

Data File : VR025626.D
Acq On : 21 Aug 2018 13:42
Operator : SY/MD
Sample : VSTD01084
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Quant Time: Aug 21 16:36:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 21 16:35:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	537253	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	458394	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	185476	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	344521	9.35	ug/L	0.00
7) Chloroethane-d5	2.62	69	297643	11.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.62	63	860088	9.90	ug/L	0.00
20) 2-Butanone-d5	6.59	46	259157	74.07	ug/L	0.00
24) Chloroform-d	7.20	84	618404	9.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	210857	8.82	ug/L	0.00
32) Benzene-d6	7.86	84	1531285	12.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	390277	11.28	ug/L	0.00
41) Toluene-d8	9.97	98	1418178	11.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	97806	11.75	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	359260	115.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	176864	9.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	299873	9.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	297259	9.468 ug/L	98
3) Chloromethane	2.01	50	442975	9.372 ug/L	100
5) Vinyl chloride	2.17	62	431822	10.145 ug/L	99
6) Bromomethane	2.52	94	286702	13.948 ug/L	92
8) Chloroethane	2.66	64	262398	11.672 ug/L	93
9) Trichlorofluoromethane	2.93	101	213235	3.447 ug/L	# 19
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	372970	9.323 ug/L	99
12) 1,1-Dichloroethene	3.64	96	410532	9.279 ug/L	84
13) Acetone	3.70	43	144740	40.381 ug/L	97
14) Carbon disulfide	3.95	76	1140718	12.499 ug/L	99
15) Methyl Acetate	4.19	43	52449	5.562 ug/L	# 90
16) Methylene chloride	4.40	84	359230	8.769 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	459621	9.885 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	452527	10.844 ug/L	92
19) 1,1-Dichloroethane	5.69	63	704970	11.871 ug/L	96
21) 2-Butanone	6.69	43	342322	78.554 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	422953	11.261 ug/L	# 88
23) Bromochloromethane	7.05	128	120549	8.451 ug/L	98
25) Chloroform	7.23	83	616451	9.909 ug/L	100
27) 1,2-Dichloroethane	7.99	62	231123	9.197 ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	442306	11.374 ug/L	98
30) Cyclohexane	7.52	56	640106	16.704 ug/L	100
31) Carbon tetrachloride	7.64	117	386028	9.445 ug/L	98
33) Benzene	7.91	78	1746795	12.212 ug/L	100
34) Trichloroethene	8.71	95	388367	11.446 ug/L	98
35) Methylcyclohexane	8.96	83	680843	14.784 ug/L	99
37) 1,2-Dichloropropane	8.99	63	363828	11.128 ug/L	99
38) Bromodichloromethane	9.28	83	324621	9.976 ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	428201	13.290 ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	1019687	103.767 ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	1754572	11.380	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	300515	12.569	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	161998	9.360	ug/L	96
47) Tetrachloroethene	10.52	164	290880	9.705	ug/L	97
48) 2-Hexanone	10.64	43	695875	100.995	ug/L	99
49) Dibromochloromethane	10.78	129	187630	9.160	ug/L	99
50) 1,2-Dibromoethane	10.89	107	135087	9.143	ug/L	91
51) Chlorobenzene	11.31	112	1010888	10.278	ug/L	95
52) Ethylbenzene	11.39	91	1915667	12.320	ug/L	97
53) m,p-Xylene	11.51	106	767028	12.462	ug/L	99
54) o-Xylene	11.83	106	725857	12.653	ug/L	100
55) Styrene	11.85	104	1160993	12.273	ug/L	95
56) Isopropylbenzene	12.13	105	1822211	13.200	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	174950	10.051	ug/L	90
59) 1,2,3-Trichloropropane	12.44	75	117200	10.802	ug/L	92
61) Bromoform	12.01	173	76244	8.829	ug/L #	94
62) 1,3-Dichlorobenzene	13.16	146	606701	11.345	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	615291	9.529	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	488668	9.590	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	13216	8.661	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	324366	9.010	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	212108	9.563	ug/L	100
69) Naphthalene	15.00	128	287782	11.080	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	160457	8.517	ug/L	96

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

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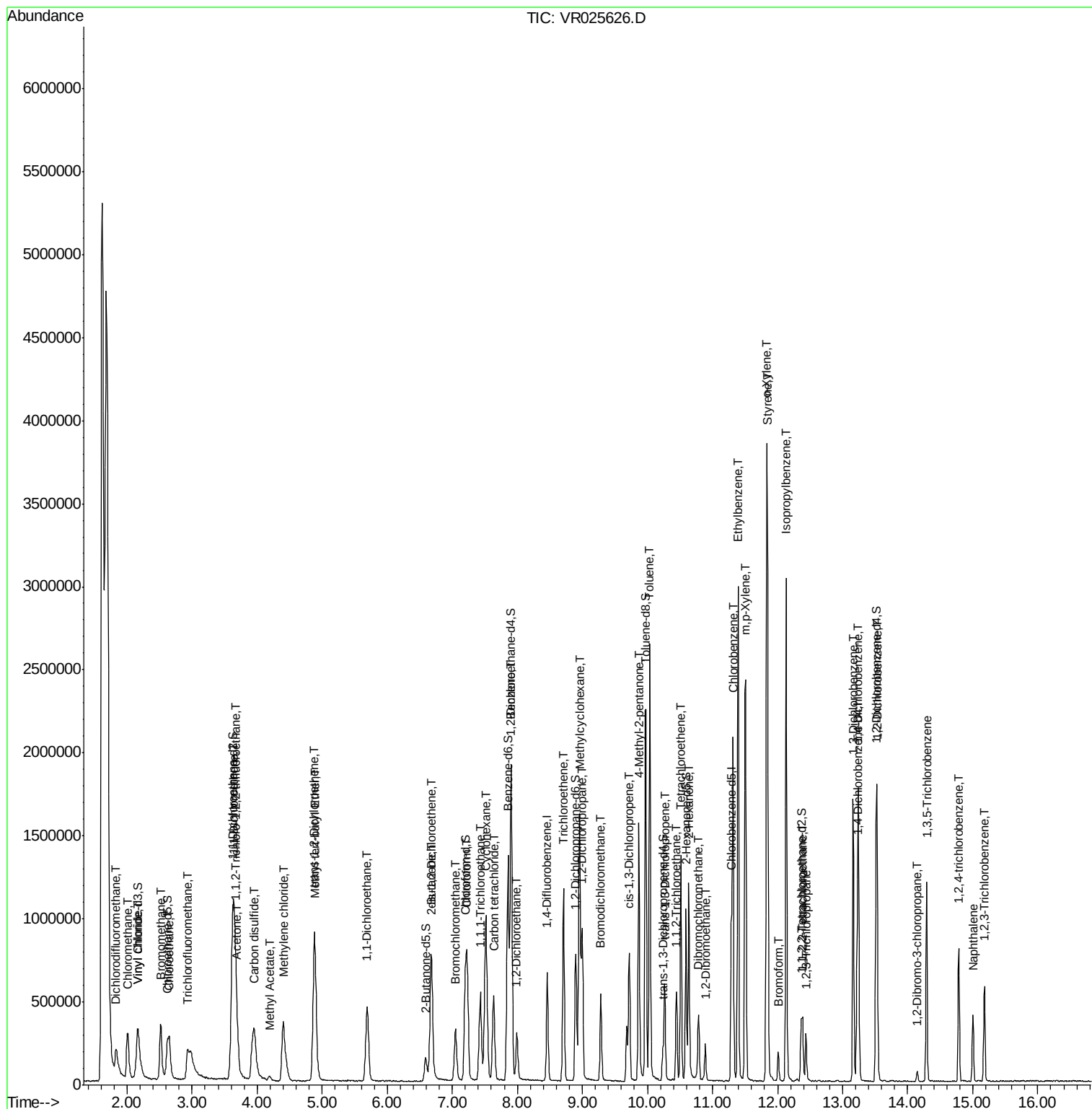
Quant Time: Aug 21 16:36:50 2018

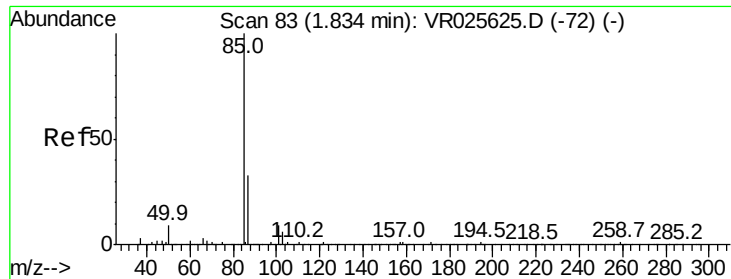
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_R\METHODS\SOMRTR082118WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 9.468 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

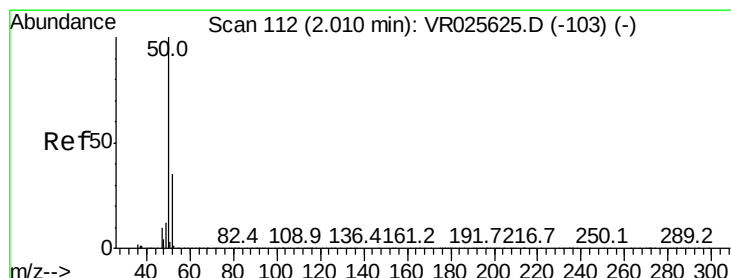
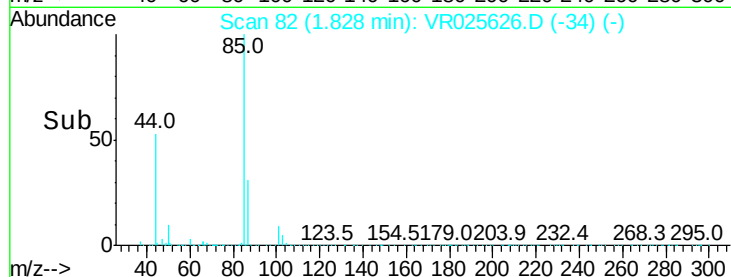
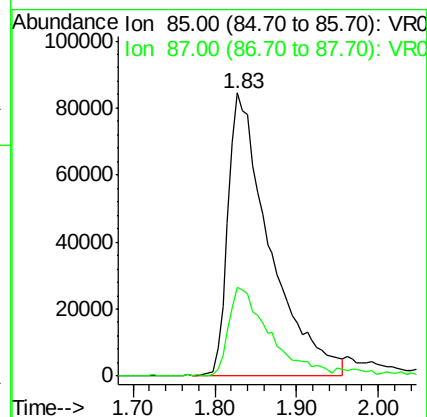
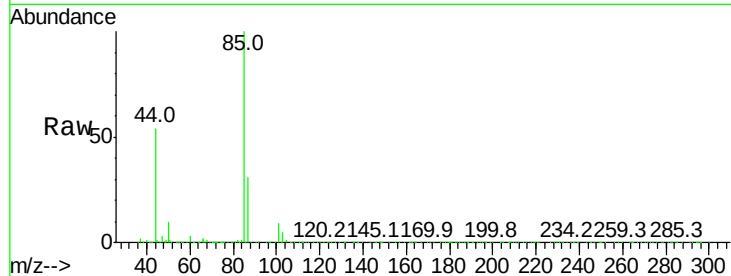
VSTD01084

Tgt Ion: 85 Resp: 297259

Ion Ratio Lower Upper

85 100

87 30.4 23.5 35.3



#3

Chloromethane

Concen: 9.372 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025626.D

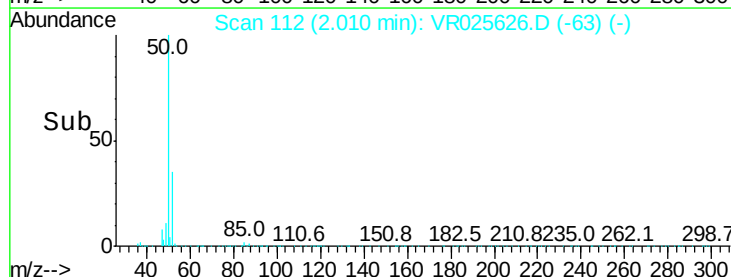
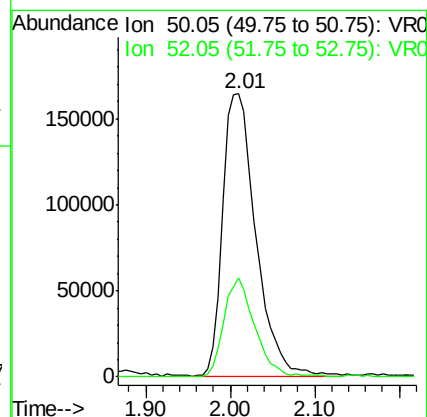
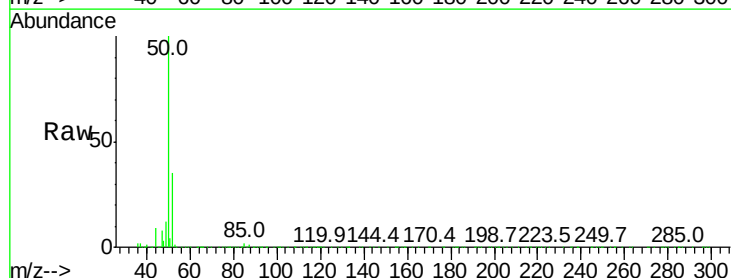
Acq: 21 Aug 2018 13:42

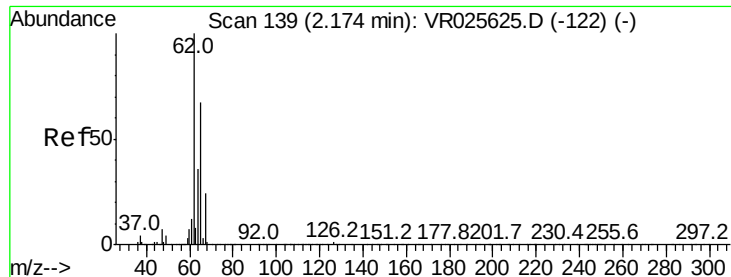
Tgt Ion: 50 Resp: 442975

Ion Ratio Lower Upper

50 100

52 34.9 24.2 45.0





#5

Vinyl chloride

Concen: 10.145 ug/L

RT: 2.17 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

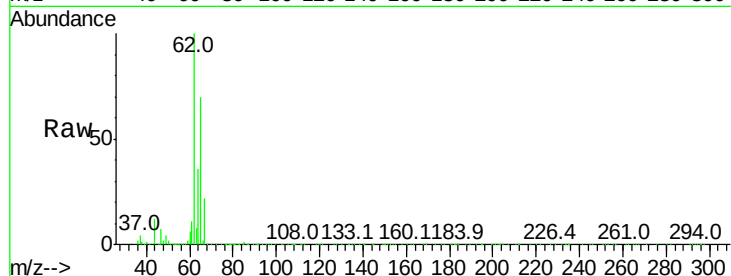
VSTD01084

Tgt Ion: 62 Resp: 431822

Ion Ratio Lower Upper

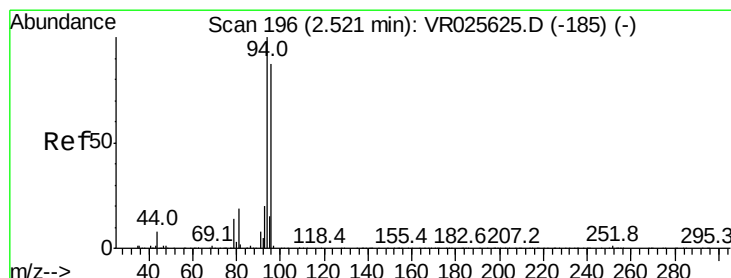
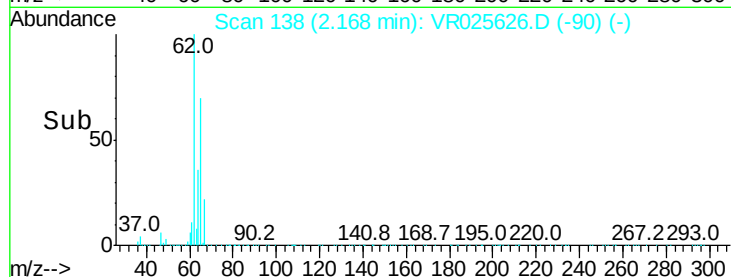
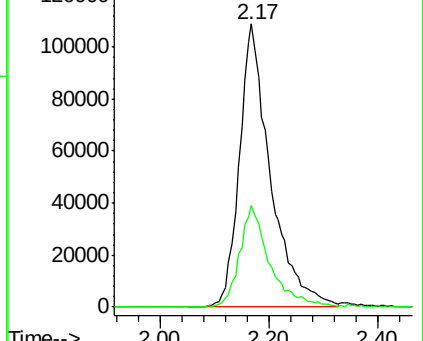
62 100

64 36.0 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 13.948 ug/L

RT: 2.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VR025626.D

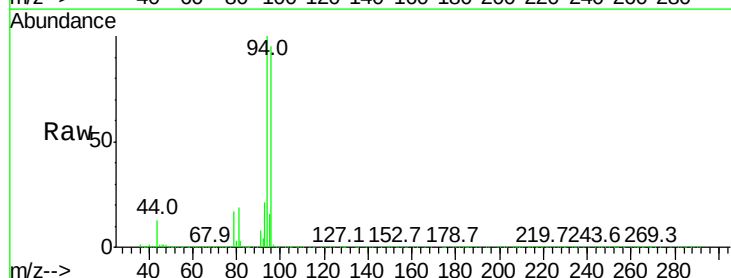
Acq: 21 Aug 2018 13:42

Tgt Ion: 94 Resp: 286702

Ion Ratio Lower Upper

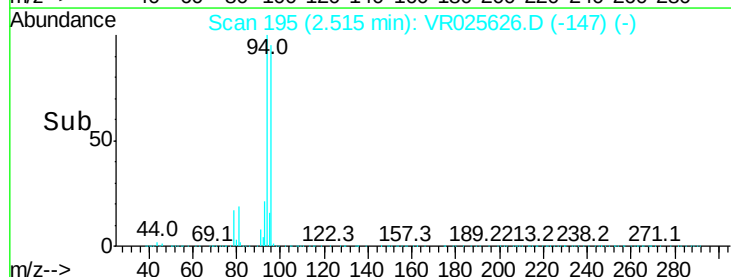
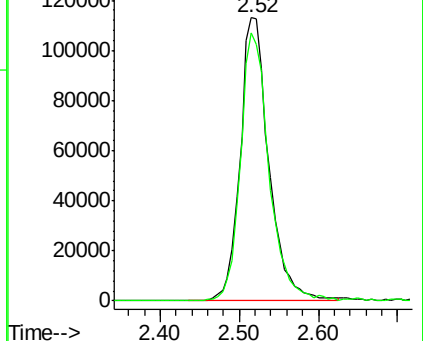
94 100

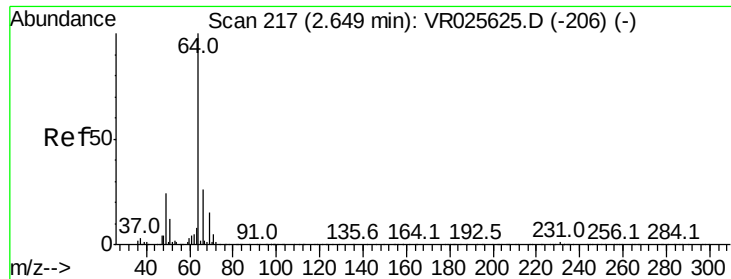
96 94.5 60.8 112.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

