

Data File : VR025437.D
Acq On : 5 Jul 2018 13:27
Operator : SY/MD
Sample : VSTD00583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Quant Time: Jul 05 14:25:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 05 12:32:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	744902	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	609282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	247962	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	100204	3.95	ug/L	0.00
7) Chloroethane-d5	2.63	69	88243	4.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	297023	4.55	ug/L	-0.01
20) 2-Butanone-d5	6.59	46	328593	48.32	ug/L	0.00
24) Chloroform-d	7.20	84	501681	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	192168	5.30	ug/L	0.00
32) Benzene-d6	7.85	84	1085620	5.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	301283	5.13	ug/L	0.00
41) Toluene-d8	9.97	98	978656	5.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	81073	5.19	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	293612	54.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	137012	6.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	211115	5.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	193757	4.024 ug/L	98
3) Chloromethane	2.01	50	116113	3.332 ug/L	98
5) Vinyl chloride	2.16	62	106734	3.460 ug/L	93
6) Bromomethane	2.52	94	63620	4.231 ug/L	97
8) Chloroethane	2.66	64	67149	4.170 ug/L	95
9) Trichlorofluoromethane	2.97	101	137371	3.049 ug/L	# 81
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	102005	3.860 ug/L	97
12) 1,1-Dichloroethene	3.65	96	106374	4.062 ug/L	96
13) Acetone	3.71	43	129471	42.152 ug/L	98
14) Carbon disulfide	3.98	76	246449	4.474 ug/L	99
15) Methyl Acetate	4.20	43	29164	3.776 ug/L	97
16) Methylene chloride	4.40	84	60567	2.542 ug/L	91
17) Methyl tert-butyl Ether	4.89	73	359005	4.599 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	275121	5.111 ug/L	93
19) 1,1-Dichloroethane	5.69	63	457566	4.525 ug/L	98
21) 2-Butanone	6.69	43	339756	46.799 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	267253	4.758 ug/L	# 97
23) Bromochloromethane	7.05	128	79212	4.815 ug/L	93
25) Chloroform	7.23	83	441879	4.780 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	301778	4.170 ug/L	97
30) Cyclohexane	7.52	56	366118	3.963 ug/L	96
31) Carbon tetrachloride	7.63	117	260136	4.094 ug/L	97
33) Benzene	7.91	78	1099627	4.597 ug/L	100
34) Trichloroethene	8.71	95	262127	4.529 ug/L	97
35) Methylcyclohexane	8.95	83	393281	4.306 ug/L	97
37) 1,2-Dichloropropane	8.99	63	249449	4.691 ug/L	100
38) Bromodichloromethane	9.28	83	251627	4.879 ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	299320	4.779 ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	795306	46.216 ug/L	97
42) Toluene	10.03	91	1090704	4.255 ug/L	99

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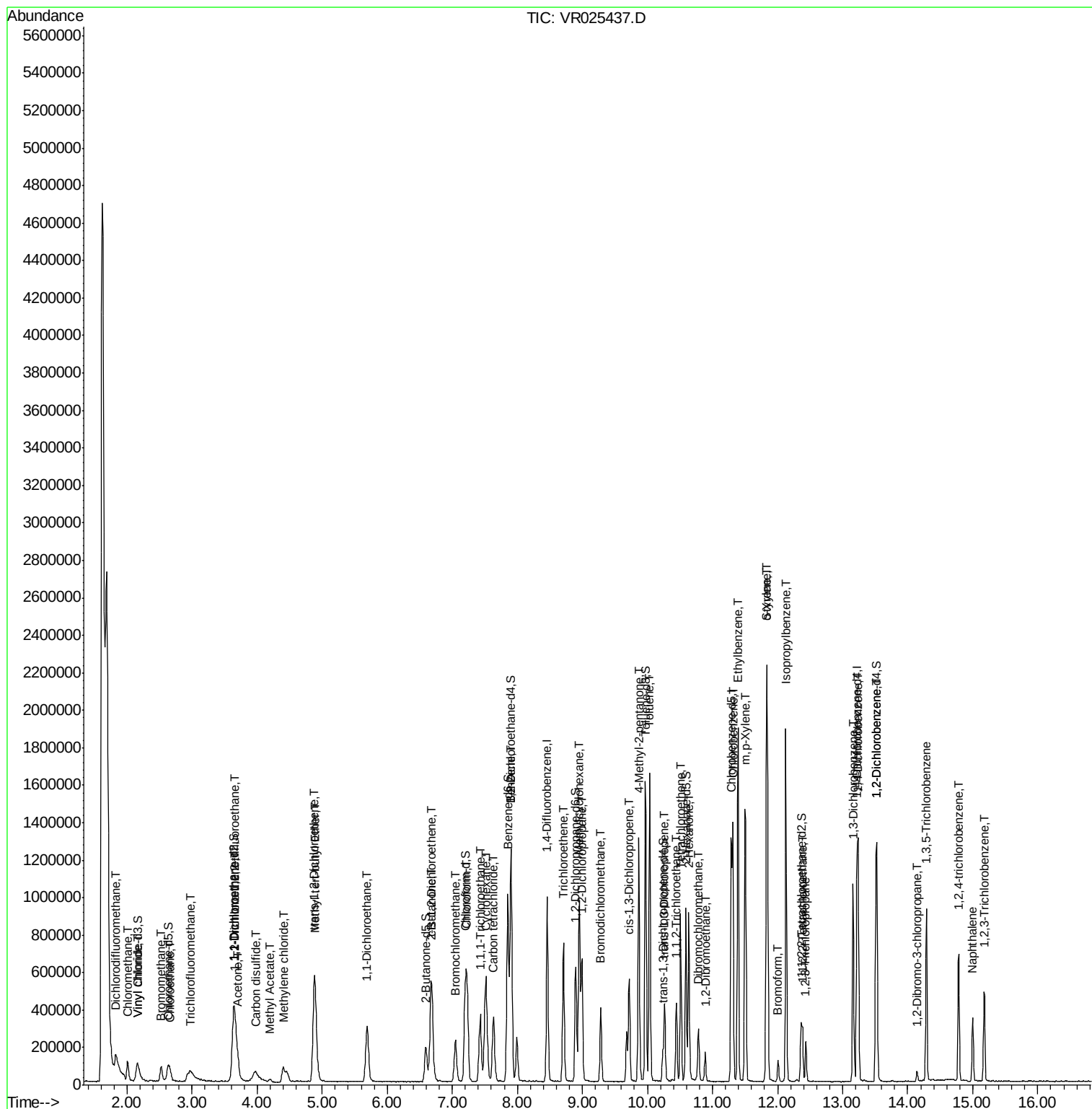
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.26	75	213364	4.953	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	119524	4.842	ug/L	97
47) Tetrachloroethene	10.52	164	175363	4.539	ug/L	97
48) 2-Hexanone	10.63	43	528382	48.167	ug/L	97
49) Dibromochloromethane	10.78	129	123090	5.179	ug/L	98
50) 1,2-Dibromoethane	10.89	107	95134	4.807	ug/L #	96
51) Chlorobenzene	11.31	112	625928	4.559	ug/L	97
52) Ethylbenzene	11.39	91	1187149	4.668	ug/L	98
53) m,p-Xylene	11.50	106	450325	4.638	ug/L	91
54) o-Xylene	11.83	106	399360	4.602	ug/L	95
55) Styrene	11.84	104	658113	4.935	ug/L	95
56) Isopropylbenzene	12.13	105	1074678	4.606	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	116275	5.086	ug/L	91
59) 1,2,3-Trichloropropane	12.44	75	83955	5.088	ug/L	97
61) Bromoform	12.01	173	46510	5.259	ug/L #	95
62) 1,3-Dichlorobenzene	13.16	146	368023	4.229	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	389547	4.477	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	316289	4.535	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	11720	4.253	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	238714	4.142	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	170400	4.247	ug/L	98
69) Naphthalene	15.00	128	229919	4.403	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	131396	4.232	ug/L	99

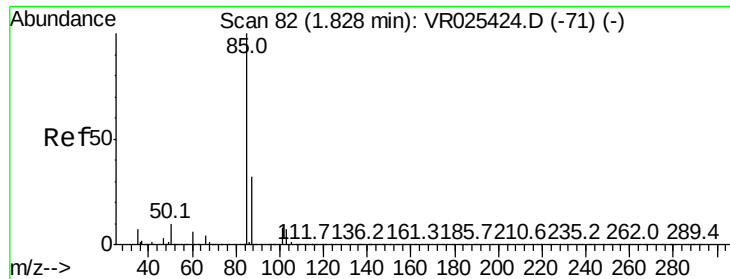
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.024 ug/L

RT: 1.83 min Scan# 82

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampled :

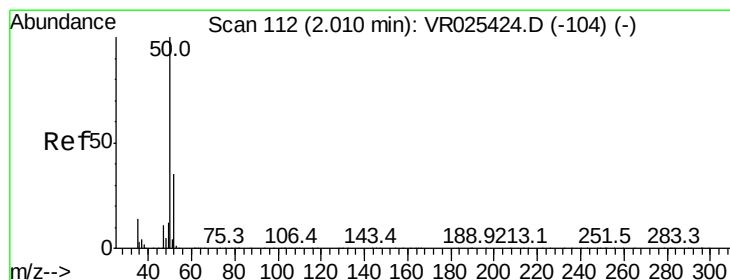
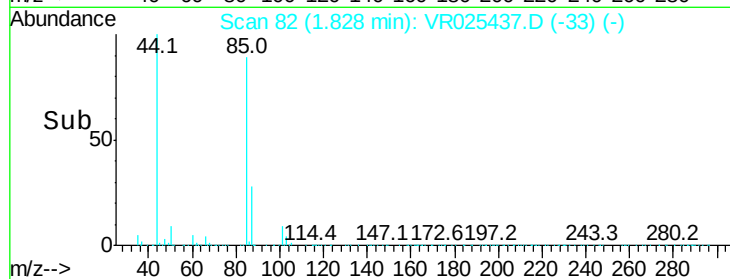
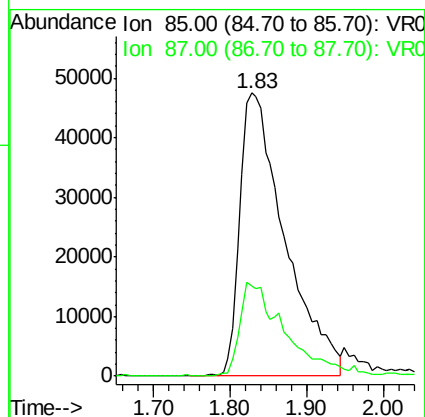
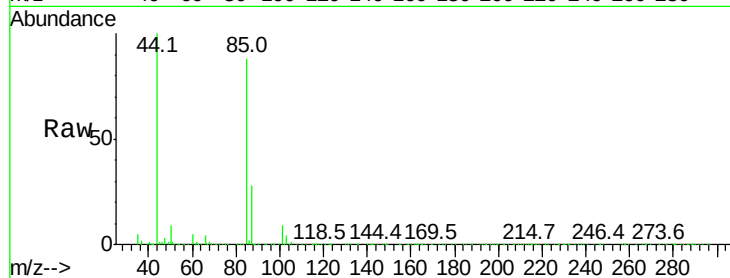
VSTD00583

Tgt Ion: 85 Resp: 193757

Ion Ratio Lower Upper

85 100

87 32.8 25.4 38.0



#3

Chloromethane

Concen: 3.332 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025437.D

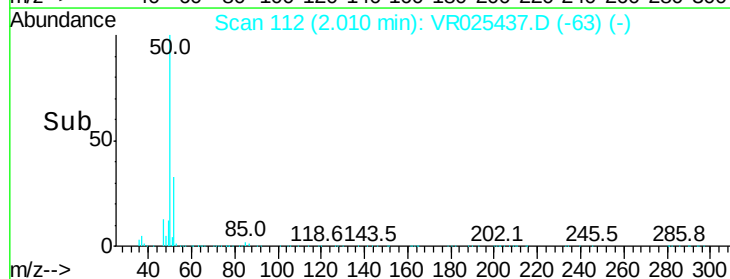
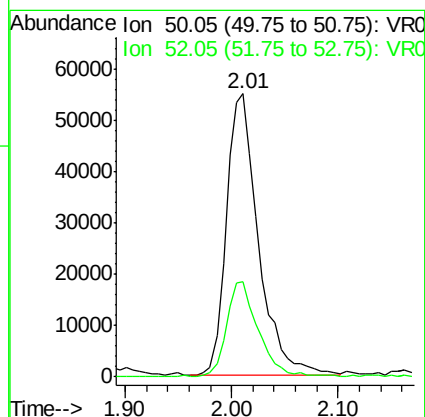
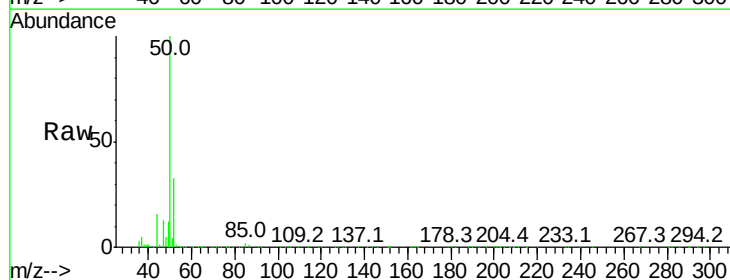
Acq: 5 Jul 2018 13:27

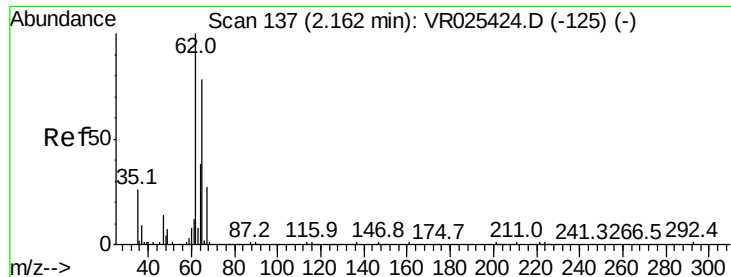
Tgt Ion: 50 Resp: 116113

Ion Ratio Lower Upper

50 100

52 33.5 22.8 42.4





#5

Vinyl chloride

Concen: 3.460 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

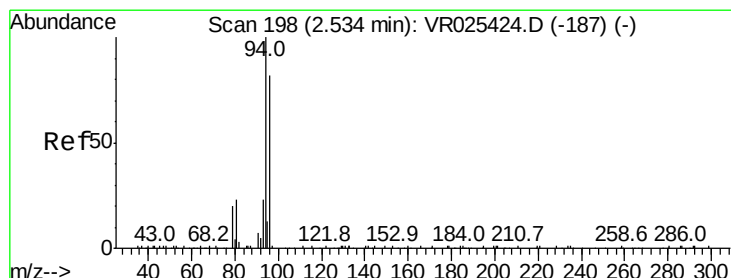
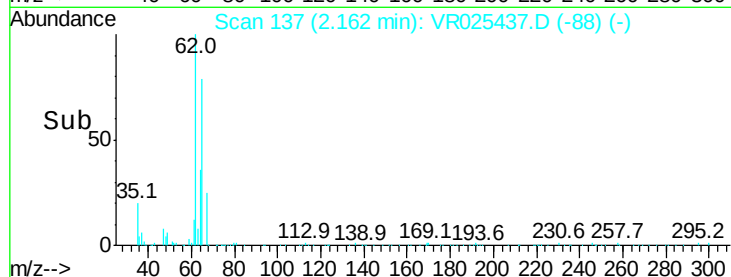
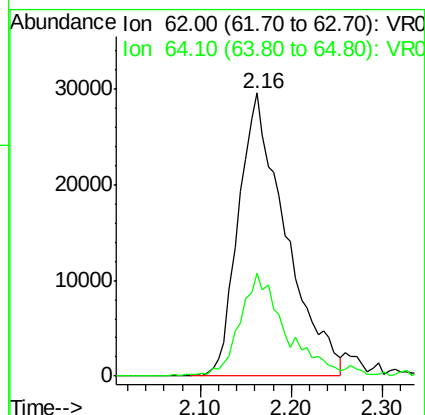
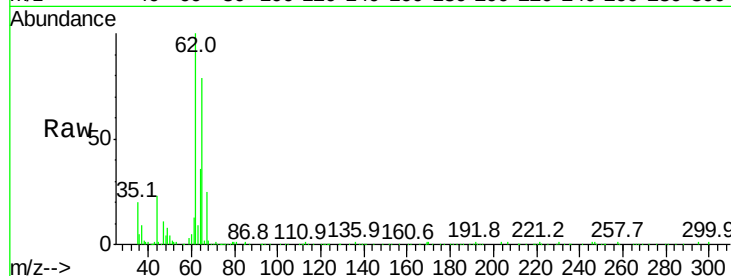
VSTD00583

Tgt Ion: 62 Resp: 106734

Ion Ratio Lower Upper

62 100

64 36.4 22.8 42.4



#6

Bromomethane

Concen: 4.231 ug/L

RT: 2.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VR025437.D

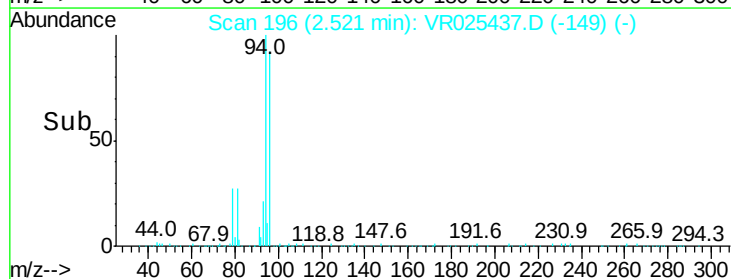
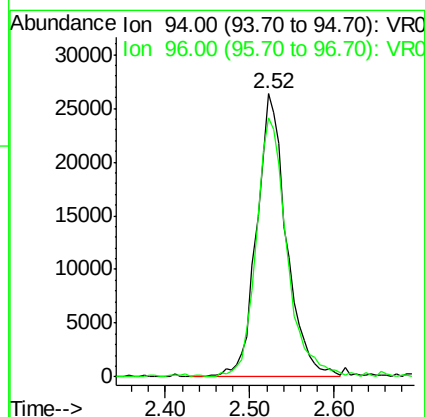
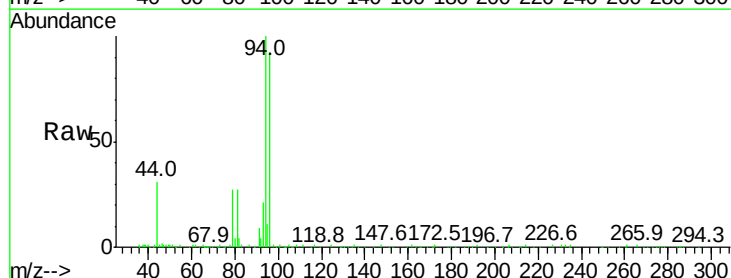
Acq: 5 Jul 2018 13:27

