

Data File : VR025624.D
Acq On : 21 Aug 2018 12:36
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Aug 21 16:36:05 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	478598	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	396522	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	149822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	36626	1.12	ug/L	0.00
7) Chloroethane-d5	2.62	69	29455	1.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.62	63	84769	1.10	ug/L	0.00
20) 2-Butanone-d5	6.59	46	21121	6.78	ug/L	0.00
24) Chloroform-d	7.21	84	57130	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	18766	0.88	ug/L	0.00
32) Benzene-d6	7.86	84	132716	1.23	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	33832	1.13	ug/L	0.00
41) Toluene-d8	9.97	98	117085	1.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	7797	1.08	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	20014	7.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	17027	1.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	25062	0.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	28966	1.036 ug/L	100
3) Chloromethane	2.00	50	43167	1.025 ug/L	99
5) Vinyl chloride	2.16	62	43091	1.136 ug/L	93
6) Bromomethane	2.52	94	29582	1.616 ug/L	98
8) Chloroethane	2.64	64	29187	1.457 ug/L	99
9) Trichlorofluoromethane	2.94	101	19633	0.356 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	37365	1.048 ug/L #	69
12) 1,1-Dichloroethene	3.63	96	42611	1.081 ug/L	85
13) Acetone	3.70	43	13647	4.274 ug/L	96
14) Carbon disulfide	3.95	76	100715	1.239 ug/L #	93
15) Methyl Acetate	4.19	43	5913	0.704 ug/L #	78
16) Methylene chloride	4.41	84	40654	1.114 ug/L #	83
17) Methyl tert-butyl Ether	4.90	73	38809	0.937 ug/L	95
18) trans-1,2-Dichloroethene	4.88	96	40446	1.088 ug/L	94
19) 1,1-Dichloroethane	5.69	63	64563	1.220 ug/L	98
21) 2-Butanone	6.69	43	28050	7.226 ug/L	78
22) cis-1,2-Dichloroethene	6.67	96	32911	0.984 ug/L #	99
23) Bromochloromethane	7.05	128	10088	0.794 ug/L	91
25) Chloroform	7.24	83	54878	0.990 ug/L	97
27) 1,2-Dichloroethane	8.00	62	21465	0.959 ug/L #	95
29) 1,1,1-Trichloroethane	7.43	97	42080	1.251 ug/L	95
30) Cyclohexane	7.52	56	41056	1.239 ug/L	94
31) Carbon tetrachloride	7.63	117	35618	1.007 ug/L	95
33) Benzene	7.91	78	149871	1.211 ug/L	100
34) Trichloroethene	8.71	95	33951	1.157 ug/L	95
35) Methylcyclohexane	8.96	83	48629	1.221 ug/L	96
37) 1,2-Dichloropropane	8.99	63	34403	1.216 ug/L	99
38) Bromodichloromethane	9.29	83	27011	0.960 ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	27180	0.975 ug/L	88
40) 4-Methyl-2-pentanone	9.86	43	69007	8.118 ug/L	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	141062	1.058	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	21620	1.045	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	13694	0.915	ug/L #	77
47) Tetrachloroethene	10.52	164	25646	0.989	ug/L	91
48) 2-Hexanone	10.63	43	56537	9.486	ug/L	92
49) Dibromochloromethane	10.78	129	14799	0.835	ug/L	88
50) 1,2-Dibromoethane	10.89	107	11243	0.880	ug/L #	82
51) Chlorobenzene	11.31	112	93188	1.095	ug/L	96
52) Ethylbenzene	11.39	91	142903	1.062	ug/L	97
53) m,p-Xylene	11.51	106	55667	1.046	ug/L	97
54) o-Xylene	11.83	106	46805	0.943	ug/L	94
55) Styrene	11.85	104	81142	0.992	ug/L	91
56) Isopropylbenzene	12.13	105	118593	0.993	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	16699	1.109	ug/L	91
59) 1,2,3-Trichloropropane	12.44	75	10798	1.151	ug/L #	88
61) Bromoform	12.01	173	6444	0.924	ug/L	91
62) 1,3-Dichlorobenzene	13.16	146	45953	1.064	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	55832	1.070	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	41610	1.011	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	1378	1.118	ug/L #	63
67) 1,3,5-Trichlorobenzene	14.29	180	27513	0.946	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	14719	0.822	ug/L	96
69) Naphthalene	15.00	128	16213	0.773	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	12552	0.825	ug/L	97

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

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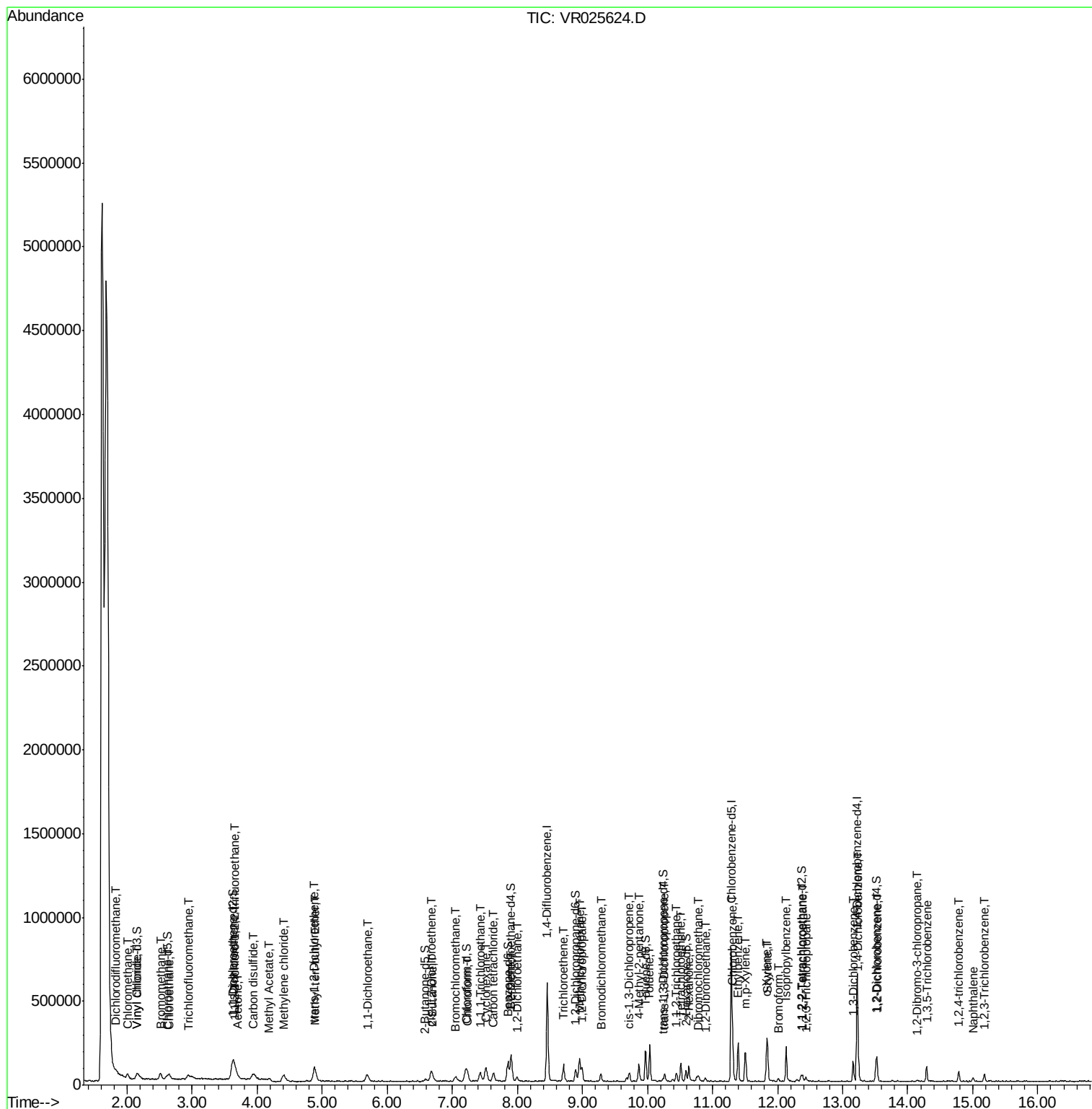
Quant Time: Aug 21 16:36:05 2018

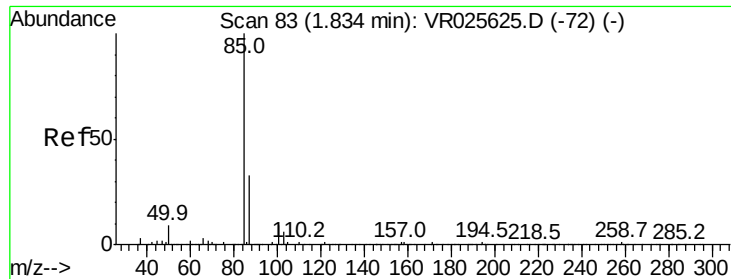
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_R\METHODS\SOMRTR082118WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 1.036 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

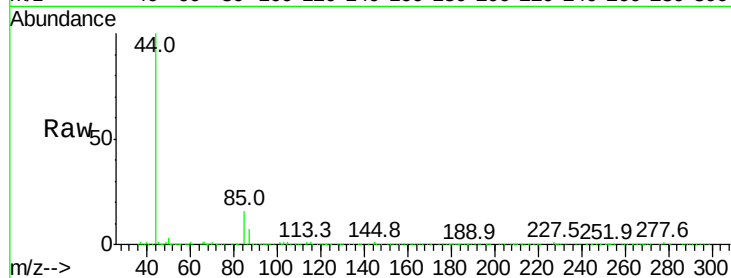
VSTD00182

Tgt Ion: 85 Resp: 28966

Ion Ratio Lower Upper

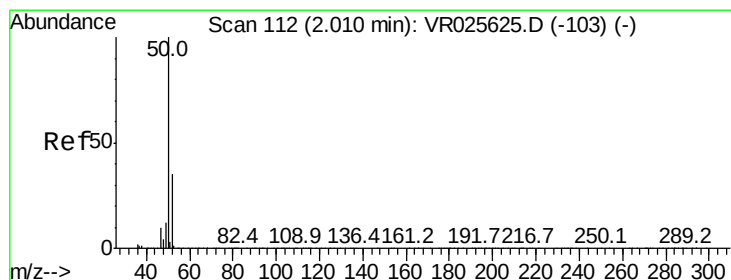
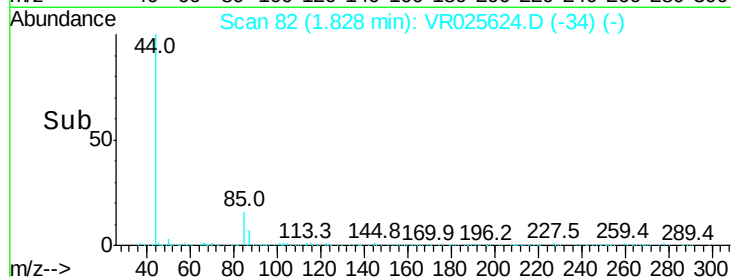
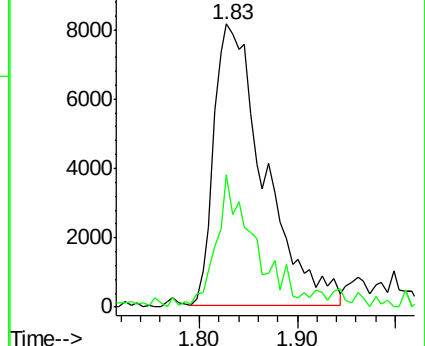
85 100

87 29.2 23.5 35.3



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 1.025 ug/L

RT: 2.00 min Scan# 110

Delta R.T. -0.01 min

Lab File: VR025624.D

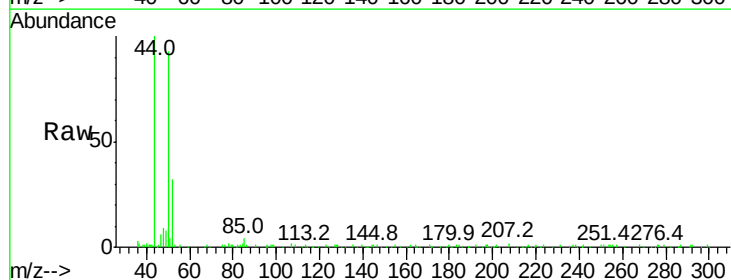
Acq: 21 Aug 2018 12:36

Tgt Ion: 50 Resp: 43167

Ion Ratio Lower Upper

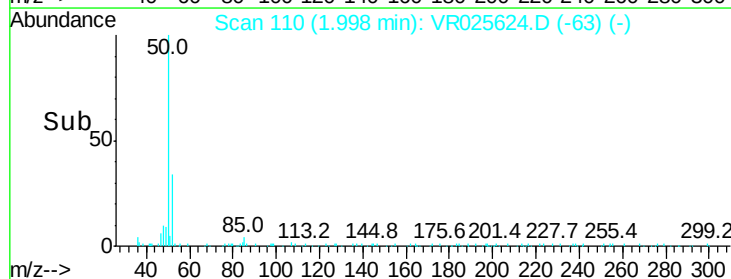
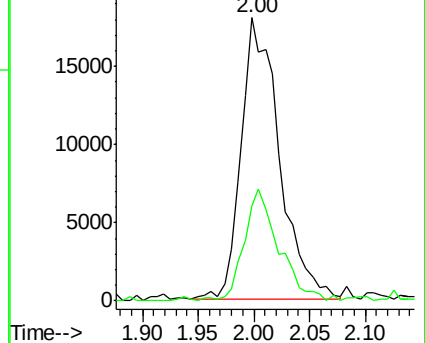
50 100

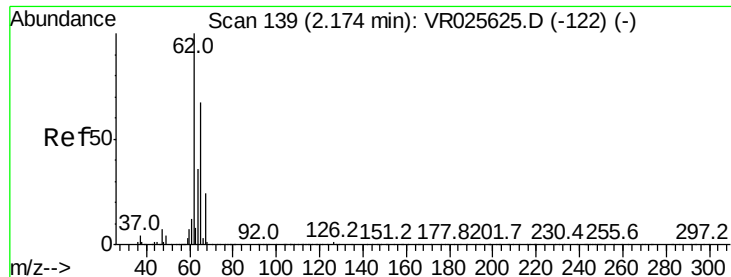
52 33.8 24.2 45.0



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 1.136 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.02 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

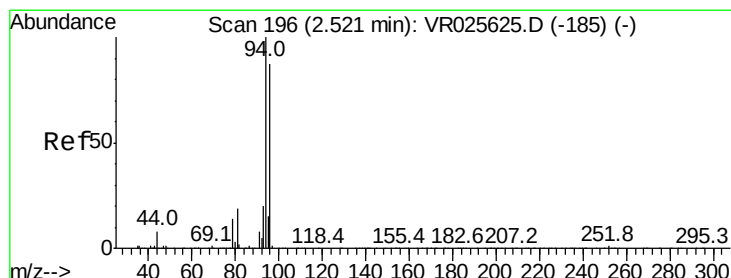
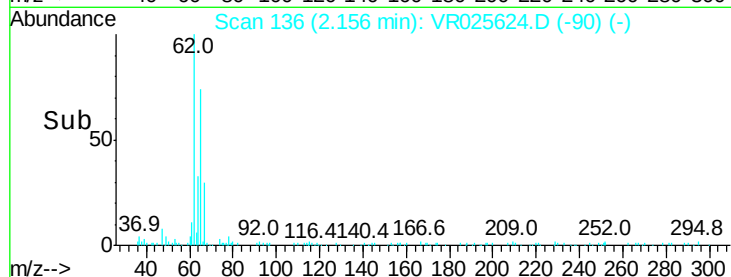
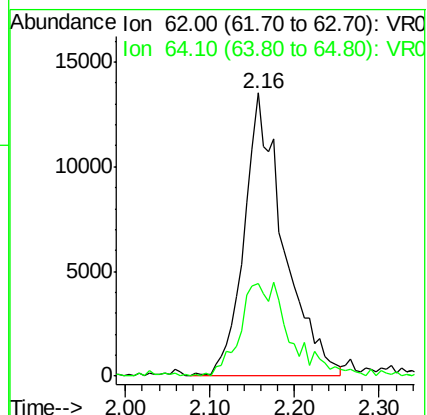
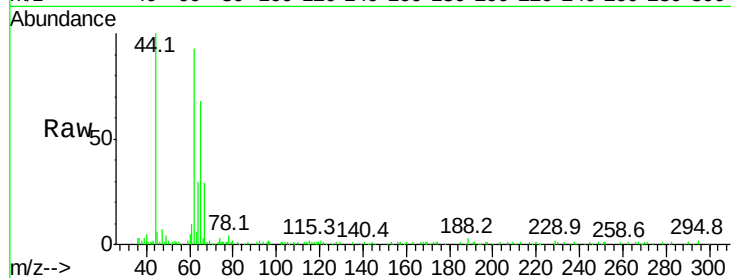
VSTD00182

Tgt Ion: 62 Resp: 43091

Ion Ratio Lower Upper

62 100

64 32.6 25.6 47.4



#6

Bromomethane

Concen: 1.616 ug/L

RT: 2.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VR025624.D

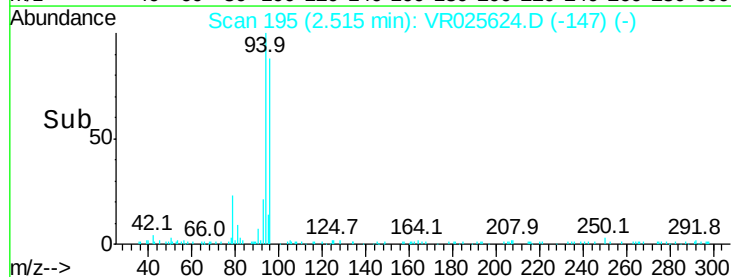
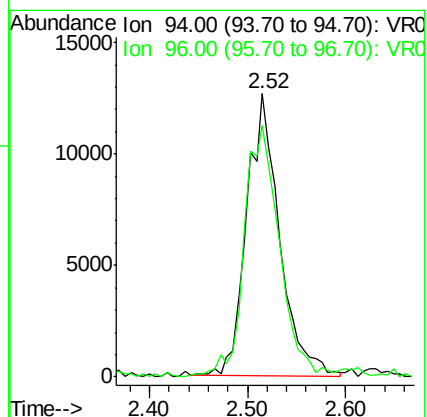
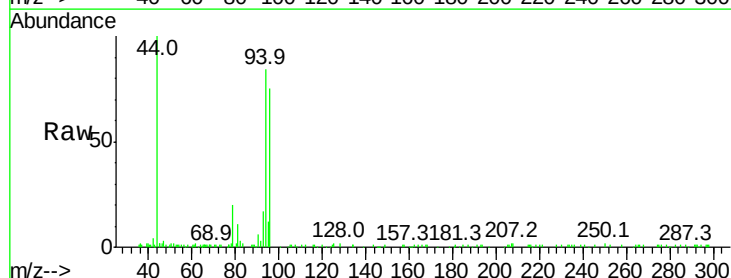
Acq: 21 Aug 2018 12:36