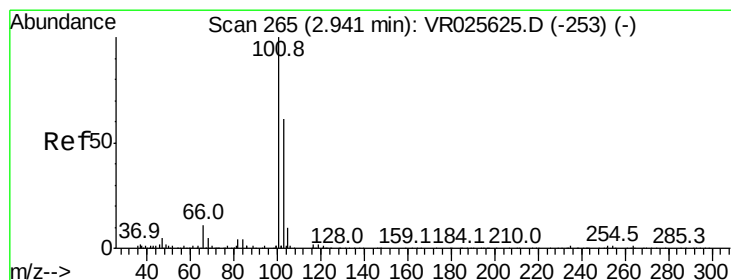
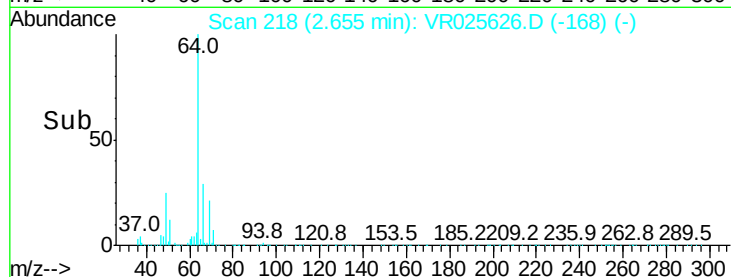
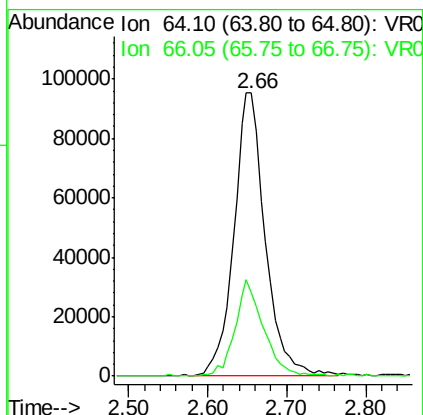
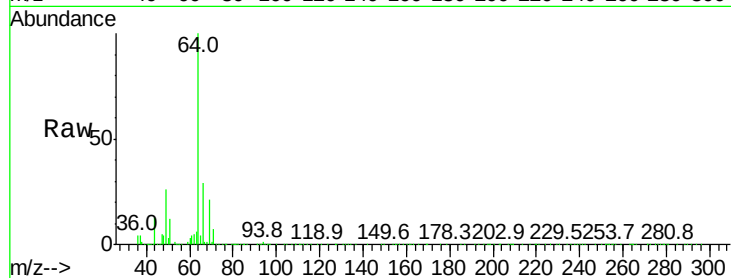




#8
 Chloroethane
 Concen: 11.672 ug/L
 RT: 2.66 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

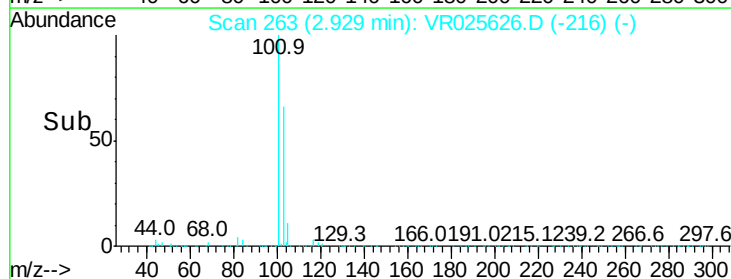
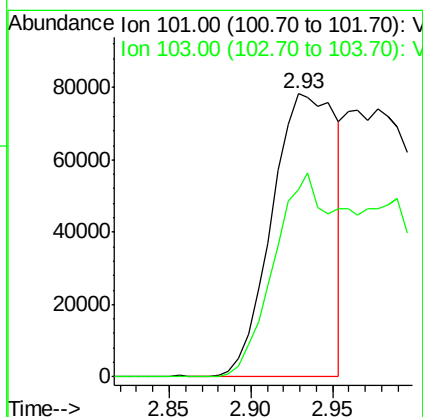
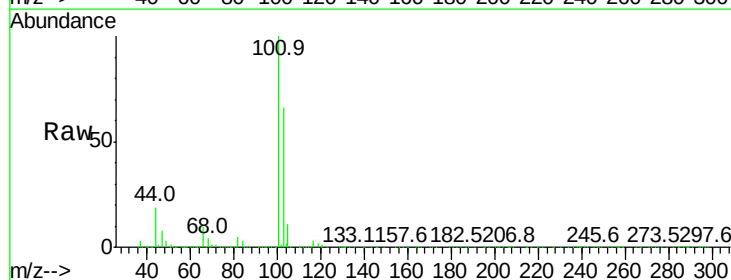
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

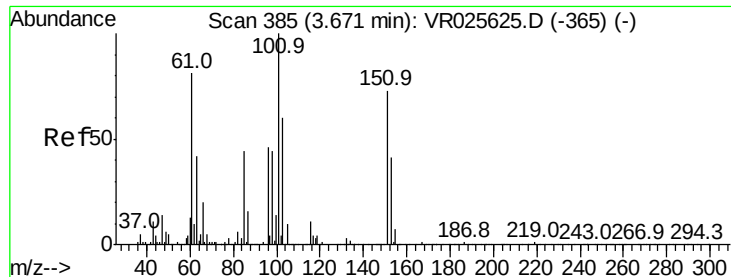
Tgt Ion: 64 Resp: 262398
 Ion Ratio Lower Upper
 64 100
 66 29.4 18.2 33.8



#9
 Trichlorofluoromethane
 Concen: 3.447 ug/L
 RT: 2.93 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

Tgt Ion: 101 Resp: 213235
 Ion Ratio Lower Upper
 101 100
 103 58.0 16.4 24.6#





#10

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

Concen: 9.323 ug/L

RT: 3.67 min Scan# 385

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

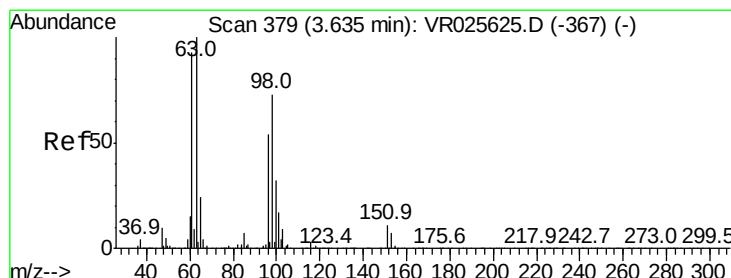
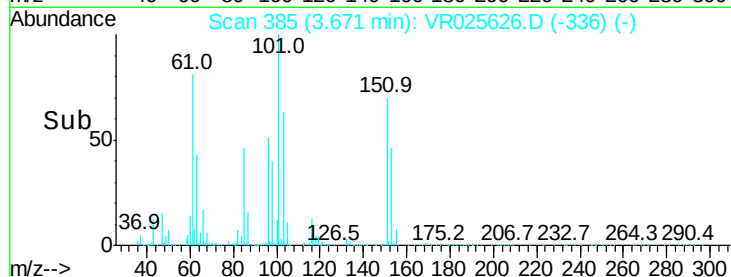
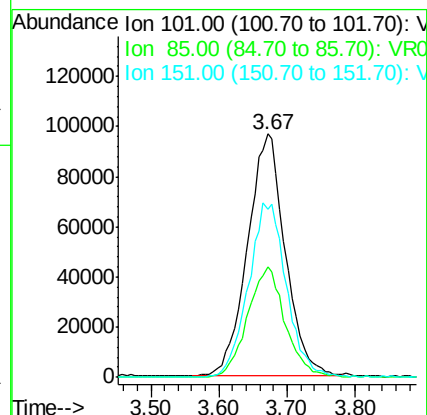
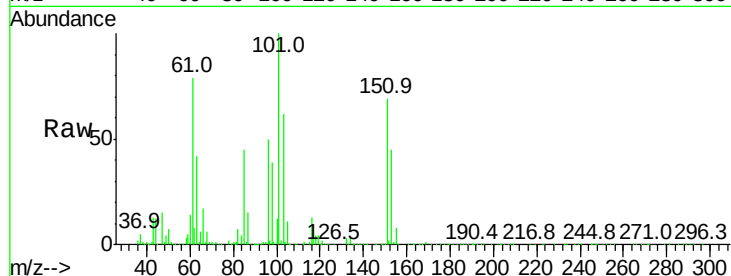
Tgt Ion: 101 Resp: 372970

Ion Ratio Lower Upper

101 100

85 45.0 35.6 53.4

151 72.7 59.1 88.7



#12

1,1-Dichloroethene

Concen: 9.279 ug/L

RT: 3.64 min Scan# 380

Delta R.T. 0.01 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

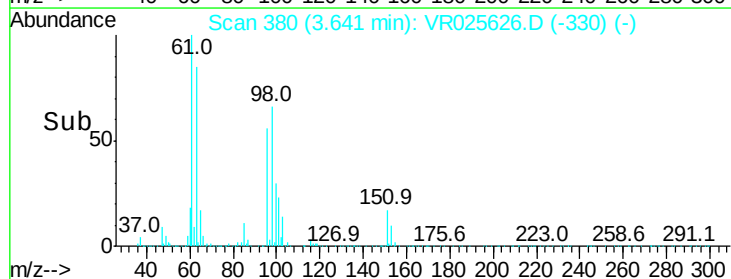
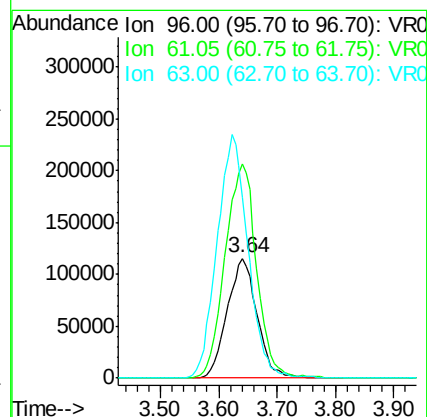
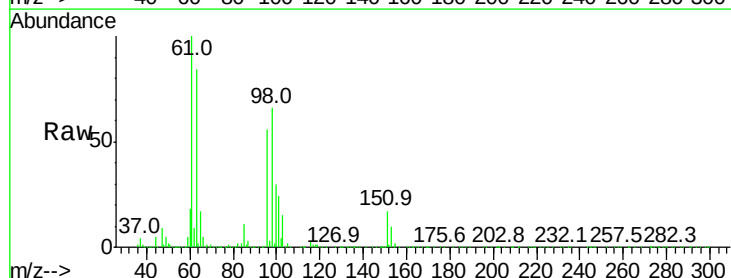
Tgt Ion: 96 Resp: 410532

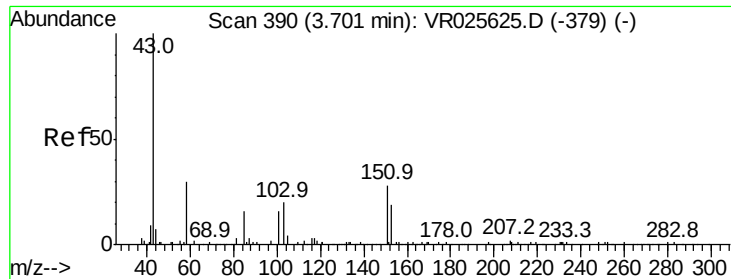
Ion Ratio Lower Upper

96 100

61 178.2 119.8 222.6

63 150.6 131.1 243.5

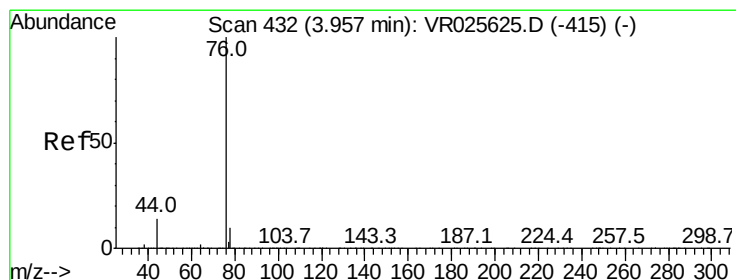
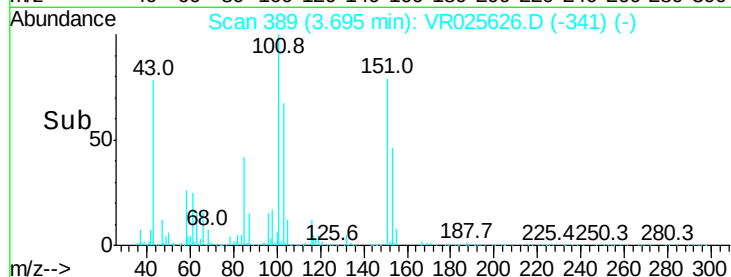
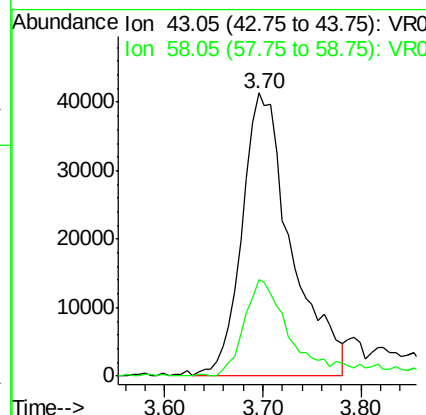
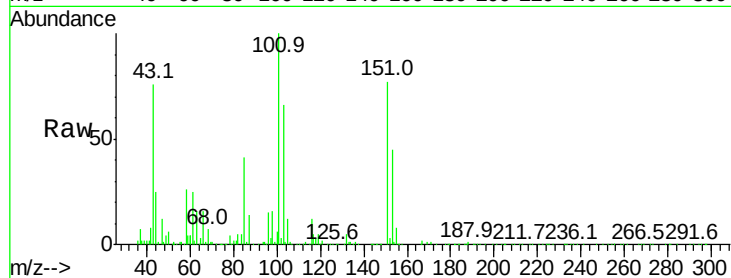




#13
Acetone
Concen: 40.381 ug/L
RT: 3.70 min Scan# 389
Delta R.T. -0.01 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

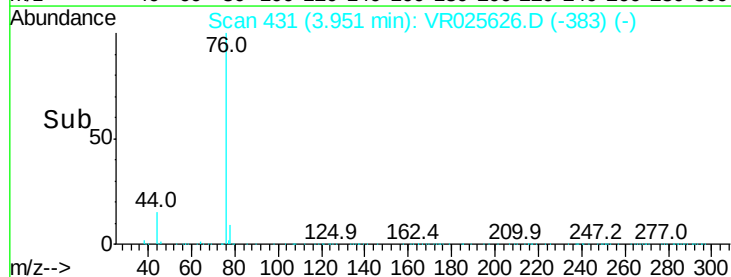
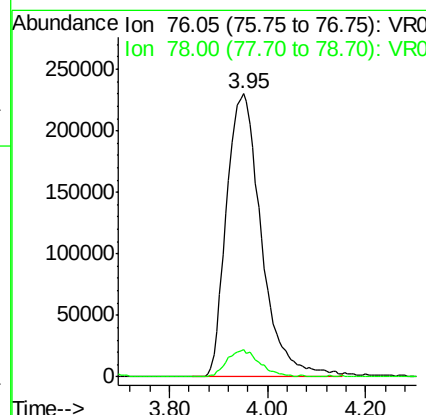
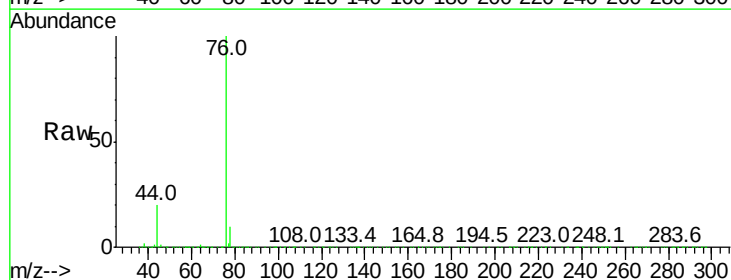
Instrument :
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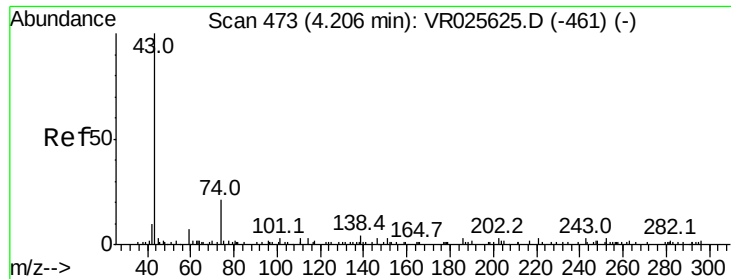
Tgt Ion: 43 Resp: 144740
Ion Ratio Lower Upper
43 100
58 29.8 0.0 63.4



#14
Carbon disulfide
Concen: 12.499 ug/L
RT: 3.95 min Scan# 431
Delta R.T. -0.01 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion: 76 Resp: 1140718
Ion Ratio Lower Upper
76 100
78 9.6 8.1 12.1

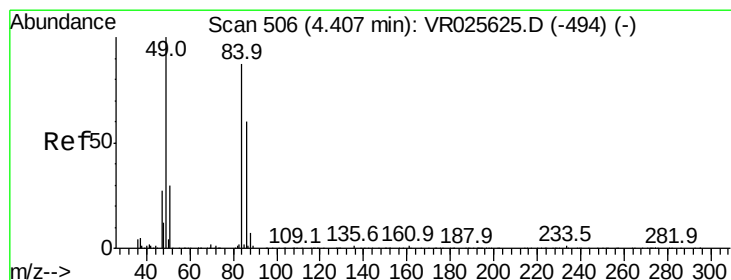
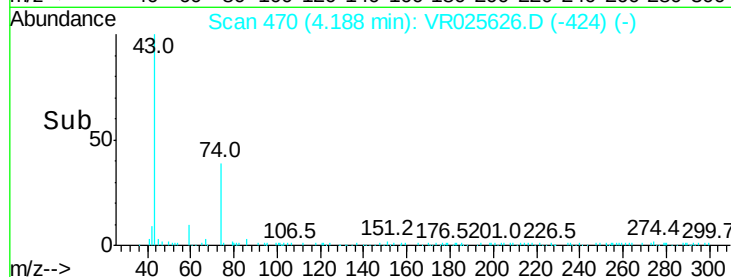
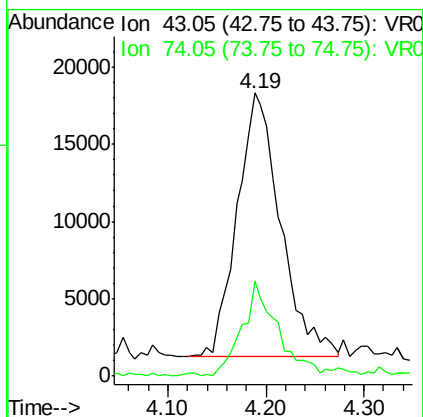
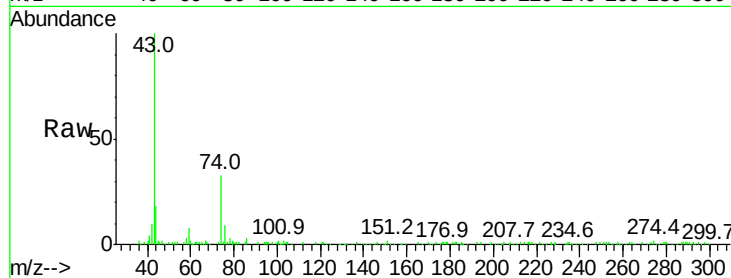




