

Data File : VR026265.D
Acq On : 17 Dec 2018 15:04
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Dec 17 16:48:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	648554	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	507191	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	179369	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	42475	0.74	ug/L	0.00
7) Chloroethane-d5	2.63	69	39905	0.82	ug/L	0.01
11) 1,1-Dichloroethene-d2	3.61	63	119873	0.86	ug/L	0.00
20) 2-Butanone-d5	6.59	46	32094	7.33	ug/L	0.00
24) Chloroform-d	7.20	84	86745	0.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	30018	0.78	ug/L	0.00
32) Benzene-d6	7.85	84	153591	0.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	40332	0.90	ug/L	0.00
41) Toluene-d8	9.97	98	135231	0.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	9599	0.79	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	15289	5.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	14537	0.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	28825	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	56302	1.263 ug/L	93
3) Chloromethane	2.01	50	70247	1.143 ug/L	99
5) Vinyl chloride	2.16	62	69836	1.149 ug/L	95
6) Bromomethane	2.53	94	50237	1.235 ug/L	83
8) Chloroethane	2.66	64	43306	1.138 ug/L	98
9) Trichlorofluoromethane	2.94	101	100520	1.025 ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	56760	1.059 ug/L	98
12) 1,1-Dichloroethene	3.63	96	60330	1.041 ug/L	93
13) Acetone	3.70	43	42020	10.482 ug/L	67
14) Carbon disulfide	3.93	76	195011	1.334 ug/L	97
15) Methyl Acetate	4.19	43	11267	1.039 ug/L #	79
16) Methylene chloride	4.40	84	54722	1.035 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	48403	0.843 ug/L	96
18) trans-1,2-Dichloroethene	4.89	96	49849	1.016 ug/L	86
19) 1,1-Dichloroethane	5.70	63	98741	1.105 ug/L	99
21) 2-Butanone	6.69	43	42594	8.327 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	43485	0.993 ug/L #	93
23) Bromochloromethane	7.06	128	14930	1.096 ug/L #	85
25) Chloroform	7.23	83	92724	0.940 ug/L	93
27) 1,2-Dichloroethane	7.99	62	40735	1.005 ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	84557	1.204 ug/L	93
30) Cyclohexane	7.52	56	64790	1.074 ug/L	100
31) Carbon tetrachloride	7.63	117	80209	1.275 ug/L	95
33) Benzene	7.91	78	210507	1.146 ug/L	100
34) Trichloroethene	8.71	95	53139	1.113 ug/L	95
35) Methylcyclohexane	8.96	83	67491	1.047 ug/L	96
37) 1,2-Dichloropropane	9.00	63	44293	1.153 ug/L #	96
38) Bromodichloromethane	9.28	83	49232	1.085 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	39656	0.919 ug/L	90
40) 4-Methyl-2-pentanone	9.87	43	89448	8.139 ug/L	98

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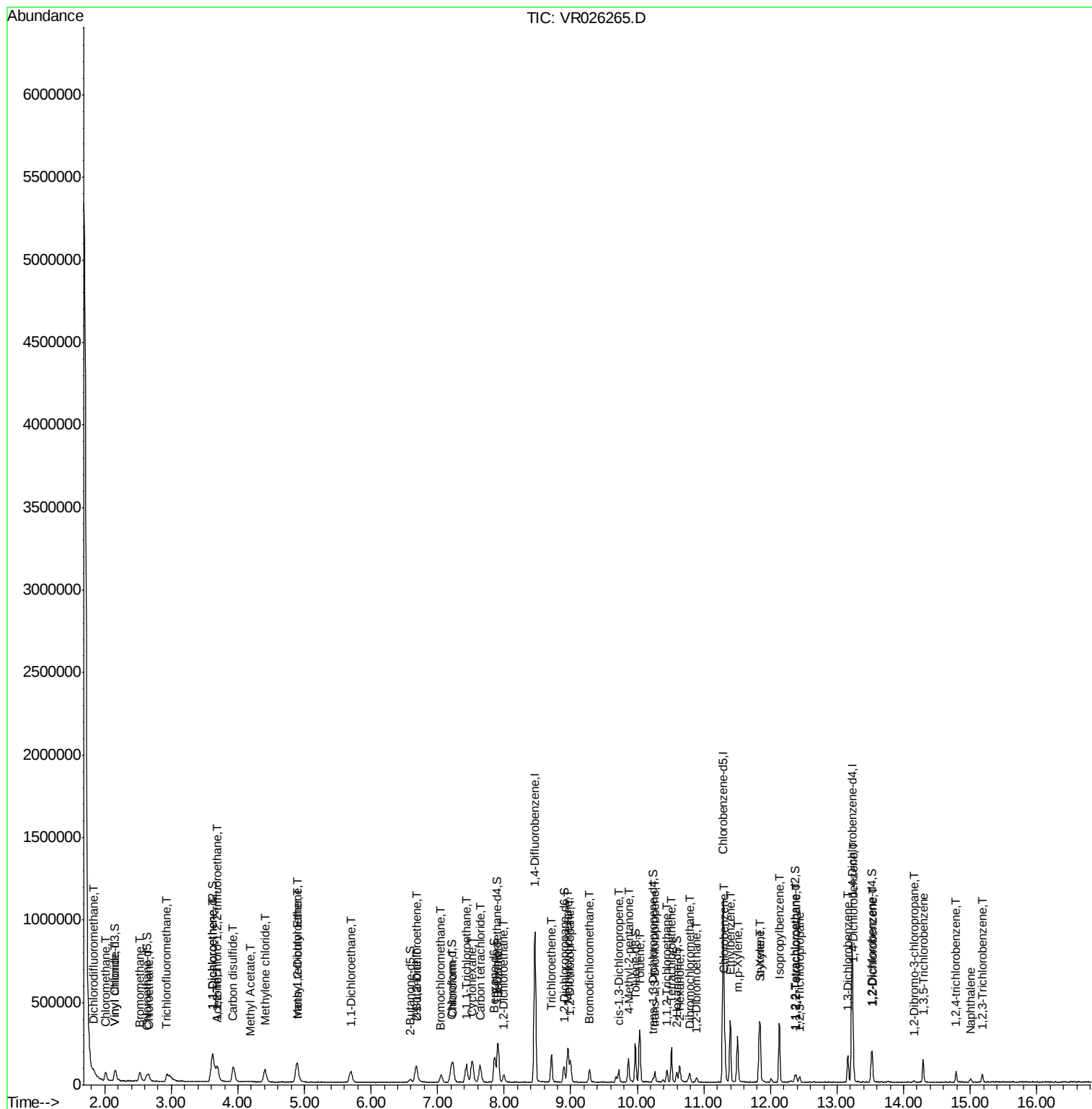
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	199877	1.002	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	28610	0.979	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	19218	1.126	ug/L	94
47) Tetrachloroethene	10.51	164	39054	1.134	ug/L	98
48) 2-Hexanone	10.63	43	58269	7.922	ug/L	97
49) Dibromochloromethane	10.79	129	22264	1.084	ug/L	95
50) 1,2-Dibromoethane	10.89	107	14614	1.020	ug/L	100
51) Chlorobenzene	11.32	112	117015	1.056	ug/L	97
52) Ethylbenzene	11.39	91	220563	1.001	ug/L	98
53) m,p-Xylene	11.51	106	77818	0.970	ug/L	98
54) o-Xylene	11.83	106	65382	0.899	ug/L	95
55) Styrene	11.85	104	98739	0.853	ug/L	95
56) Isopropylbenzene	12.13	105	185202	0.917	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	15396	0.942	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	12980	1.086	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	56321	0.989	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	64624	1.029	ug/L	95
65) 1,2-Dichlorobenzene	13.54	146	49485	1.054	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	2053	1.172	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.30	180	34540	0.971	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	18290	0.926	ug/L	96
69) Naphthalene	15.01	128	12956	0.671	ug/L #	93
70) 1,2,3-Trichlorobenzene	15.18	180	12939	0.883	ug/L	99

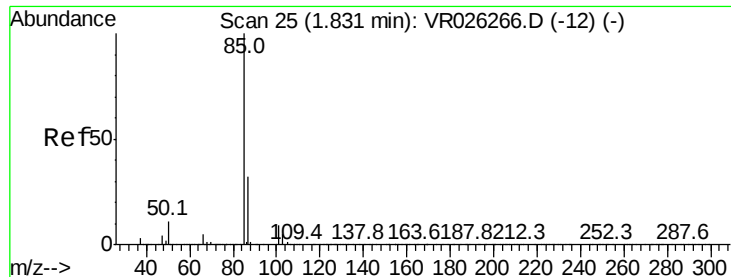
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.263 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

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Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

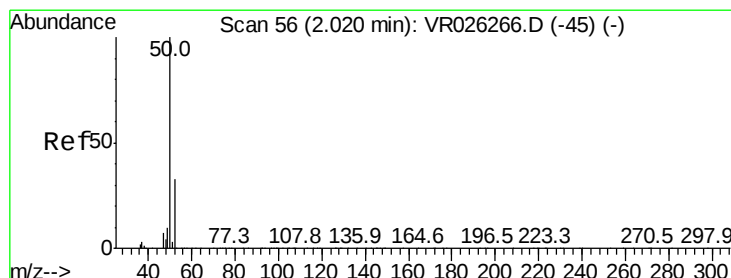
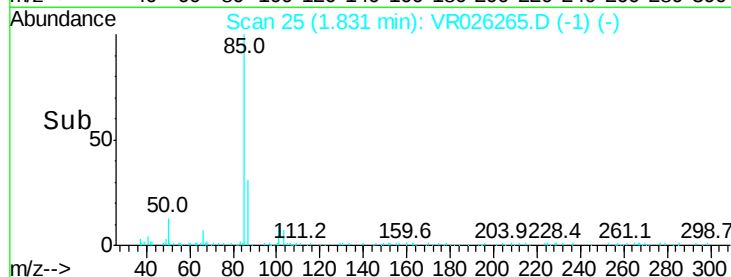
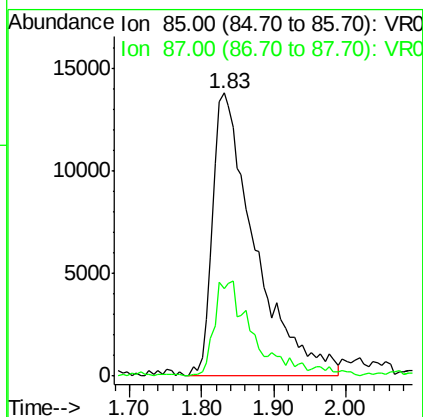
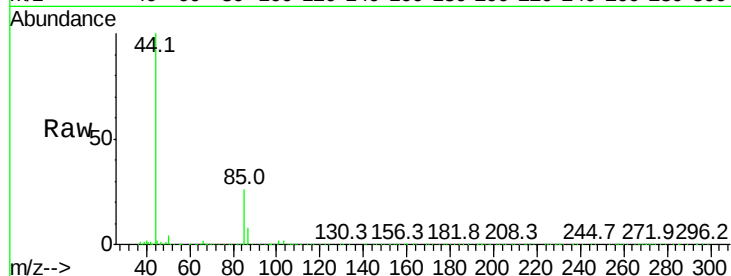
VSTD00182

Tgt Ion: 85 Resp: 56302

Ion Ratio Lower Upper

85 100

87 25.9 23.8 35.6



#3

Chloromethane

Concen: 1.143 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026265.D

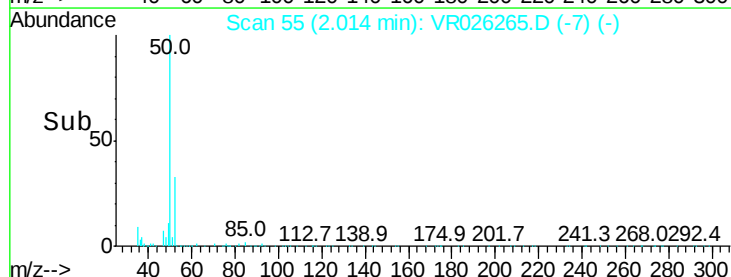
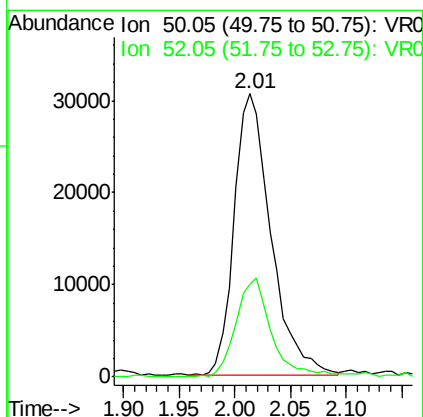
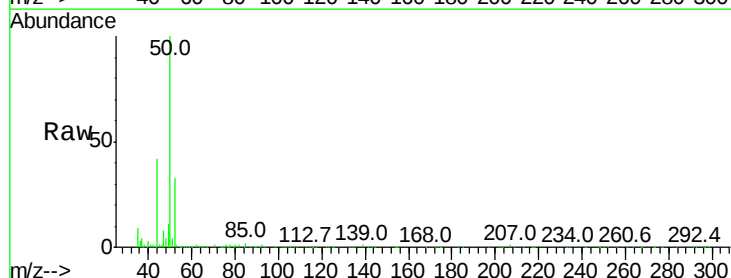
Acq: 17 Dec 2018 15:04