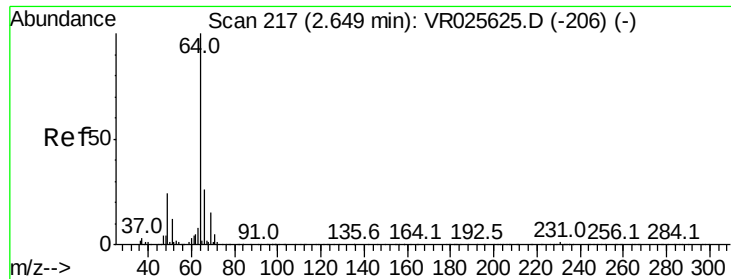
Tgt Ion: 94 Resp: 29582

Ion Ratio Lower Upper

94 100

96 88.9 60.8 112.8

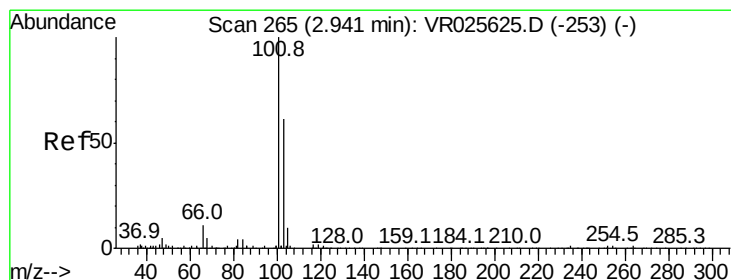
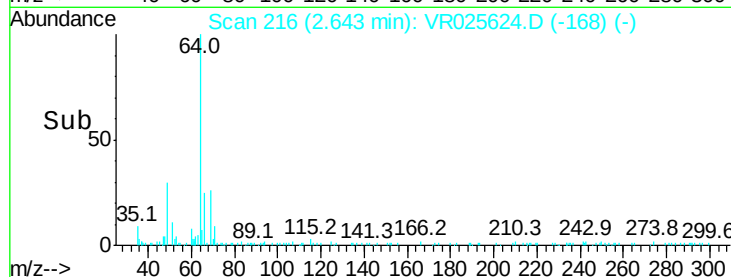
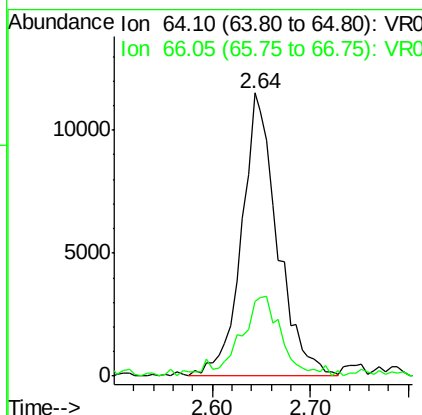
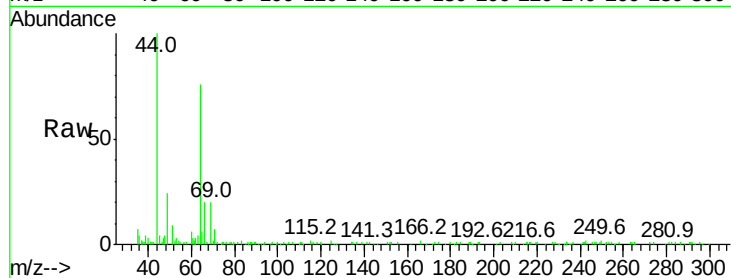




#8
Chloroethane
Concen: 1.457 ug/L
RT: 2.64 min Scan# 216
Delta R.T. -0.01 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

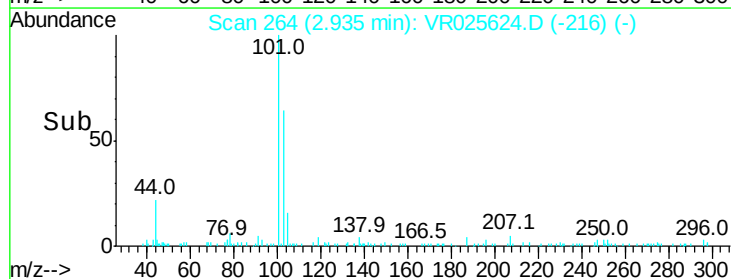
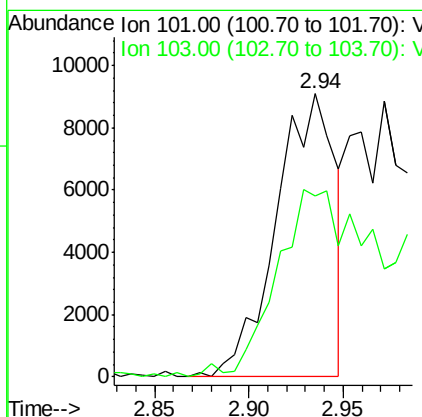
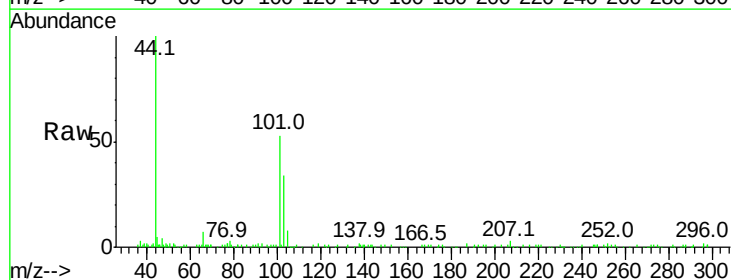
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

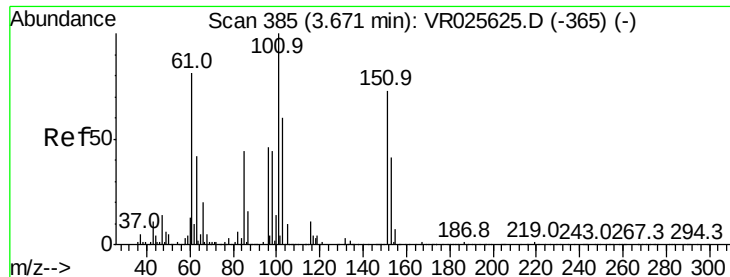
Tgt Ion: 64 Resp: 29187
Ion Ratio Lower Upper
64 100
66 26.6 18.2 33.8



#9
Trichlorofluoromethane
Concen: 0.356 ug/L
RT: 2.94 min Scan# 264
Delta R.T. -0.01 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

Tgt Ion: 101 Resp: 19633
Ion Ratio Lower Upper
101 100
103 100.1 16.4 24.6#





#10

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

Concen: 1.048 ug/L

RT: 3.67 min Scan# 384

Delta R.T. -0.01 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

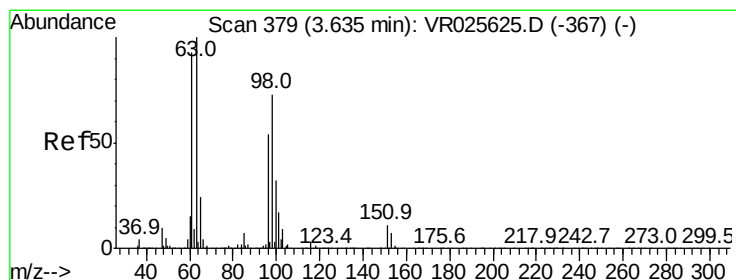
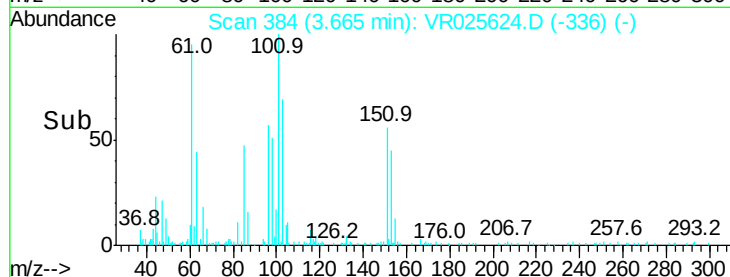
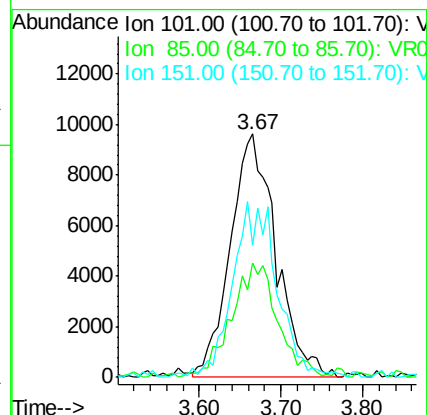
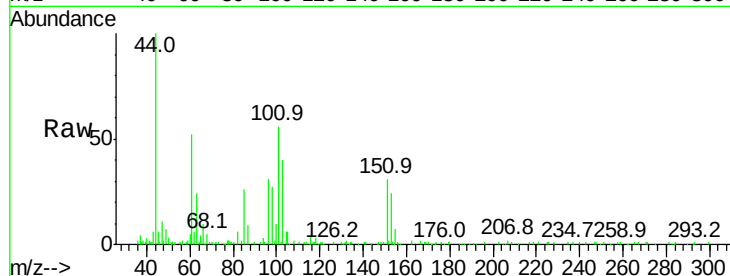
Tgt Ion:101 Resp: 37365

Ion Ratio Lower Upper

101 100

85 47.5 35.6 53.4

151 33.9 59.1 88.7#



#12

1,1-Dichloroethene

Concen: 1.081 ug/L

RT: 3.63 min Scan# 379

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

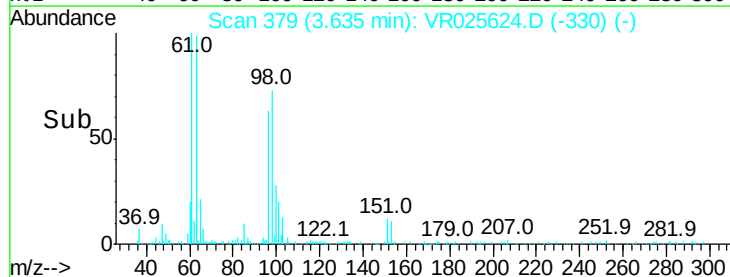
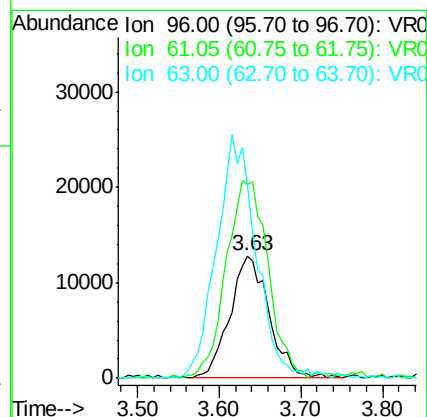
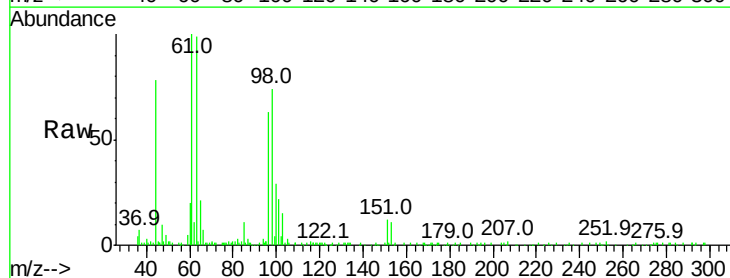
Tgt Ion: 96 Resp: 42611

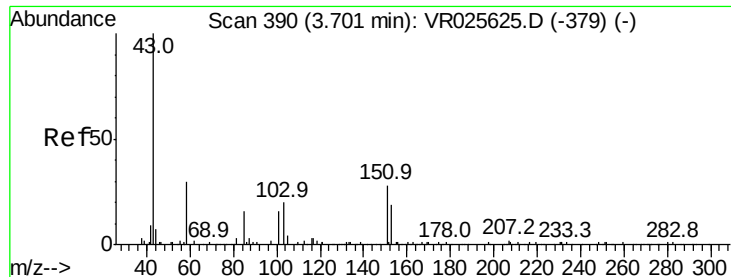
Ion Ratio Lower Upper

96 100

61 158.4 119.8 222.6

63 157.4 131.1 243.5





#13

Acetone

Concen: 4.274 ug/L

RT: 3.70 min Scan# 390

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

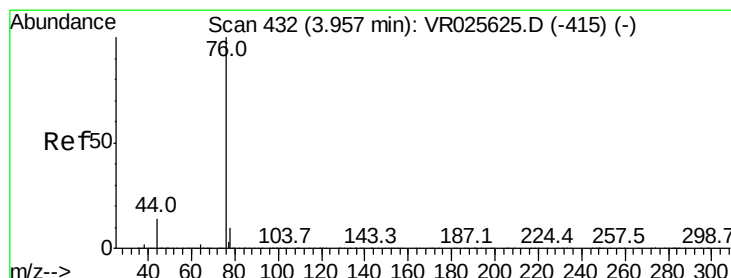
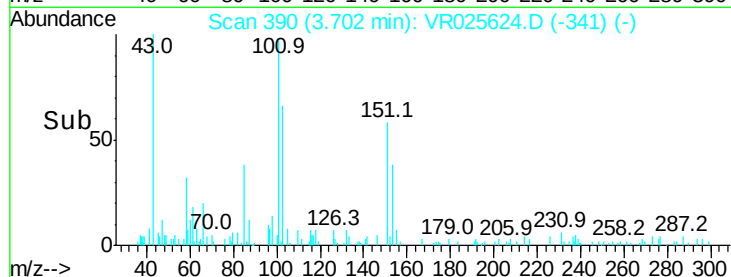
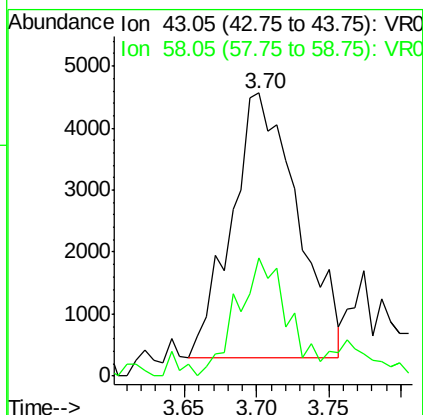
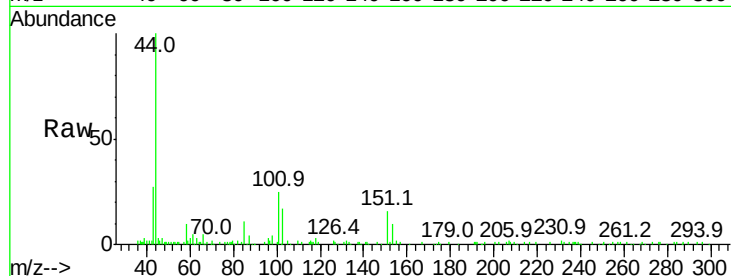
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion: 43 Resp: 13647

Ion Ratio Lower Upper

43 100

58 33.9 0.0 63.4



#14

Carbon disulfide

Concen: 1.239 ug/L

RT: 3.95 min Scan# 431

Delta R.T. -0.01 min

Lab File: VR025624.D

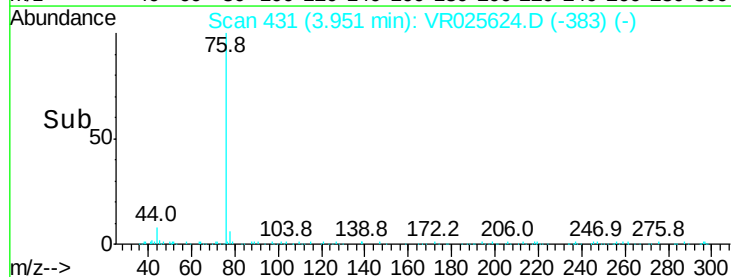
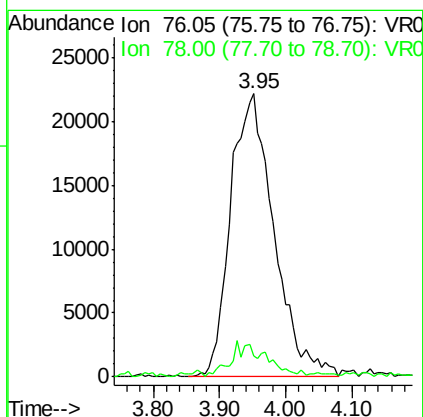
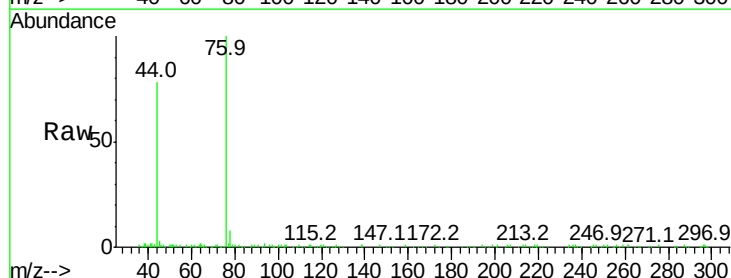
Acq: 21 Aug 2018 12:36

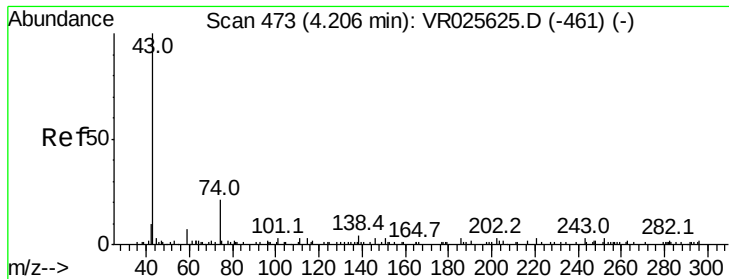
Tgt Ion: 76 Resp: 100715

Ion Ratio Lower Upper

76 100

78 7.6 8.1 12.1#

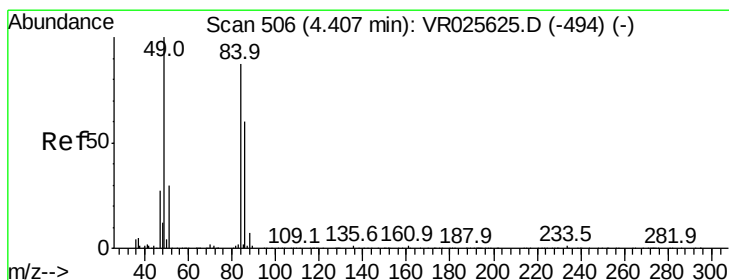
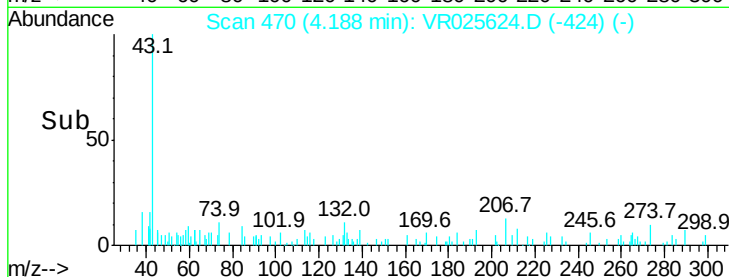
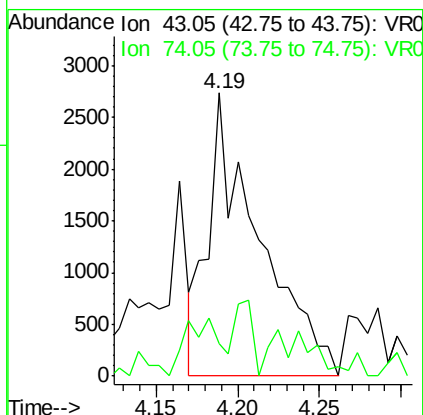
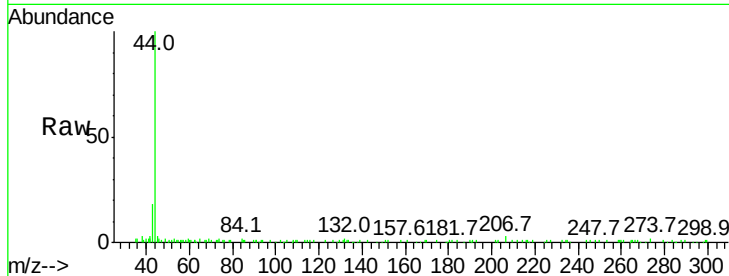