#15
Methyl Acetate
Concen: 5.562 ug/L
RT: 4.19 min Scan# 470
Delta R.T. -0.02 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

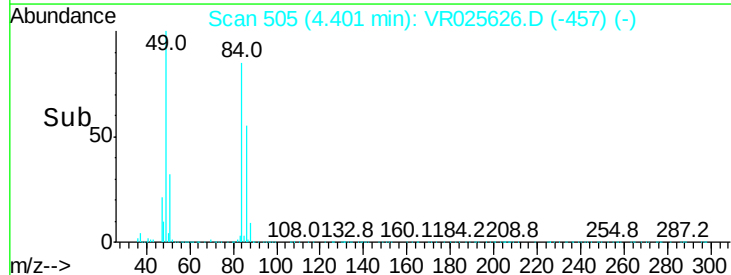
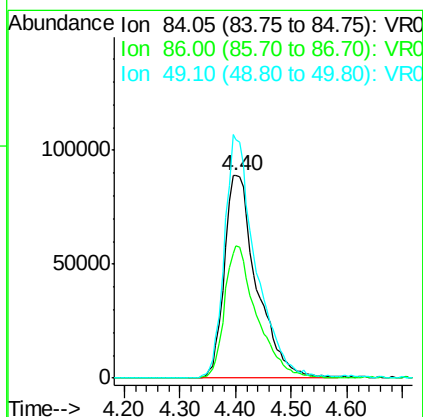
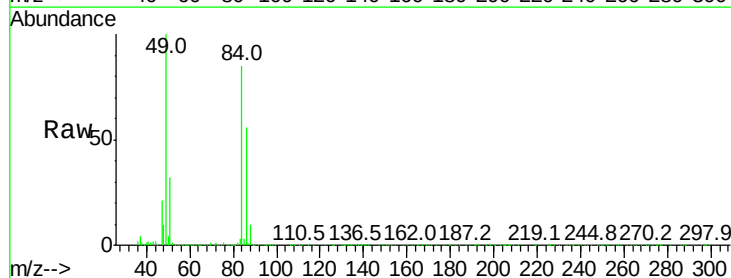
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

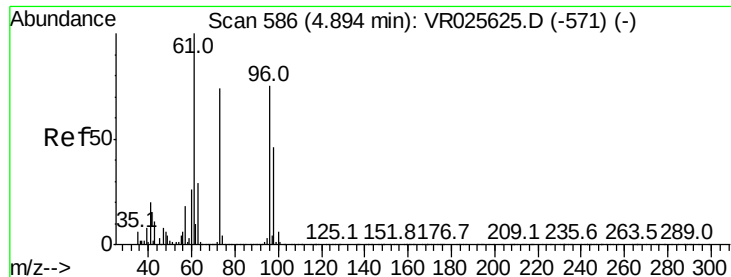
Tgt Ion: 43 Resp: 52449
Ion Ratio Lower Upper
43 100
74 29.9 19.8 29.6#



#16
Methylene chloride
Concen: 8.769 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion: 84 Resp: 359230
Ion Ratio Lower Upper
84 100
86 65.4 47.9 88.9
49 117.8 80.3 149.1

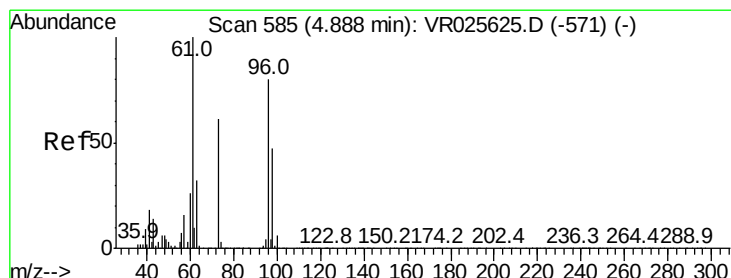
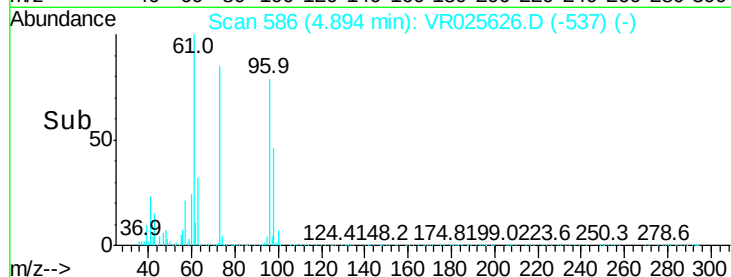
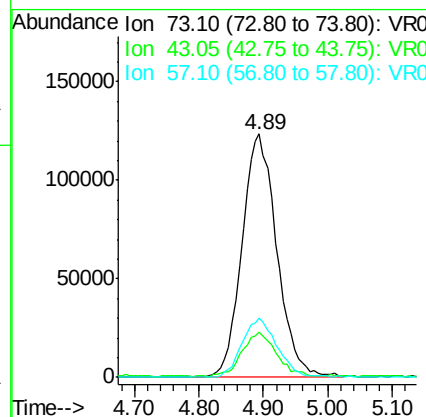
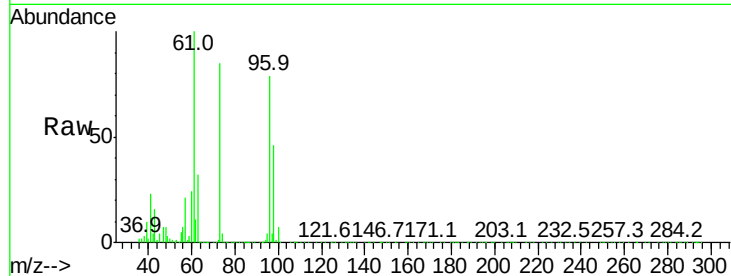




#17
Methyl tert-butyl Ether
Concen: 9.885 ug/L
RT: 4.89 min Scan# 586
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

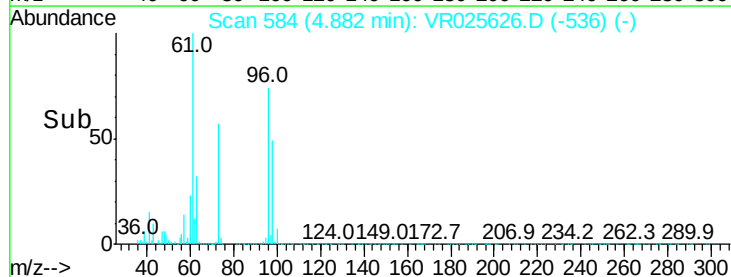
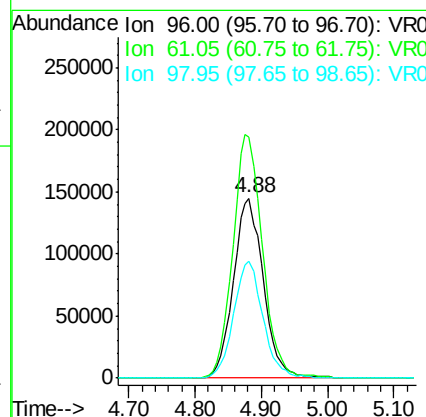
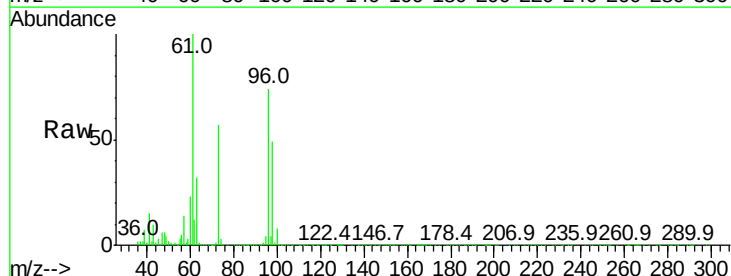
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

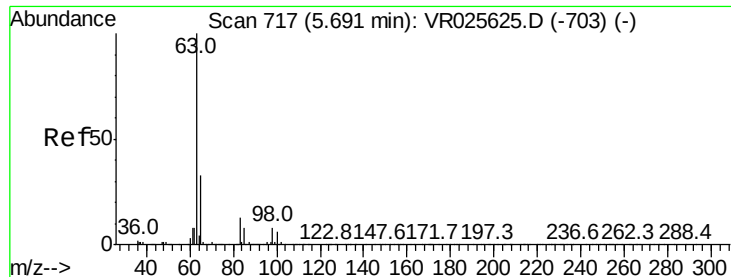
Tgt Ion: 73 Resp: 459621
Ion Ratio Lower Upper
73 100
43 17.8 14.8 22.2
57 24.7 19.9 29.9



#18
trans-1,2-Dichloroethene
Concen: 10.844 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion: 96 Resp: 452527
Ion Ratio Lower Upper
96 100
61 134.3 87.5 162.5
98 65.2 41.1 76.3

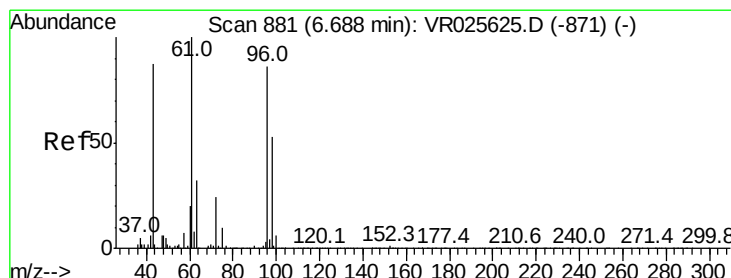
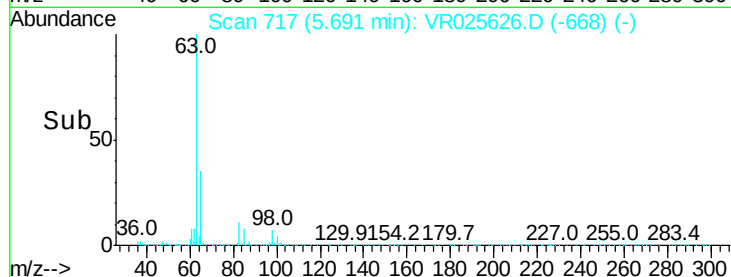
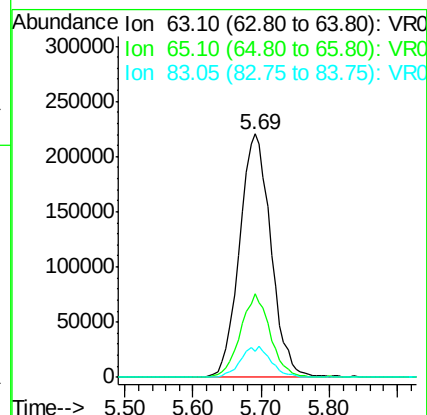
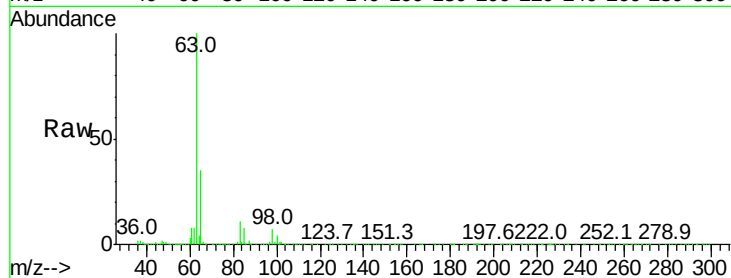




#19
 1,1-Dichloroethane
 Concen: 11.871 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

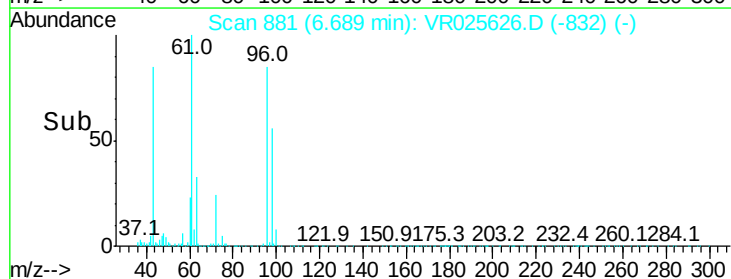
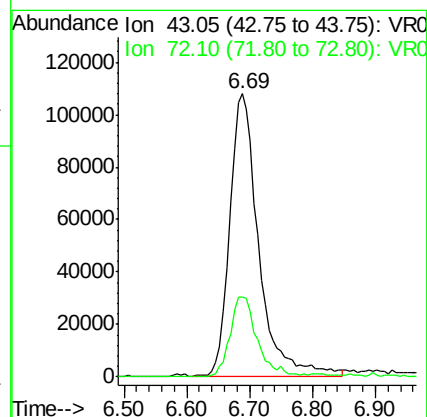
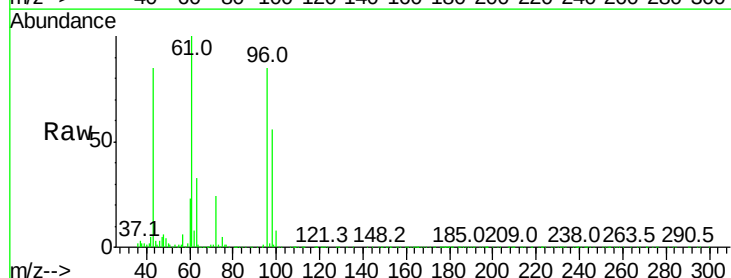
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

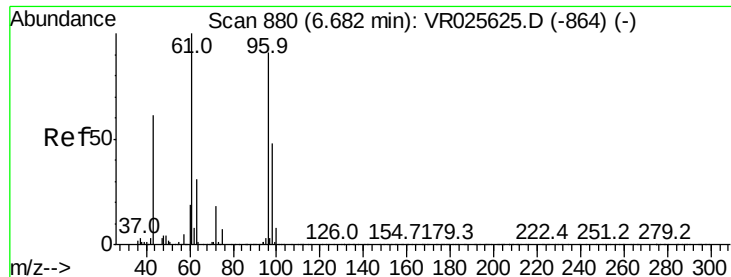
Tgt Ion: 63 Resp: 704970
 Ion Ratio Lower Upper
 63 100
 65 34.6 22.9 42.5
 83 10.8 9.1 16.9



#21
 2-Butanone
 Concen: 78.554 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

Tgt Ion: 43 Resp: 342322
 Ion Ratio Lower Upper
 43 100
 72 27.2 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 11.261 ug/L

RT: 6.67 min Scan# 878

Delta R.T. -0.01 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

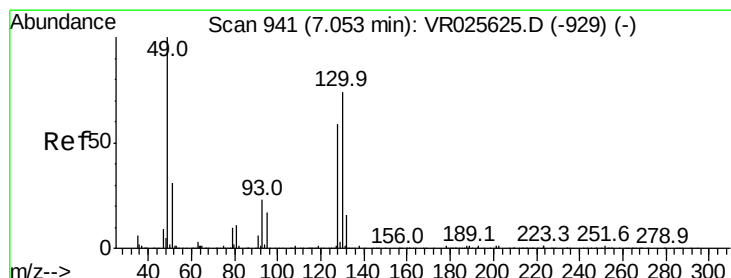
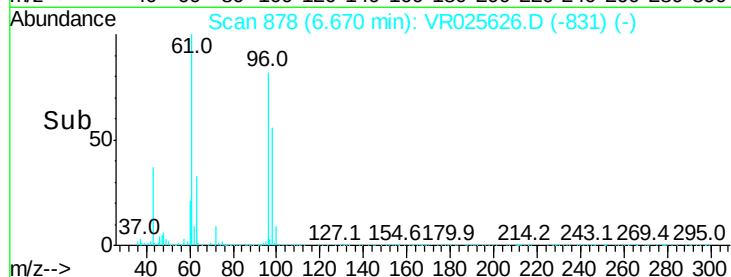
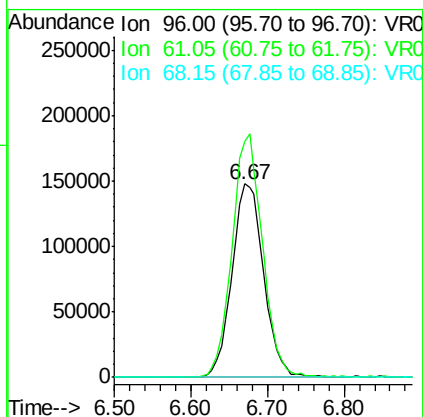
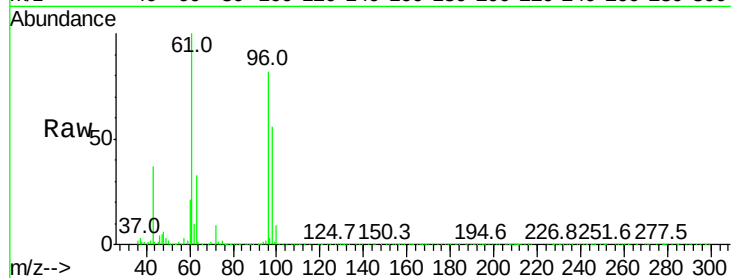
Tgt Ion: 96 Resp: 422953

Ion Ratio Lower Upper

96 100

61 122.0 76.7 142.5

68 0.1 0.1 0.3#



#23

Bromochloromethane

Concen: 8.451 ug/L

RT: 7.05 min Scan# 941

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Tgt Ion: 128 Resp: 120549

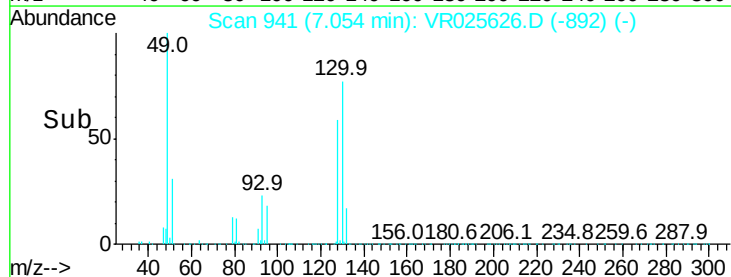
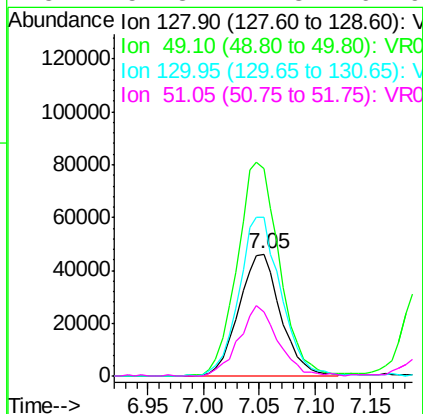
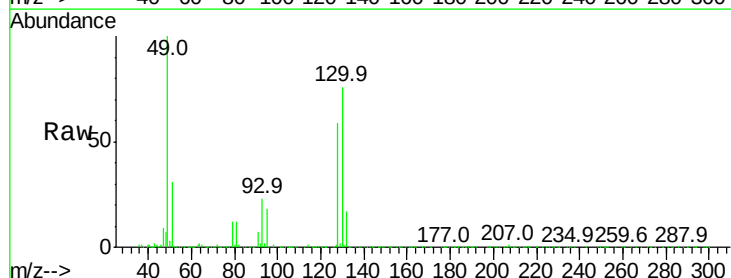
Ion Ratio Lower Upper

