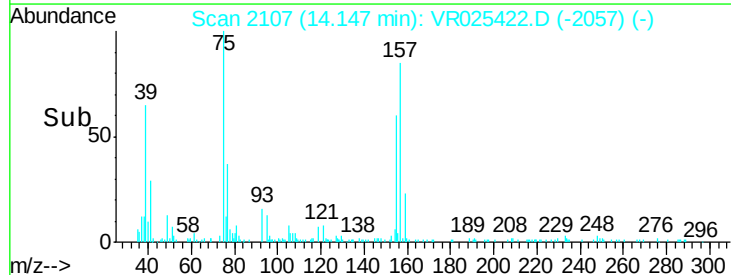
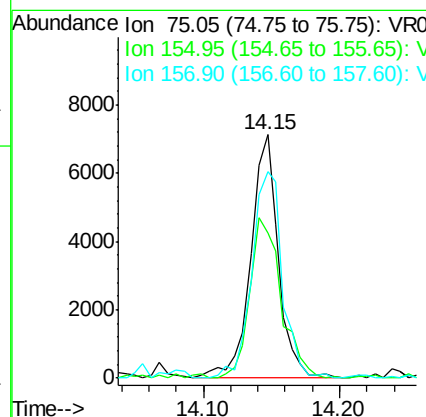
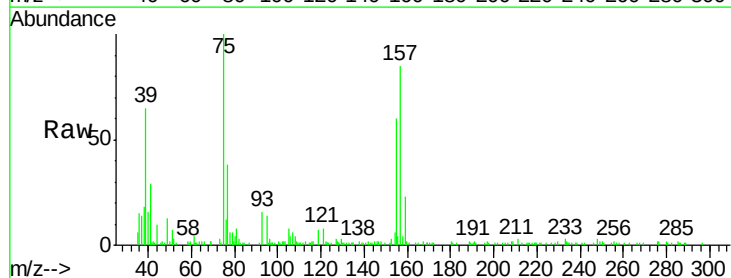
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00596

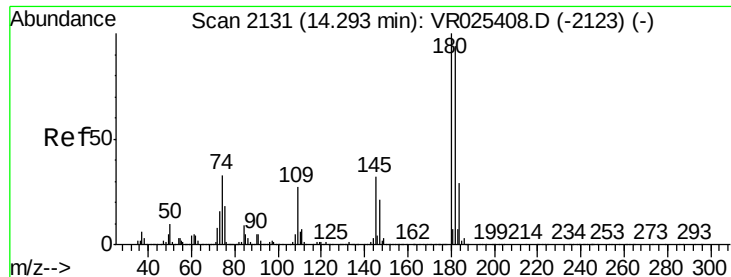
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.8	53.8
148	61.2	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.663 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.6	74.1	111.1#
157	84.8	71.0	106.6

