

Data File : VR025627.D
Acq On : 21 Aug 2018 14:15
Operator : SY/MD
Sample : VSTD02085
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Quant Time: Aug 21 16:38:04 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	623204	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	556257	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	217310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	719675	16.84	ug/L	0.00
7) Chloroethane-d5	2.62	69	606685	19.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	1823734	18.10	ug/L	0.00
20) 2-Butanone-d5	6.59	46	771064	189.98	ug/L	0.00
24) Chloroform-d	7.20	84	1424370	19.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	501198	18.07	ug/L	0.00
32) Benzene-d6	7.86	84	3561851	23.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	921528	21.95	ug/L	0.00
41) Toluene-d8	9.97	98	3396819	22.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	240789	23.83	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	889529	235.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	395954	18.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	701619	19.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	679733	18.665 ug/L	95
3) Chloromethane	2.02	50	933140	17.020 ug/L	100
5) Vinyl chloride	2.18	62	939696	19.033 ug/L	95
6) Bromomethane	2.52	94	613731	25.740 ug/L	92
8) Chloroethane	2.65	64	548852	21.047 ug/L	87
9) Trichlorofluoromethane	2.94	101	460550	6.419 ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	816684	17.599 ug/L	98
12) 1,1-Dichloroethene	3.64	96	881803	17.181 ug/L	82
13) Acetone	3.70	43	430764	103.604 ug/L	97
14) Carbon disulfide	3.95	76	2555855	24.143 ug/L	98
15) Methyl Acetate	4.19	43	147224	13.460 ug/L	96
16) Methylene chloride	4.40	84	766430	16.129 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	1125276	20.864 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	1059680	21.890 ug/L	88
19) 1,1-Dichloroethane	5.69	63	1638536	23.787 ug/L	99
21) 2-Butanone	6.69	43	919452	181.891 ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	981979	22.540 ug/L	# 86
23) Bromochloromethane	7.05	128	281971	17.041 ug/L	98
25) Chloroform	7.23	83	1444614	20.018 ug/L	98
27) 1,2-Dichloroethane	7.99	62	551621	18.922 ug/L	# 95
29) 1,1,1-Trichloroethane	7.43	97	1070692	22.689 ug/L	99
30) Cyclohexane	7.52	56	1590567	34.204 ug/L	99
31) Carbon tetrachloride	7.64	117	970051	19.559 ug/L	99
33) Benzene	7.91	78	4236285	24.406 ug/L	100
34) Trichloroethene	8.71	95	961367	23.348 ug/L	97
35) Methylcyclohexane	8.96	83	1673601	29.947 ug/L	96
37) 1,2-Dichloropropane	8.99	63	889295	22.416 ug/L	99
38) Bromodichloromethane	9.28	83	809161	20.492 ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	1092647	27.947 ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	2595890	217.693 ug/L	98

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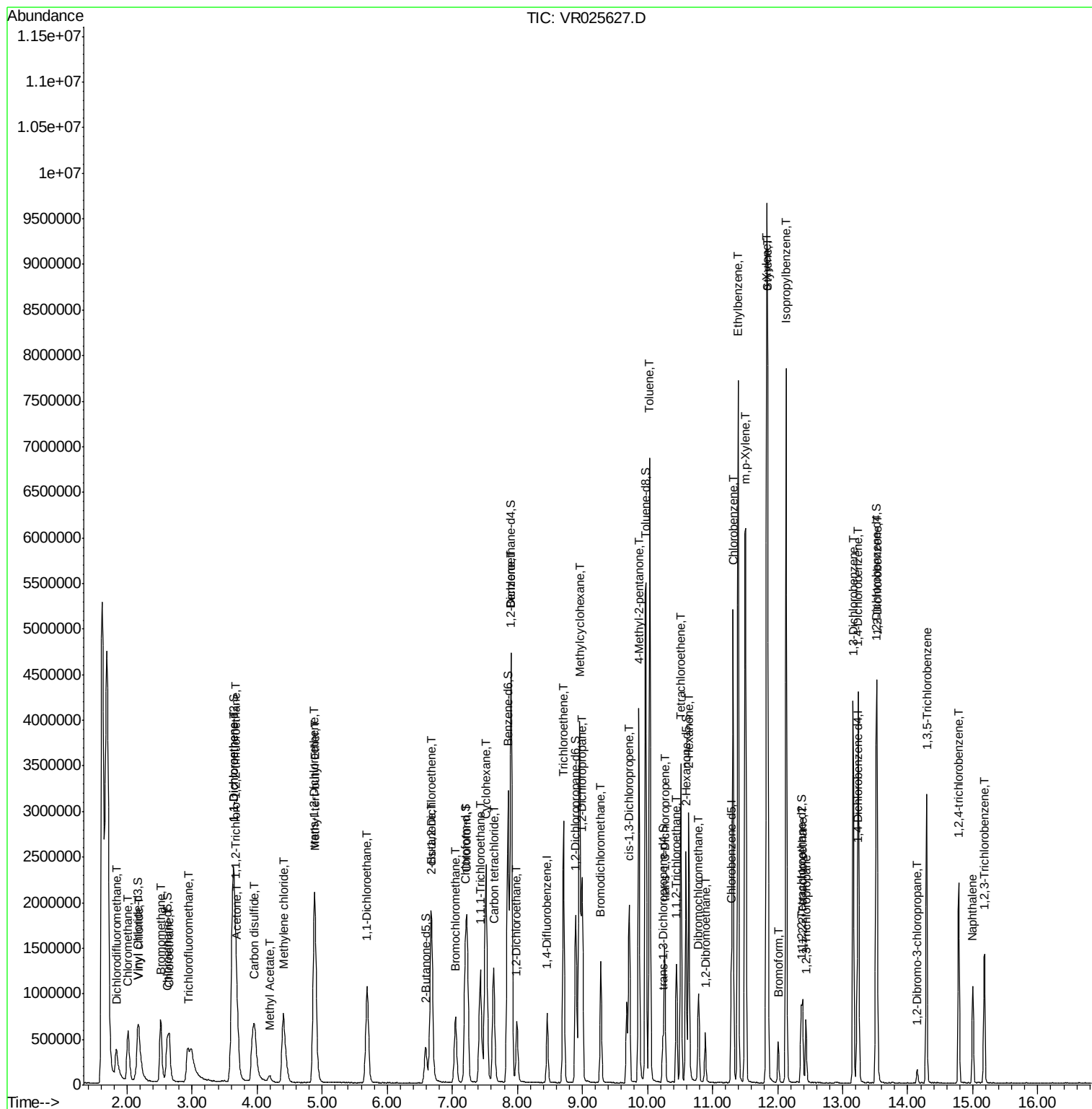
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	4438352	23.722	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	764580	26.352	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	395254	18.819	ug/L	95
47) Tetrachloroethene	10.52	164	715678	19.677	ug/L	96
48) 2-Hexanone	10.64	43	1723231	206.100	ug/L	98
49) Dibromochloromethane	10.78	129	462427	18.603	ug/L	95
50) 1,2-Dibromoethane	10.89	107	330322	18.424	ug/L	95
51) Chlorobenzene	11.31	112	2508195	21.016	ug/L	93
52) Ethylbenzene	11.39	91	4787891	25.374	ug/L	94
53) m,p-Xylene	11.51	106	1974491	26.437	ug/L	99
54) o-Xylene	11.83	106	1868970	26.848	ug/L	98
55) Styrene	11.85	104	2944823	25.654	ug/L	94
56) Isopropylbenzene	12.13	105	4628403	27.629	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	395476	18.723	ug/L	93
59) 1,2,3-Trichloropropane	12.44	75	267651	20.330	ug/L	97
61) Bromoform	12.01	173	186070	18.390	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	1472589	23.504	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	1463774	19.348	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	1191712	19.962	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	31546	17.645	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	855313	20.278	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	552476	21.260	ug/L	98
69) Naphthalene	15.00	128	779975	25.630	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	404306	18.317	ug/L	96

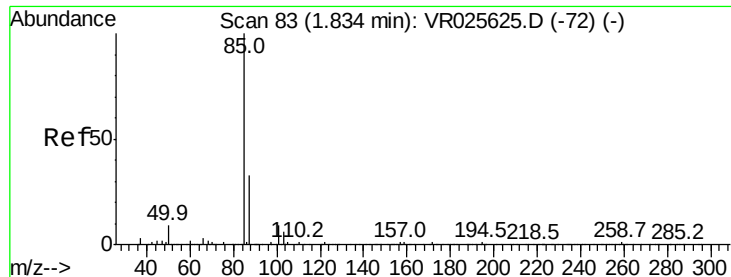
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.665 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

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Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

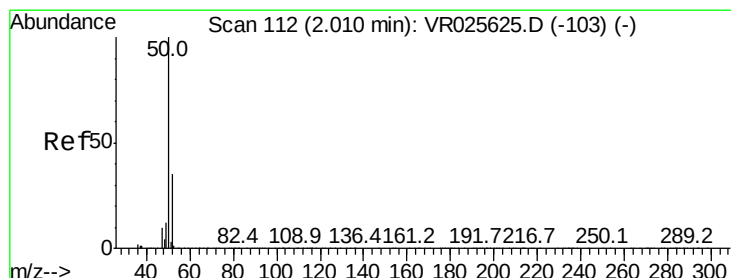
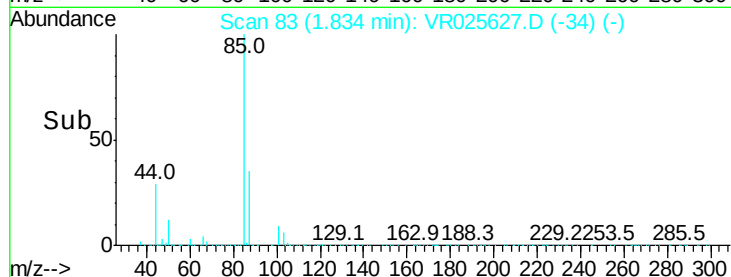
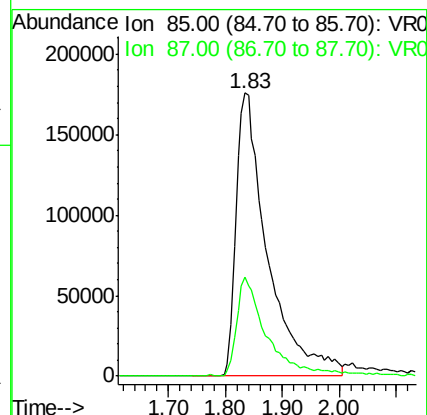
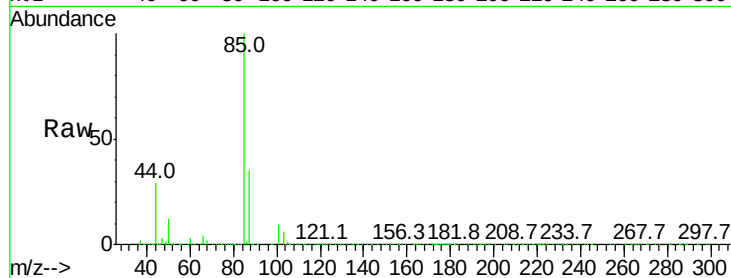
VSTD02085

Tgt Ion: 85 Resp: 679733

Ion Ratio Lower Upper

85 100

87 32.1 23.5 35.3



#3

Chloromethane

Concen: 17.020 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025627.D

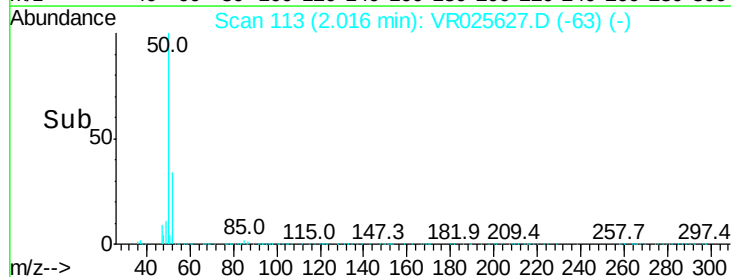
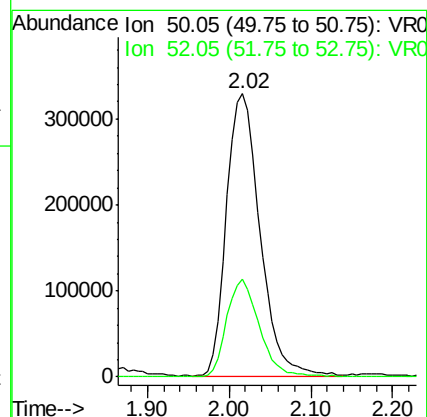
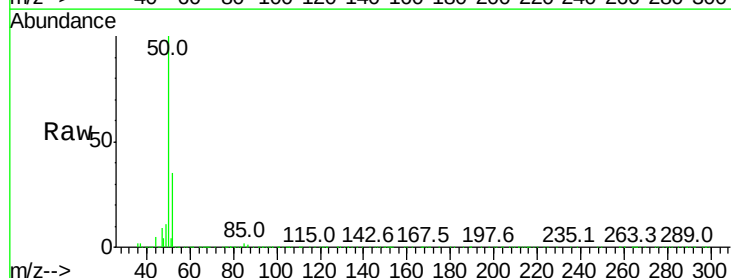
Acq: 21 Aug 2018 14:15

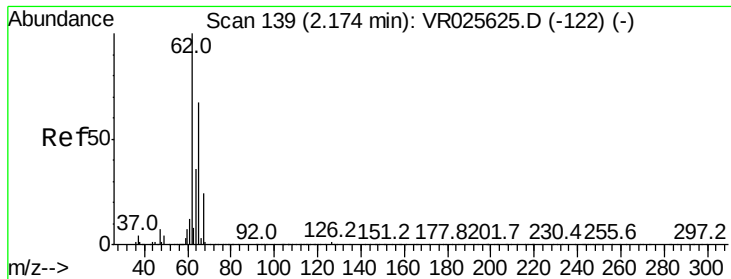
Tgt Ion: 50 Resp: 933140

Ion Ratio Lower Upper

50 100

52 34.5 24.2 45.0





#5

Vinyl chloride

Concen: 19.033 ug/L

RT: 2.18 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

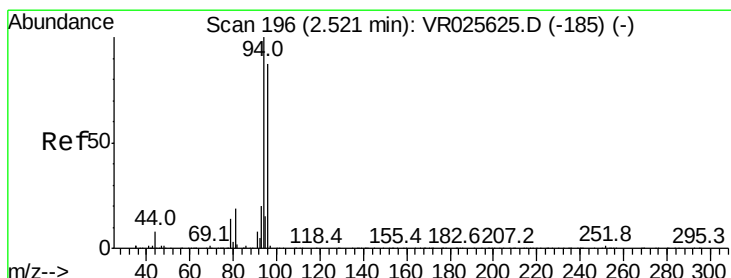
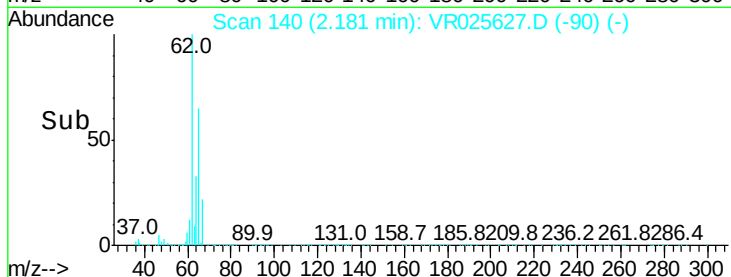
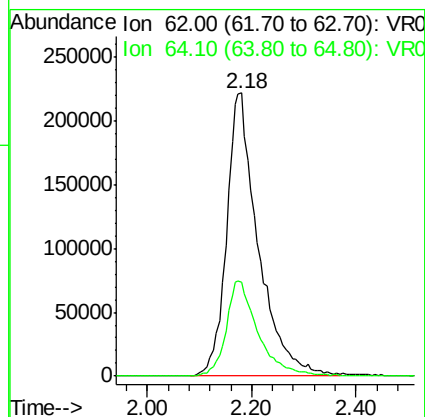
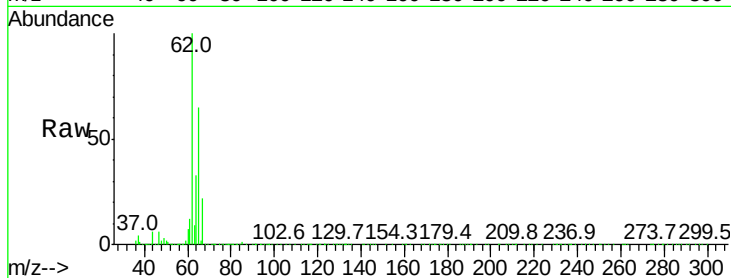
VSTD02085

Tgt Ion: 62 Resp: 939696

Ion Ratio Lower Upper

62 100

64 33.3 25.6 47.4



#6

Bromomethane

Concen: 25.740 ug/L

RT: 2.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VR025627.D

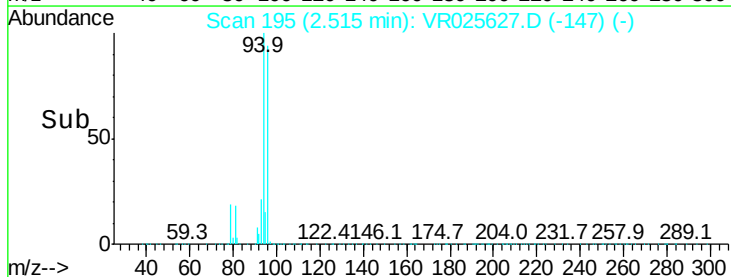
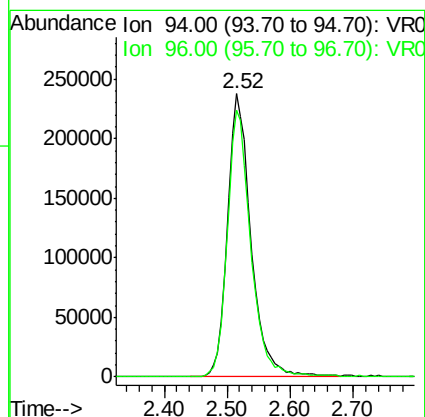
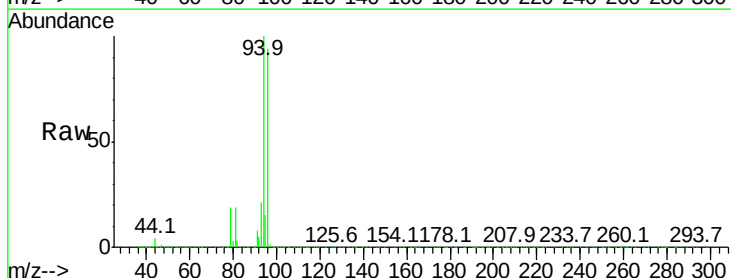
Acq: 21 Aug 2018 14:15