#15
Methyl Acetate
Concen: 0.704 ug/L
RT: 4.19 min Scan# 470
Delta R.T. -0.02 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

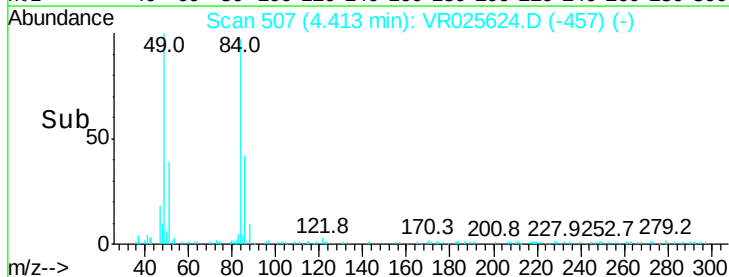
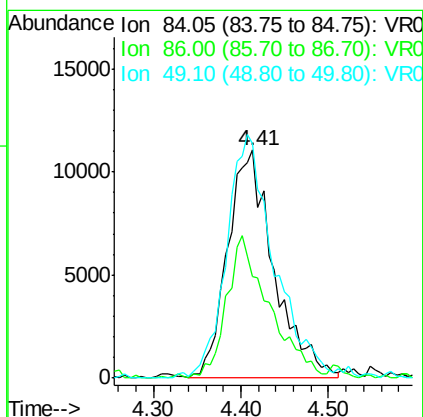
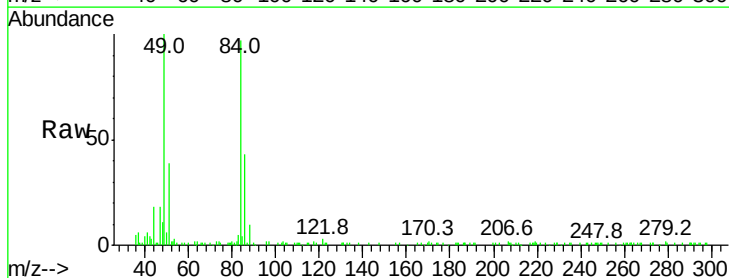
Instrument :
MSVOA_R
ClientSampled :
VSTD00182

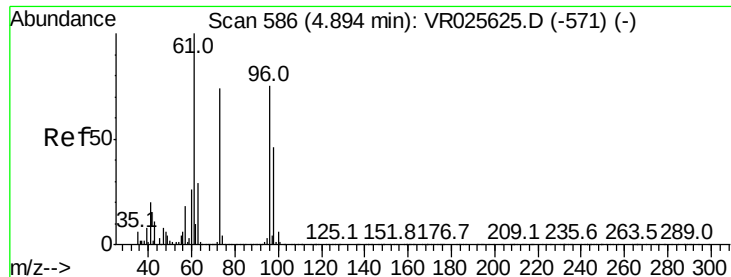
Tgt Ion: 43 Resp: 5913
Ion Ratio Lower Upper
43 100
74 13.9 19.8 29.6#



#16
Methylene chloride
Concen: 1.114 ug/L
RT: 4.41 min Scan# 507
Delta R.T. 0.01 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

Tgt Ion: 84 Resp: 40654
Ion Ratio Lower Upper
84 100
86 45.5 47.9 88.9#
49 103.0 80.3 149.1





#17

Methyl tert-butyl Ether

Concen: 0.937 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.01 min

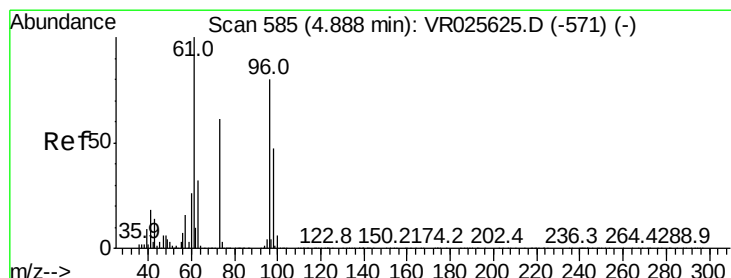
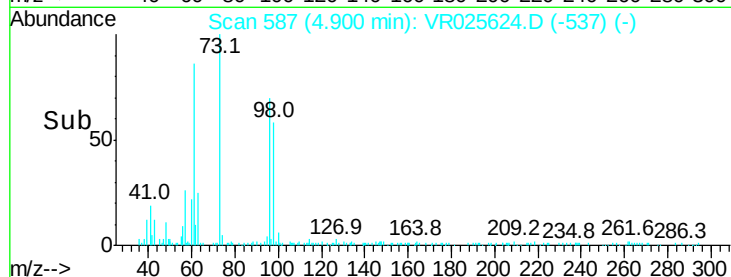
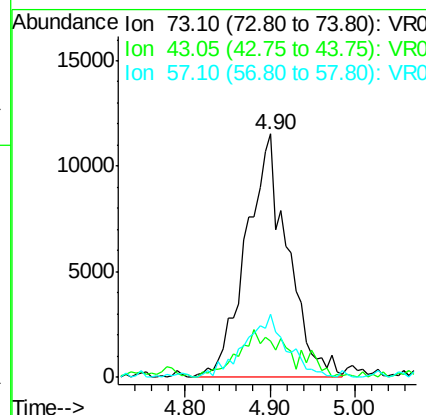
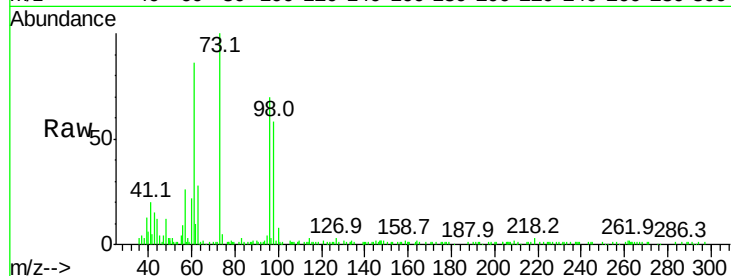
Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion: 73 Resp: 38809

Ion	Ratio	Lower	Upper
73	100		
43	15.3	14.8	22.2
57	26.2	19.9	29.9



#18

trans-1,2-Dichloroethene

Concen: 1.088 ug/L

RT: 4.88 min Scan# 584

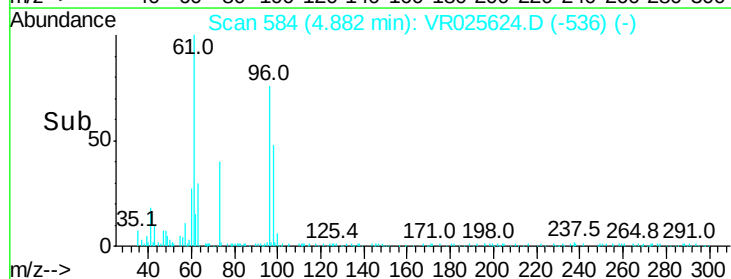
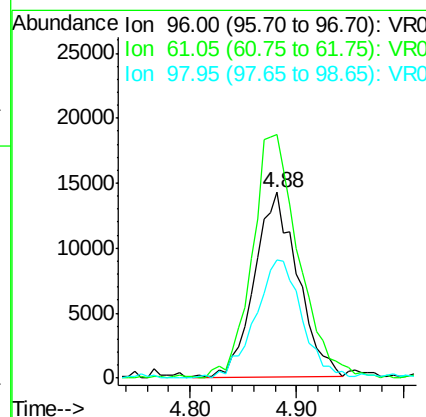
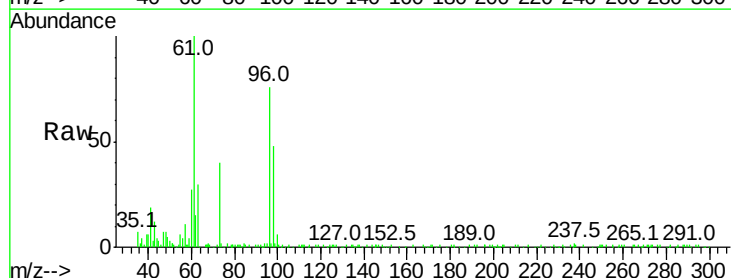
Delta R.T. -0.01 min

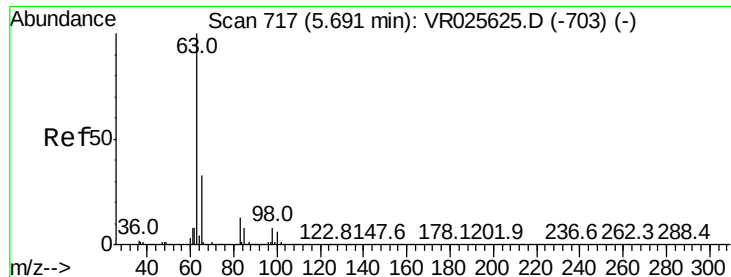
Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Tgt Ion: 96 Resp: 40446

Ion	Ratio	Lower	Upper
96	100		
61	131.0	87.5	162.5
98	63.3	41.1	76.3





#19

1,1-Dichloroethane

Concen: 1.220 ug/L

RT: 5.69 min Scan# 717

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

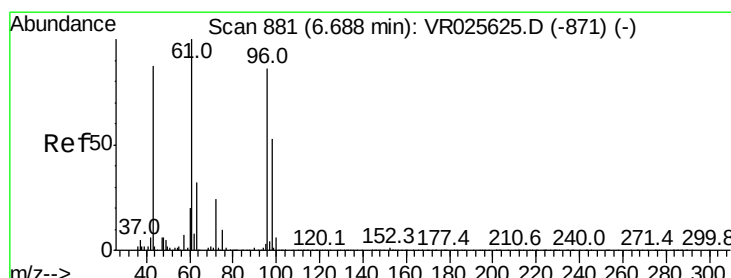
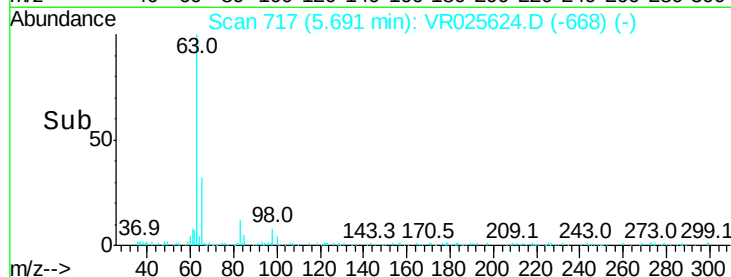
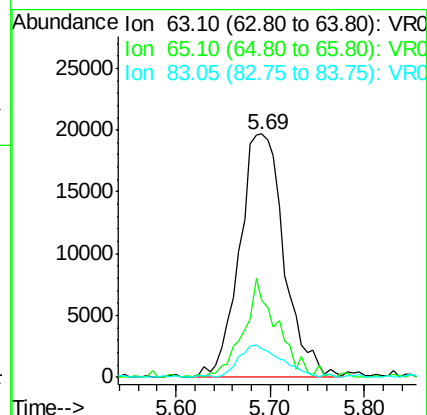
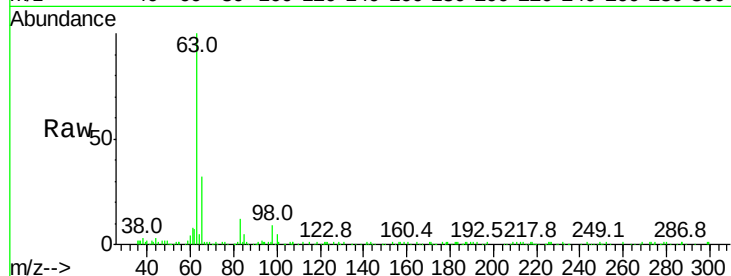
Tgt Ion: 63 Resp: 64563

Ion Ratio Lower Upper

63 100

65 31.9 22.9 42.5

83 11.8 9.1 16.9



#21

2-Butanone

Concen: 7.226 ug/L

RT: 6.69 min Scan# 882

Delta R.T. 0.01 min

Lab File: VR025624.D

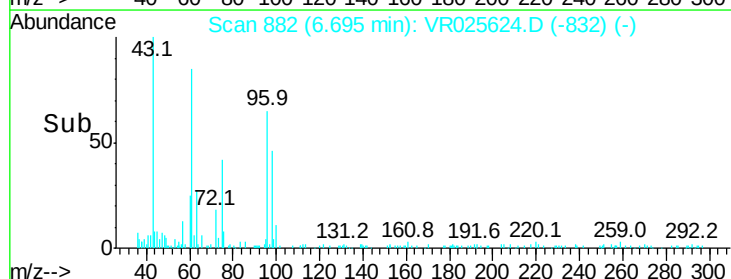
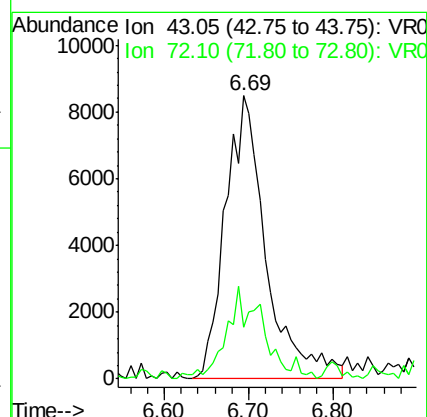
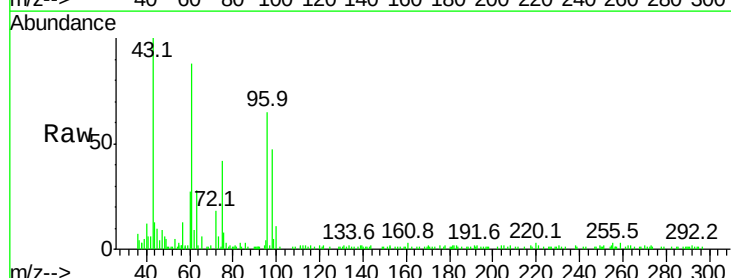
Acq: 21 Aug 2018 12:36

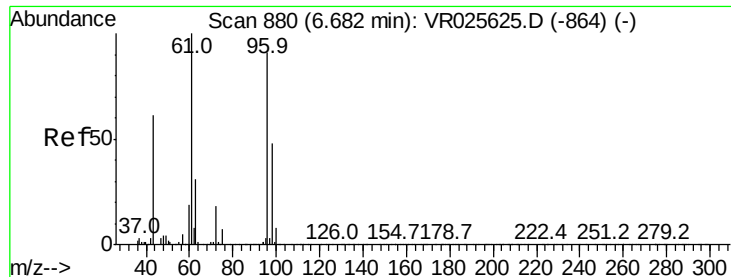
Tgt Ion: 43 Resp: 28050

Ion Ratio Lower Upper

43 100

72 17.1 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 0.984 ug/L

RT: 6.67 min Scan# 878

Delta R.T. -0.01 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

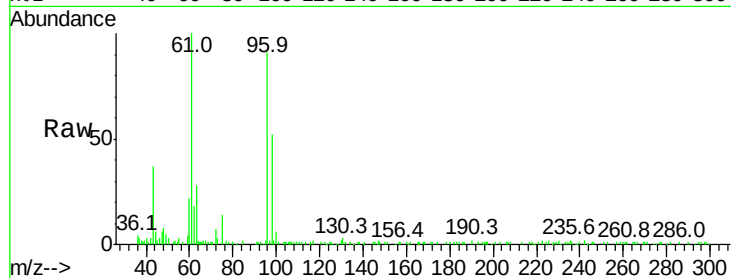
Tgt Ion: 96 Resp: 32911

Ion Ratio Lower Upper

96 100

61 110.2 76.7 142.5

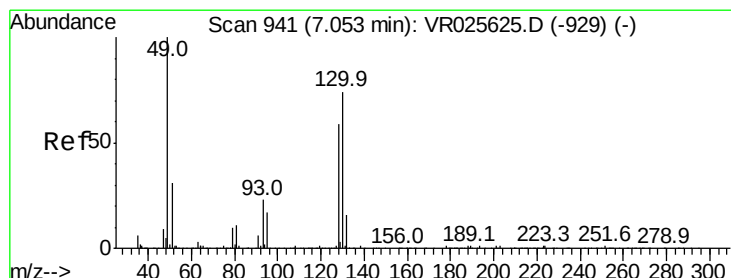
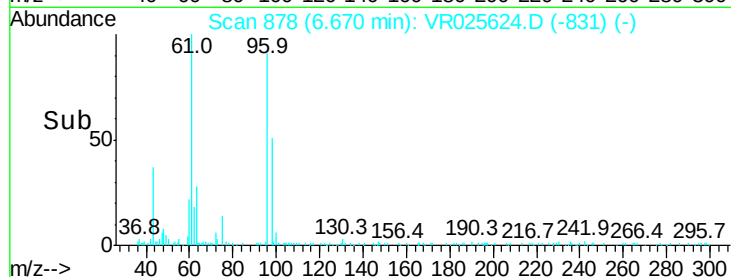
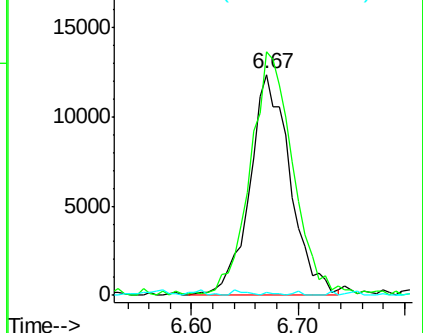
68 1.2 0.1 0.3#



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: 0.794 ug/L

RT: 7.05 min Scan# 940

Delta R.T. -0.01 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Tgt Ion: 128 Resp: 10088

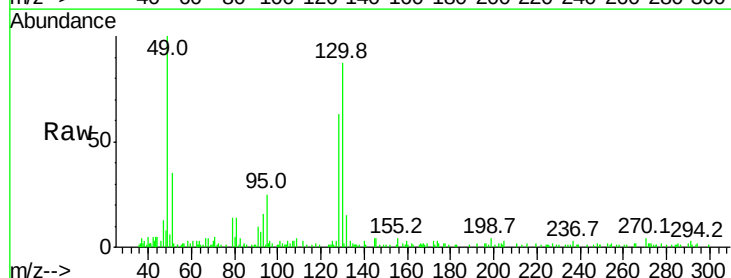
Ion Ratio Lower Upper

128 100

49 158.7 118.1 219.3

130 138.1 87.6 162.6

51 58.7 41.3 61.9

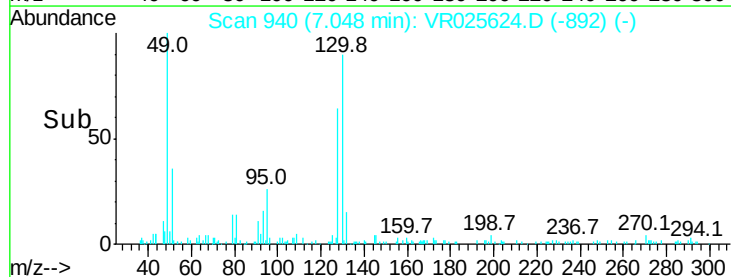
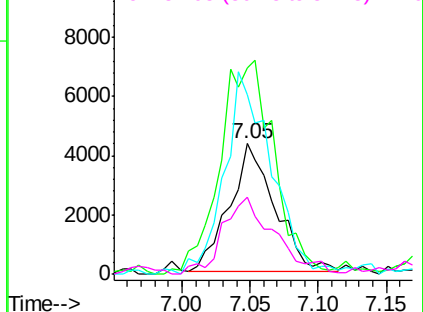