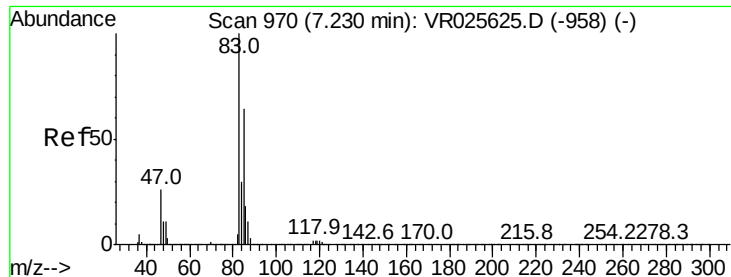
128 100

49 170.4 118.1 219.3

130 130.2 87.6 162.6

51 52.3 41.3 61.9

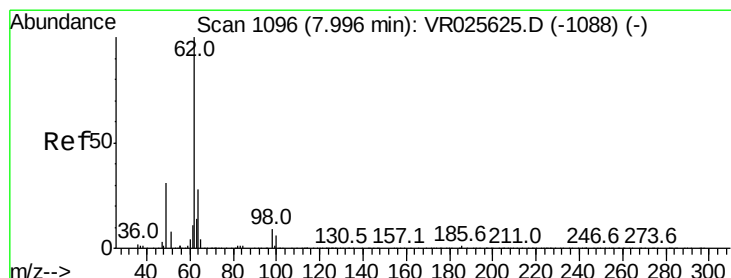
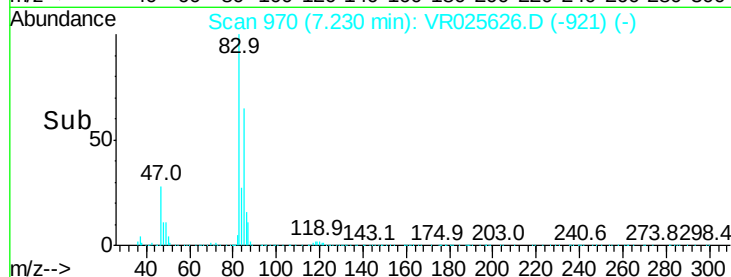
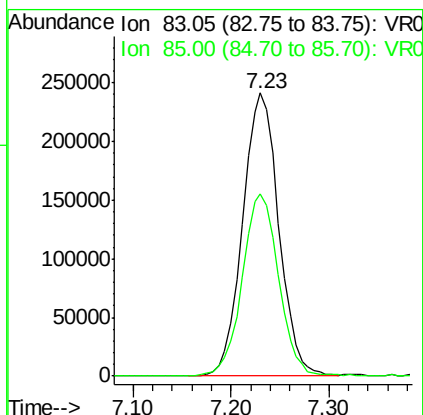
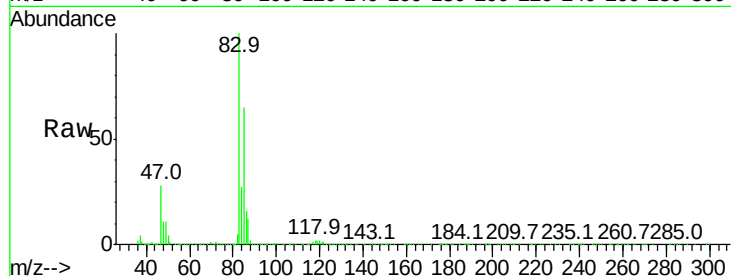




#25
Chloroform
Concen: 9.909 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

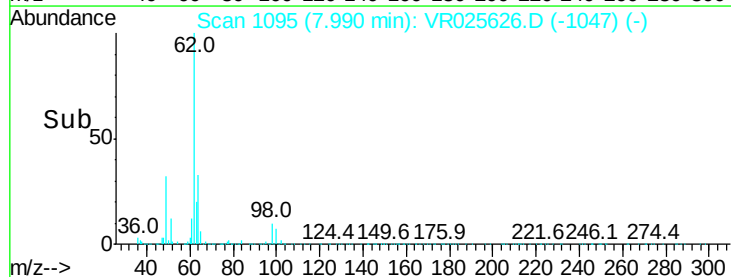
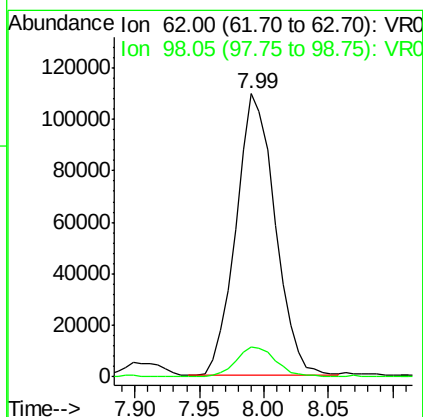
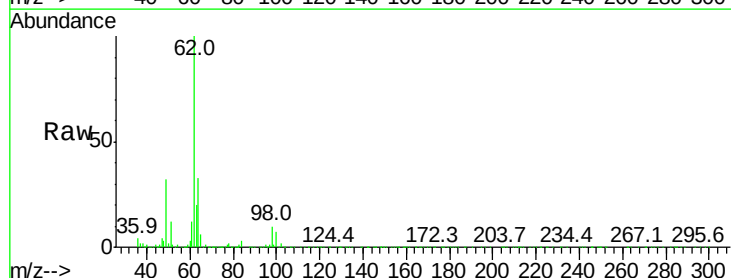
Instrument :
MSVOA_R
ClientSampled :
VSTD01084

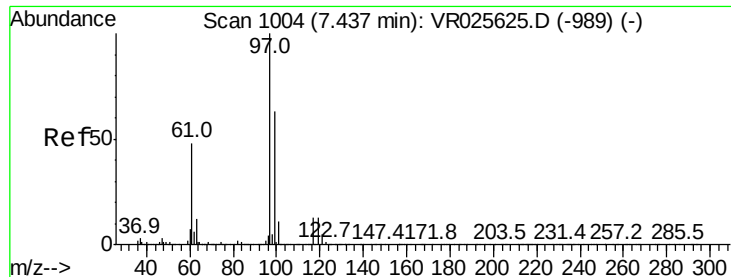
Tgt Ion: 83 Resp: 616451
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 9.197 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion: 62 Resp: 231123
Ion Ratio Lower Upper
62 100
98 10.4 7.1 10.7

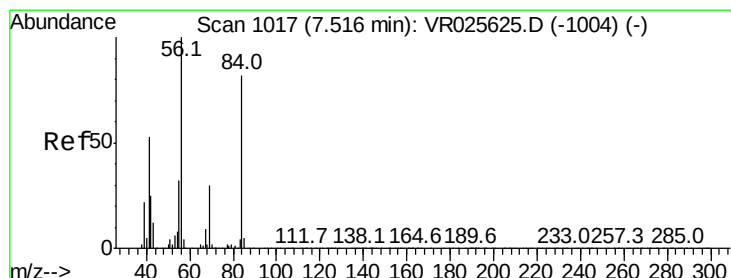
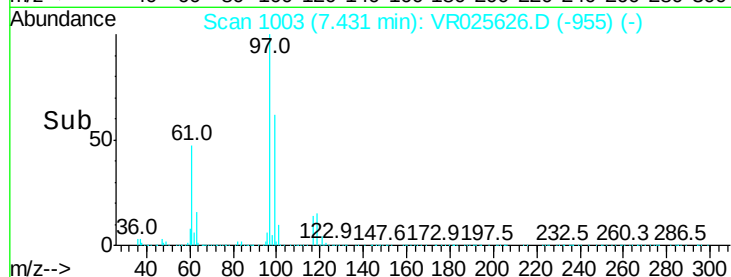
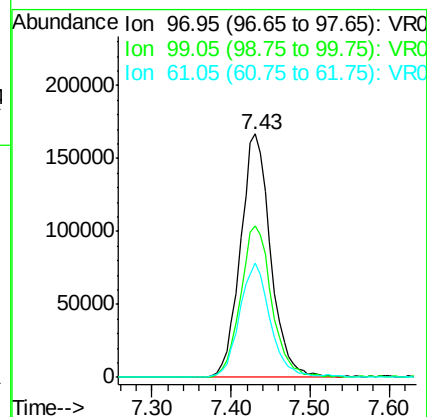
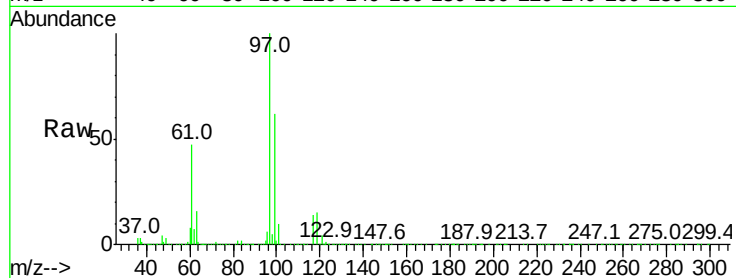




#29
1,1,1-Trichloroethane
Concen: 11.374 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

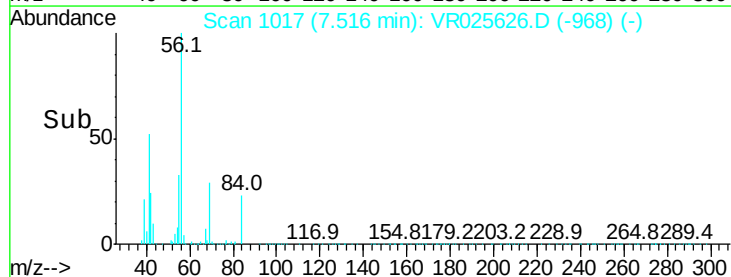
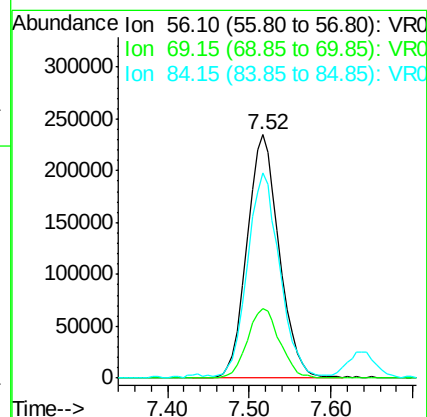
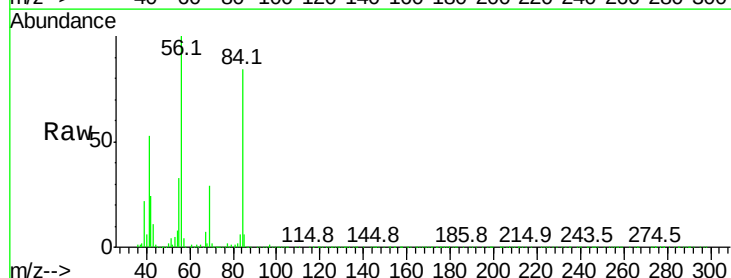
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

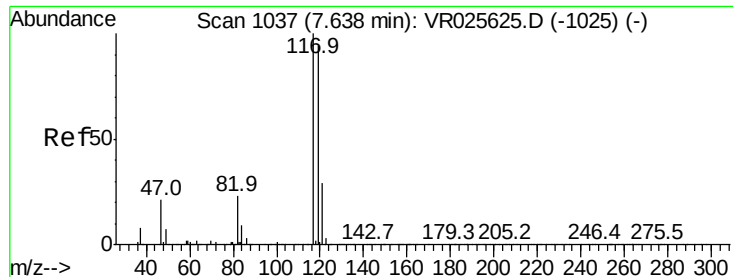
Tgt Ion: 97 Resp: 442306
Ion Ratio Lower Upper
97 100
99 64.4 52.6 79.0
61 47.6 39.6 59.4



#30
Cyclohexane
Concen: 16.704 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion: 56 Resp: 640106
Ion Ratio Lower Upper
56 100
69 29.0 23.8 35.8
84 85.2 68.2 102.4





#31

Carbon tetrachloride

Concen: 9.445 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

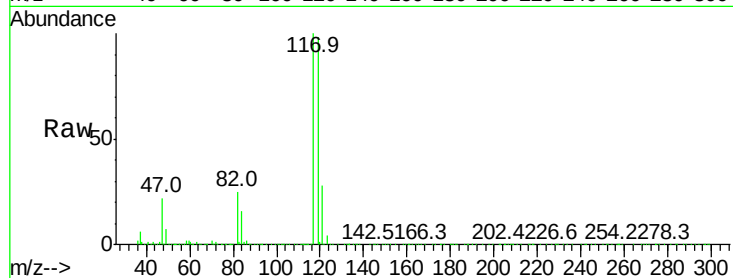
VSTD01084

Tgt Ion:117 Resp: 386028

Ion Ratio Lower Upper

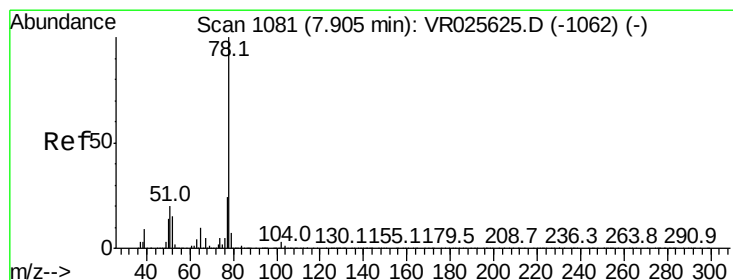
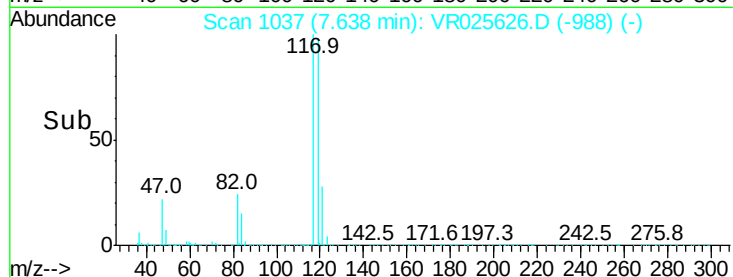
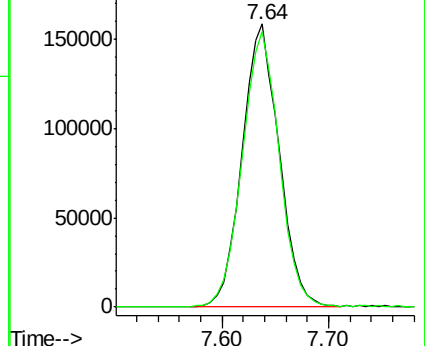
117 100

119 97.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 12.212 ug/L

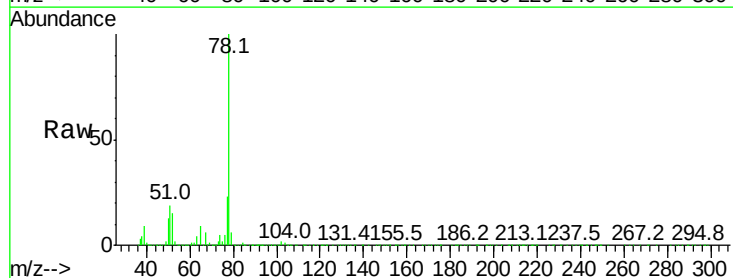
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

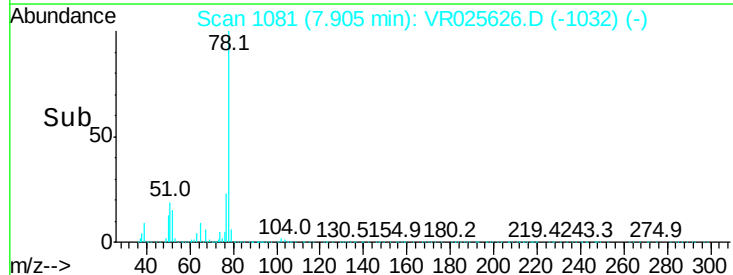
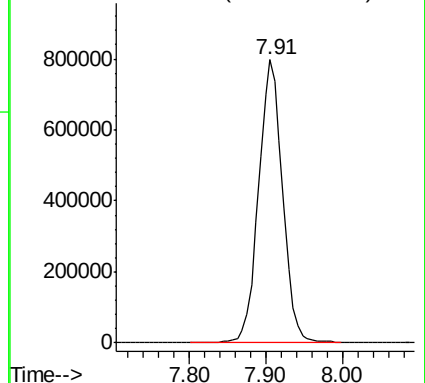
Lab File: VR025626.D

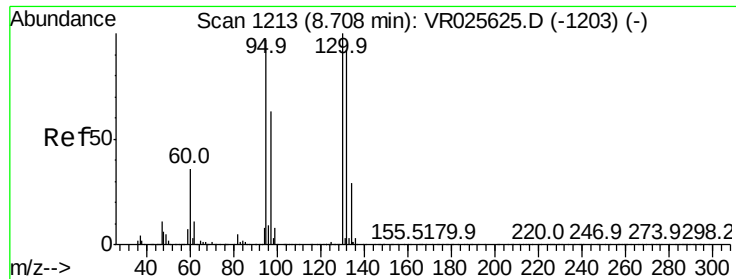
Acq: 21 Aug 2018 13:42

Tgt Ion: 78 Resp: 1746795



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 11.446 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 95 Resp: 388367

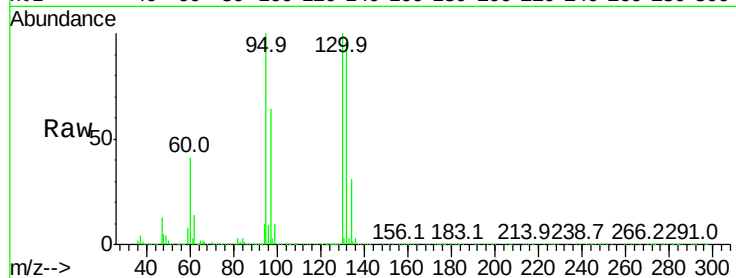
Ion Ratio Lower Upper

95 100

97 64.3 45.7 84.9

132 96.4 66.6 123.6

130 100.2 72.2 134.0

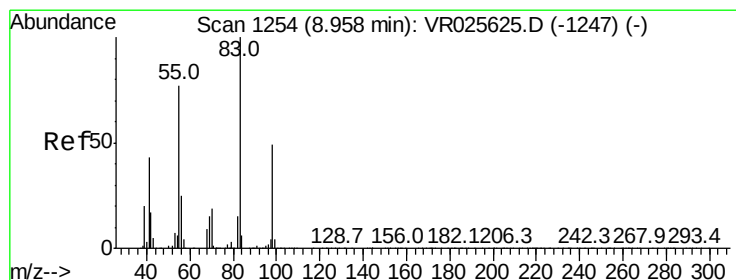
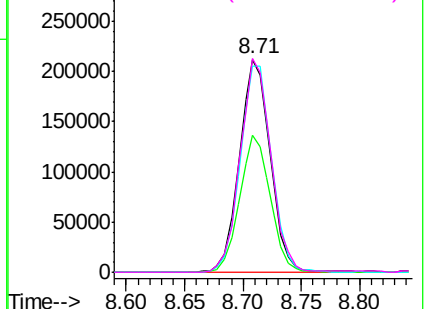
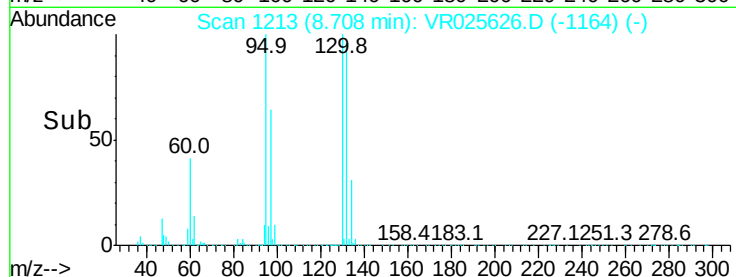