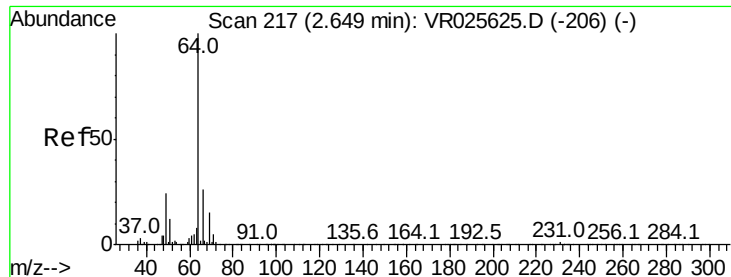
Tgt Ion: 94 Resp: 613731

Ion Ratio Lower Upper

94 100

96 94.4 60.8 112.8

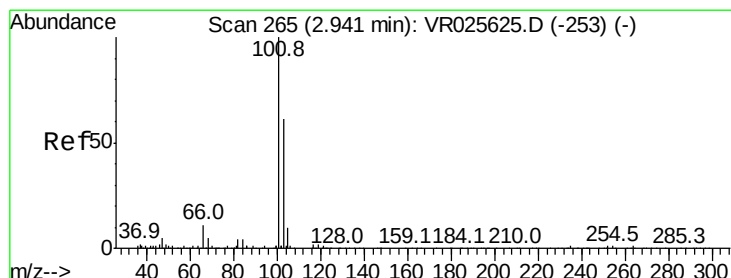
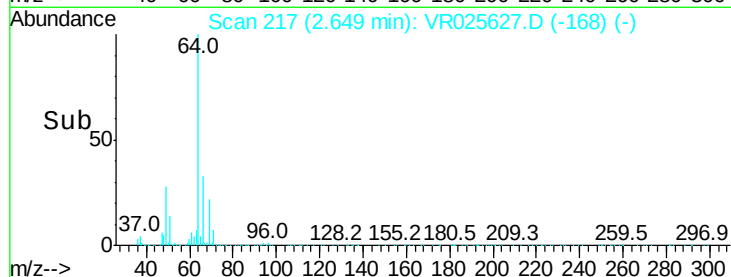
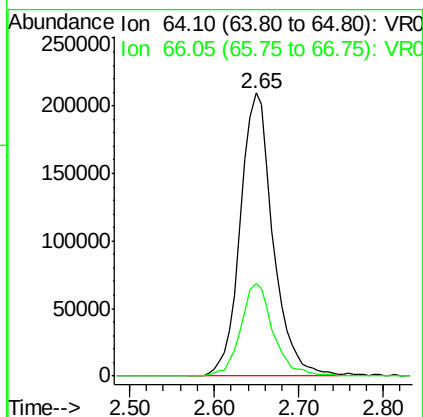
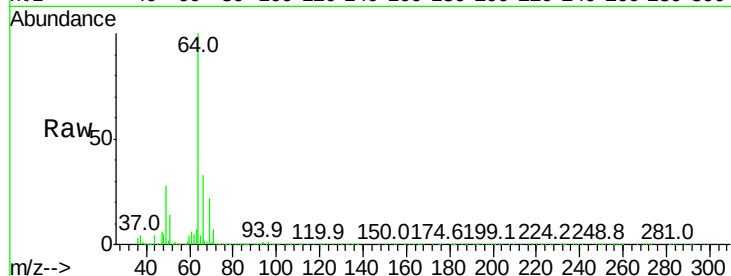




#8
Chloroethane
Concen: 21.047 ug/L
RT: 2.65 min Scan# 217
Delta R.T. 0.00 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

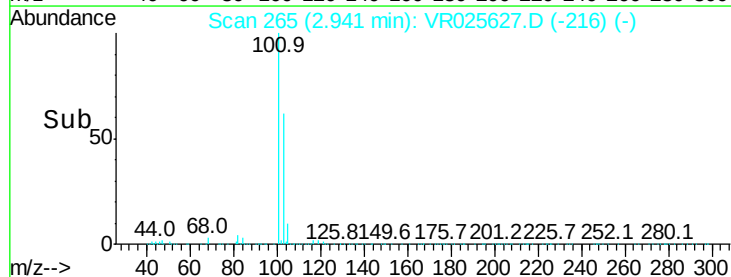
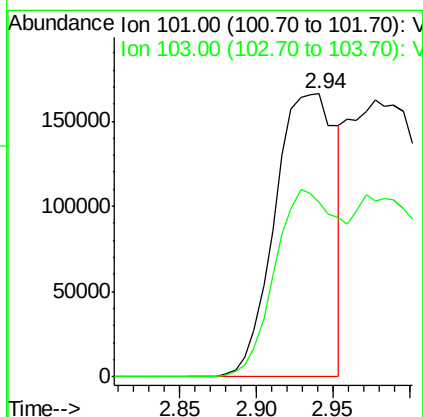
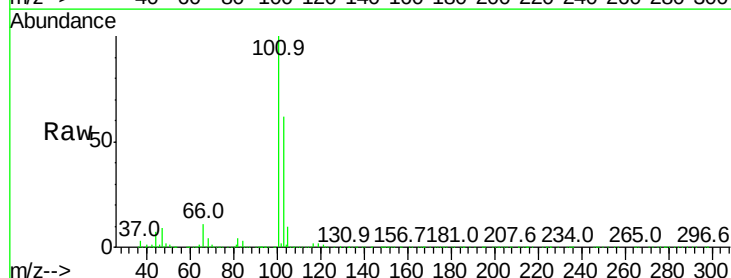
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

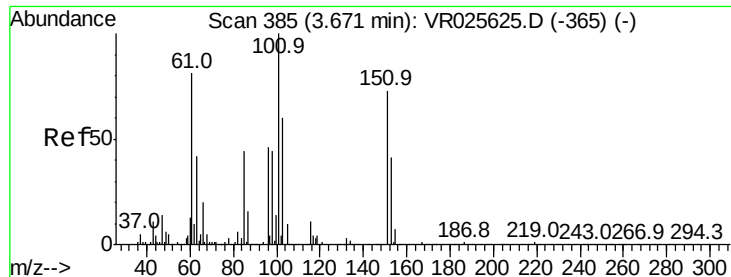
Tgt Ion: 64 Resp: 548852
Ion Ratio Lower Upper
64 100
66 32.8 18.2 33.8



#9
Trichlorofluoromethane
Concen: 6.419 ug/L
RT: 2.94 min Scan# 265
Delta R.T. 0.00 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

Tgt Ion: 101 Resp: 460550
Ion Ratio Lower Upper
101 100
103 71.6 16.4 24.6#





#10

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

Concen: 17.599 ug/L

RT: 3.67 min Scan# 385

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

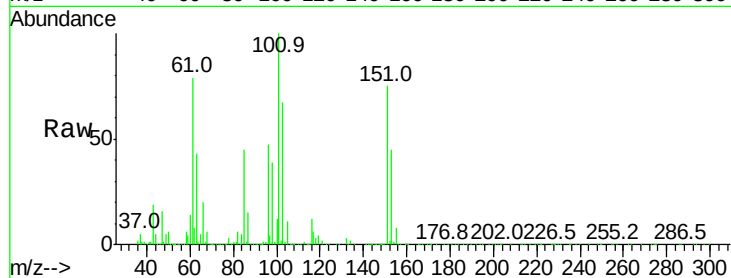
Tgt Ion:101 Resp: 81684

Ion Ratio Lower Upper

101 100

85 46.0 35.6 53.4

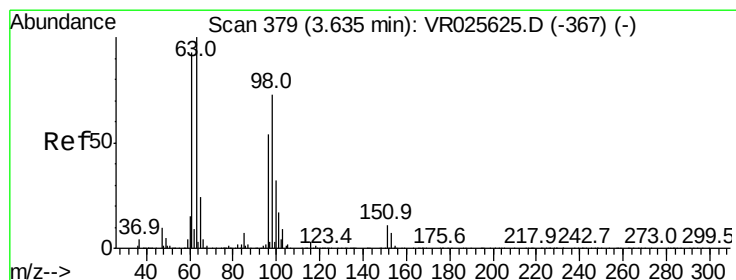
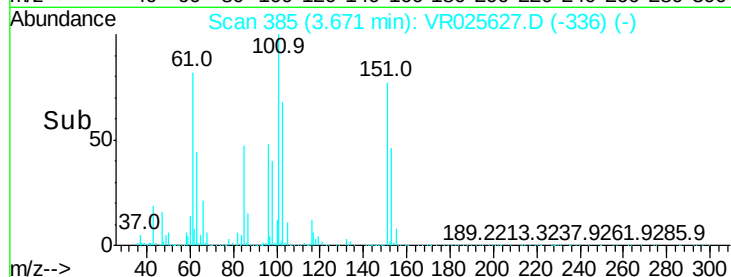
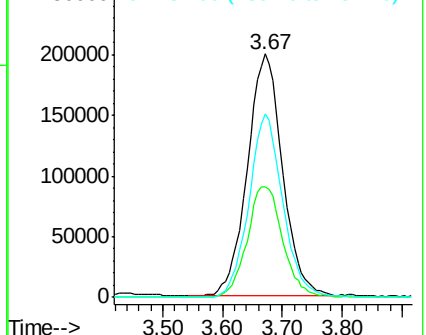
151 73.0 59.1 88.7



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: 17.181 ug/L

RT: 3.64 min Scan# 380

Delta R.T. 0.01 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

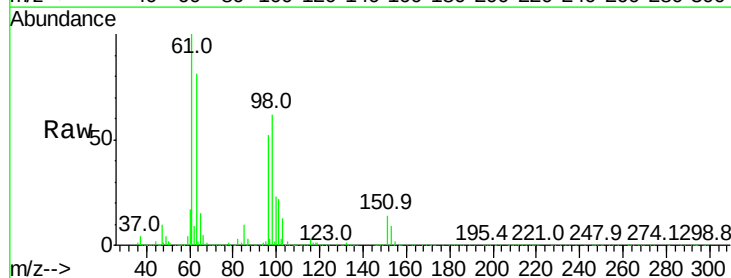
Tgt Ion: 96 Resp: 881803

Ion Ratio Lower Upper

96 100

61 192.1 119.8 222.6

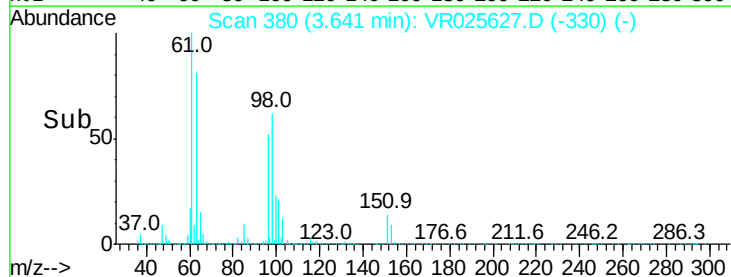
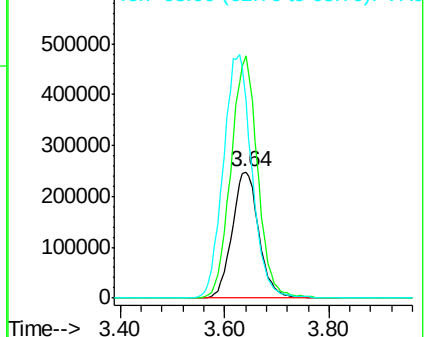
63 156.4 131.1 243.5

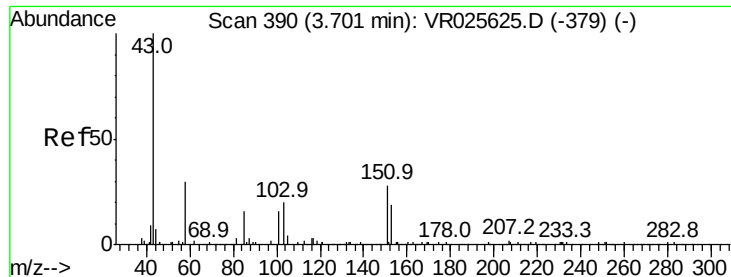


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 103.604 ug/L

RT: 3.70 min Scan# 389

Delta R.T. -0.01 min

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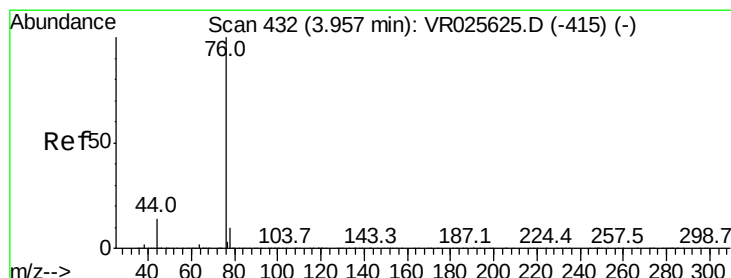
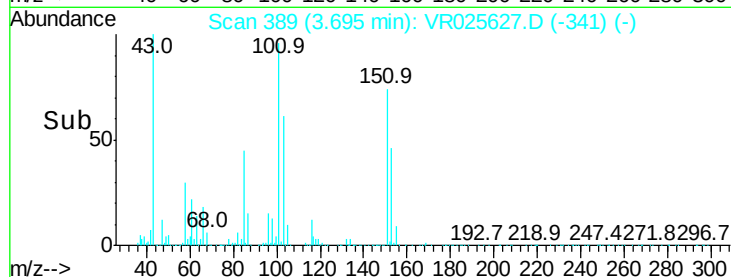
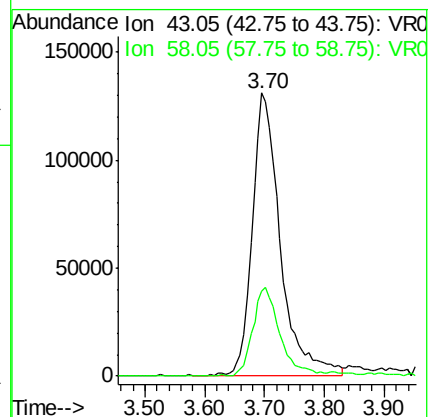
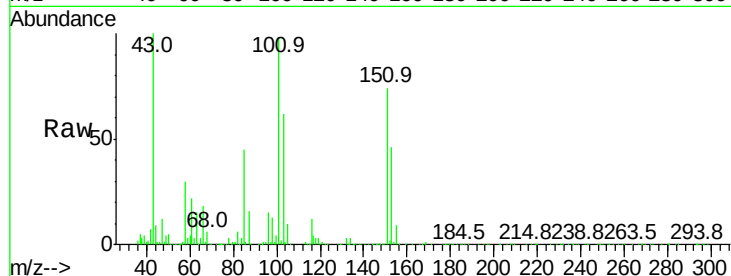
VSTD02085

Tgt Ion: 43 Resp: 430764

Ion Ratio Lower Upper

43 100

58 30.0 0.0 63.4



#14

Carbon disulfide

Concen: 24.143 ug/L

RT: 3.95 min Scan# 431

Delta R.T. -0.01 min

Lab File: VR025627.D

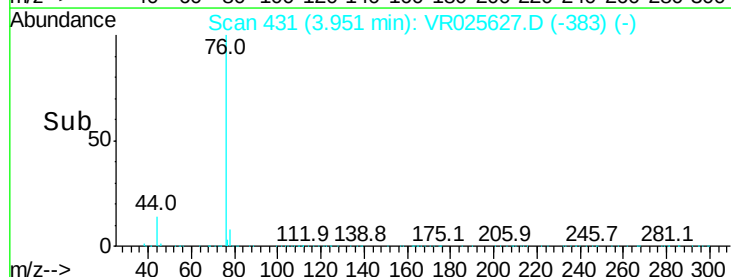
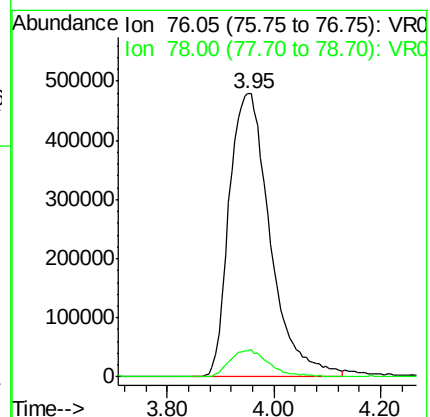
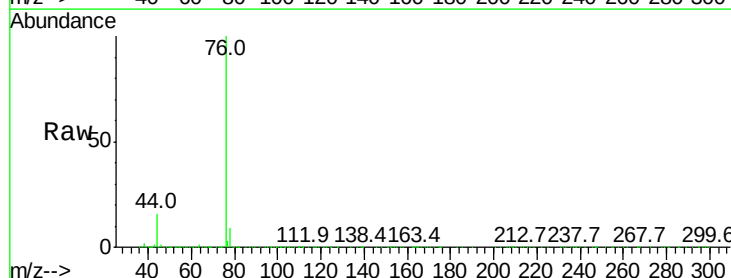
Acq: 21 Aug 2018 14:15

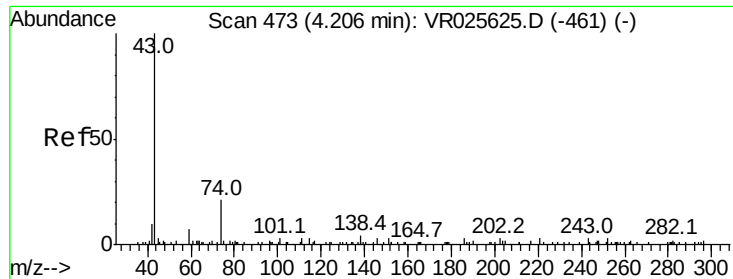
Tgt Ion: 76 Resp: 2555855

Ion Ratio Lower Upper

76 100

78 9.4 8.1 12.1

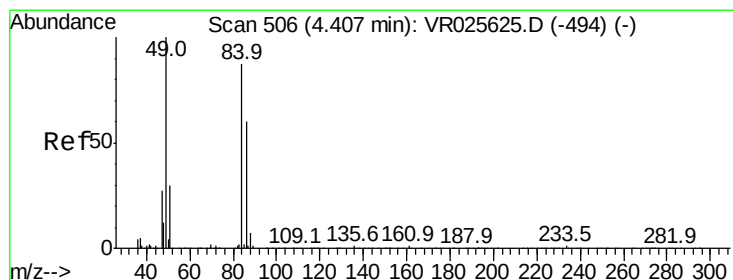
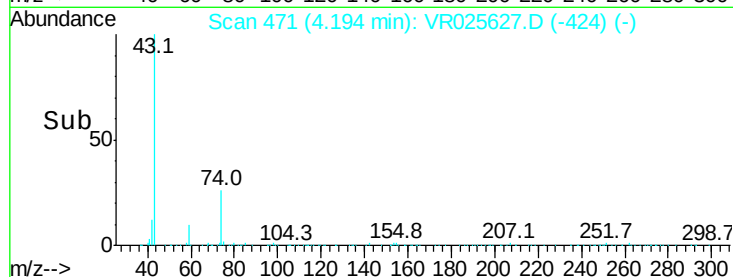
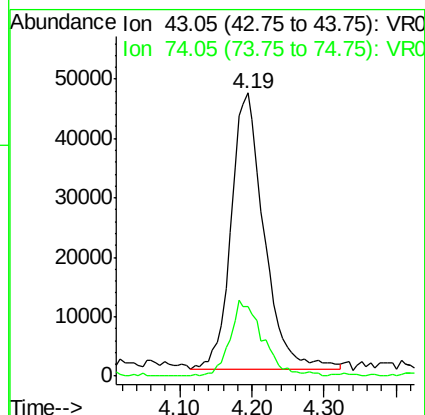
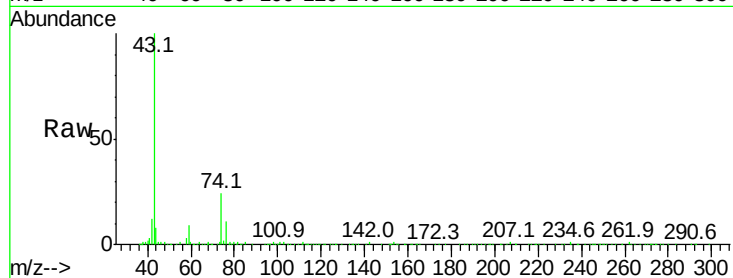