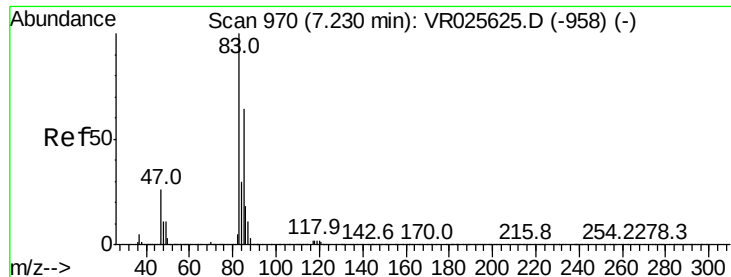
Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.990 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.01 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

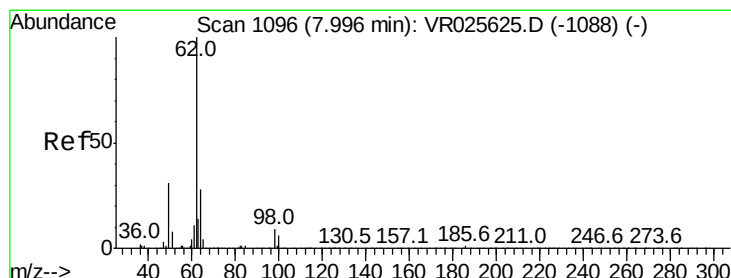
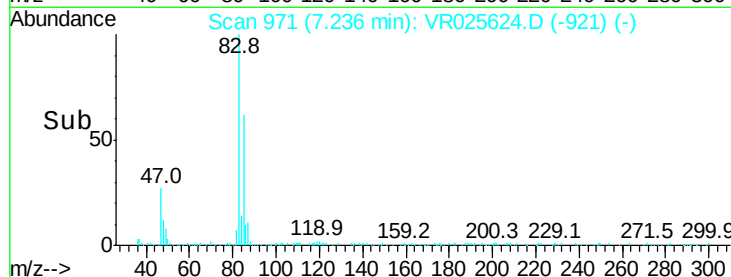
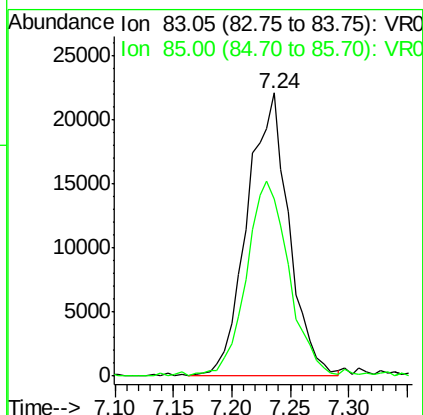
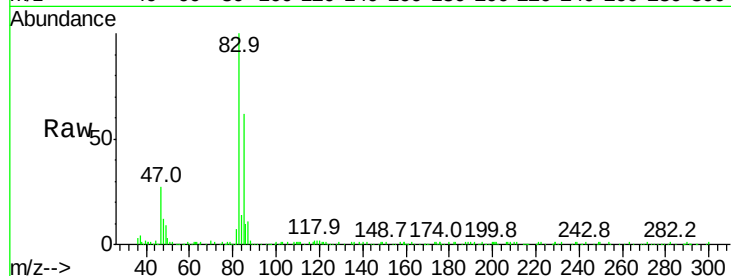
VSTD00182

Tgt Ion: 83 Resp: 54878

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 0.959 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VR025624.D

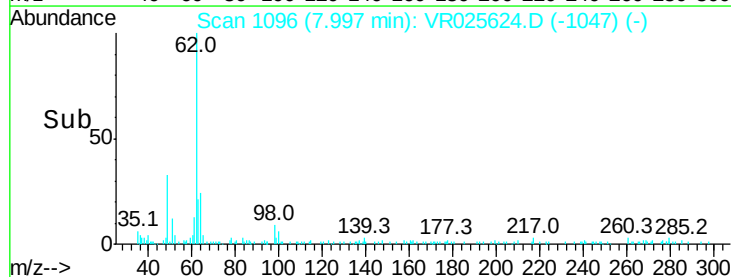
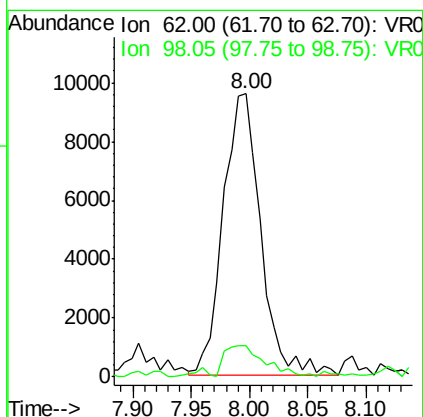
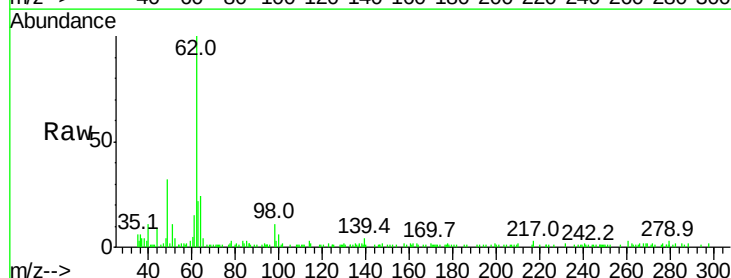
Acq: 21 Aug 2018 12:36

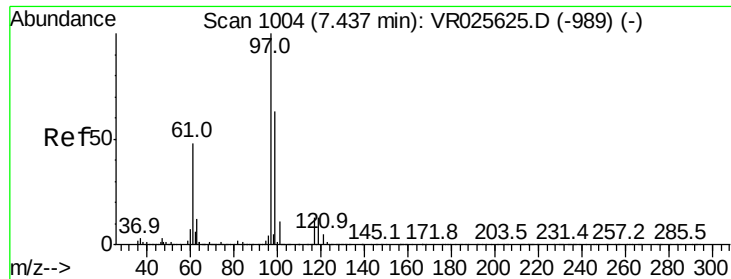
Tgt Ion: 62 Resp: 21465

Ion Ratio Lower Upper

62 100

98 10.9 7.1 10.7#

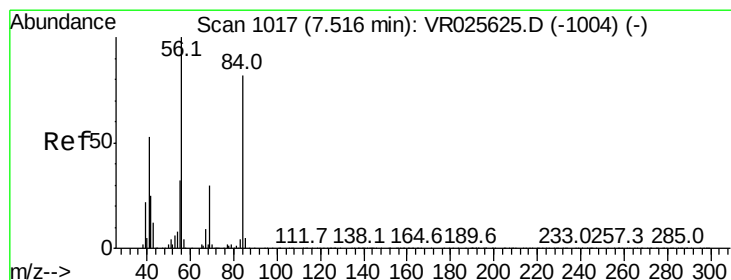
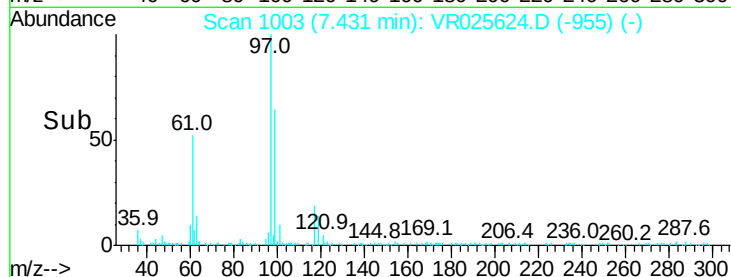
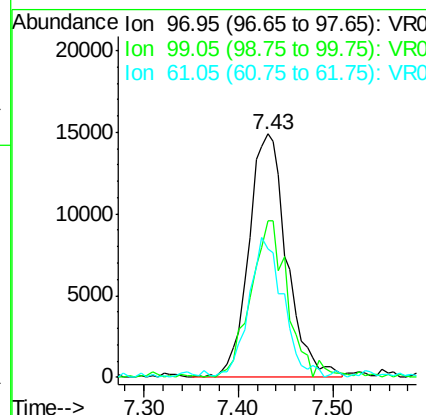
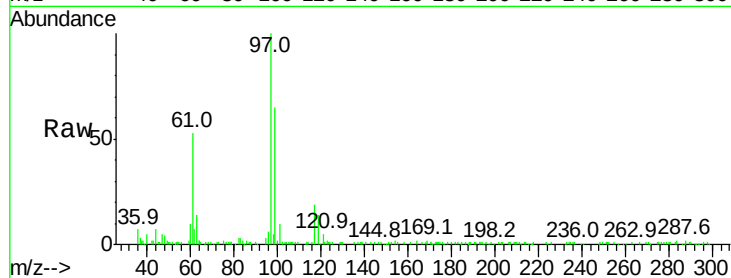




#29
 1,1,1-Trichloroethane
 Concen: 1.251 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

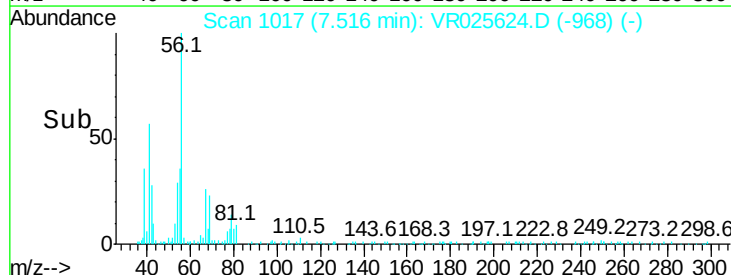
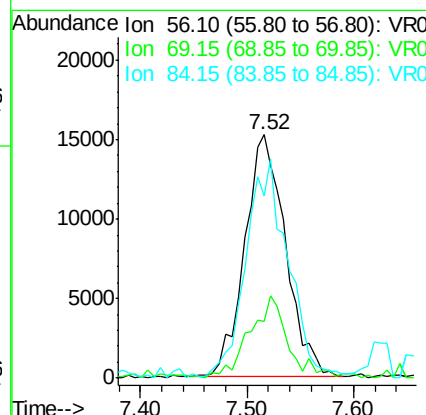
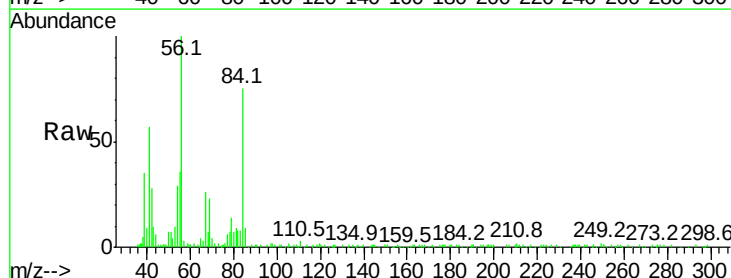
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

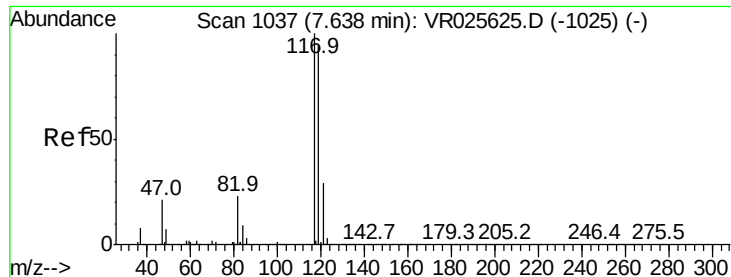
Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.7	52.6	79.0
61	52.0	39.6	59.4



#30
 Cyclohexane
 Concen: 1.239 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.8	35.8
84	91.9	68.2	102.4

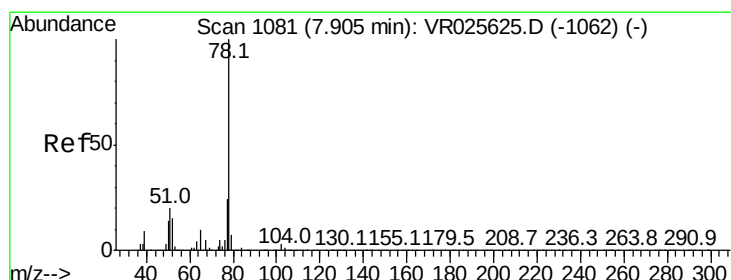
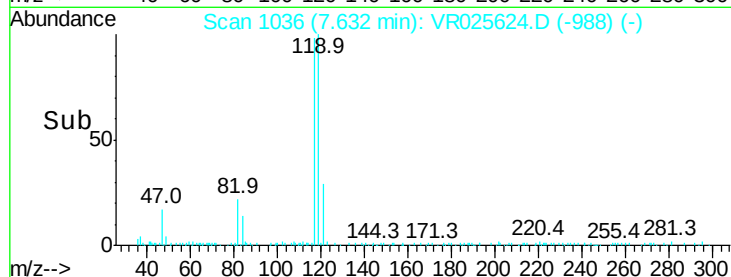
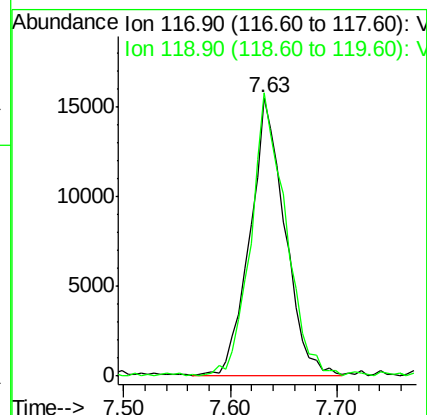
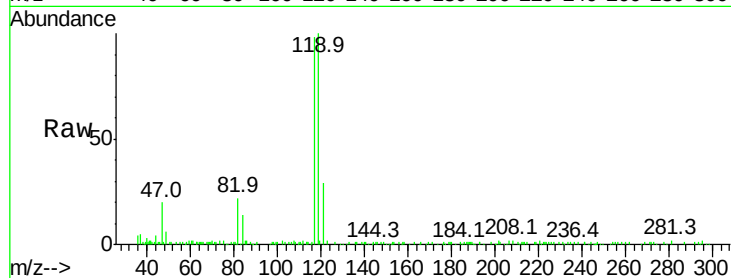




#31
Carbon tetrachloride
Concen: 1.007 ug/L
RT: 7.63 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

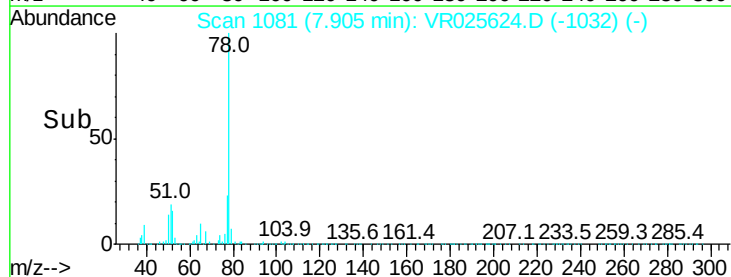
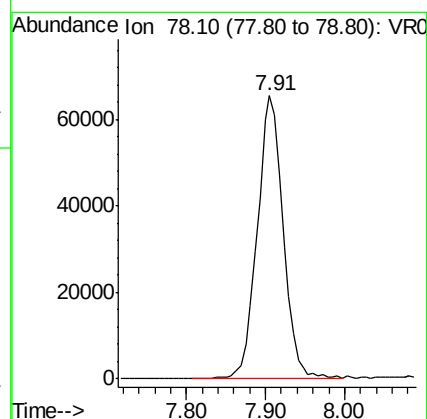
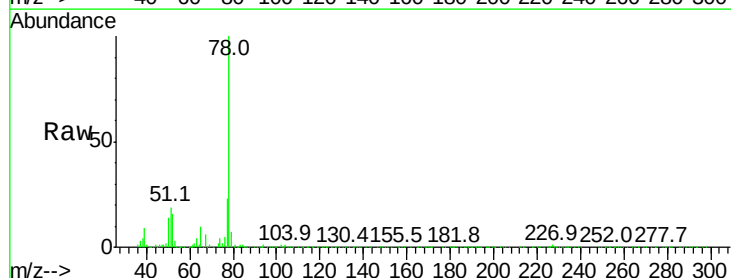
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

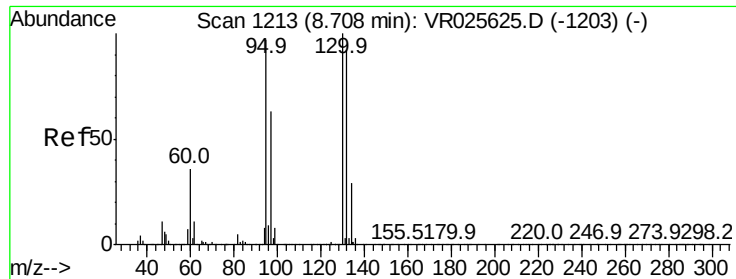
Tgt Ion:117 Resp: 35618
Ion Ratio Lower Upper
117 100
119 101.0 77.0 115.6



#33
Benzene
Concen: 1.211 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

Tgt Ion: 78 Resp: 149871





#34

Trichloroethene

Concen: 1.157 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 95 Resp: 33951

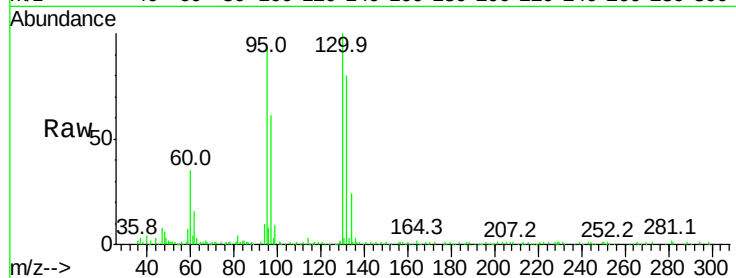
Ion Ratio Lower Upper

95 100

97 65.8 45.7 84.9

132 86.6 66.6 123.6

130 108.0 72.2 134.0

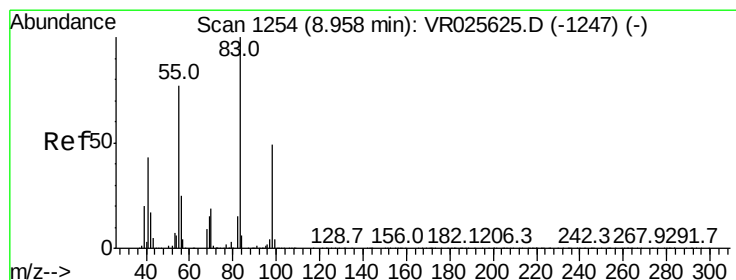
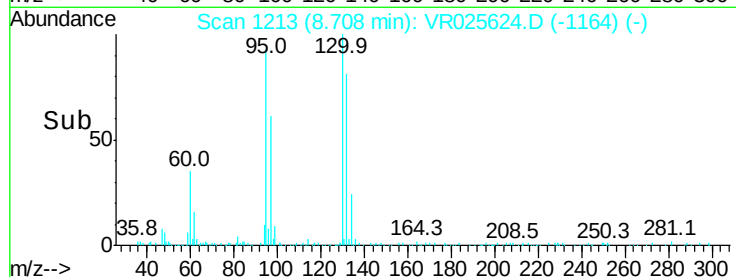
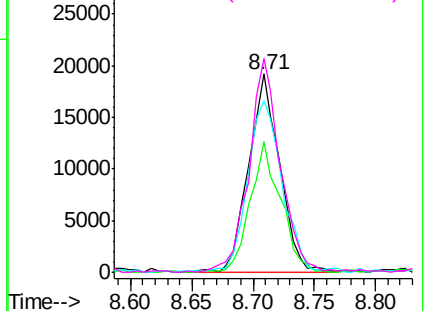