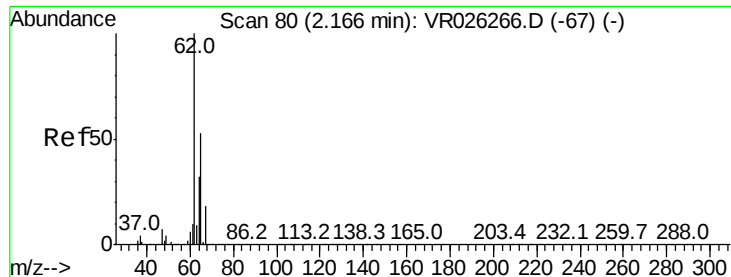
Tgt Ion: 50 Resp: 70247

Ion Ratio Lower Upper

50 100

52 32.9 22.8 42.4





#5

Vinyl chloride

Concen: 1.149 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

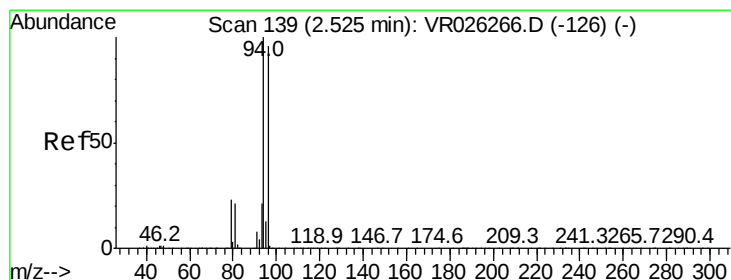
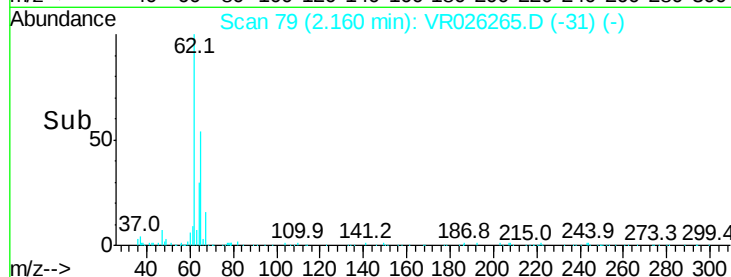
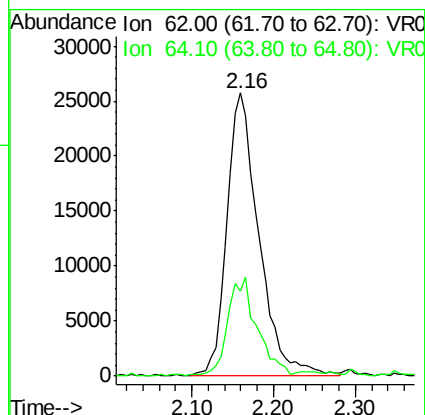
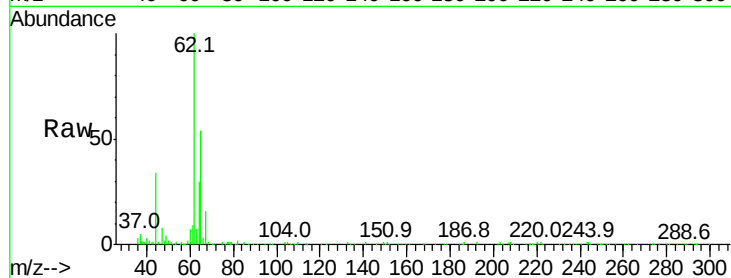
VSTD00182

Tgt Ion: 62 Resp: 69836

Ion Ratio Lower Upper

62 100

64 29.8 22.7 42.1



#6

Bromomethane

Concen: 1.235 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026265.D

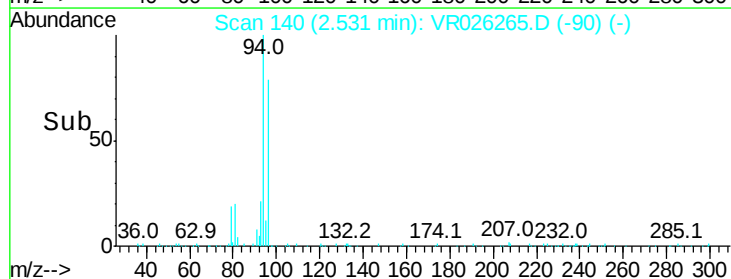
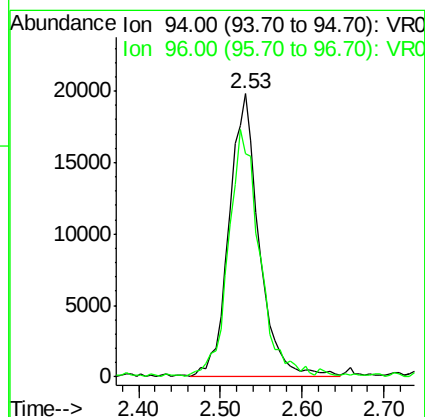
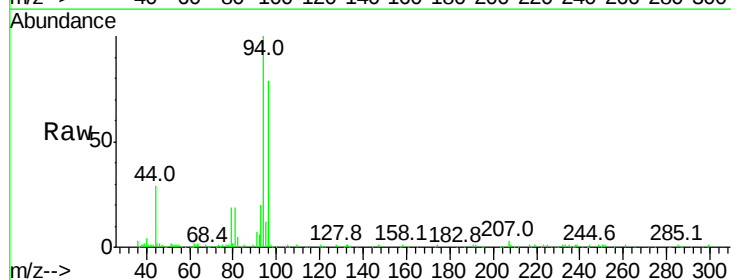
Acq: 17 Dec 2018 15:04

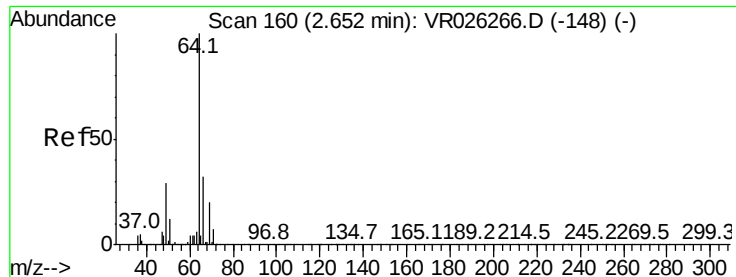
Tgt Ion: 94 Resp: 50237

Ion Ratio Lower Upper

94 100

96 78.9 67.1 124.5





#8

Chloroethane

Concen: 1.138 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

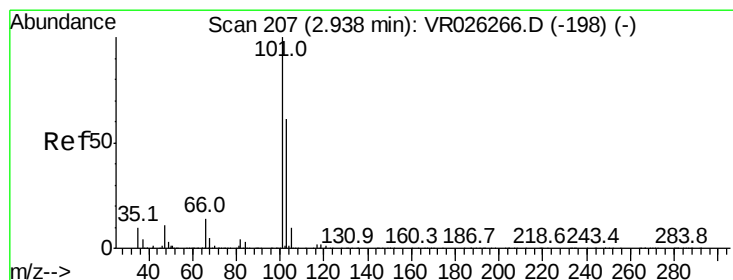
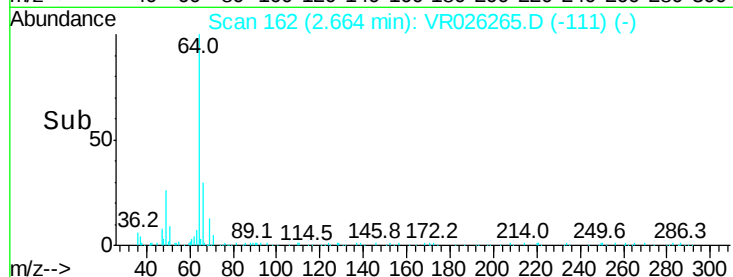
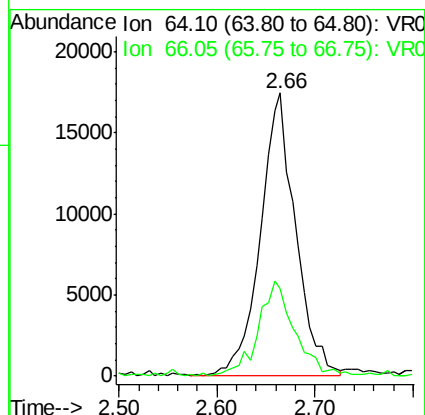
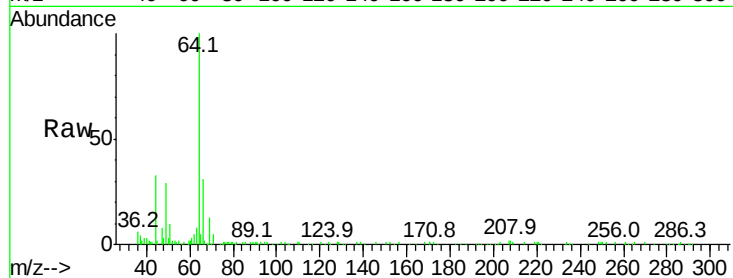
VSTD00182

Tgt Ion: 64 Resp: 43306

Ion Ratio Lower Upper

64 100

66 30.7 22.2 41.2



#9

Trichlorofluoromethane

Concen: 1.025 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026265.D

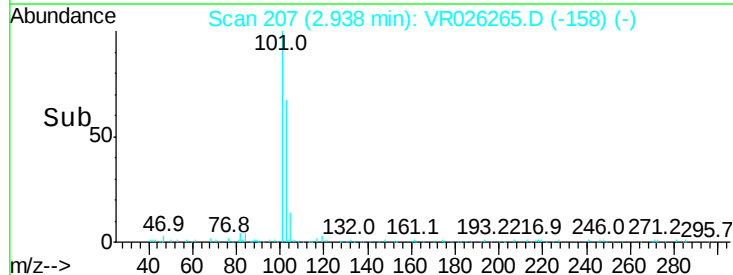
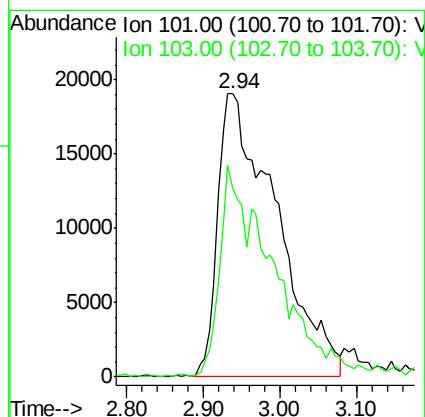
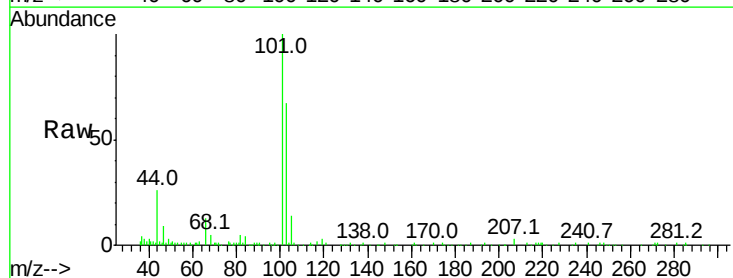
Acq: 17 Dec 2018 15:04

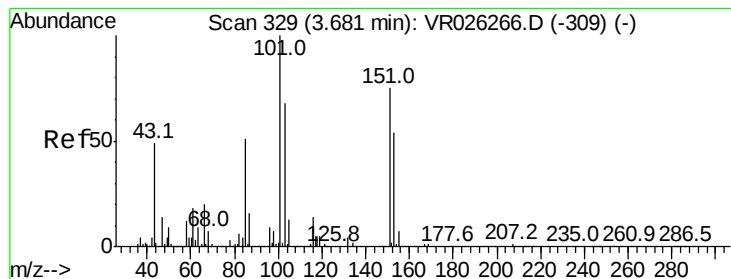
Tgt Ion: 101 Resp: 100520

Ion Ratio Lower Upper

101 100

103 29.9 52.4 78.6#





#10

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

Concen: 1.059 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

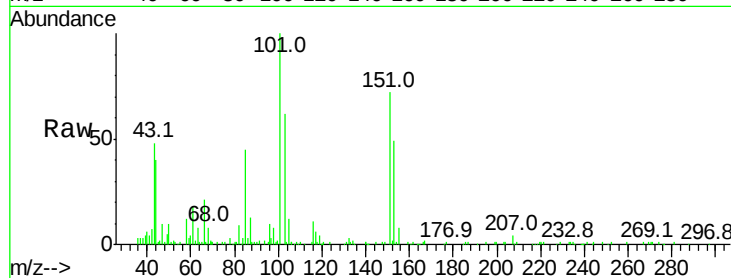
Tgt Ion:101 Resp: 56760

Ion Ratio Lower Upper

101 100

85 48.0 38.2 57.2

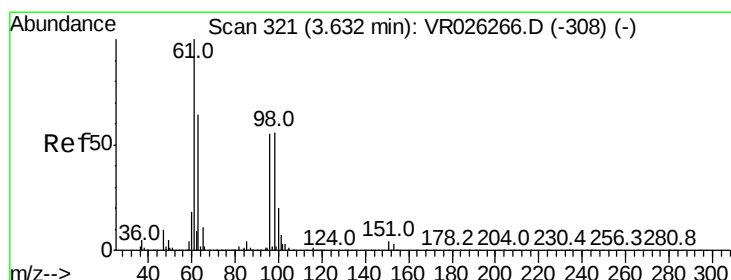
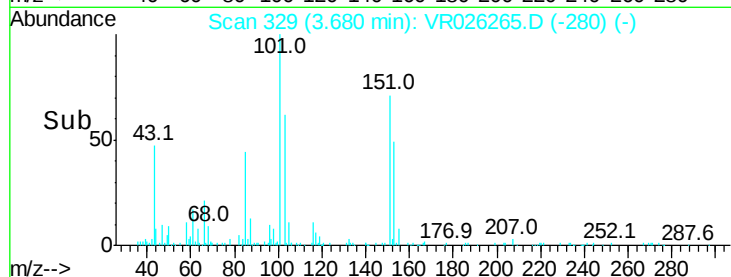
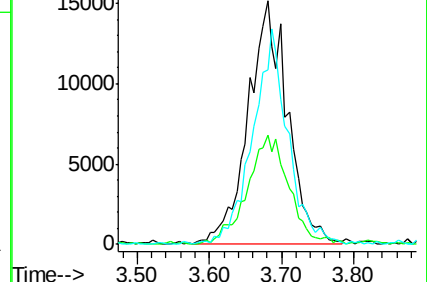
151 79.9 61.7 92.5