#15
Methyl Acetate
Concen: 13.460 ug/L
RT: 4.19 min Scan# 471
Delta R.T. -0.01 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

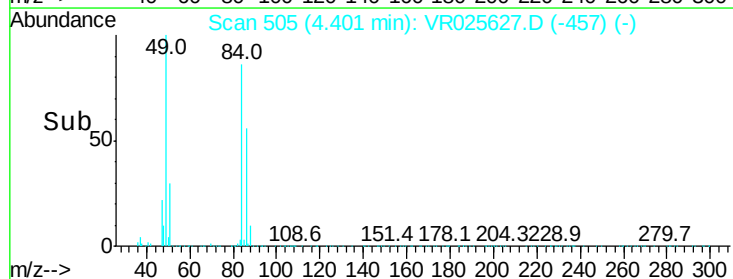
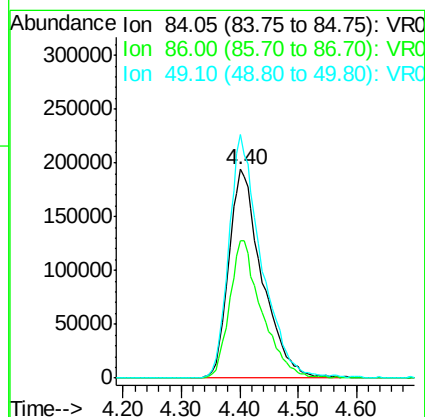
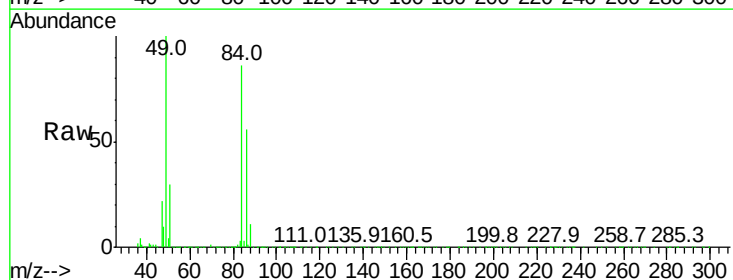
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

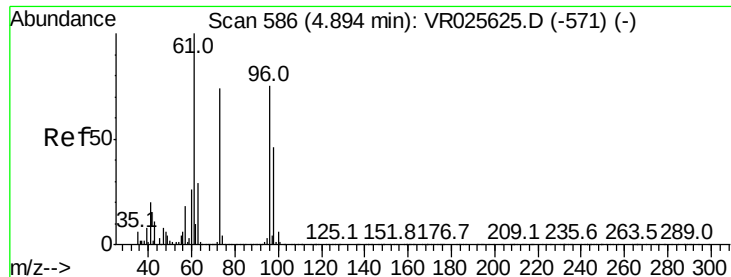
Tgt Ion: 43 Resp: 147224
Ion Ratio Lower Upper
43 100
74 26.6 19.8 29.6



#16
Methylene chloride
Concen: 16.129 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

Tgt Ion: 84 Resp: 766430
Ion Ratio Lower Upper
84 100
86 65.8 47.9 88.9
49 116.5 80.3 149.1



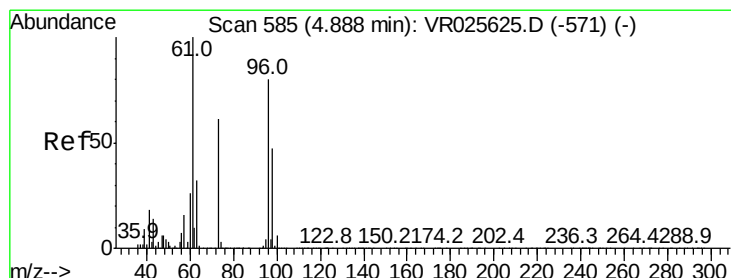
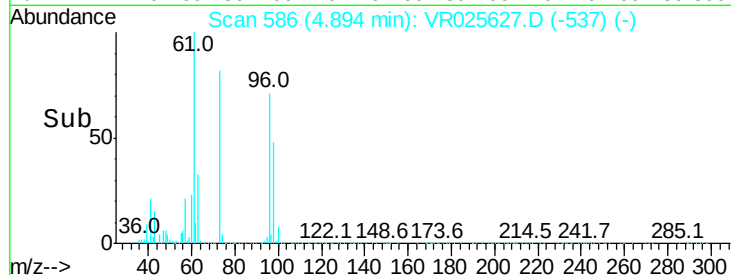
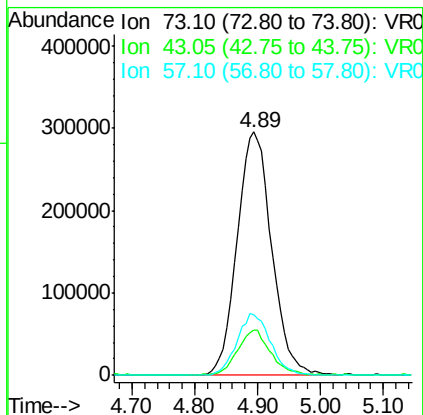
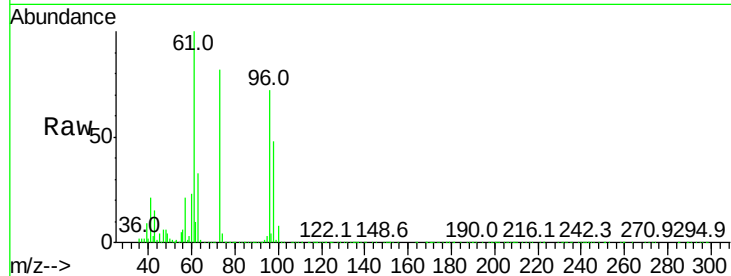


#17

Methyl tert-butyl Ether
 Concen: 20.864 ug/L
 RT: 4.89 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

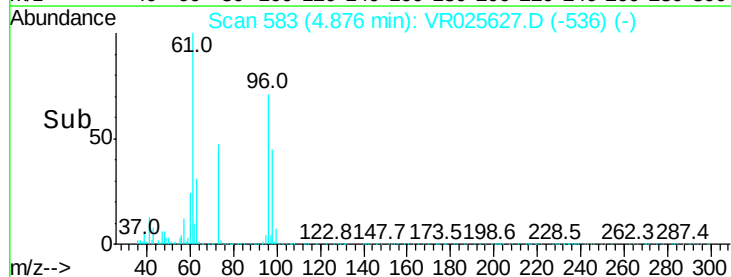
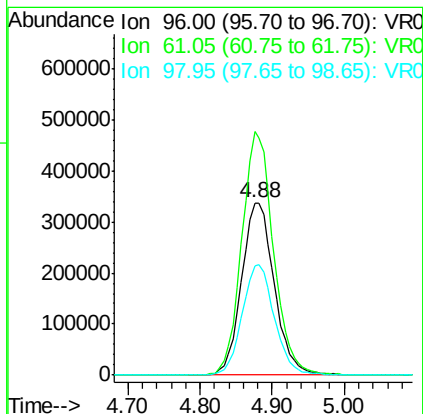
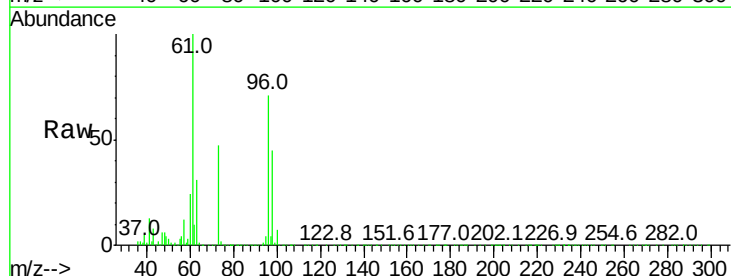
Tgt Ion: 73 Resp: 1125276
 Ion Ratio Lower Upper
 73 100
 43 17.2 14.8 22.2
 57 24.6 19.9 29.9

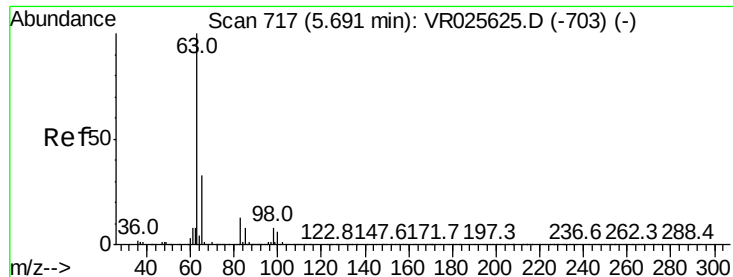


#18

trans-1,2-Dichloroethene
 Concen: 21.890 ug/L
 RT: 4.88 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

Tgt Ion: 96 Resp: 1059680
 Ion Ratio Lower Upper
 96 100
 61 141.2 87.5 162.5
 98 63.0 41.1 76.3

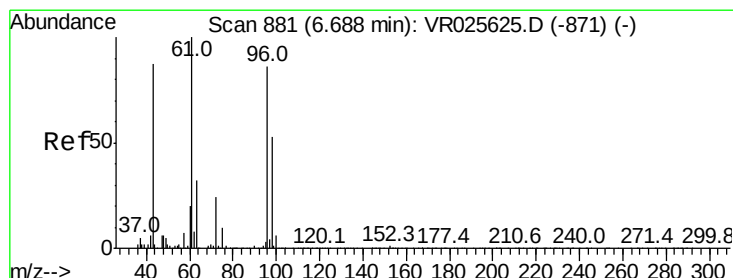
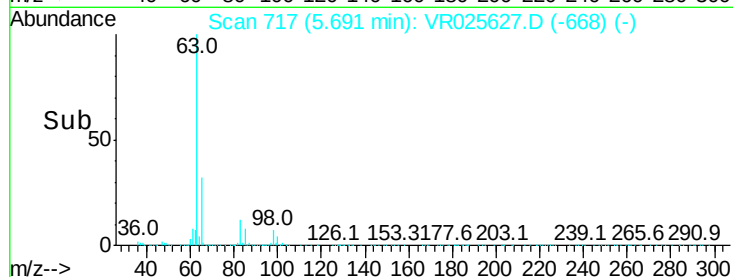
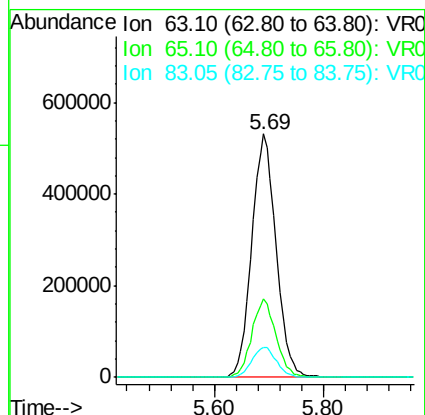
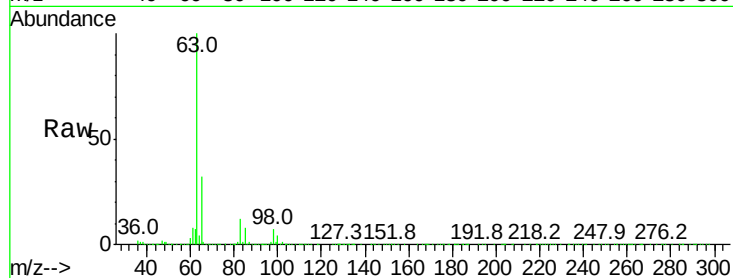




#19
 1,1-Dichloroethane
 Concen: 23.787 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

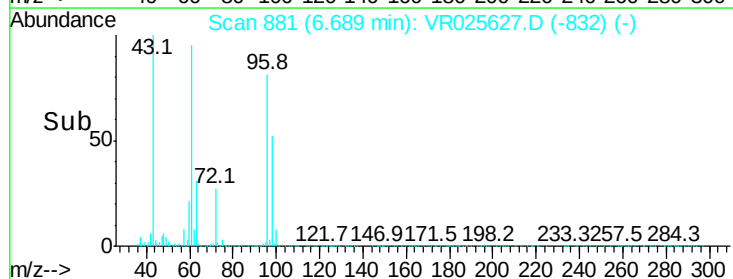
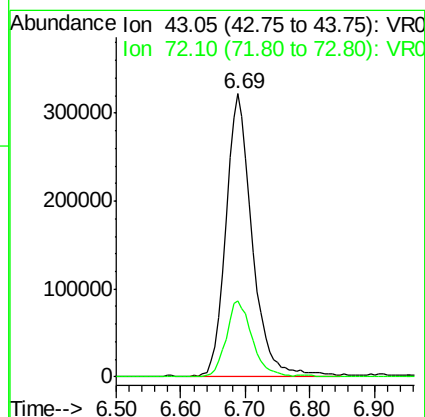
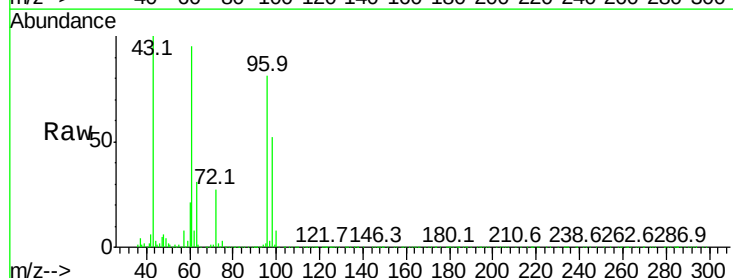
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

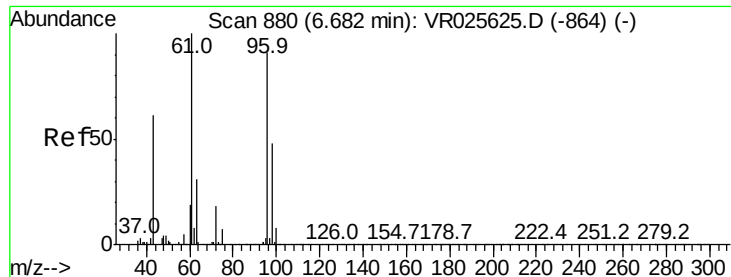
Tgt Ion: 63 Resp: 1638536
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.9 42.5
 83 12.2 9.1 16.9



#21
 2-Butanone
 Concen: 181.891 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

Tgt Ion: 43 Resp: 919452
 Ion Ratio Lower Upper
 43 100
 72 26.5 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 22.540 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

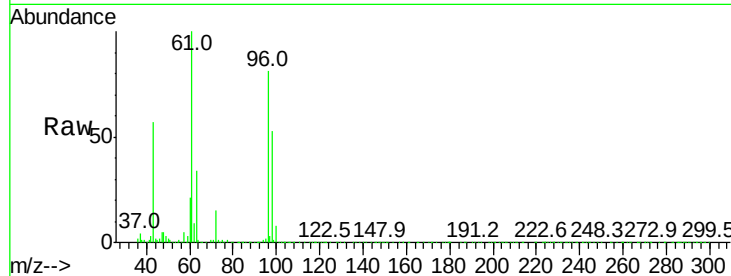
Tgt Ion: 96 Resp: 981979

Ion Ratio Lower Upper

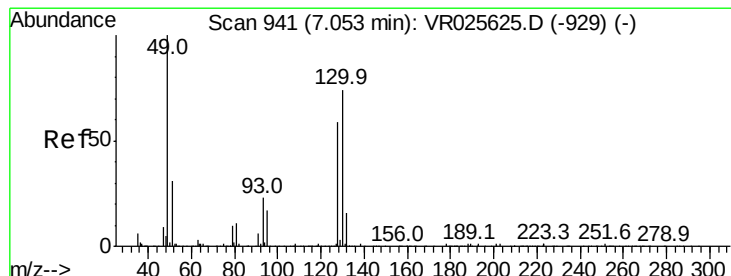
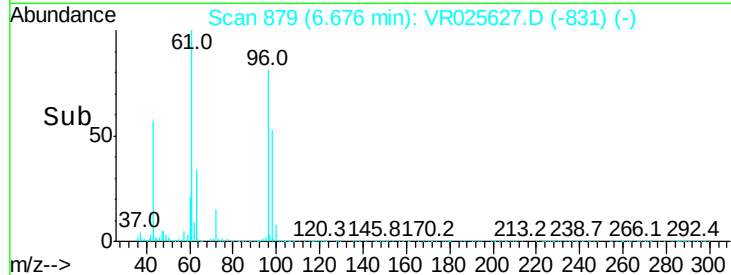
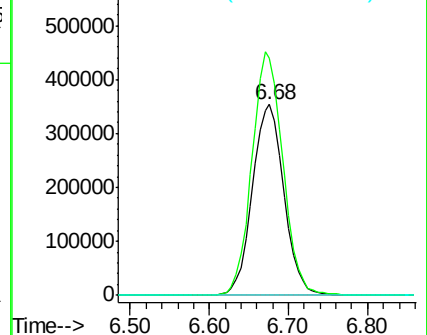
96 100

61 124.0 76.7 142.5

68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



#23

Bromochloromethane

Concen: 17.041 ug/L

RT: 7.05 min Scan# 941

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Tgt Ion:128 Resp: 281971

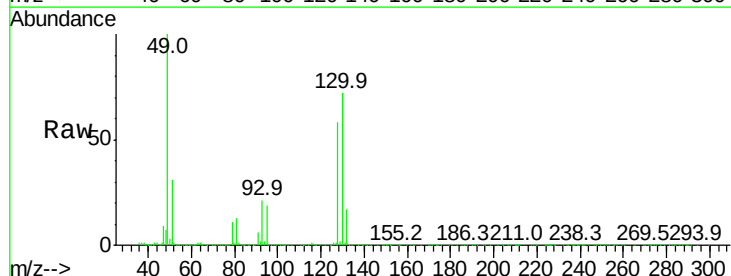
Ion Ratio Lower Upper

128 100

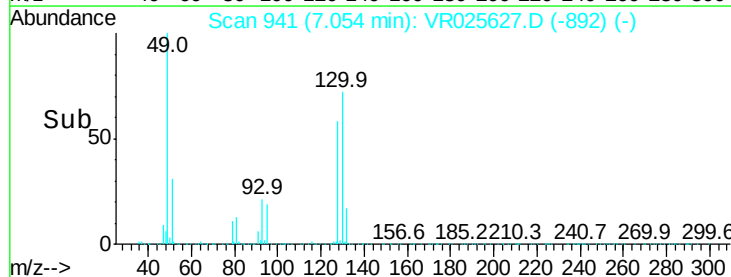
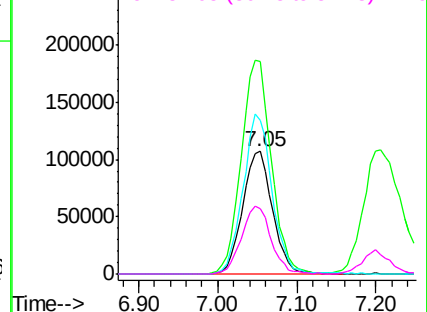
49 173.7 118.1 219.3

