

Data File : VR025538.D
Acq On : 30 Jul 2018 12:29
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Jul 30 15:01:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 30 15:00:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	646358	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	521646	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	209960	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	41836	2.35	ug/L	0.00
7) Chloroethane-d5	2.64	69	33017	2.17	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	93063	1.72	ug/L	0.00
20) 2-Butanone-d5	6.60	46	26832	4.85	ug/L	0.00
24) Chloroform-d	7.21	84	65835	0.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	20922	0.62	ug/L	0.00
32) Benzene-d6	7.86	84	140475	0.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	37444	0.74	ug/L	0.00
41) Toluene-d8	9.97	98	133060	0.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	8644	0.64	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	25263	5.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	16403	0.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	32986	0.95	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	38000	1.041 ug/L	98
3) Chloromethane	2.02	50	50256	2.322 ug/L	95
5) Vinyl chloride	2.16	62	51142	2.629 ug/L	87
6) Bromomethane	2.53	94	25411	2.220 ug/L	85
8) Chloroethane	2.67	64	29322	2.421 ug/L	86
9) Trichlorofluoromethane	2.94	101	16038	0.505 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	44745	2.313 ug/L	97
12) 1,1-Dichloroethene	3.66	96	47316	2.449 ug/L	88
13) Acetone	3.71	43	23312	9.349 ug/L	97
14) Carbon disulfide	3.97	76	101695	2.313 ug/L #	95
15) Methyl Acetate	4.21	43	7631	1.368 ug/L #	77
16) Methylene chloride	4.41	84	29380	1.552 ug/L #	72
17) Methyl tert-butyl Ether	4.91	73	42316	0.672 ug/L #	84
18) trans-1,2-Dichloroethene	4.89	96	42733	0.889 ug/L	95
19) 1,1-Dichloroethane	5.70	63	64859	0.787 ug/L #	92
21) 2-Butanone	6.69	43	30511	5.253 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	37159	0.842 ug/L #	98
23) Bromochloromethane	7.06	128	13474	0.949 ug/L #	86
25) Chloroform	7.24	83	64294	0.812 ug/L	91
27) 1,2-Dichloroethane	8.00	62	25367	0.714 ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	48644	0.917 ug/L	99
30) Cyclohexane	7.52	56	47585	0.836 ug/L	100
31) Carbon tetrachloride	7.64	117	47556	1.013 ug/L	100
33) Benzene	7.91	78	163055	0.907 ug/L	100
34) Trichloroethene	8.71	95	39748	0.868 ug/L	95
35) Methylcyclohexane	8.96	83	54916	0.897 ug/L	96
37) 1,2-Dichloropropane	9.00	63	35061	0.839 ug/L #	96
38) Bromodichloromethane	9.29	83	33136	0.778 ug/L #	92
39) cis-1,3-Dichloropropene	9.72	75	32477	0.691 ug/L	86
40) 4-Methyl-2-pentanone	9.86	43	83359	6.882 ug/L	98

Data File : VR025538.D
Acq On : 30 Jul 2018 12:29
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Jul 30 15:01:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 30 15:00:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	165471	0.946	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	21971	0.637	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	17159	0.838	ug/L	90
47) Tetrachloroethene	10.52	164	34132	1.142	ug/L	93
48) 2-Hexanone	10.64	43	58066	6.969	ug/L	95
49) Dibromochloromethane	10.79	129	19572	0.917	ug/L	96
50) 1,2-Dibromoethane	10.89	107	13421	0.809	ug/L #	73