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: 1.041 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

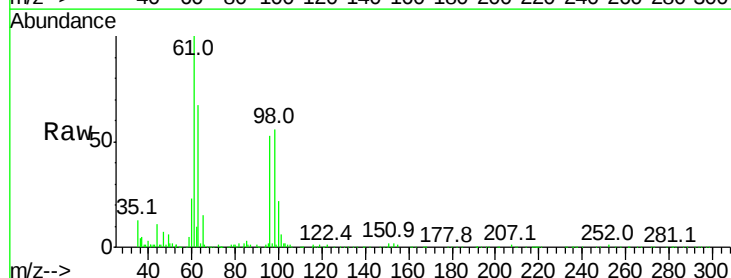
Tgt Ion: 96 Resp: 60330

Ion Ratio Lower Upper

96 100

61 189.2 127.1 236.0

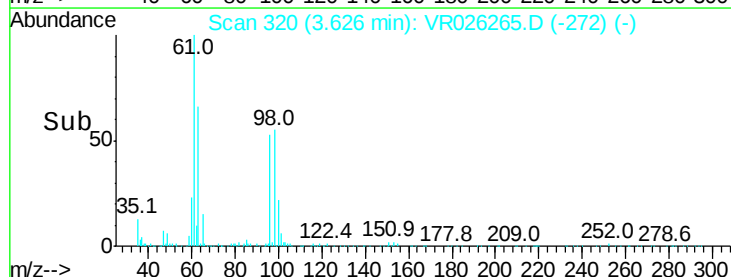
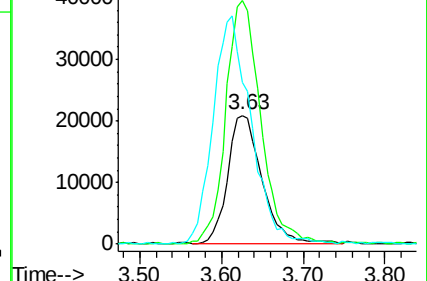
63 126.0 81.5 151.5

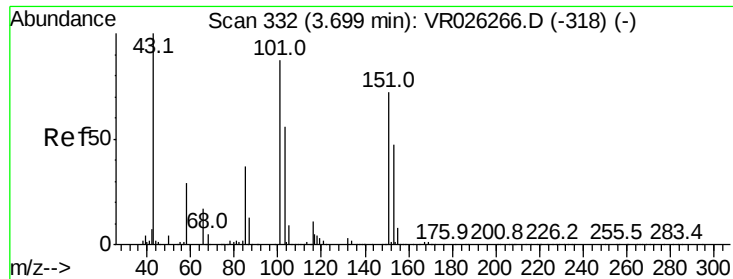


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 10.482 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

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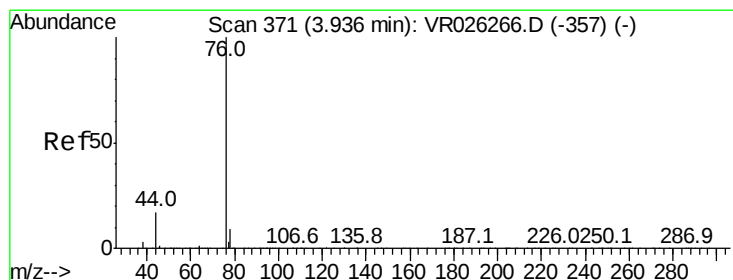
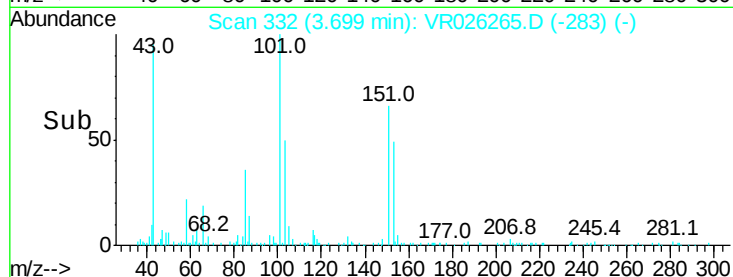
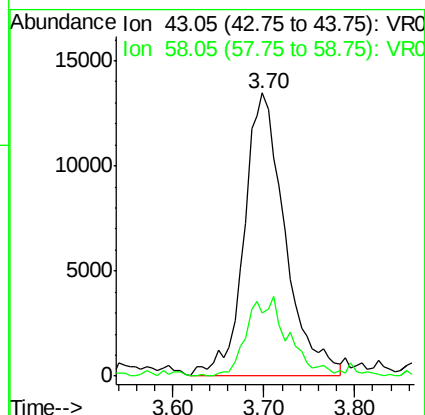
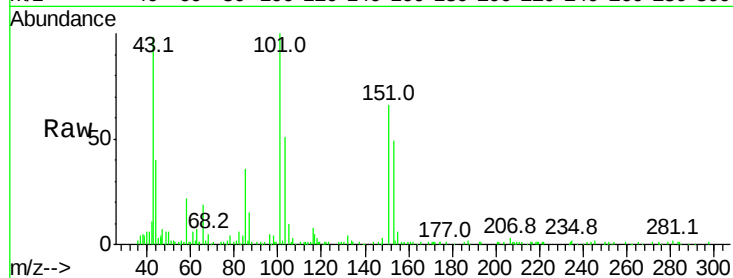
VSTD00182

Tgt Ion: 43 Resp: 42020

Ion Ratio Lower Upper

43 100

58 12.4 0.0 60.8



#14

Carbon disulfide

Concen: 1.334 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.01 min

Lab File: VR026265.D

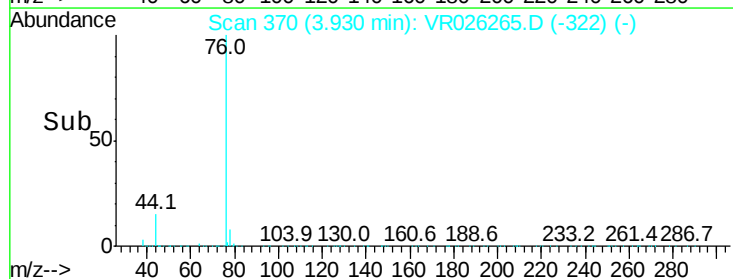
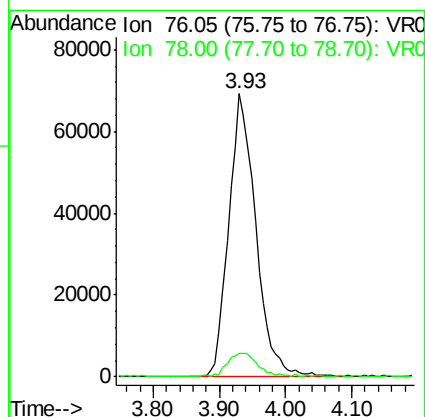
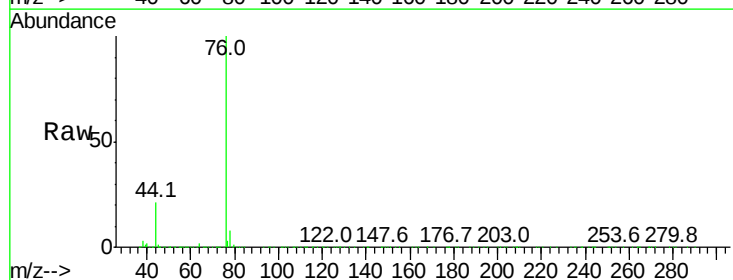
Acq: 17 Dec 2018 15:04

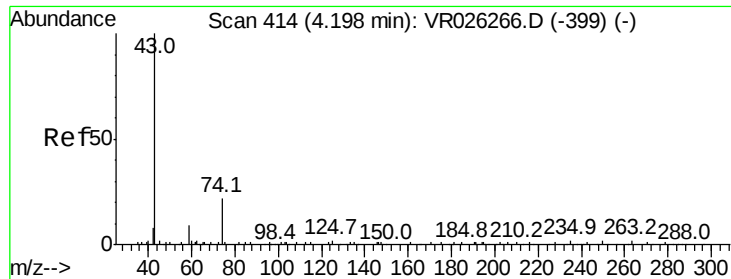
Tgt Ion: 76 Resp: 195011

Ion Ratio Lower Upper

76 100

78 8.5 7.6 11.4

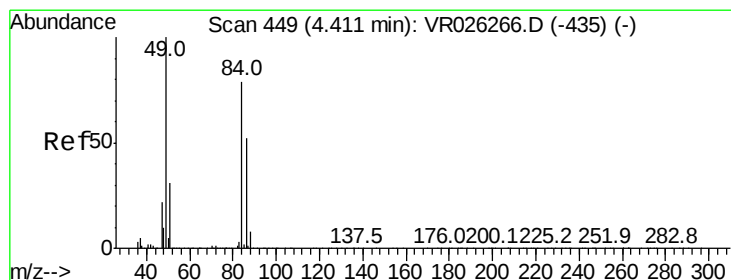
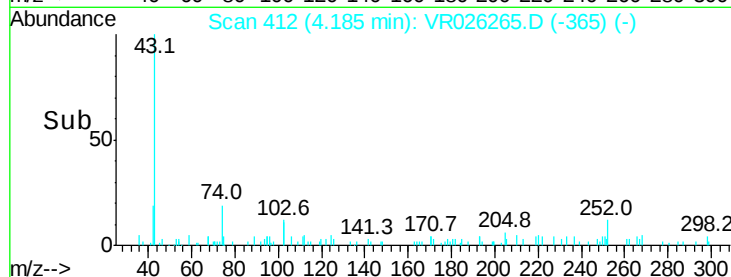
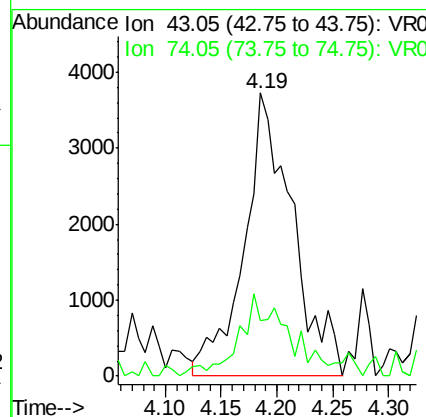
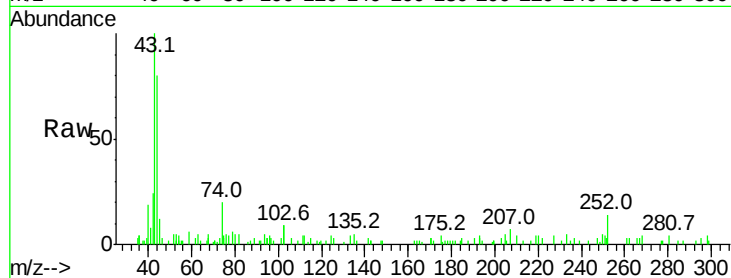




#15
Methyl Acetate
Concen: 1.039 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