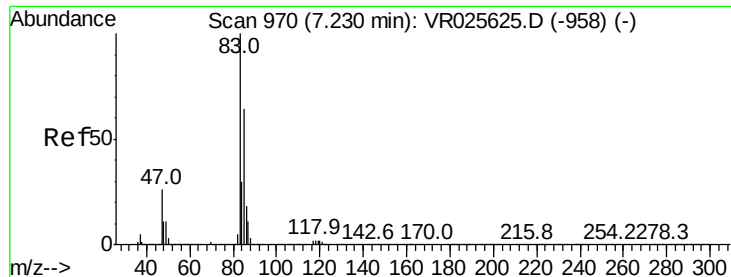
130 125.3 87.6 162.6

51 53.4 41.3 61.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 20.018 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

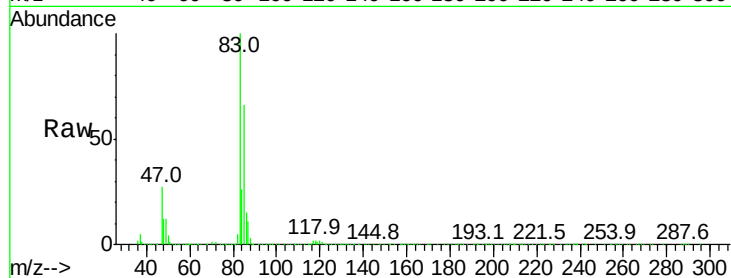
VSTD02085

Tgt Ion: 83 Resp: 1444614

Ion Ratio Lower Upper

83 100

85 66.1 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

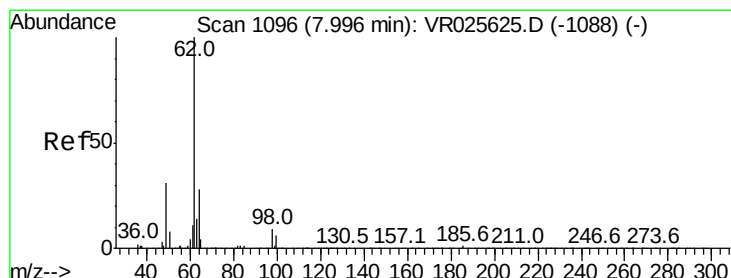
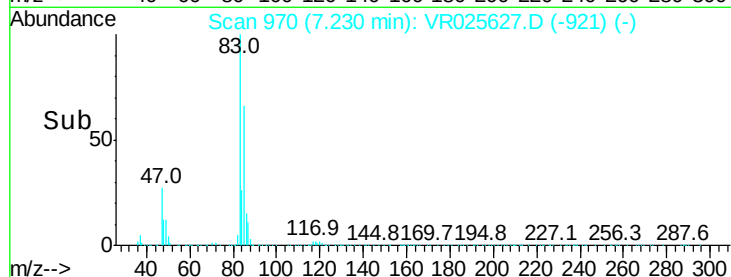
600000

400000

200000

0

Time--> 7.10 7.20 7.30



#27

1,2-Dichloroethane

Concen: 18.922 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VR025627.D

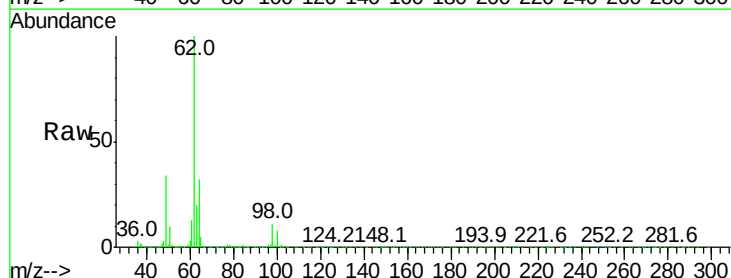
Acq: 21 Aug 2018 14:15

Tgt Ion: 62 Resp: 551621

Ion Ratio Lower Upper

62 100

98 10.7 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

300000

250000

200000

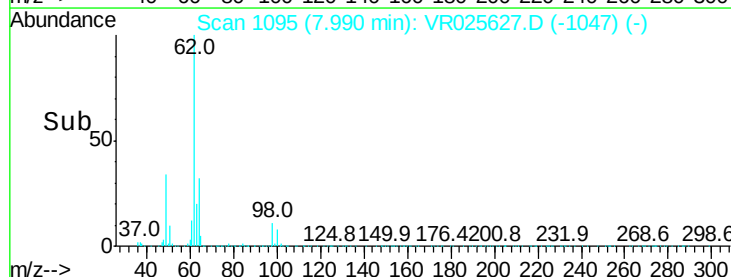
150000

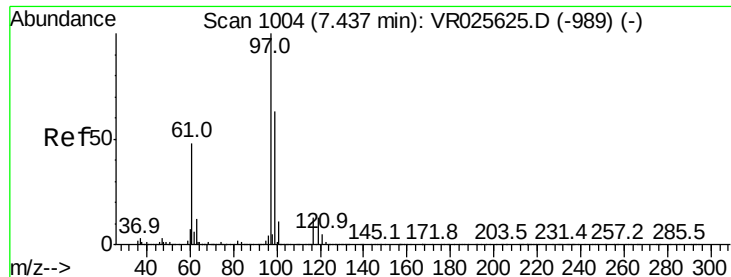
100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10





#29

1,1,1-Trichloroethane

Concen: 22.689 ug/L

RT: 7.43 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

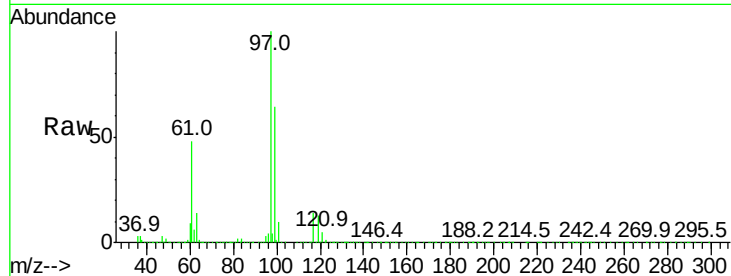
Tgt Ion: 97 Resp: 1070692

Ion Ratio Lower Upper

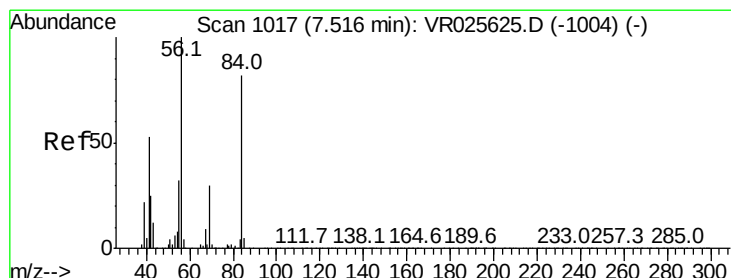
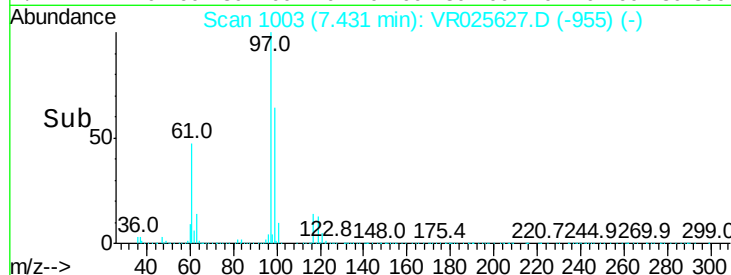
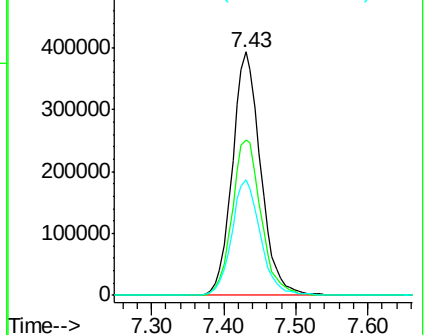
97 100

99 65.2 52.6 79.0

61 48.0 39.6 59.4



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: 34.204 ug/L

RT: 7.52 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

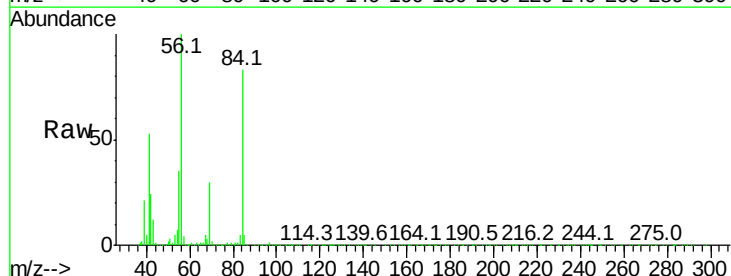
Tgt Ion: 56 Resp: 1590567

Ion Ratio Lower Upper

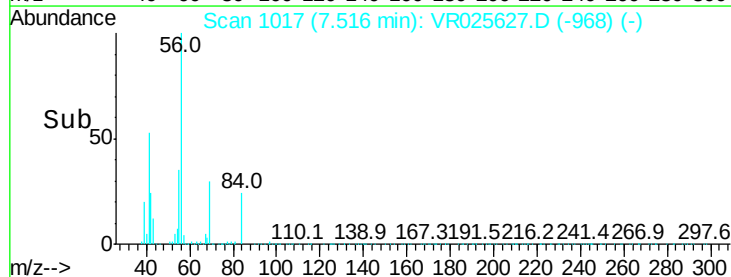
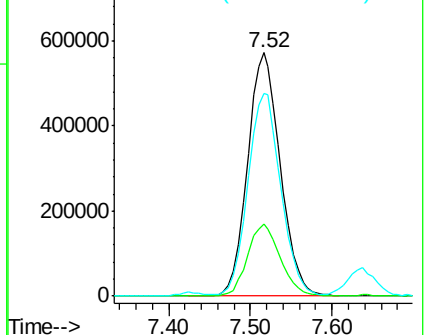
56 100

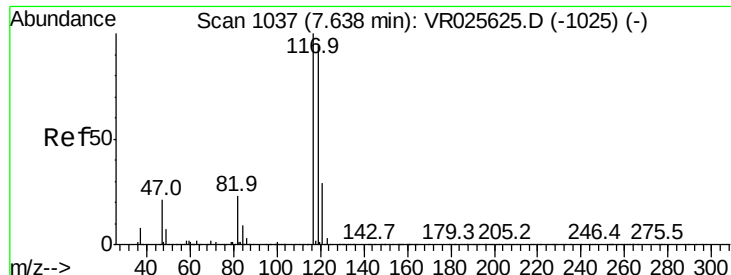
69 29.8 23.8 35.8

84 84.1 68.2 102.4



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: 19.559 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

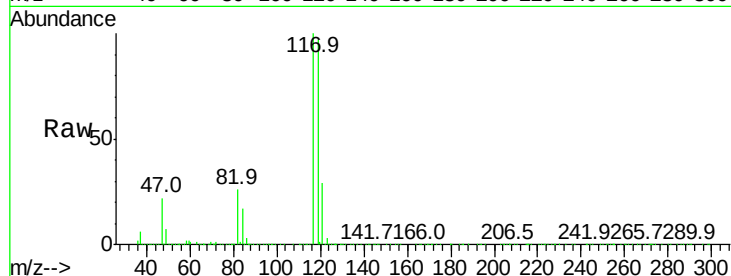
VSTD02085

Tgt Ion:117 Resp: 970051

Ion Ratio Lower Upper

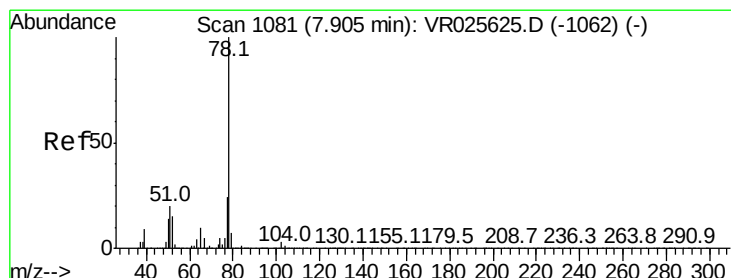
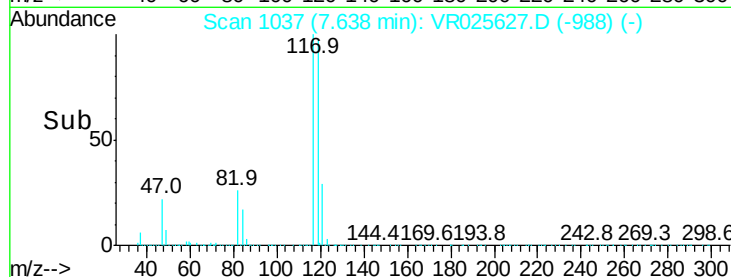
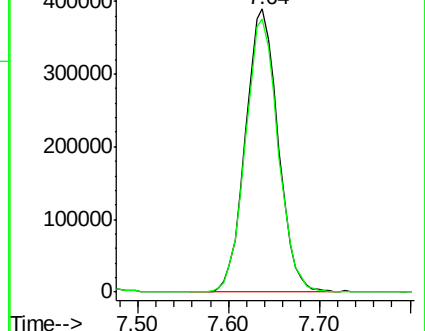
117 100

119 96.8 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: 24.406 ug/L

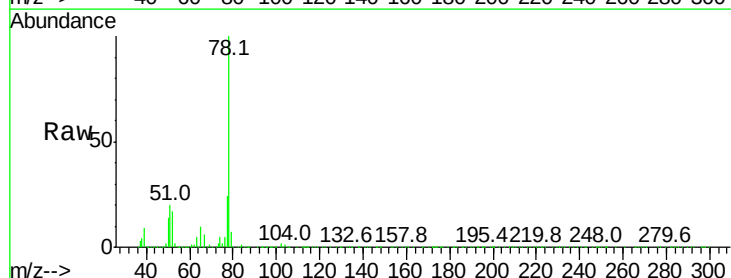
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

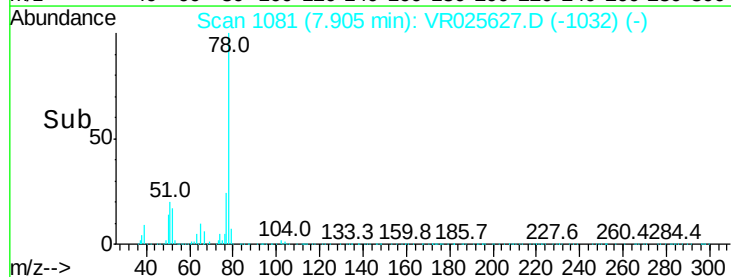
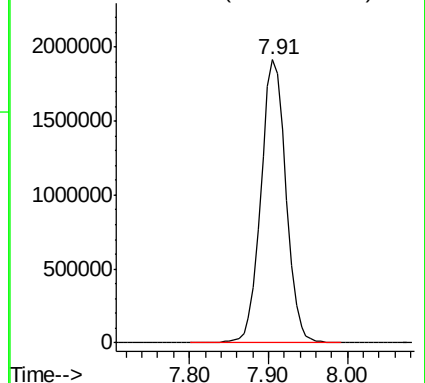
Lab File: VR025627.D

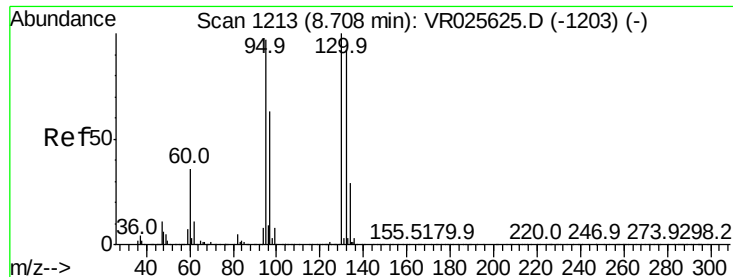
Acq: 21 Aug 2018 14:15

Tgt Ion: 78 Resp: 4236285



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 23.348 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 95 Resp: 961367

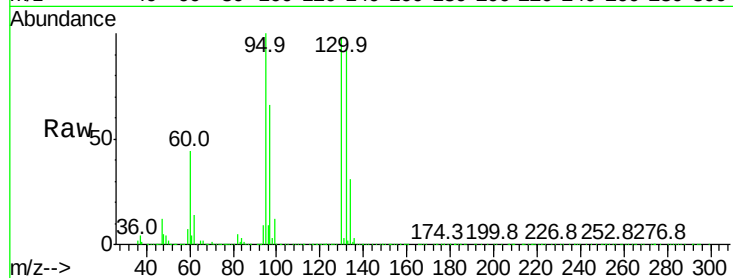
Ion Ratio Lower Upper

95 100

97 66.4 45.7 84.9

132 93.4 66.6 123.6

130 98.2 72.2 134.0

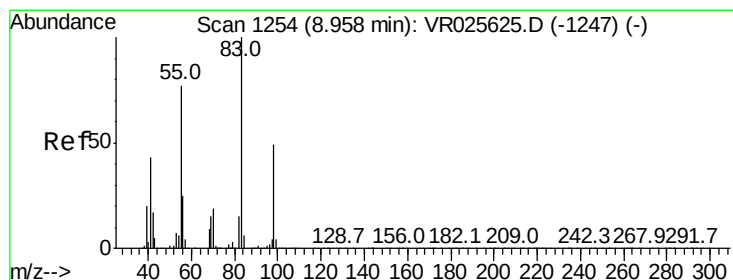
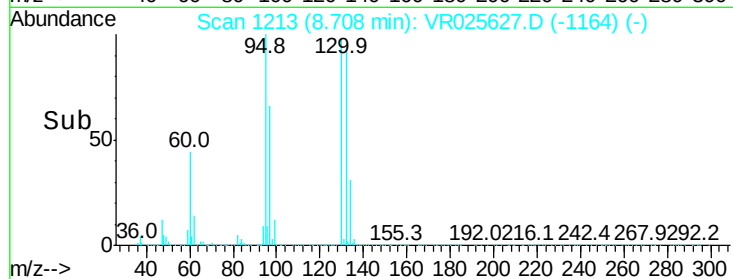
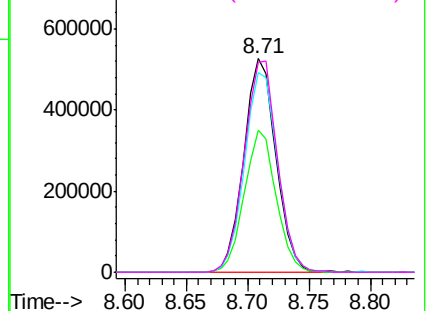