51) Chlorobenzene	11.31	112	106187	0.997	ug/L	97
52) Ethylbenzene	11.39	91	179580	0.958	ug/L	96
53) m,p-Xylene	11.51	106	66804	0.950	ug/L	93
54) o-Xylene	11.83	106	57824	0.954	ug/L	97
55) Styrene	11.85	104	96648	0.969	ug/L	97
56) Isopropylbenzene	12.13	105	157654	0.982	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	16499	0.818	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	11150	0.768	ug/L	93
61) Bromoform	12.01	173	8184	0.957	ug/L #	93
62) 1,3-Dichlorobenzene	13.16	146	58348	0.948	ug/L	88
63) 1,4-Dichlorobenzene	13.24	146	70605	1.034	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	54265	1.015	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	2066	0.874	ug/L #	66
67) 1,3,5-Trichlorobenzene	14.29	180	40655	1.012	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	23962	0.868	ug/L	98
69) Naphthalene	15.00	128	21587	0.610	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	20178	0.947	ug/L	92

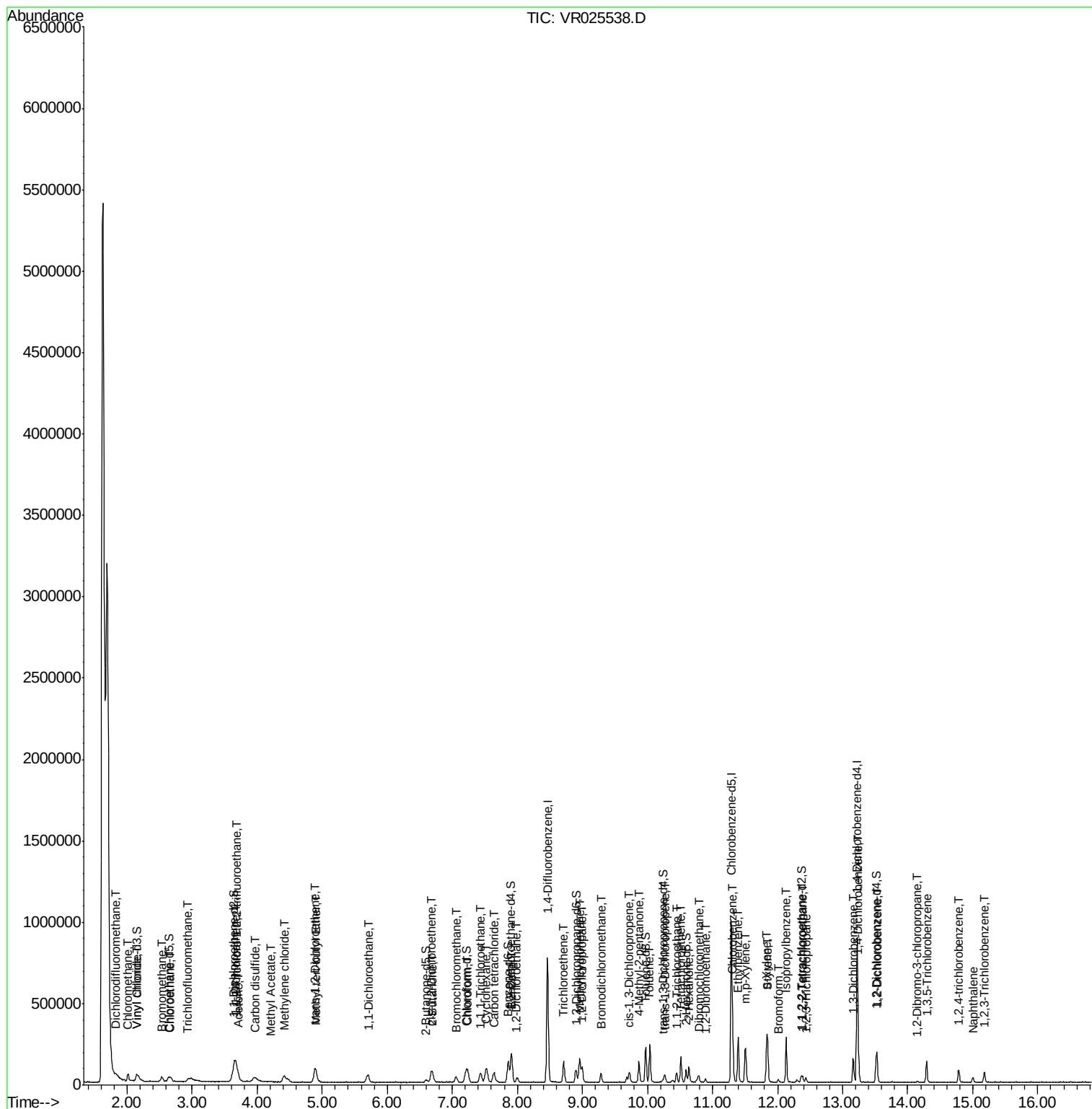
(#) = qualifier out of range (m) = manual integration (+) = signals summed

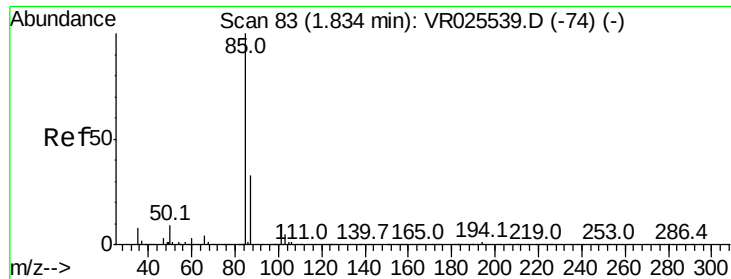
Data File : VR025538.D

```
Acq On       : 30 Jul 2018   12:29
Operator     : SY/MD
Sample       : VSTD00182
Misc         : 25mL/MSV0A_R/WATER
ALS Vial     : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Jul 30 15:01:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 30 15:00:06 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.041 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

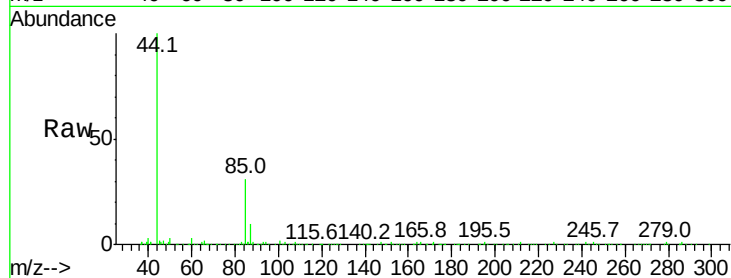
VSTD00182

Tgt Ion: 85 Resp: 38000

Ion Ratio Lower Upper

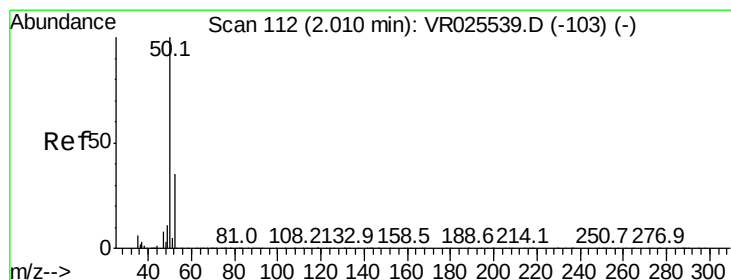
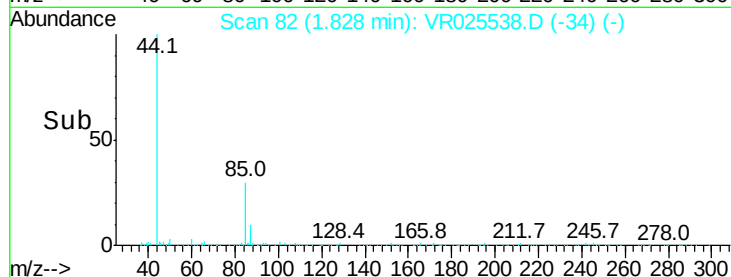
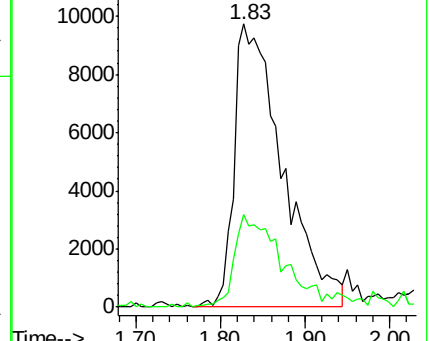
85 100

87 30.5 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 2.322 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025538.D

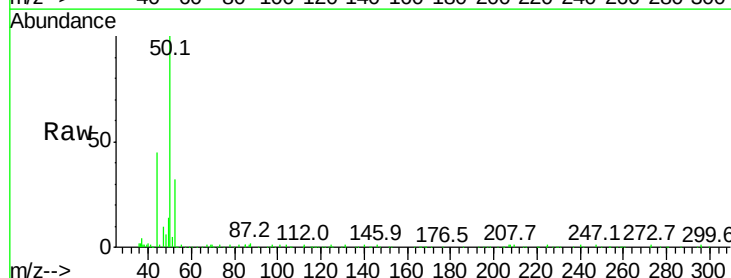
Acq: 30 Jul 2018 12:29

Tgt Ion: 50 Resp: 50256

Ion Ratio Lower Upper

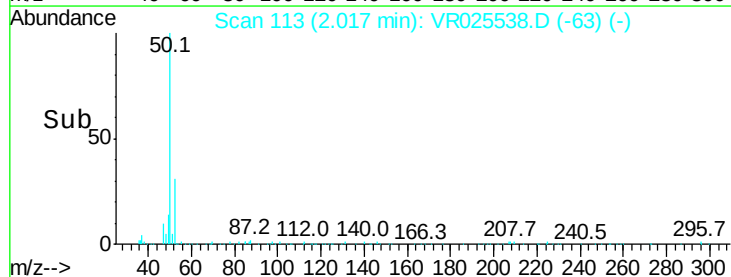
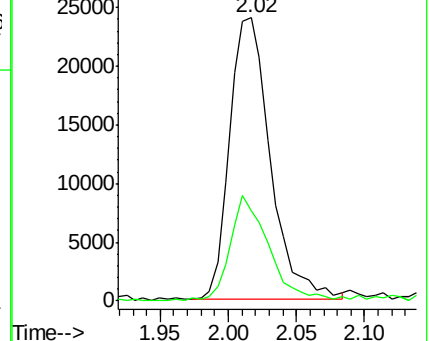
50 100

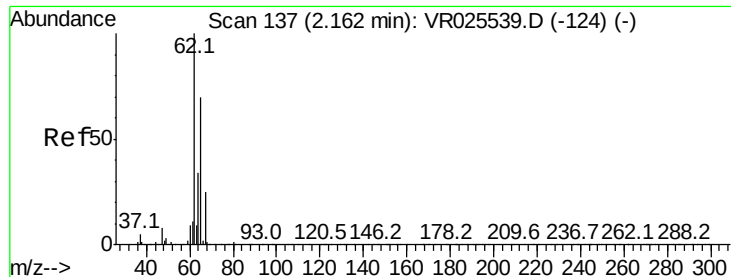
52 31.8 24.4 45.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 2.629 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

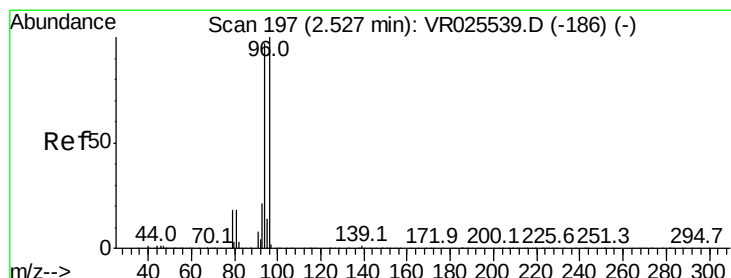
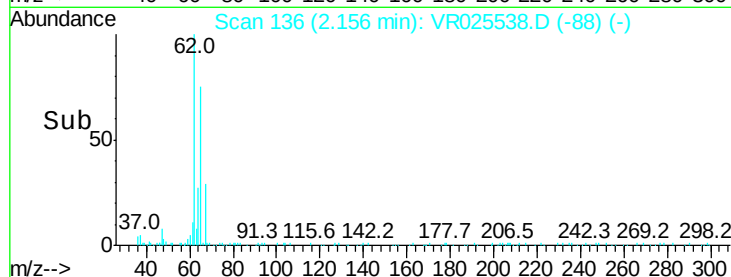
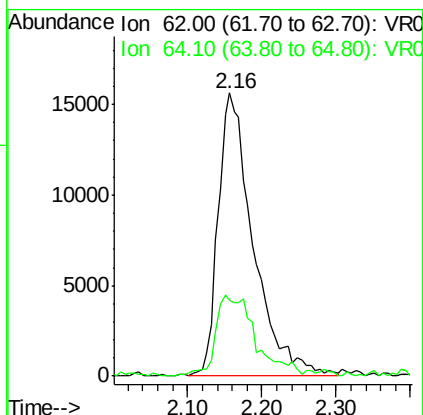
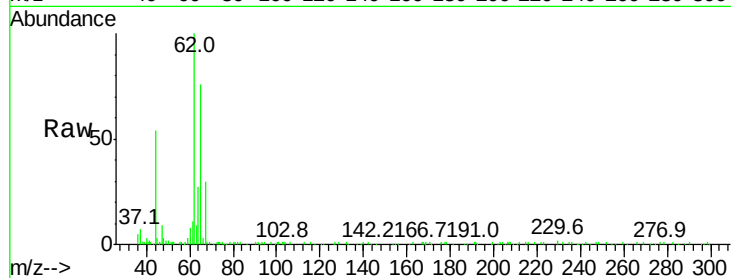
VSTD00182

Tgt Ion: 62 Resp: 51142

Ion Ratio Lower Upper

62 100

64 27.1 24.1 44.8



#6

Bromomethane

Concen: 2.220 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025538.D

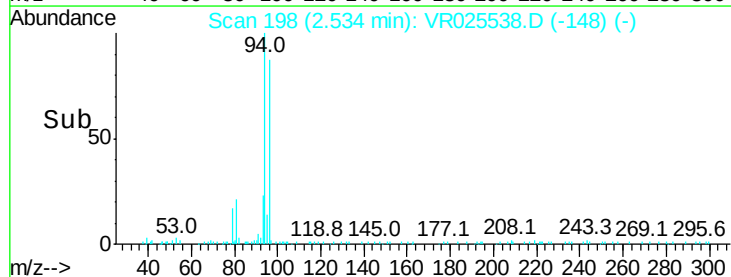
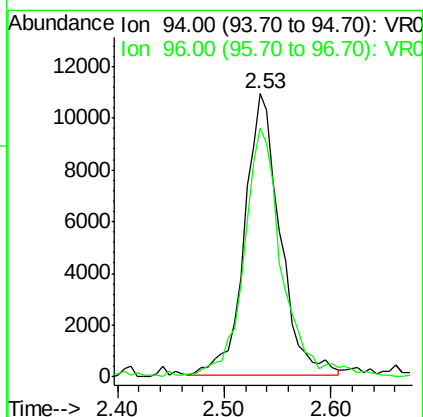
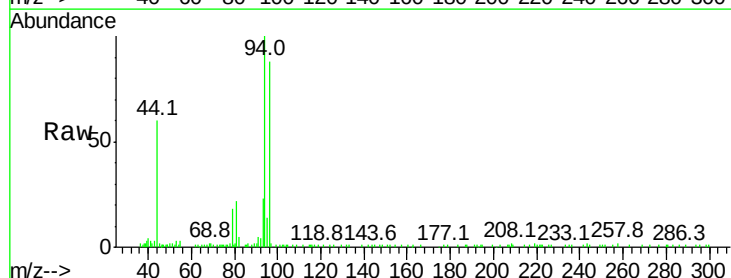
Acq: 30 Jul 2018 12:29

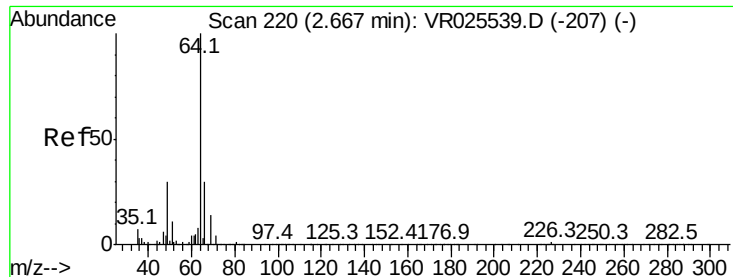
Tgt Ion: 94 Resp: 25411

Ion Ratio Lower Upper

94 100

96 88.1 72.0 133.6

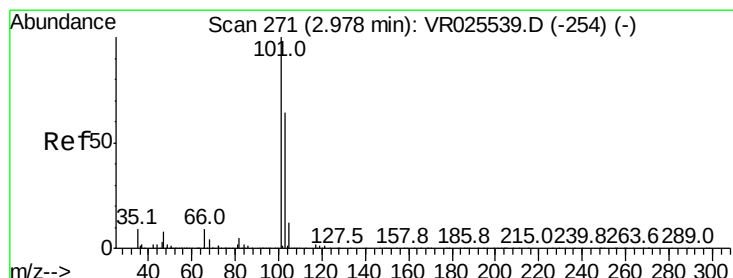
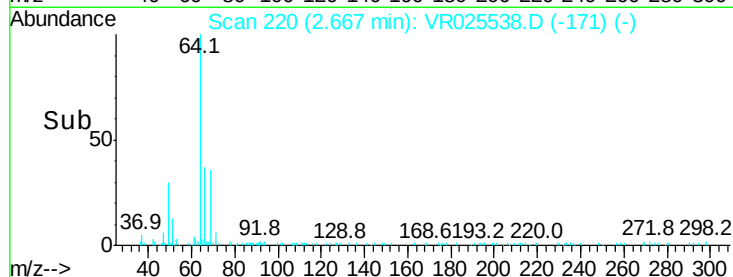
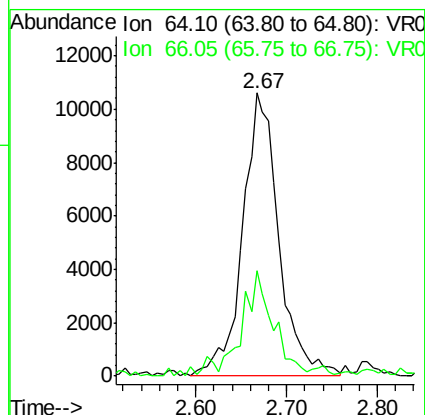
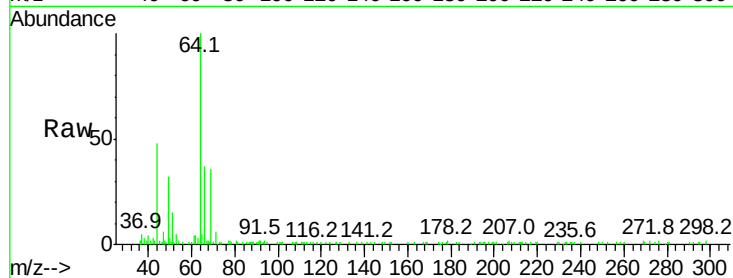




#8
Chloroethane
Concen: 2.421 ug/L
RT: 2.67 min Scan# 220
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

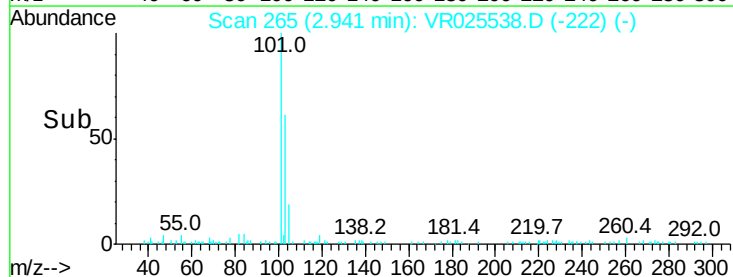
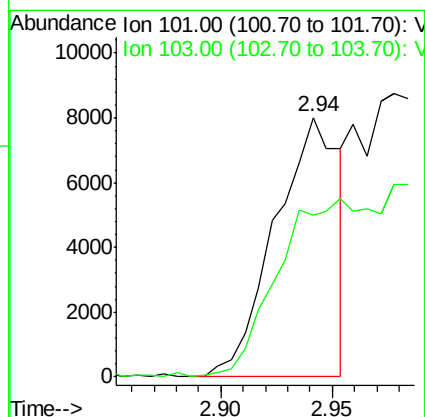