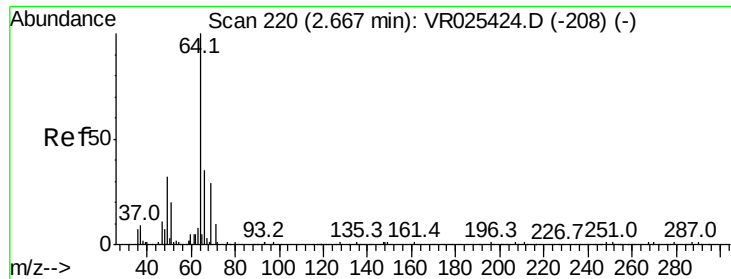
Tgt Ion: 94 Resp: 63620

Ion Ratio Lower Upper

94 100

96 91.7 65.9 122.3

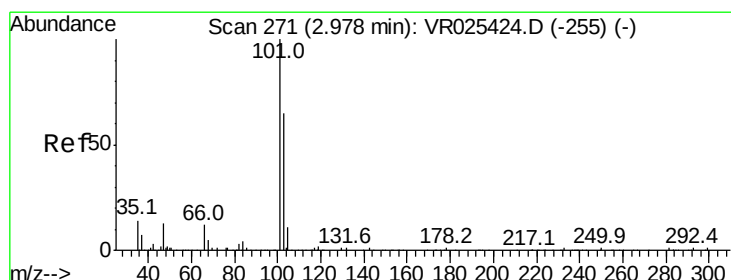
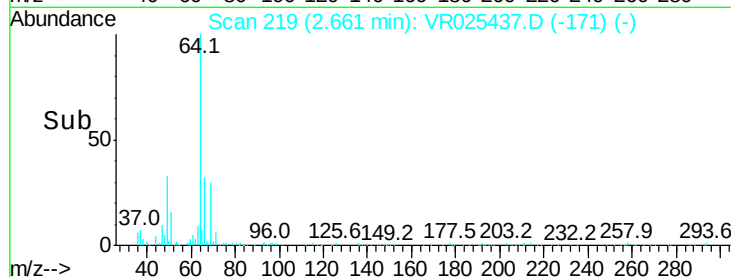
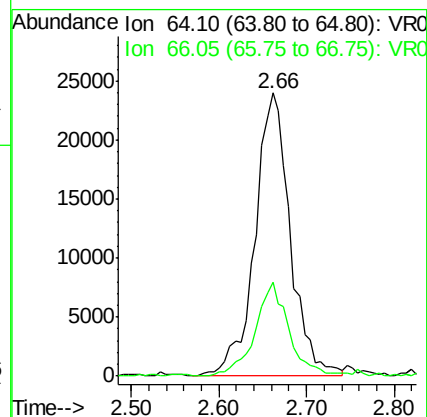
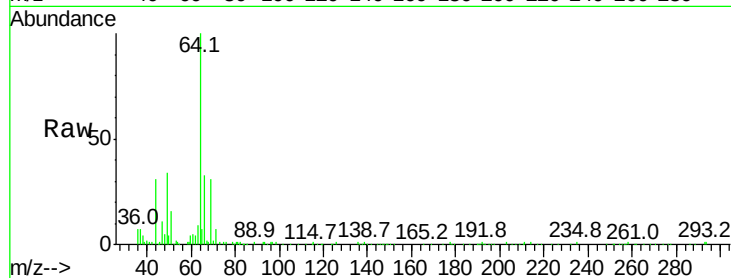




#8
Chloroethane
Concen: 4.170 ug/L
RT: 2.66 min Scan# 219
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

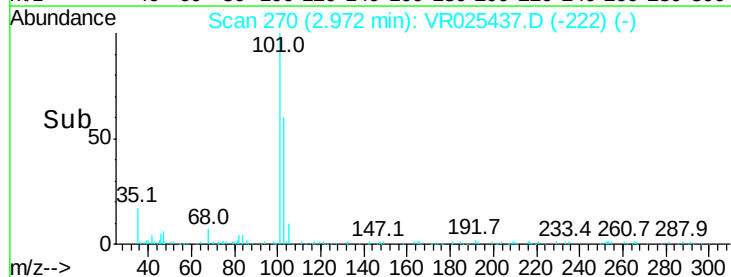
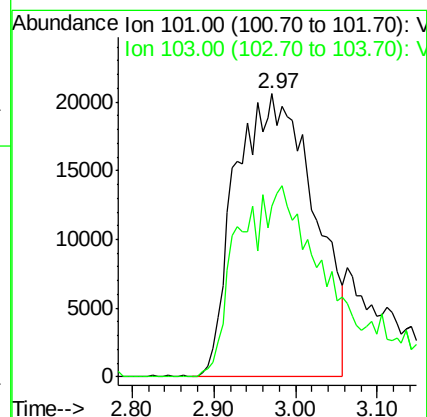
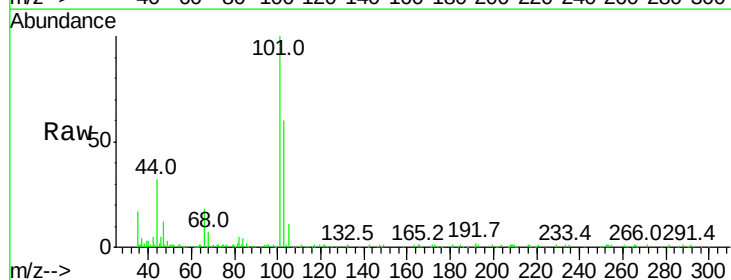
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

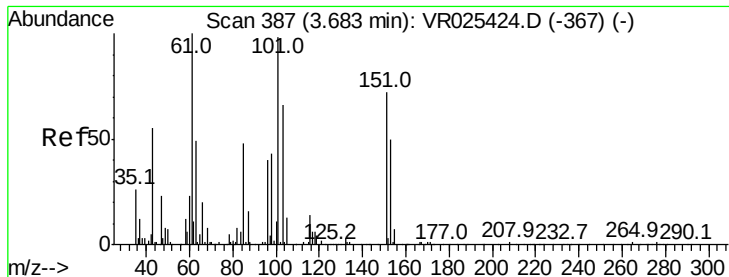
Tgt Ion: 64 Resp: 67149
Ion Ratio Lower Upper
64 100
66 33.2 21.3 39.5



#9
Trichlorofluoromethane
Concen: 3.049 ug/L
RT: 2.97 min Scan# 270
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion: 101 Resp: 137371
Ion Ratio Lower Upper
101 100
103 21.3 11.0 16.4#





#10

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

Concen: 3.860 ug/L

RT: 3.67 min Scan# 384

Delta R.T. -0.02 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

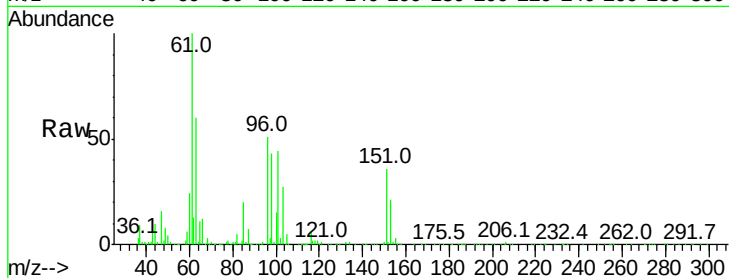
Tgt Ion: 101 Resp: 102005

Ion Ratio Lower Upper

101 100

85 49.1 39.1 58.7

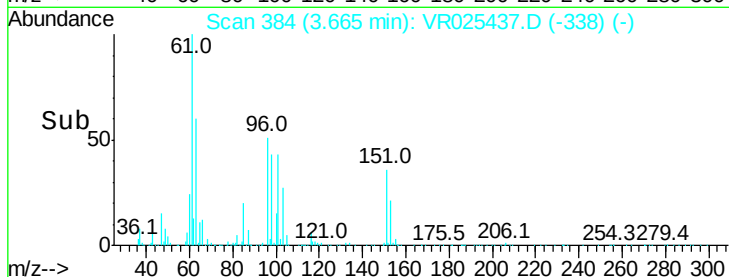
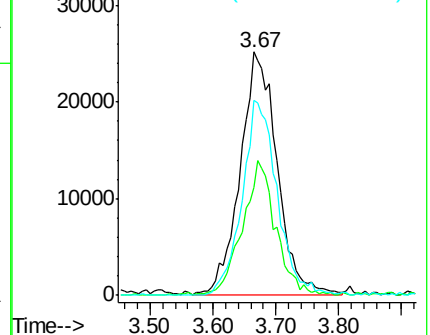
151 76.2 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.062 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

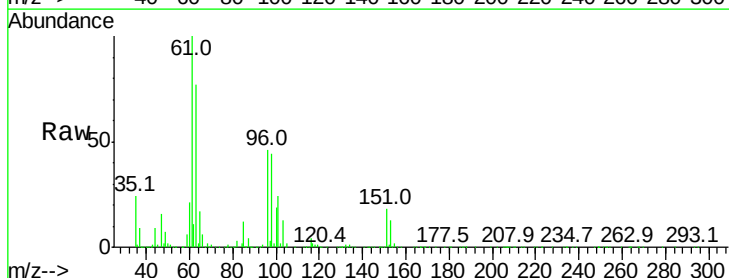
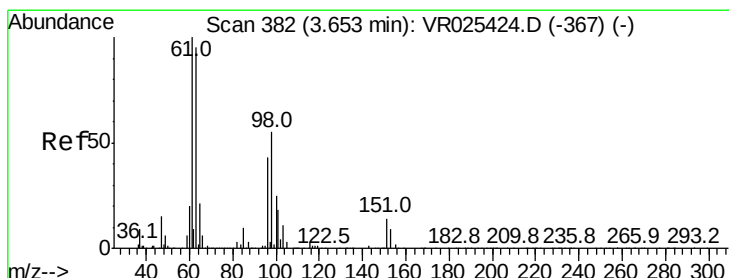
Tgt Ion: 96 Resp: 106374

Ion Ratio Lower Upper

96 100

61 216.2 155.0 287.9

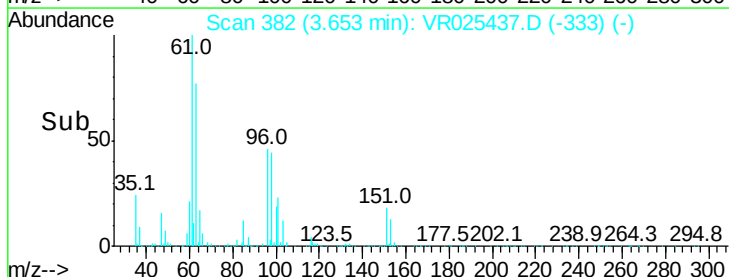
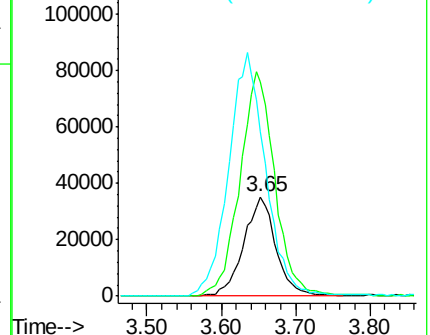
63 166.4 122.3 227.1

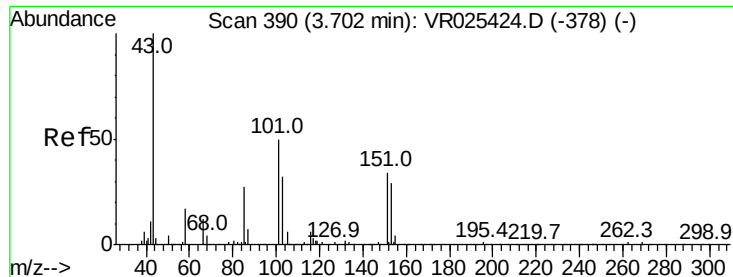


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 42.152 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

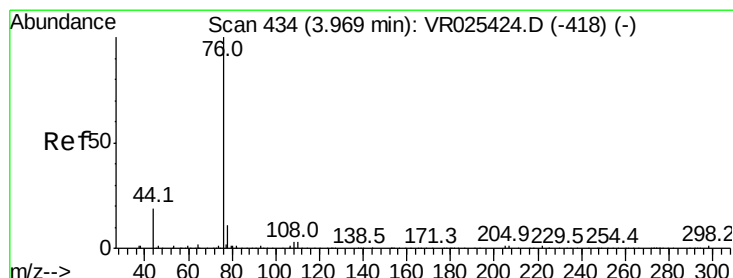
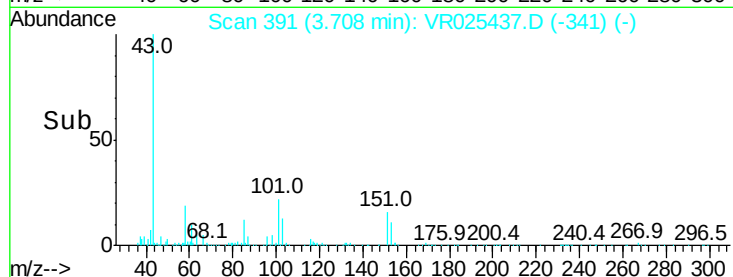
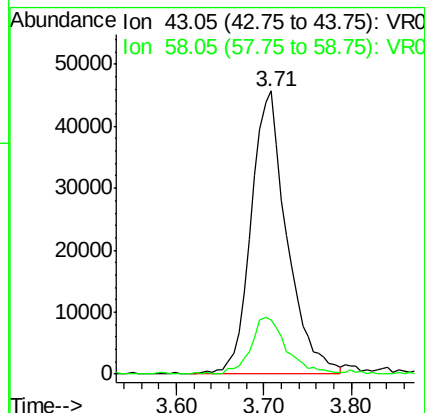
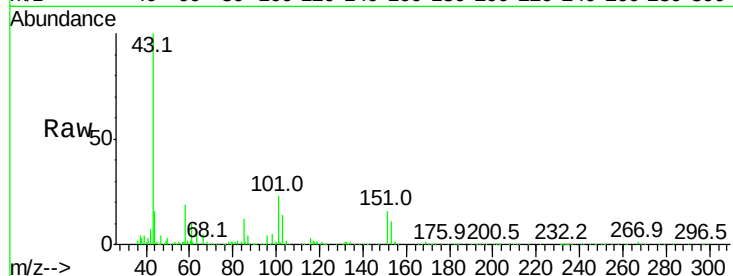
Instrument :
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VSTD00583

Tgt Ion: 43 Resp: 129471

Ion Ratio Lower Upper

43 100

58 19.8 0.0 41.6



#14

Carbon disulfide

Concen: 4.474 ug/L

RT: 3.98 min Scan# 435

Delta R.T. 0.01 min

Lab File: VR025437.D

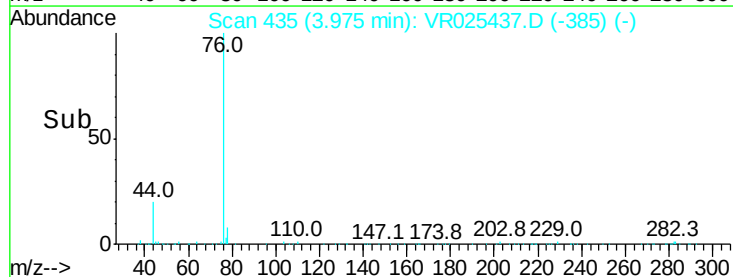
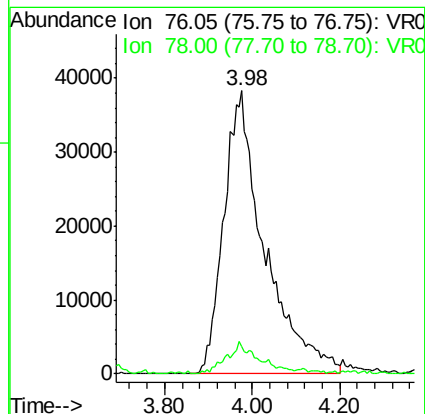
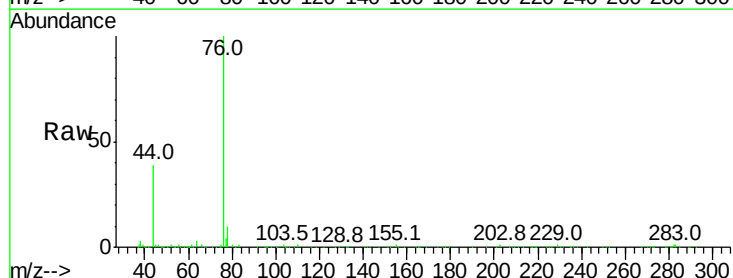
Acq: 5 Jul 2018 13:27

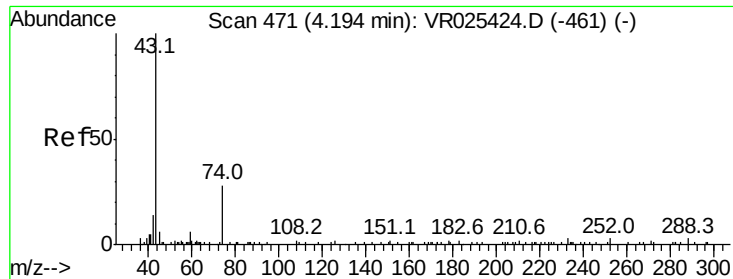
Tgt Ion: 76 Resp: 246449

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

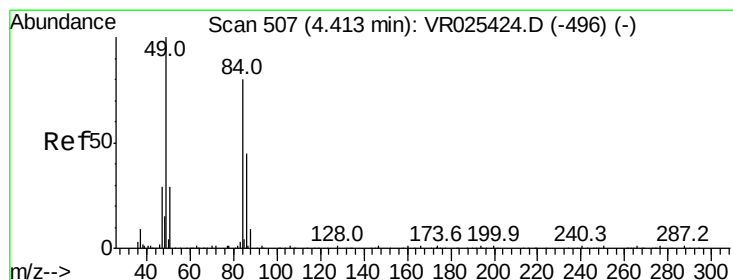
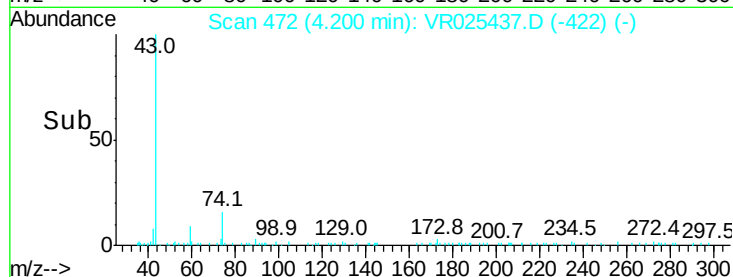
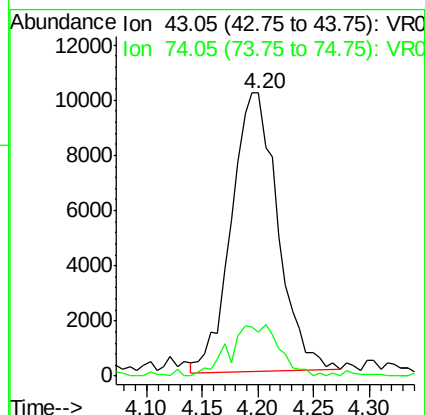
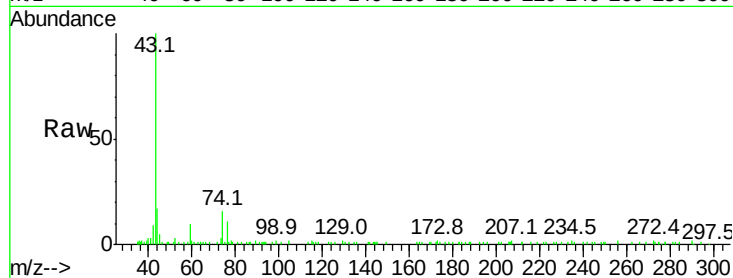