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 14.784 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

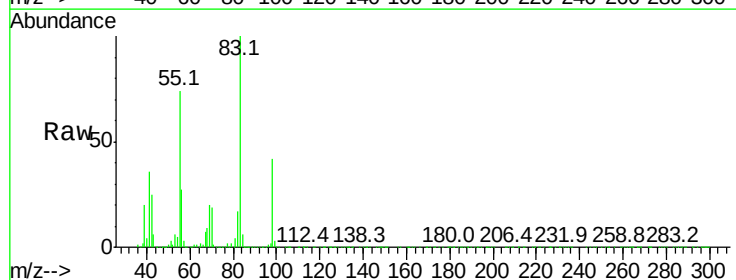
Tgt Ion: 83 Resp: 680843

Ion Ratio Lower Upper

83 100

55 72.4 56.7 85.1

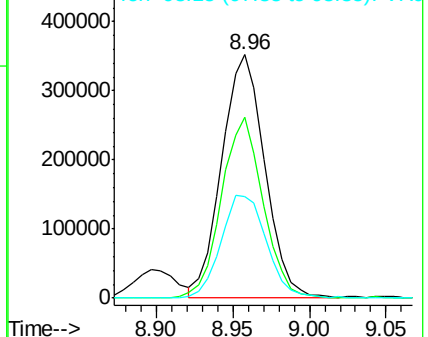
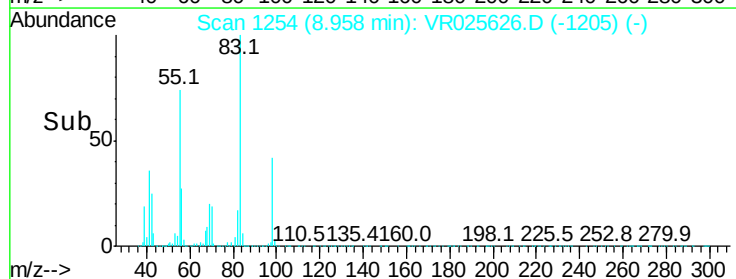
98 44.6 35.8 53.8

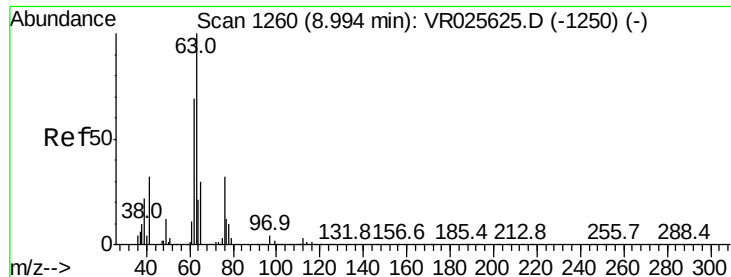


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 11.128 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

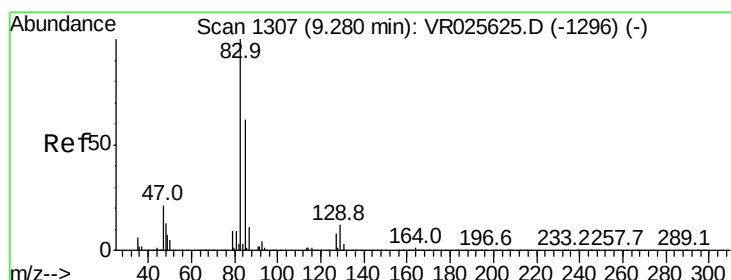
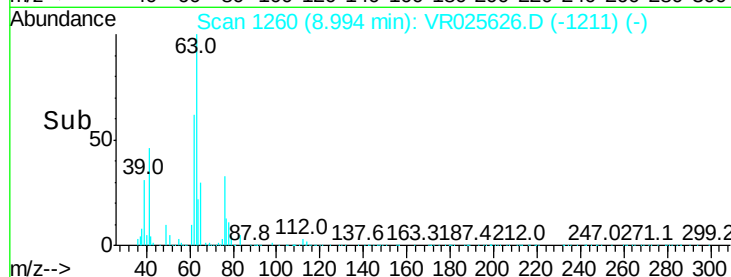
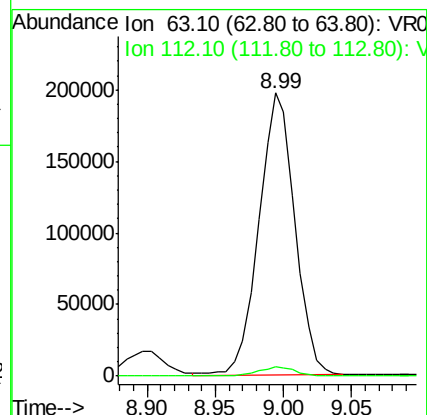
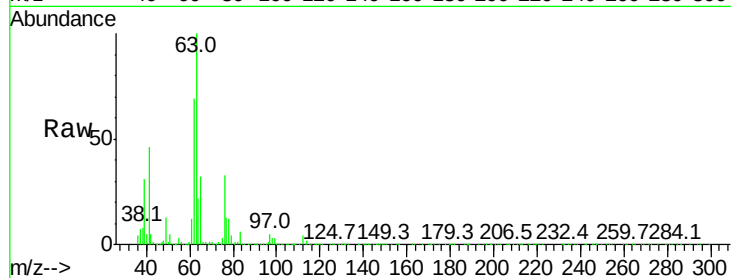
Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Tgt Ion: 63 Resp: 363828

Ion	Ratio	Lower	Upper
63	100		
112	3.3	2.5	3.7



#38

Bromodichloromethane

Concen: 9.976 ug/L

RT: 9.28 min Scan# 1307

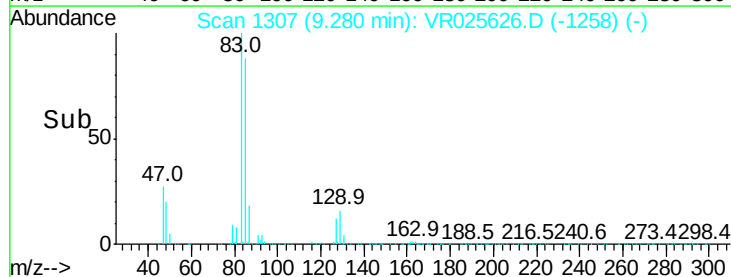
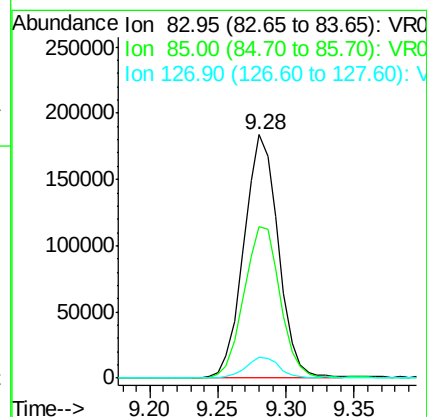
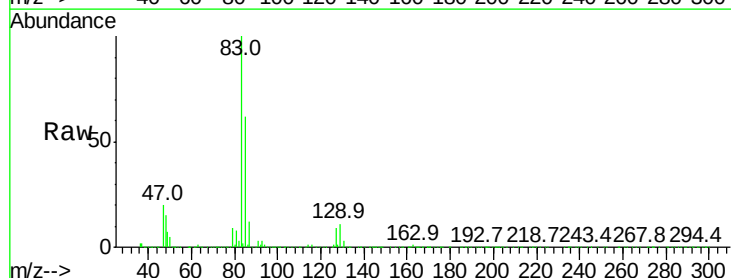
Delta R.T. 0.00 min

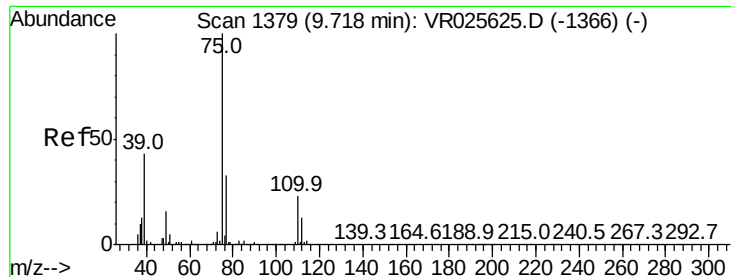
Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Tgt Ion: 83 Resp: 324621

Ion	Ratio	Lower	Upper
83	100		
85	62.0	43.2	80.2
127	8.6	6.4	9.6





#39

cis-1,3-Dichloropropene

Concen: 13.290 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

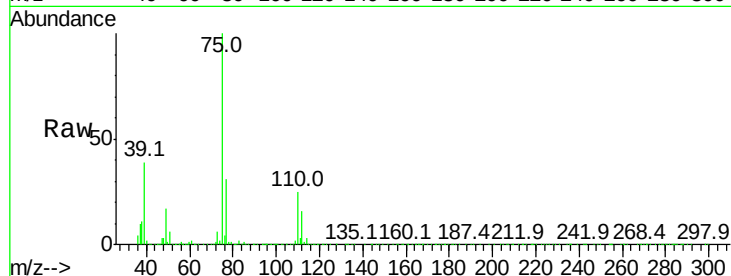
VSTD01084

Tgt Ion: 75 Resp: 428201

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

250000

200000

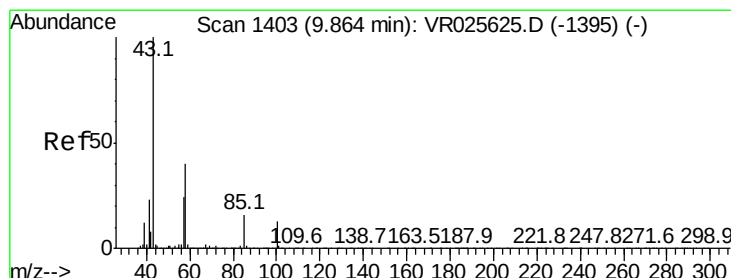
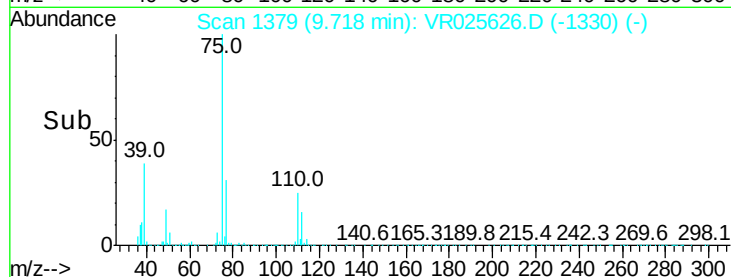
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 103.767 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

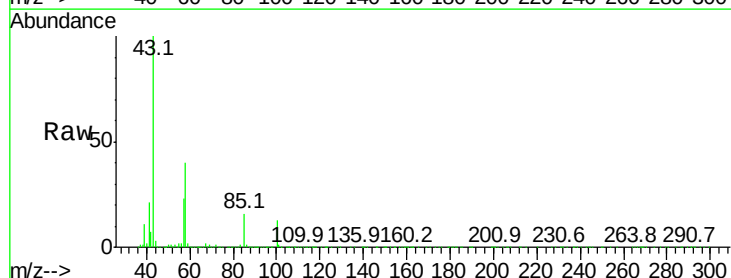
Tgt Ion: 43 Resp: 1019687

Ion Ratio Lower Upper

43 100

58 39.5 31.4 47.2

100 13.8 11.5 17.3



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

9.86

800000

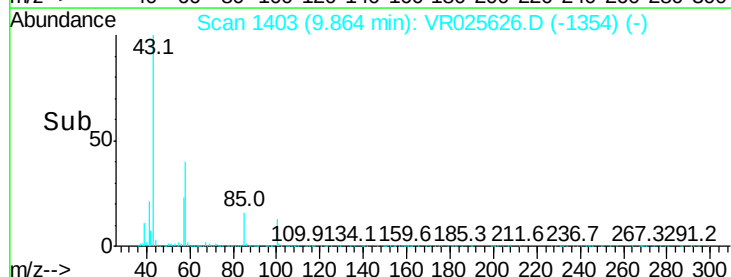
600000

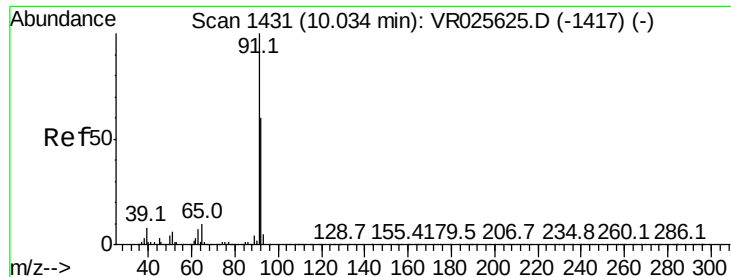
400000

200000

0

Time-->





#42

Toluene

Concen: 11.380 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampled :

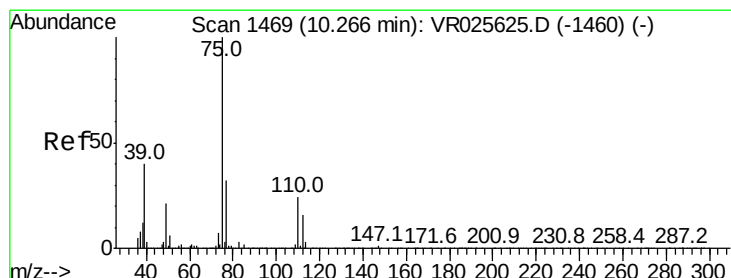
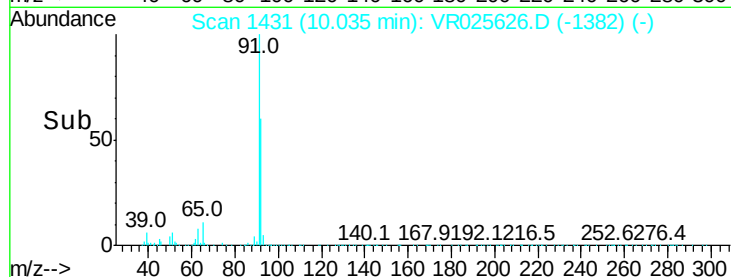
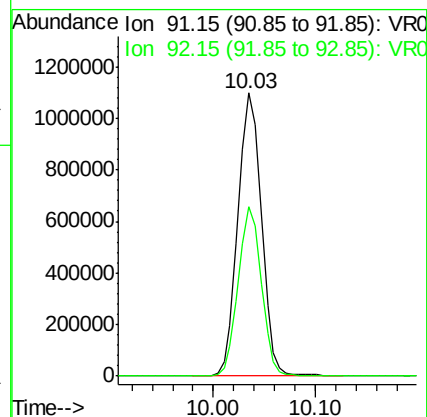
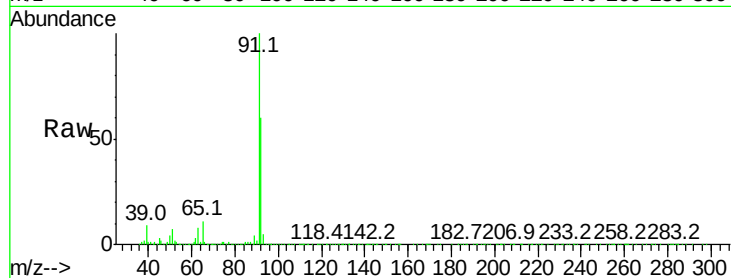
VSTD01084

Tgt Ion: 91 Resp: 1754572

Ion Ratio Lower Upper

91 100

92 60.1 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 12.569 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025626.D

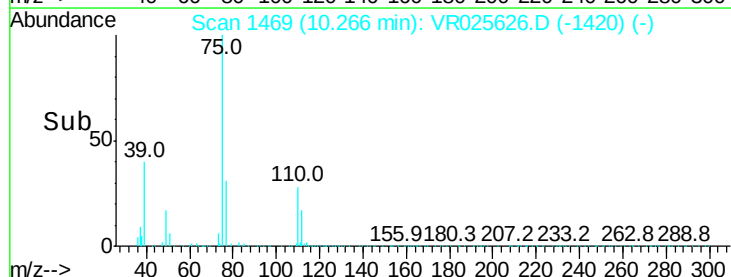
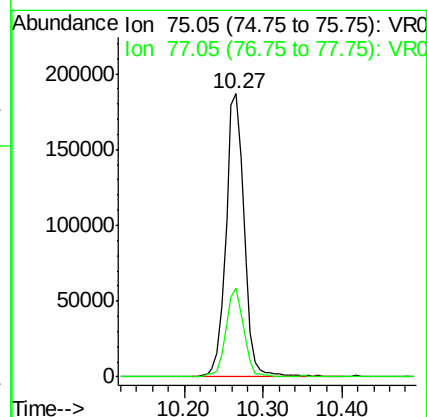
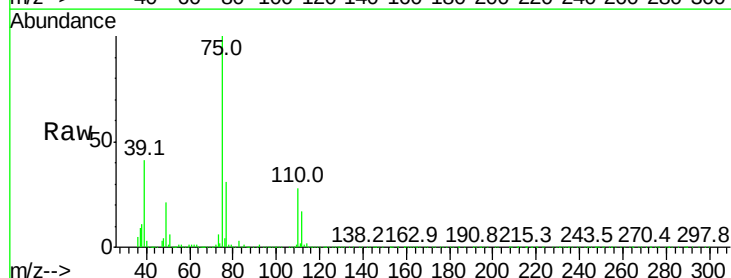
Acq: 21 Aug 2018 13:42

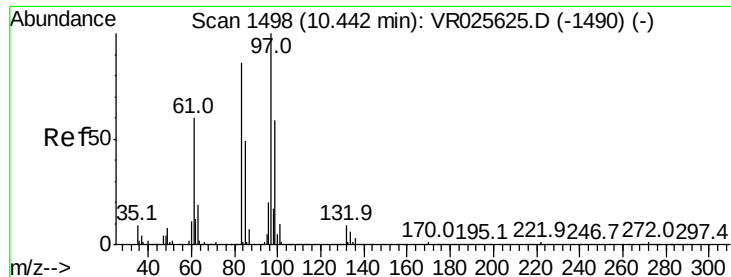
Tgt Ion: 75 Resp: 300515

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 9.360 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 97 Resp: 161998