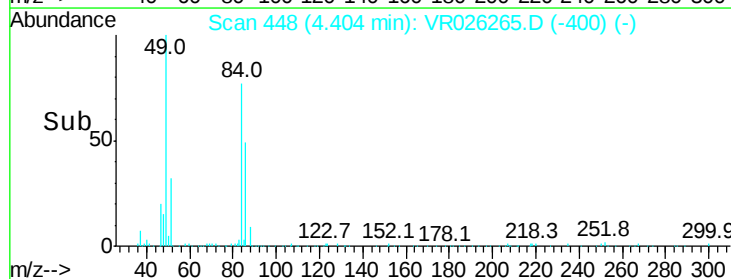
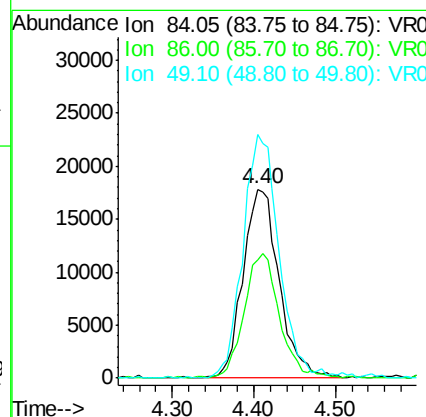
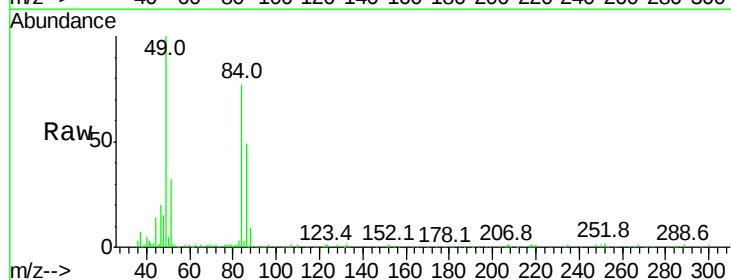
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

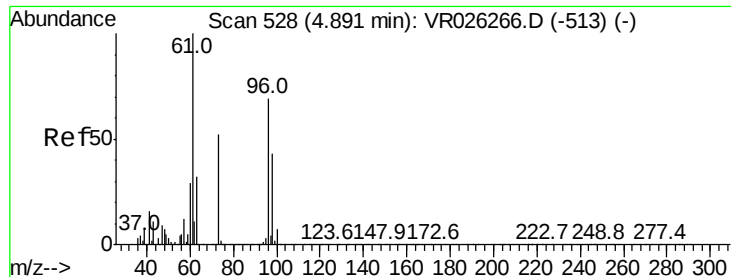
Tgt Ion: 43 Resp: 11267
Ion Ratio Lower Upper
43 100
74 12.6 18.4 27.6#



#16
Methylene chloride
Concen: 1.035 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion: 84 Resp: 54722
Ion Ratio Lower Upper
84 100
86 62.9 45.8 85.0
49 129.1 88.7 164.7

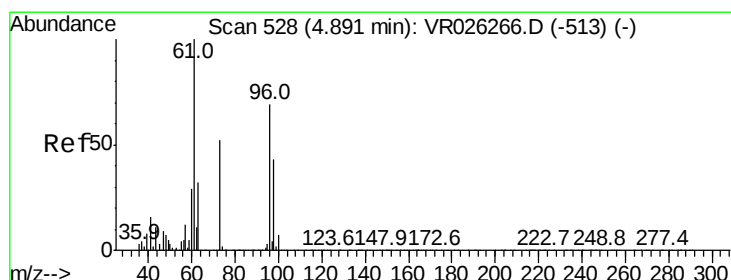
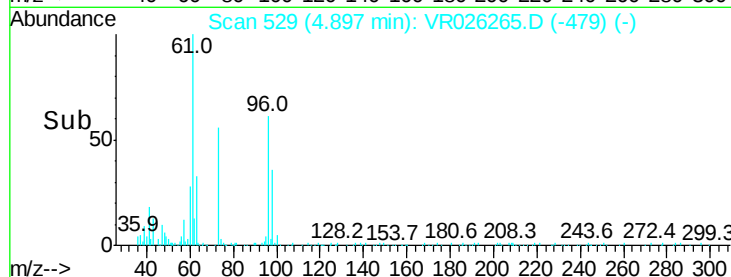
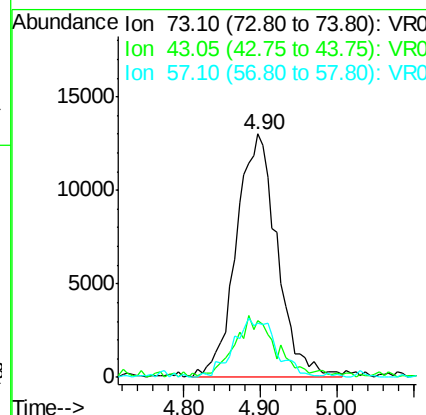
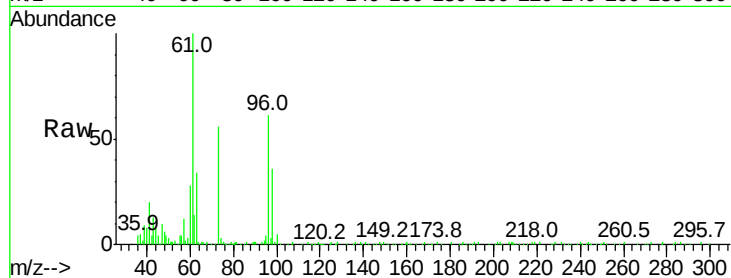




#17
Methyl tert-butyl Ether
Concen: 0.843 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

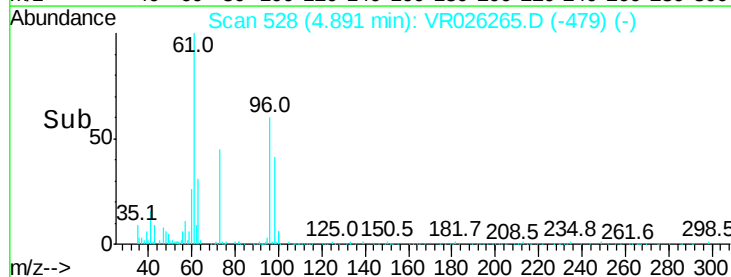
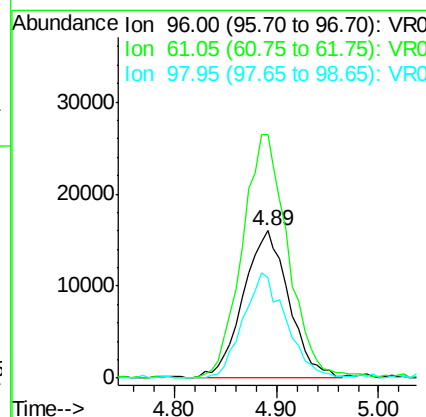
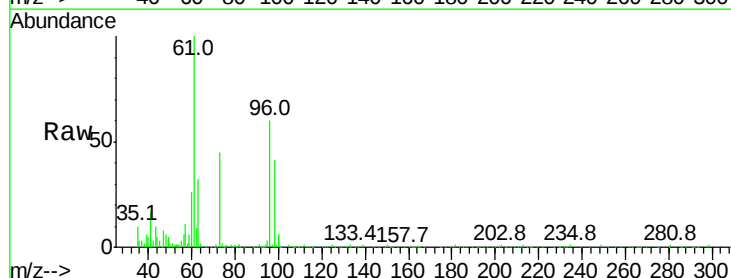
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

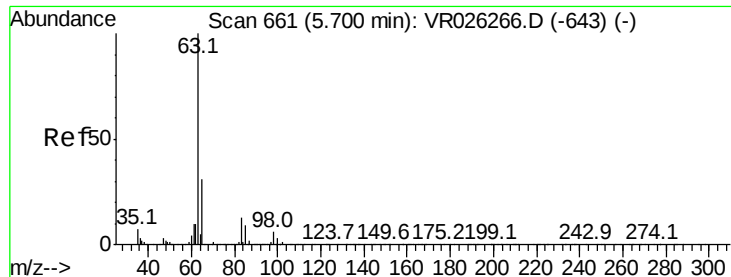
Tgt Ion: 73 Resp: 48403
Ion Ratio Lower Upper
73 100
43 25.0 18.7 28.1
57 24.9 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 1.016 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion: 96 Resp: 49849
Ion Ratio Lower Upper
96 100
61 165.5 101.4 188.4
98 68.4 43.3 80.5

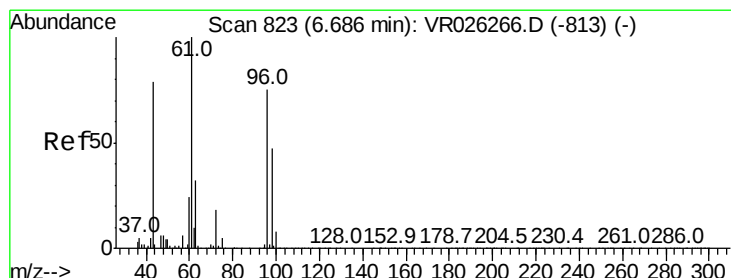
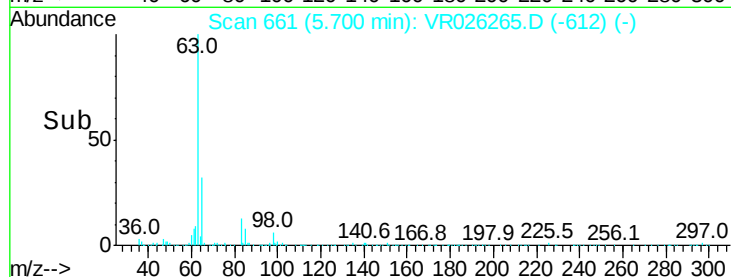
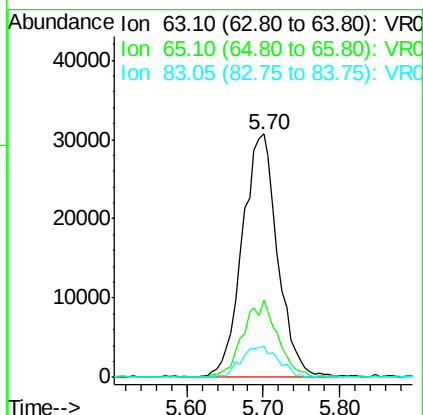
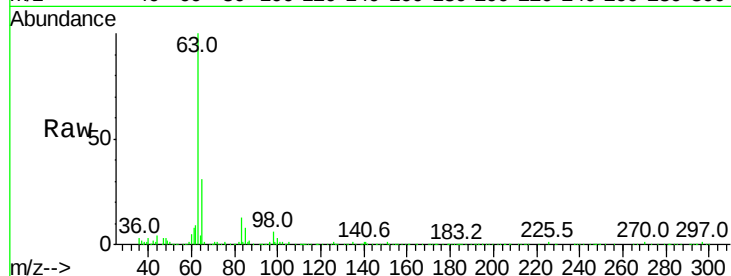




#19
 1,1-Dichloroethane
 Concen: 1.105 ug/L
 RT: 5.70 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: VR026265.D
 Acq: 17 Dec 2018 15:04

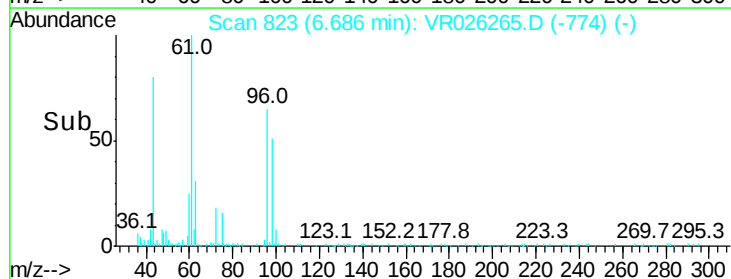
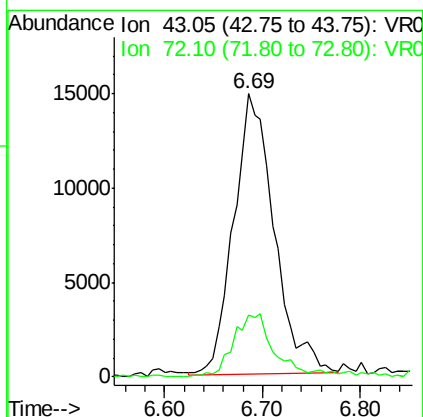
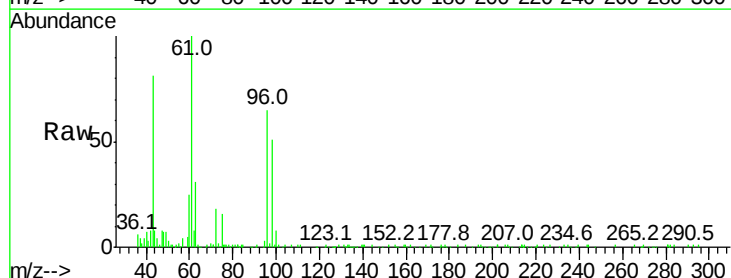
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

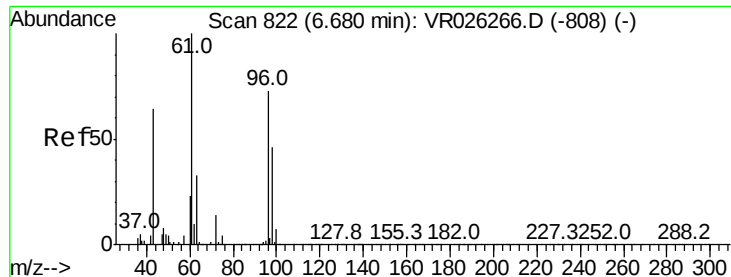
Tgt Ion: 63 Resp: 98741
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.6 40.0
 83 12.8 9.0 16.8