#15
Methyl Acetate
Concen: 3.776 ug/L
RT: 4.20 min Scan# 472
Delta R.T. 0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

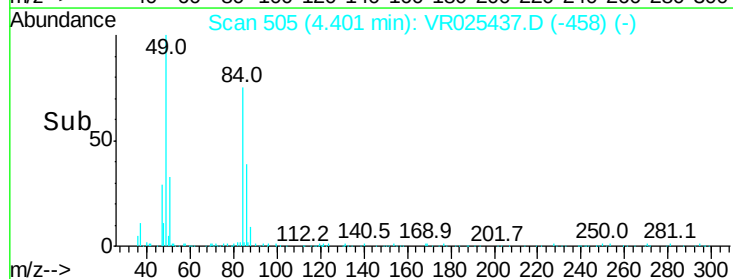
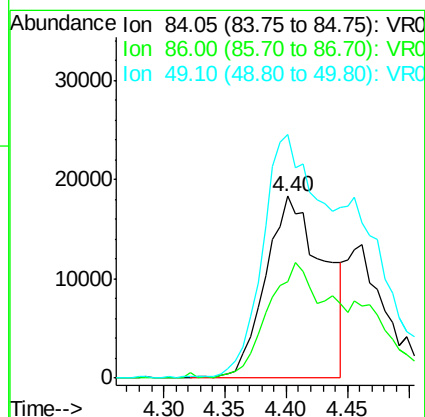
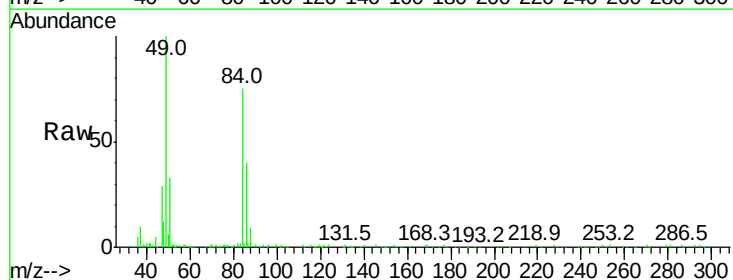
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

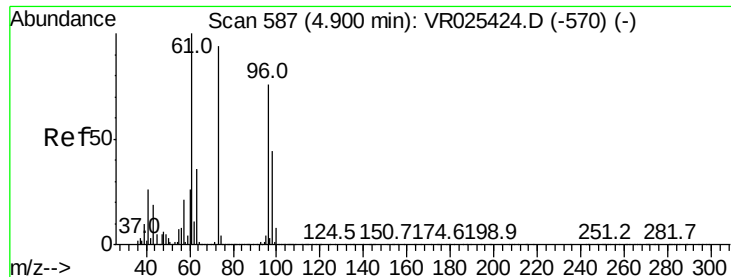
Tgt Ion: 43 Resp: 29164
Ion Ratio Lower Upper
43 100
74 19.6 16.7 25.1



#16
Methylene chloride
Concen: 2.542 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion: 84 Resp: 60567
Ion Ratio Lower Upper
84 100
86 53.4 43.7 81.1
49 133.9 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 4.599 ug/L

RT: 4.89 min Scan# 586

Delta R.T. -0.01 min

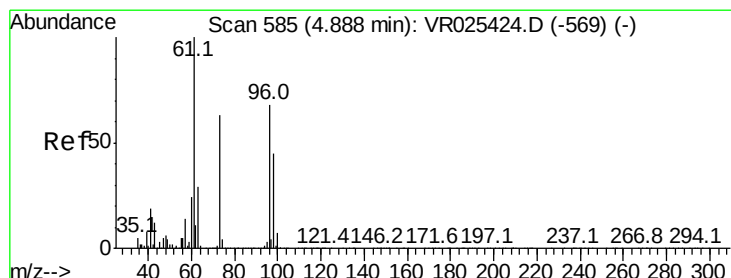
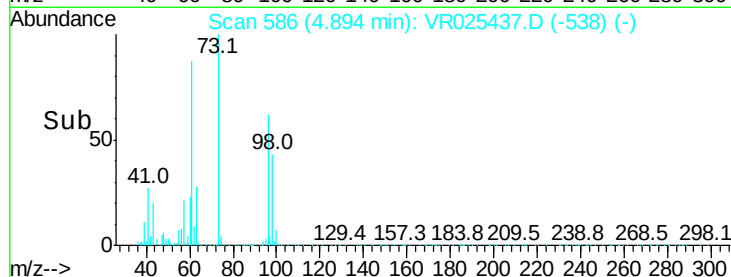
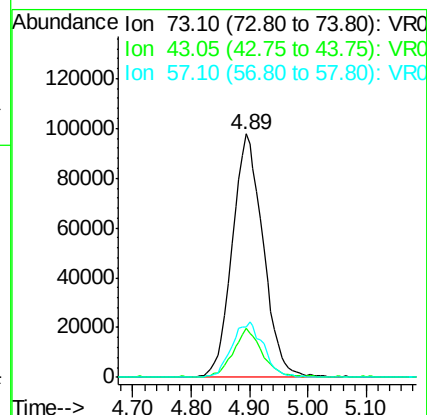
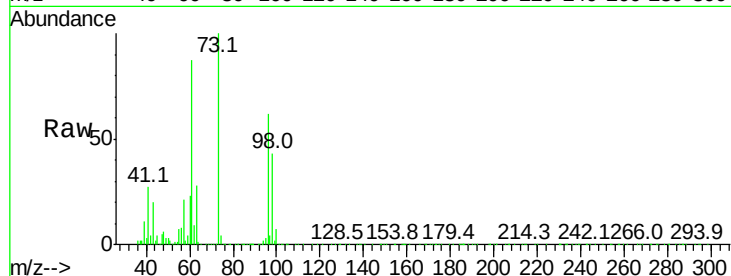
Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Tgt Ion: 73 Resp: 359005

Ion	Ratio	Lower	Upper
73	100		
43	18.5	15.8	23.6
57	23.0	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 5.111 ug/L

RT: 4.88 min Scan# 583

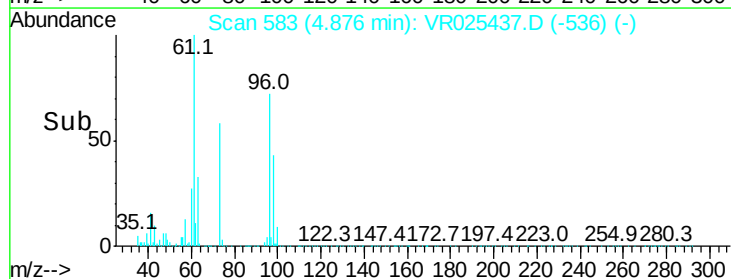
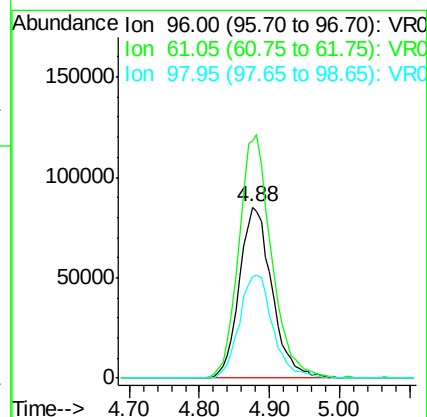
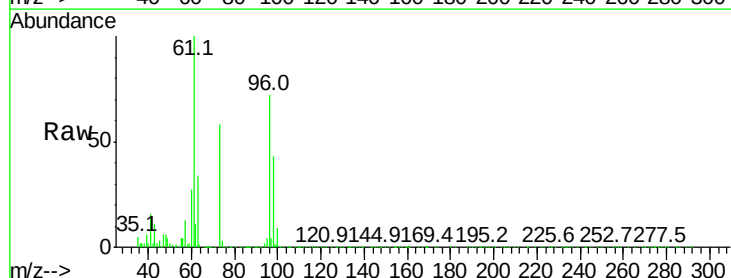
Delta R.T. -0.01 min

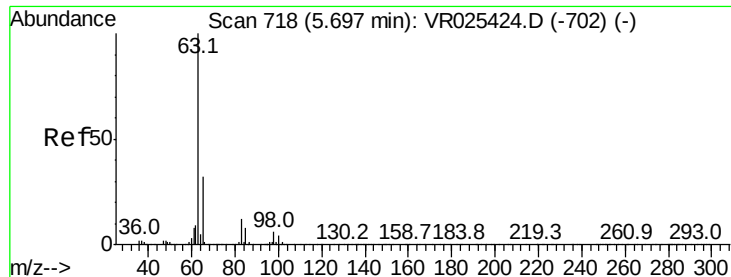
Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Tgt Ion: 96 Resp: 275121

Ion	Ratio	Lower	Upper
96	100		
61	139.0	104.4	193.8
98	59.3	43.1	80.1

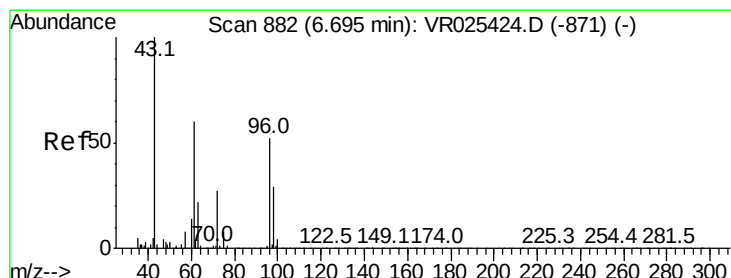
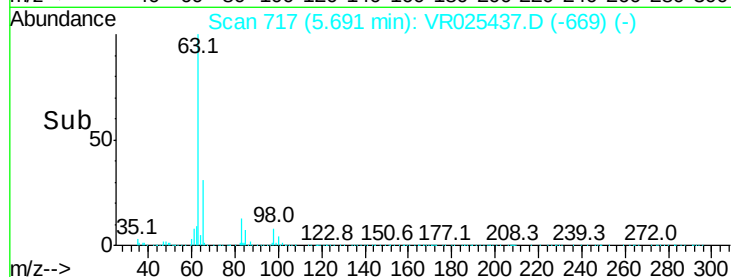
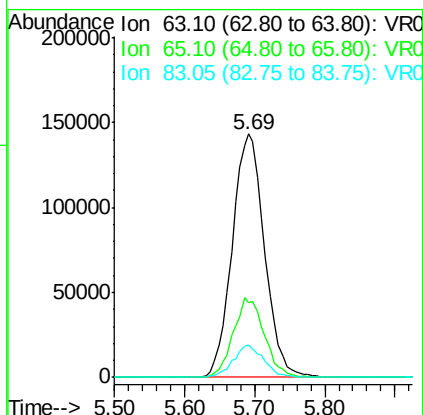
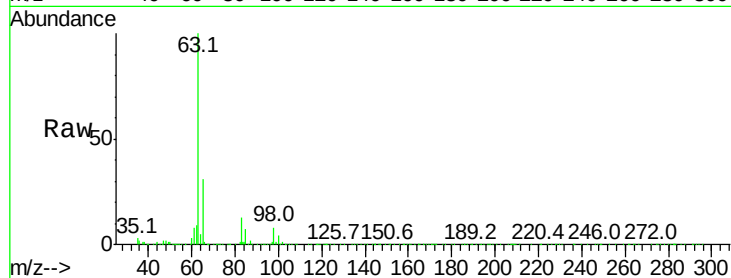




#19
 1,1-Dichloroethane
 Concen: 4.525 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VR025437.D
 Acq: 5 Jul 2018 13:27

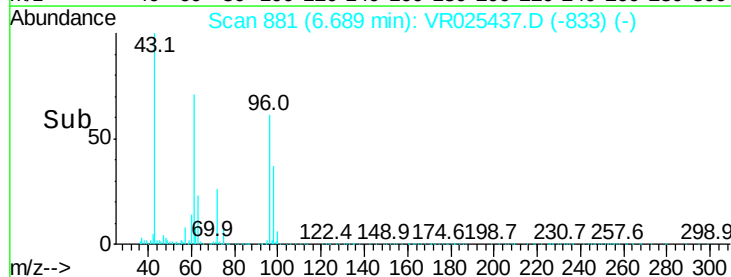
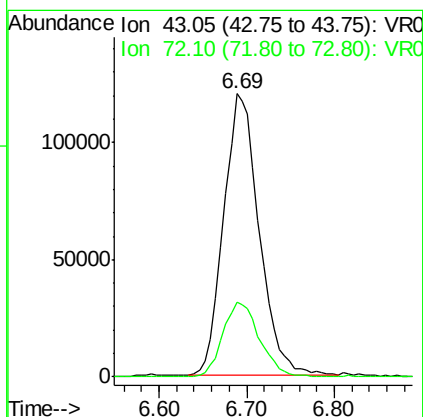
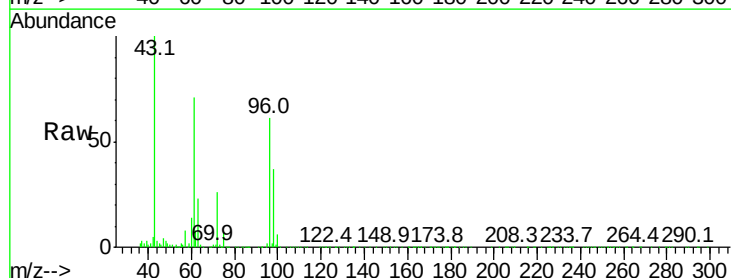
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

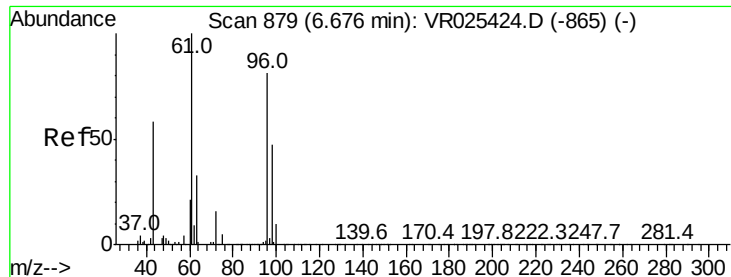
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.5	41.7
83	13.5	9.5	17.7



#21
 2-Butanone
 Concen: 46.799 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VR025437.D
 Acq: 5 Jul 2018 13:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.5	13.0	38.9



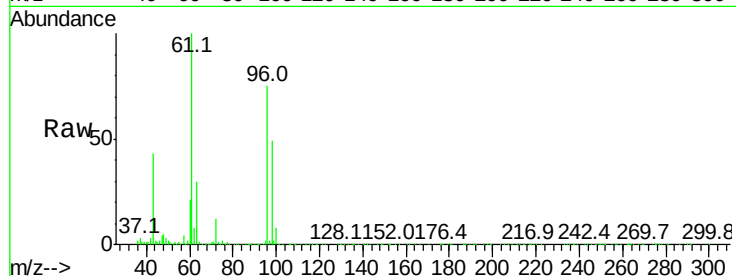


#22

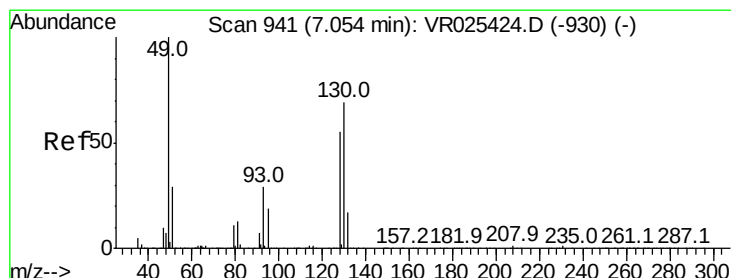
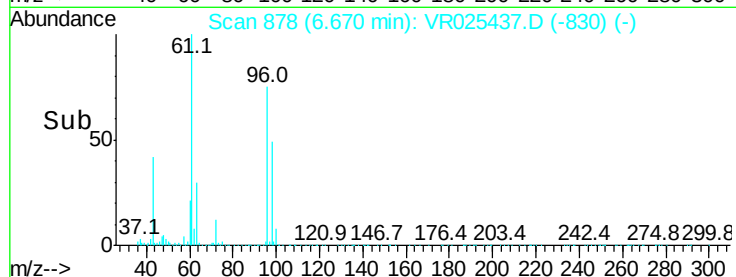
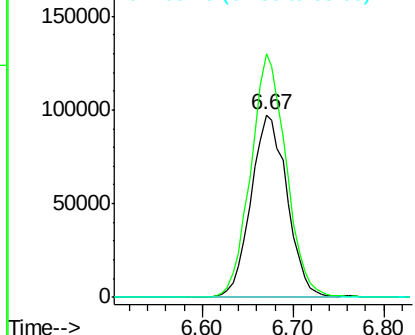
cis-1,2-Dichloroethene
Concen: 4.758 ug/L
RT: 6.67 min Scan# 878
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Tgt Ion: 96 Resp: 267253
Ion Ratio Lower Upper
96 100
61 133.5 91.0 169.0
68 0.1 0.0 0.0#



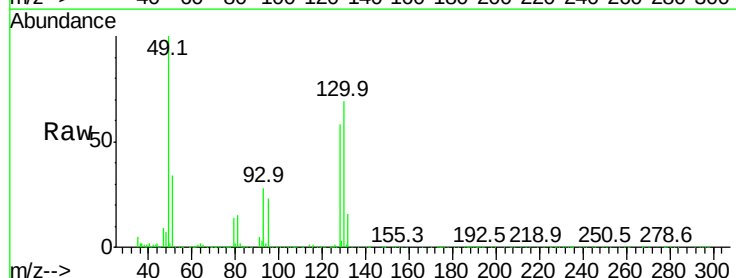
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



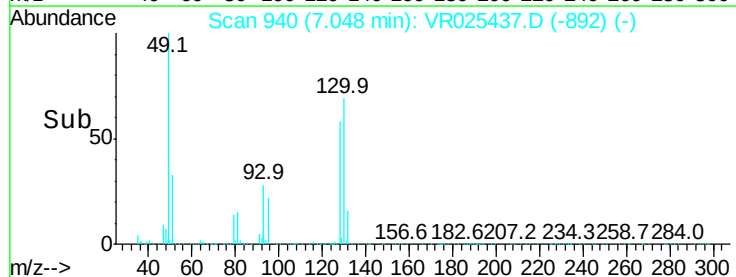
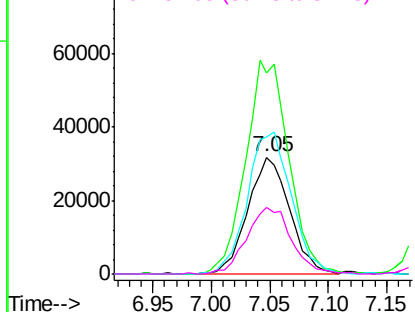
#23