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 1.221 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

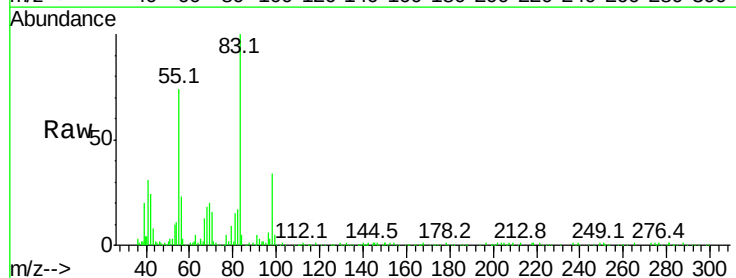
Tgt Ion: 83 Resp: 48629

Ion Ratio Lower Upper

83 100

55 75.5 56.7 85.1

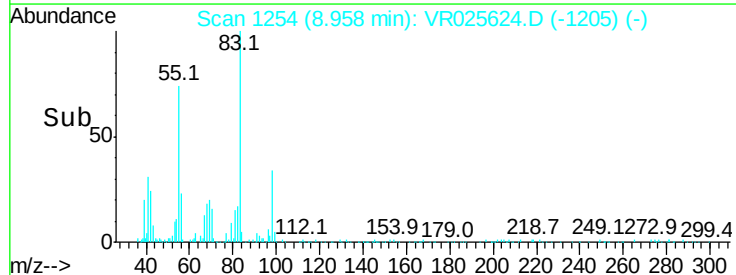
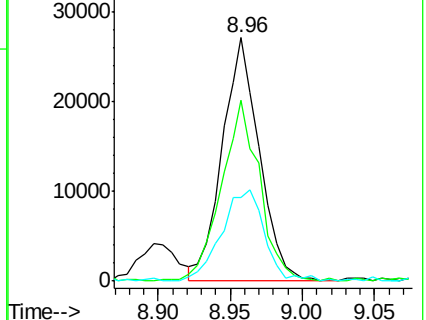
98 43.5 35.8 53.8

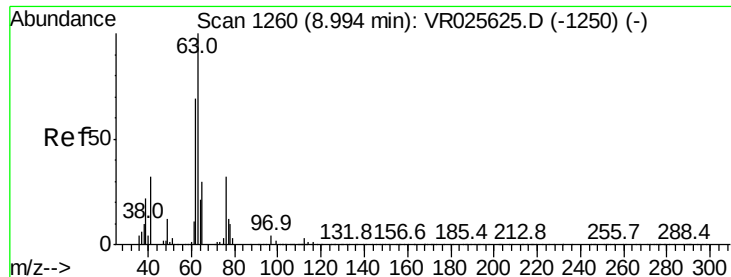


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

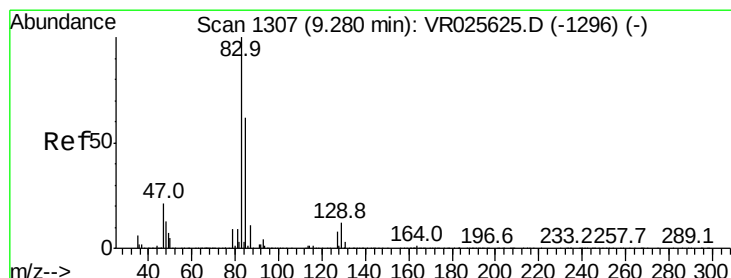
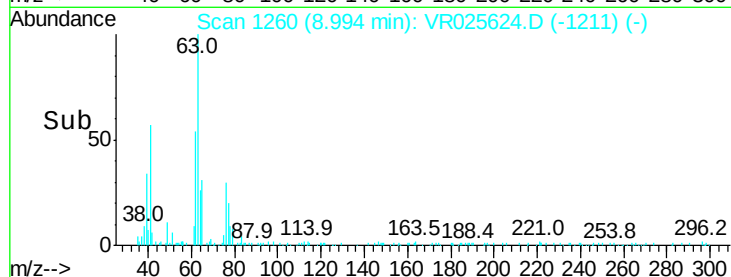
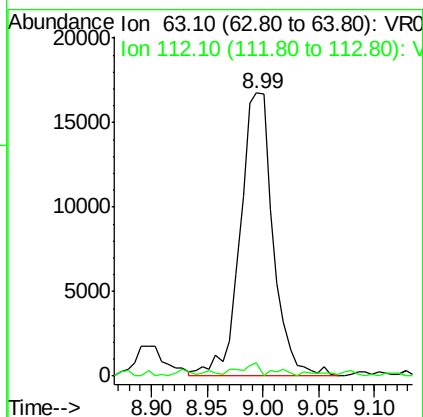
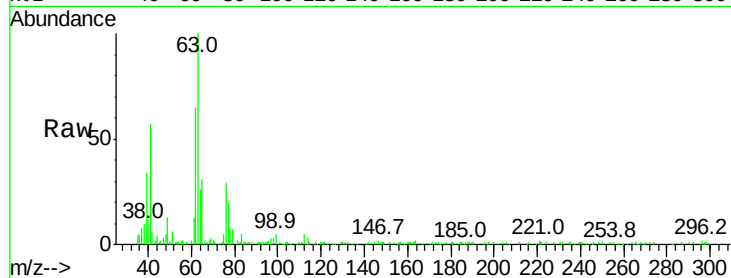




#37
 1,2-Dichloropropane
 Concen: 1.216 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

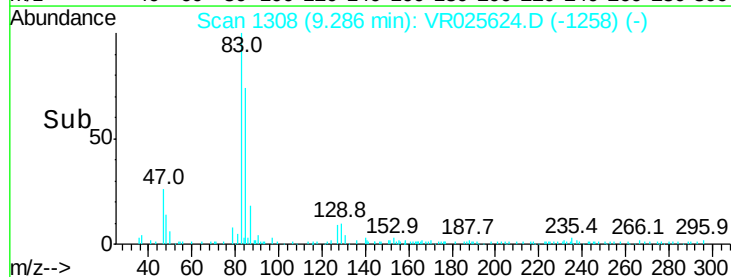
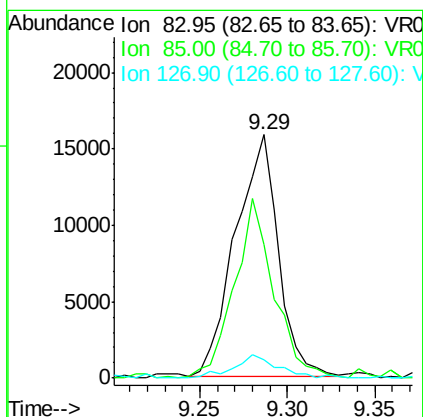
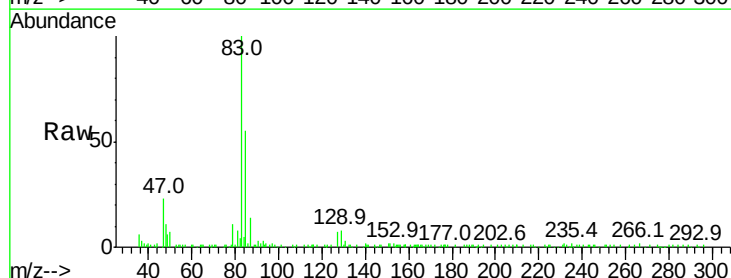
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

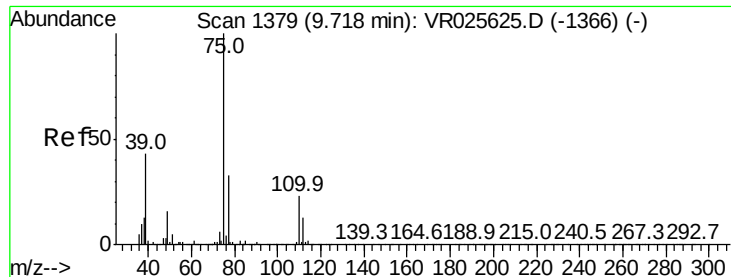
Tgt Ion: 63 Resp: 34403
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.5 3.7



#38
 Bromodichloromethane
 Concen: 0.960 ug/L
 RT: 9.29 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

Tgt Ion: 83 Resp: 27011
 Ion Ratio Lower Upper
 83 100
 85 54.6 43.2 80.2
 127 7.3 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 0.975 ug/L

RT: 9.72 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

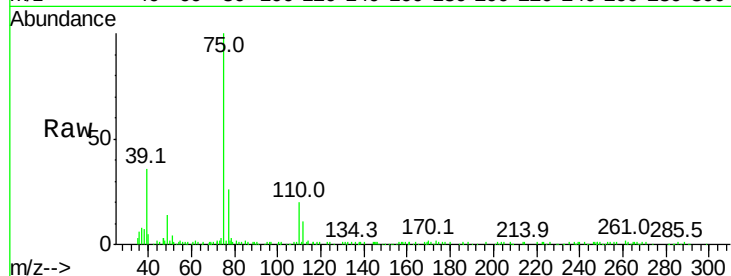
VSTD00182

Tgt Ion: 75 Resp: 27180

Ion Ratio Lower Upper

75 100

77 26.3 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

20000

15000

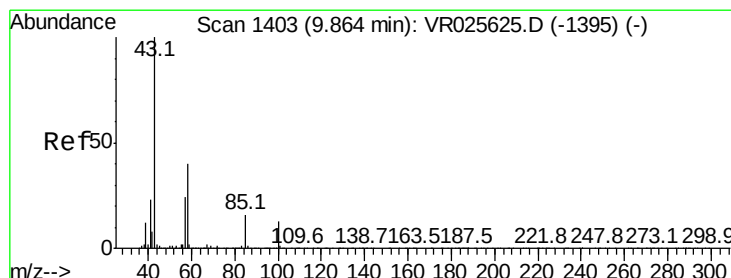
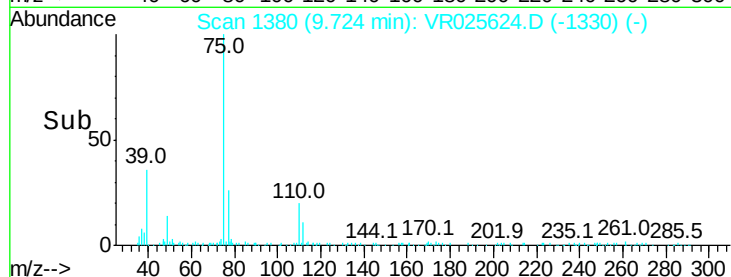
10000

5000

0

9.65 9.70 9.75

Time-->



#40

4-Methyl-2-pentanone

Concen: 8.118 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

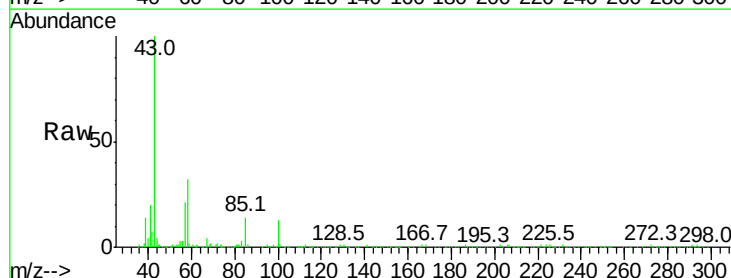
Tgt Ion: 43 Resp: 69007

Ion Ratio Lower Upper

43 100

58 35.5 31.4 47.2

100 14.2 11.5 17.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

9.86

50000

40000

30000

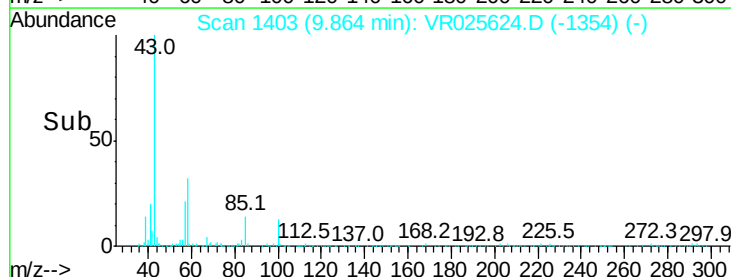
20000

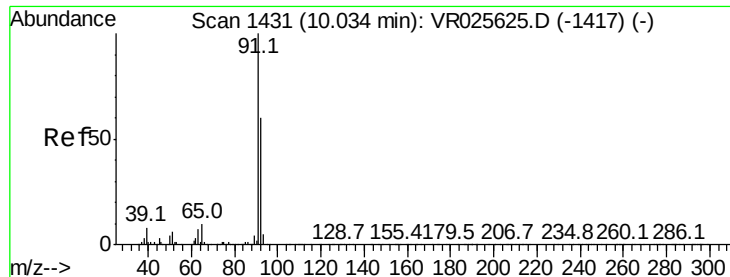
10000

0

9.80 9.85 9.90

Time-->





#42

Toluene

Concen: 1.058 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampled :

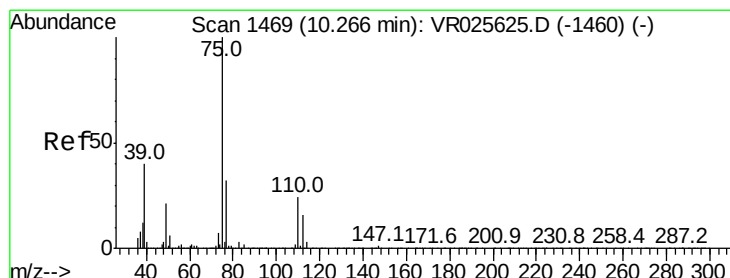
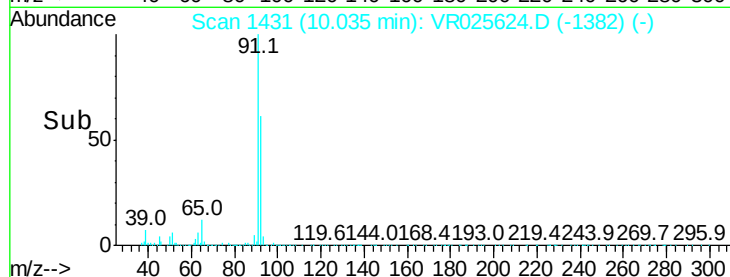
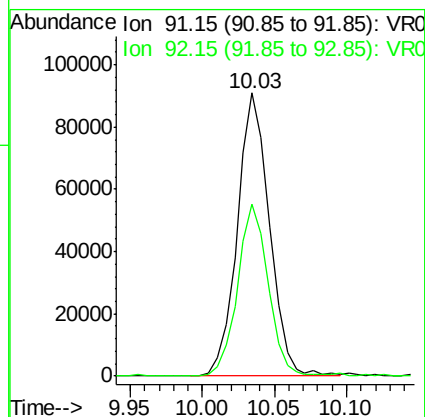
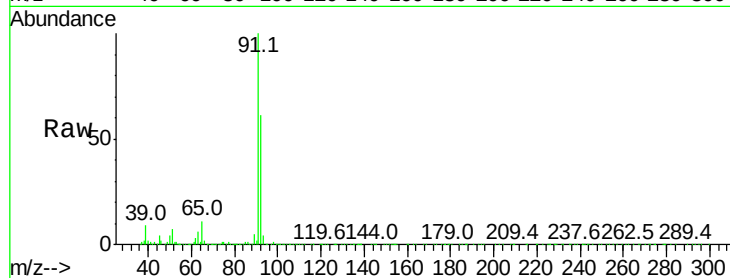
VSTD00182

Tgt Ion: 91 Resp: 141062

Ion Ratio Lower Upper

91 100

92 60.9 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 1.045 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025624.D

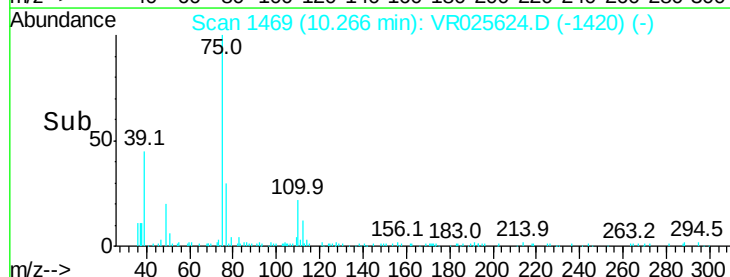
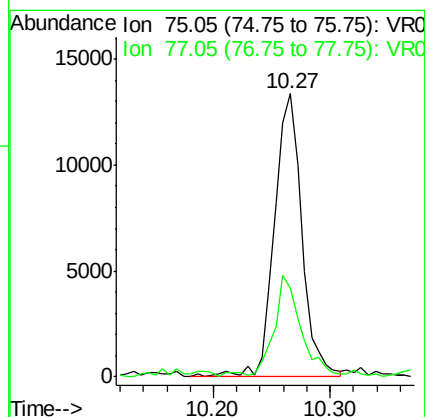
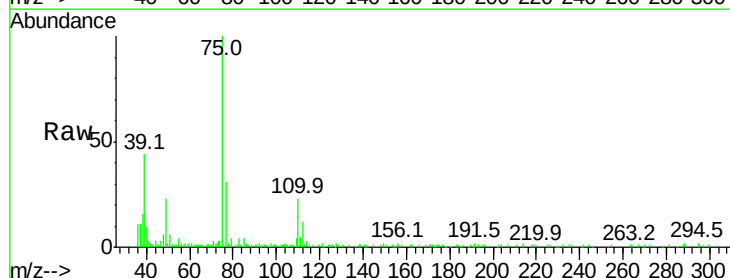
Acq: 21 Aug 2018 12:36