#21
 2-Butanone
 Concen: 8.327 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR026265.D
 Acq: 17 Dec 2018 15:04

Tgt Ion: 43 Resp: 42594
 Ion Ratio Lower Upper
 43 100
 72 21.8 11.9 35.5



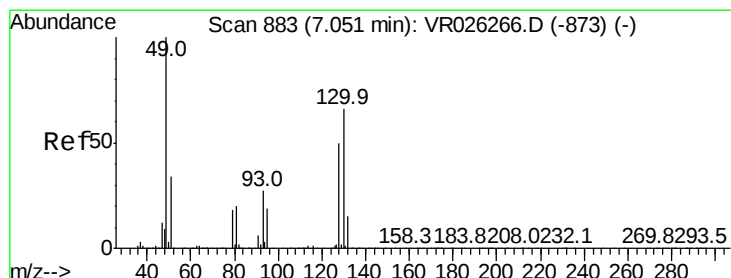
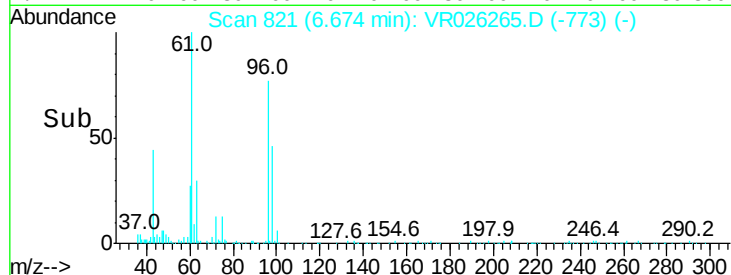
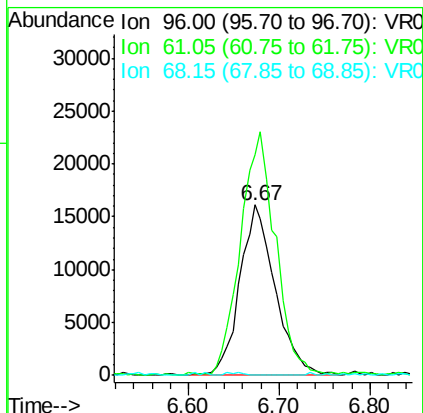
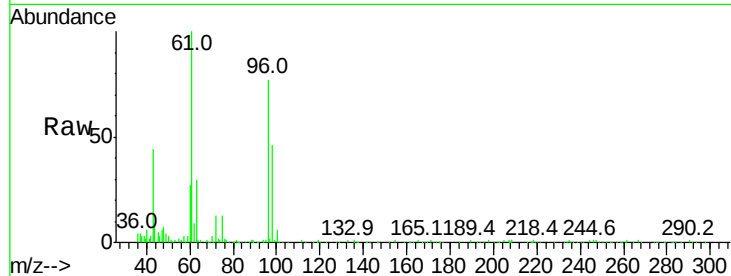


#22

cis-1,2-Dichloroethene
Concen: 0.993 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

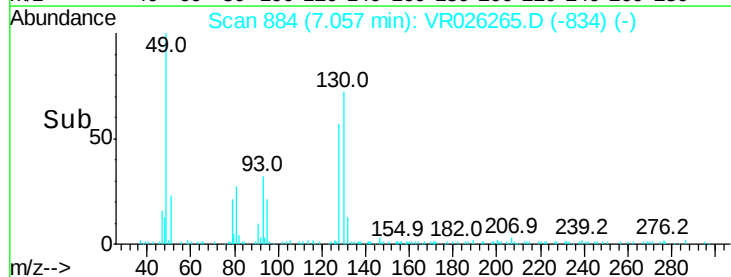
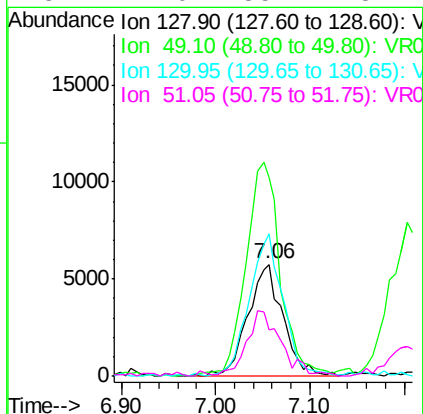
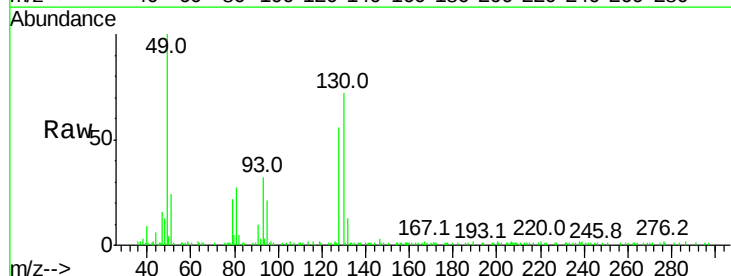
Tgt Ion: 96 Resp: 43485
Ion Ratio Lower Upper
96 100
61 129.5 96.3 178.9
68 0.4 0.0 0.0#

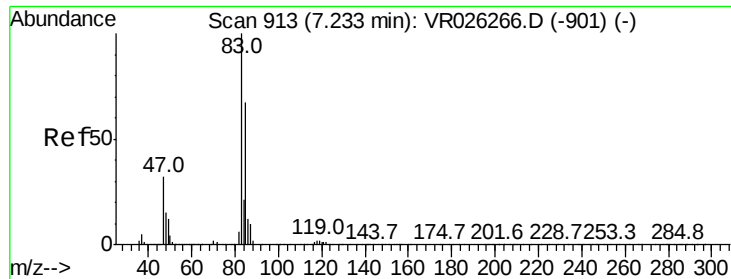


#23

Bromochloromethane
Concen: 1.096 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion: 128 Resp: 14930
Ion Ratio Lower Upper
128 100
49 177.7 140.9 261.7
130 128.0 92.6 172.0
51 42.0 55.1 82.7#

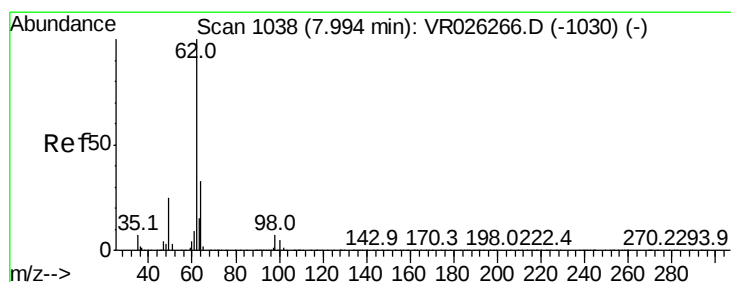
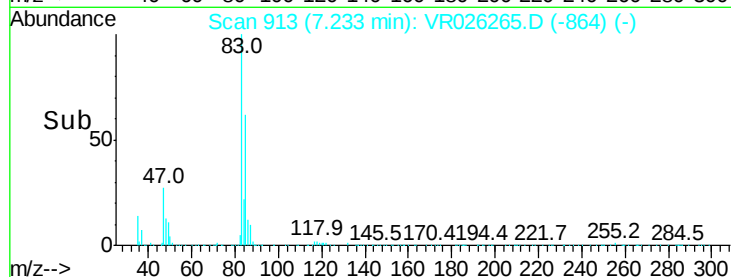
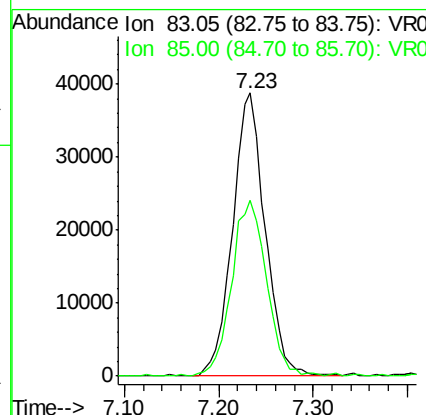
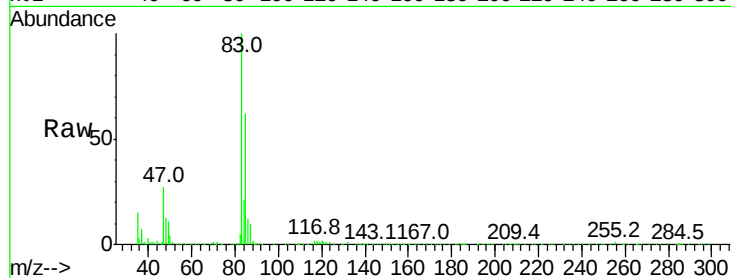




#25
Chloroform
Concen: 0.940 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

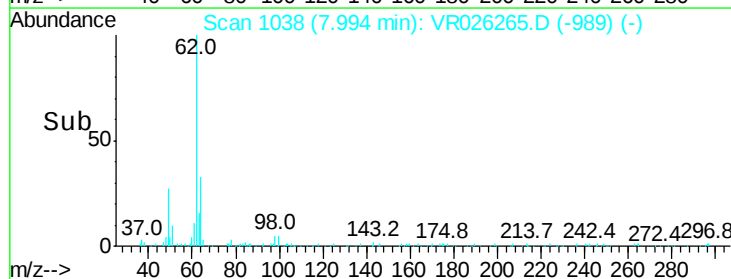
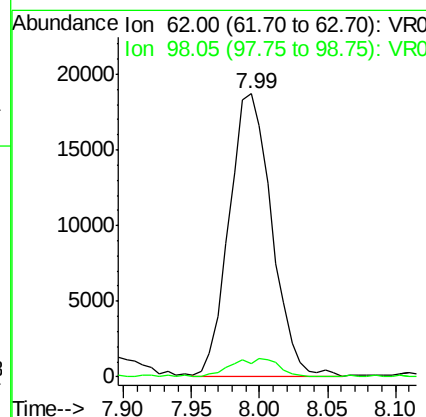
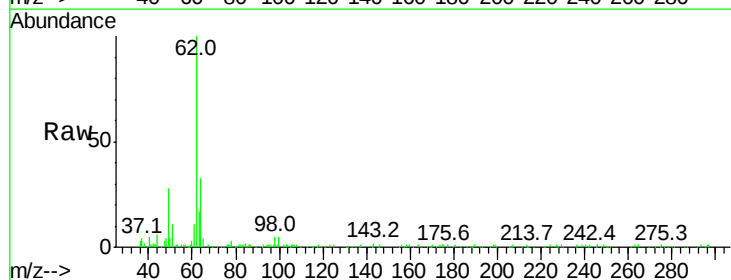
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

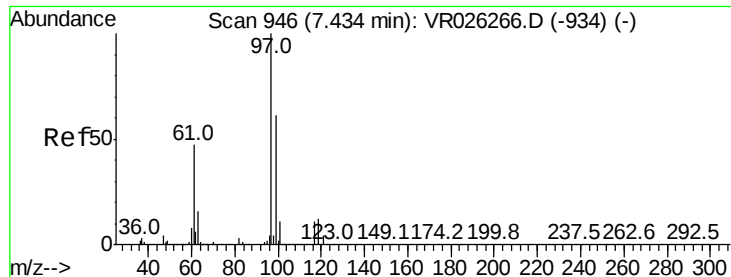
Tgt Ion: 83 Resp: 92724
Ion Ratio Lower Upper
83 100
85 62.0 47.0 87.4



#27
1,2-Dichloroethane
Concen: 1.005 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion: 62 Resp: 40735
Ion Ratio Lower Upper
62 100
98 4.6 5.7 8.5#





#29

1,1,1-Trichloroethane

Concen: 1.204 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

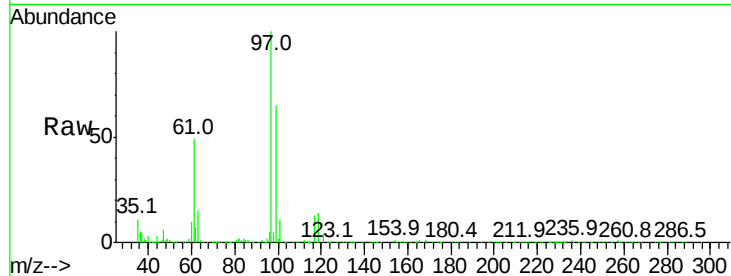
Tgt Ion: 97 Resp: 84557

Ion Ratio Lower Upper

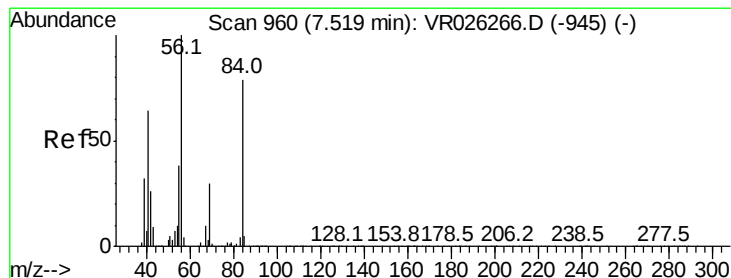
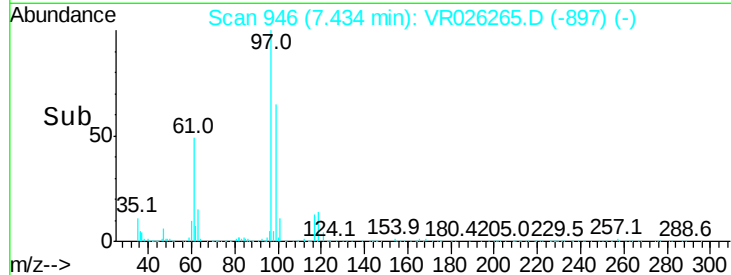
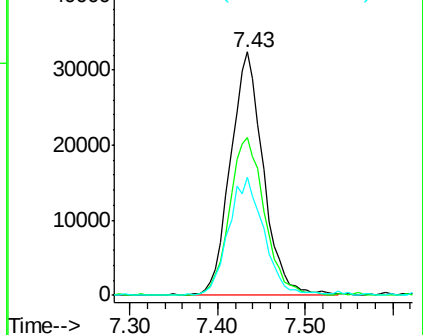
97 100