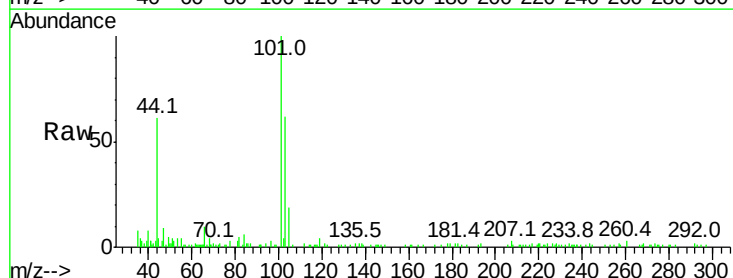
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

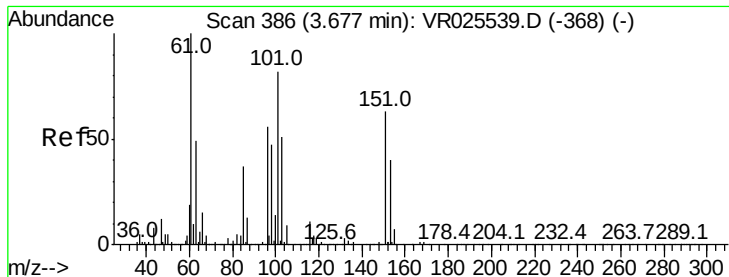
Tgt Ion: 64 Resp: 29322
Ion Ratio Lower Upper
64 100
66 37.4 20.9 38.9



#9
Trichlorofluoromethane
Concen: 0.505 ug/L
RT: 2.94 min Scan# 265
Delta R.T. -0.04 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion: 101 Resp: 16038
Ion Ratio Lower Upper
101 100
103 81.4 19.8 29.6#





#10

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

Concen: 2.313 ug/L

RT: 3.68 min Scan# 387

Delta R.T. 0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

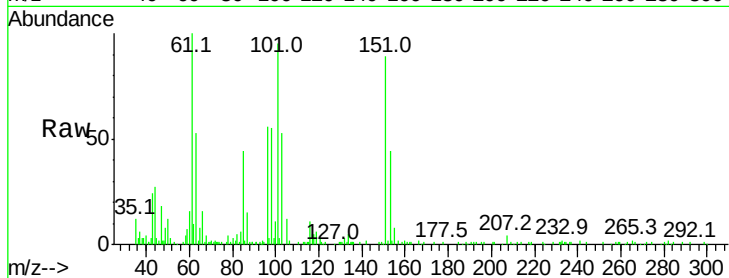
Tgt Ion: 101 Resp: 44745

Ion Ratio Lower Upper

101 100

85 48.7 37.4 56.0

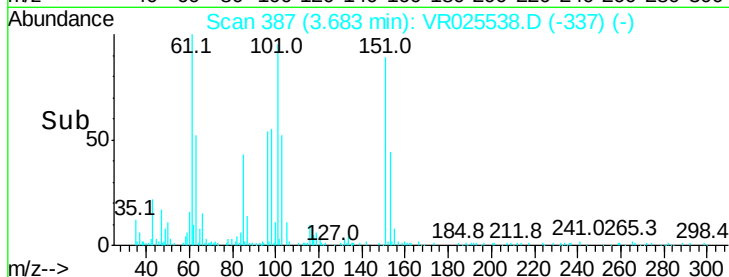
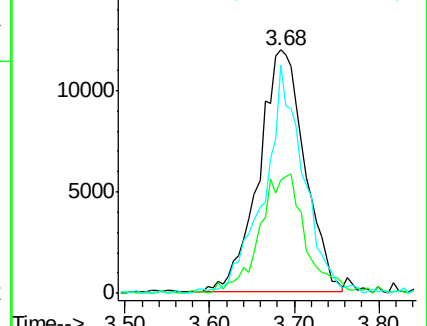
151 80.5 61.9 92.9



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: 2.449 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

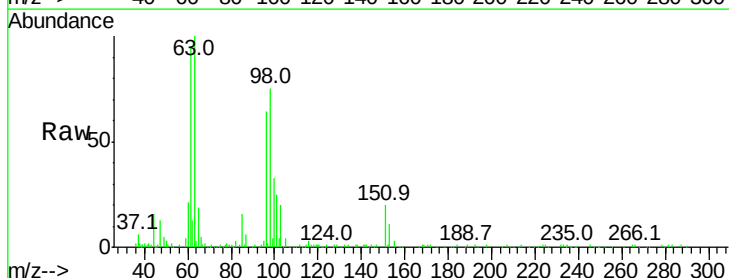
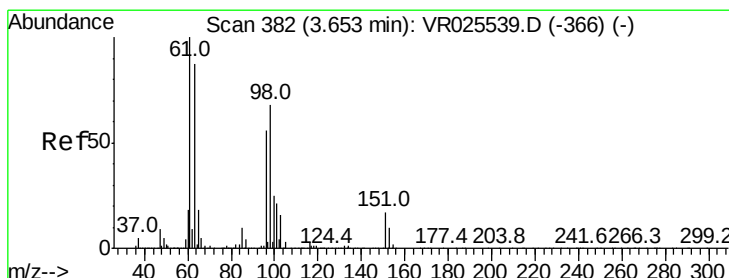
Tgt Ion: 96 Resp: 47316

Ion Ratio Lower Upper

96 100

61 148.2 124.3 230.8

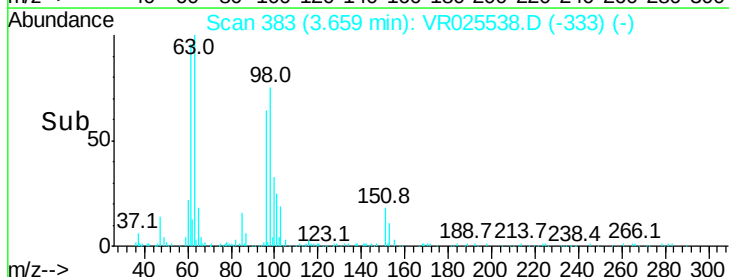
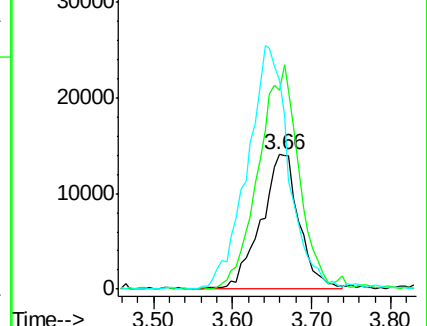
63 155.7 108.1 200.7

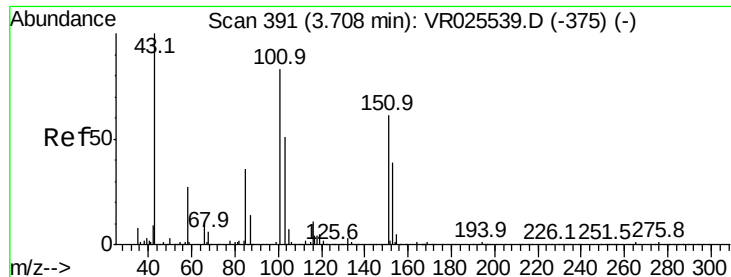


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 9.349 ug/L

RT: 3.71 min Scan# 392

Delta R.T. 0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

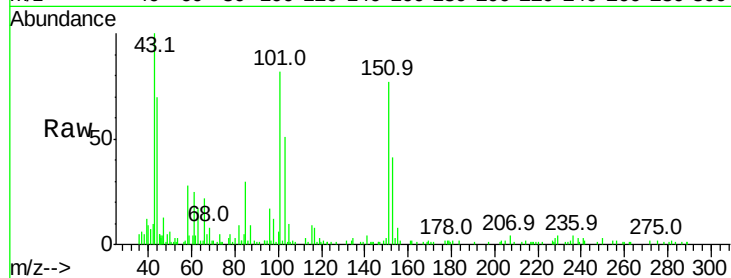
VSTD00182

Tgt Ion: 43 Resp: 23312

Ion Ratio Lower Upper

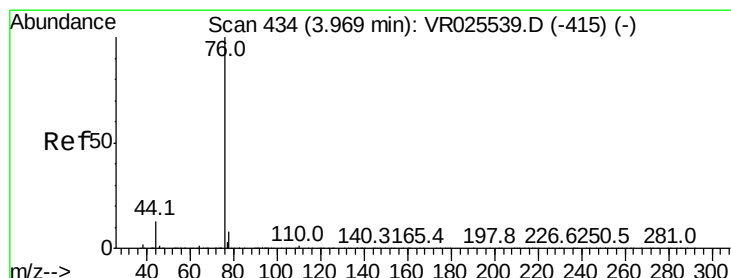
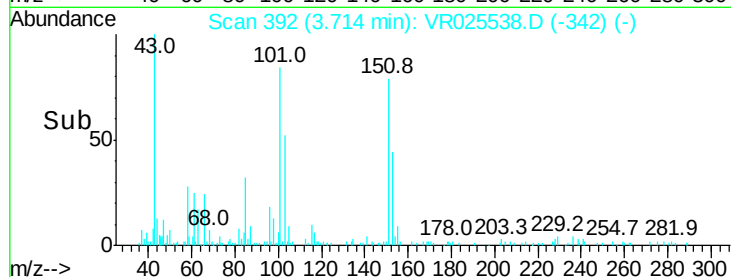
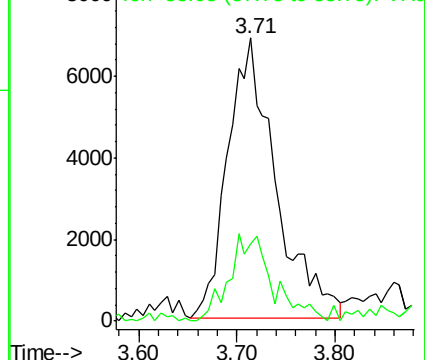
43 100

58 28.1 0.0 53.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 2.313 ug/L

RT: 3.97 min Scan# 434

Delta R.T. 0.00 min

Lab File: VR025538.D

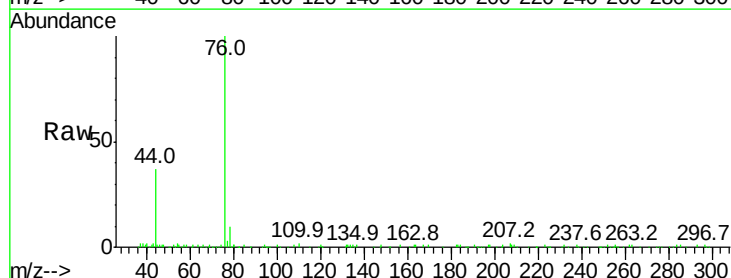
Acq: 30 Jul 2018 12:29

Tgt Ion: 76 Resp: 101695

Ion Ratio Lower Upper

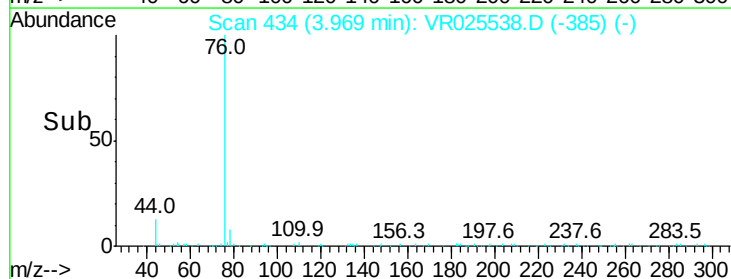
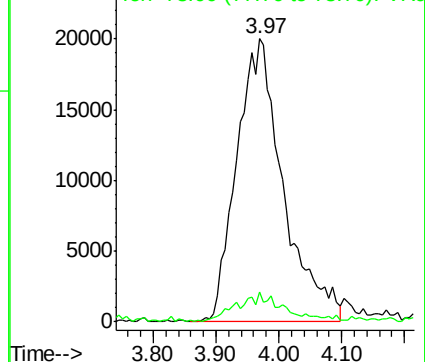
76 100

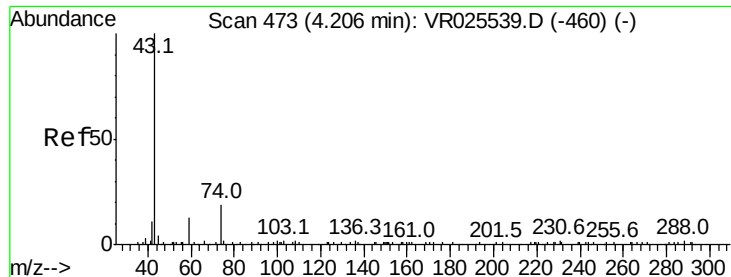
78 10.4 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 1.368 ug/L

RT: 4.21 min Scan# 473

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

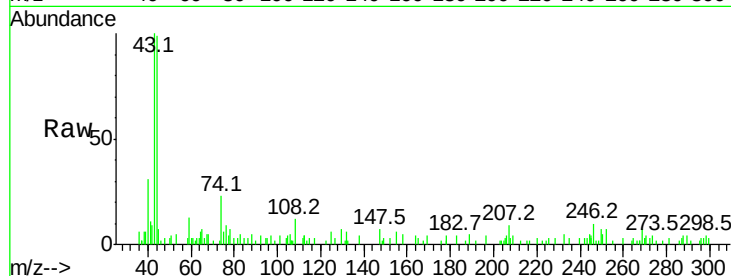
VSTD00182

Tgt Ion: 43 Resp: 7631

Ion Ratio Lower Upper

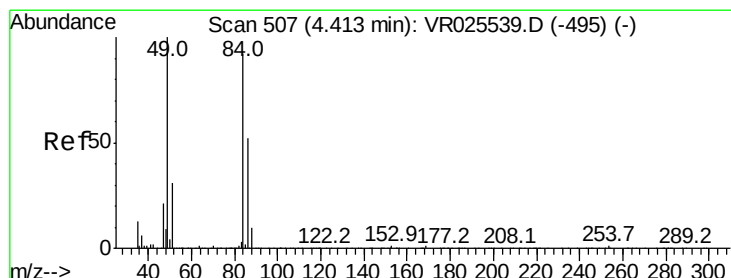
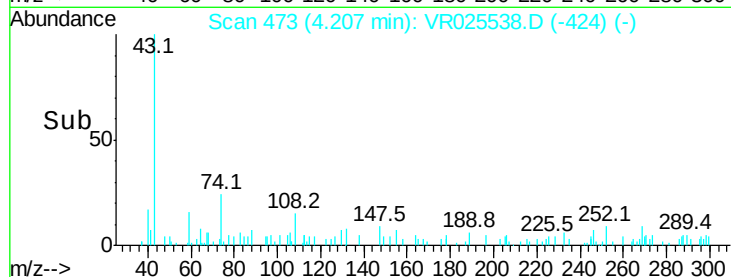
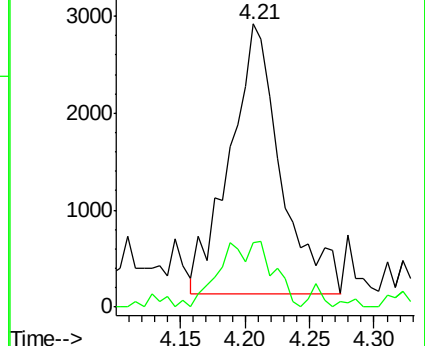
43 100

74 13.5 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 1.552 ug/L

RT: 4.41 min Scan# 507

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

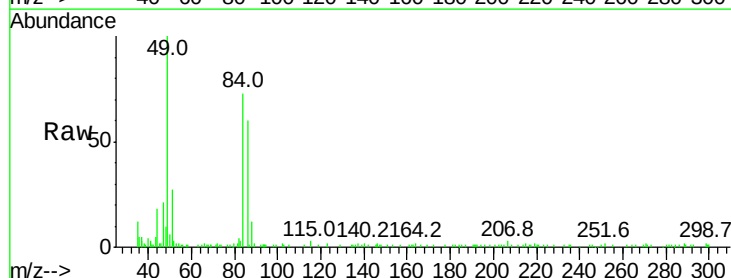
Tgt Ion: 84 Resp: 29380

Ion Ratio Lower Upper

84 100

86 81.7 40.4 75.0#

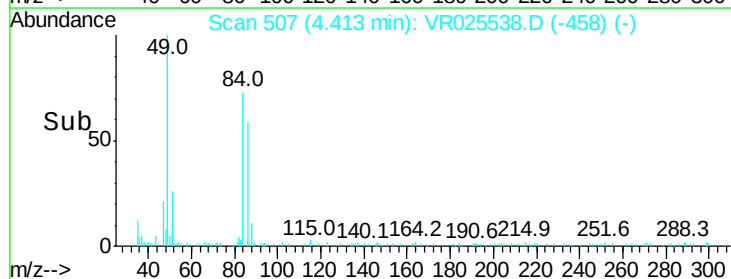
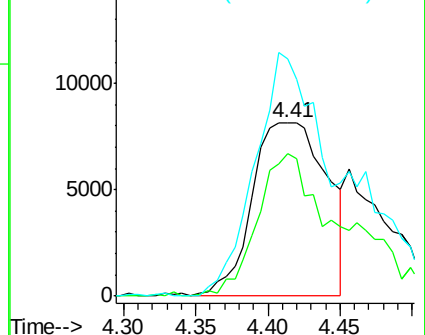
49 136.5 76.2 141.4

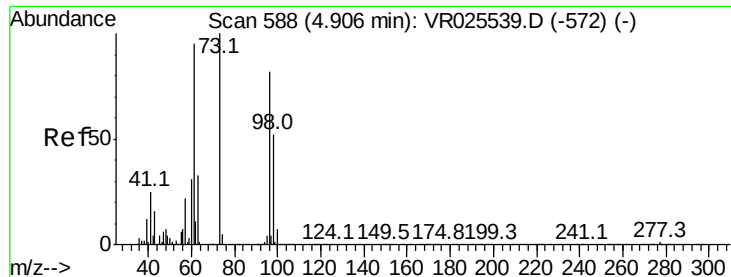


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

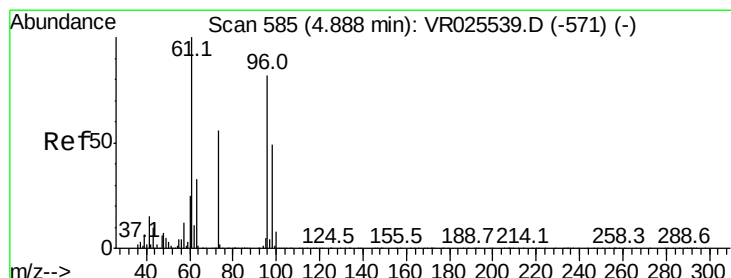
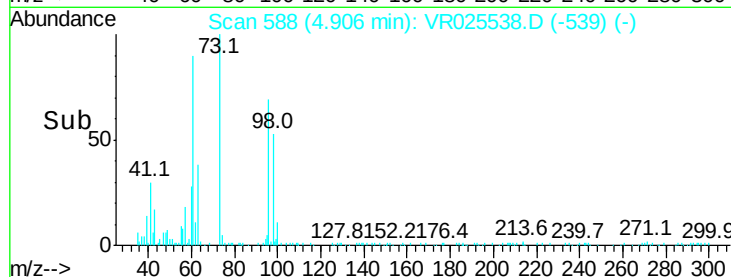
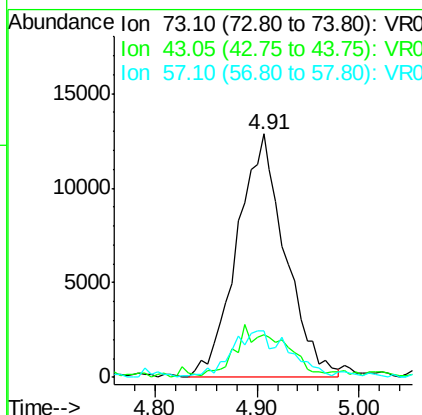
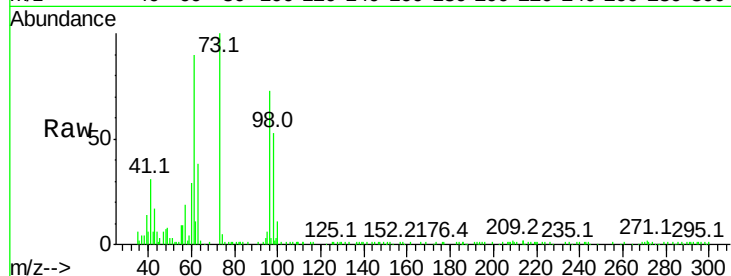




#17
Methyl tert-butyl Ether
Concen: 0.672 ug/L
RT: 4.91 min Scan# 588
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

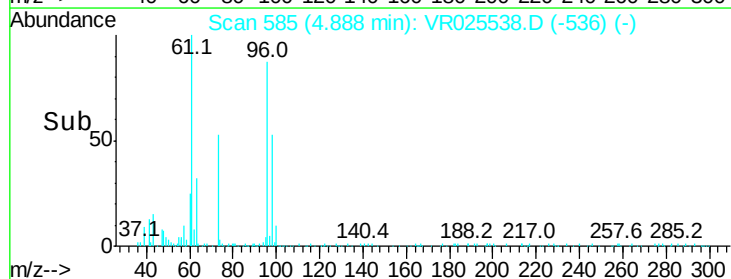
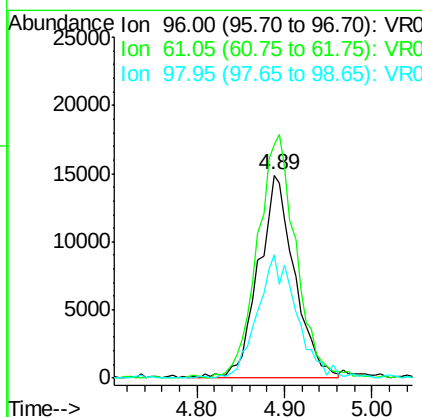