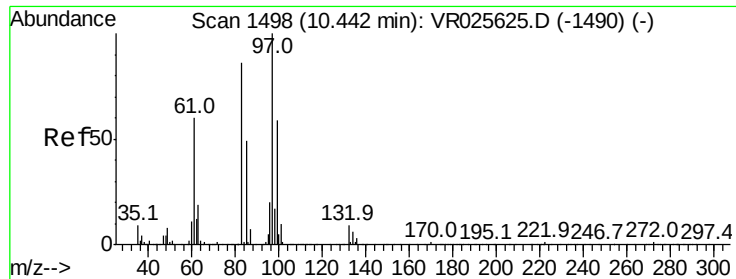
Tgt Ion: 75 Resp: 21620

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 0.915 ug/L

RT: 10.45 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 97 Resp: 13694

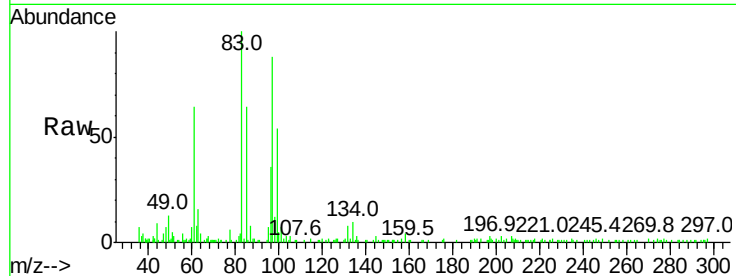
Ion Ratio Lower Upper

97 100

99 61.4 41.2 76.6

83 113.9 60.1 111.7#

85 72.6 34.3 63.7#

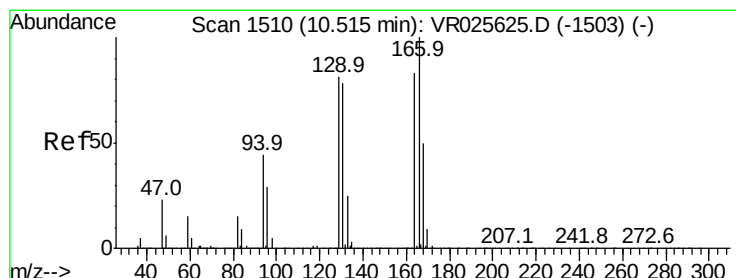
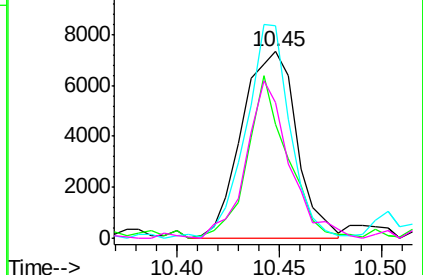
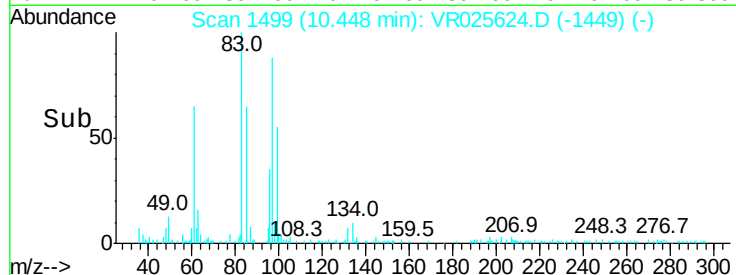


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 0.989 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Tgt Ion: 164 Resp: 25646

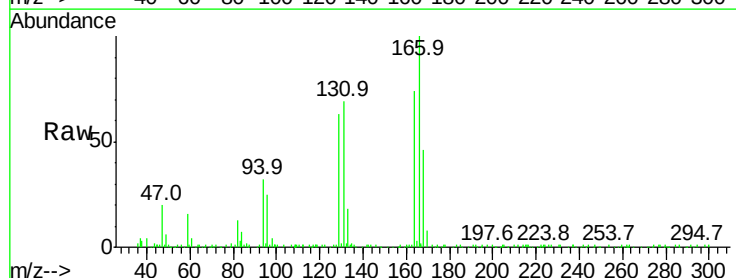
Ion Ratio Lower Upper

164 100

129 85.4 68.7 127.5

131 93.1 66.4 123.4

166 134.6 84.6 157.0

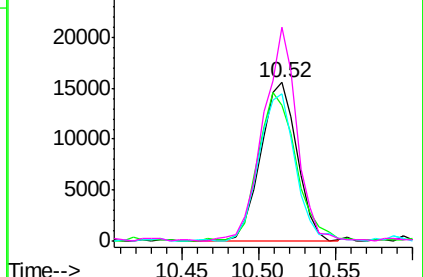
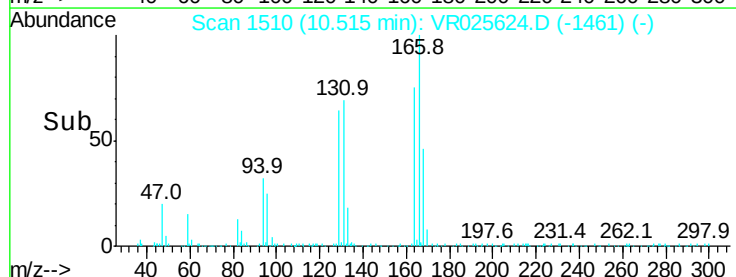


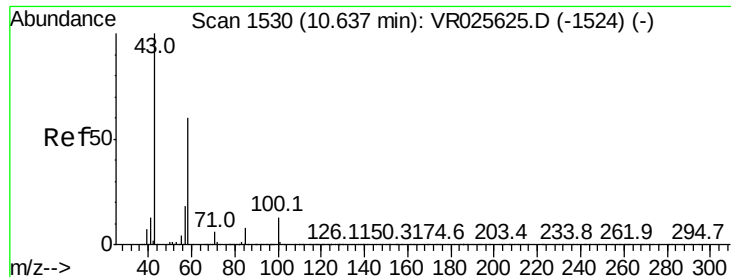
Abundance Ion 163.90 (163.60 to 164.60): V

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

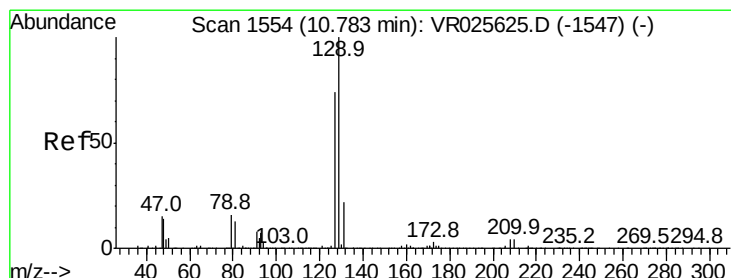
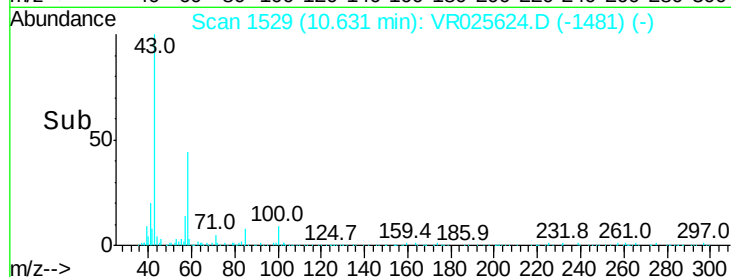
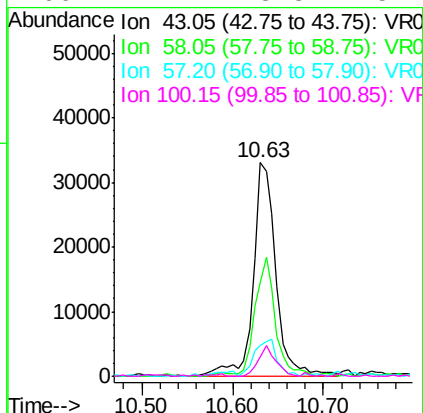
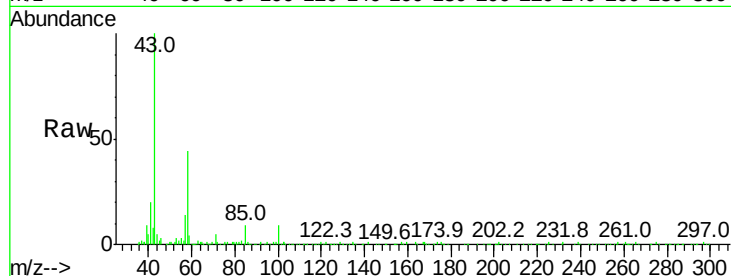




#48
2-Hexanone
Concen: 9.486 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.01 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

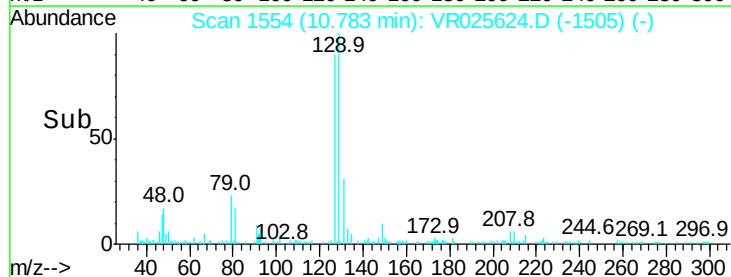
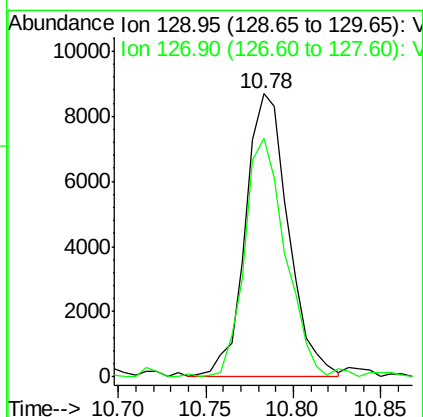
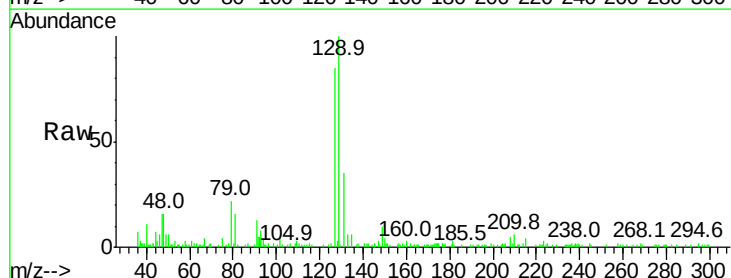
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

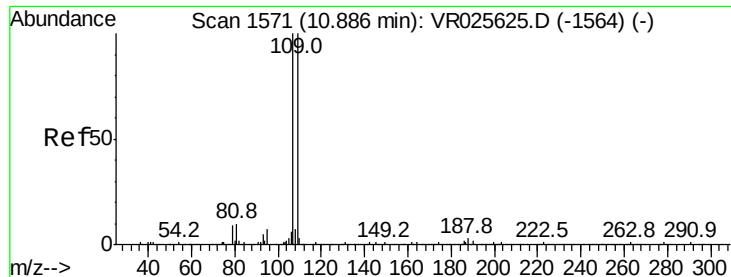
Tgt Ion:	43	Resp:	56537
Ion	Ratio	Lower	Upper
43	100		
58	49.2	46.4	69.6
57	17.5	14.3	21.5
100	11.2	8.8	13.2



#49
Dibromochloromethane
Concen: 0.835 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

Tgt Ion:	129	Resp:	14799
Ion	Ratio	Lower	Upper
129	100		
127	84.2	51.6	95.8

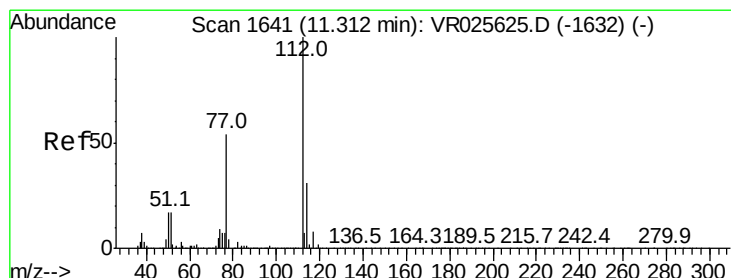
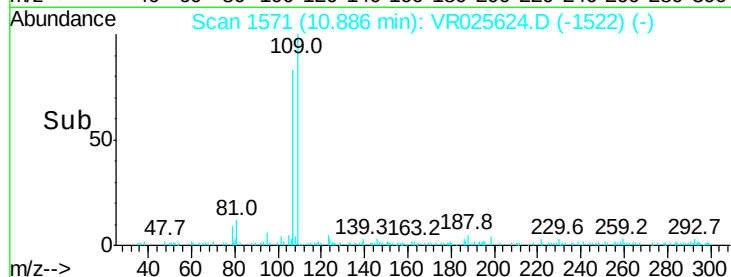
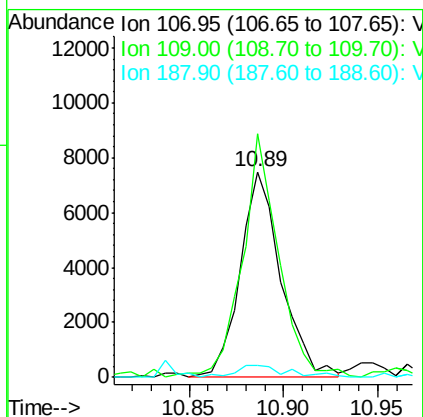
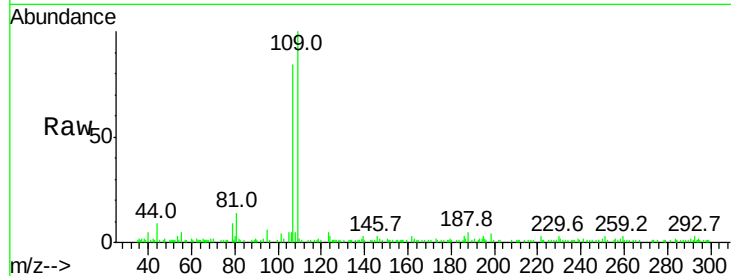




#50
1,2-Dibromoethane
Concen: 0.880 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

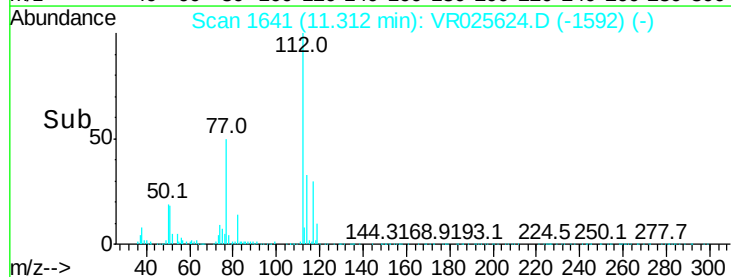
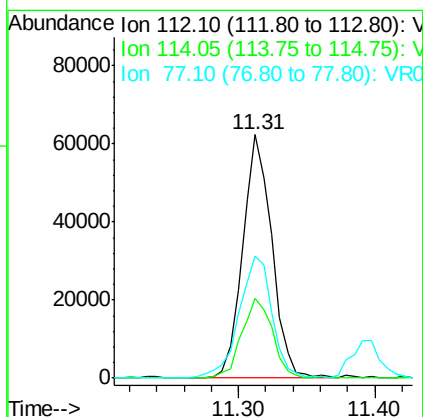
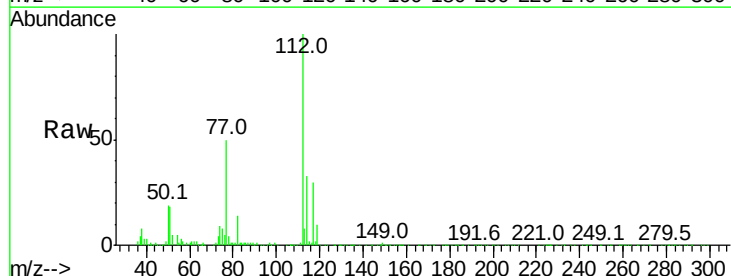
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

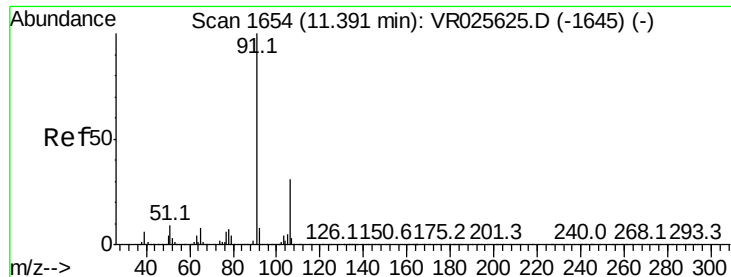
Tgt Ion:107 Resp: 11243
Ion Ratio Lower Upper
107 100
109 118.6 70.1 130.1
188 6.1 2.6 3.8#



#51
Chlorobenzene
Concen: 1.095 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025624.D
Acq: 21 Aug 2018 12:36

Tgt Ion:112 Resp: 93188
Ion Ratio Lower Upper
112 100
114 32.9 21.8 40.4
77 50.3 43.0 64.4





#52

Ethylbenzene

Concen: 1.062 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampled :

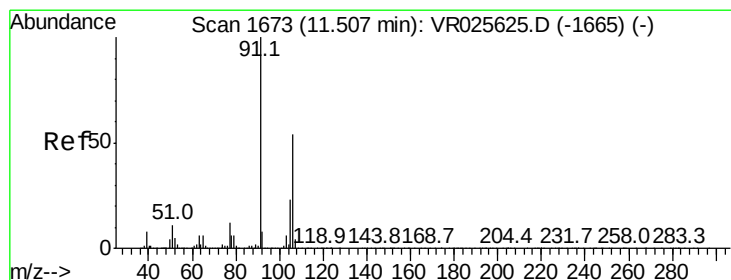
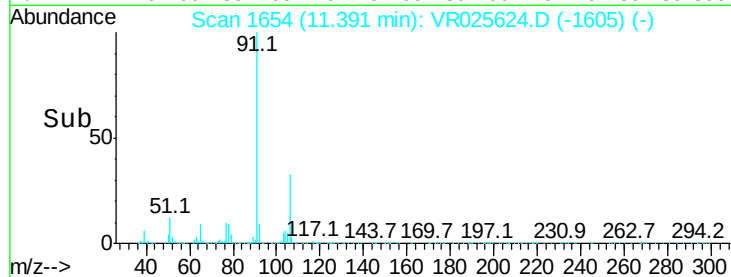
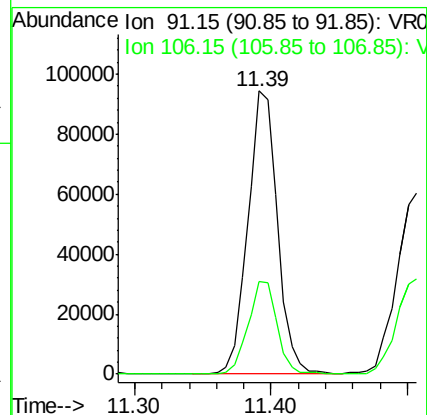
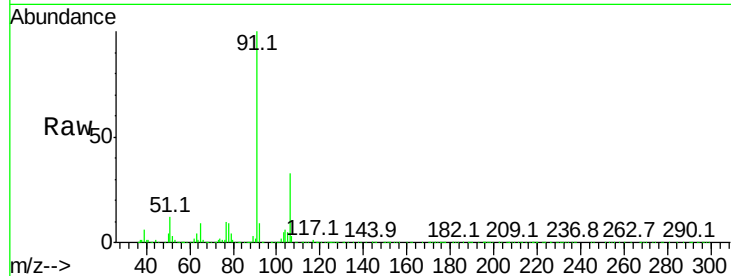
VSTD00182