99 68.9 50.2 75.4

61 52.0 38.0 57.0



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



#30

Cyclohexane

Concen: 1.074 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

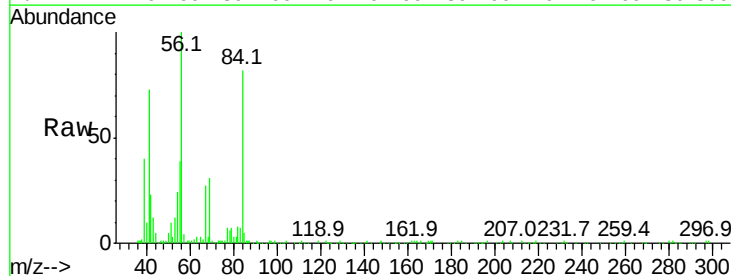
Tgt Ion: 56 Resp: 64790

Ion Ratio Lower Upper

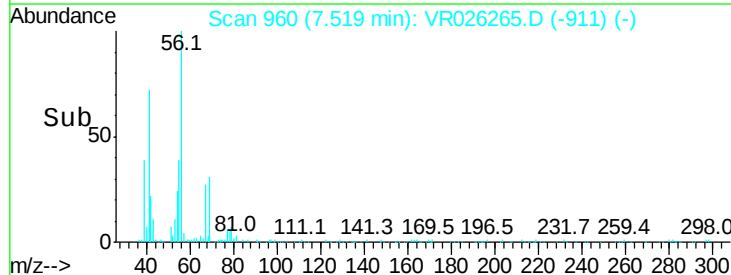
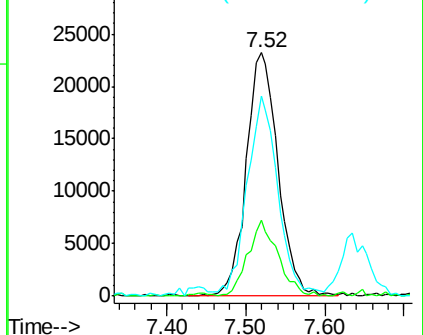
56 100

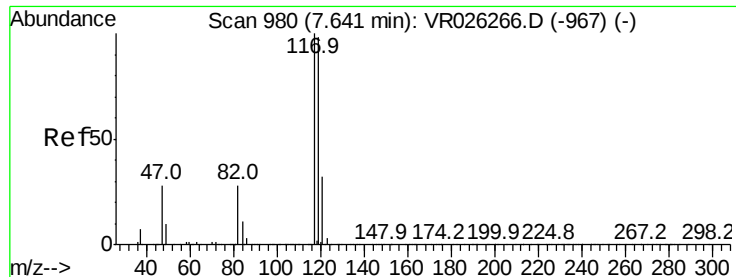
69 29.2 24.0 36.0

84 80.5 64.5 96.7



Abundance Ion 56.10 (55.80 to 56.80): VR0
Ion 69.15 (68.85 to 69.85): VR0
Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 1.275 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

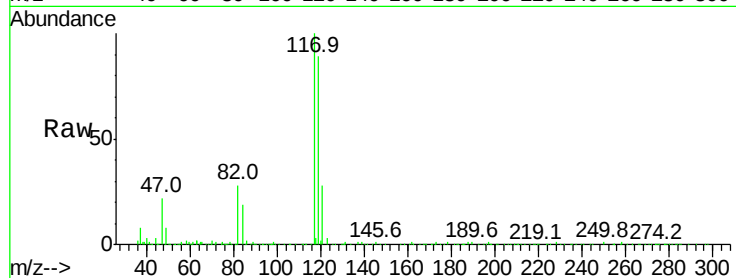
VSTD00182

Tgt Ion:117 Resp: 80209

Ion Ratio Lower Upper

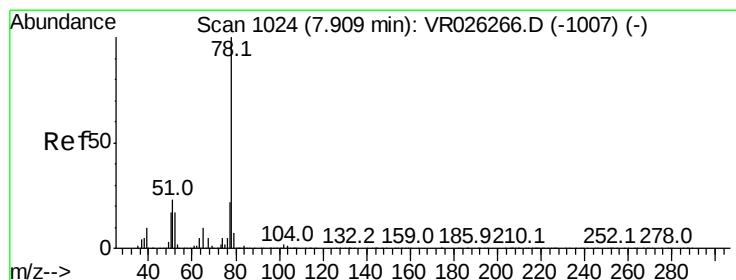
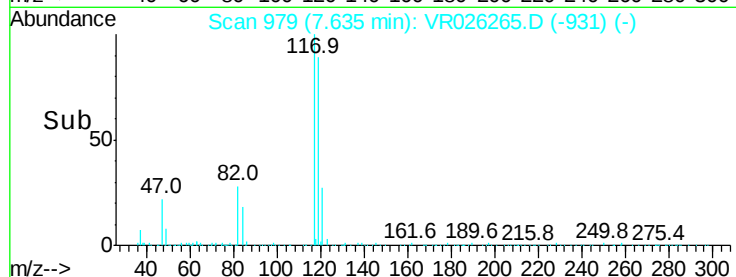
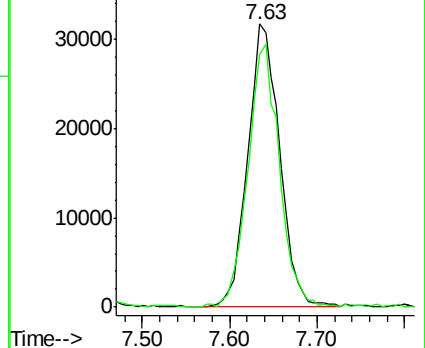
117 100

119 91.5 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.146 ug/L

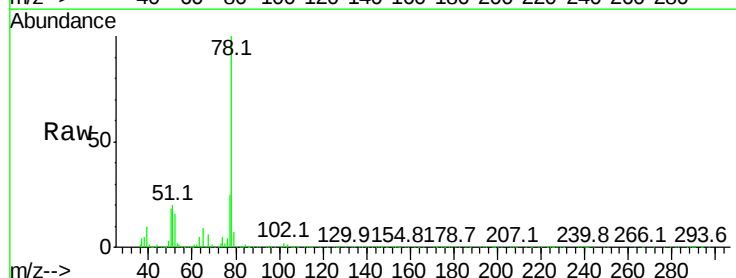
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

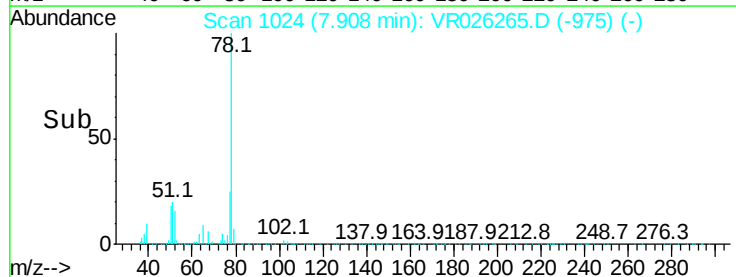
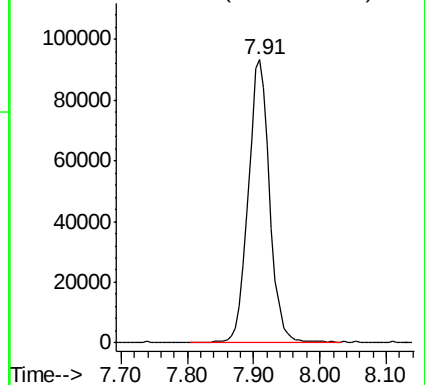
Lab File: VR026265.D

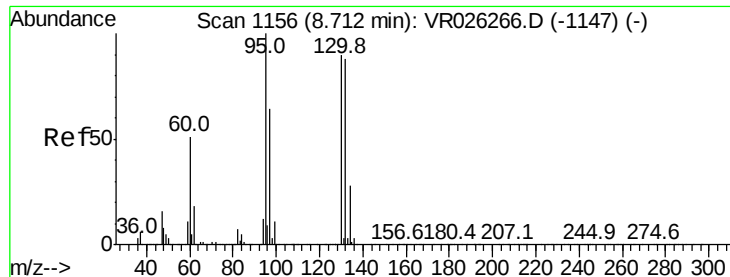
Acq: 17 Dec 2018 15:04

Tgt Ion: 78 Resp: 210507



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 1.113 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 95 Resp: 53139

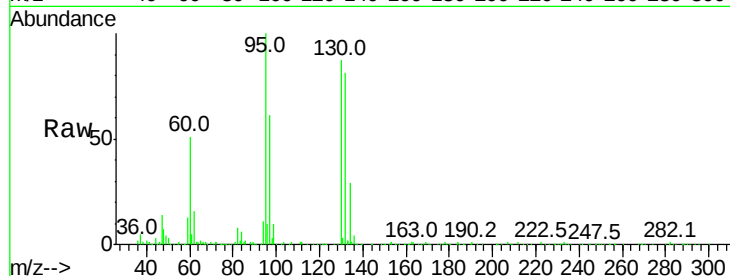
Ion Ratio Lower Upper

95 100

97 61.5 44.8 83.2

132 80.9 61.7 114.5

130 87.4 63.3 117.5

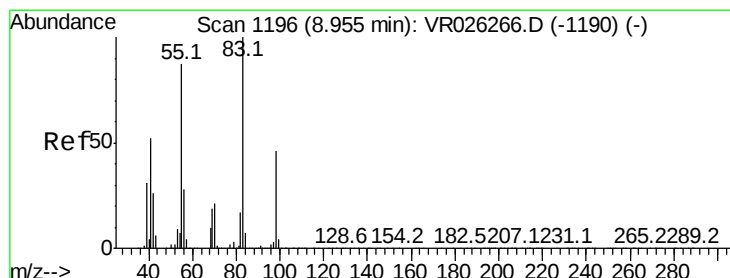
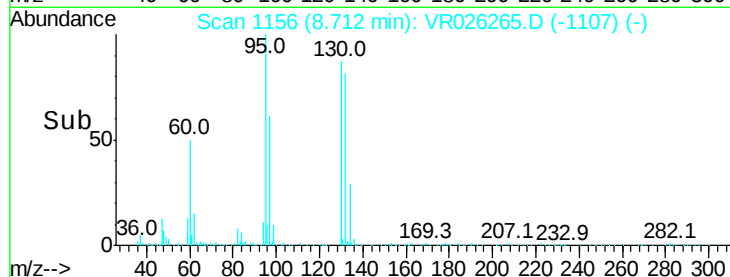
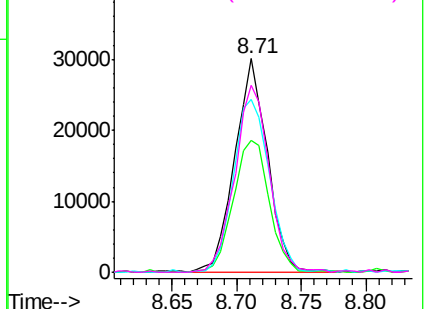


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 1.047 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

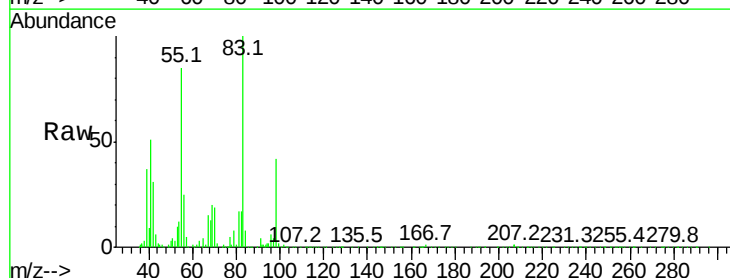
Tgt Ion: 83 Resp: 67491

Ion Ratio Lower Upper

83 100

55 87.7 66.6 99.8

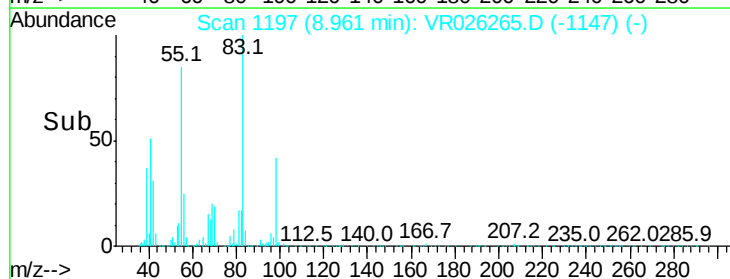
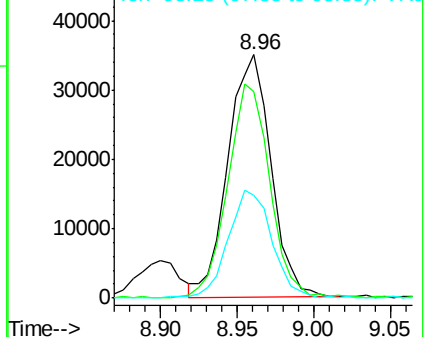
98 45.9 35.5 53.3