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 29.947 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

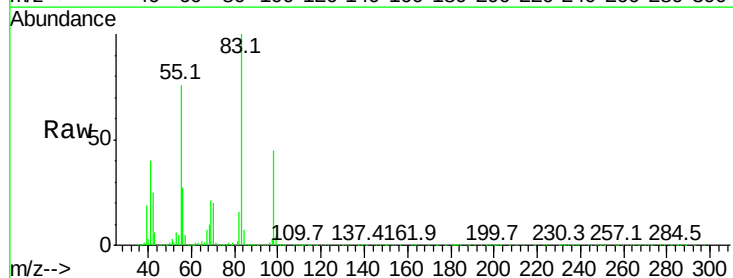
Tgt Ion: 83 Resp: 1673601

Ion Ratio Lower Upper

83 100

55 76.6 56.7 85.1

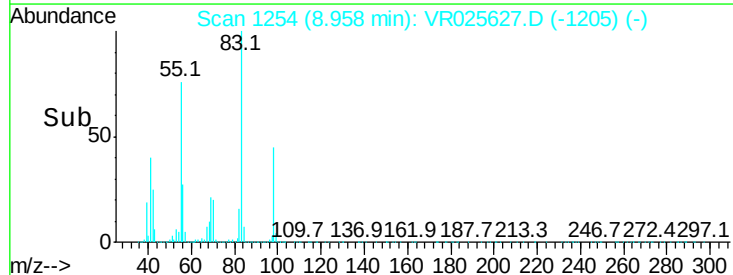
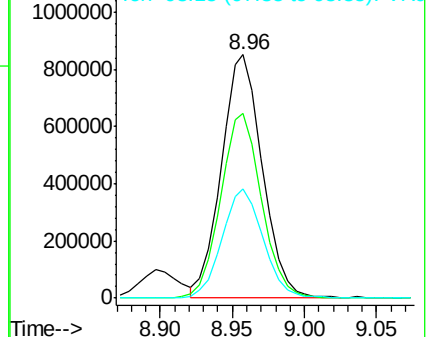
98 45.0 35.8 53.8

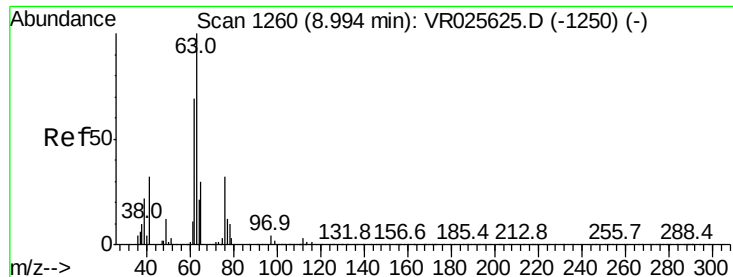


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 22.416 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampled :

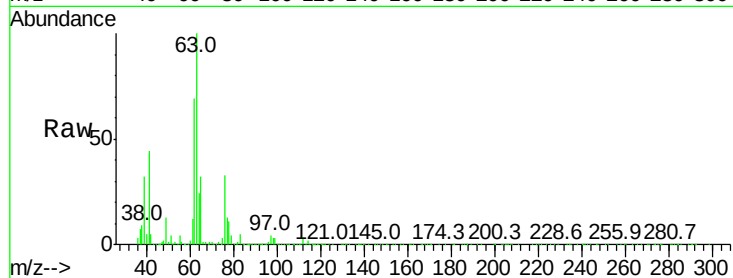
VSTD02085

Tgt Ion: 63 Resp: 889295

Ion Ratio Lower Upper

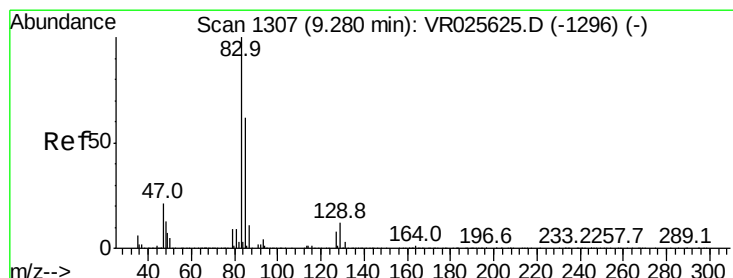
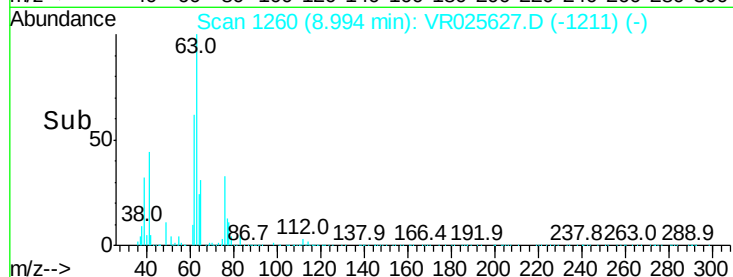
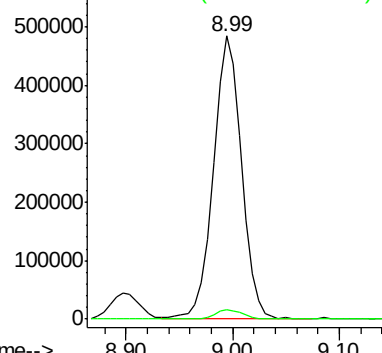
63 100

112 3.4 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 20.492 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

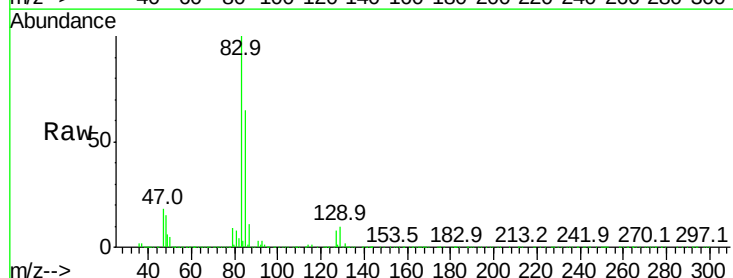
Tgt Ion: 83 Resp: 809161

Ion Ratio Lower Upper

83 100

85 65.0 43.2 80.2

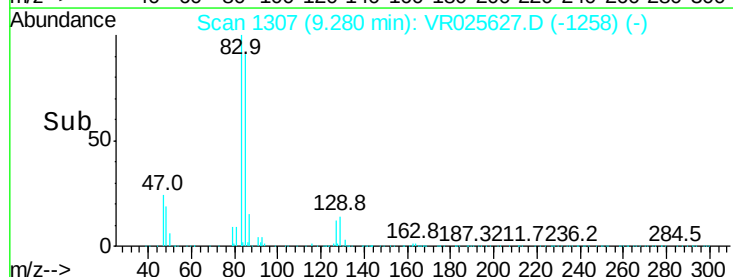
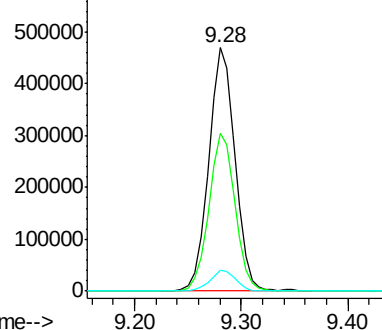
127 8.5 6.4 9.6

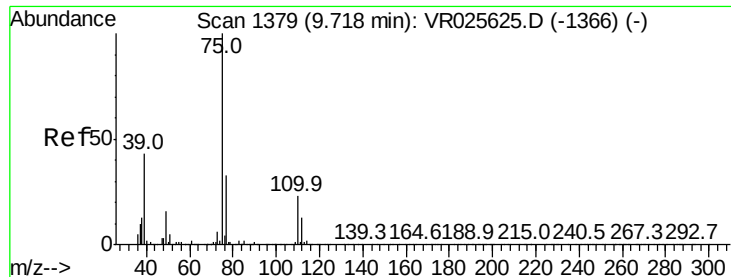


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 27.947 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

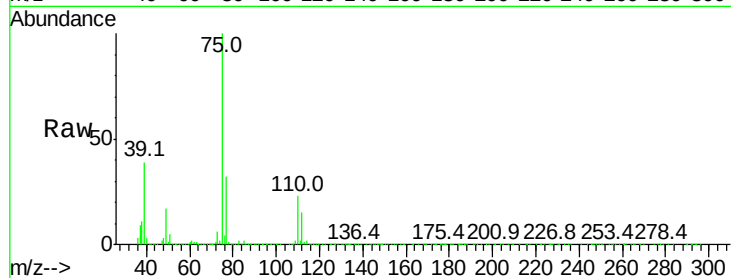
VSTD02085

Tgt Ion: 75 Resp: 1092647

Ion Ratio Lower Upper

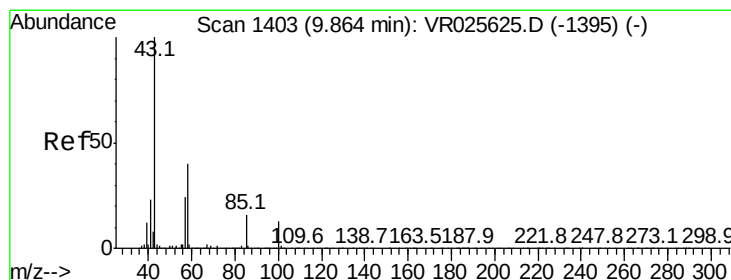
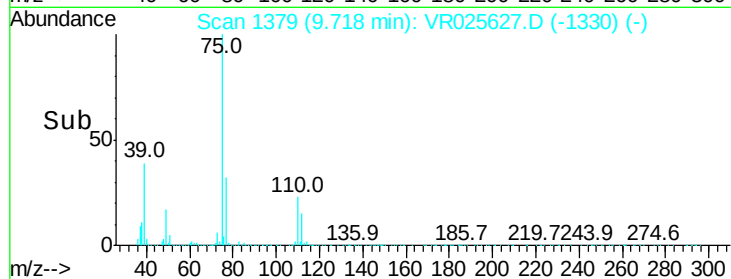
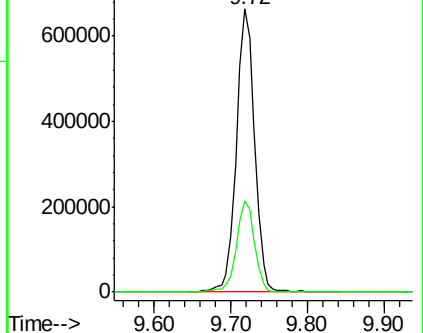
75 100

77 32.2 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 217.693 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

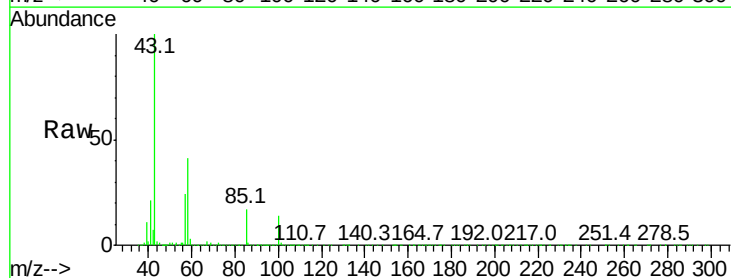
Tgt Ion: 43 Resp: 2595890

Ion Ratio Lower Upper

43 100

58 40.8 31.4 47.2

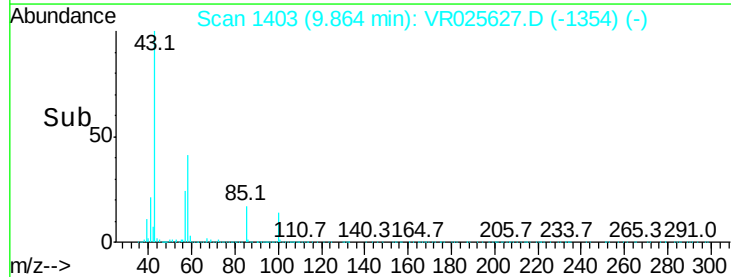
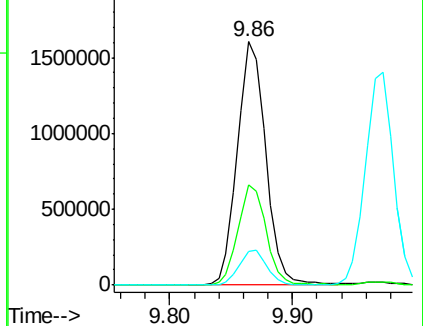
100 14.1 11.5 17.3

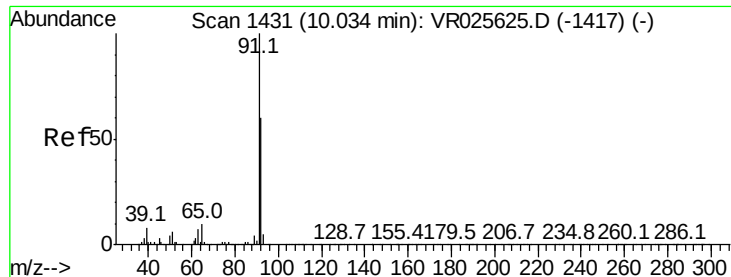


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 23.722 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

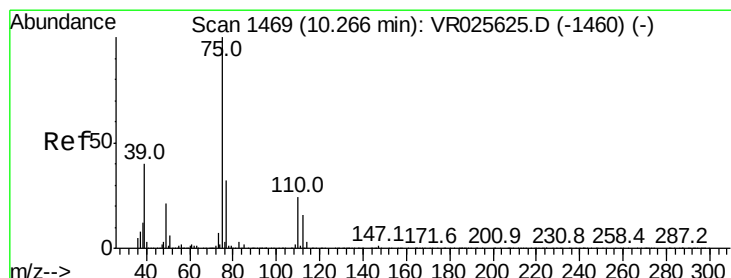
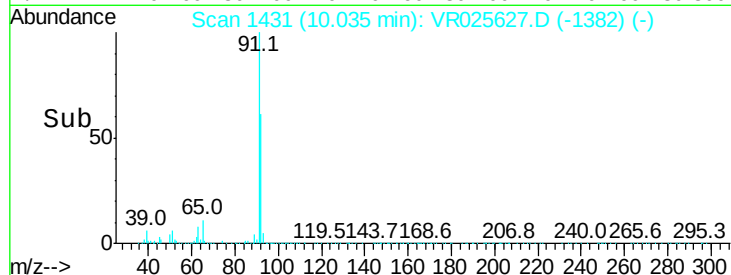
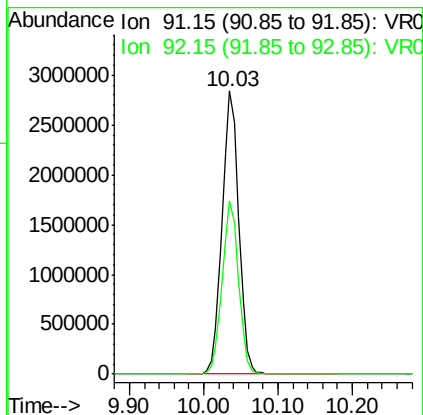
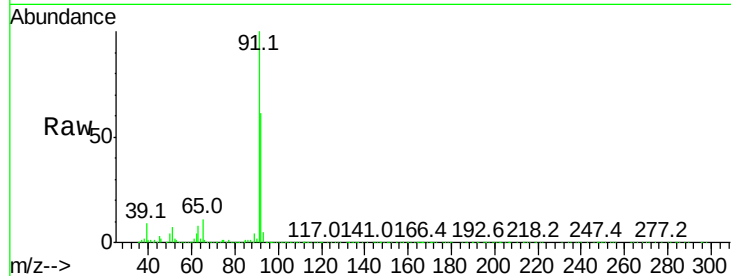
VSTD02085

Tgt Ion: 91 Resp: 4438352

Ion Ratio Lower Upper

91 100

92 61.1 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 26.352 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025627.D

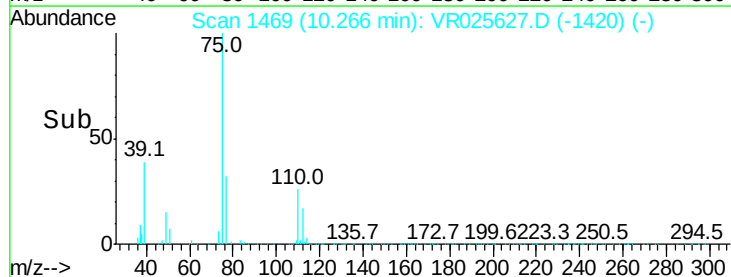
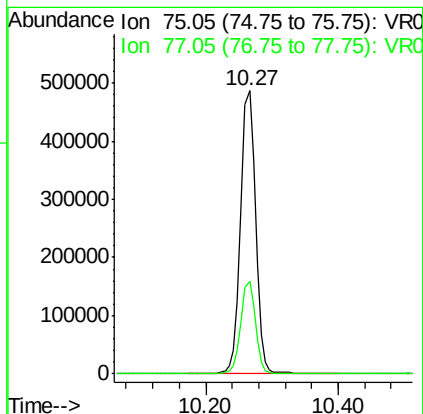
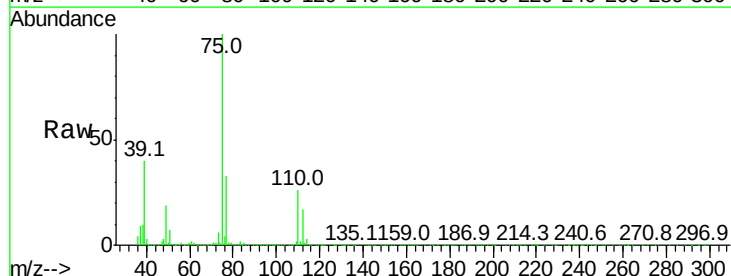
Acq: 21 Aug 2018 14:15