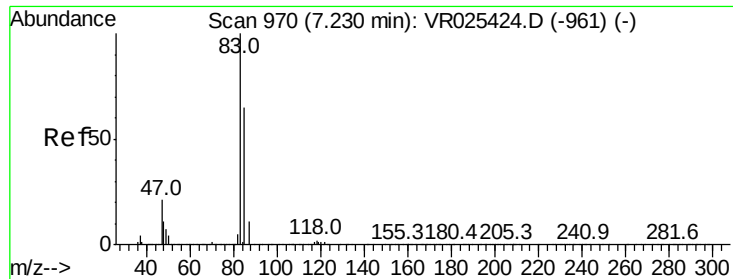
Bromochloromethane
Concen: 4.815 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion:128 Resp: 79212
Ion Ratio Lower Upper
128 100
49 171.5 128.7 238.9
130 117.5 87.2 161.9
51 57.5 48.2 72.2



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

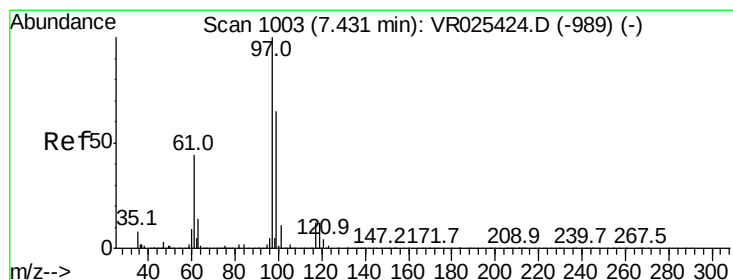
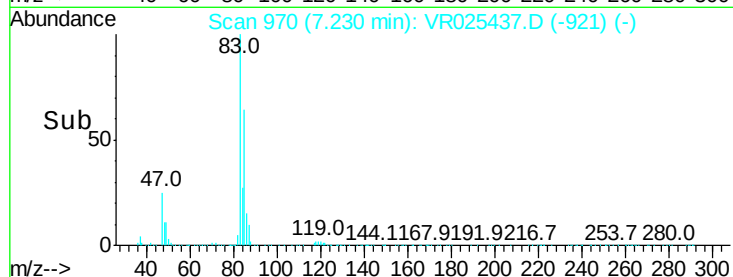
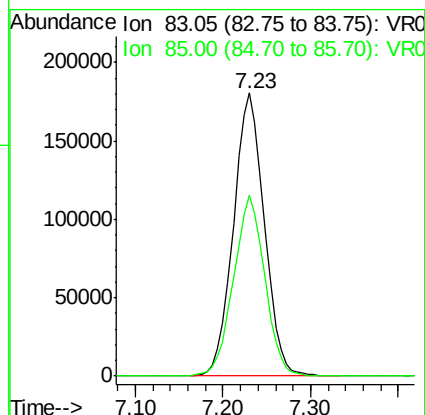
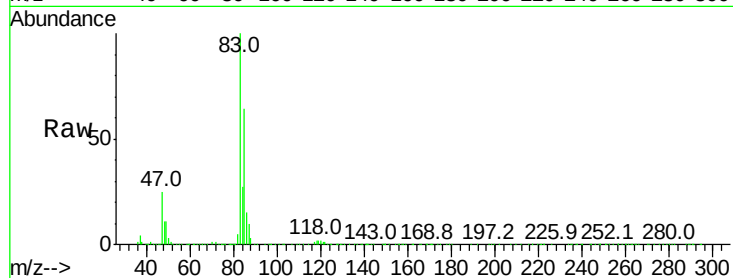




#25
Chloroform
Concen: 4.780 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

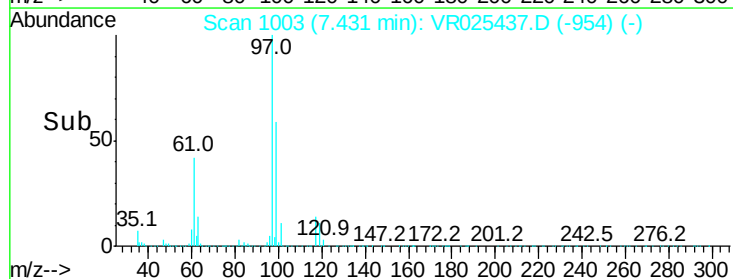
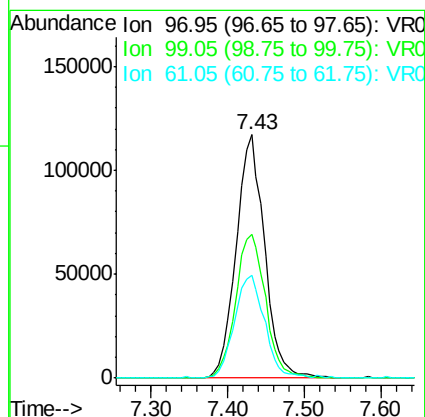
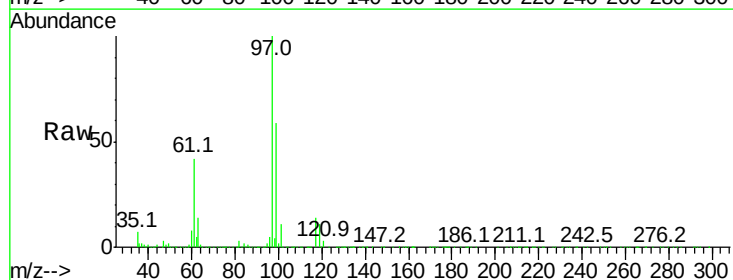
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

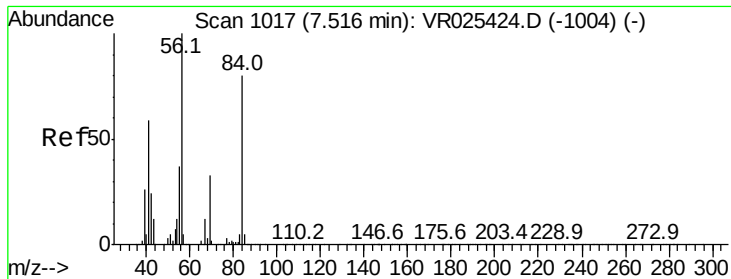
Tgt Ion: 83 Resp: 441879
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#29
1,1,1-Trichloroethane
Concen: 4.170 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion: 97 Resp: 301778
Ion Ratio Lower Upper
97 100
99 62.2 52.1 78.1
61 44.6 37.0 55.6

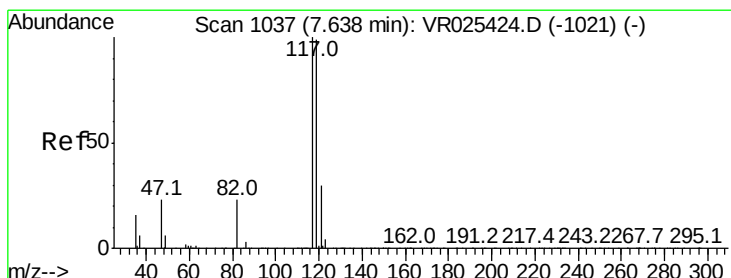
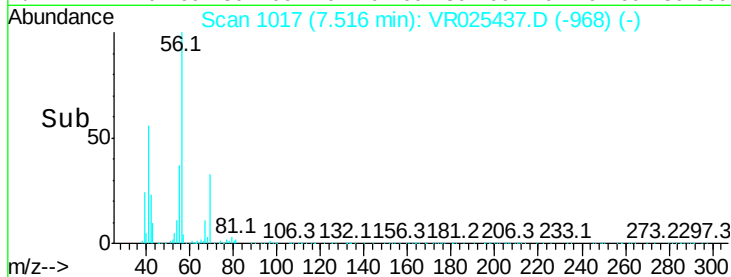
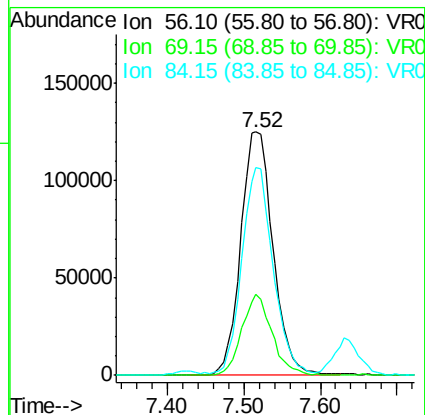
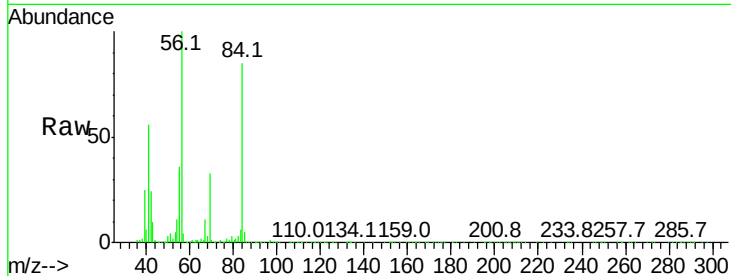




#30
Cyclohexane
Concen: 3.963 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

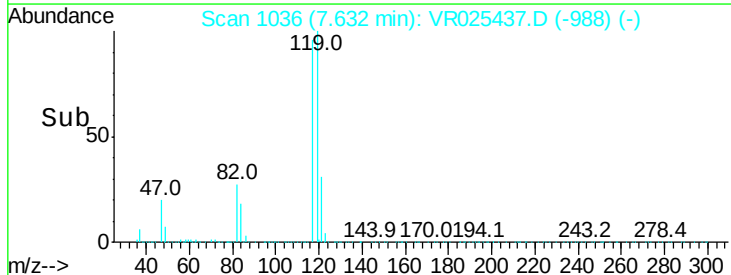
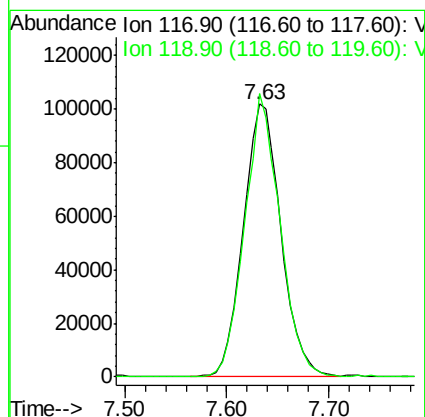
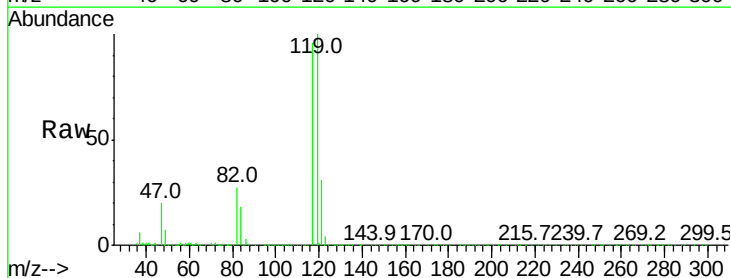
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

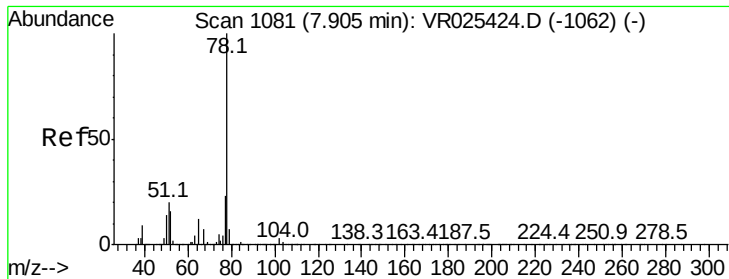
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.7	35.5
84	82.6	62.6	93.8



#31
Carbon tetrachloride
Concen: 4.094 ug/L
RT: 7.63 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.5	113.3





#33

Benzene

Concen: 4.597 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

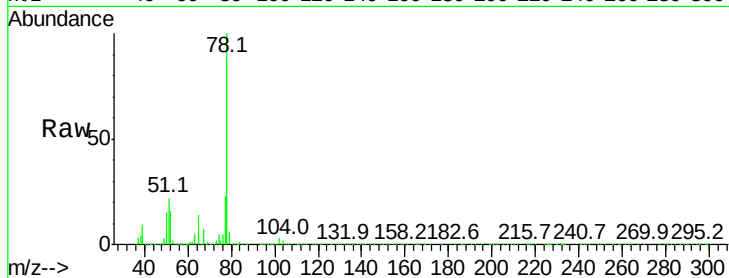
Instrument :

MSVOA_R

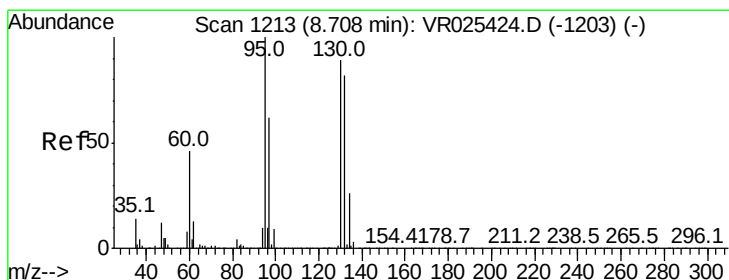
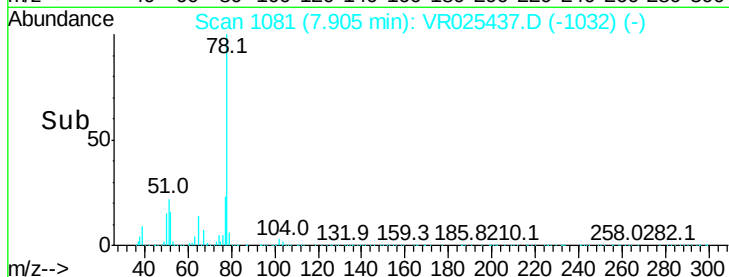
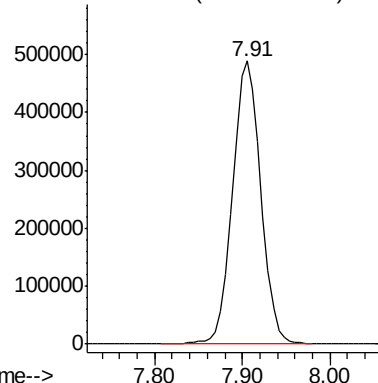
ClientSampled :

VSTD00583

Tgt Ion: 78 Resp: 1099627



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 4.529 ug/L

RT: 8.71 min Scan# 1213

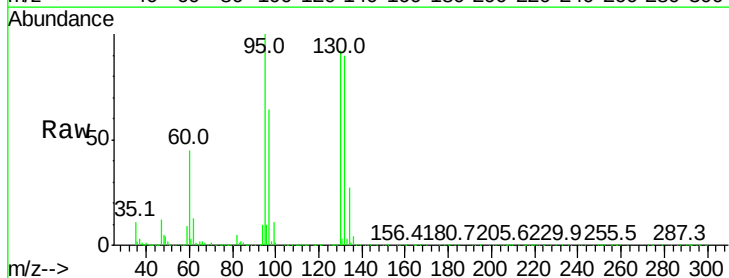
Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Tgt Ion: 95 Resp: 262127

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.6	84.6
132	90.0	60.9	113.1
130	91.8	62.0	115.2

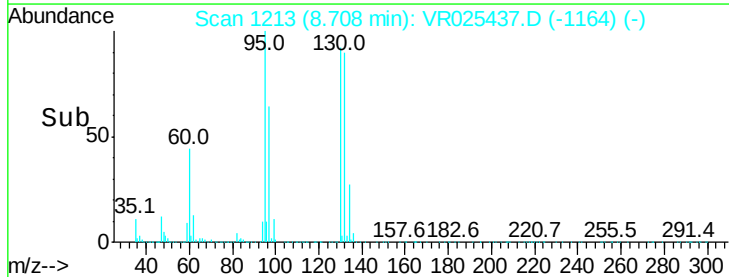


Abundance Ion 95.00 (94.70 to 95.70): VR0

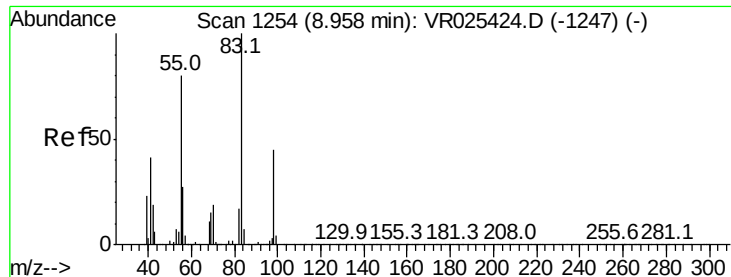
Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): VR0

Ion 129.95 (129.65 to 130.65): VR0



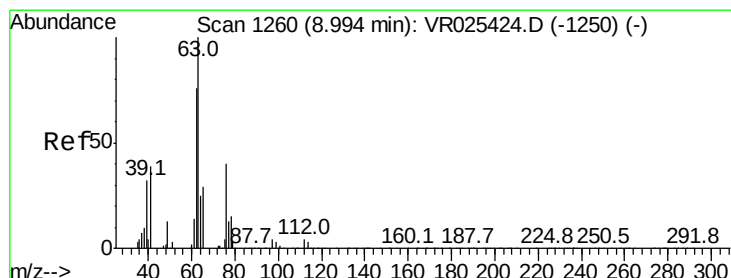
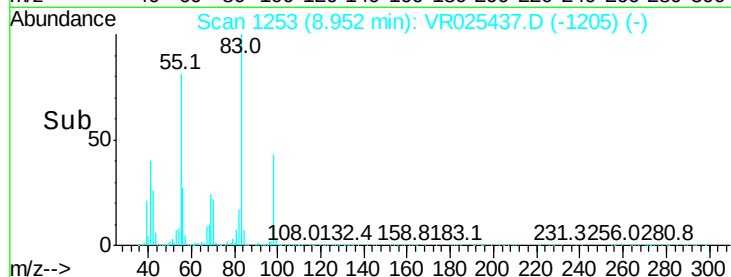
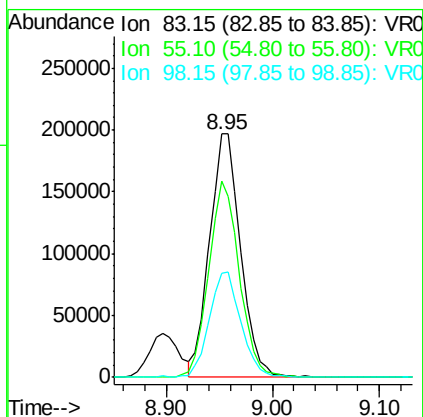
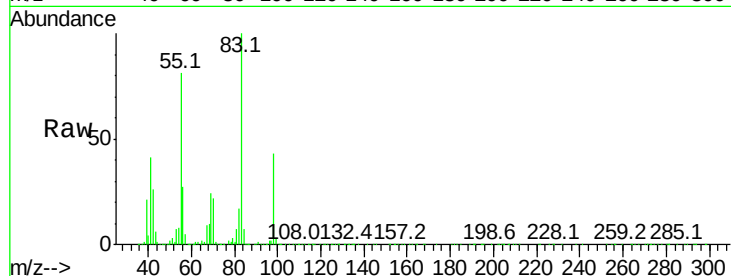
Time-->