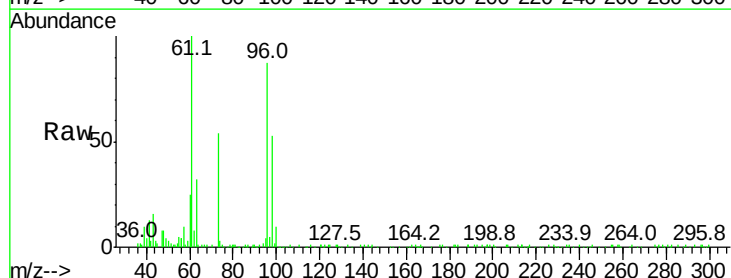
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

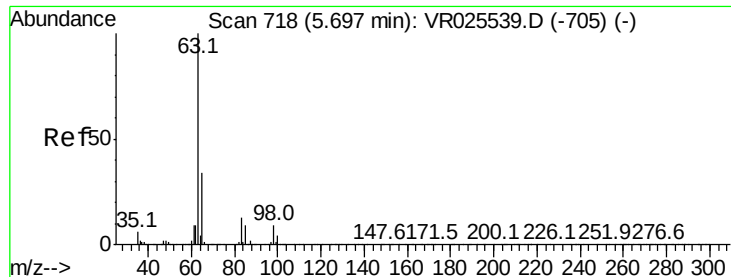
Tgt Ion: 73 Resp: 42316
Ion Ratio Lower Upper
73 100
43 8.9 14.2 21.4#
57 16.1 17.6 26.4#



#18
trans-1,2-Dichloroethene
Concen: 0.889 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion: 96 Resp: 42733
Ion Ratio Lower Upper
96 100
61 115.1 85.5 158.9
98 60.7 42.1 78.1

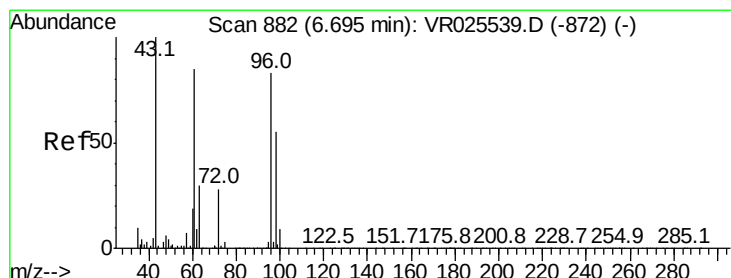
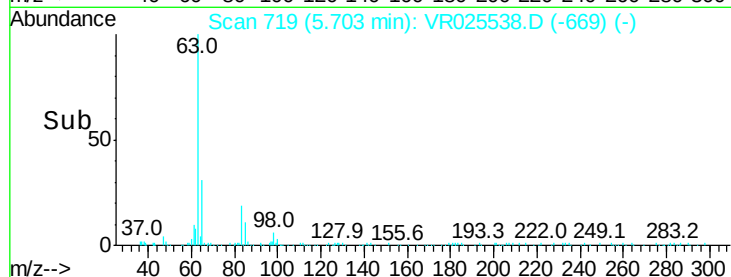
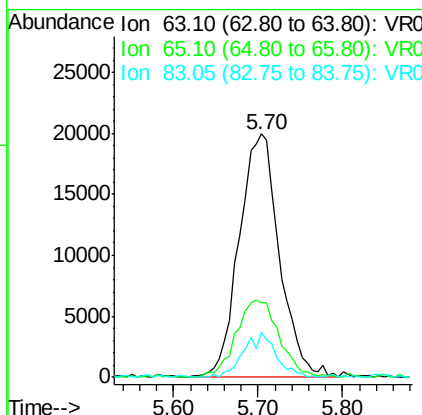
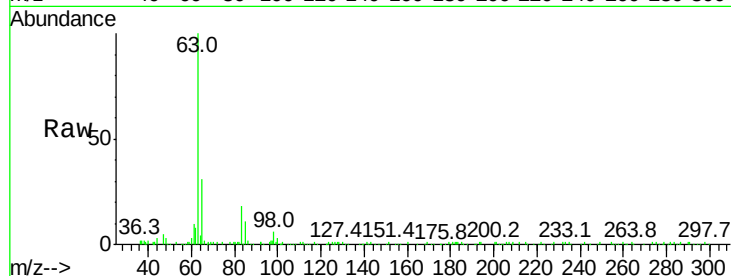




#19
1,1-Dichloroethane
Concen: 0.787 ug/L
RT: 5.70 min Scan# 719
Delta R.T. 0.01 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

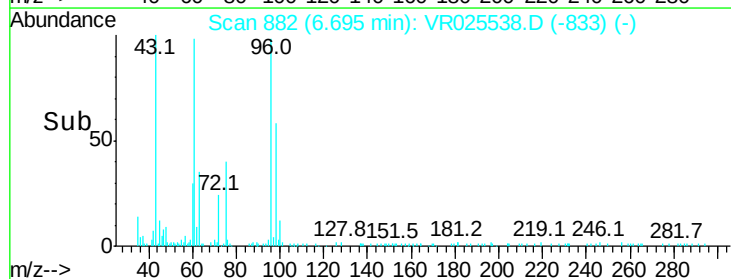
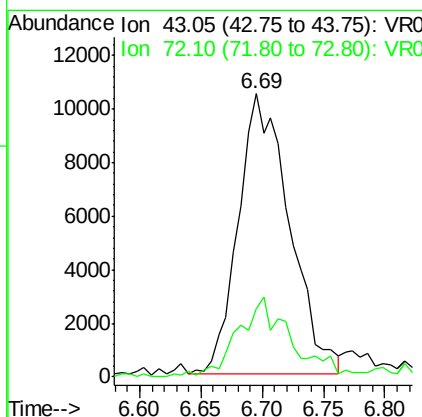
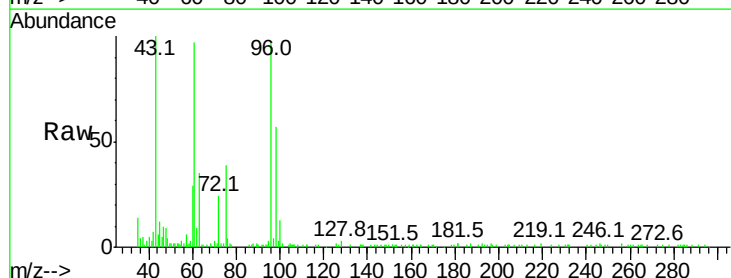
Instrument :
MSVOA_R
ClientSampled :
VSTD00182

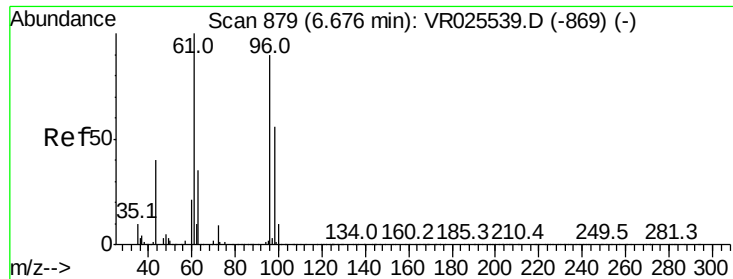
Tgt Ion: 63 Resp: 64859
Ion Ratio Lower Upper
63 100
65 30.6 23.5 43.7
83 18.5 9.1 16.9#



#21
2-Butanone
Concen: 5.253 ug/L
RT: 6.69 min Scan# 882
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion: 43 Resp: 30511
Ion Ratio Lower Upper
43 100
72 25.9 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 0.842 ug/L

RT: 6.68 min Scan# 879

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

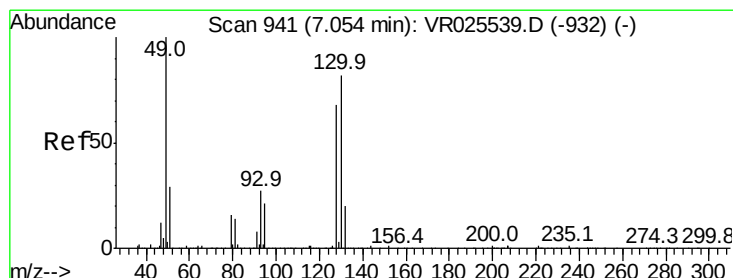
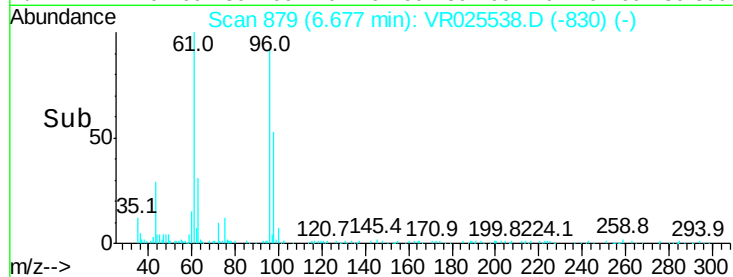
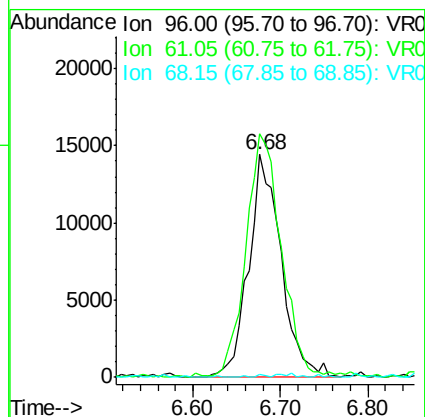
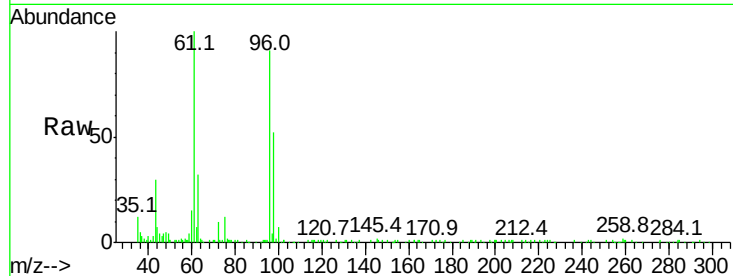
Tgt Ion: 96 Resp: 37159

Ion Ratio Lower Upper

96 100

61 109.3 77.7 144.3

68 1.5 0.0 0.0#



#23

Bromochloromethane

Concen: 0.949 ug/L

RT: 7.06 min Scan# 942

Delta R.T. 0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Tgt Ion: 128 Resp: 13474

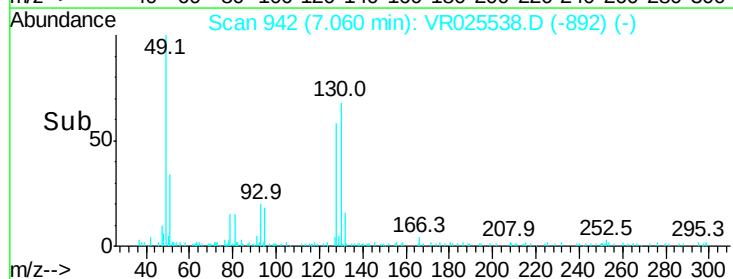
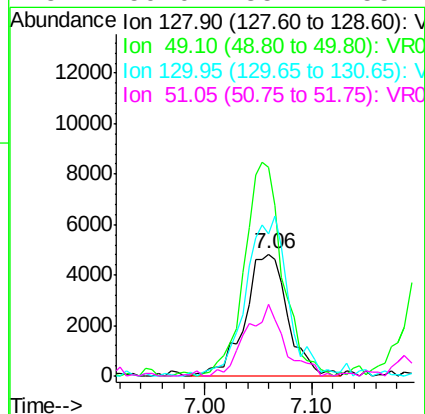
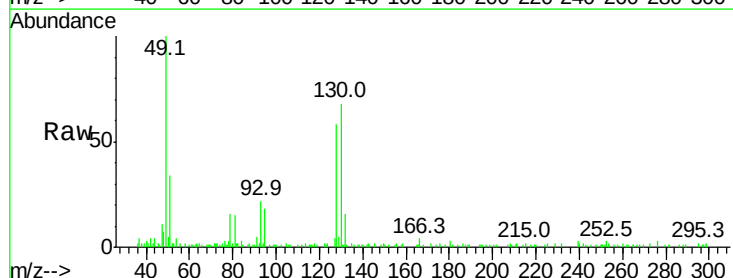
Ion Ratio Lower Upper

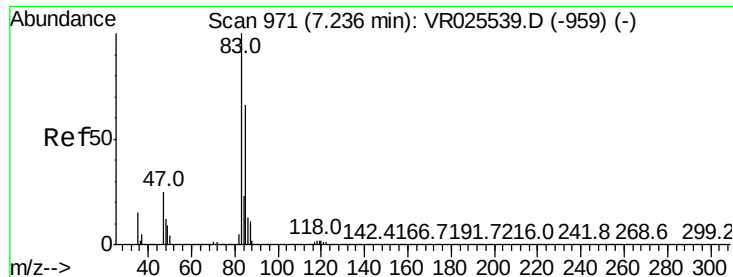
128 100

49 171.6 103.3 191.9

130 116.3 84.9 157.7

51 59.0 35.4 53.2#

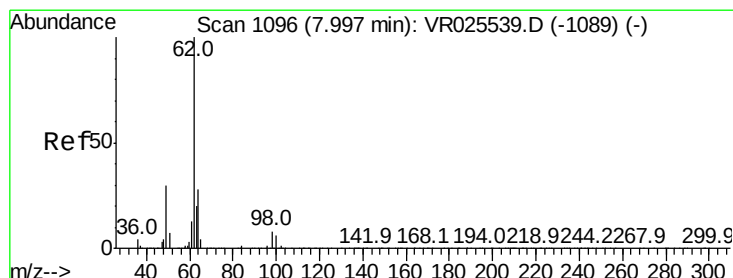
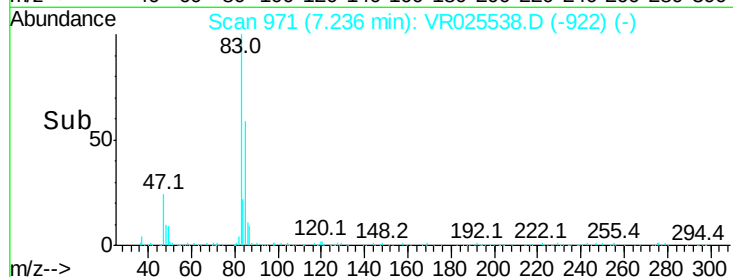
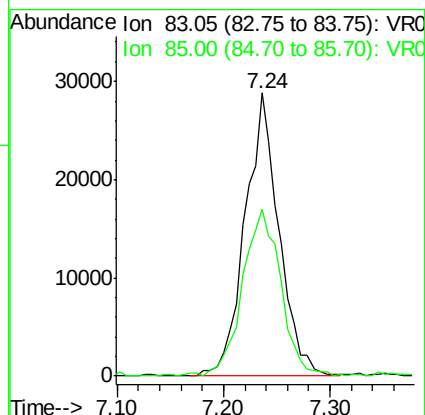
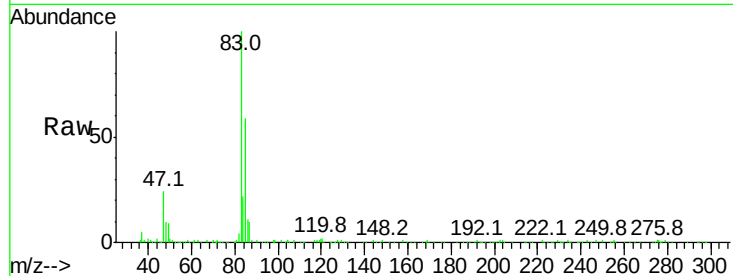




#25
Chloroform
Concen: 0.812 ug/L
RT: 7.24 min Scan# 971
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

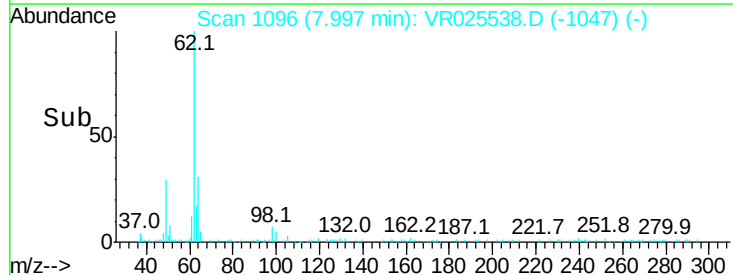
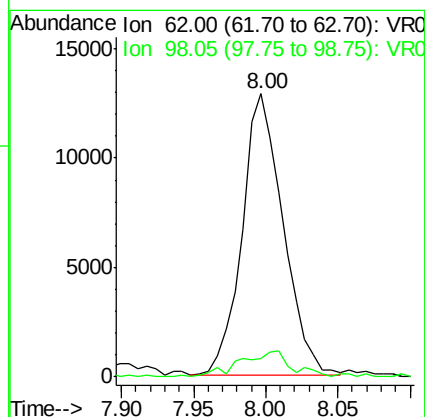
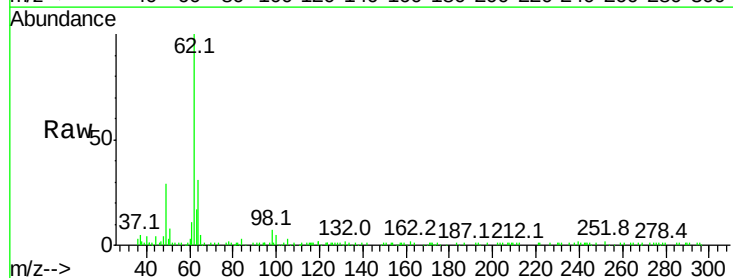
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

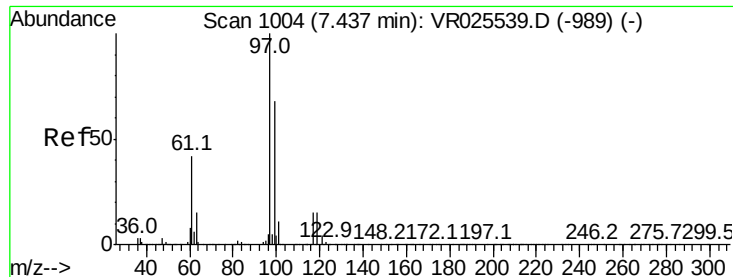
Tgt Ion: 83 Resp: 64294
Ion Ratio Lower Upper
83 100
85 58.9 46.5 86.3



#27
1,2-Dichloroethane
Concen: 0.714 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion: 62 Resp: 25367
Ion Ratio Lower Upper
62 100
98 6.6 6.6 9.8

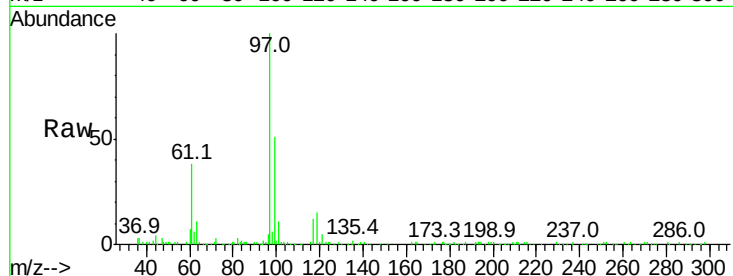




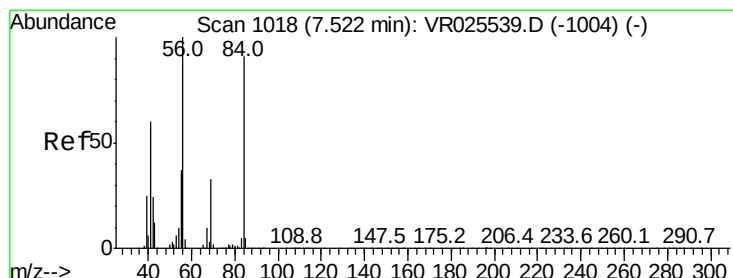
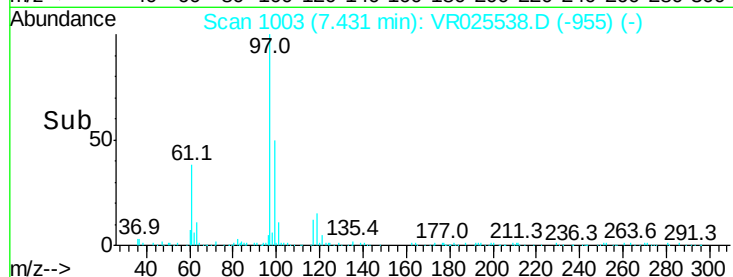
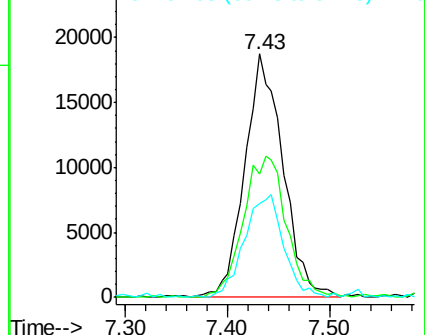
#29
 1,1,1-Trichloroethane
 Concen: 0.917 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VR025538.D
 Acq: 30 Jul 2018 12:29

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

Tgt Ion: 97 Resp: 48644
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.1 78.1
 61 43.3 35.3 52.9

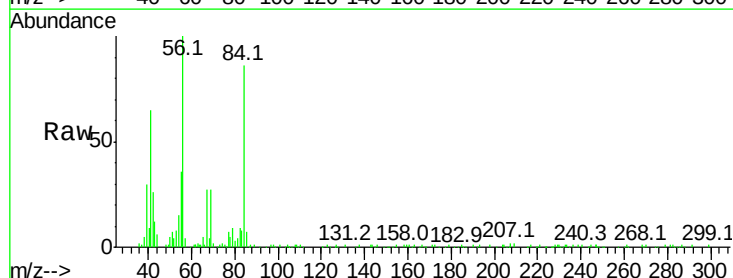