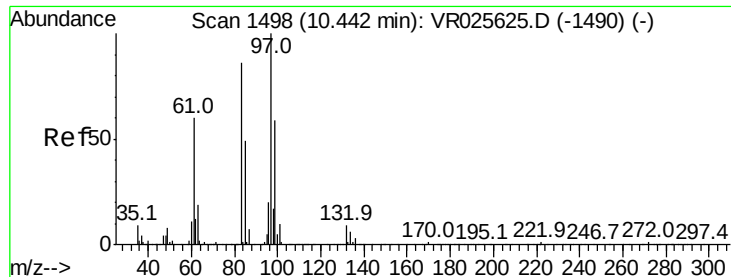
Tgt Ion: 75 Resp: 764580

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 18.819 ug/L

RT: 10.45 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 97 Resp: 395254

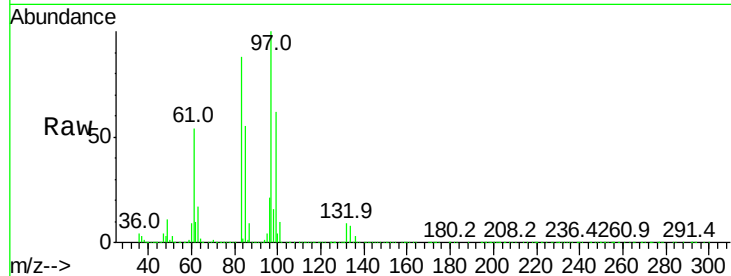
Ion Ratio Lower Upper

97 100

99 61.9 41.2 76.6

83 88.2 60.1 111.7

85 55.2 34.3 63.7

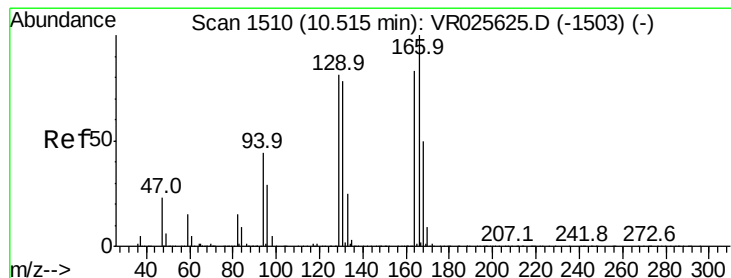
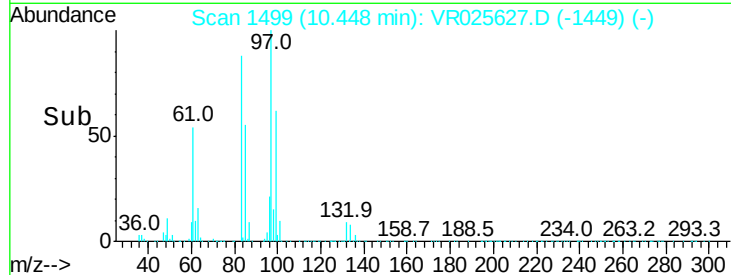
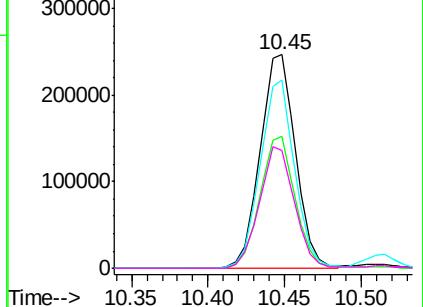


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 19.677 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Tgt Ion: 164 Resp: 715678

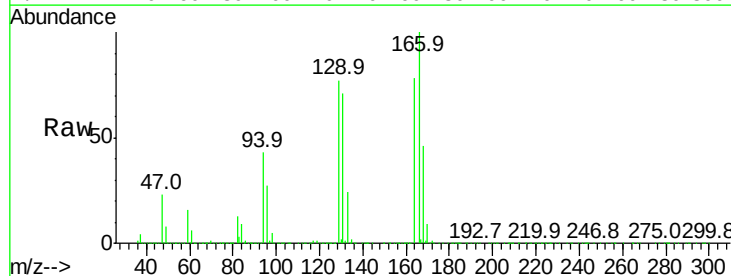
Ion Ratio Lower Upper

164 100

129 97.9 68.7 127.5

131 91.0 66.4 123.4

166 127.9 84.6 157.0

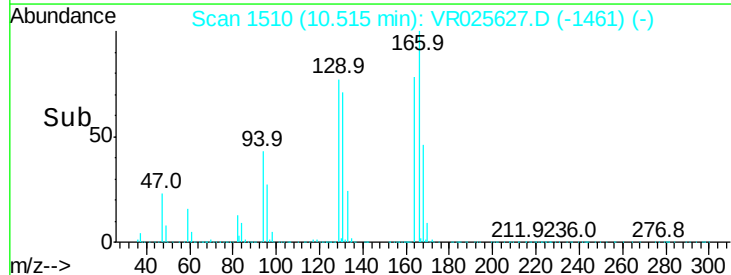
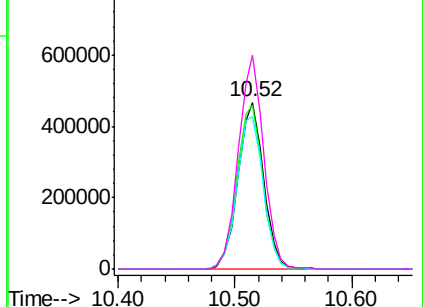


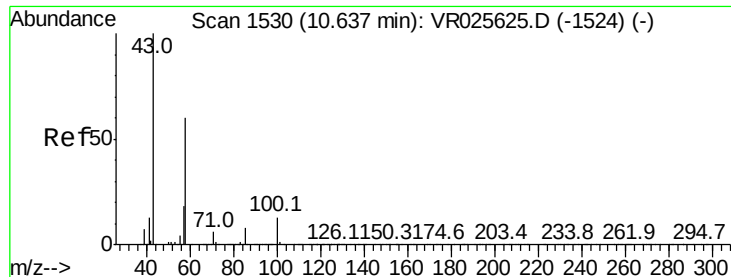
Abundance Ion 163.90 (163.60 to 164.60): V

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



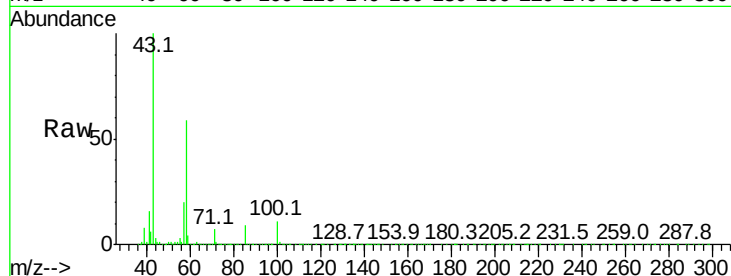


#48
2-Hexanone
Concen: 206.100 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

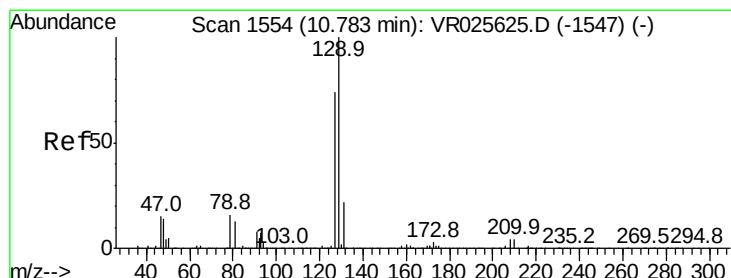
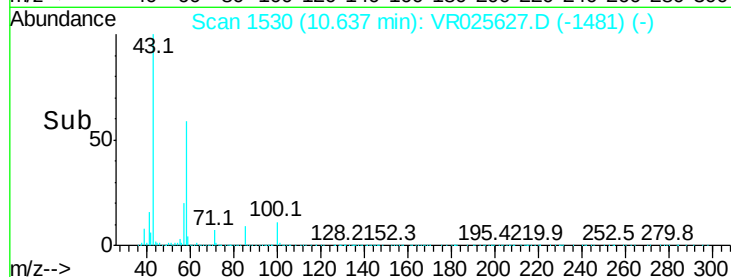
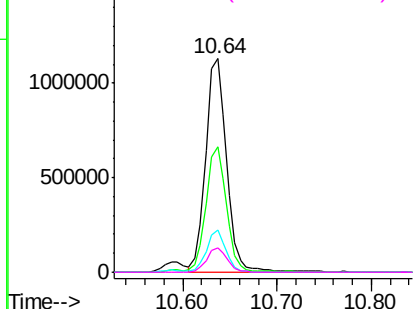
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 43 Resp: 1723231

Ion	Ratio	Lower	Upper
43	100		
58	59.6	46.4	69.6
57	18.5	14.3	21.5
100	11.1	8.8	13.2



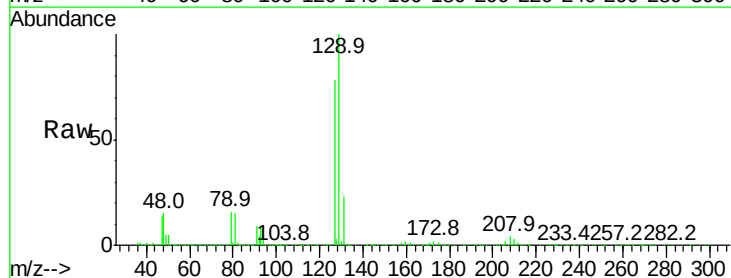
Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0



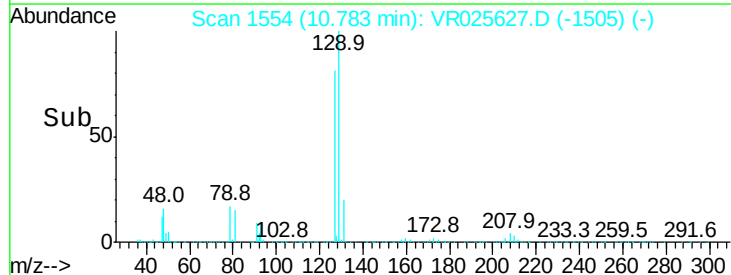
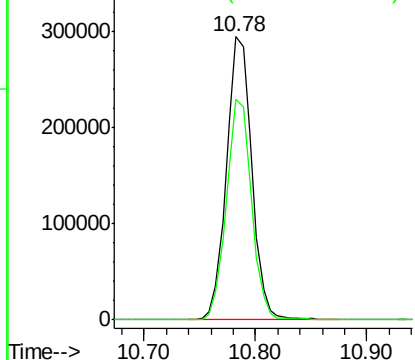
#49
Dibromochloromethane
Concen: 18.603 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

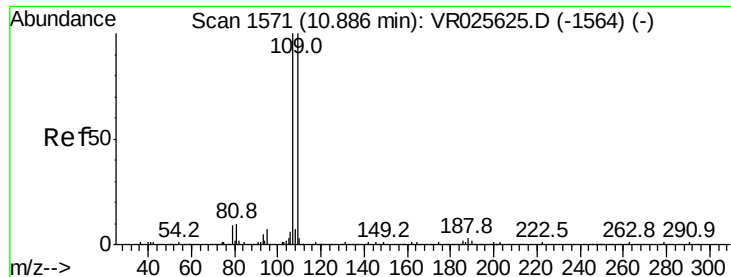
Tgt Ion: 129 Resp: 462427

Ion	Ratio	Lower	Upper
129	100		
127	78.2	51.6	95.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

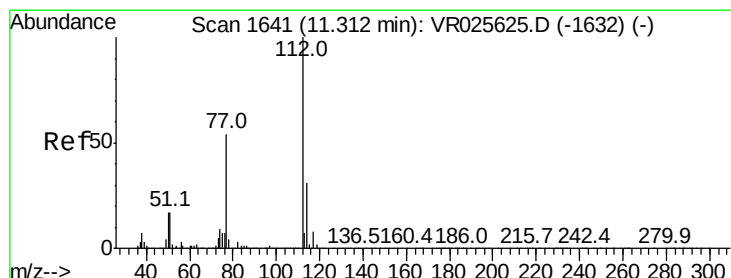
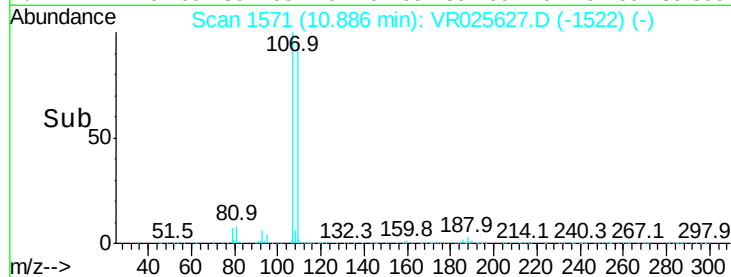
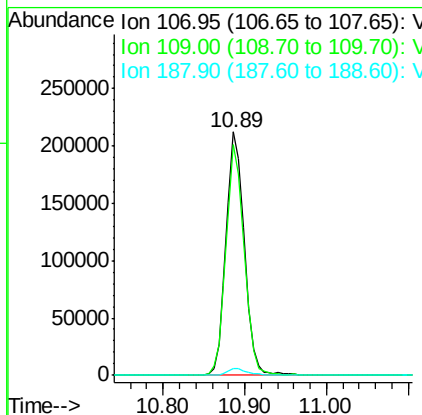
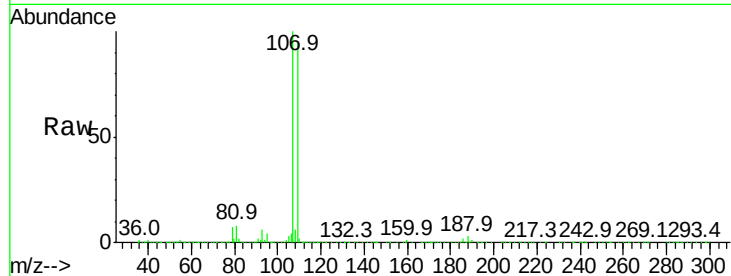




#50
1,2-Dibromoethane
Concen: 18.424 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

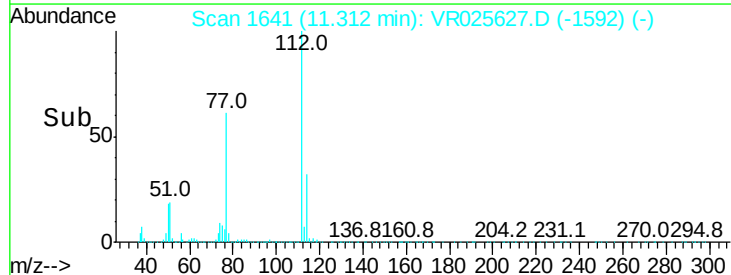
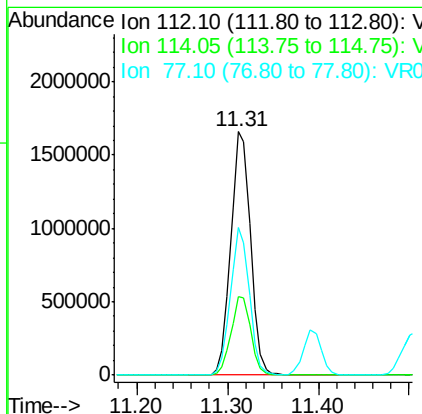
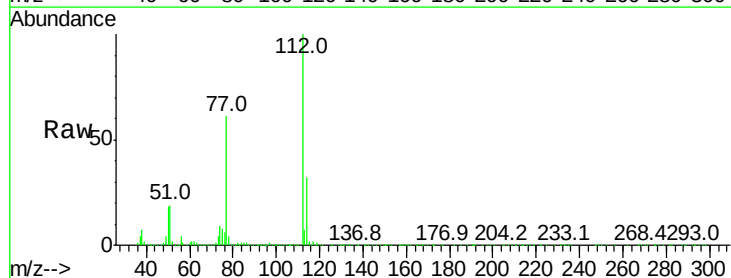
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

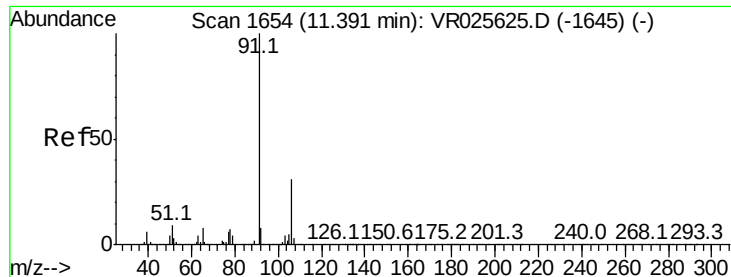
Tgt Ion:107 Resp: 330322
Ion Ratio Lower Upper
107 100
109 94.6 70.1 130.1
188 2.9 2.6 3.8



#51
Chlorobenzene
Concen: 21.016 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025627.D
Acq: 21 Aug 2018 14:15

Tgt Ion:112 Resp: 2508195
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.4
77 60.6 43.0 64.4





#52

Ethylbenzene

Concen: 25.374 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

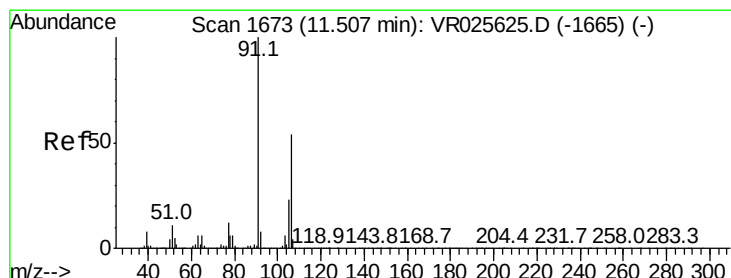
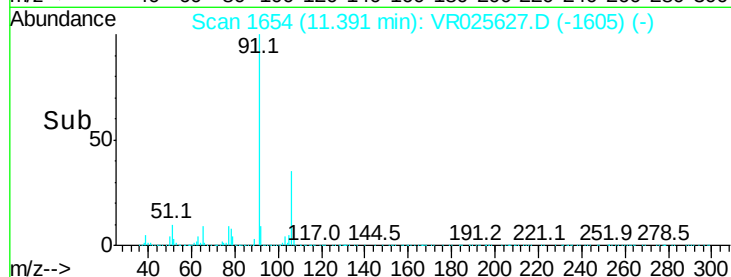
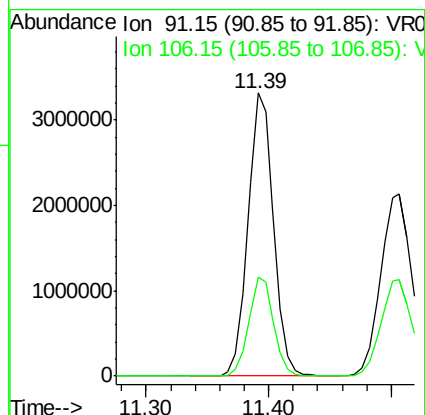
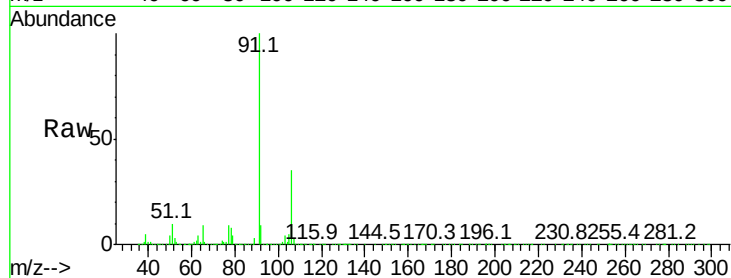
VSTD02085