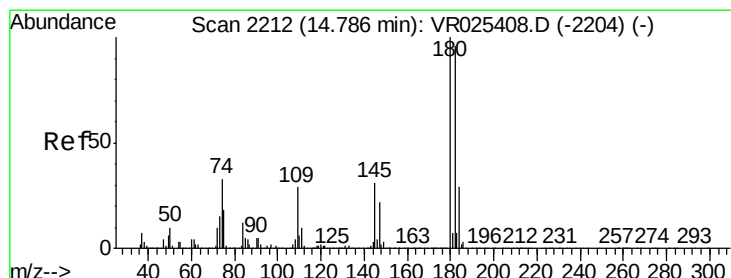
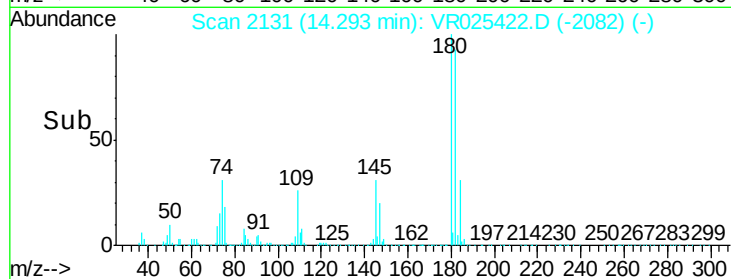
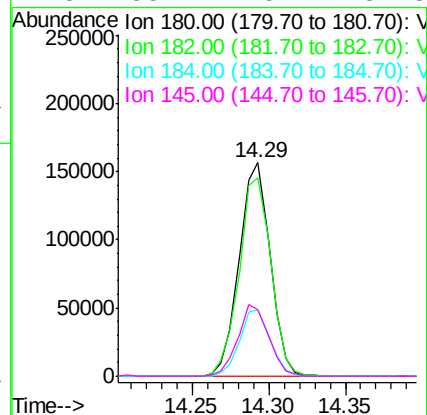
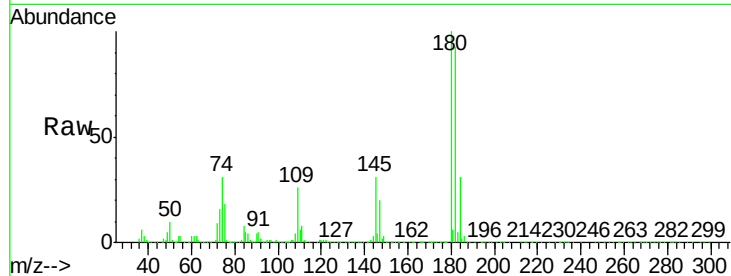




#67
 1,3,5-Trichlorobenzene
 Concen: 4.821 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

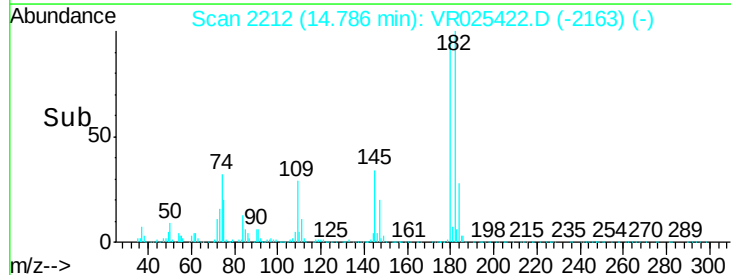
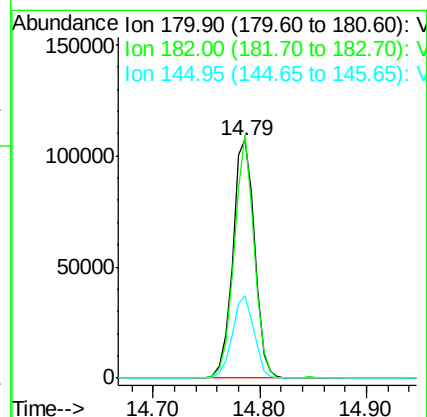
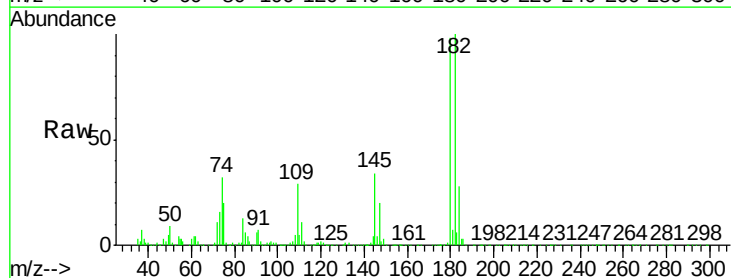
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

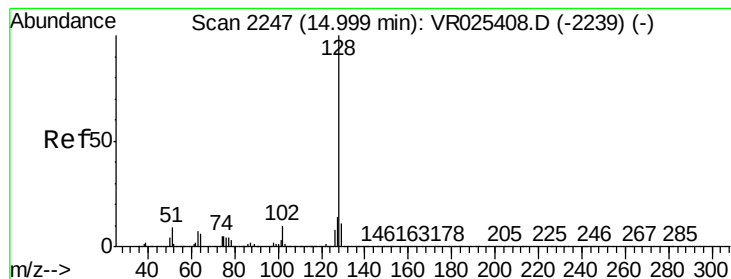
Tgt Ion:	180	Resp:	218972
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.0	114.0
184	31.1	24.5	36.7
145	33.7	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.865 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025422.D
 Acq: 22 Jun 2018 19:45