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

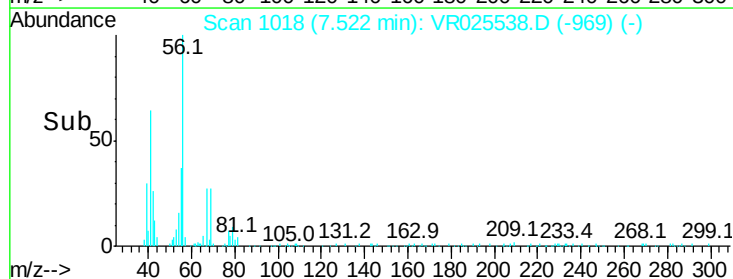
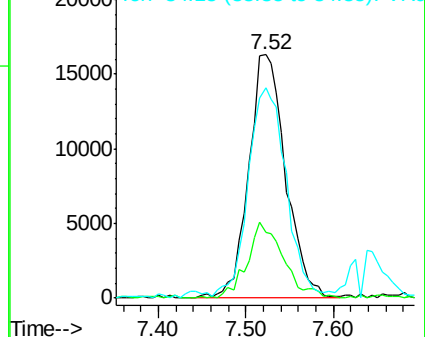


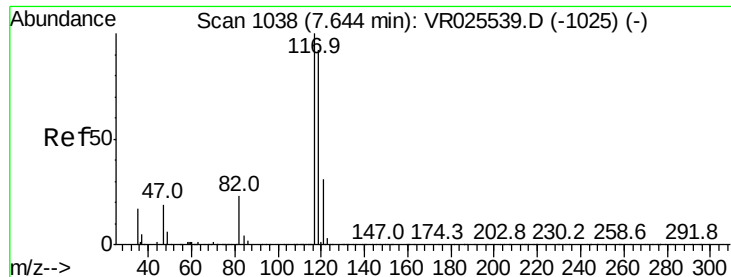
#30
 Cyclohexane
 Concen: 0.836 ug/L
 RT: 7.52 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VR025538.D
 Acq: 30 Jul 2018 12:29

Tgt Ion: 56 Resp: 47585
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.6 36.8
 84 89.1 71.3 106.9



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: 1.013 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

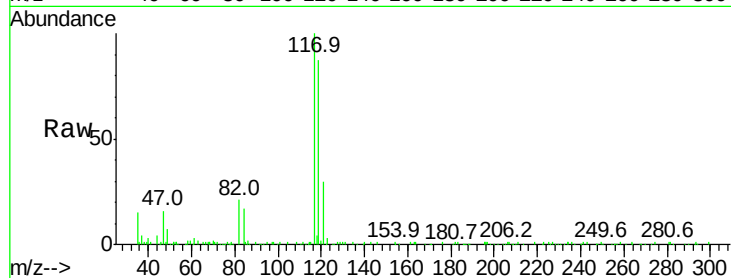
VSTD00182

Tgt Ion:117 Resp: 47556

Ion Ratio Lower Upper

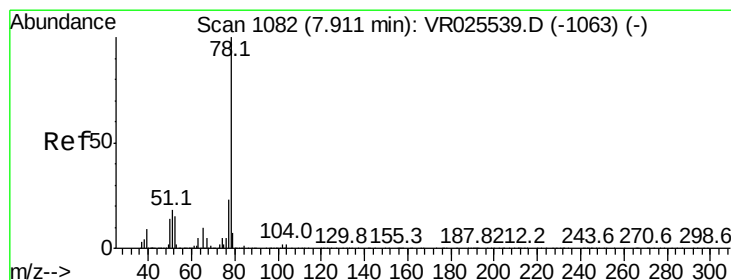
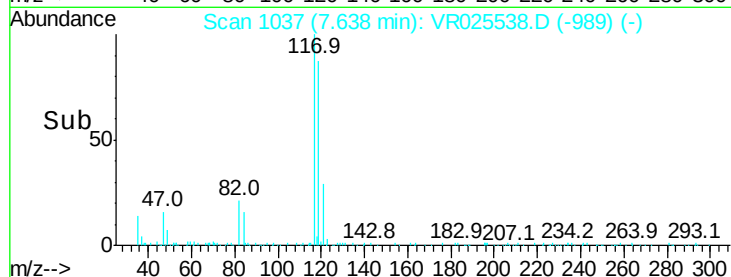
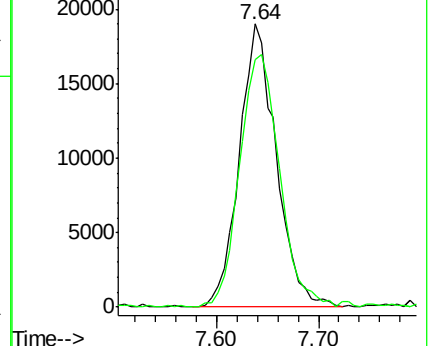
117 100

119 96.8 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.907 ug/L

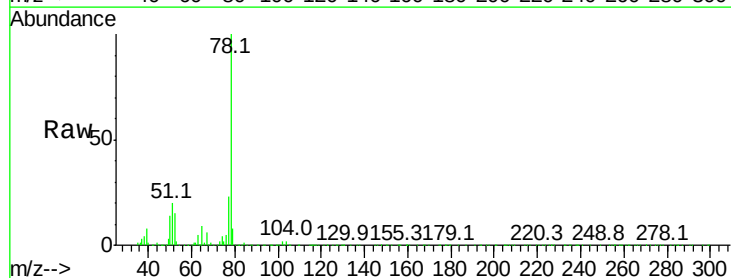
RT: 7.91 min Scan# 1082

Delta R.T. 0.00 min

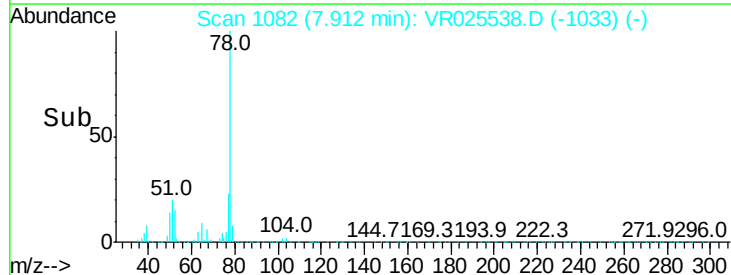
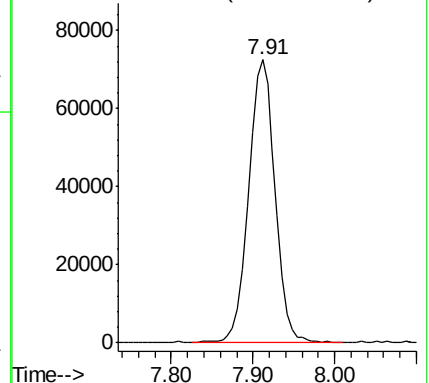
Lab File: VR025538.D

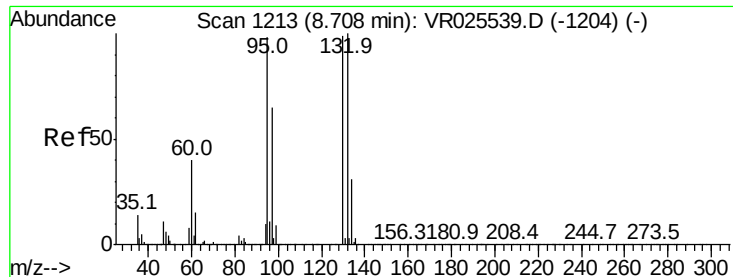
Acq: 30 Jul 2018 12:29

Tgt Ion: 78 Resp: 163055



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.868 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 95 Resp: 39748

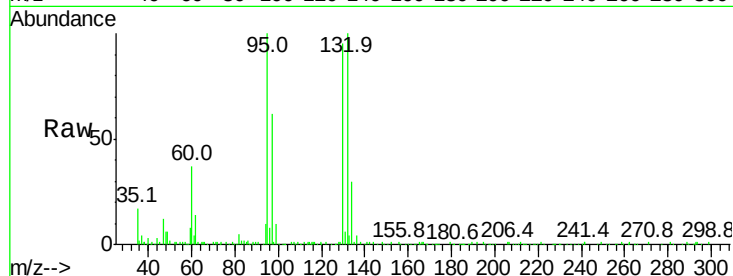
Ion Ratio Lower Upper

95 100

97 62.0 46.7 86.7

132 100.1 71.7 133.1

130 95.1 71.3 132.3

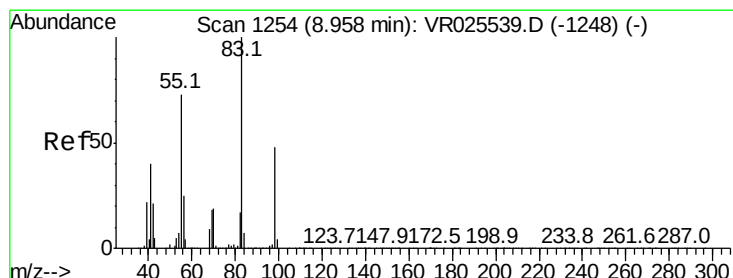
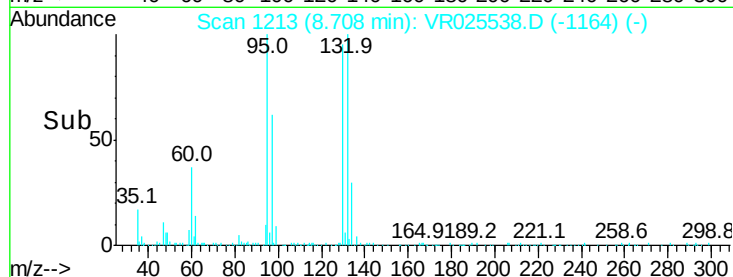
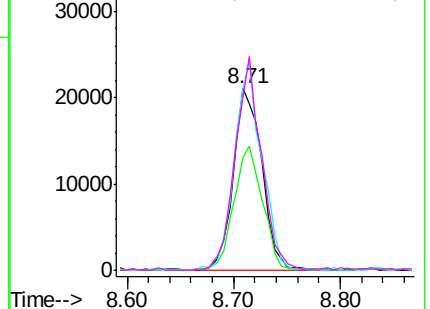


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.897 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

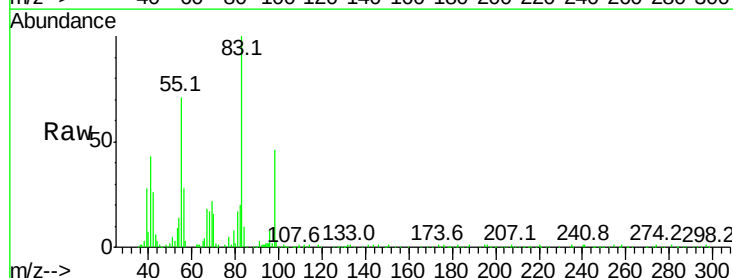
Tgt Ion: 83 Resp: 54916

Ion Ratio Lower Upper

83 100

55 77.6 58.3 87.5

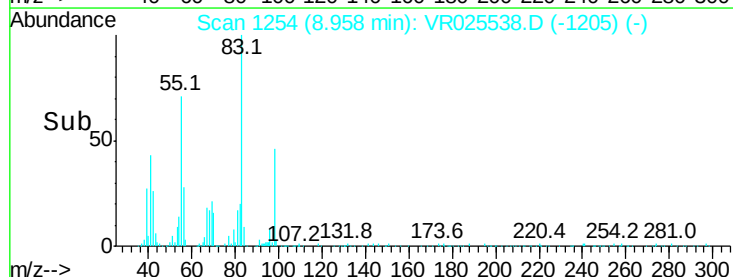
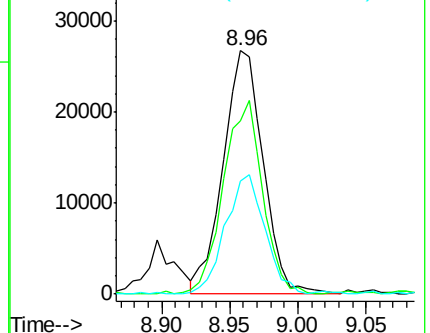
98 48.2 37.8 56.6

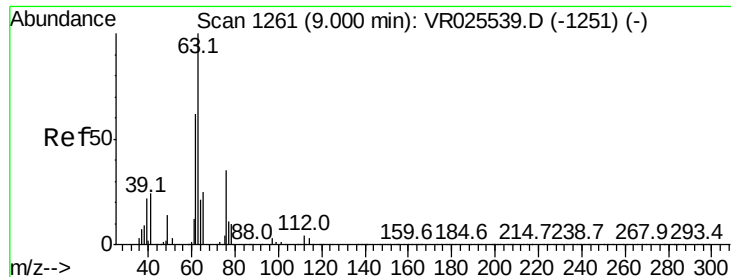


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

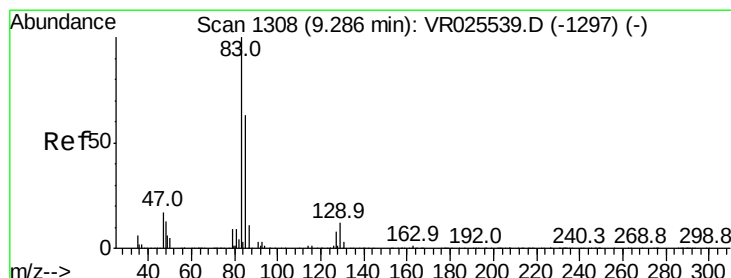
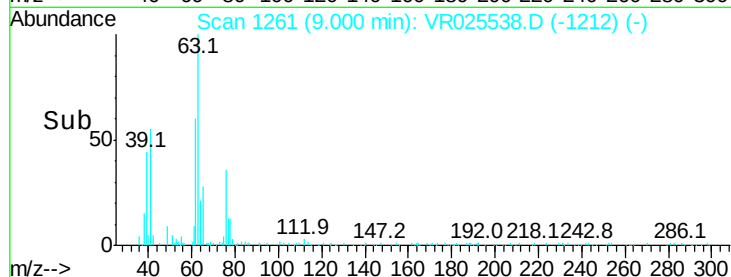
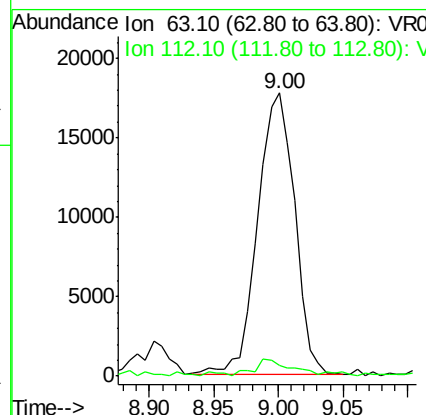
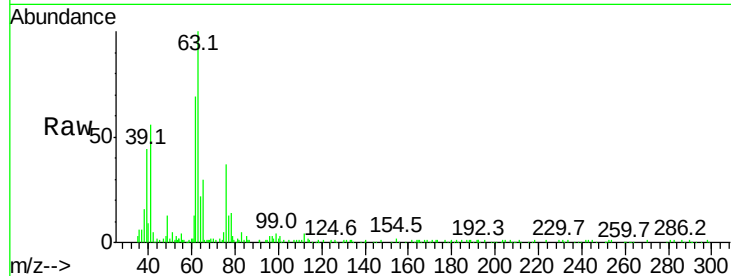




#37
 1,2-Dichloropropane
 Concen: 0.839 ug/L
 RT: 9.00 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VR025538.D
 Acq: 30 Jul 2018 12:29

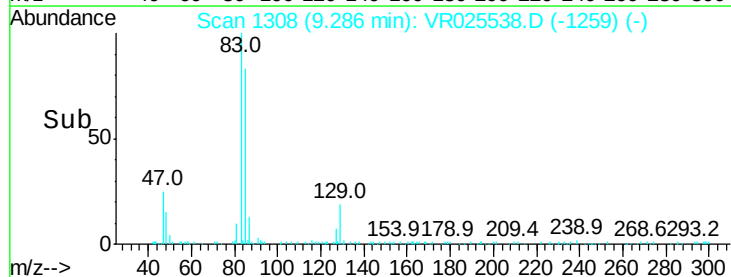
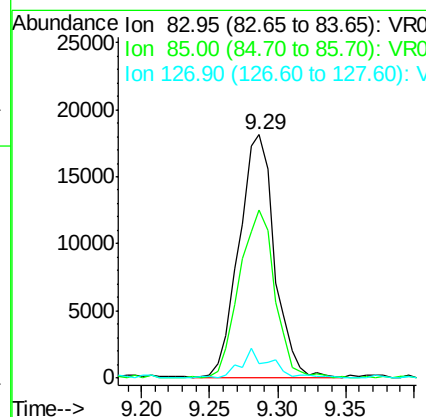
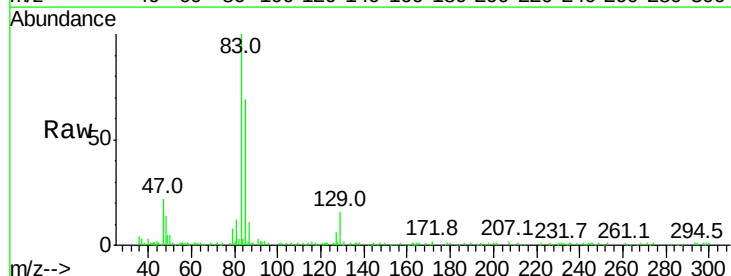
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

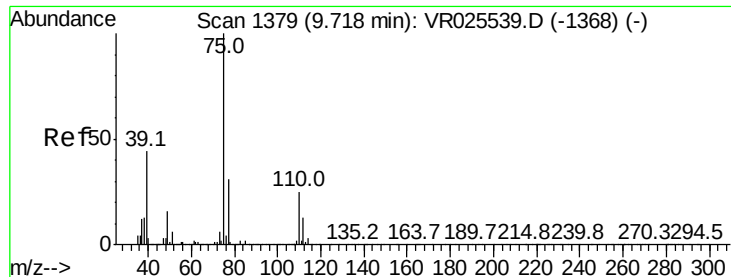
Tgt Ion: 63 Resp: 35061
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 0.778 ug/L
 RT: 9.29 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VR025538.D
 Acq: 30 Jul 2018 12:29

Tgt Ion: 83 Resp: 33136
 Ion Ratio Lower Upper
 83 100
 85 69.2 44.0 81.6
 127 6.6 6.7 10.1#





#39

cis-1,3-Dichloropropene

Concen: 0.691 ug/L

RT: 9.72 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

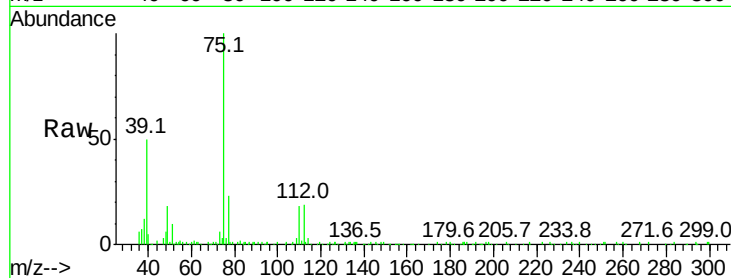
VSTD00182

Tgt Ion: 75 Resp: 32477

Ion Ratio Lower Upper

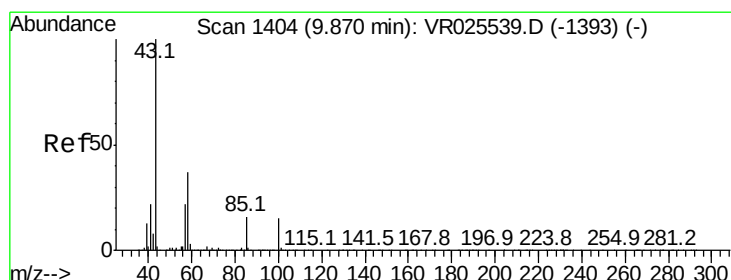
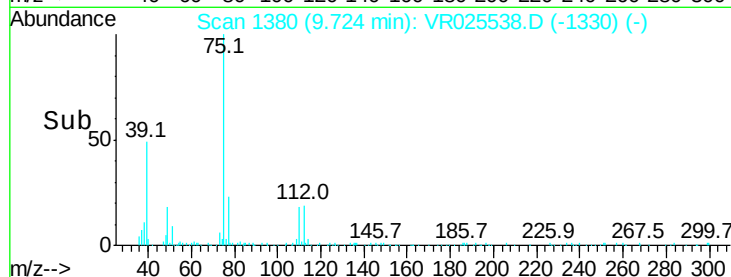
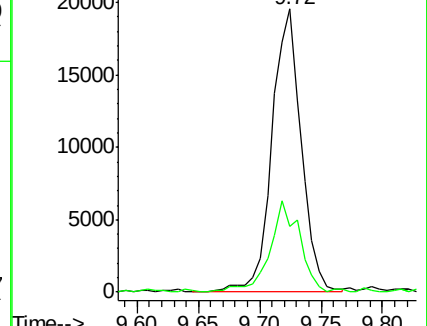
75 100

77 23.3 21.6 40.0



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: 6.882 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