#35
Methylcyclohexane
Concen: 4.306 ug/L
RT: 8.95 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

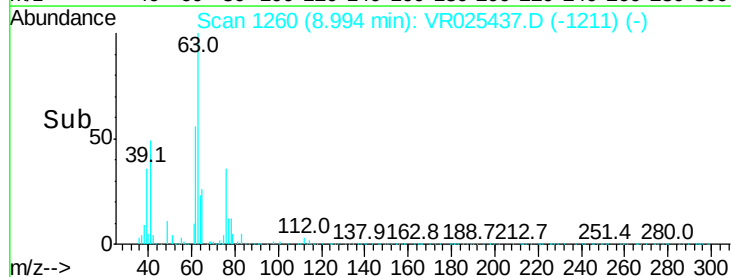
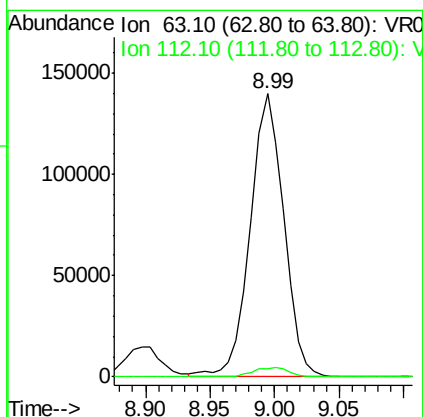
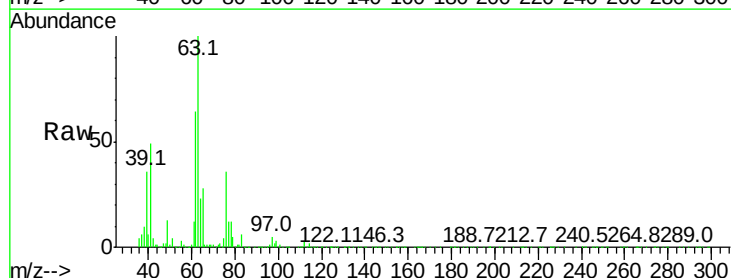
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

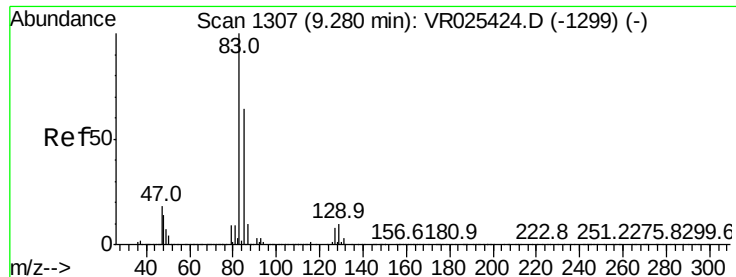
Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.6	66.1	99.1
98	44.0	36.2	54.4



#37
1,2-Dichloropropane
Concen: 4.691 ug/L
RT: 8.99 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion	Ratio	Lower	Upper
63	100		
112	3.6	2.9	4.3

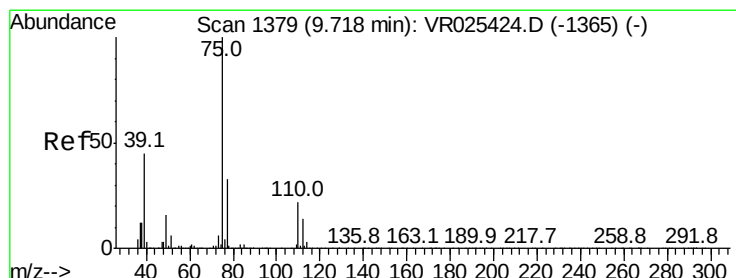
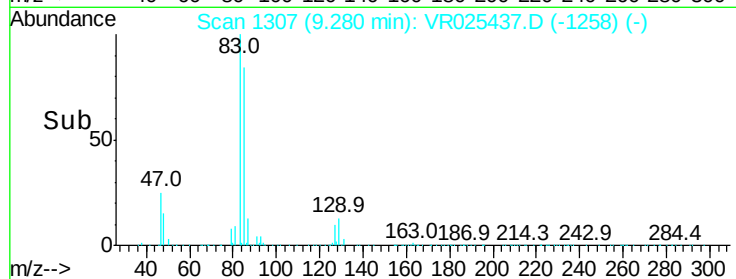
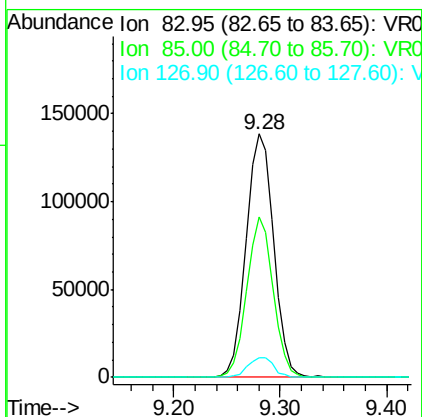
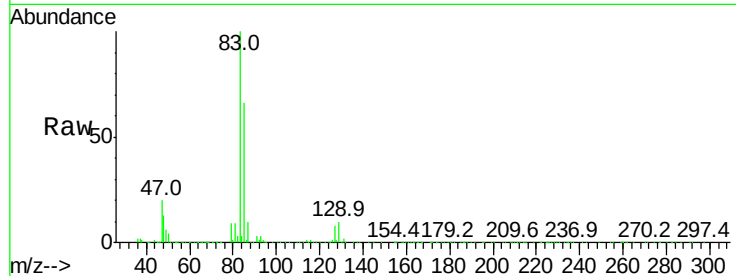




#38
 Bromodichloromethane
 Concen: 4.879 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025437.D
 Acq: 5 Jul 2018 13:27

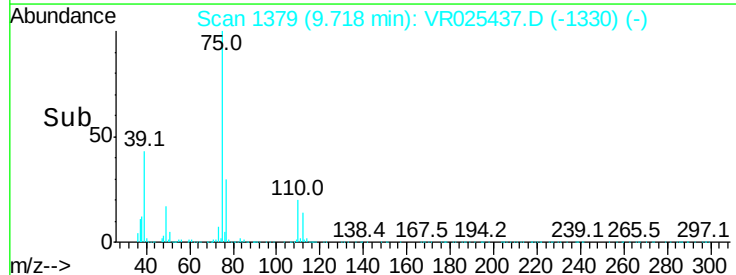
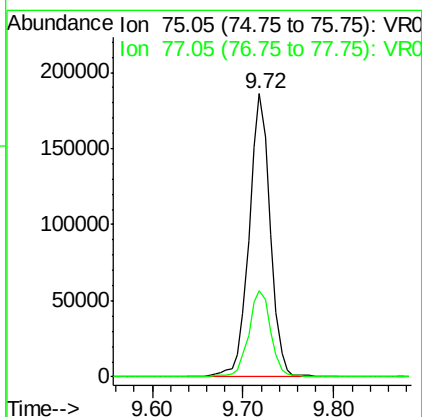
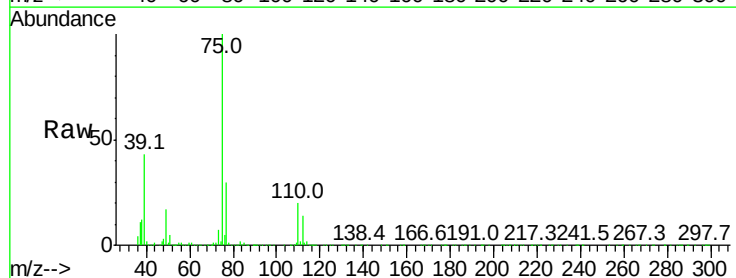
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

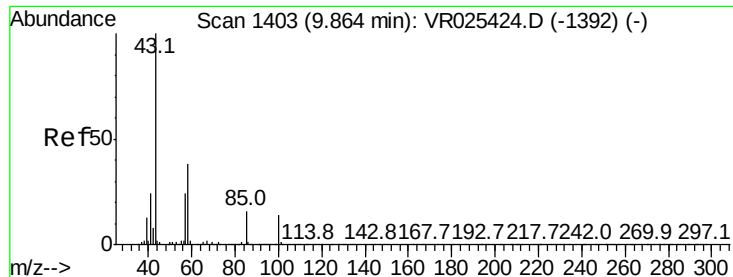
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	46.1	85.7
127	8.2	5.7	8.5



#39
 cis-1,3-Dichloropropene
 Concen: 4.779 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025437.D
 Acq: 5 Jul 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	21.1	39.1

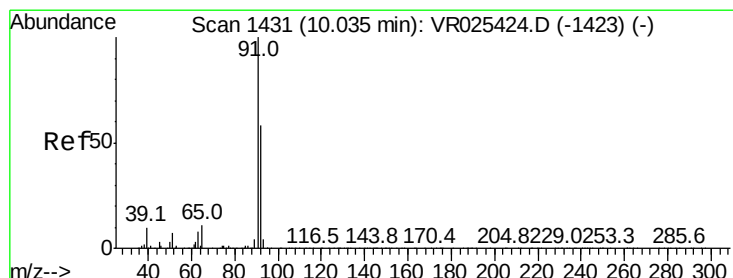
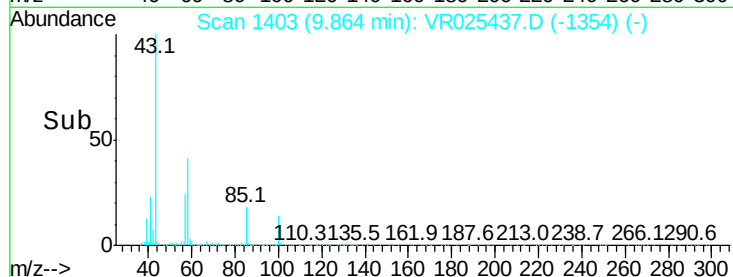
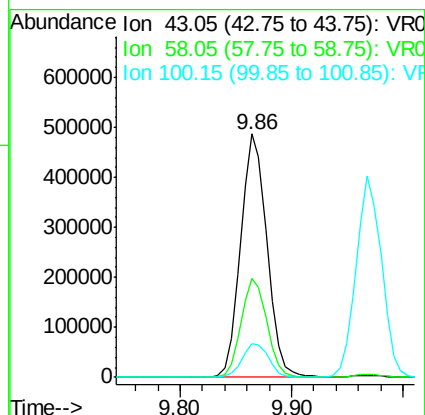
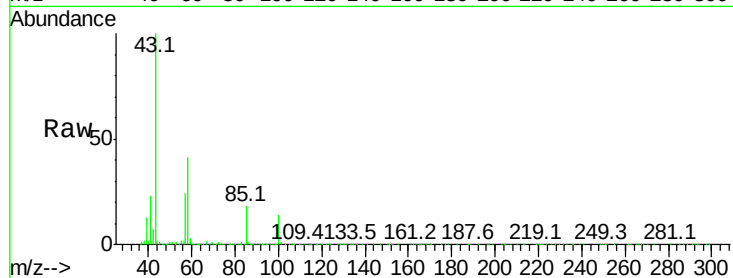




#40
4-Methyl-2-pentanone
Concen: 46.216 ug/L
RT: 9.86 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

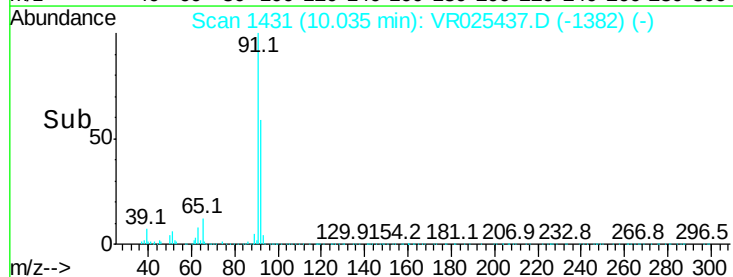
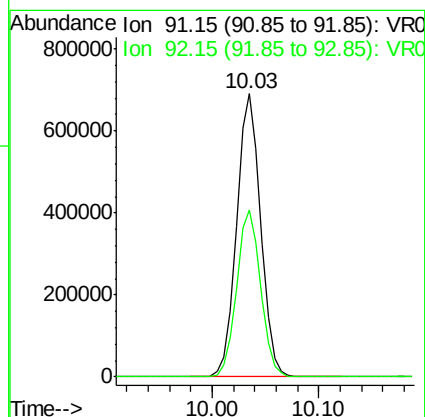
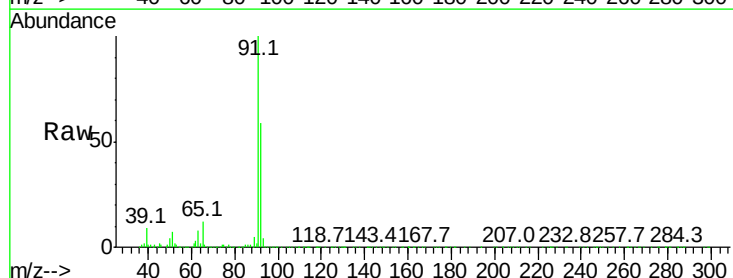
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

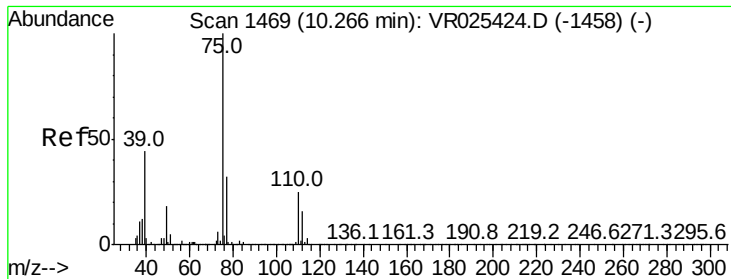
Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	30.3	45.5
100	13.9	10.3	15.5



#42
Toluene
Concen: 4.255 ug/L
RT: 10.03 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	41.9	77.7





#44

trans-1,3-Dichloropropene

Concen: 4.953 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

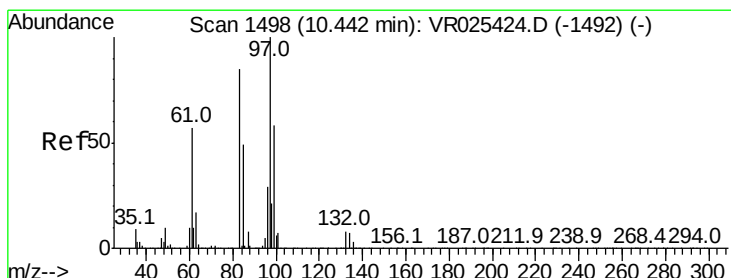
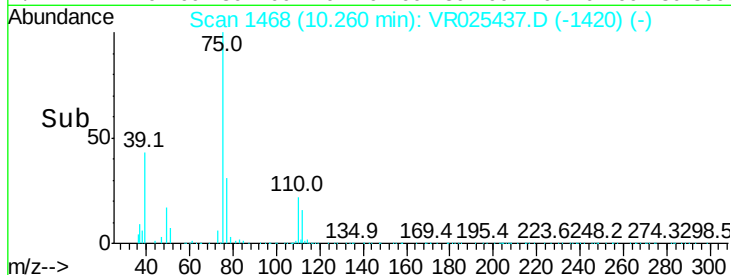
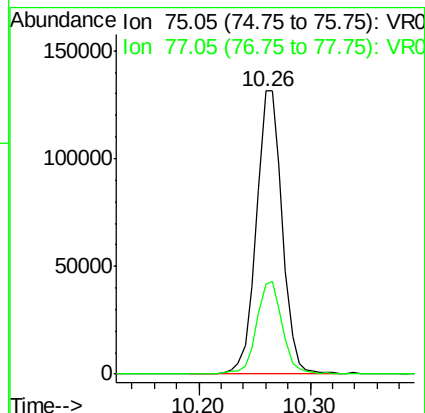
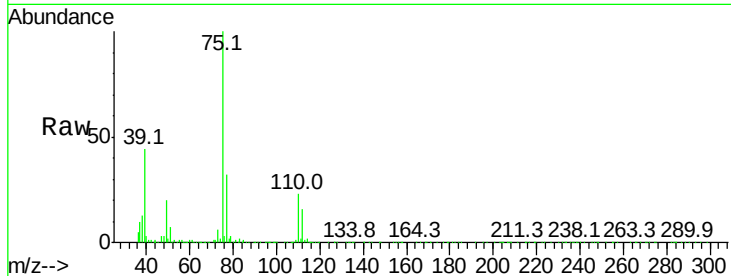
VSTD00583

Tgt Ion: 75 Resp: 213364

Ion Ratio Lower Upper

75 100

77 31.7 20.6 38.4



#45

1,1,2-Trichloroethane

Concen: 4.842 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Tgt Ion: 97 Resp: 119524

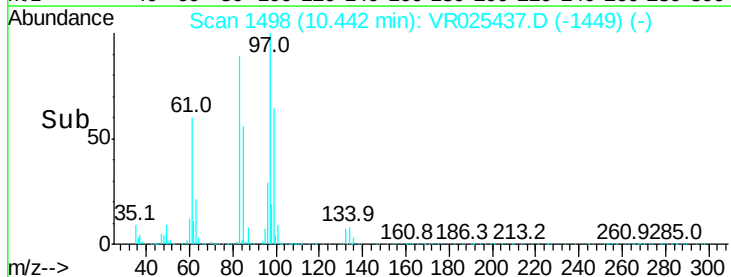
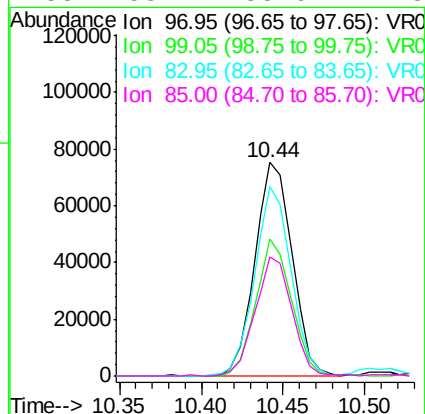
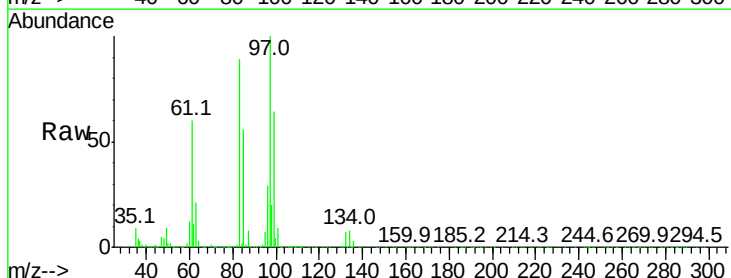
Ion Ratio Lower Upper