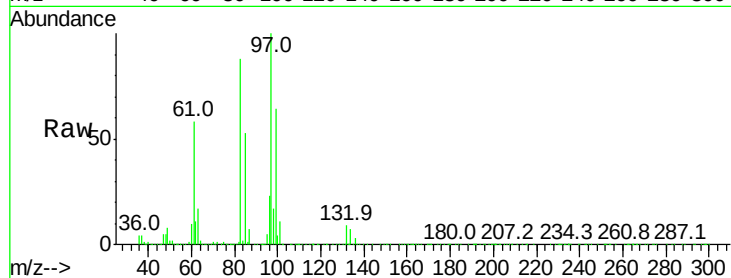
Ion Ratio Lower Upper

97 100

99 63.6 41.2 76.6

83 87.6 60.1 111.7

85 52.6 34.3 63.7

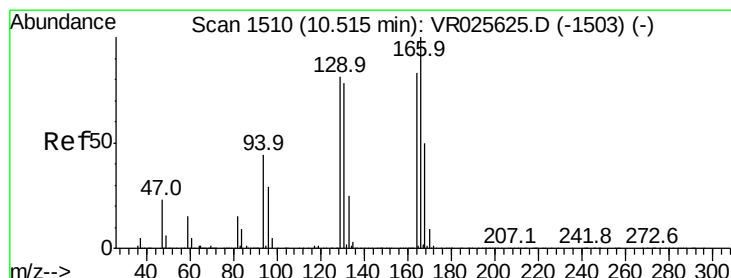
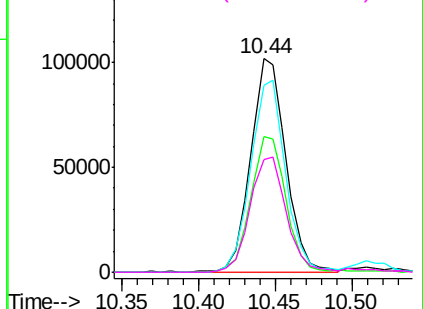
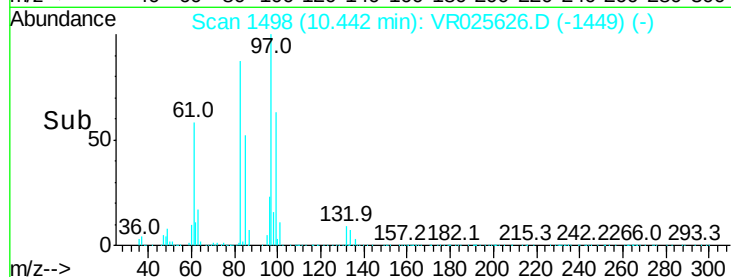


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 9.705 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Tgt Ion: 164 Resp: 290880

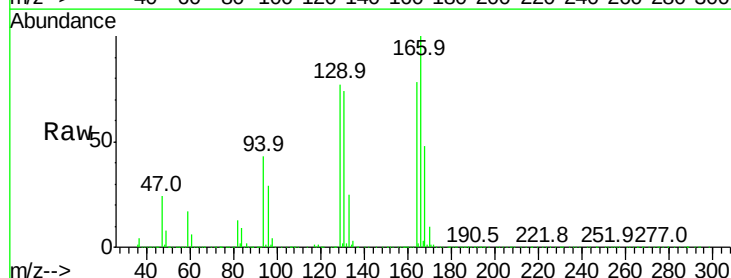
Ion Ratio Lower Upper

164 100

129 98.7 68.7 127.5

131 93.9 66.4 123.4

166 127.4 84.6 157.0

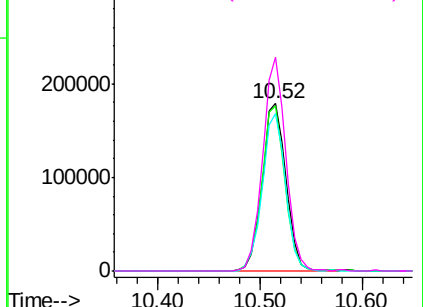
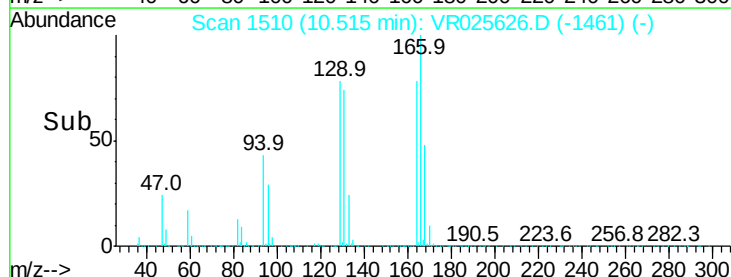


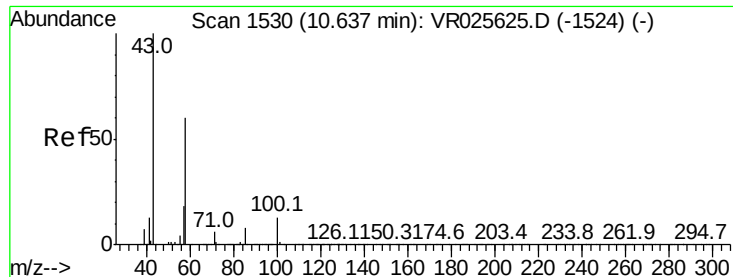
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

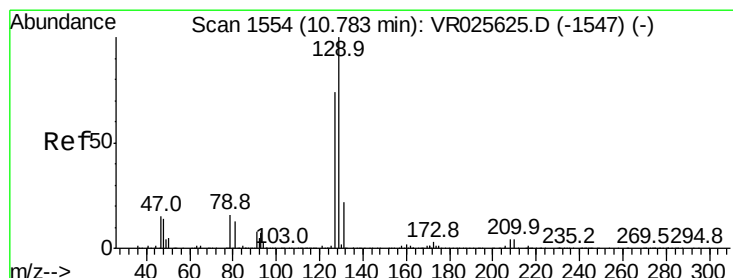
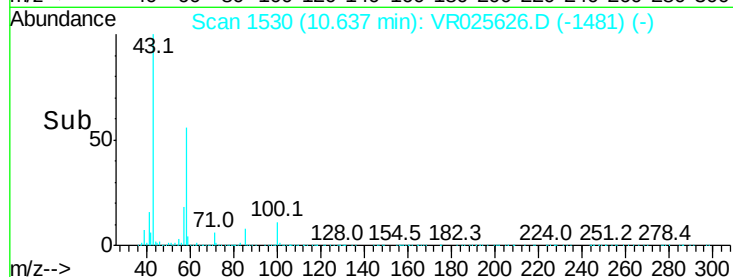
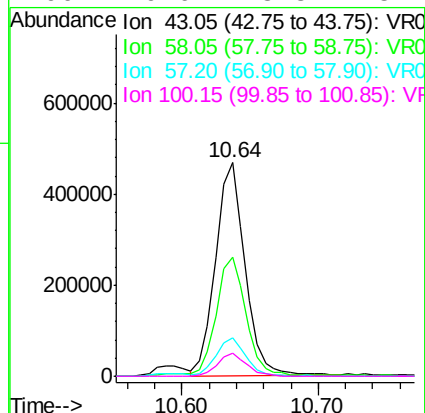
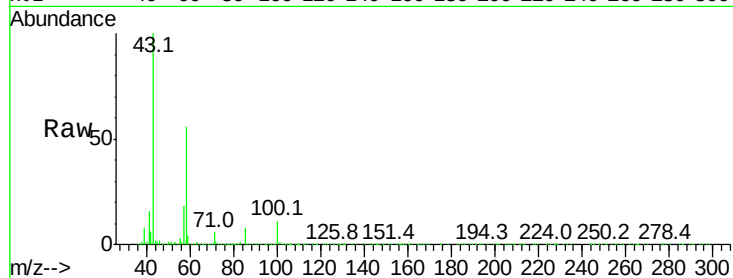




#48
2-Hexanone
Concen: 100.995 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

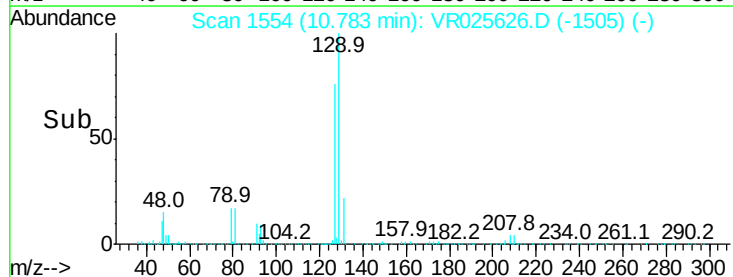
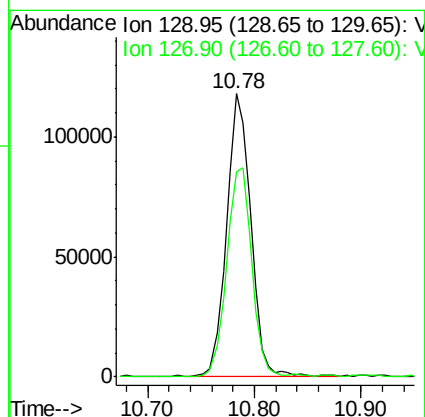
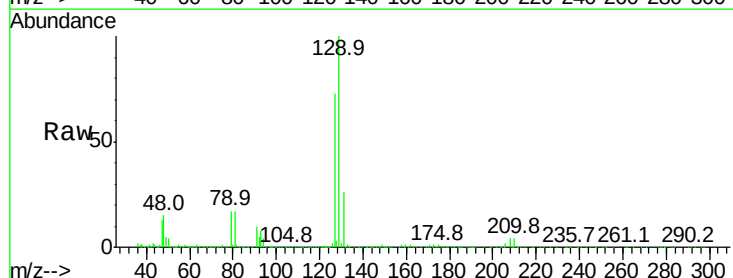
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

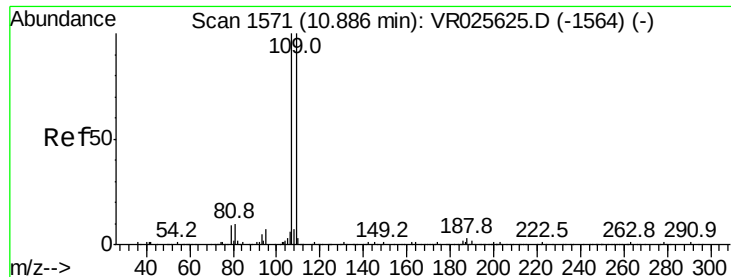
Tgt Ion:	43	Resp:	695875
Ion	Ratio	Lower	Upper
43	100		
58	59.1	46.4	69.6
57	18.0	14.3	21.5
100	10.6	8.8	13.2



#49
Dibromochloromethane
Concen: 9.160 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion:	129	Resp:	187630
Ion	Ratio	Lower	Upper
129	100		
127	72.7	51.6	95.8

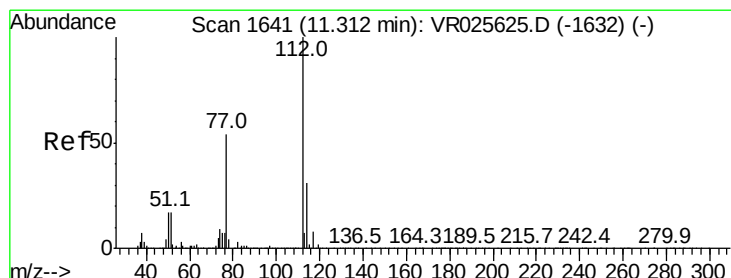
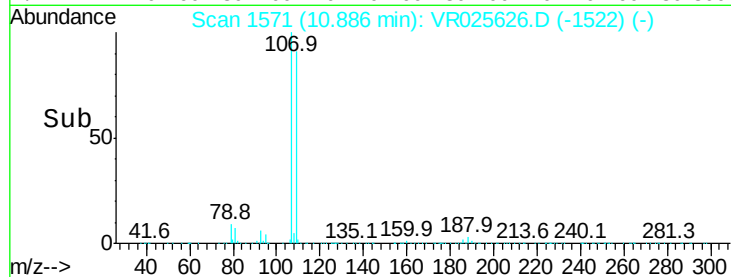
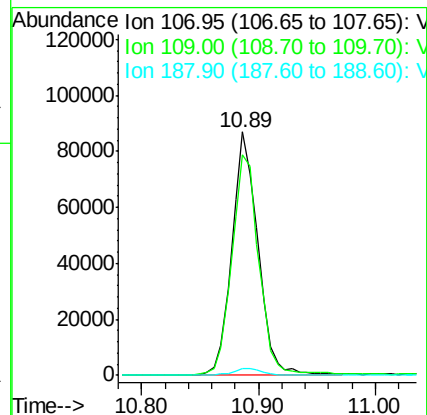
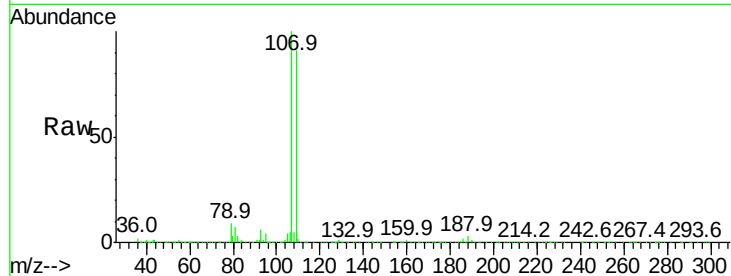




#50
1,2-Dibromoethane
Concen: 9.143 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

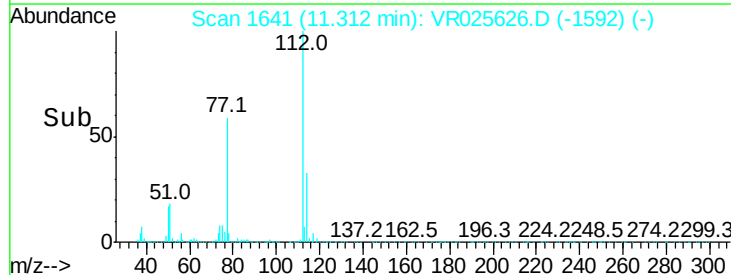
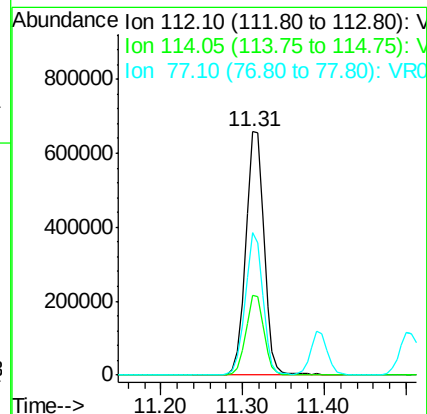
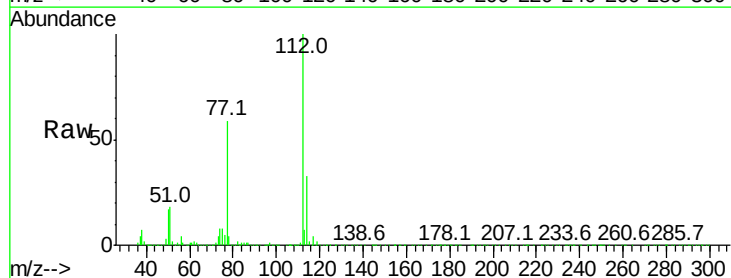
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

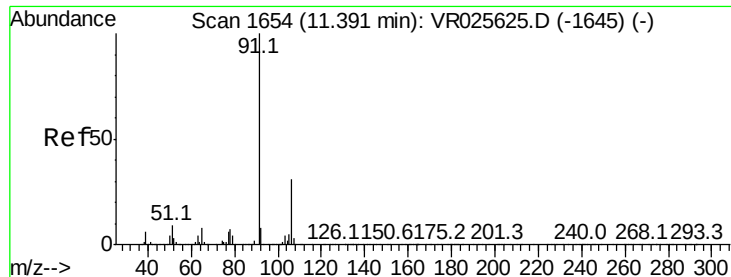
Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.6	70.1	130.1
188	3.0	2.6	3.8



#51
Chlorobenzene
Concen: 10.278 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	21.8	40.4
77	58.6	43.0	64.4





#52

Ethylbenzene

Concen: 12.320 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampled :

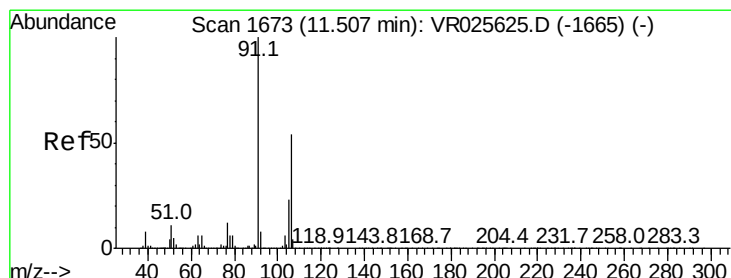
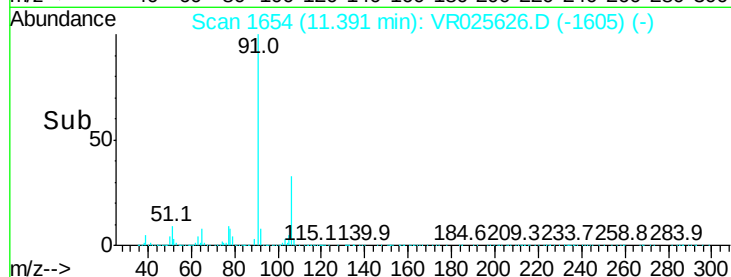
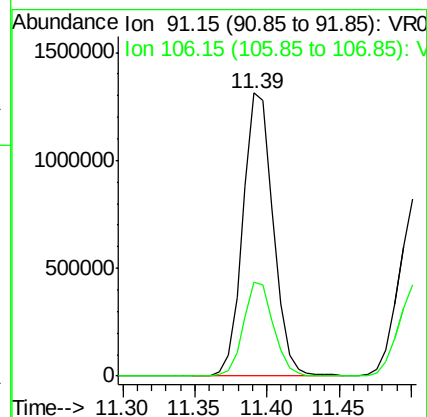
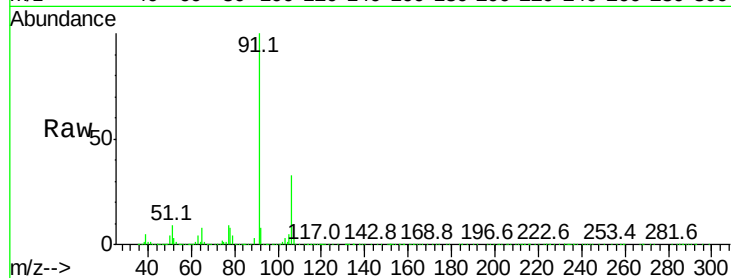
VSTD01084