Tgt Ion: 91 Resp: 4787891

Ion Ratio Lower Upper

91 100

106 34.8 21.9 40.7



#53

m,p-Xylene

Concen: 26.437 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025627.D

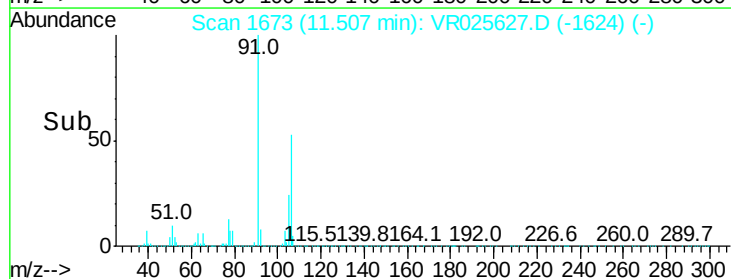
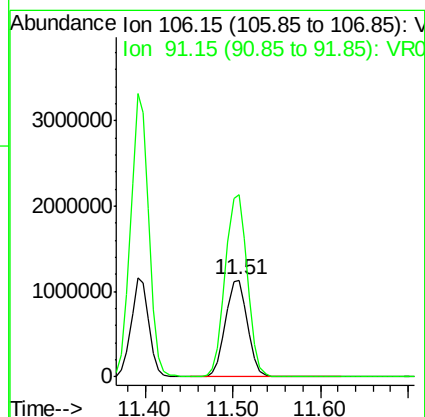
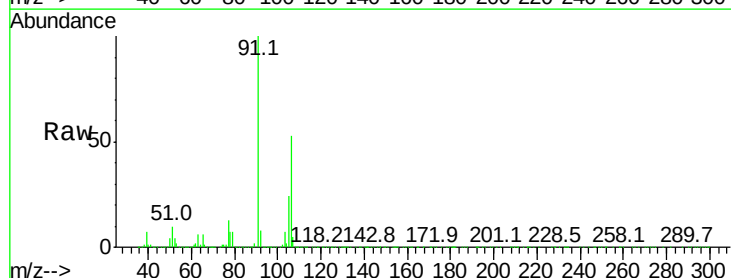
Acq: 21 Aug 2018 14:15

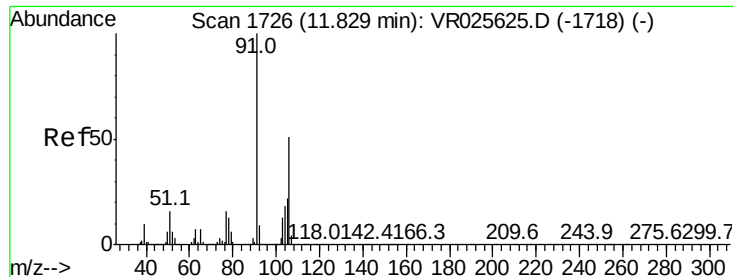
Tgt Ion: 106 Resp: 1974491

Ion Ratio Lower Upper

106 100

91 188.1 130.9 243.1





#54

o-Xylene

Concen: 26.848 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

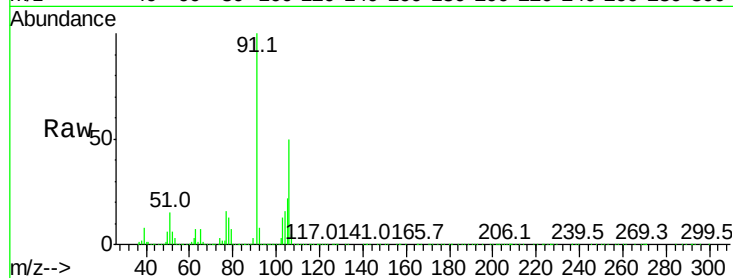
VSTD02085

Tgt Ion:106 Resp: 1868970

Ion Ratio Lower Upper

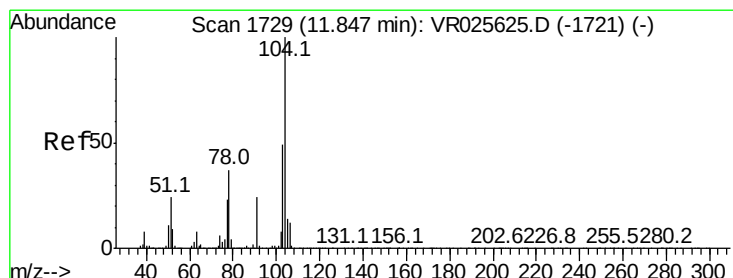
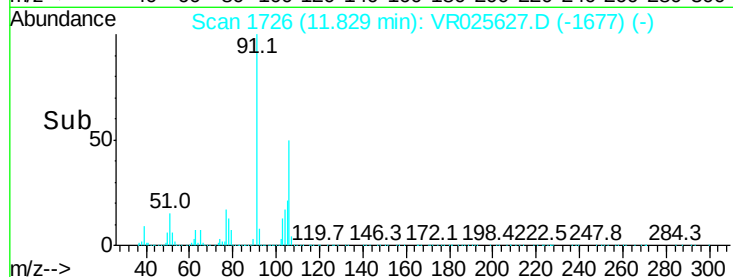
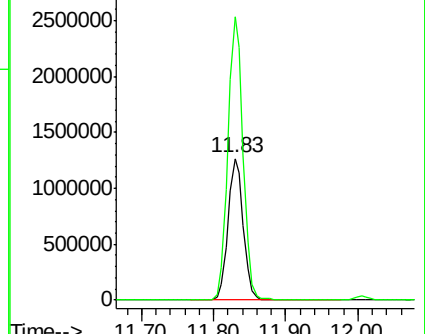
106 100

91 199.5 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 25.654 ug/L

RT: 11.85 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VR025627.D

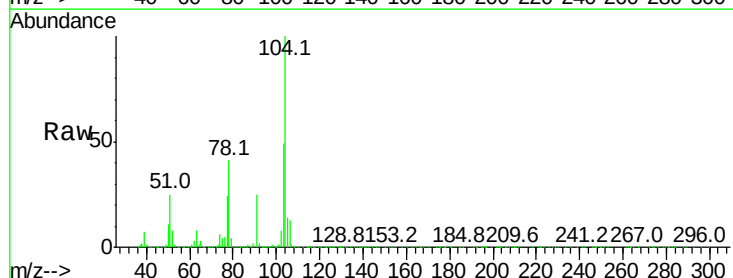
Acq: 21 Aug 2018 14:15

Tgt Ion:104 Resp: 2944823

Ion Ratio Lower Upper

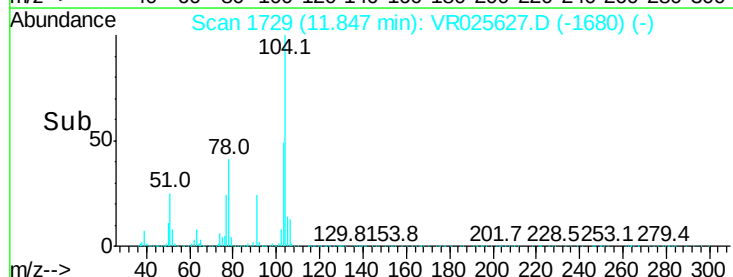
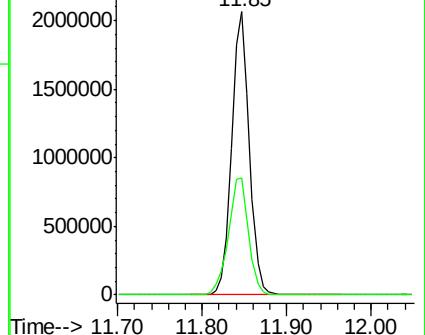
104 100

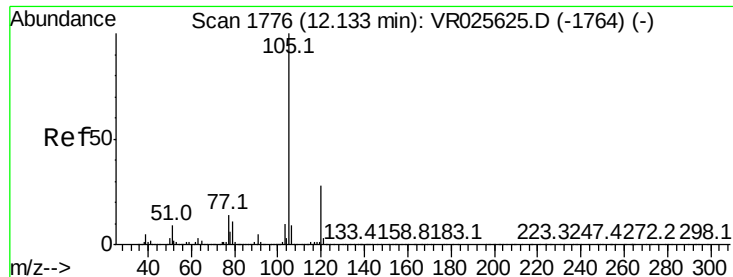
78 41.2 26.2 48.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 27.629 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

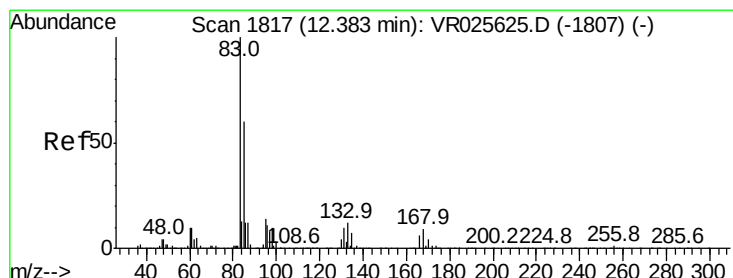
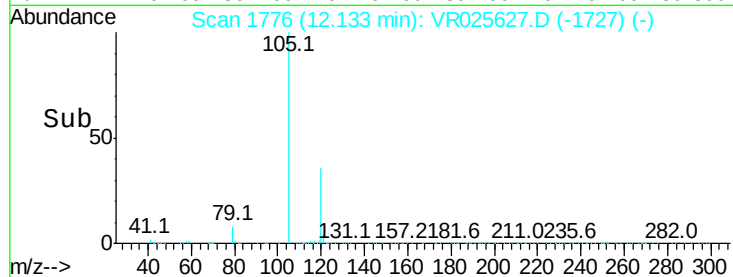
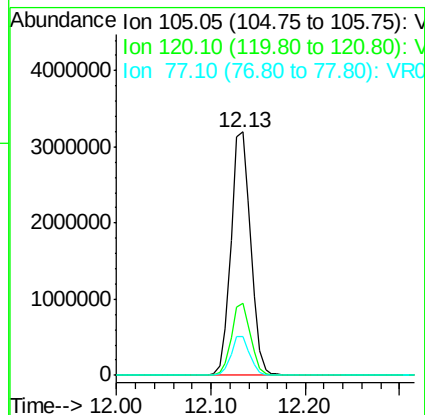
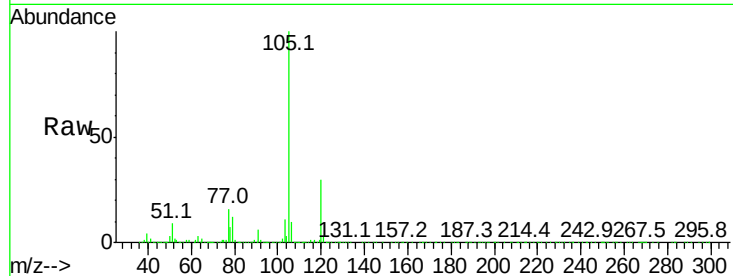
Tgt Ion:105 Resp: 4628403

Ion Ratio Lower Upper

105 100

120 28.6 22.2 33.4

77 15.3 11.6 17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 18.723 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

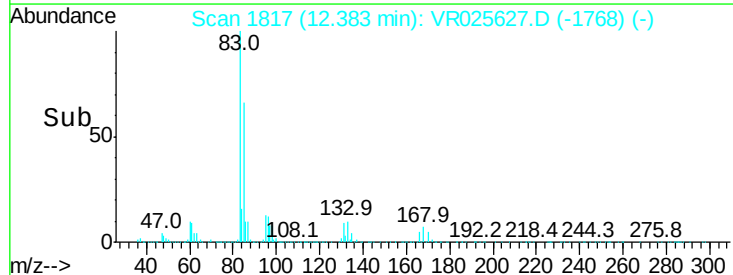
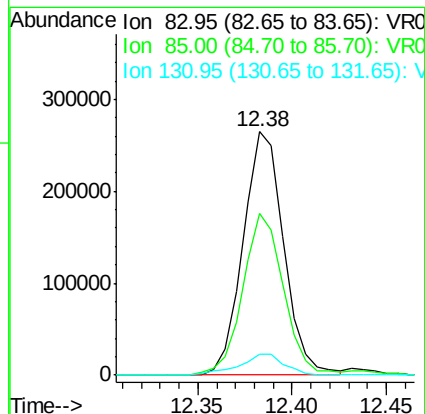
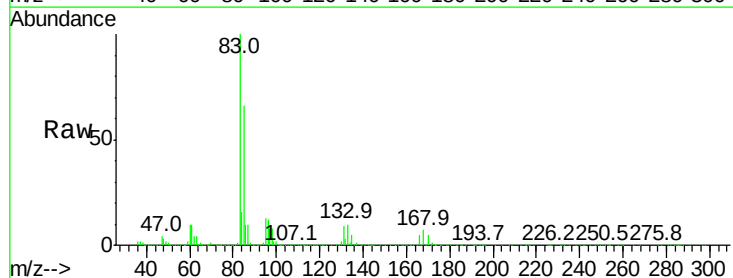
Tgt Ion: 83 Resp: 395476

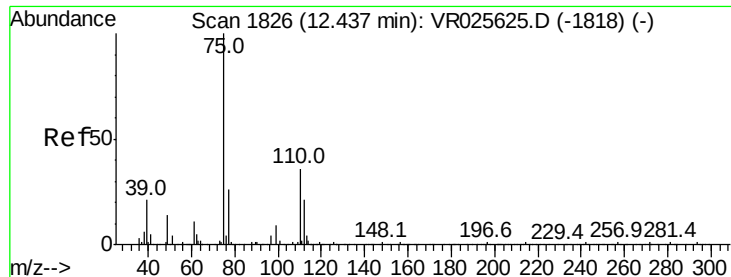
Ion Ratio Lower Upper

83 100

85 66.3 42.3 78.5

131 8.8 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 20.330 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

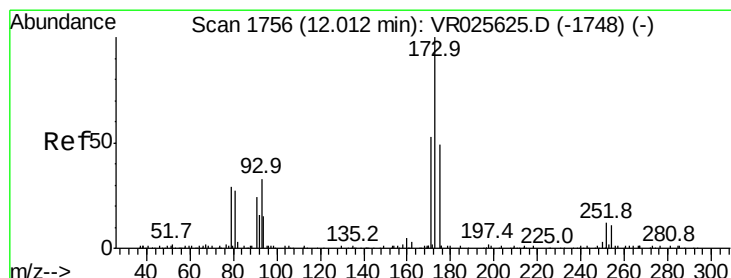
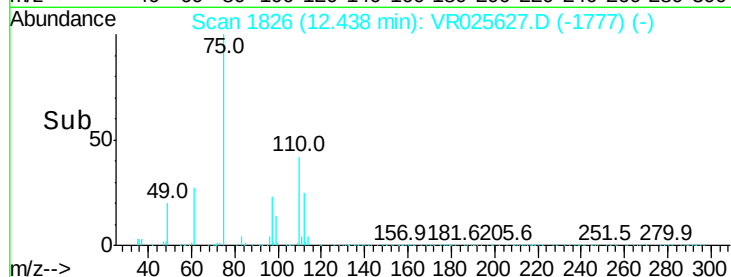
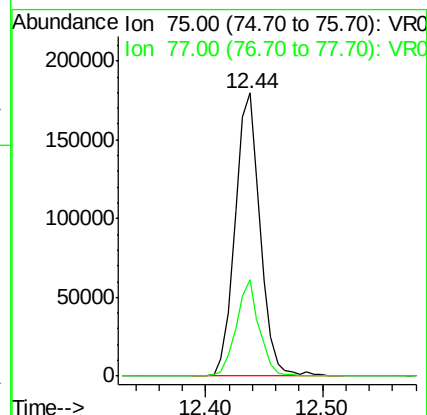
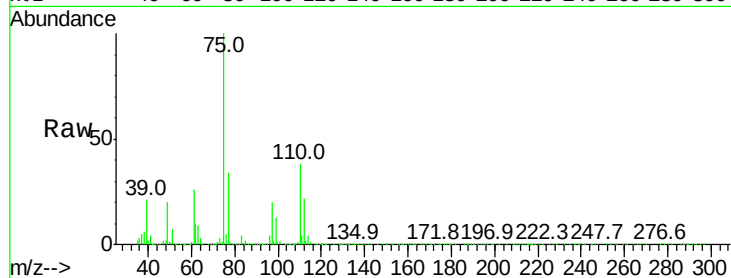
VSTD02085

Tgt Ion: 75 Resp: 267651

Ion Ratio Lower Upper

75 100

77 31.3 23.5 35.3



#61

Bromoform

Concen: 18.390 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

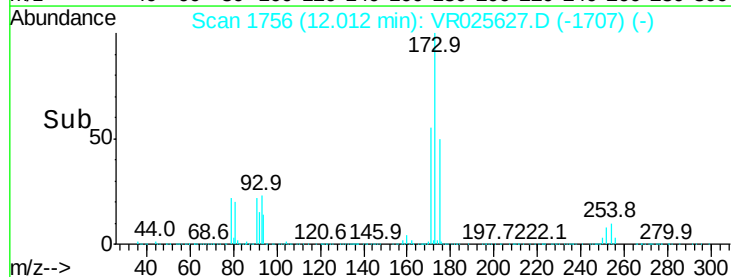
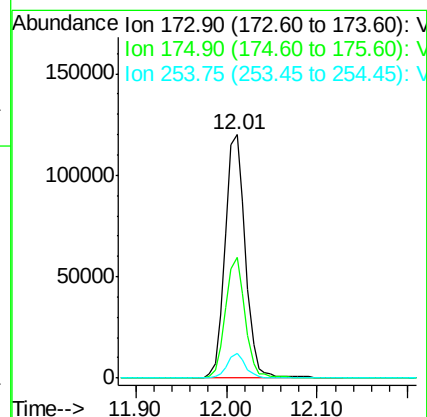
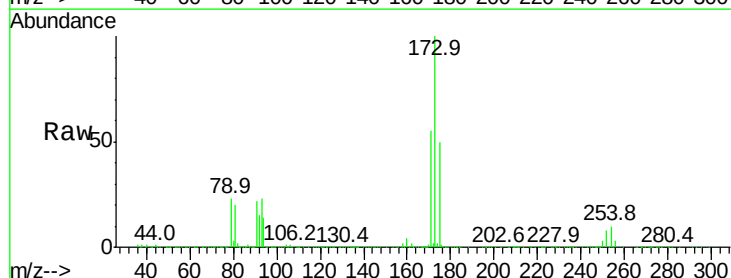
Tgt Ion: 173 Resp: 186070

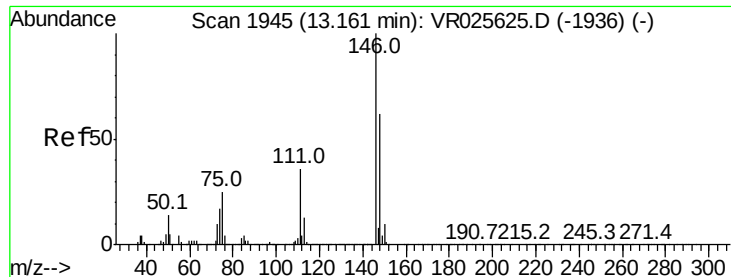
Ion Ratio Lower Upper

173 100

175 48.5 40.4 60.6

254 9.4 9.5 14.3#





#62

1,3-Dichlorobenzene

Concen: 23.504 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampled :

VSTD02085

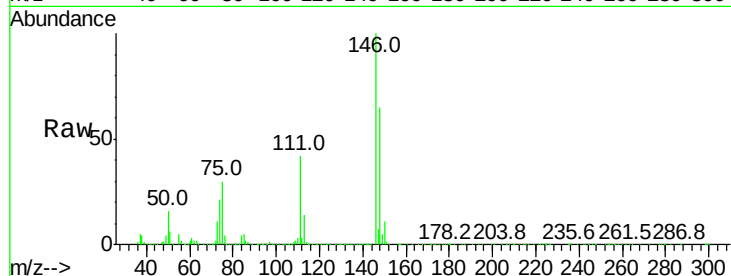
Tgt Ion:146 Resp: 1472589

Ion Ratio Lower Upper

146 100

111 41.6 24.8 46.1

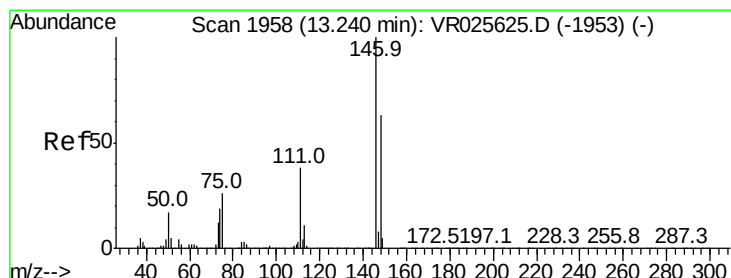
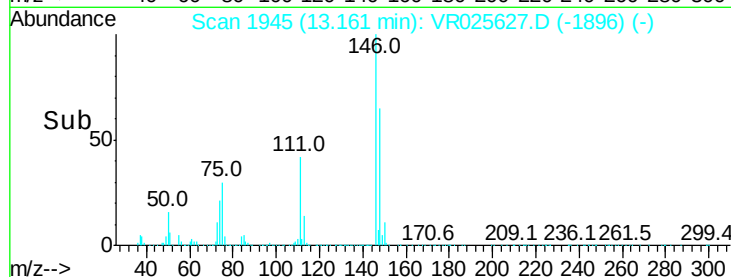
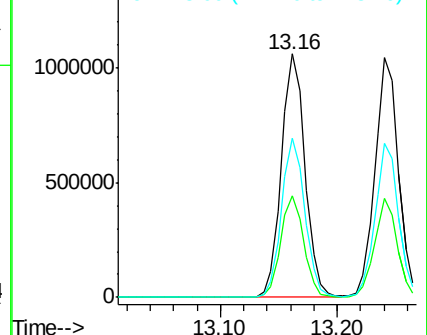
148 65.3 43.5 80.7



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: 19.348 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

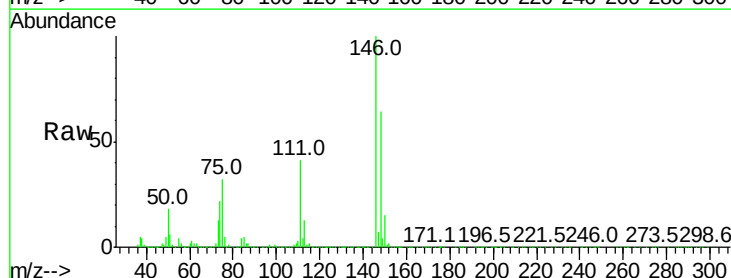
Tgt Ion:146 Resp: 1463774

Ion Ratio Lower Upper

146 100

111 41.3 26.7 49.5

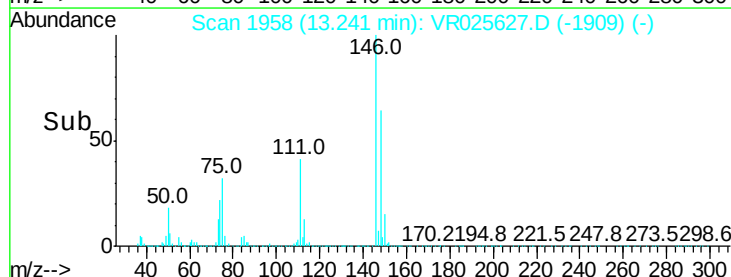
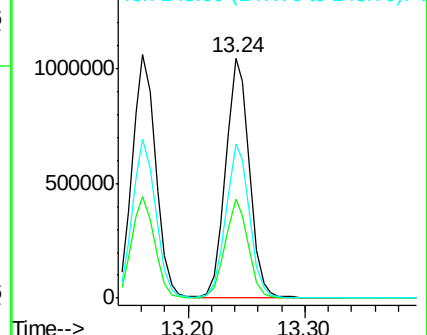
148 64.2 44.4 82.5

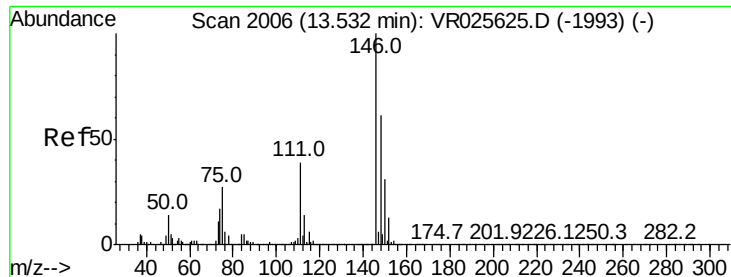


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

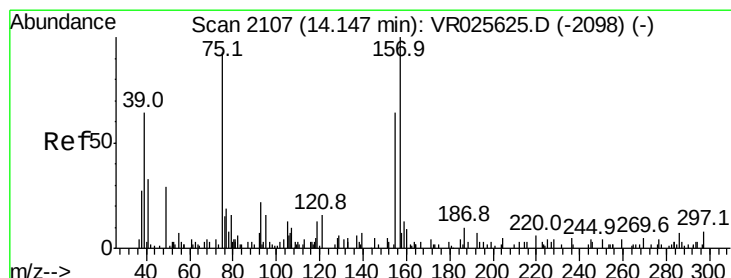
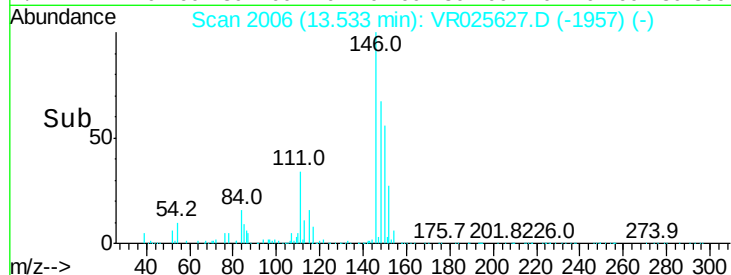
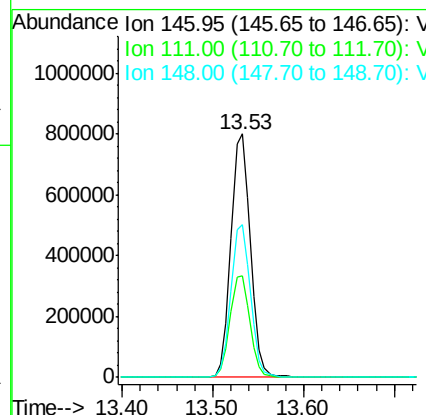
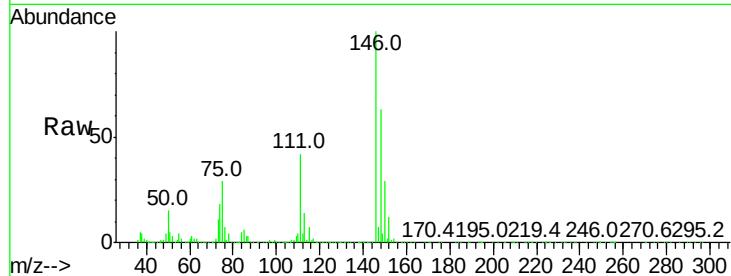




#65
 1,2-Dichlorobenzene
 Concen: 19.962 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

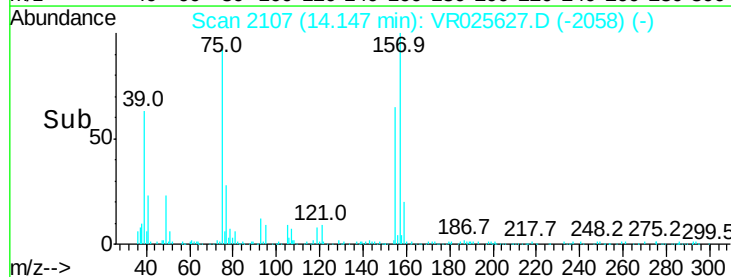
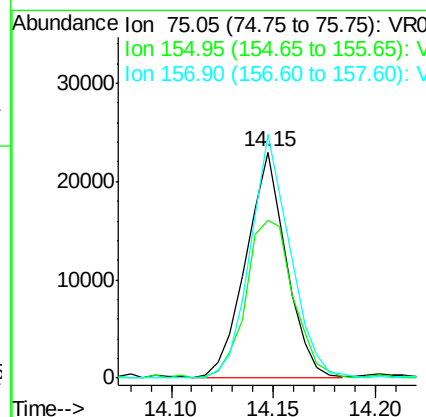
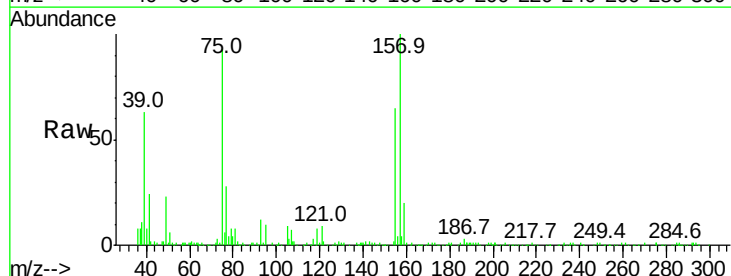
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02085

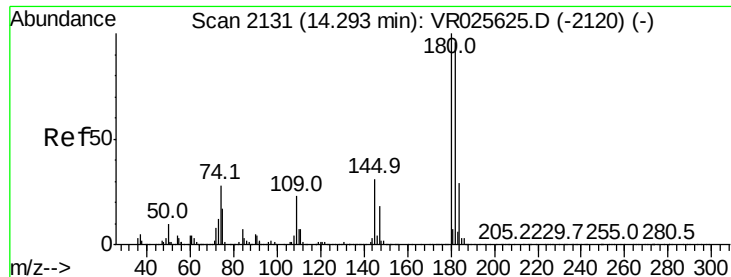
Tgt Ion:146 Resp: 1191712
 Ion Ratio Lower Upper
 146 100
 111 41.8 31.6 47.4
 148 62.9 48.7 73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.645 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

Tgt Ion: 75 Resp: 31546
 Ion Ratio Lower Upper
 75 100
 155 70.0 55.2 82.8
 157 107.8 89.4 134.2

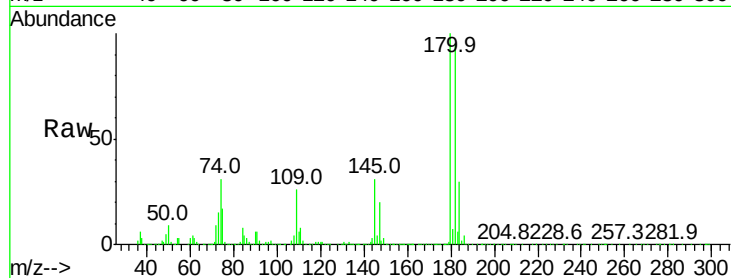




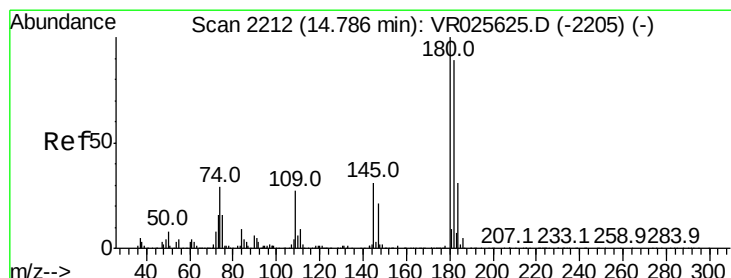
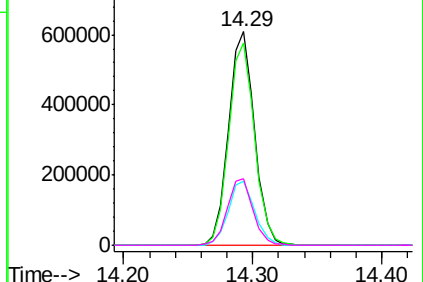
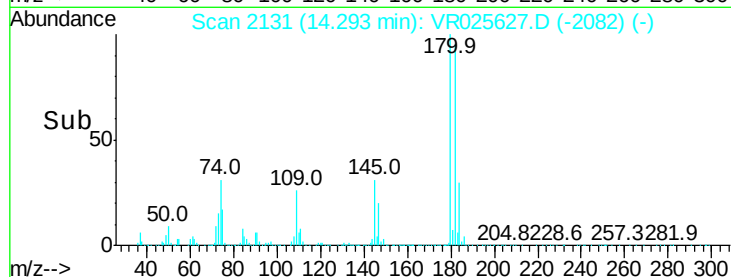
#67
 1,3,5-Trichlorobenzene
 Concen: 20.278 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion:	180	Resp:	855313
Ion Ratio	Lower	Upper	
180	100		
182	94.8	74.4	111.6
184	30.5	25.1	37.7
145	30.9	24.2	36.4

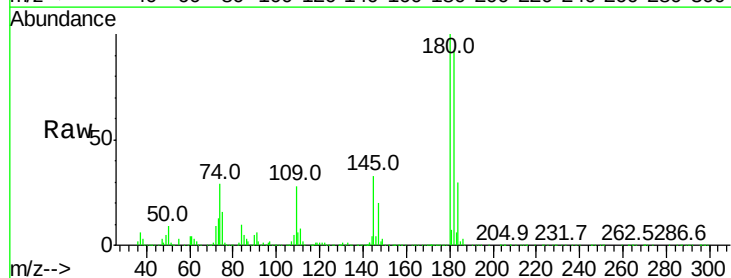


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

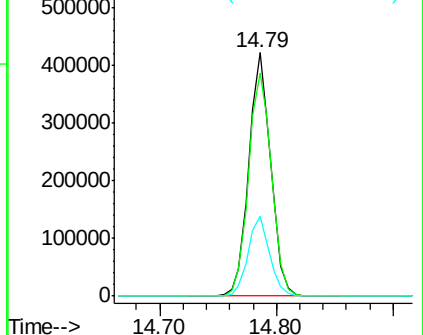
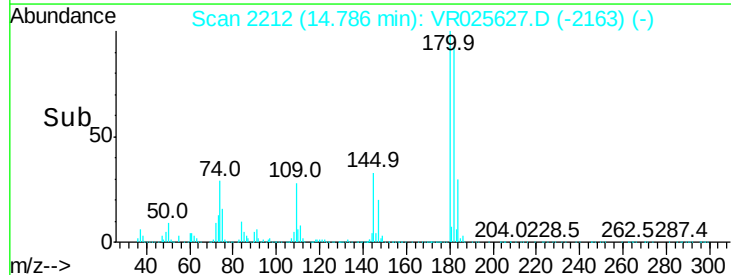


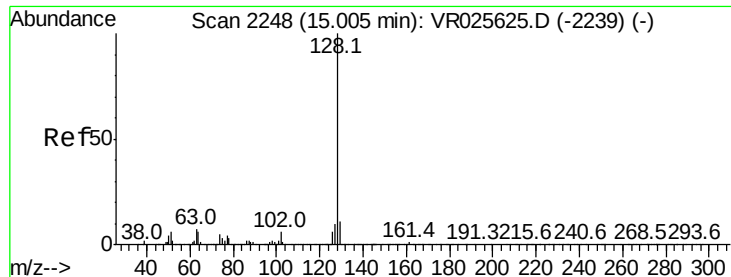
#68
 1,2,4-trichlorobenzene
 Concen: 21.260 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025627.D
 Acq: 21 Aug 2018 14:15

Tgt Ion:	180	Resp:	552476
Ion Ratio	Lower	Upper	
180	100		
182	96.1	75.0	112.6
145	32.2	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: 25.630 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

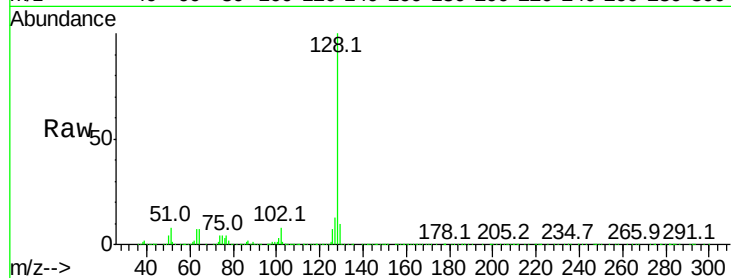
Tgt Ion:128 Resp: 779975

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

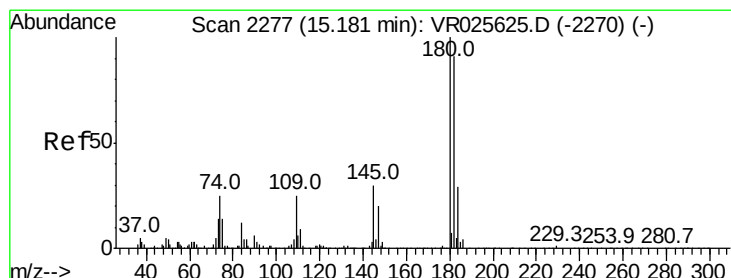
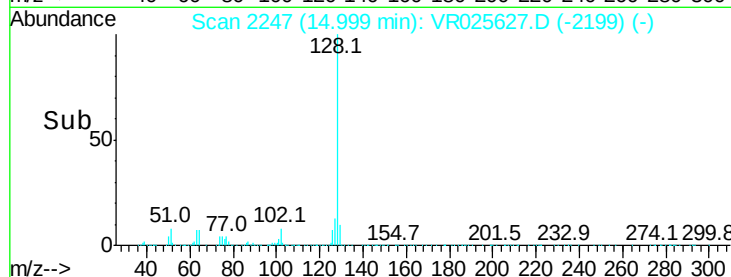
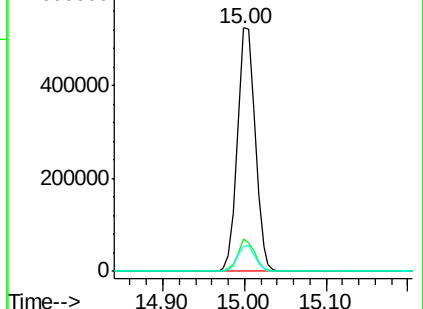
129 10.7 8.9 13.3



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: 18.317 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025627.D

Acq: 21 Aug 2018 14:15

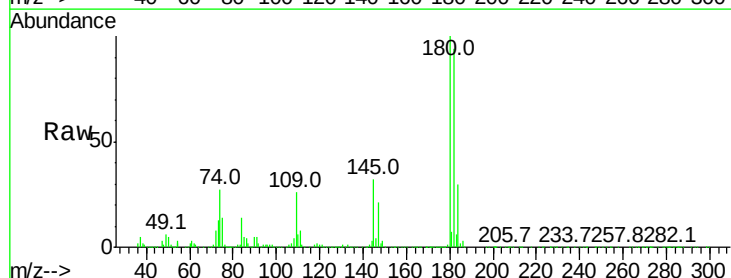
Tgt Ion:180 Resp: 404306

Ion Ratio Lower Upper

180 100

182 96.6 74.4 111.6

145 33.3 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