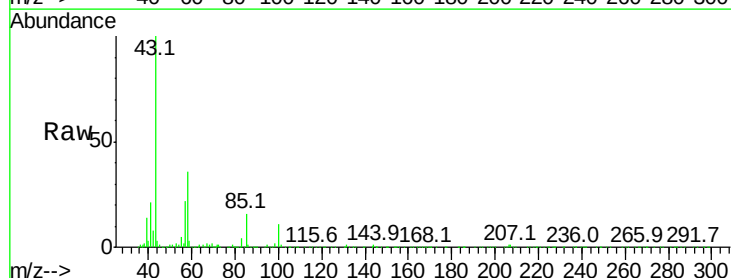
Tgt Ion: 43 Resp: 83359

Ion Ratio Lower Upper

43 100

58 37.9 31.0 46.6

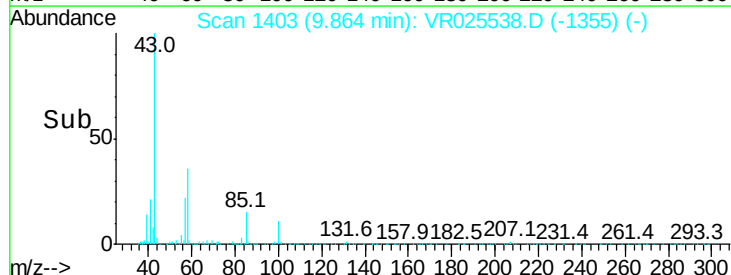
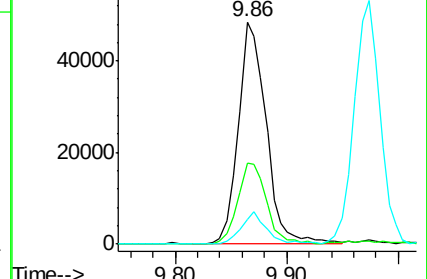
100 13.4 11.9 17.9

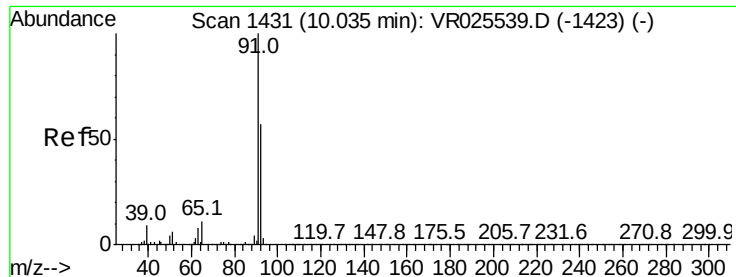


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.946 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampled :

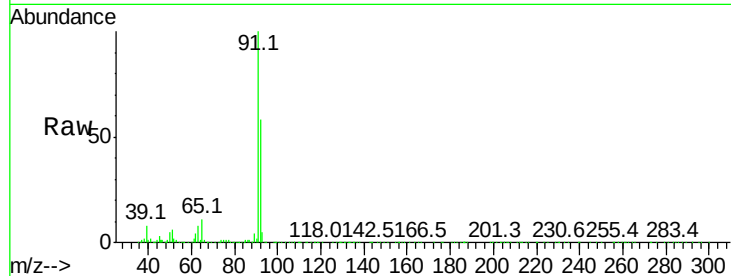
VSTD00182

Tgt Ion: 91 Resp: 165471

Ion Ratio Lower Upper

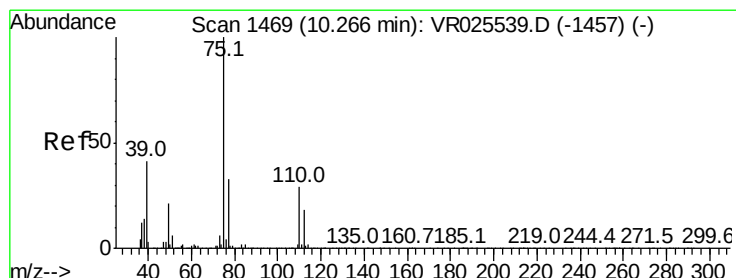
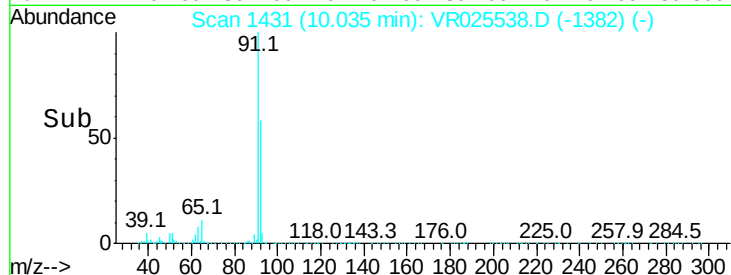
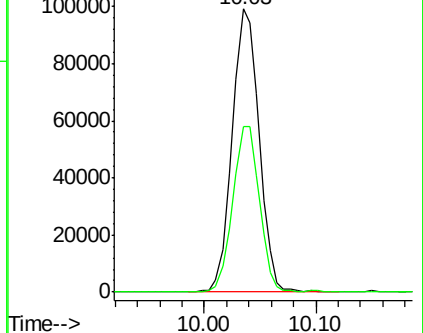
91 100

92 58.4 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 0.637 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025538.D

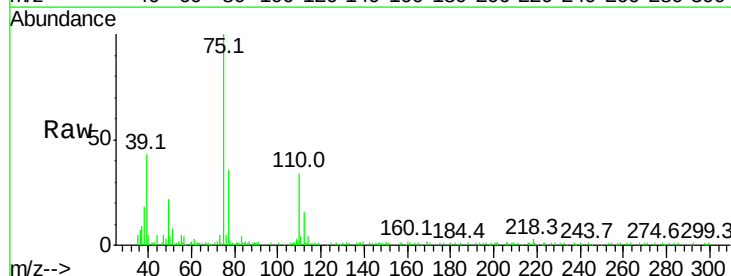
Acq: 30 Jul 2018 12:29

Tgt Ion: 75 Resp: 21971

Ion Ratio Lower Upper

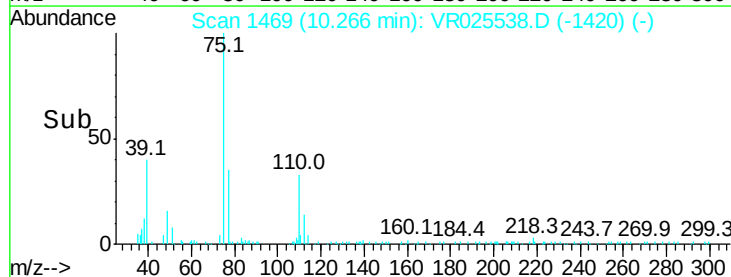
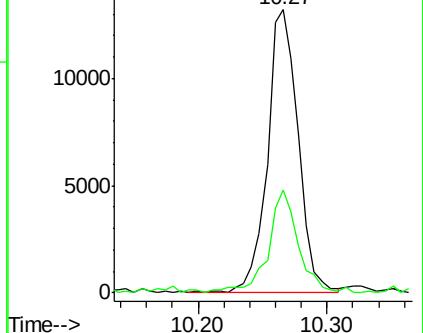
75 100

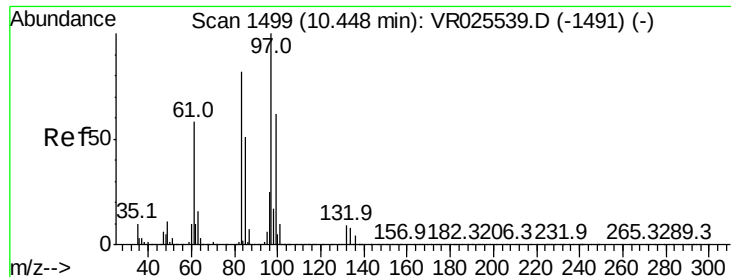
77 36.3 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0





#45

1,1,2-Trichloroethane

Concen: 0.838 ug/L

RT: 10.45 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 97 Resp: 17159

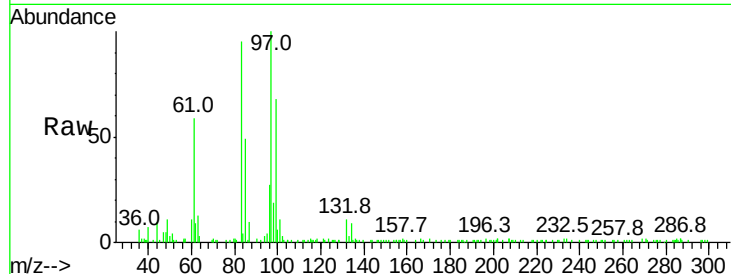
Ion Ratio Lower Upper

97 100

99 68.1 43.4 80.6

83 95.4 57.3 106.5

85 48.9 35.8 66.4

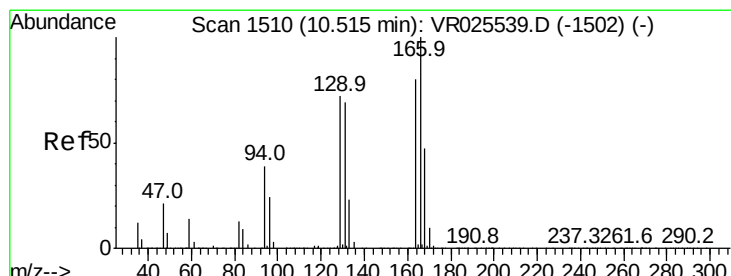
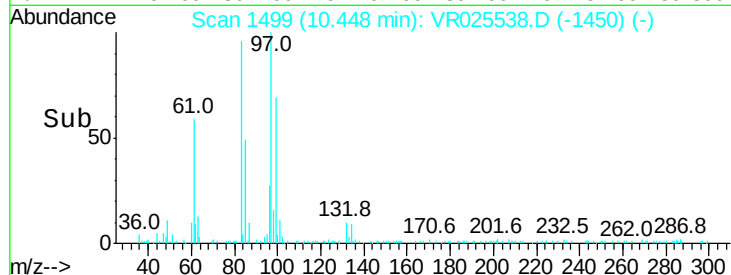
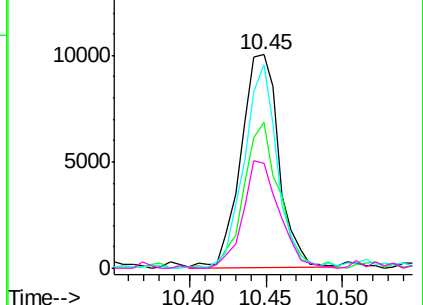


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 1.142 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Tgt Ion: 164 Resp: 34132

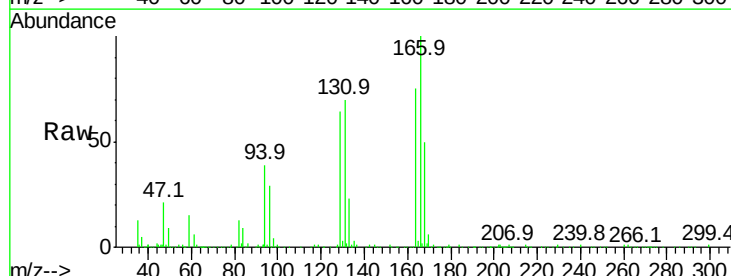
Ion Ratio Lower Upper

164 100

129 85.8 63.0 117.0

131 94.2 60.6 112.6

166 133.9 87.6 162.8

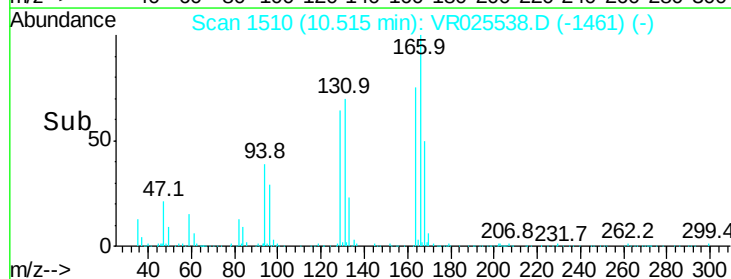
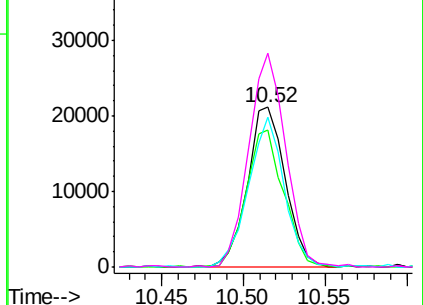


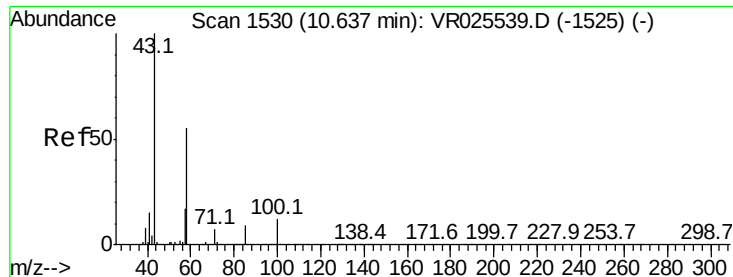
Abundance Ion 163.90 (163.60 to 164.60): V

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

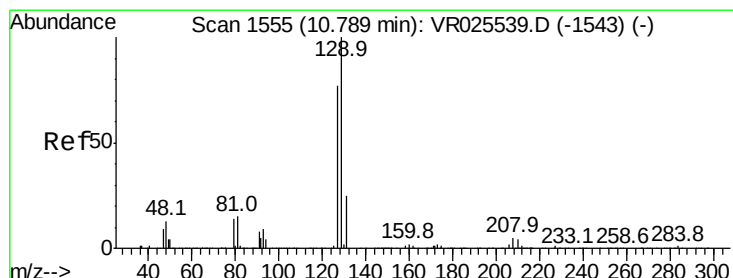
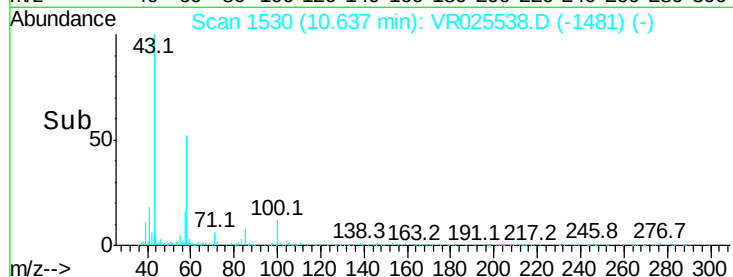
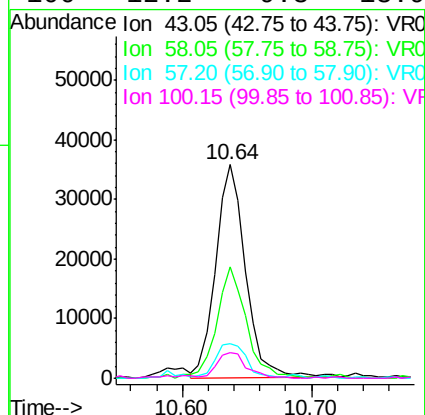
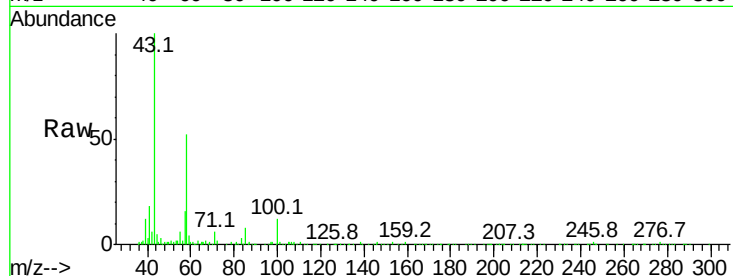




#48
2-Hexanone
Concen: 6.969 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

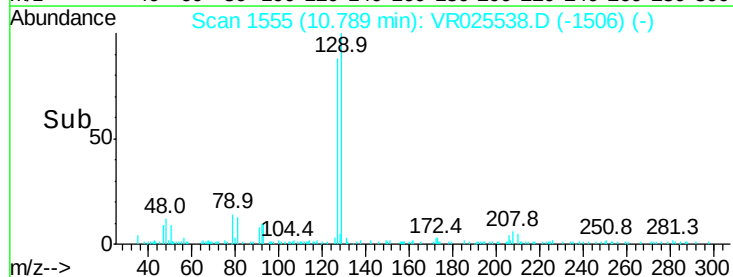
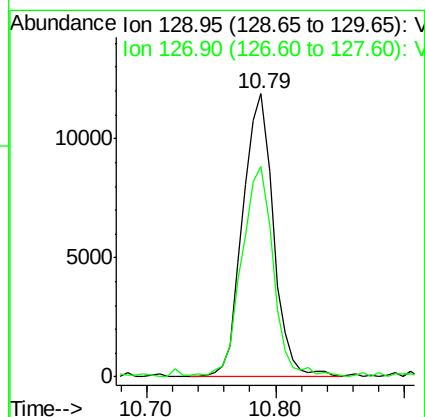
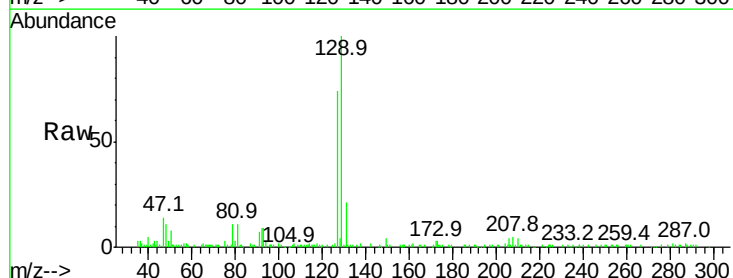
Instrument :
MSVOA_R
ClientSampled :
VSTD00182

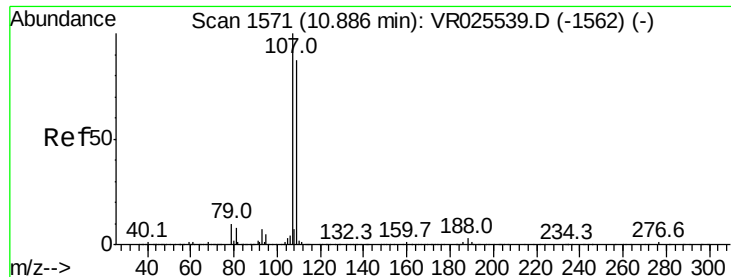
Tgt Ion:	43	Resp:	58066
Ion	Ratio	Lower	Upper
43	100		
58	52.2	45.0	67.6
57	17.5	15.8	23.6
100	12.2	9.3	13.9



#49
Dibromochloromethane
Concen: 0.917 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion:	129	Resp:	19572
Ion	Ratio	Lower	Upper
129	100		
127	74.5	54.3	100.9

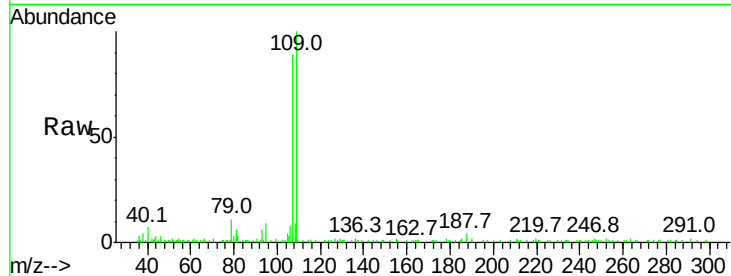




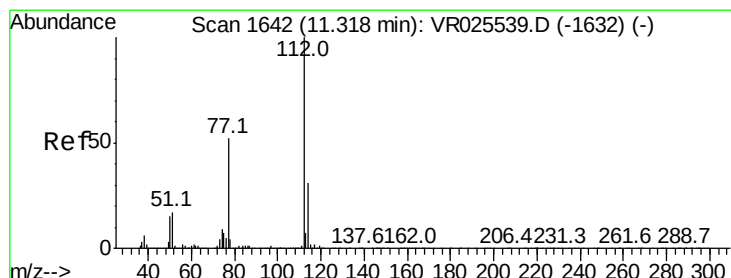
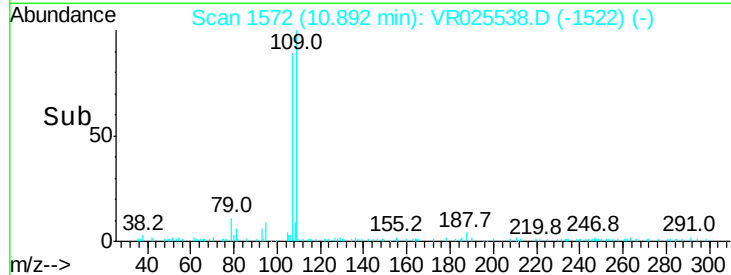
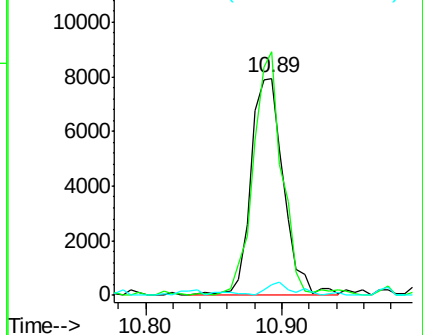
#50
1,2-Dibromoethane
Concen: 0.809 ug/L
RT: 10.89 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion:107 Resp: 13421
Ion Ratio Lower Upper
107 100
109 112.3 60.6 112.6
188 5.0 2.4 3.6#

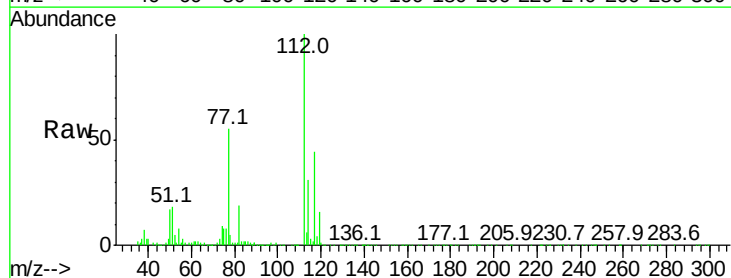


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

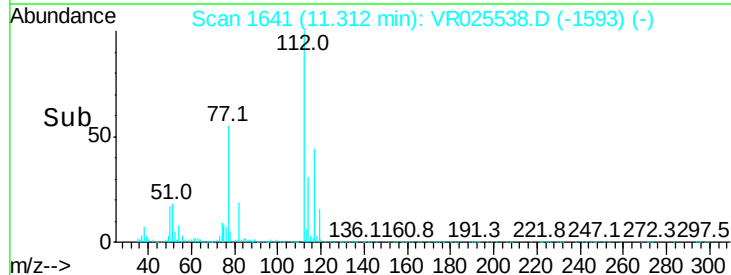
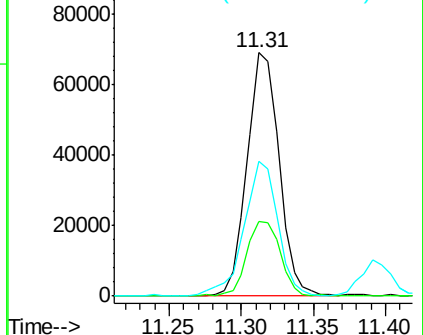