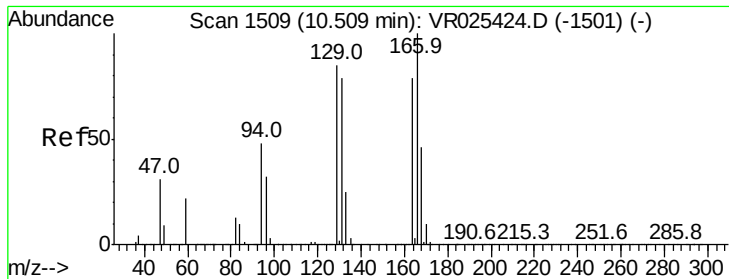
97 100

99 64.2 41.9 77.9

83 88.7 64.5 119.9

85 55.7 38.6 71.8





#47

Tetrachloroethene

Concen: 4.539 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion:164 Resp: 175363

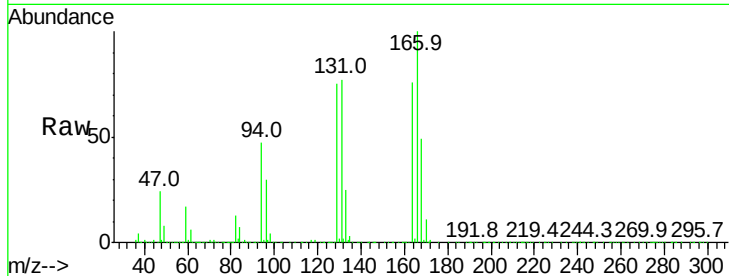
Ion Ratio Lower Upper

164 100

129 99.3 68.1 126.5

131 101.5 68.5 127.1

166 131.6 89.9 166.9

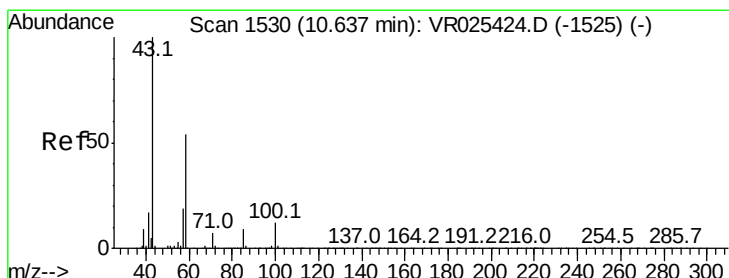
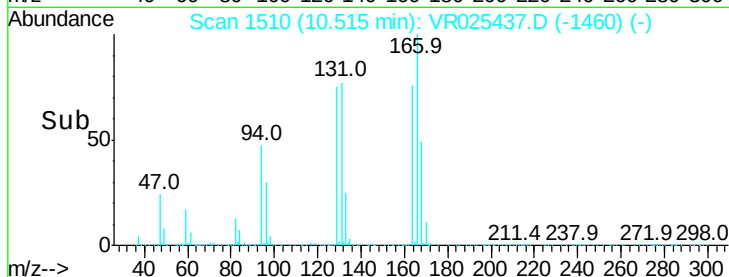
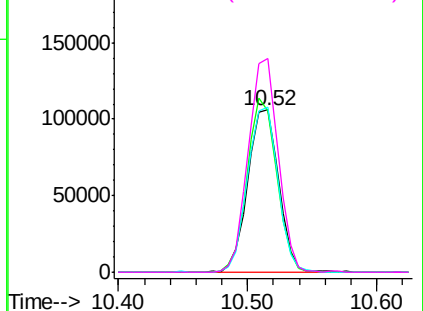


Abundance Ion 163.90 (163.60 to 164.60): V

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: 48.167 ug/L

RT: 10.63 min Scan# 1529

Delta R.T. -0.01 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Tgt Ion: 43 Resp: 528382

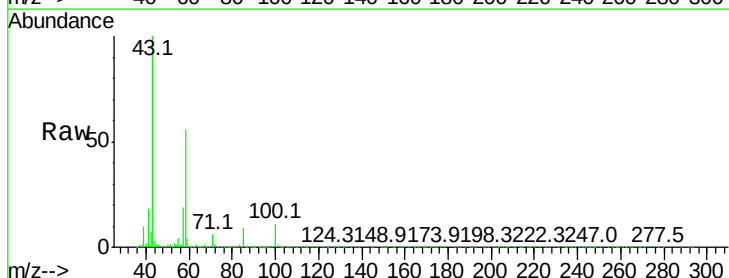
Ion Ratio Lower Upper

43 100

58 56.2 43.1 64.7

57 19.2 15.3 22.9

100 11.7 7.9 11.9

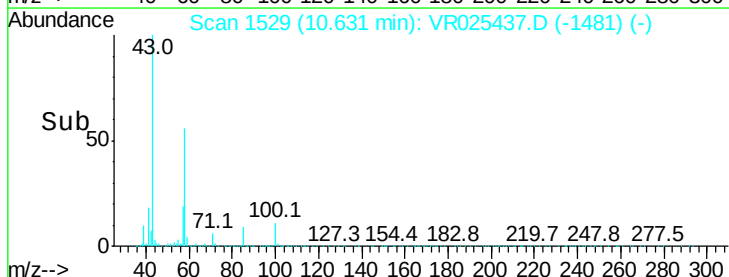
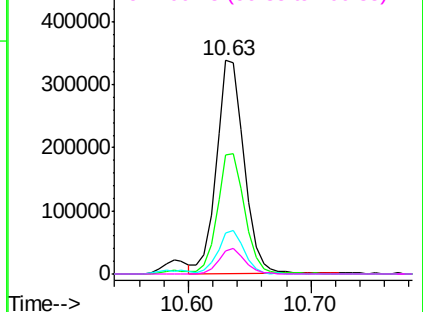


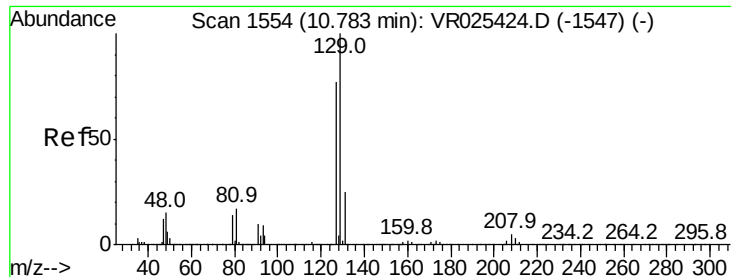
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 5.179 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

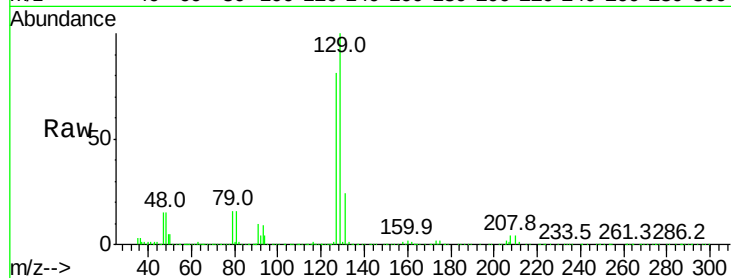
VSTD00583

Tgt Ion:129 Resp: 123090

Ion Ratio Lower Upper

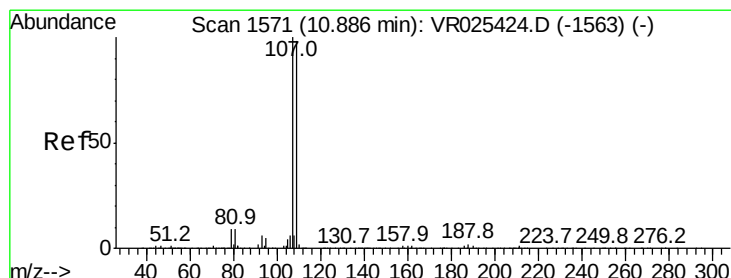
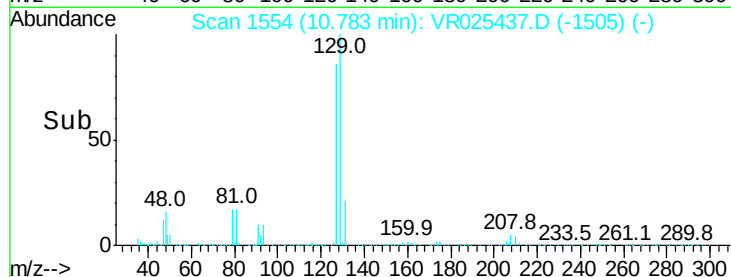
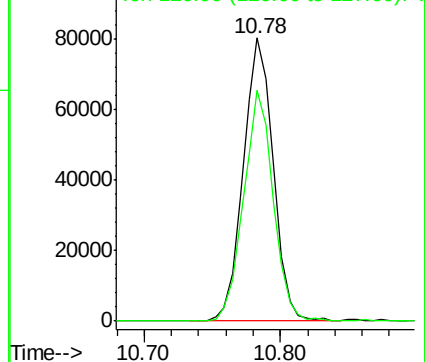
129 100

127 81.4 55.9 103.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 4.807 ug/L

RT: 10.89 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

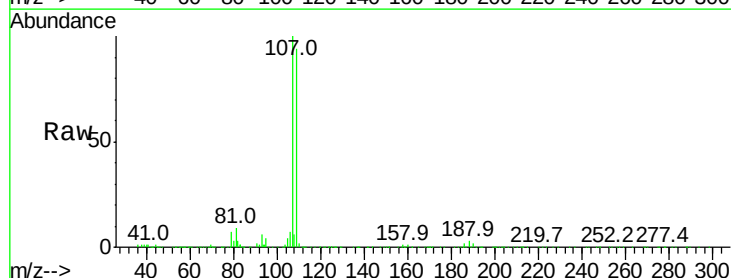
Tgt Ion:107 Resp: 95134

Ion Ratio Lower Upper

107 100

109 94.3 63.1 117.3

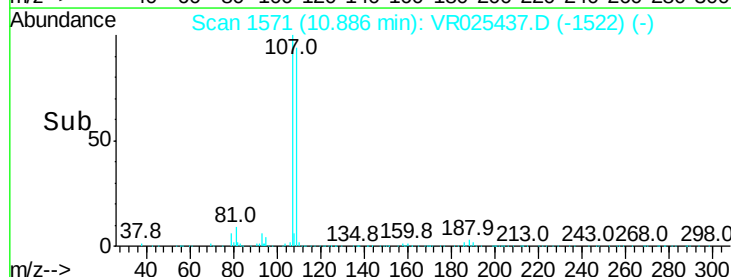
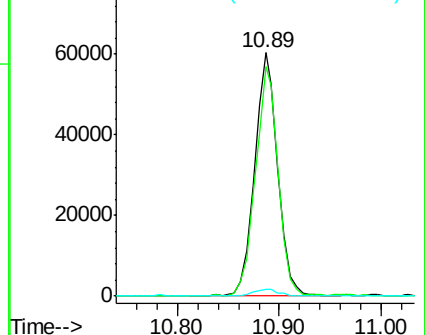
188 2.9 1.8 2.8#

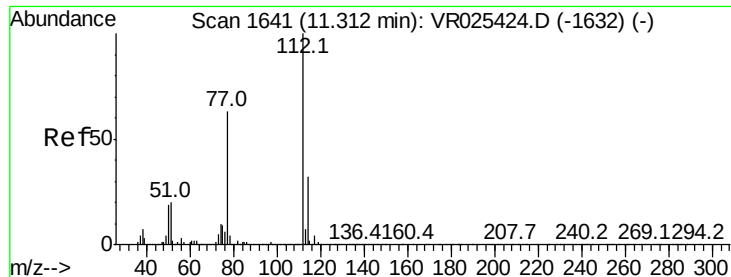


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 4.559 ug/L

RT: 11.31 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

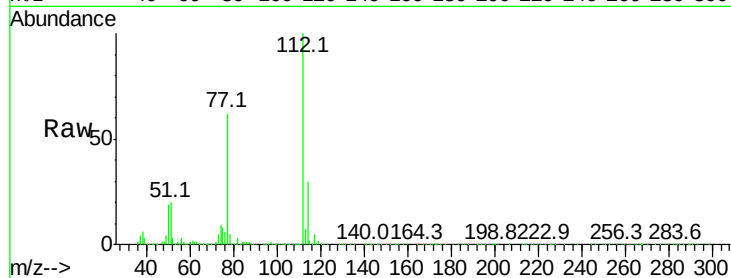
Tgt Ion: 112 Resp: 625928

Ion Ratio Lower Upper

112 100

114 30.2 21.6 40.0

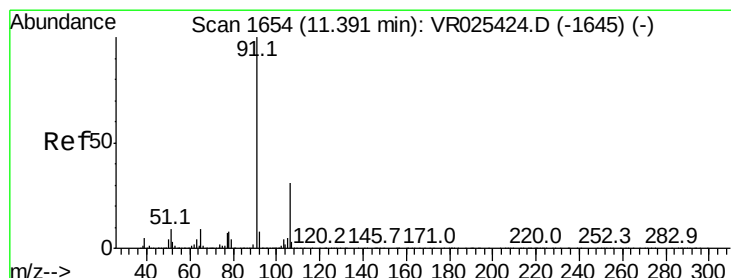
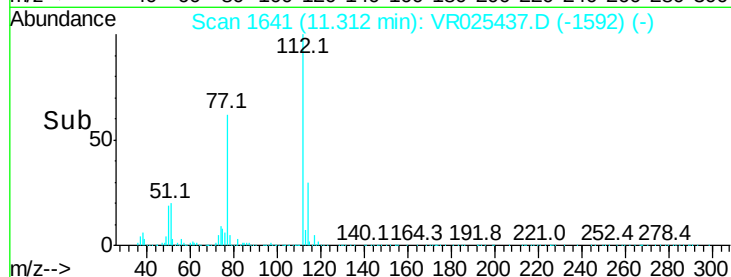
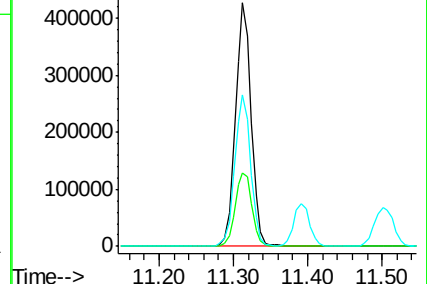
77 62.2 51.9 77.9



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: 4.668 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025437.D

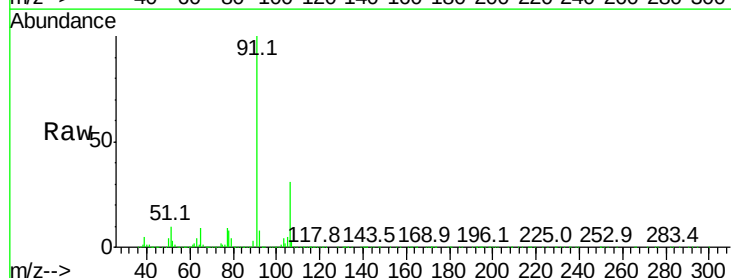
Acq: 5 Jul 2018 13:27

Tgt Ion: 91 Resp: 1187149

Ion Ratio Lower Upper

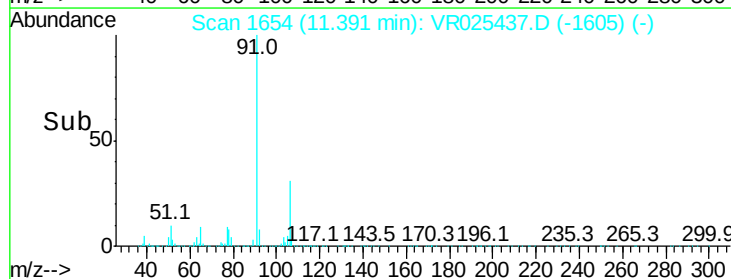
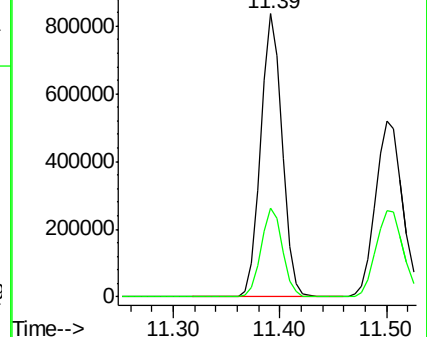
91 100

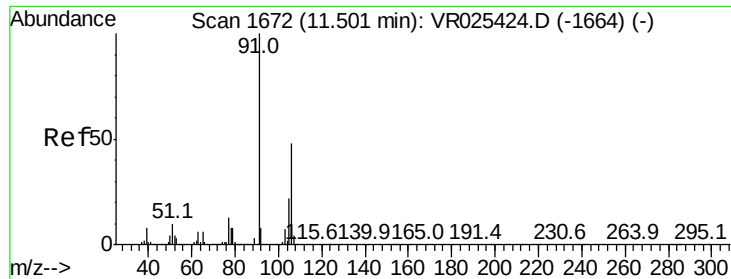
106 31.2 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 4.638 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

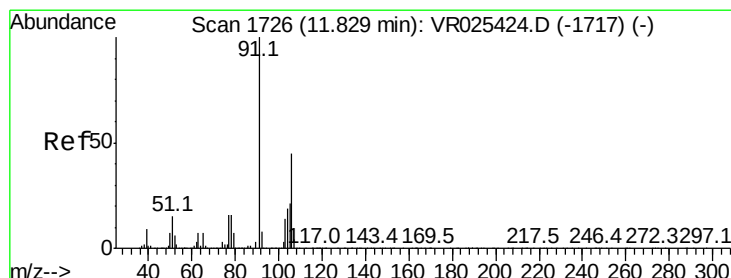
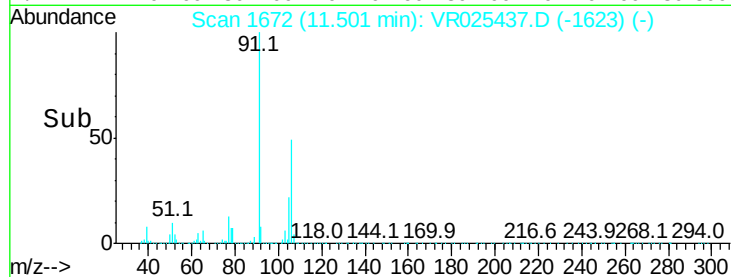
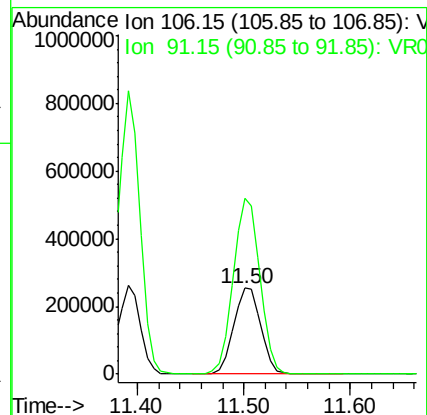
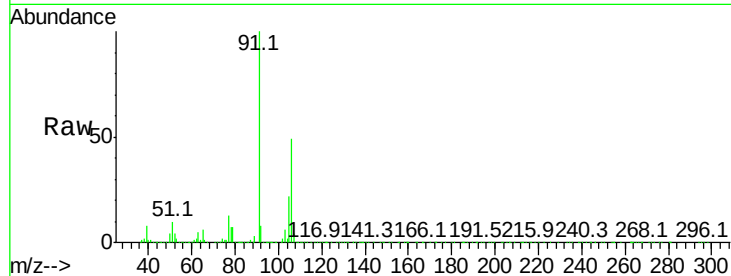
VSTD00583