Tgt Ion: 91 Resp: 142903

Ion Ratio Lower Upper

91 100

106 32.8 21.9 40.7



#53

m,p-Xylene

Concen: 1.046 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025624.D

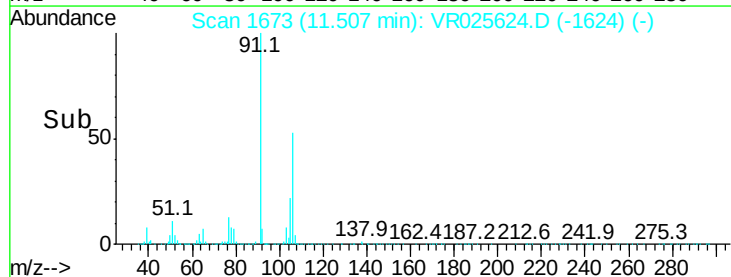
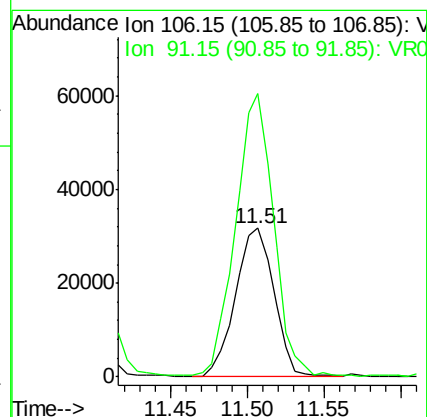
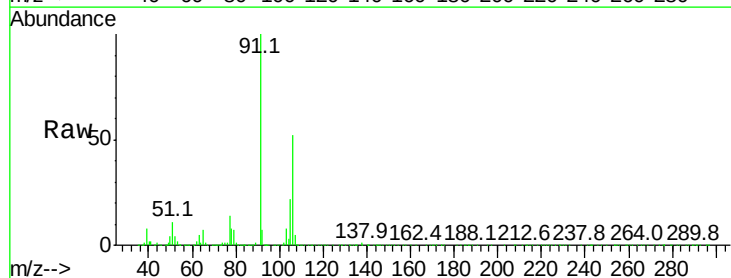
Acq: 21 Aug 2018 12:36

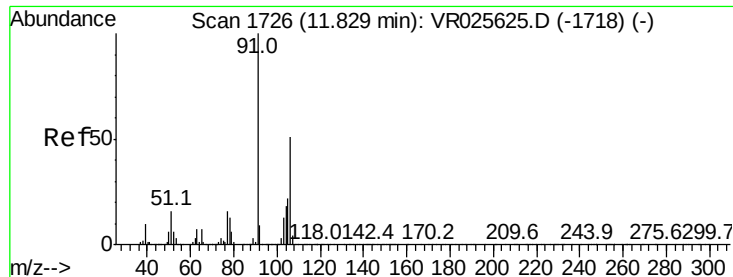
Tgt Ion: 106 Resp: 55667

Ion Ratio Lower Upper

106 100

91 190.7 130.9 243.1





#54

o-Xylene

Concen: 0.943 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

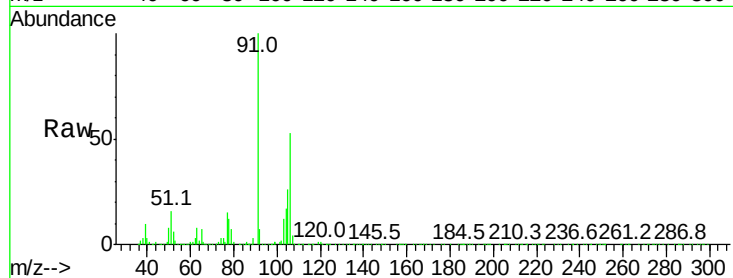
VSTD00182

Tgt Ion:106 Resp: 46805

Ion Ratio Lower Upper

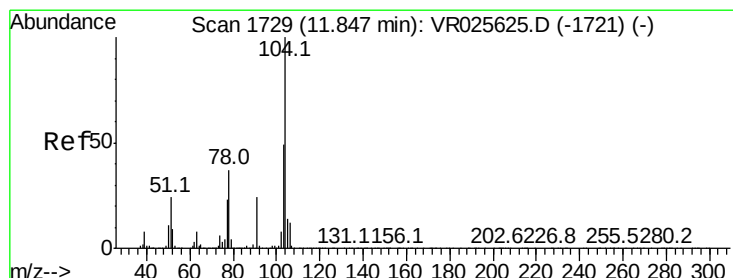
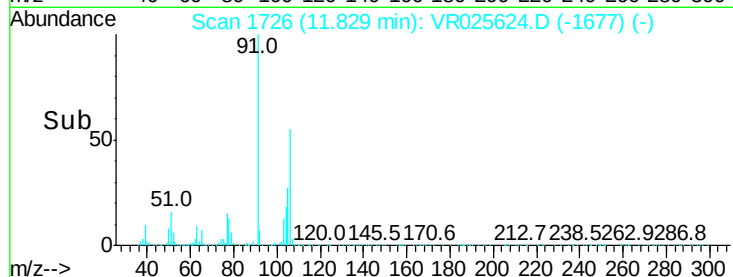
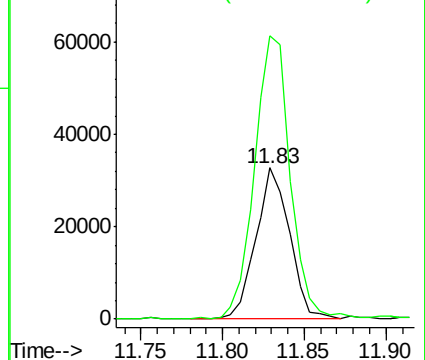
106 100

91 186.9 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.992 ug/L

RT: 11.85 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VR025624.D

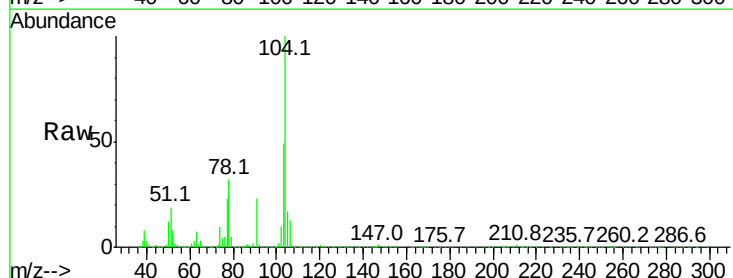
Acq: 21 Aug 2018 12:36

Tgt Ion:104 Resp: 81142

Ion Ratio Lower Upper

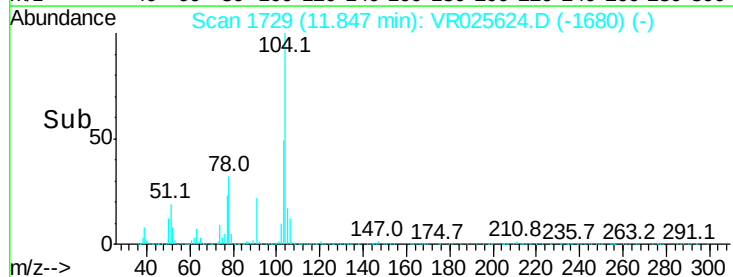
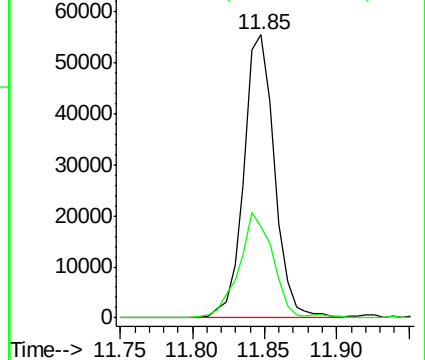
104 100

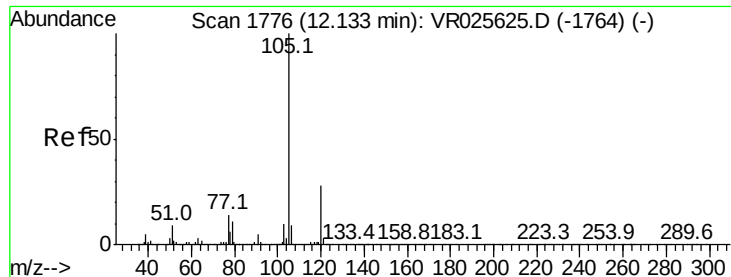
78 32.1 26.2 48.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.993 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

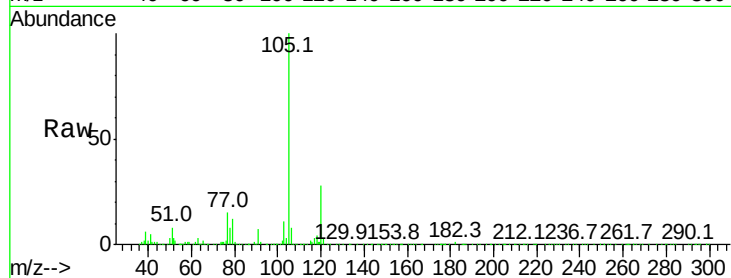
Tgt Ion: 105 Resp: 118593

Ion Ratio Lower Upper

105 100

120 28.1 22.2 33.4

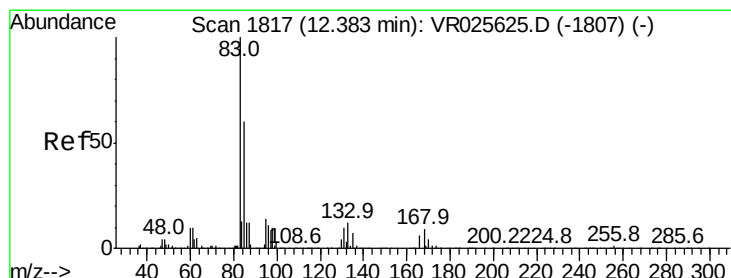
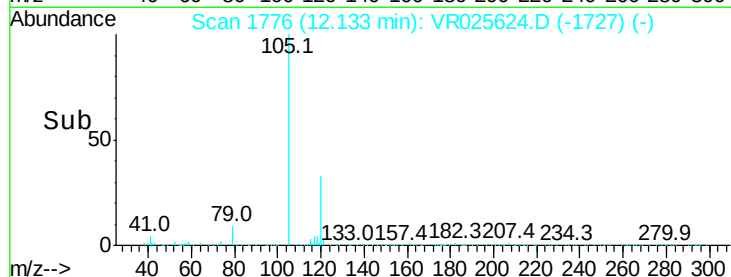
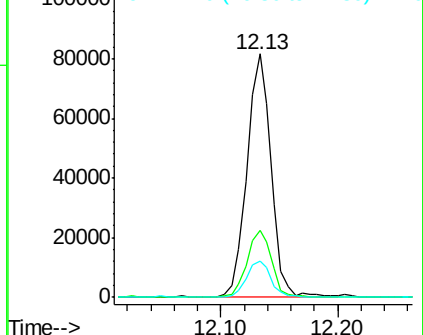
77 15.1 11.6 17.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.109 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

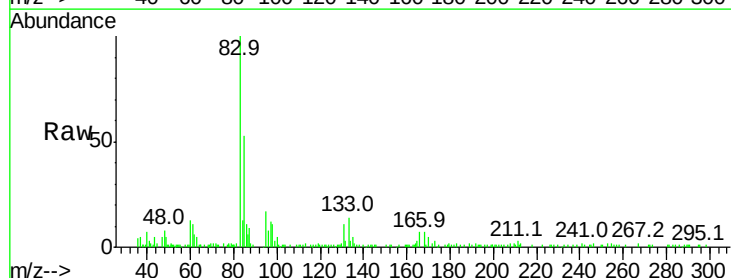
Tgt Ion: 83 Resp: 16699

Ion Ratio Lower Upper

83 100

85 53.1 42.3 78.5

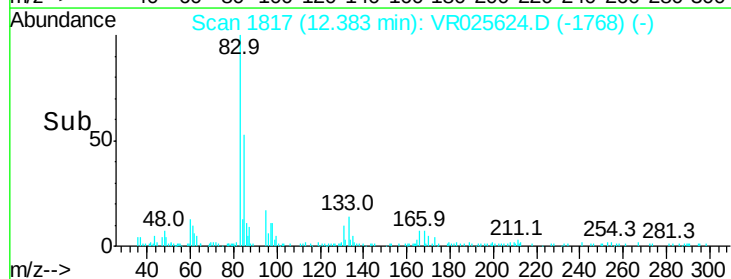
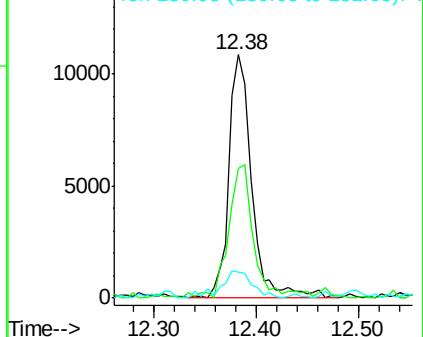
131 10.9 7.8 11.6

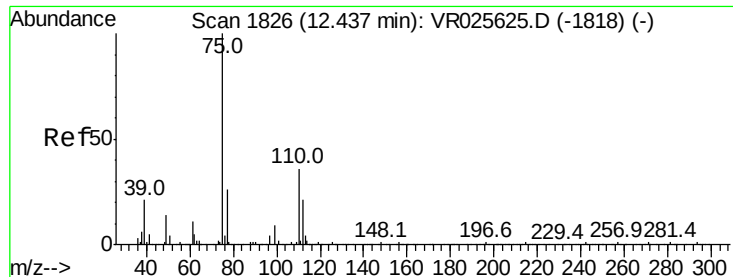


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.151 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

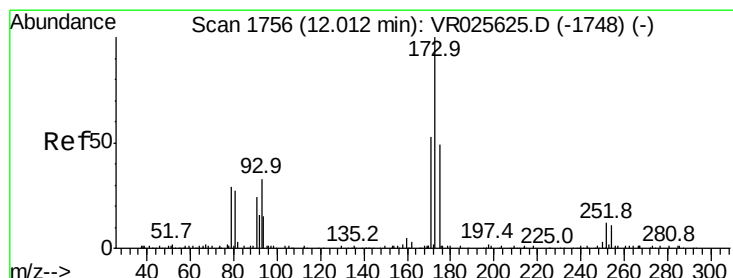
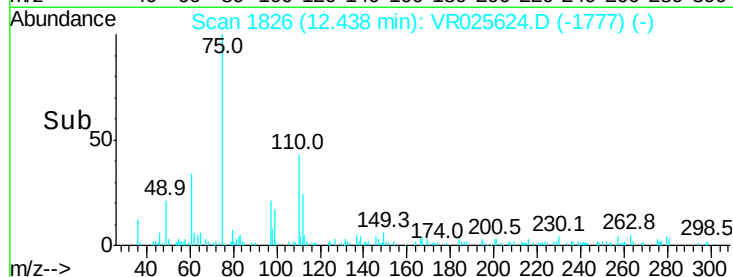
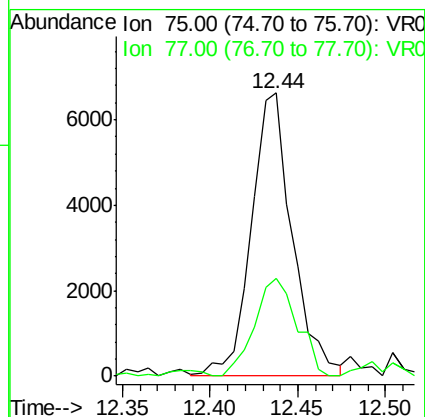
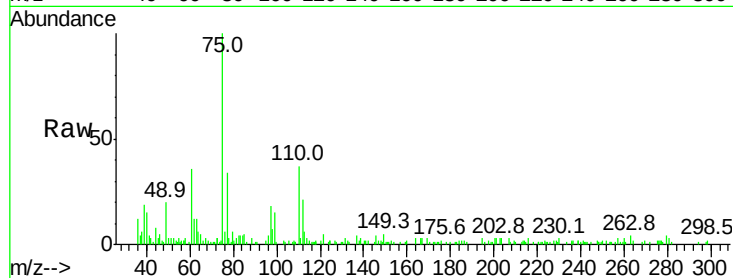
VSTD00182

Tgt Ion: 75 Resp: 10798

Ion Ratio Lower Upper

75 100

77 35.7 23.5 35.3#



#61

Bromoform

Concen: 0.924 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

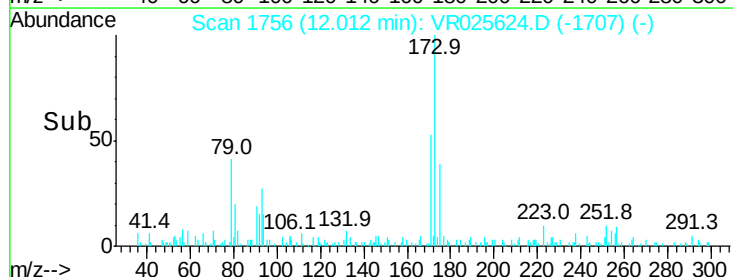
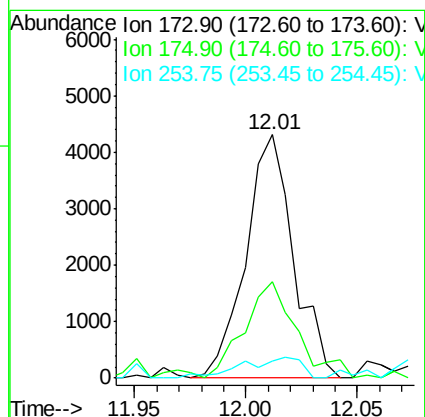
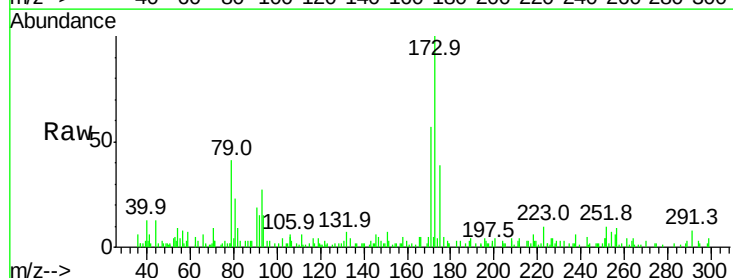
Tgt Ion: 173 Resp: 6444

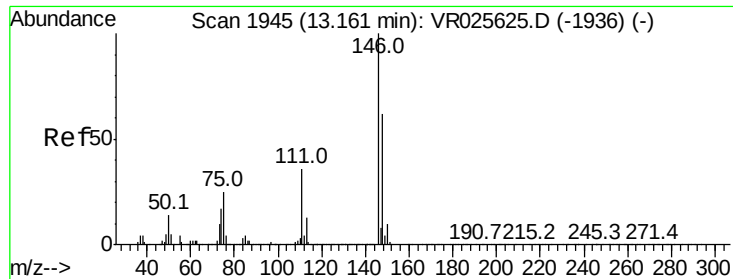
Ion Ratio Lower Upper

173 100

175 43.4 40.4 60.6

254 10.7 9.5 14.3





#62

1,3-Dichlorobenzene

Concen: 1.064 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampled :

VSTD00182

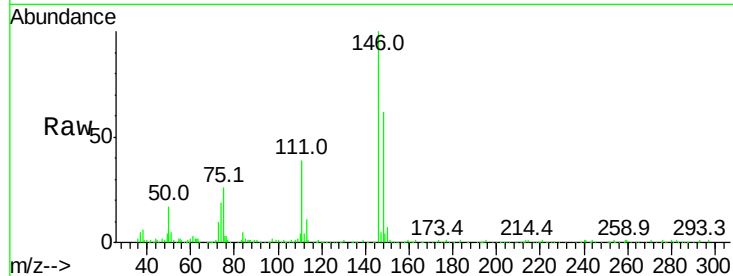
Tgt Ion:146 Resp: 45953

Ion Ratio Lower Upper

146 100

111 39.0 24.8 46.1

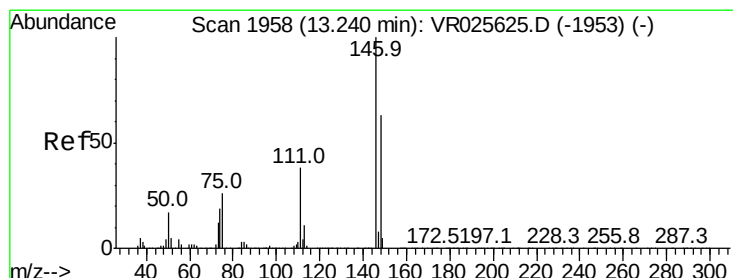
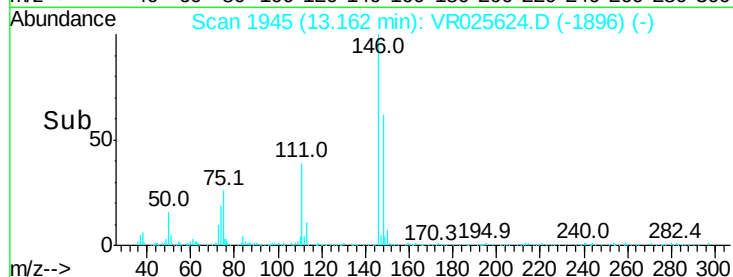
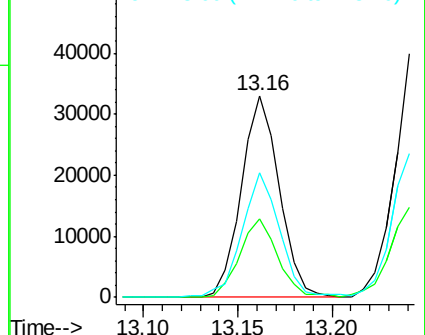
148 61.8 43.5 80.7



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: 1.070 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

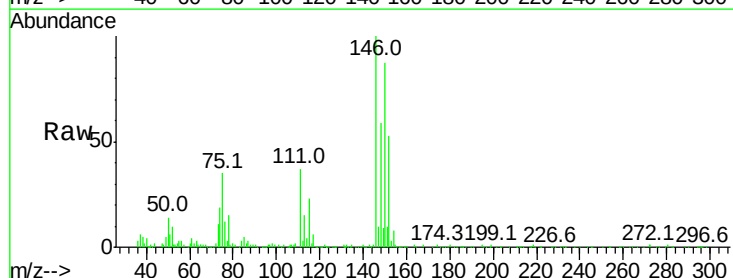
Tgt Ion:146 Resp: 55832

Ion Ratio Lower Upper

146 100

111 37.0 26.7 49.5

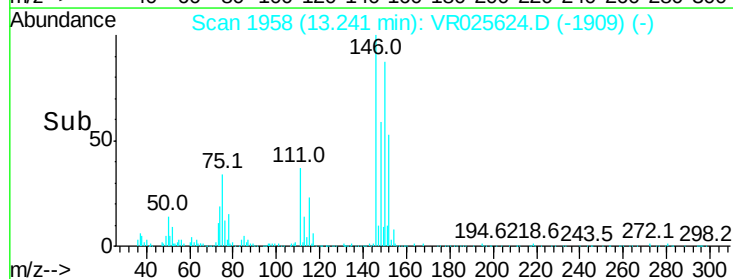
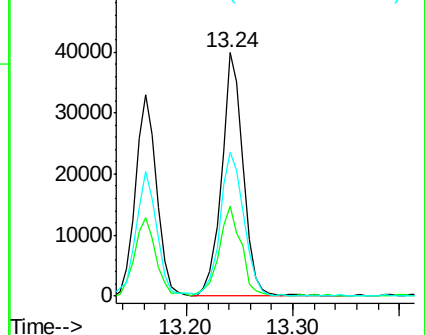
148 59.3 44.4 82.5

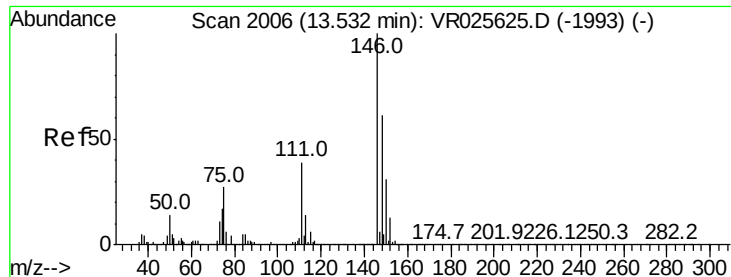


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

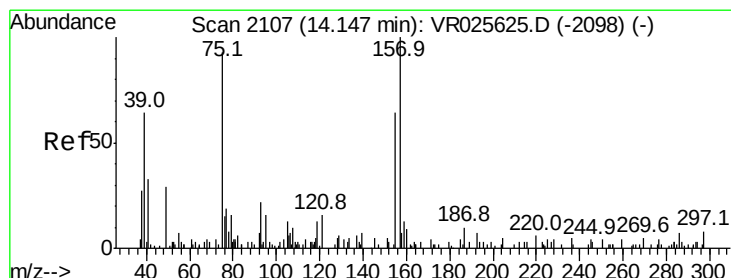
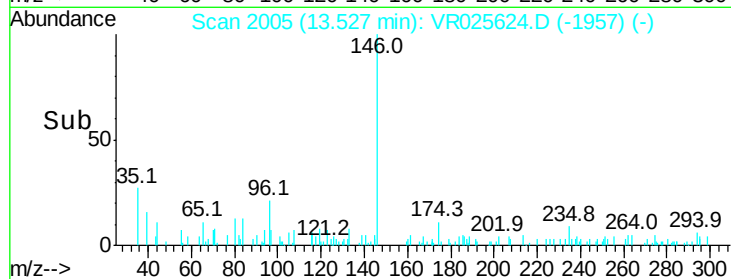
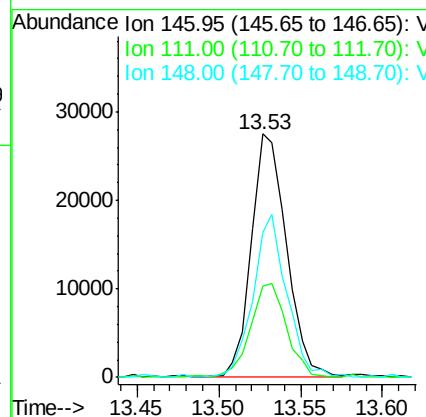
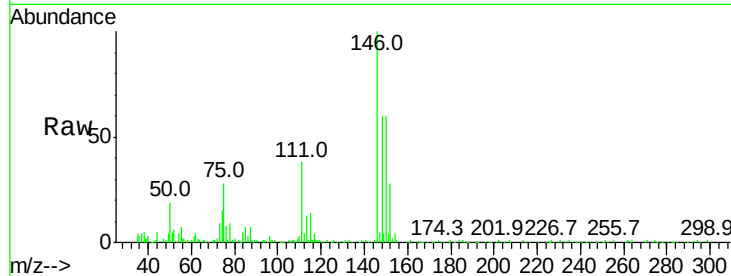




#65
 1,2-Dichlorobenzene
 Concen: 1.011 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

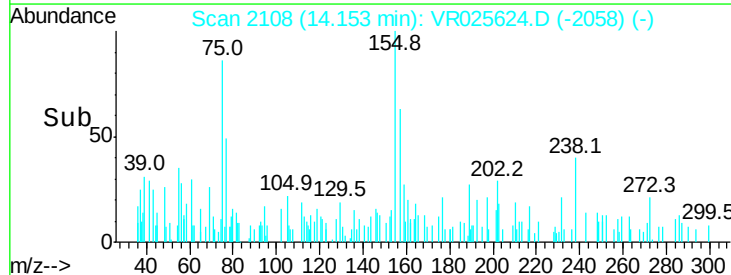
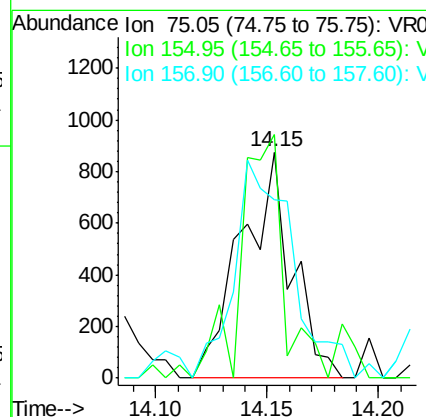
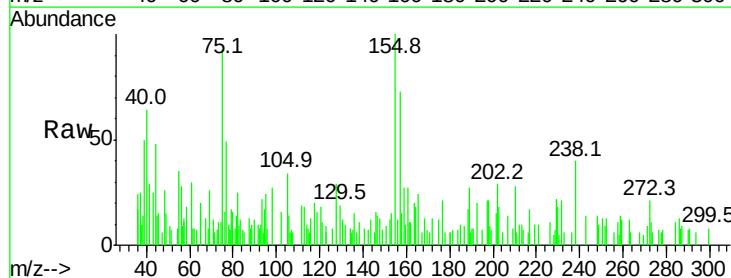
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

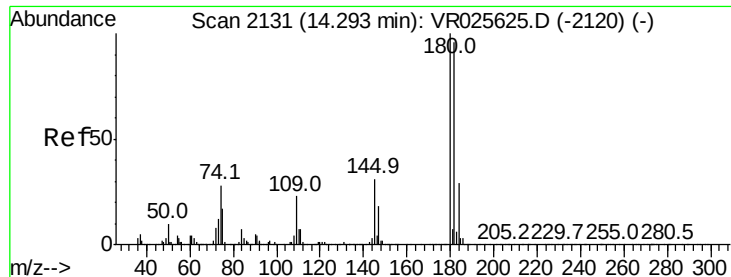
Tgt Ion:146 Resp: 41610
 Ion Ratio Lower Upper
 146 100
 111 37.7 31.6 47.4
 148 59.7 48.7 73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.118 ug/L
 RT: 14.15 min Scan# 2108
 Delta R.T. 0.01 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

Tgt Ion: 75 Resp: 1378
 Ion Ratio Lower Upper
 75 100
 155 107.9 55.2 82.8#
 157 79.3 89.4 134.2#

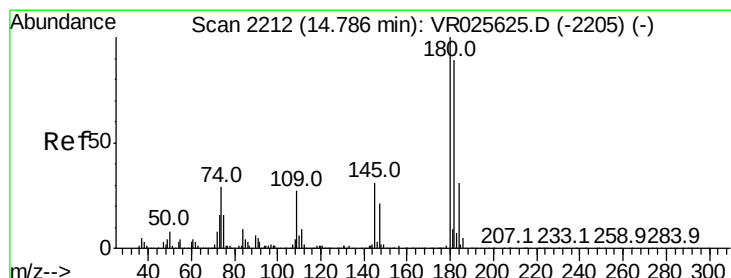
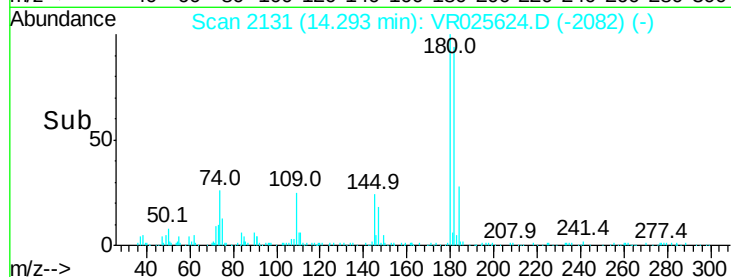
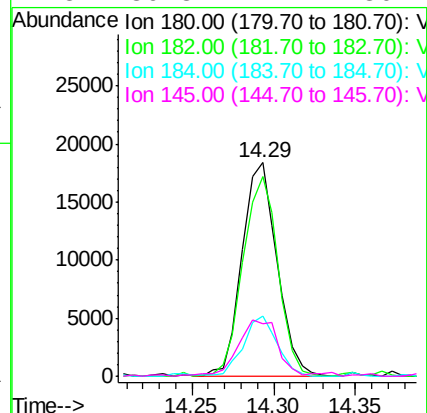
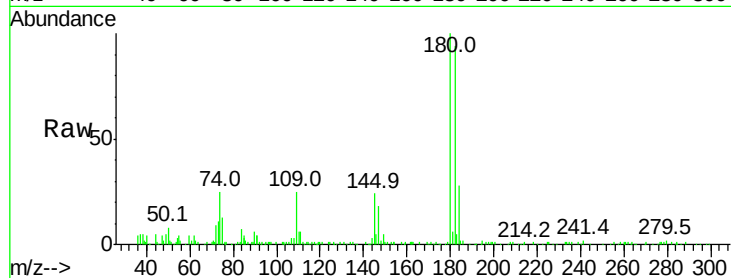




#67
 1,3,5-Trichlorobenzene
 Concen: 0.946 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

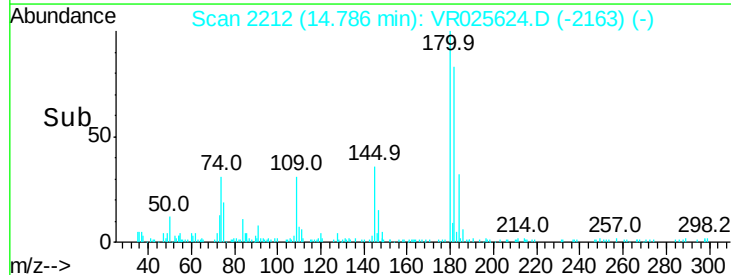
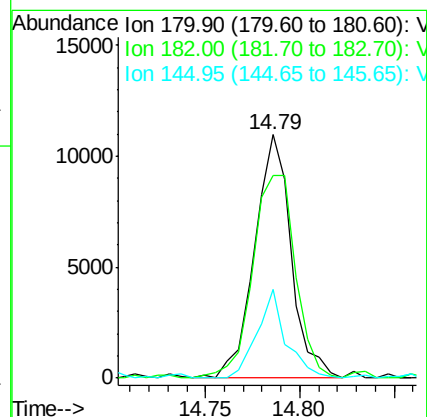
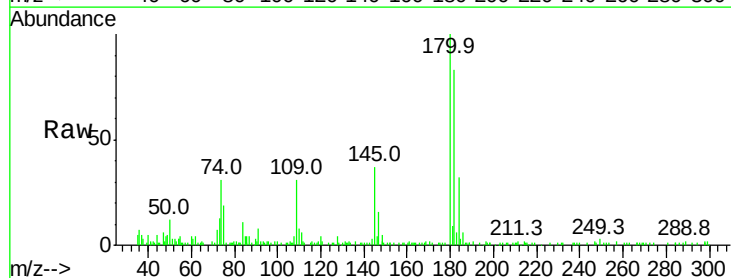
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00182

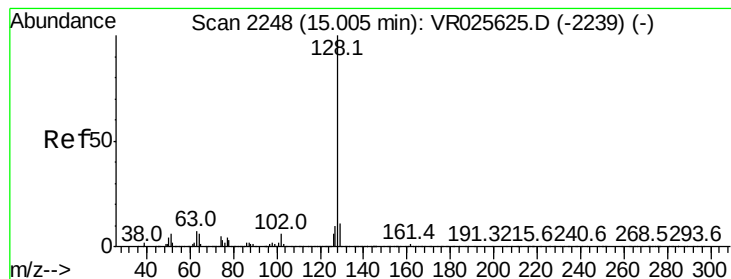
Tgt Ion:	180	Resp:	27513
Ion	Ratio	Lower	Upper
180	100		
182	93.7	74.4	111.6
184	27.1	25.1	37.7
145	30.3	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 0.822 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025624.D
 Acq: 21 Aug 2018 12:36

Tgt Ion:	180	Resp:	14719
Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.0	112.6
145	29.0	25.4	38.0





#69

Naphthalene

Concen: 0.773 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

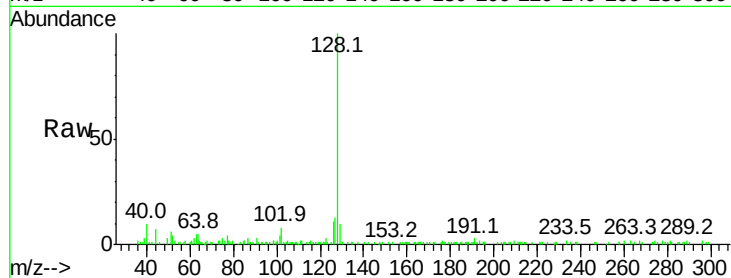
Tgt Ion:128 Resp: 16213

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

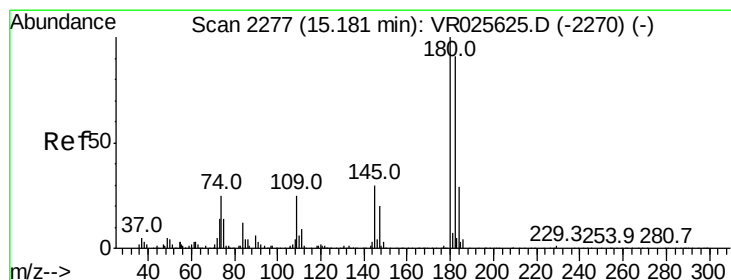
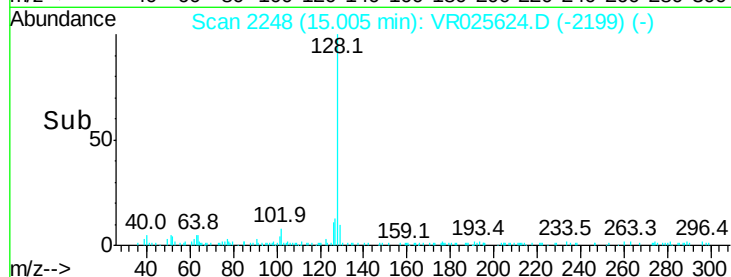
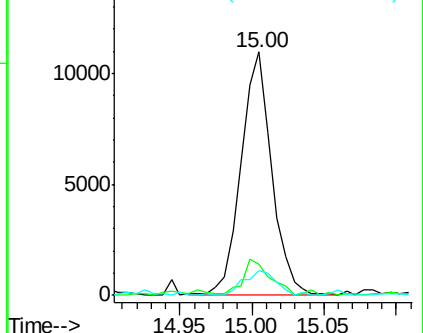
129 10.8 8.9 13.3



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: 0.825 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025624.D

Acq: 21 Aug 2018 12:36

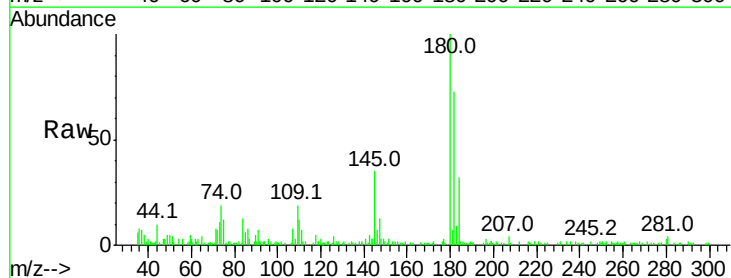
Tgt Ion:180 Resp: 12552

Ion Ratio Lower Upper

180 100

182 89.2 74.4 111.6

145 31.5 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