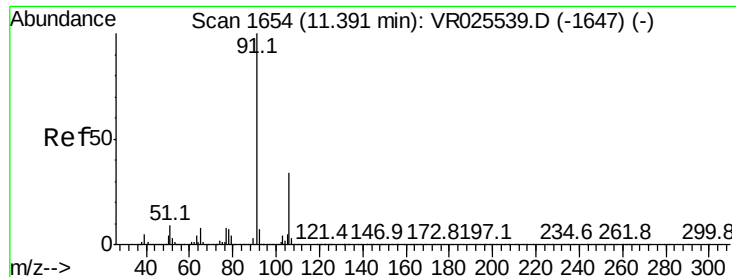
#51
Chlorobenzene
Concen: 0.997 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion:112 Resp: 106187
Ion Ratio Lower Upper
112 100
114 30.9 21.8 40.4
77 55.4 41.8 62.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 0.958 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

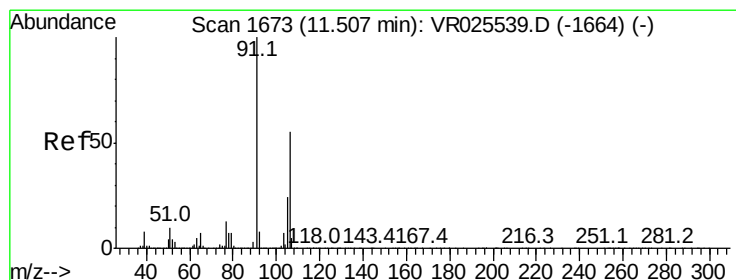
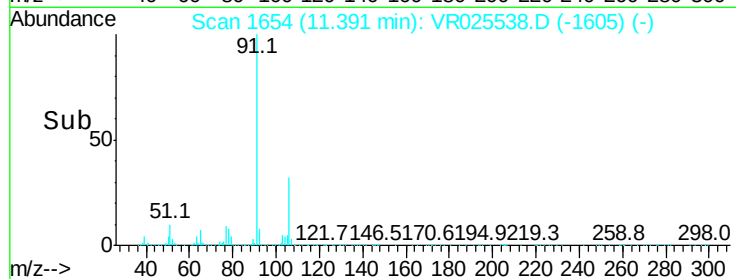
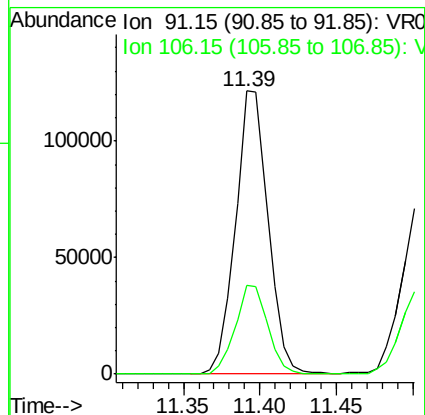
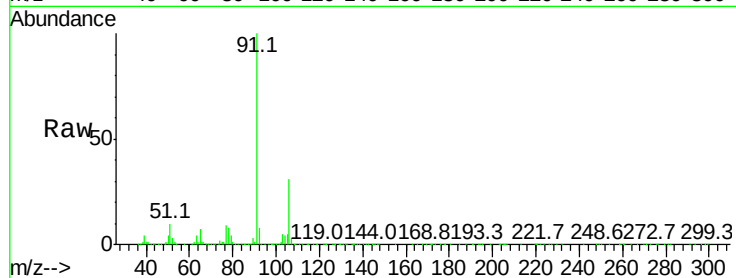
VSTD00182

Tgt Ion: 91 Resp: 179580

Ion Ratio Lower Upper

91 100

106 31.5 23.6 43.8



#53

m,p-Xylene

Concen: 0.950 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025538.D

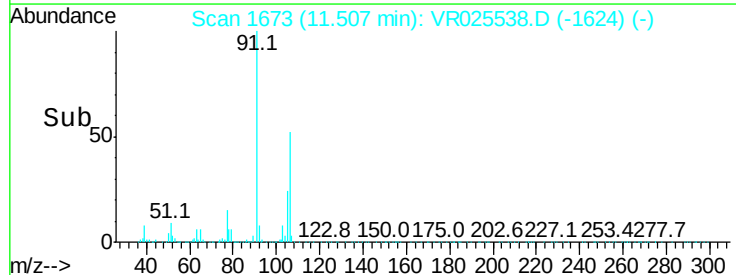
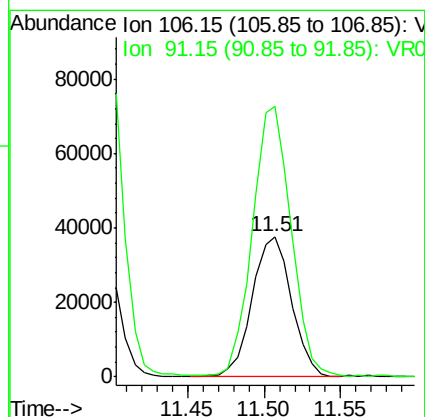
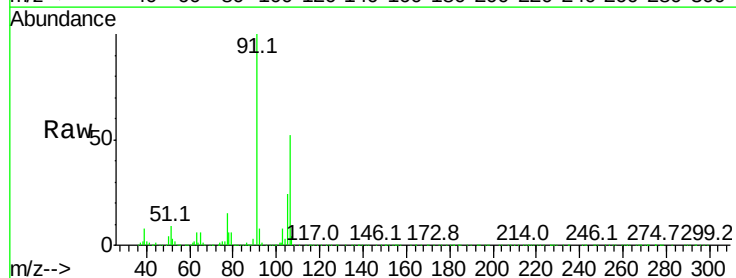
Acq: 30 Jul 2018 12:29

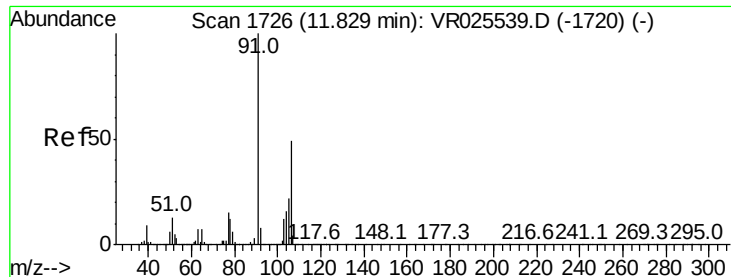
Tgt Ion: 106 Resp: 66804

Ion Ratio Lower Upper

106 100

91 192.9 128.2 238.0

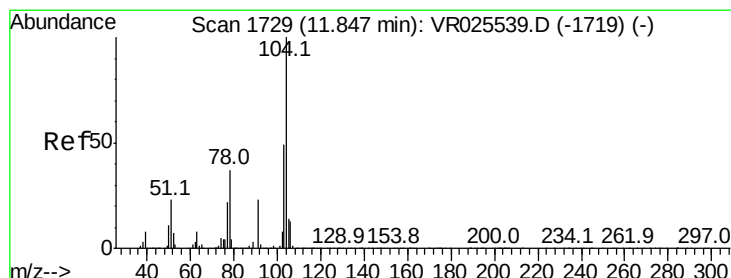
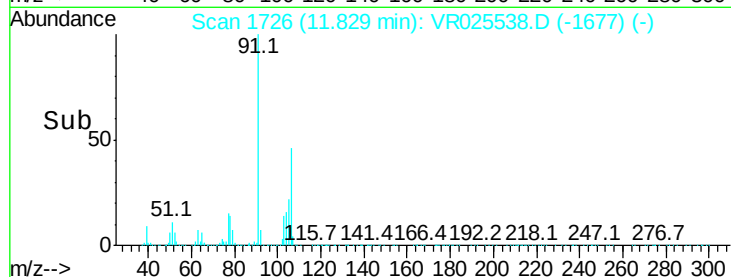
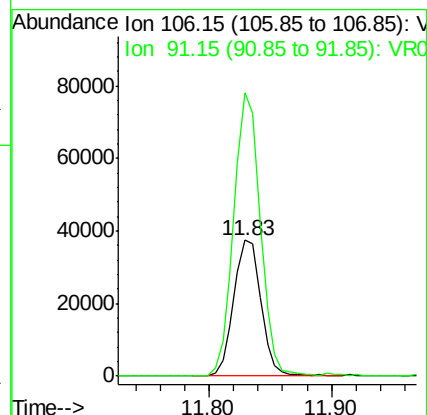
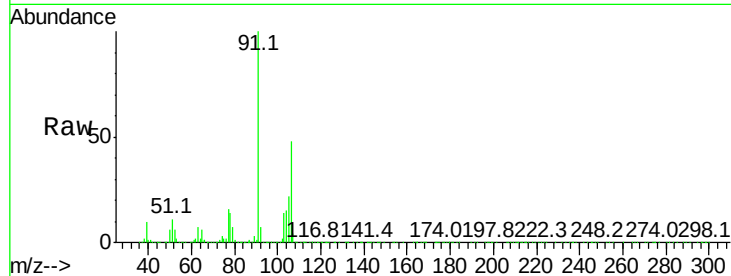




#54
o-Xylene
Concen: 0.954 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

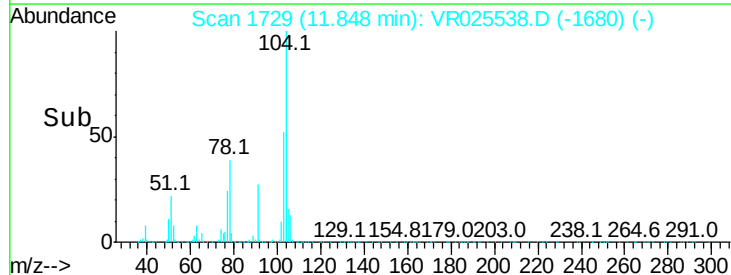
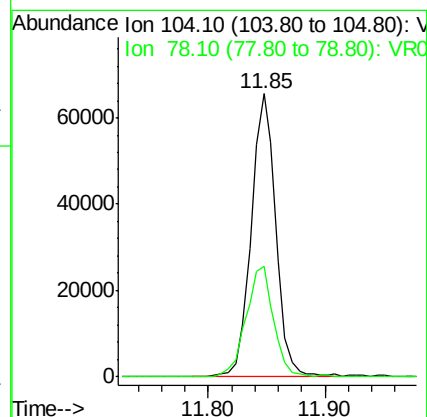
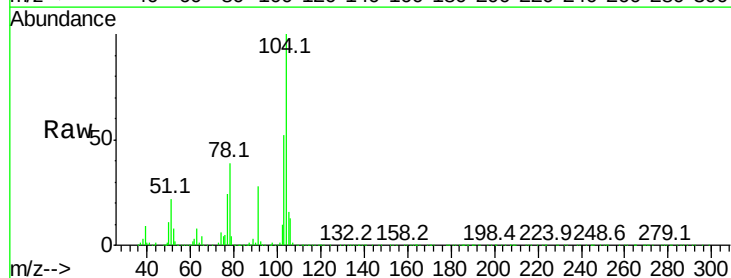
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

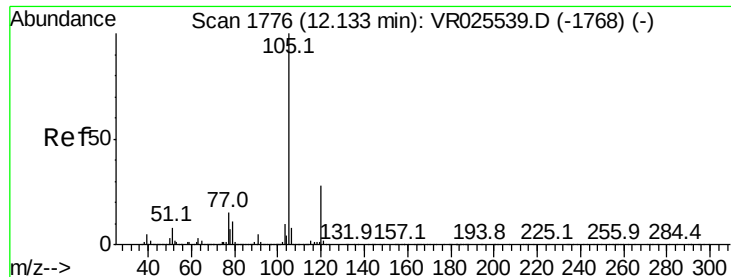
Tgt Ion:106 Resp: 57824
Ion Ratio Lower Upper
106 100
91 208.2 143.0 265.6



#55
Styrene
Concen: 0.969 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion:104 Resp: 96648
Ion Ratio Lower Upper
104 100
78 39.2 26.0 48.2





#56

Isopropylbenzene

Concen: 0.982 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

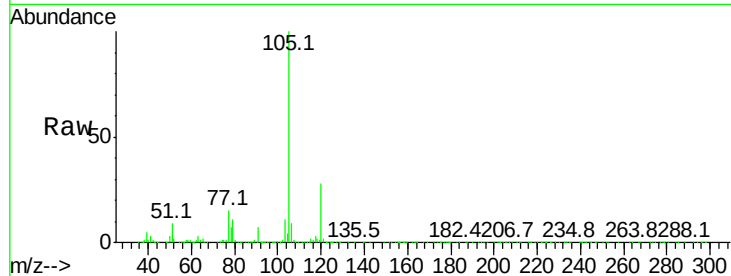
Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

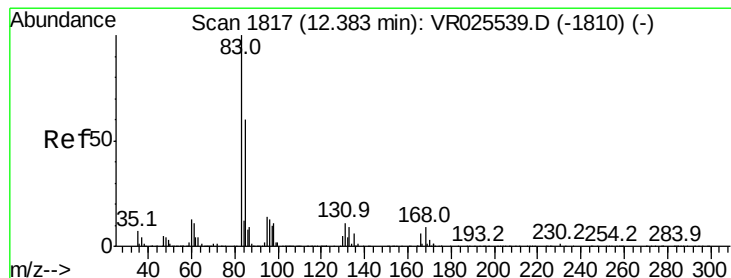
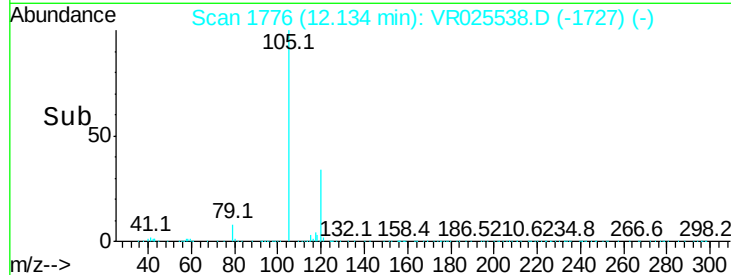
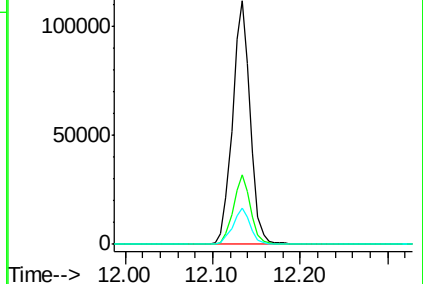
Tgt Ion:	105	Resp:	157654
Ion Ratio	Lower	Upper	
105	100		
120	28.0	22.5	33.7
77	14.6	11.8	17.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.818 ug/L

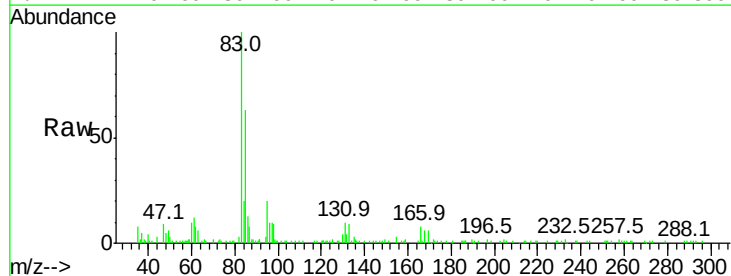
RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

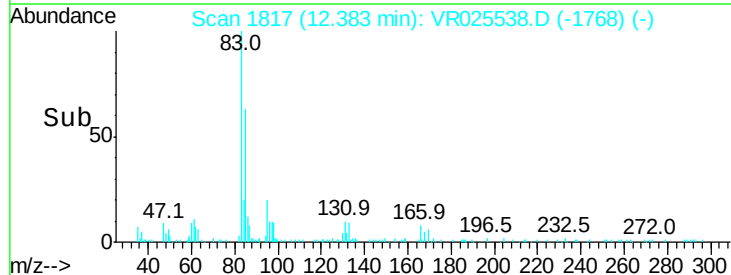
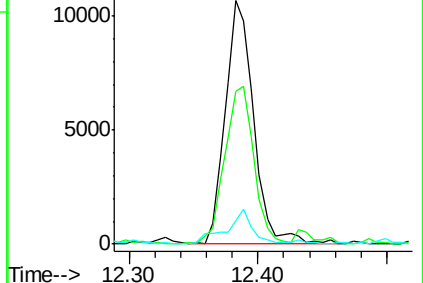
Tgt Ion:	83	Resp:	16499
Ion Ratio	Lower	Upper	
83	100		
85	62.5	42.5	78.9
131	9.8	8.6	13.0

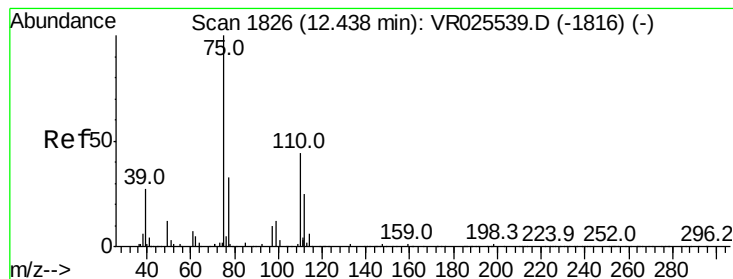


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.768 ug/L

RT: 12.43 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

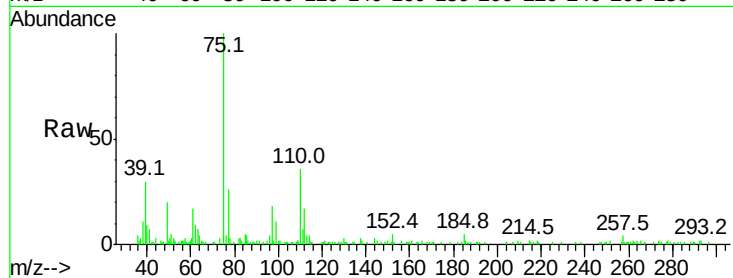
VSTD00182

Tgt Ion: 75 Resp: 11150

Ion Ratio Lower Upper

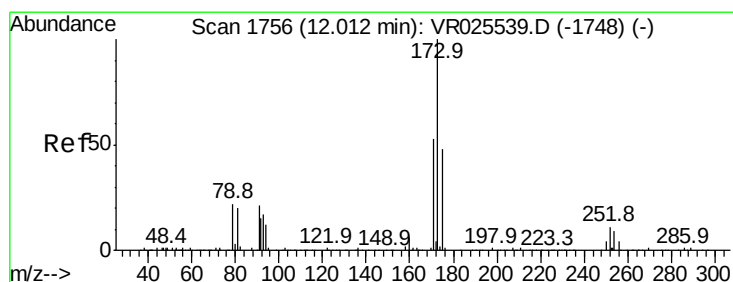
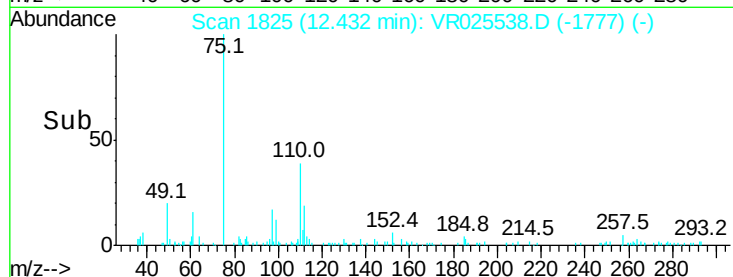
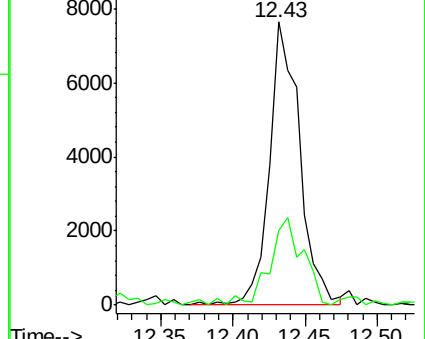
75 100

77 34.5 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 0.957 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

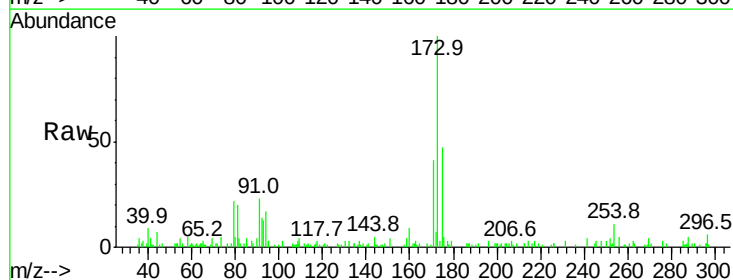
Tgt Ion: 173 Resp: 8184

Ion Ratio Lower Upper

173 100

175 54.0 39.3 58.9

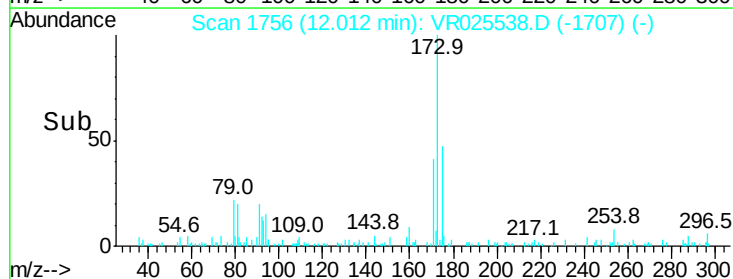
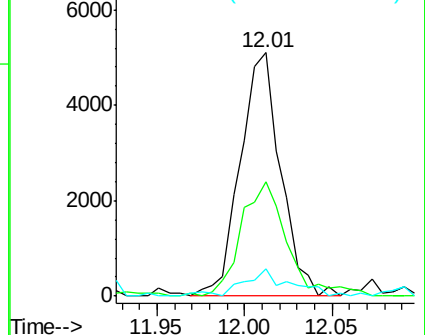
254 12.8 7.5 11.3#

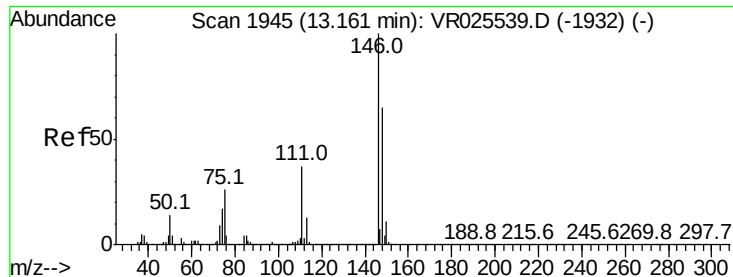


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.948 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampled :

VSTD00182

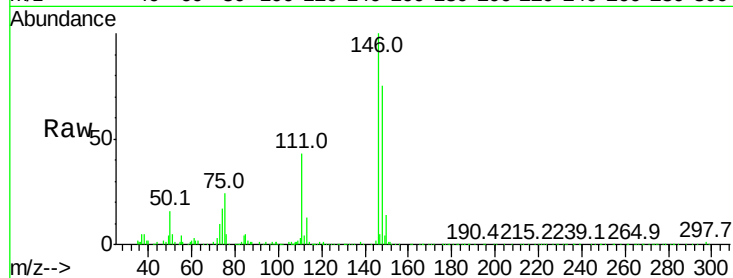
Tgt Ion:146 Resp: 58348

Ion Ratio Lower Upper

146 100

111 43.5 26.2 48.6

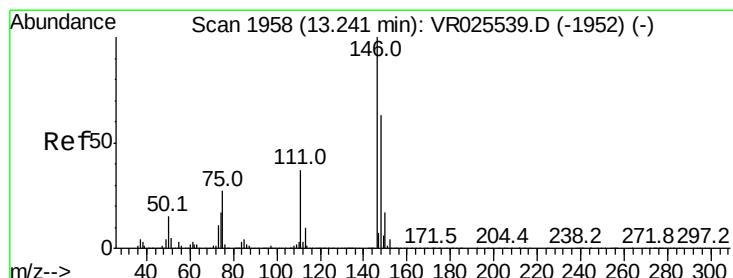
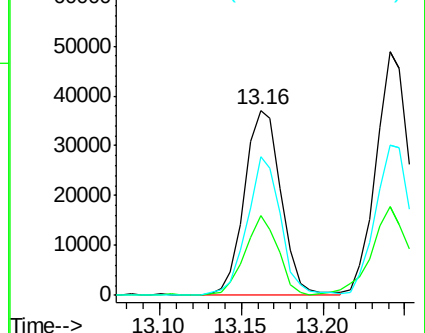
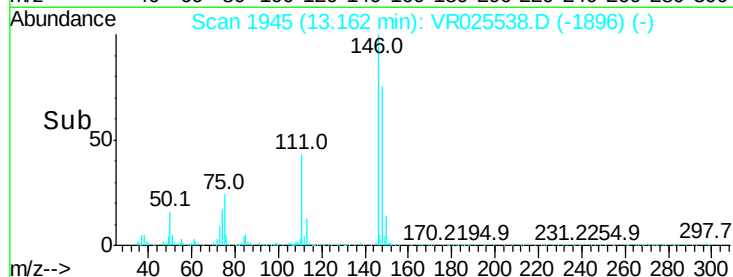
148 74.9 45.2 84.0



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: 1.034 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

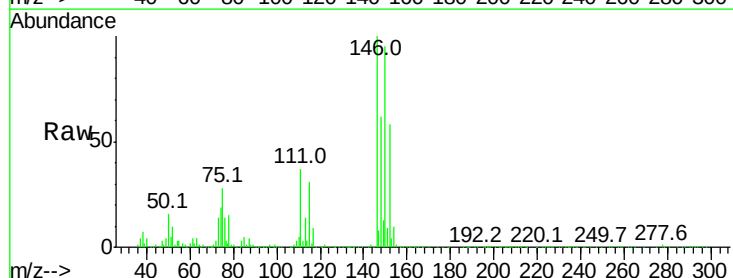
Tgt Ion:146 Resp: 70605

Ion Ratio Lower Upper

146 100

111 36.6 25.6 47.6

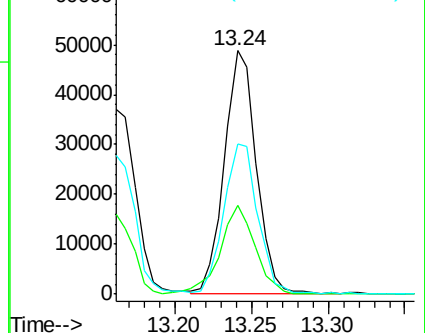
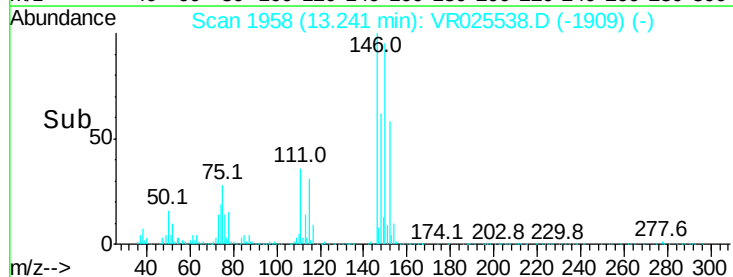
148 61.9 44.2 82.0

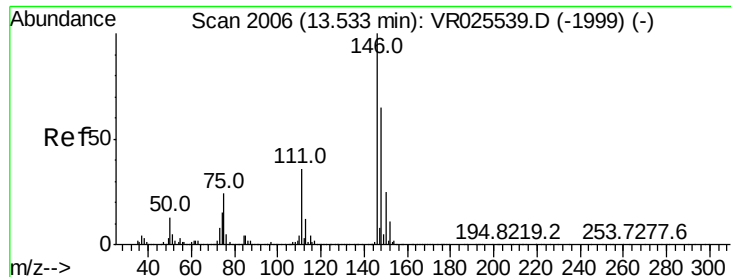


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

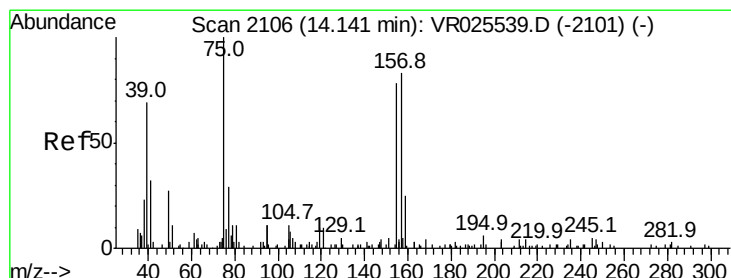
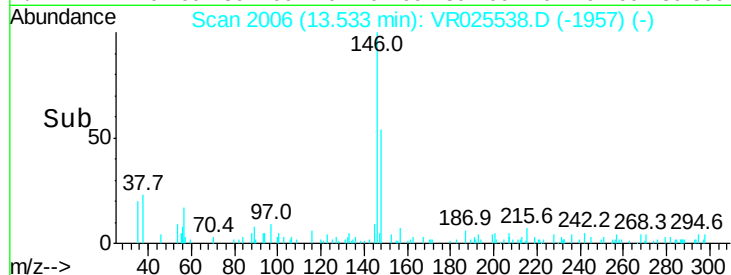
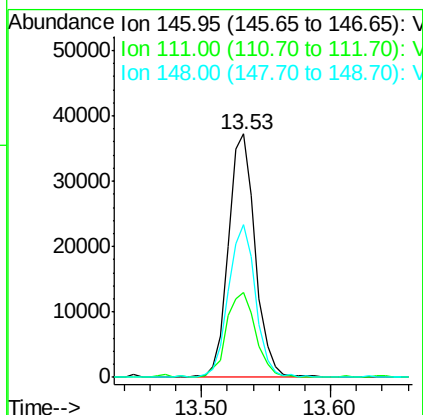
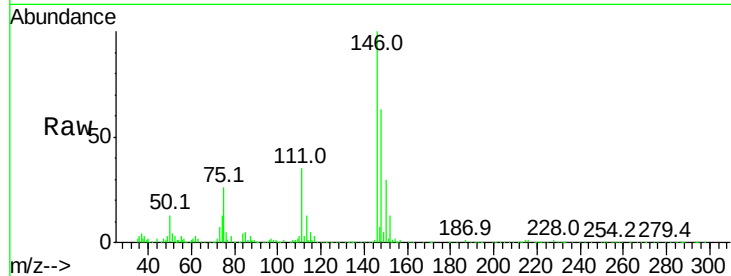




#65
1,2-Dichlorobenzene
Concen: 1.015 ug/L
RT: 13.53 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

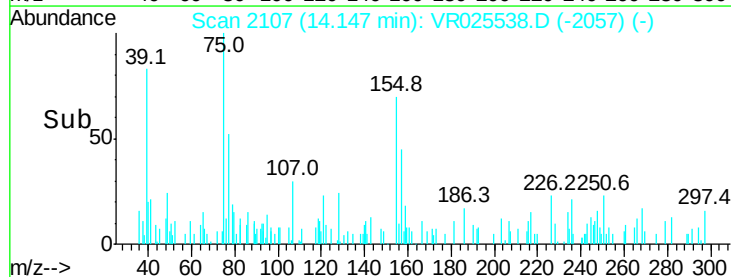
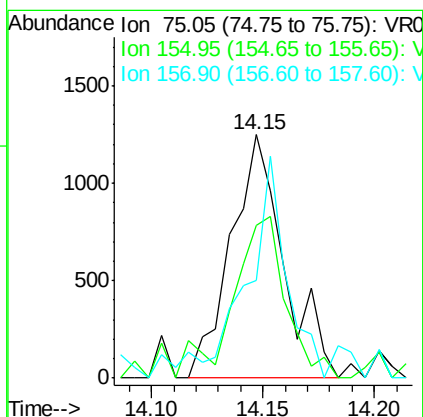
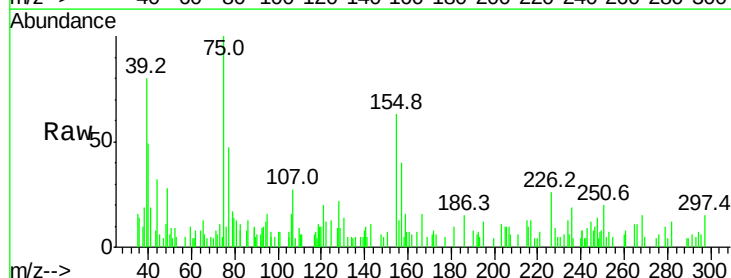
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

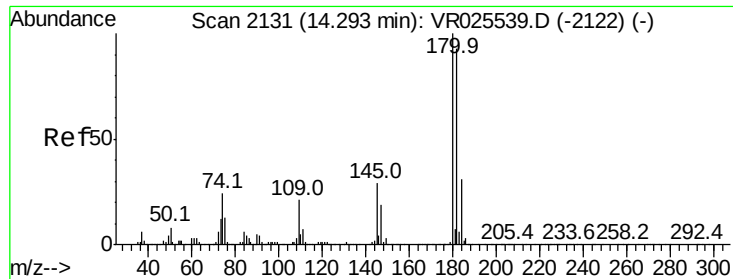
Tgt Ion: 146 Resp: 54265
Ion Ratio Lower Upper
146 100
111 34.6 28.9 43.3
148 62.7 52.1 78.1



#66
1,2-Dibromo-3-chloropropane
Concen: 0.874 ug/L
RT: 14.15 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VR025538.D
Acq: 30 Jul 2018 12:29

Tgt Ion: 75 Resp: 2066
Ion Ratio Lower Upper
75 100
155 62.8 62.3 93.5
157 40.2 67.7 101.5#

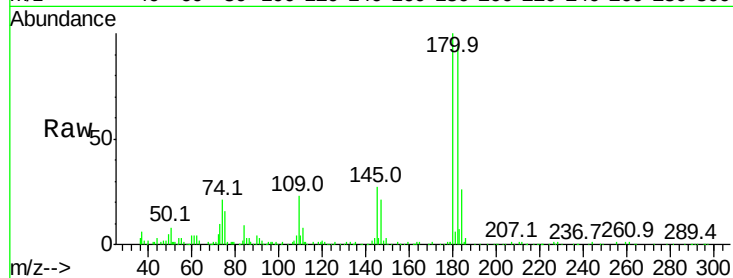




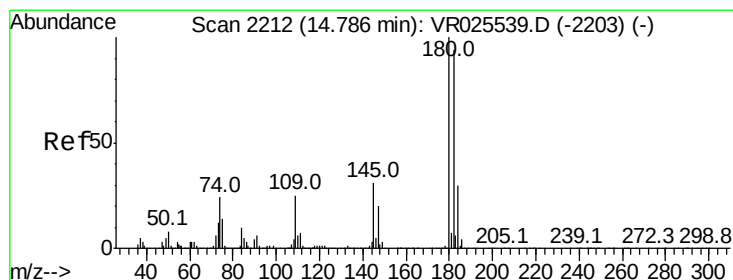
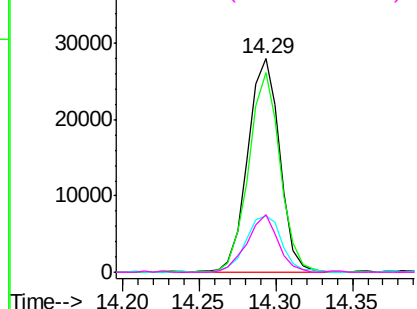
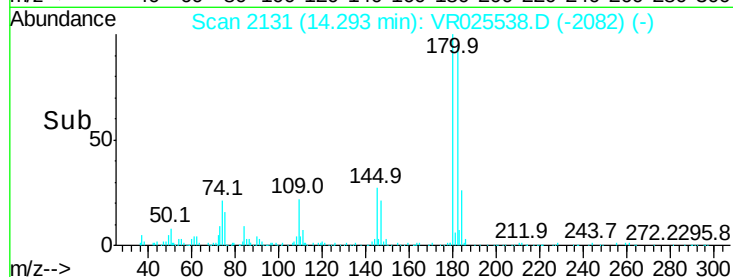
#67
 1,3,5-Trichlorobenzene
 Concen: 1.012 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025538.D
 Acq: 30 Jul 2018 12:29

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

Tgt Ion:	180	Resp:	40655
Ion	Ratio	Lower	Upper
180	100		
182	91.7	75.0	112.4
184	29.6	24.1	36.1
145	26.1	24.1	36.1

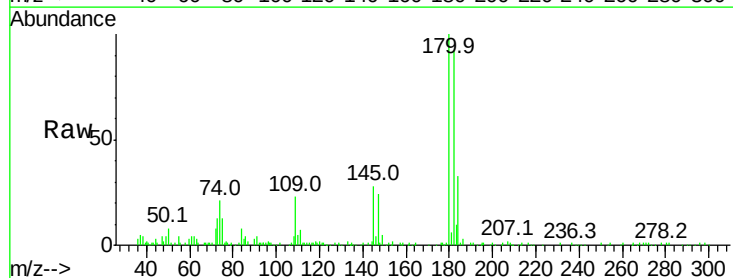


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

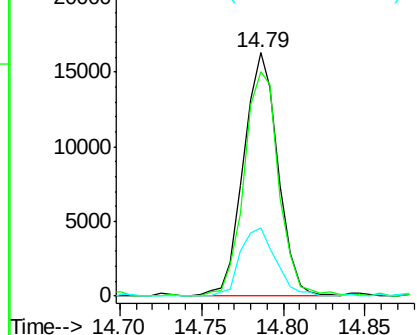
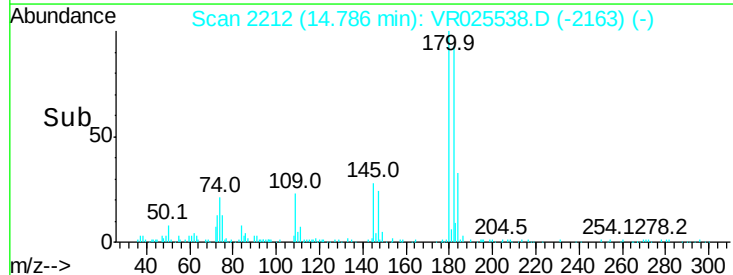


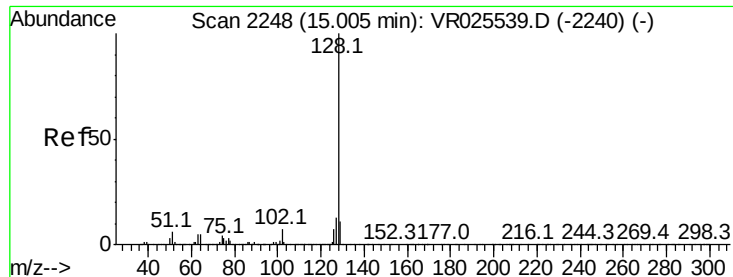
#68
 1,2,4-trichlorobenzene
 Concen: 0.868 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025538.D
 Acq: 30 Jul 2018 12:29

Tgt Ion:	180	Resp:	23962
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
145	28.8	24.0	36.0



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: 0.610 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

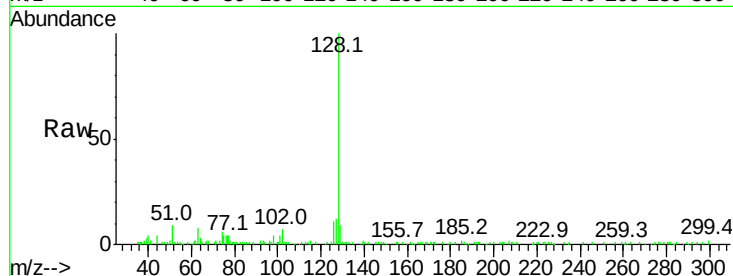
Tgt Ion:128 Resp: 21587

Ion Ratio Lower Upper

128 100

127 14.9 11.1 16.7

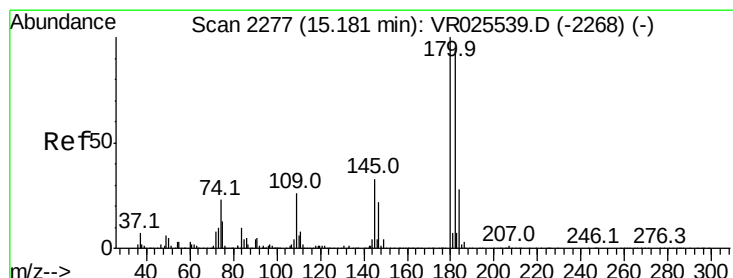
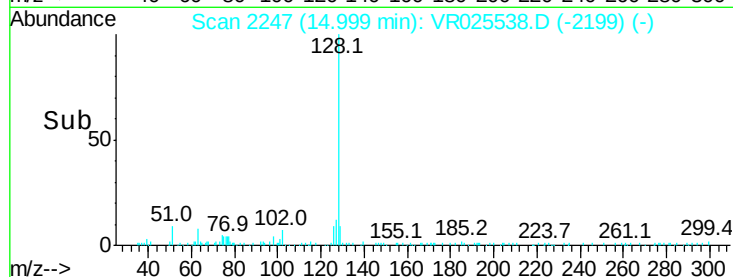
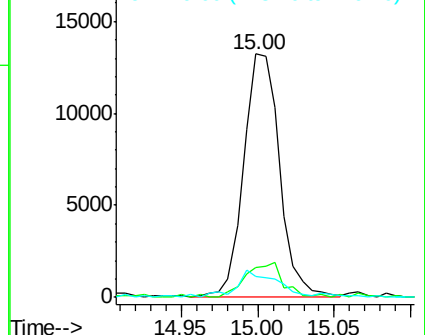
129 12.4 8.9 13.3



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: 0.947 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025538.D

Acq: 30 Jul 2018 12:29

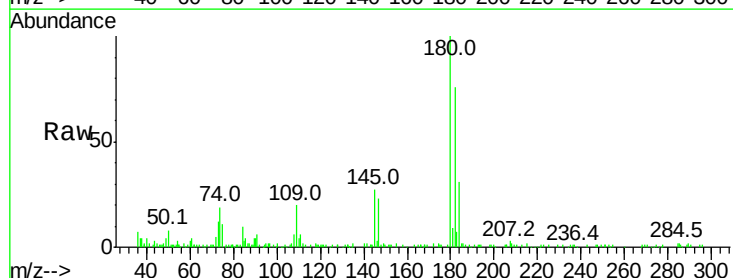
Tgt Ion:180 Resp: 20178

Ion Ratio Lower Upper

180 100

182 86.4 75.6 113.4

145 28.8 26.1 39.1



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