Tgt Ion:106 Resp: 450325

Ion Ratio Lower Upper

106 100

91 204.2 152.6 283.4



#54

o-Xylene

Concen: 4.602 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VR025437.D

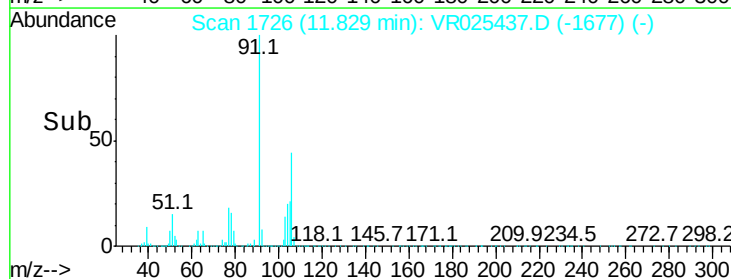
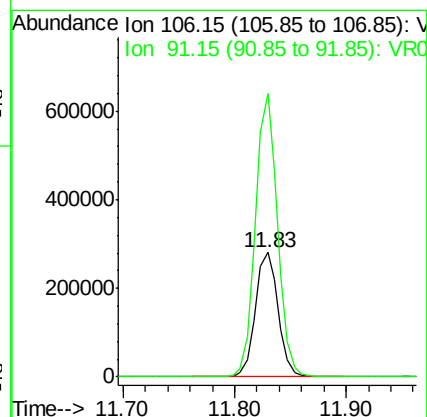
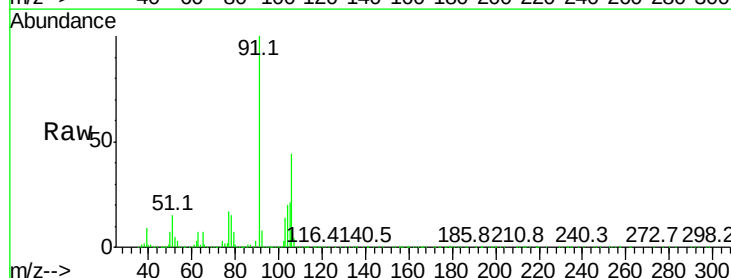
Acq: 5 Jul 2018 13:27

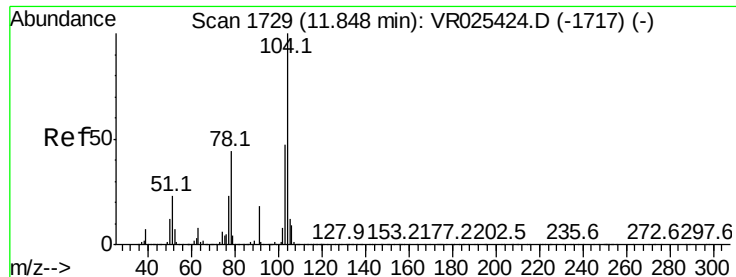
Tgt Ion:106 Resp: 399360

Ion Ratio Lower Upper

106 100

91 228.1 153.7 285.5

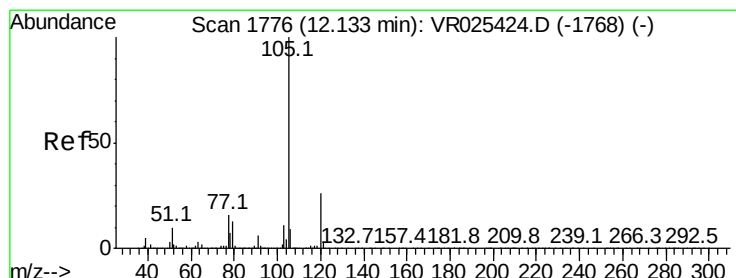
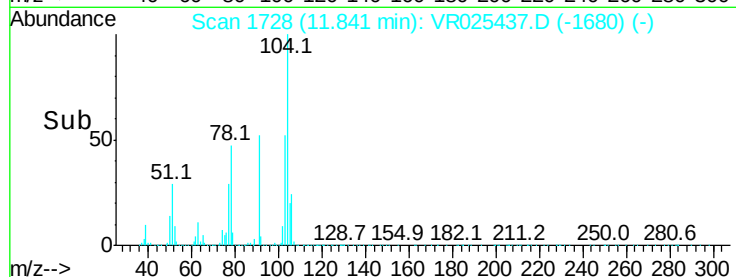
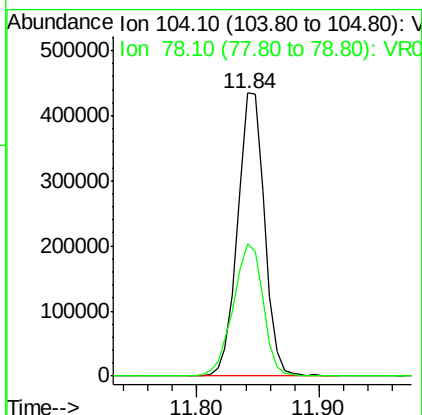
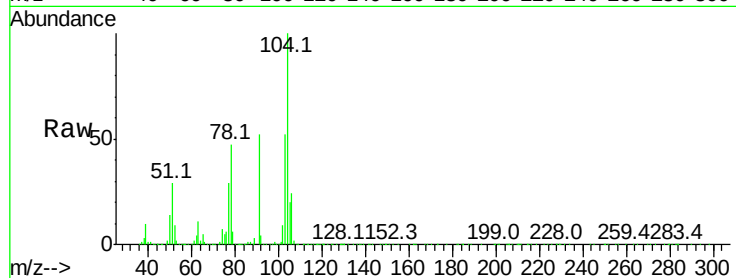




#55
Styrene
Concen: 4.935 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

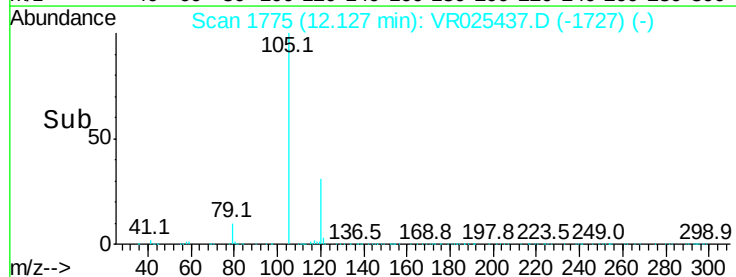
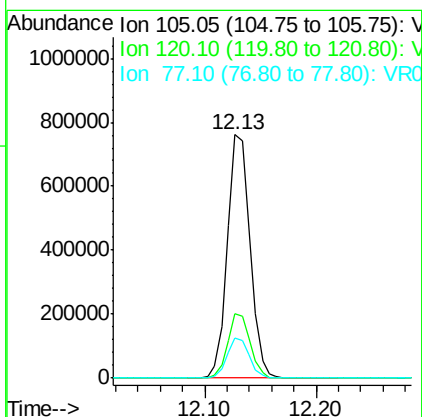
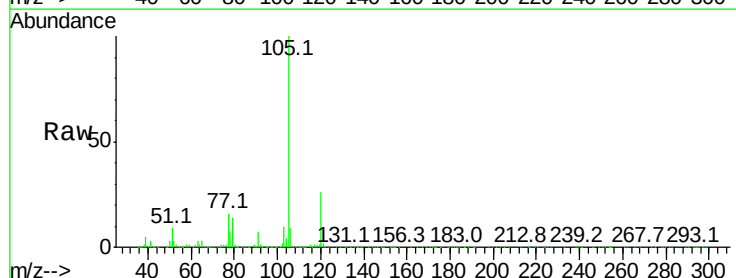
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

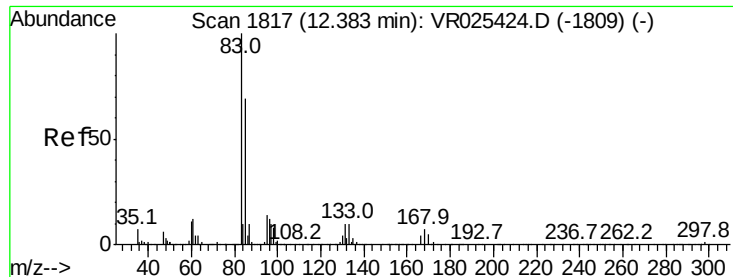
Tgt Ion:104 Resp: 658113
Ion Ratio Lower Upper
104 100
78 46.8 35.4 65.7



#56
Isopropylbenzene
Concen: 4.606 ug/L
RT: 12.13 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion:105 Resp: 1074678
Ion Ratio Lower Upper
105 100
120 26.2 20.2 30.4
77 16.1 13.0 19.6





#58

1,1,2,2-Tetrachloroethane

Concen: 5.086 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampled :

VSTD00583

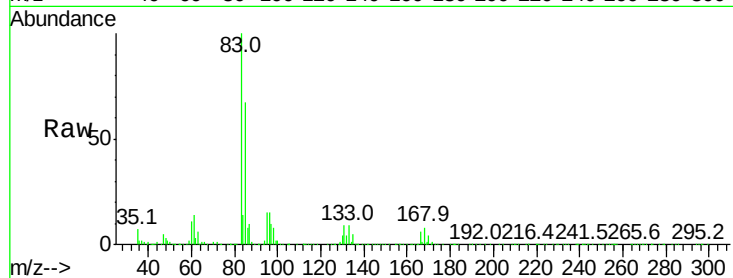
Tgt Ion: 83 Resp: 116275

Ion Ratio Lower Upper

83 100

85 67.0 41.8 77.6

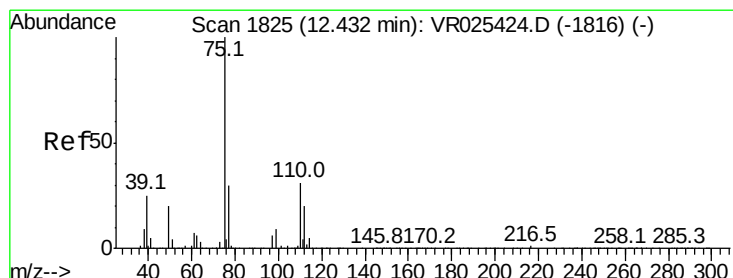
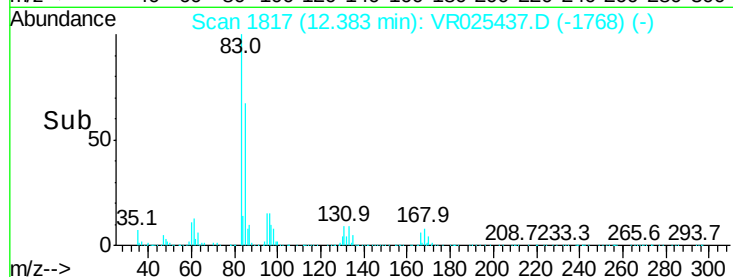
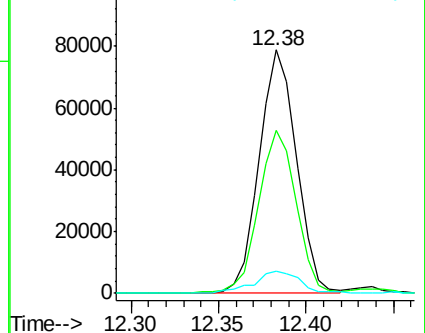
131 8.9 6.1 9.1



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): VR0



#59

1,2,3-Trichloropropane

Concen: 5.088 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VR025437.D

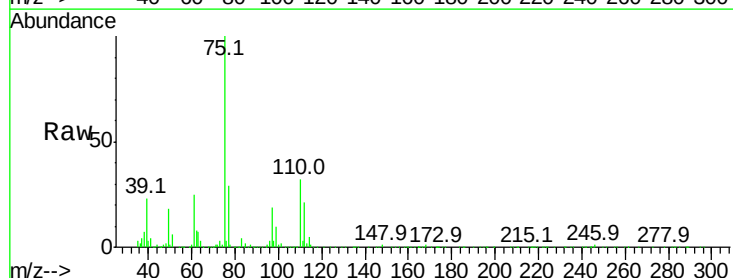
Acq: 5 Jul 2018 13:27

Tgt Ion: 75 Resp: 83955

Ion Ratio Lower Upper

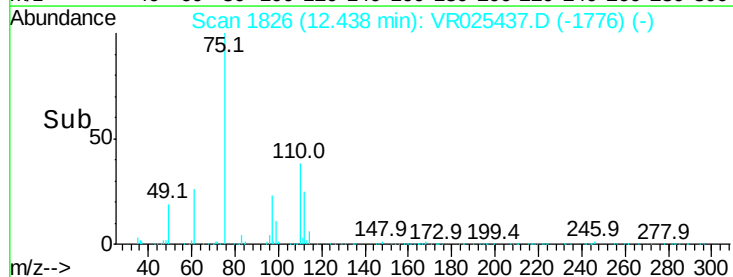
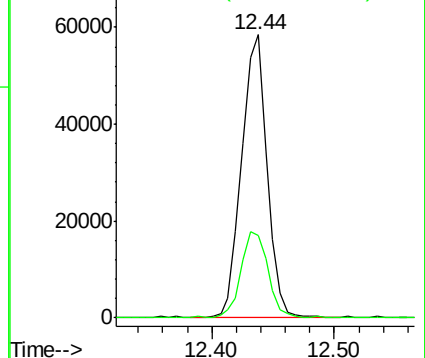
75 100

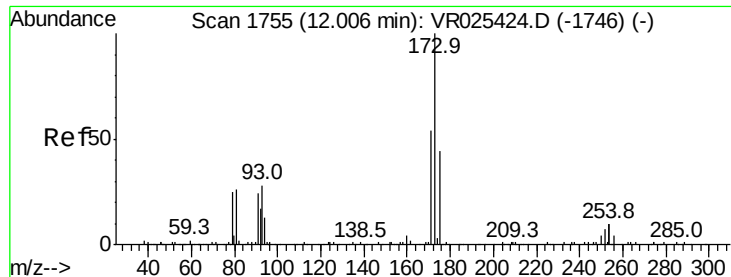
77 32.1 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0





#61

Bromoform

Concen: 5.259 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

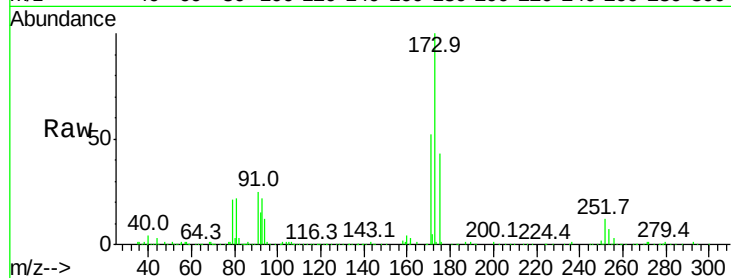
Instrument :

MSVOA_R

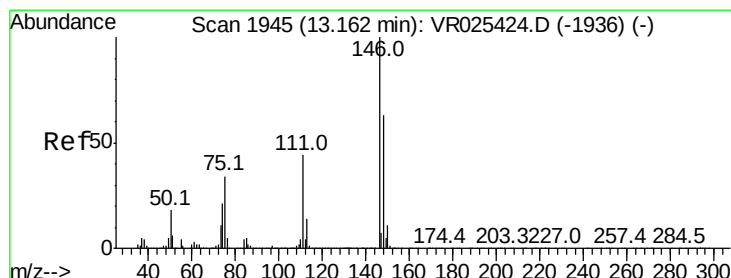
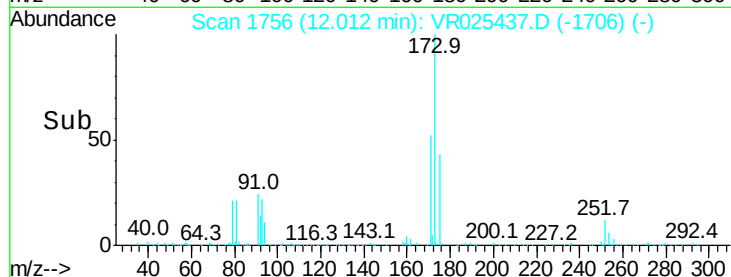
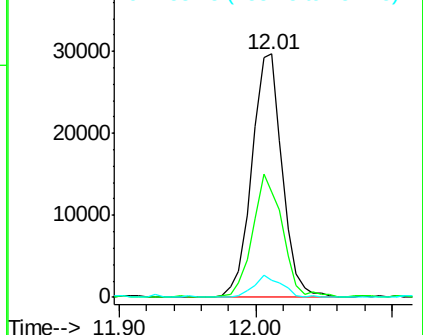
ClientSampleId :

VSTD00583

Tgt Ion:	173	Resp:	46510
Ion Ratio	Lower	Upper	
173	100		
175	49.8	37.5	56.3
254	8.4	8.7	13.1#



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: 4.229 ug/L

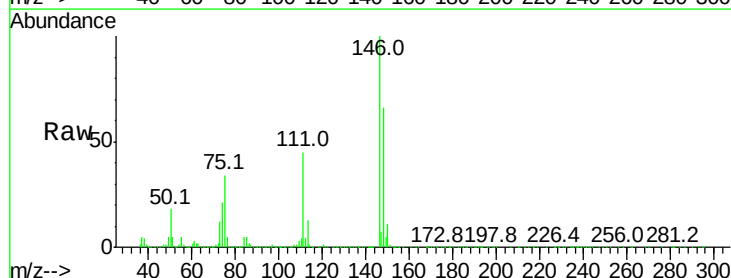
RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

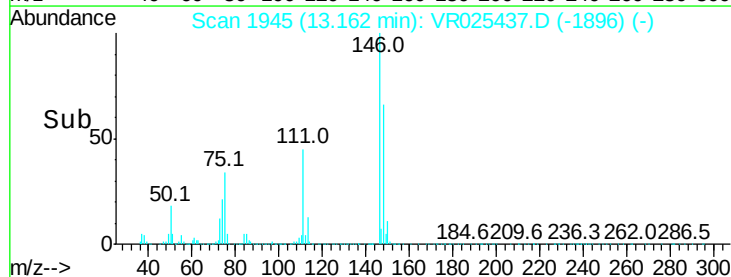
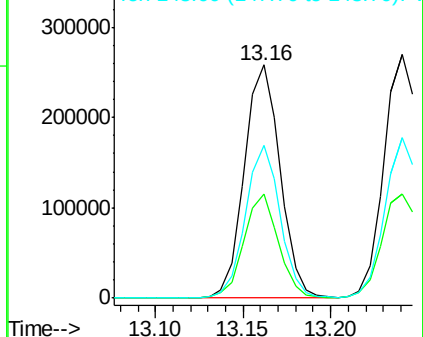
Lab File: VR025437.D