Tgt Ion: 91 Resp: 1915667

Ion Ratio Lower Upper

91 100

106 33.2 21.9 40.7



#53

m,p-Xylene

Concen: 12.462 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025626.D

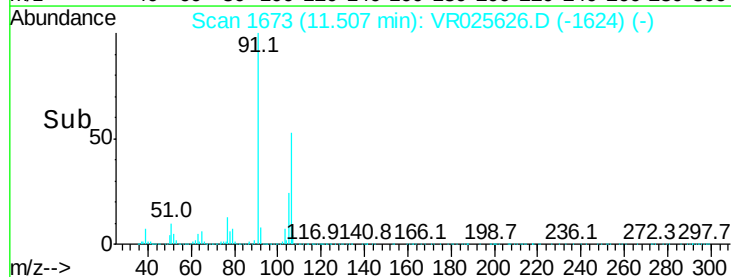
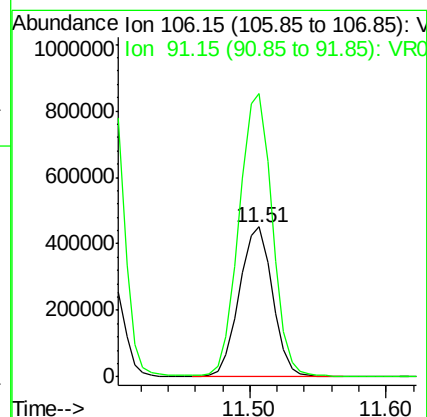
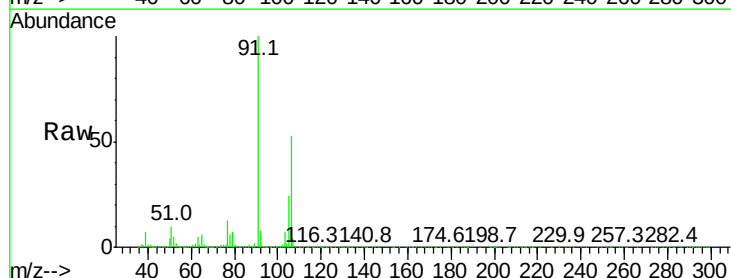
Acq: 21 Aug 2018 13:42

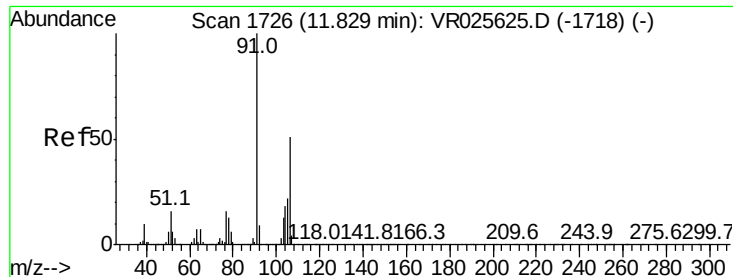
Tgt Ion: 106 Resp: 767028

Ion Ratio Lower Upper

106 100

91 188.6 130.9 243.1

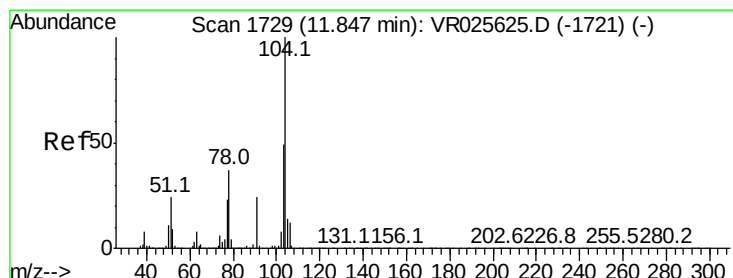
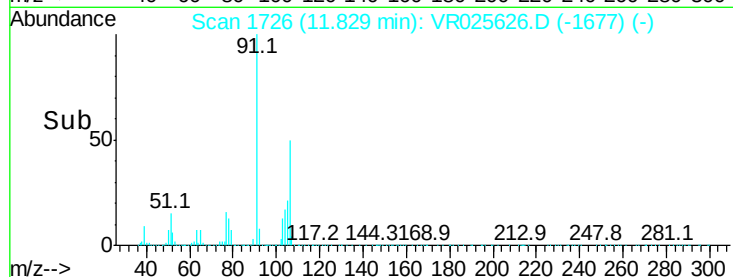
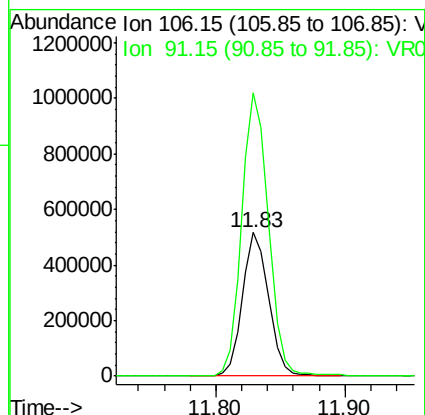
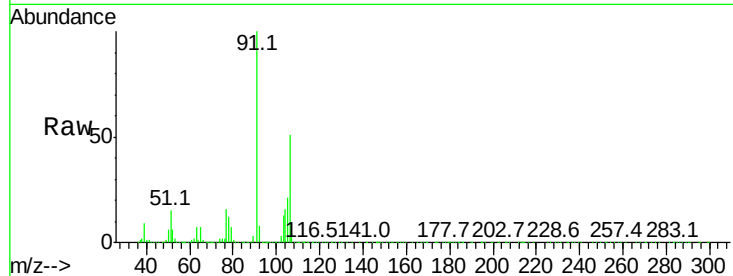




#54
o-Xylene
Concen: 12.653 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

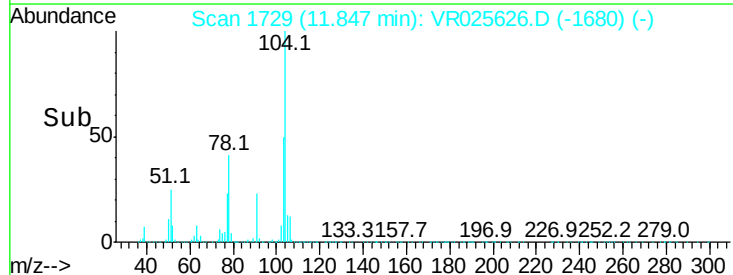
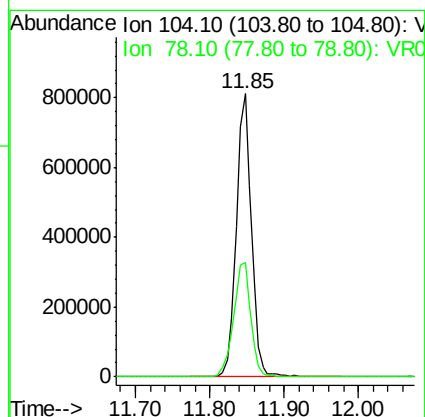
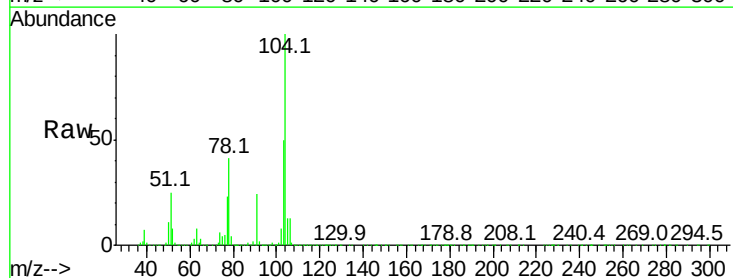
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

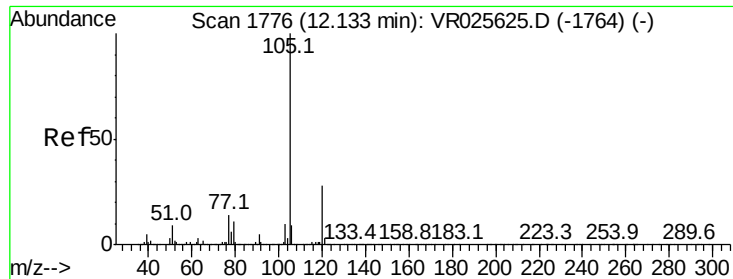
Tgt Ion:106 Resp: 725857
Ion Ratio Lower Upper
106 100
91 196.9 137.5 255.3



#55
Styrene
Concen: 12.273 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025626.D
Acq: 21 Aug 2018 13:42

Tgt Ion:104 Resp: 1160993
Ion Ratio Lower Upper
104 100
78 40.6 26.2 48.6





#56

Isopropylbenzene

Concen: 13.200 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

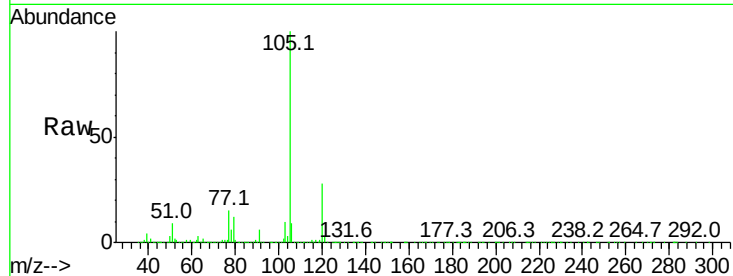
Tgt Ion:105 Resp: 1822211

Ion Ratio Lower Upper

105 100

120 27.7 22.2 33.4

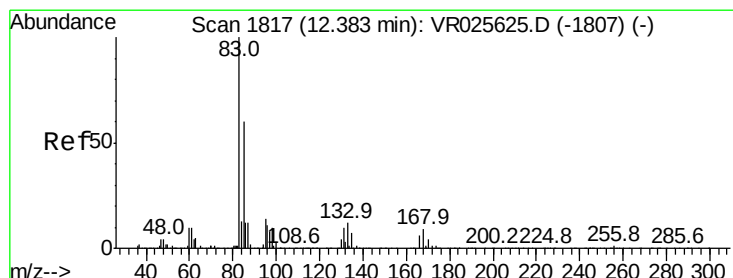
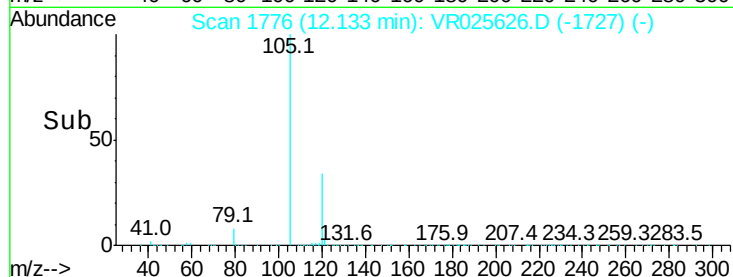
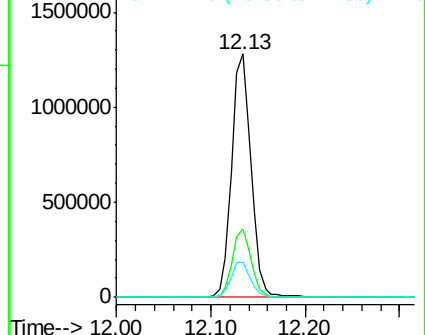
77 14.7 11.6 17.4



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: 10.051 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

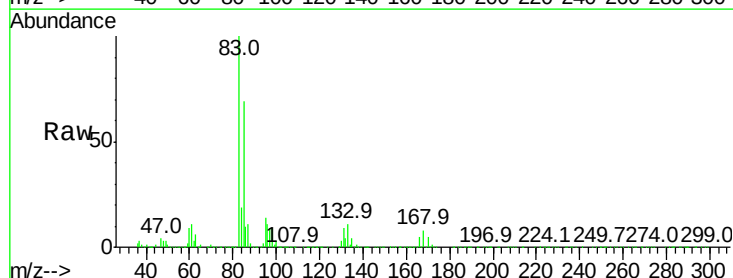
Tgt Ion: 83 Resp: 174950

Ion Ratio Lower Upper

83 100

85 69.4 42.3 78.5

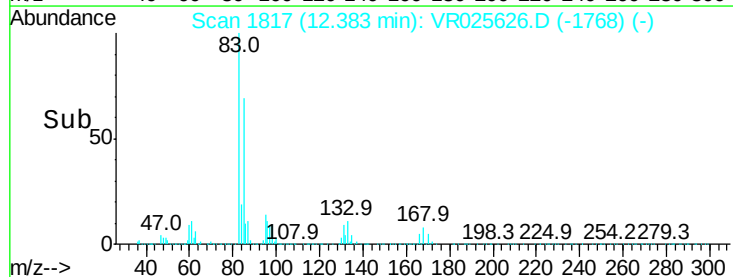
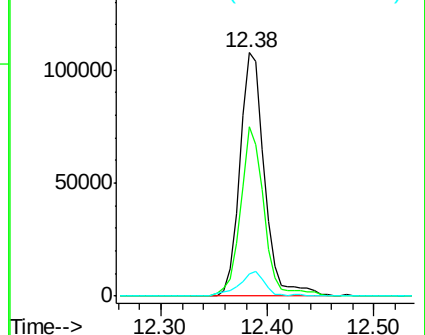
131 9.0 7.8 11.6

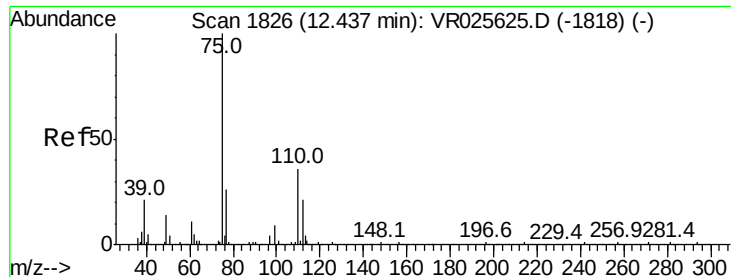


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.802 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

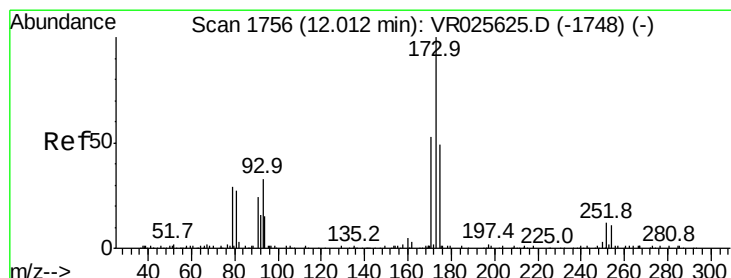
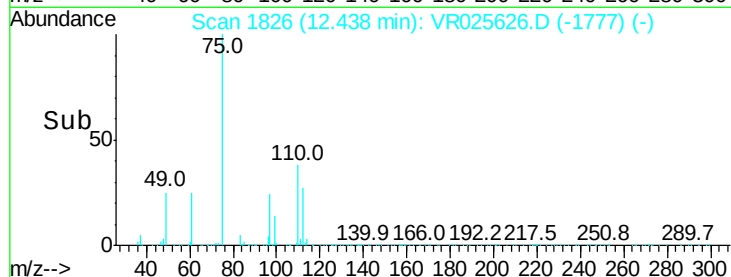
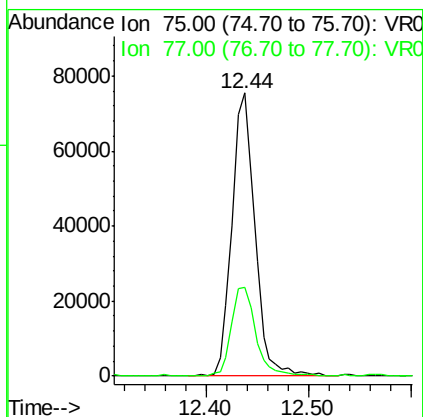
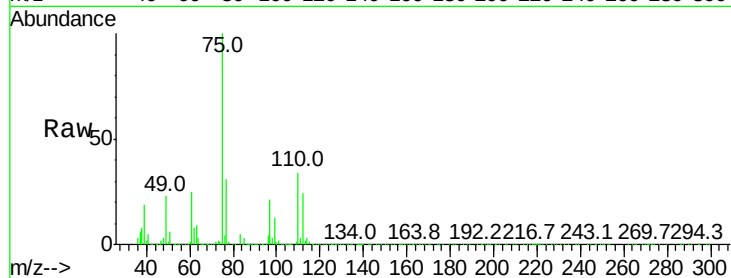
VSTD01084

Tgt Ion: 75 Resp: 117200

Ion Ratio Lower Upper

75 100

77 33.5 23.5 35.3



#61

Bromoform

Concen: 8.829 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

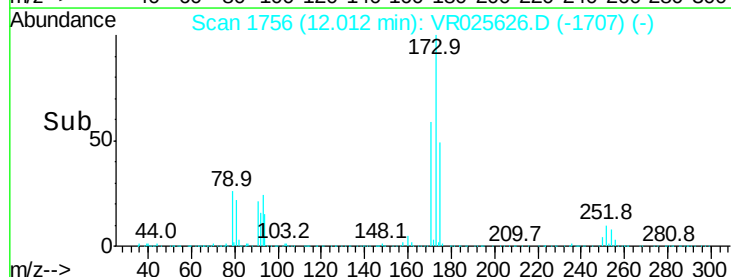
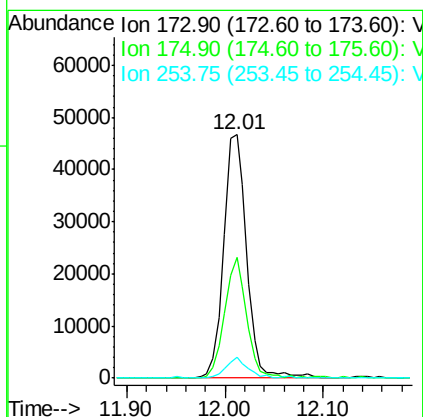
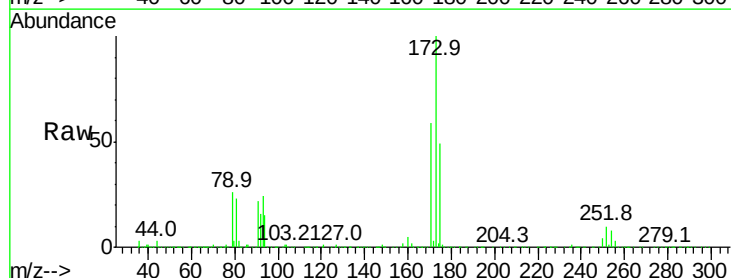
Tgt Ion: 173 Resp: 76244

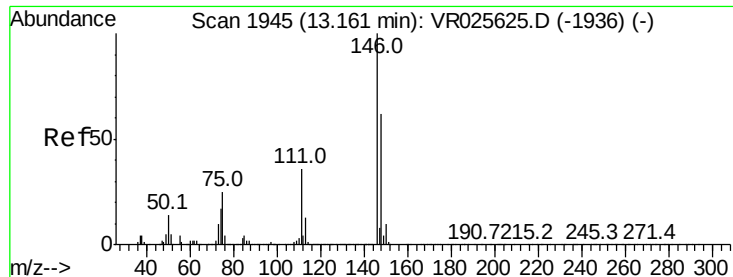
Ion Ratio Lower Upper

173 100

175 46.9 40.4 60.6

254 8.2 9.5 14.3#





#62

1,3-Dichlorobenzene

Concen: 11.345 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampled :

VSTD01084

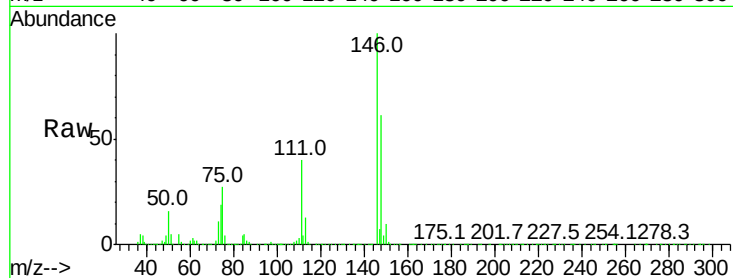
Tgt Ion:146 Resp: 606701

Ion Ratio Lower Upper

146 100

111 39.9 24.8 46.1

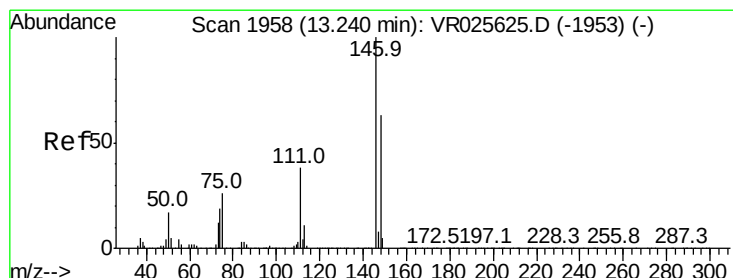
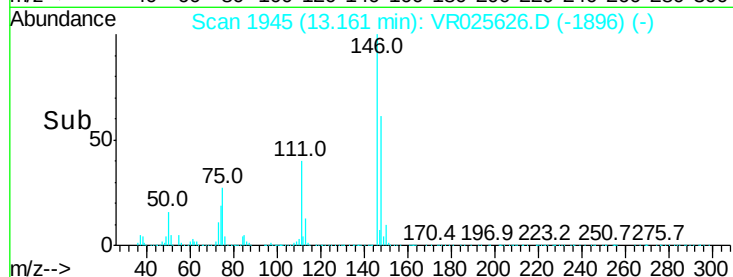
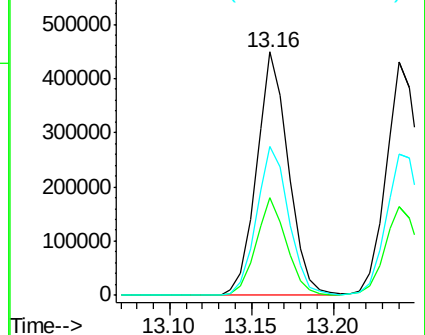
148 61.0 43.5 80.7



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: 9.529 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

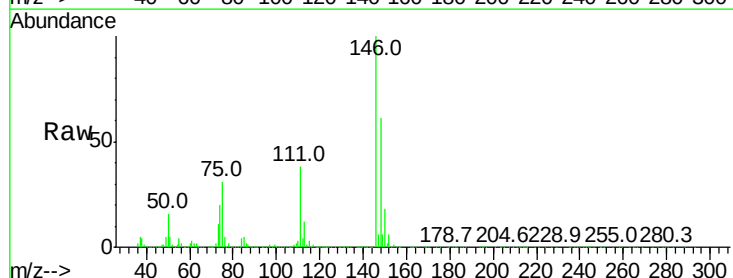
Tgt Ion:146 Resp: 615291

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.5

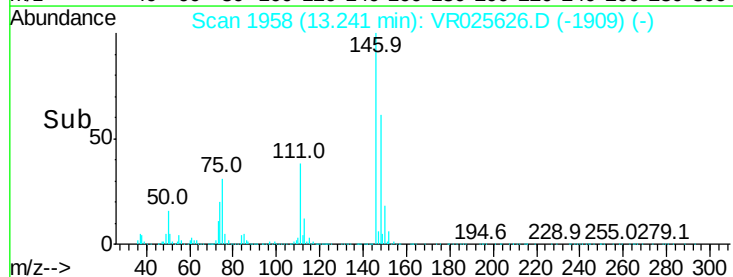
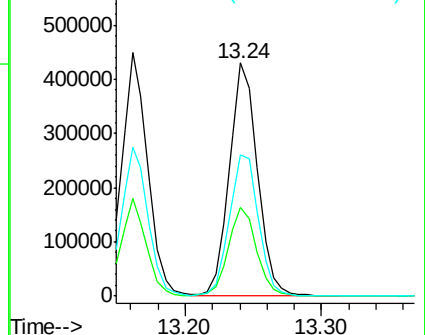
148 60.8 44.4 82.5

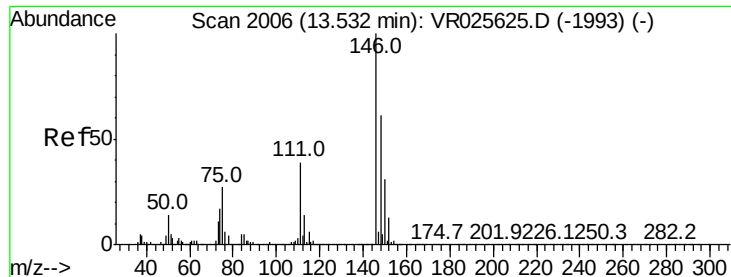


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

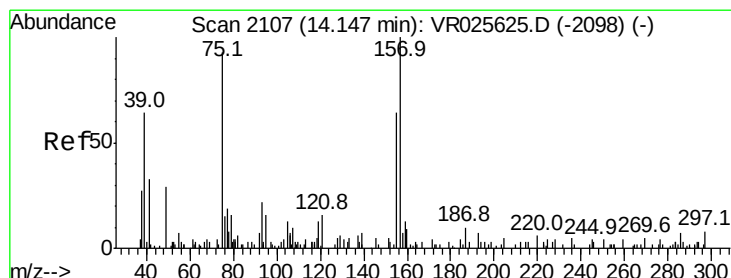
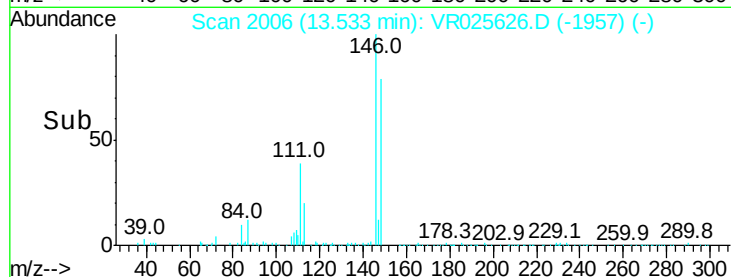
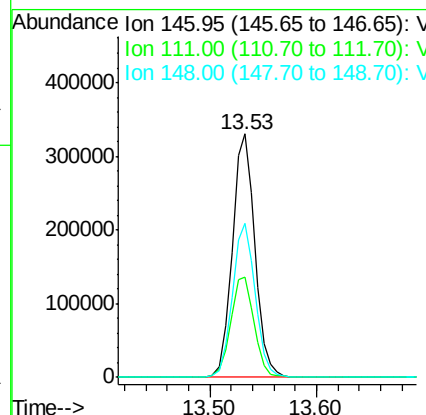
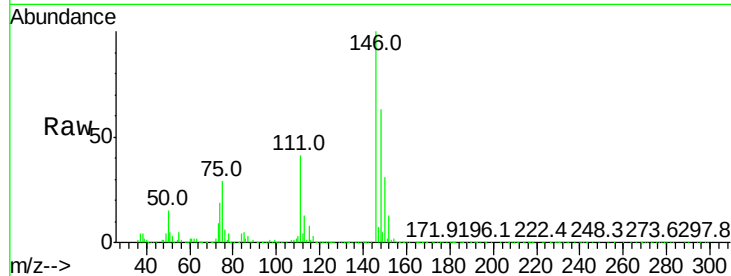




#65
 1,2-Dichlorobenzene
 Concen: 9.590 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

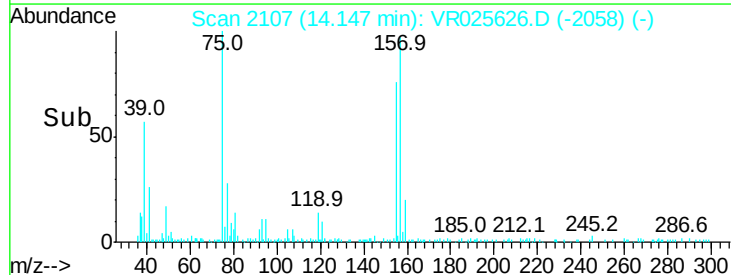
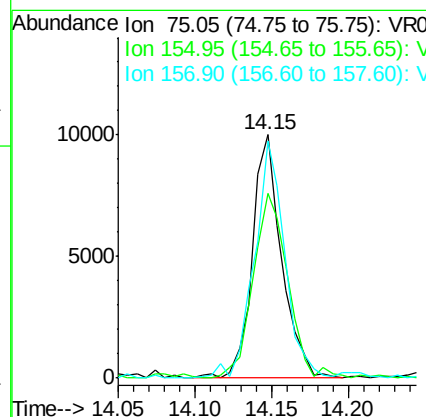
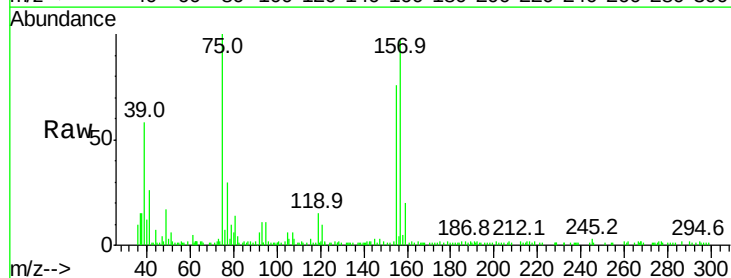
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

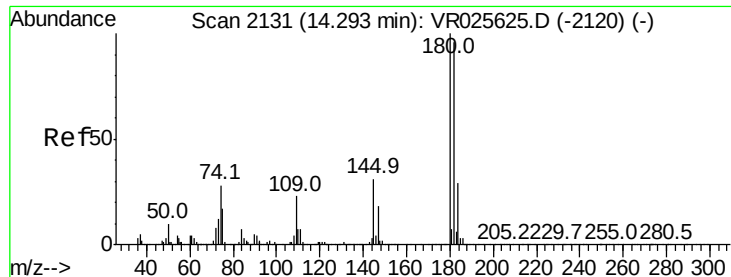
Tgt Ion: 146 Resp: 488668
 Ion Ratio Lower Upper
 146 100
 111 41.3 31.6 47.4
 148 63.1 48.7 73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.661 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

Tgt Ion: 75 Resp: 13216
 Ion Ratio Lower Upper
 75 100
 155 75.8 55.2 82.8
 157 97.4 89.4 134.2

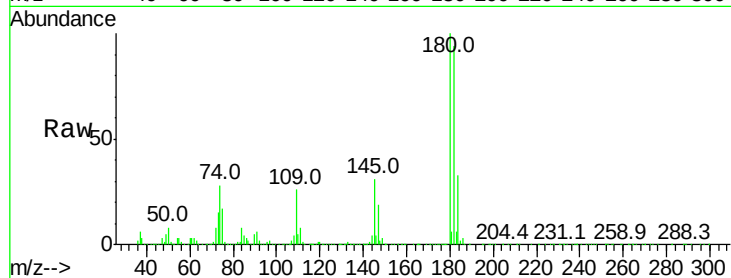




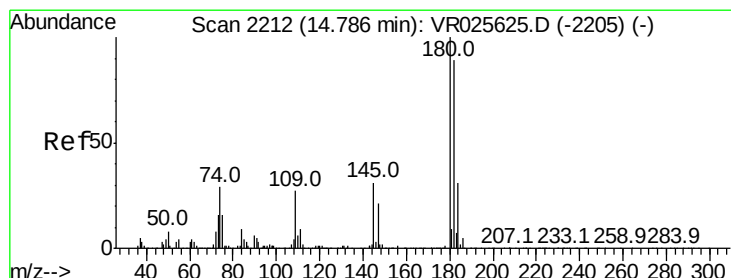
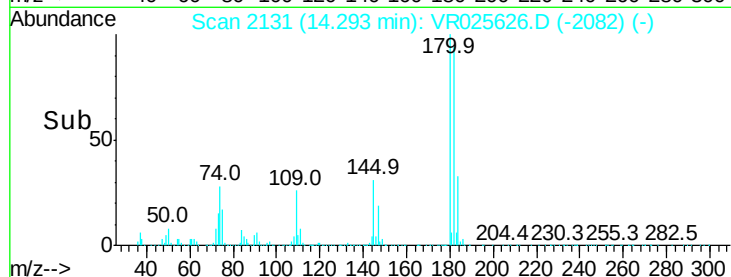
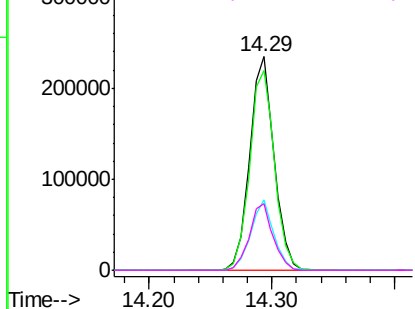
#67
 1,3,5-Trichlorobenzene
 Concen: 9.010 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

Tgt Ion:	180	Resp:	324366
Ion Ratio	Lower	Upper	
180	100		
182	95.0	74.4	111.6
184	31.4	25.1	37.7
145	30.6	24.2	36.4

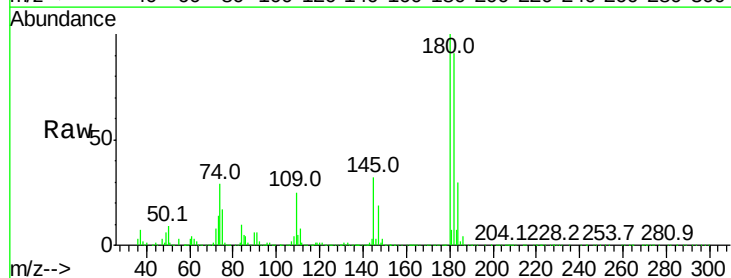


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

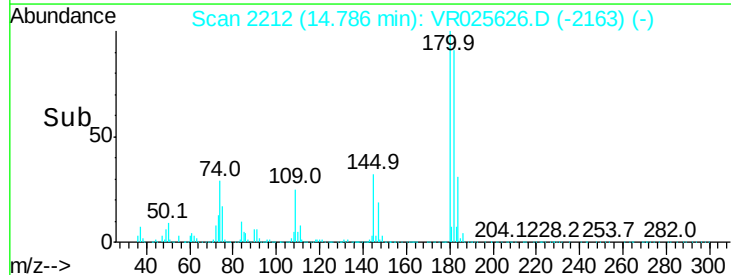
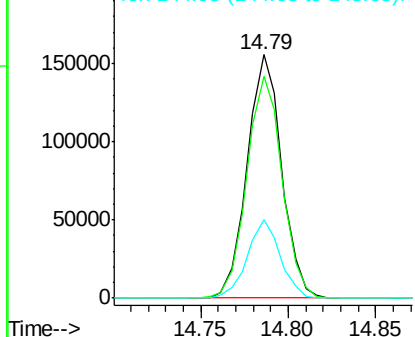


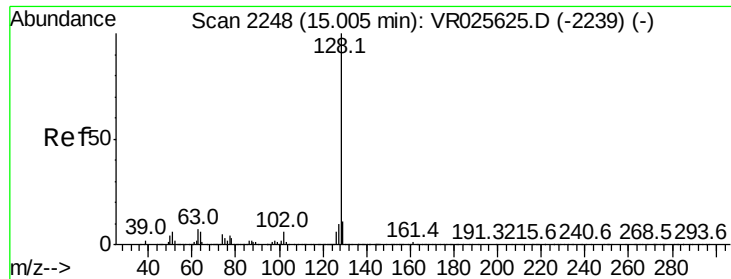
#68
 1,2,4-trichlorobenzene
 Concen: 9.563 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025626.D
 Acq: 21 Aug 2018 13:42

Tgt Ion:	180	Resp:	212108
Ion Ratio	Lower	Upper	
180	100		
182	93.7	75.0	112.6
145	31.1	25.4	38.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 11.080 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

Instrument :

MSVOA_R

ClientSampled :

VSTD01084

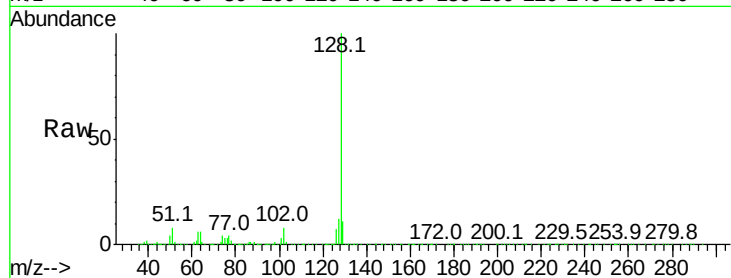
Tgt Ion:128 Resp: 287782

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

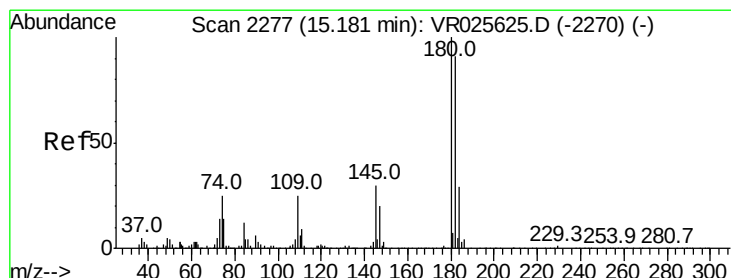
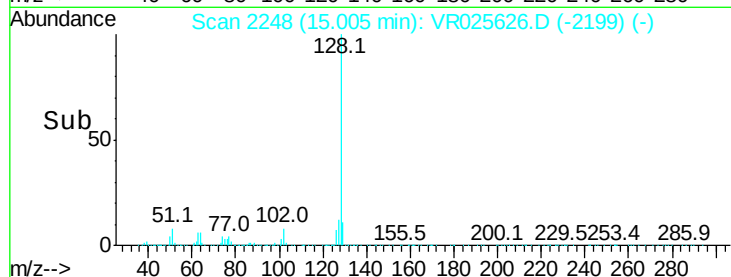
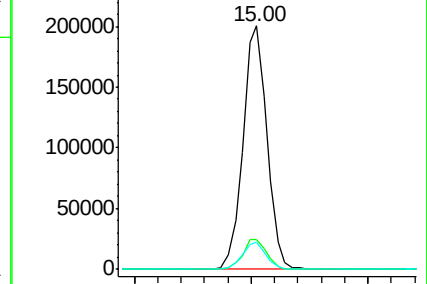
129 10.9 8.9 13.3



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: 8.517 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025626.D

Acq: 21 Aug 2018 13:42

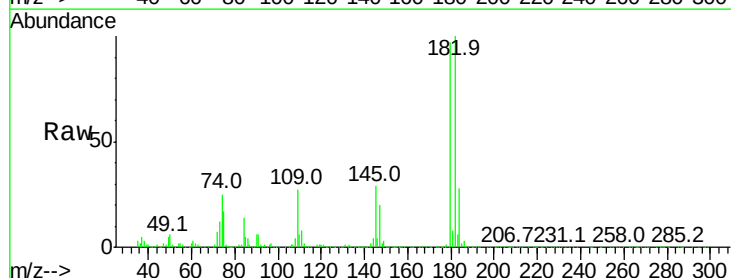
Tgt Ion:180 Resp: 160457

Ion Ratio Lower Upper

180 100

182 98.1 74.4 111.6

145 31.7 24.8 37.2



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