Tgt Ion:	180	Resp:	153838
Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.0	112.4
145	34.4	27.3	40.9





#69

Naphthalene

Concen: 5.021 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD00596

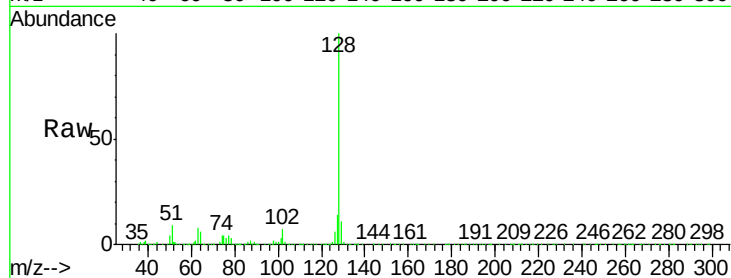
Tgt Ion:128 Resp: 206621

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

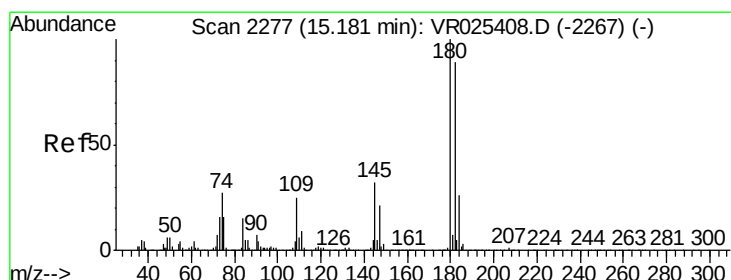
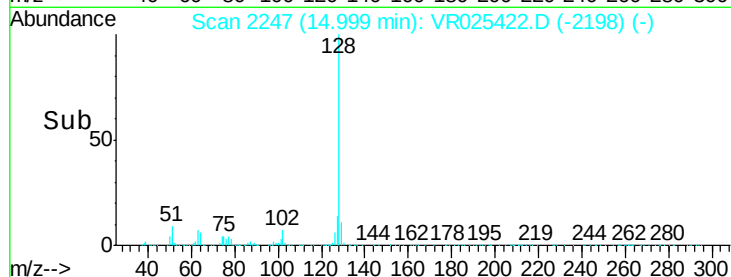
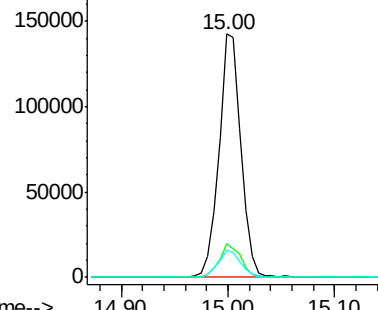
129 11.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.285 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025422.D

Acq: 22 Jun 2018 19:45

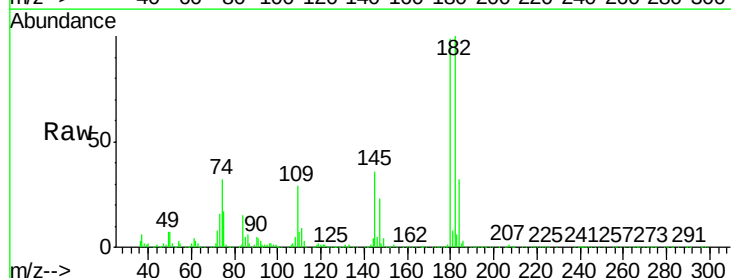
Tgt Ion:180 Resp: 129324

Ion Ratio Lower Upper

180 100

182 95.2 75.2 112.8

145 36.8 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