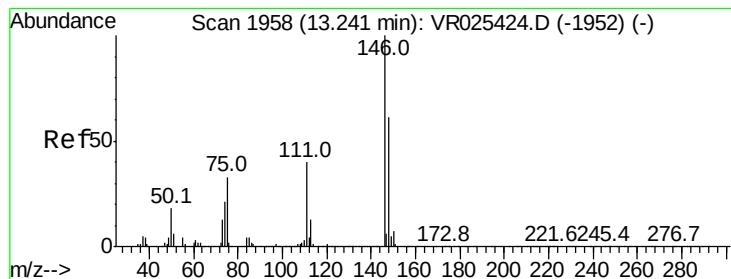
Acq: 5 Jul 2018 13:27

Tgt Ion:	146	Resp:	368023
Ion Ratio	Lower	Upper	
146	100		
111	44.5	31.0	57.6
148	65.8	44.8	83.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 4.477 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

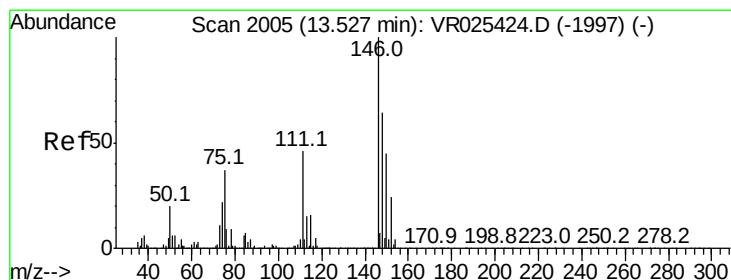
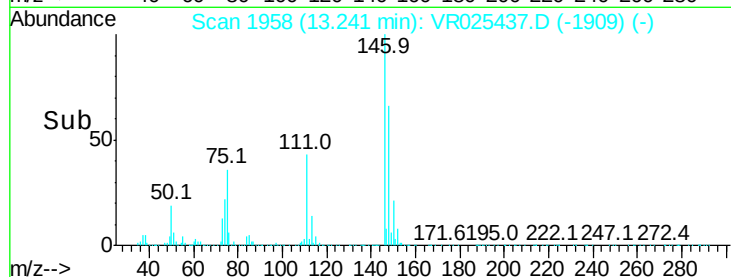
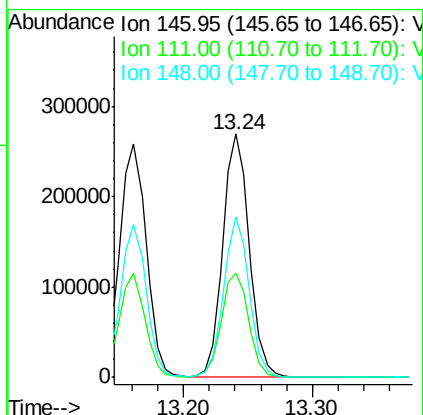
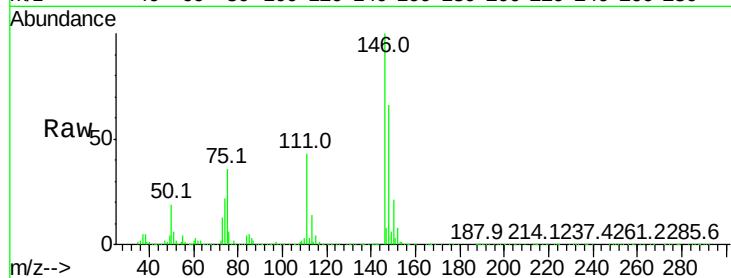
Instrument :

MSVOA_R

ClientSampled :

VSTD00583

Tgt Ion:	146	Resp:	389547
Ion Ratio	Lower	Upper	
146	100		
111	43.0	30.5	56.7
148	65.7	42.8	79.4



#65

1,2-Dichlorobenzene

Concen: 4.535 ug/L

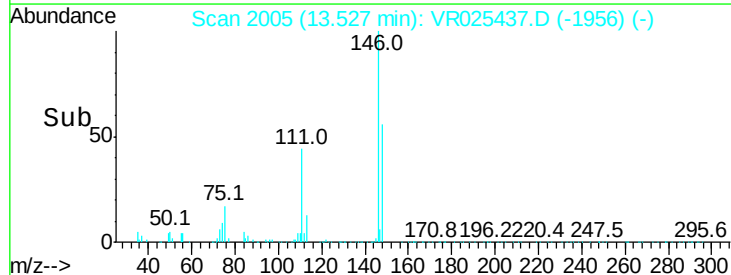
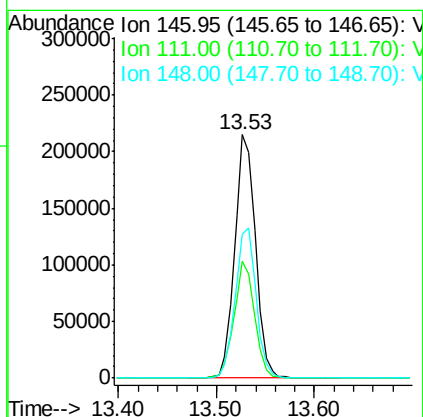
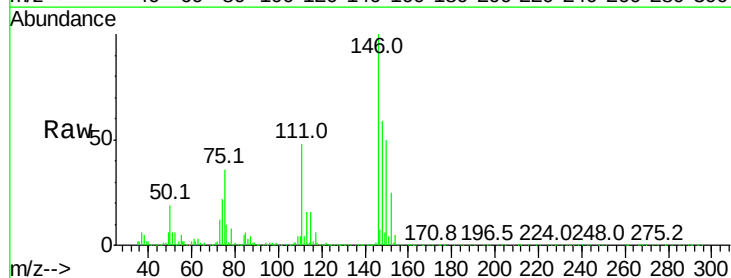
RT: 13.53 min Scan# 2005

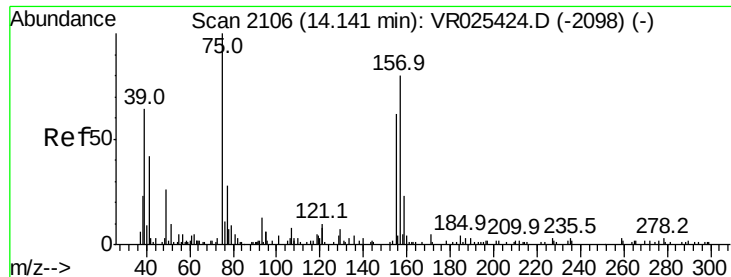
Delta R.T. 0.00 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Tgt Ion:	146	Resp:	316289
Ion Ratio	Lower	Upper	
146	100		
111	47.8	35.8	53.8
148	59.2	50.4	75.6

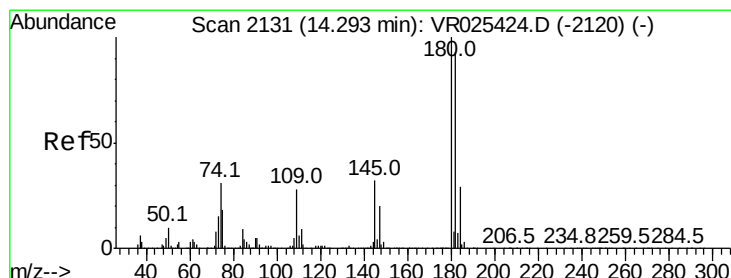
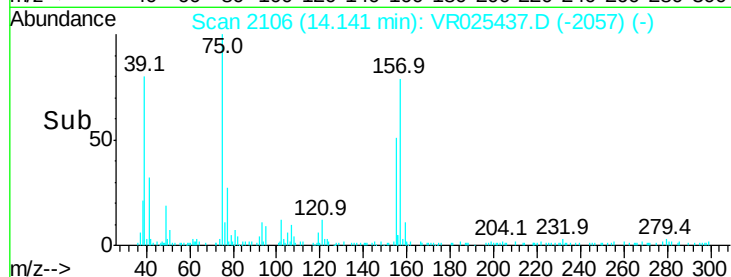
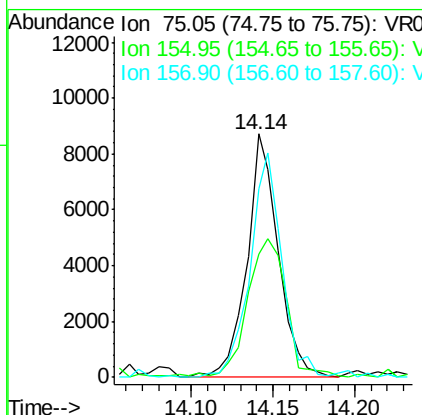
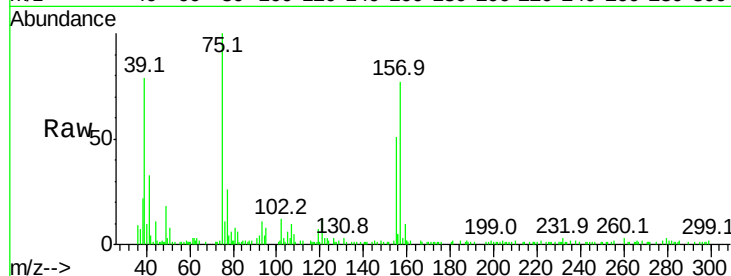




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.253 ug/L
 RT: 14.14 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VR025437.D
 Acq: 5 Jul 2018 13:27

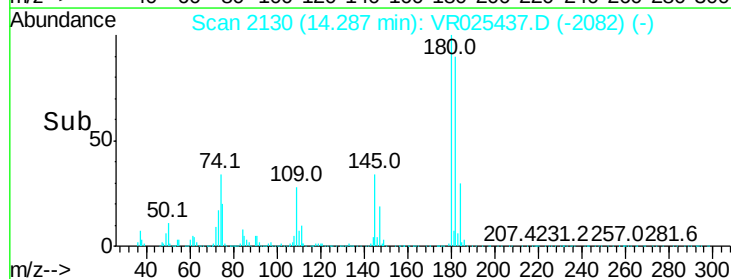
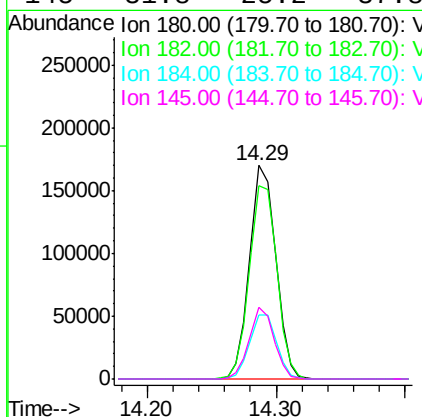
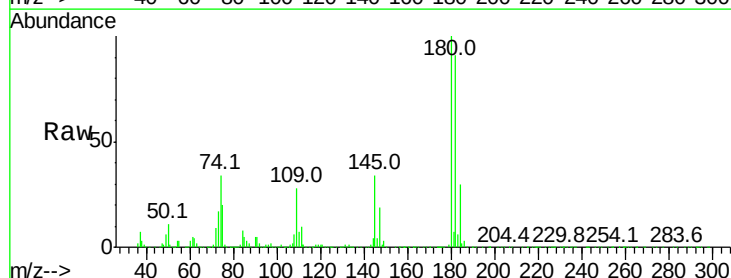
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

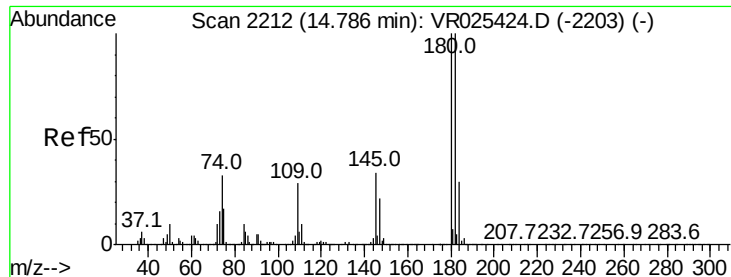
Tgt Ion: 75 Resp: 11720
 Ion Ratio Lower Upper
 75 100
 155 50.6 74.1 111.1#
 157 77.2 71.0 106.6



#67
 1,3,5-Trichlorobenzene
 Concen: 4.142 ug/L
 RT: 14.29 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: VR025437.D
 Acq: 5 Jul 2018 13:27

Tgt Ion: 180 Resp: 238714
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.0 114.0
 184 31.1 24.5 36.7
 145 31.8 25.2 37.8

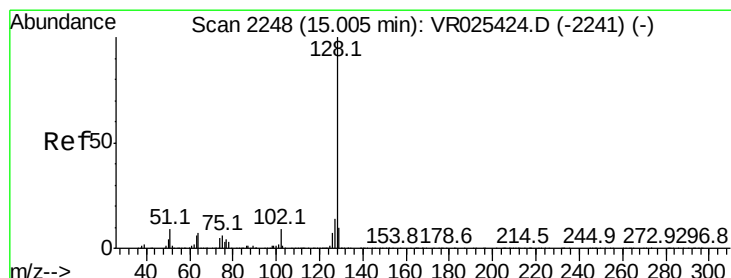
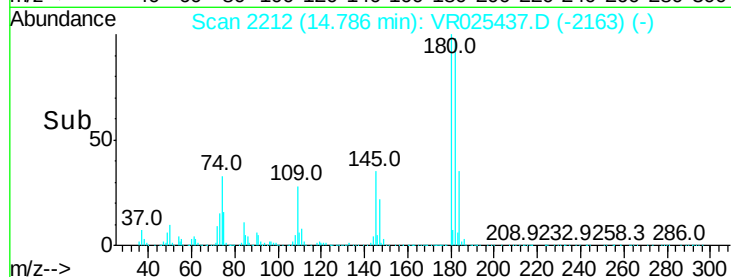
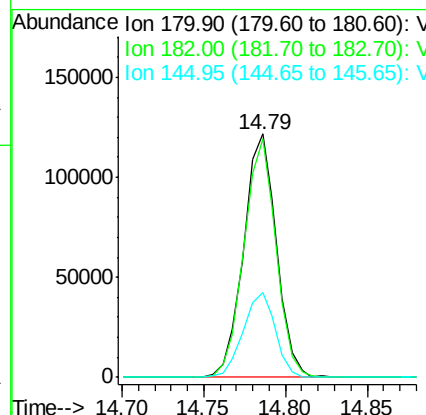
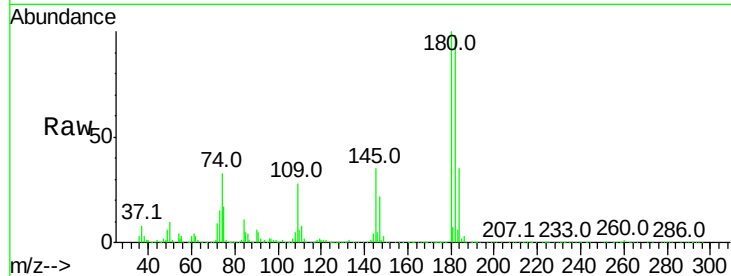




#68
1,2,4-trichlorobenzene
Concen: 4.247 ug/L
RT: 14.79 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

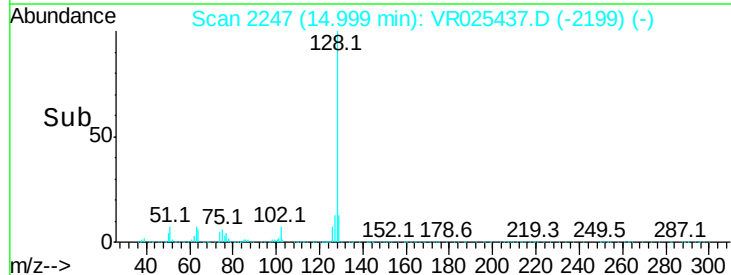
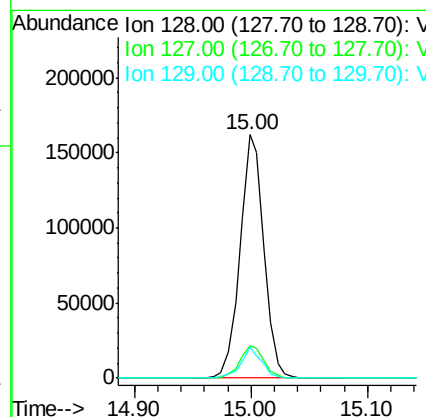
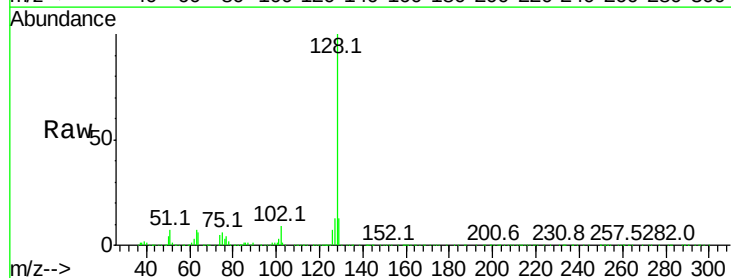
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

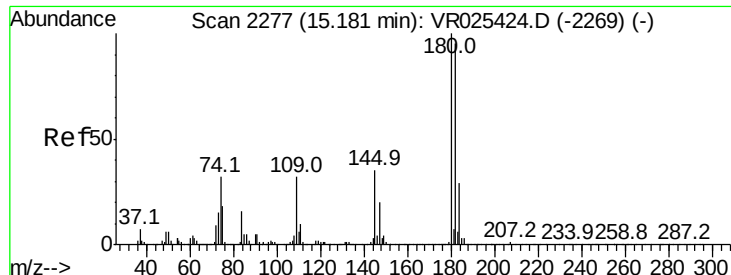
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.0	112.4
145	33.9	27.3	40.9



#69
Naphthalene
Concen: 4.403 ug/L
RT: 15.00 min Scan# 2247
Delta R.T. -0.01 min
Lab File: VR025437.D
Acq: 5 Jul 2018 13:27

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.2	8.6	13.0





#70

1,2,3-Trichlorobenzene

Concen: 4.232 ug/L

RT: 15.18 min Scan# 2276

Delta R.T. -0.01 min

Lab File: VR025437.D

Acq: 5 Jul 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

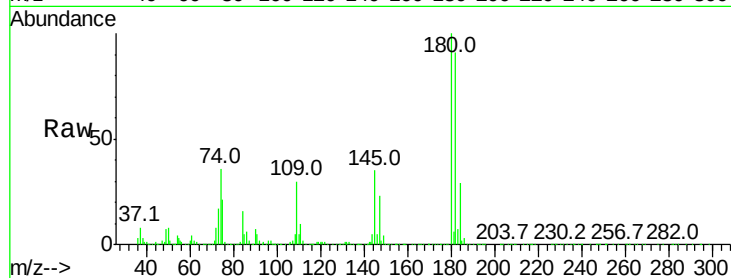
Tgt Ion:180 Resp: 131396

Ion Ratio Lower Upper

180 100

182 92.4 75.2 112.8

145 34.8 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