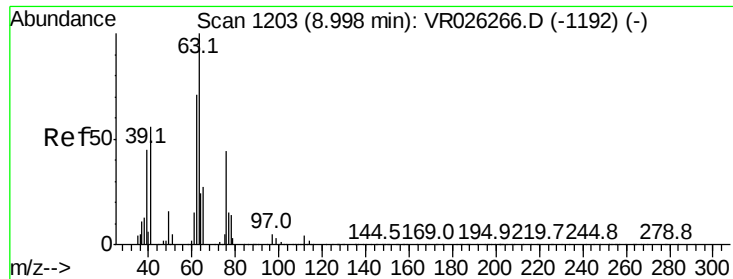


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 1.153 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

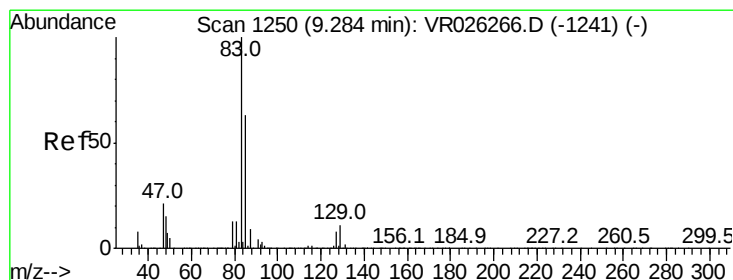
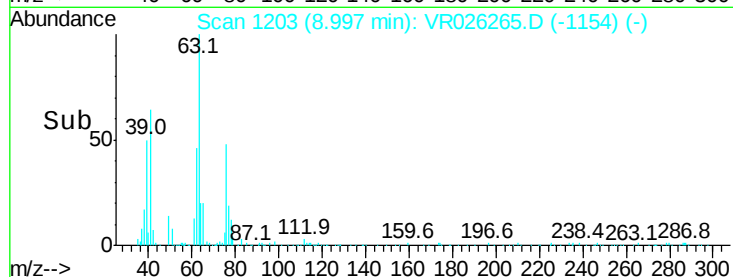
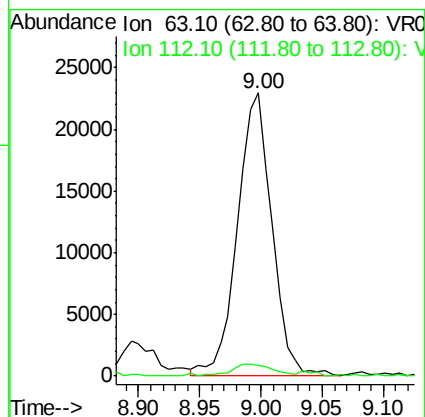
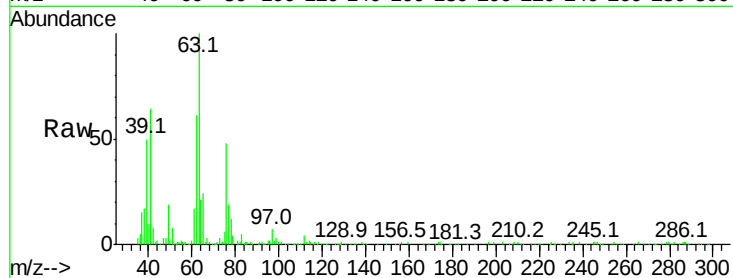
Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion: 63 Resp: 44293

Ion	Ratio	Lower	Upper
63	100		
112	5.2	3.0	4.6#



#38

Bromodichloromethane

Concen: 1.085 ug/L

RT: 9.28 min Scan# 1250

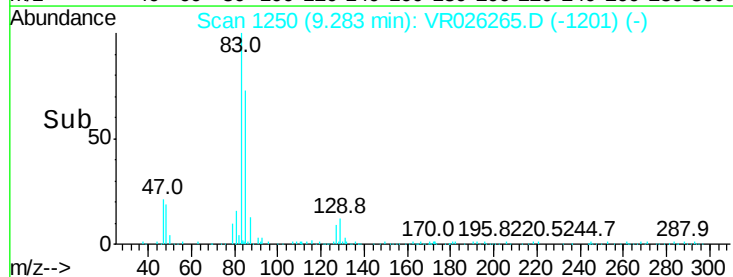
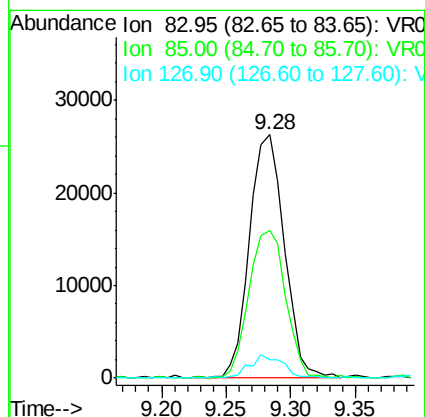
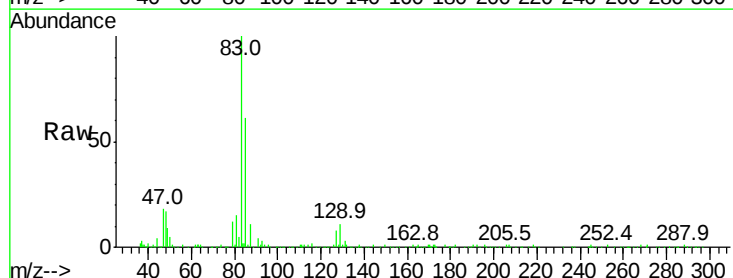
Delta R.T. -0.00 min

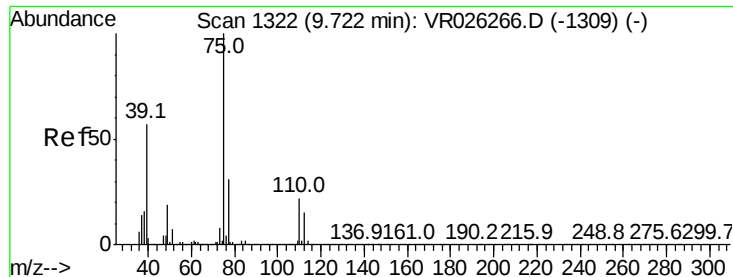
Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Tgt Ion: 83 Resp: 49232

Ion	Ratio	Lower	Upper
83	100		
85	60.7	44.0	81.6
127	7.6	6.6	9.8





#39

cis-1,3-Dichloropropene

Concen: 0.919 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

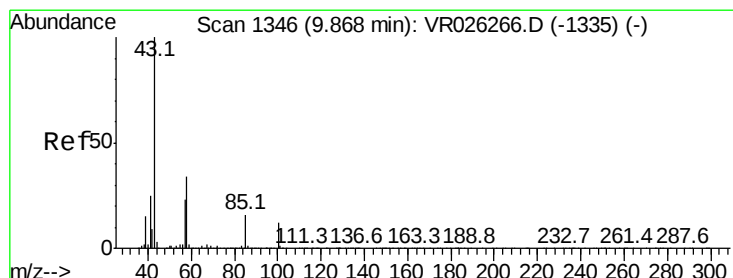
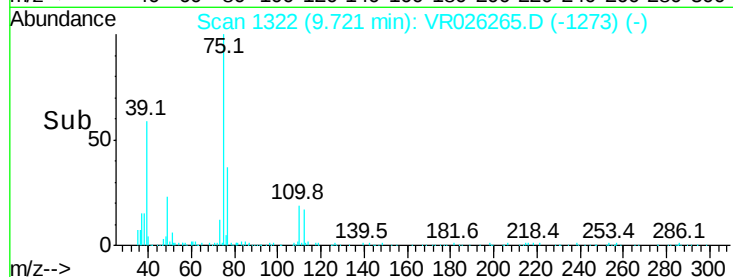
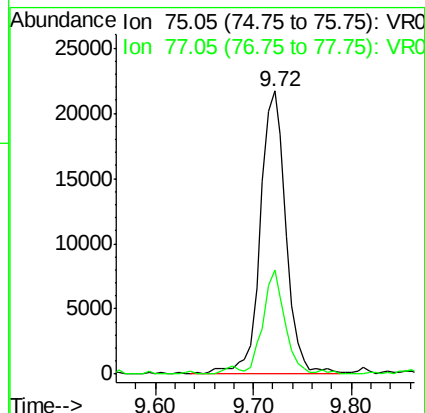
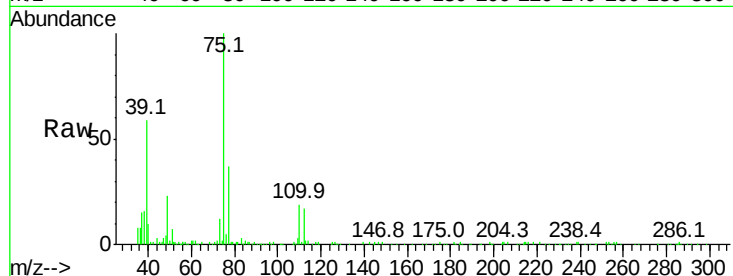
VSTD00182

Tgt Ion: 75 Resp: 39656

Ion Ratio Lower Upper

75 100

77 36.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 8.139 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

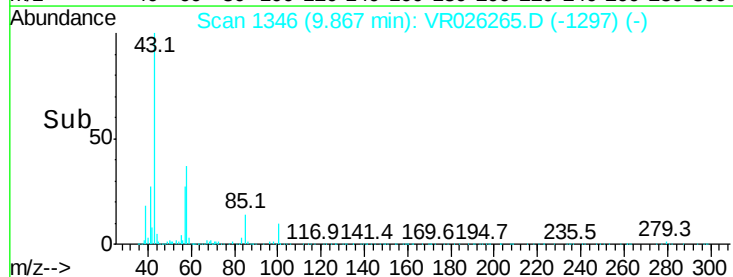
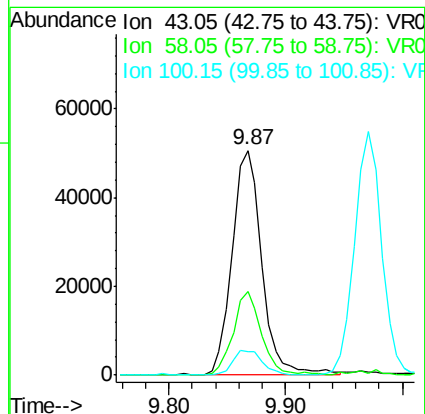
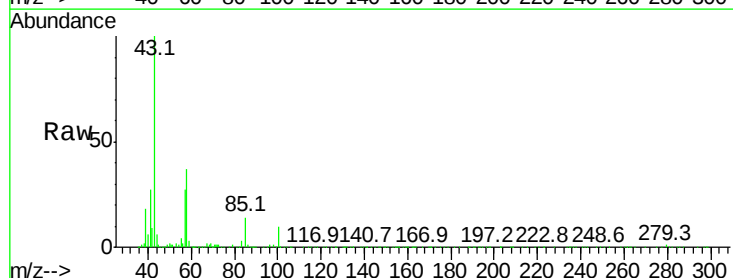
Tgt Ion: 43 Resp: 89448

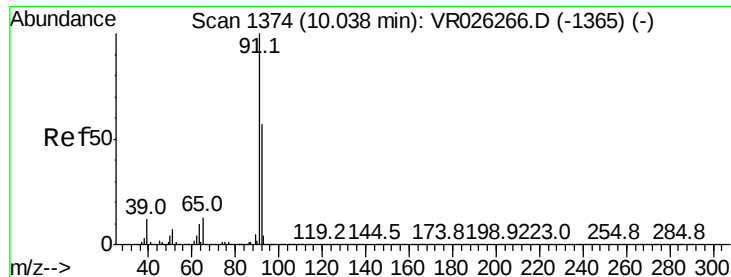
Ion Ratio Lower Upper

43 100

58 36.0 28.0 42.0

100 11.4 9.8 14.6





#42

Toluene

Concen: 1.002 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampled :

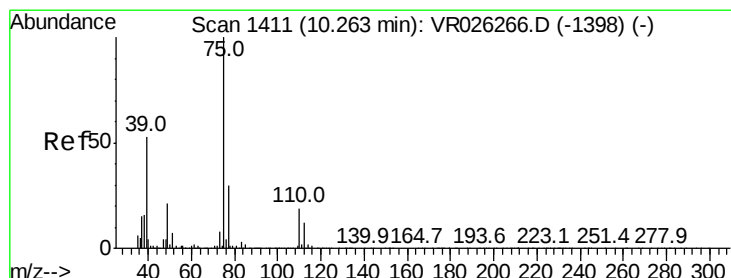
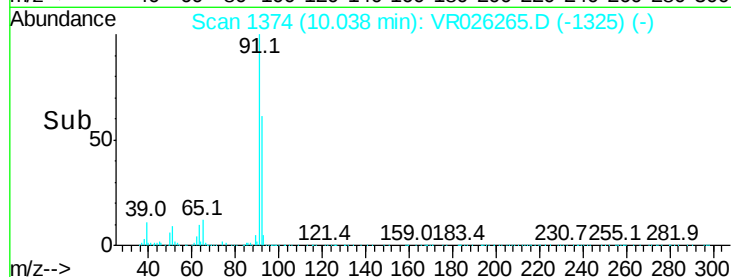
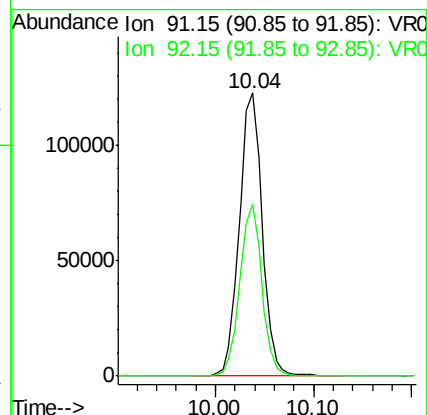
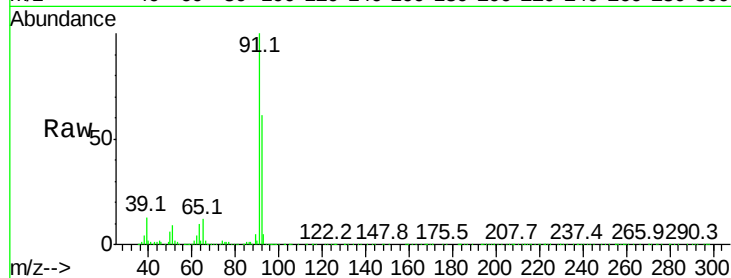
VSTD00182

Tgt Ion: 91 Resp: 199877

Ion Ratio Lower Upper

91 100

92 60.7 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.979 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026265.D

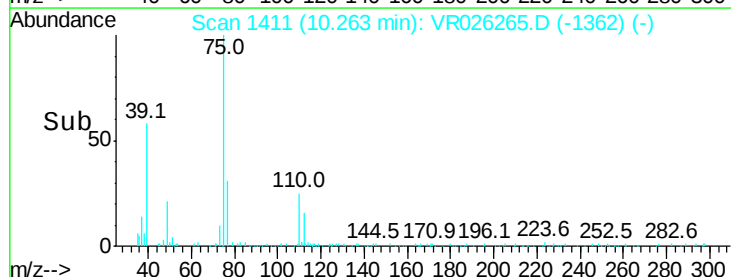
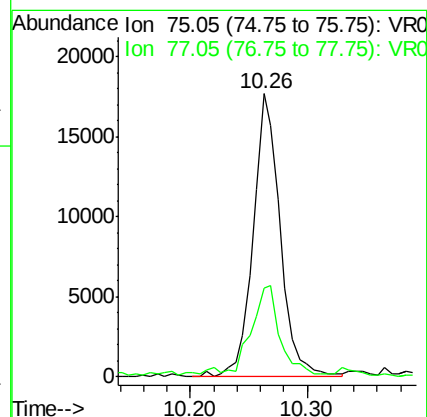
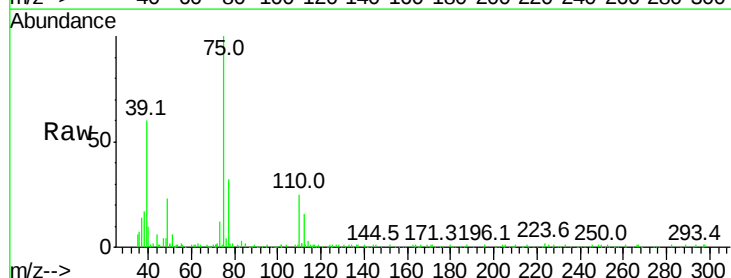
Acq: 17 Dec 2018 15:04

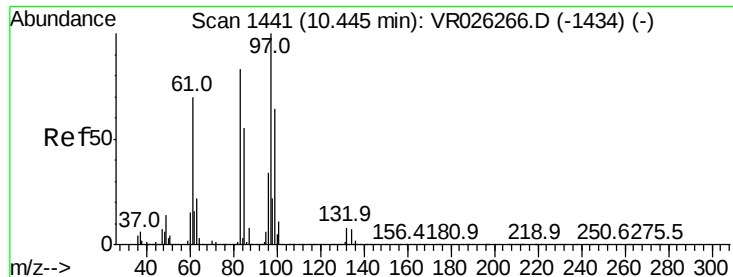
Tgt Ion: 75 Resp: 28610

Ion Ratio Lower Upper

75 100

77 31.6 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 1.126 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 97 Resp: 19218

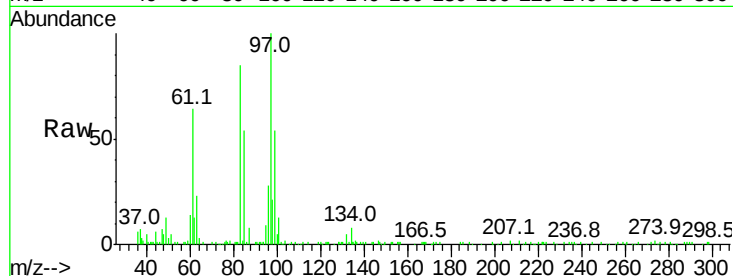
Ion Ratio Lower Upper

97 100

99 53.9 45.0 83.6

83 85.0 57.9 107.5

85 54.1 38.9 72.2

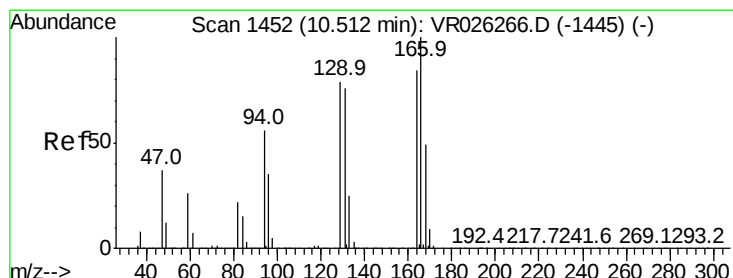
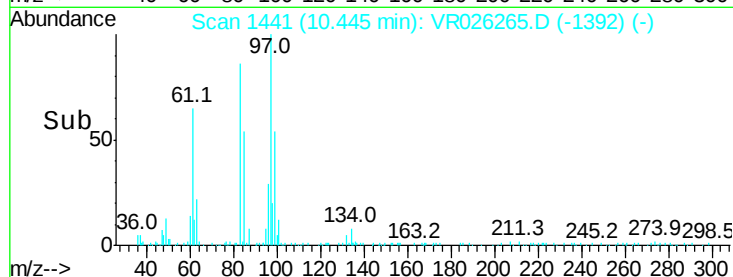
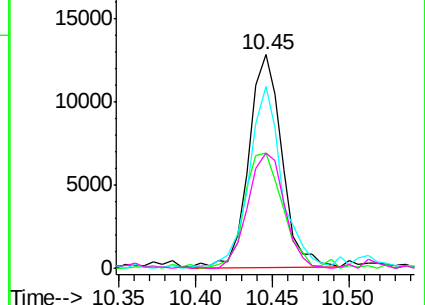


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 1.134 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Tgt Ion: 164 Resp: 39054

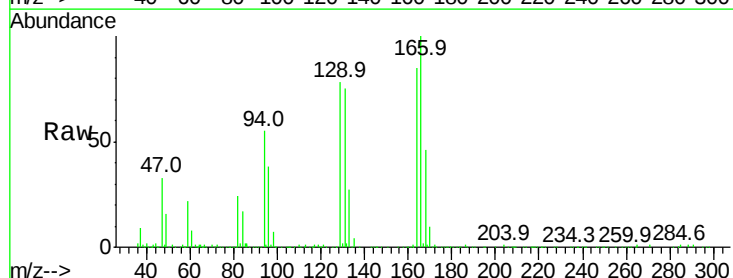
Ion Ratio Lower Upper

164 100

129 92.4 65.7 122.1

131 88.3 63.7 118.3

166 118.3 83.4 155.0

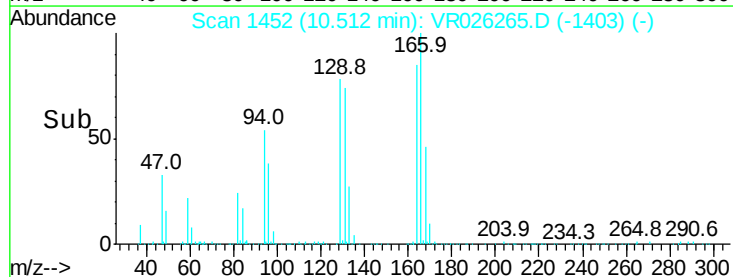
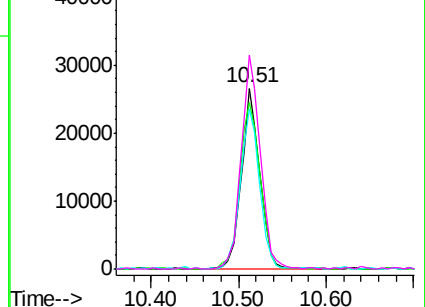


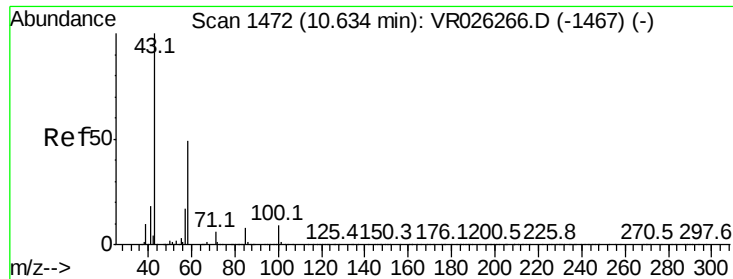
Abundance Ion 163.90 (163.60 to 164.60): V

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

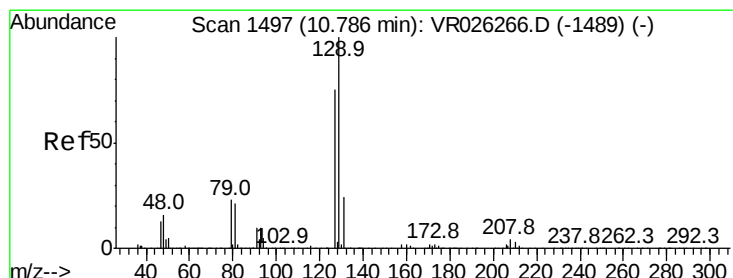
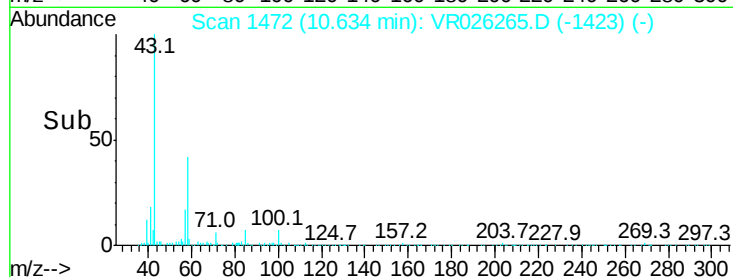
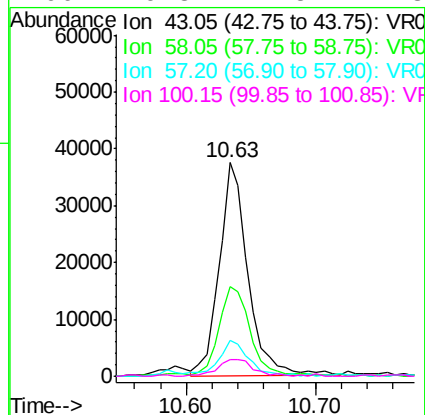
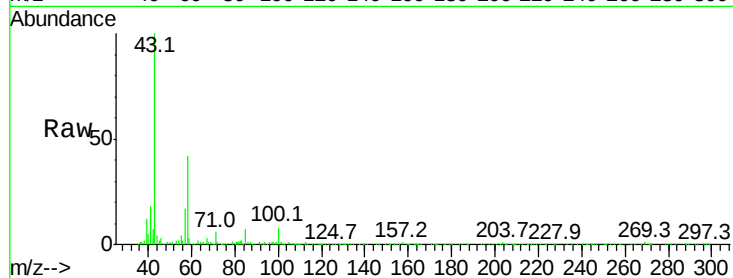




#48
2-Hexanone
Concen: 7.922 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

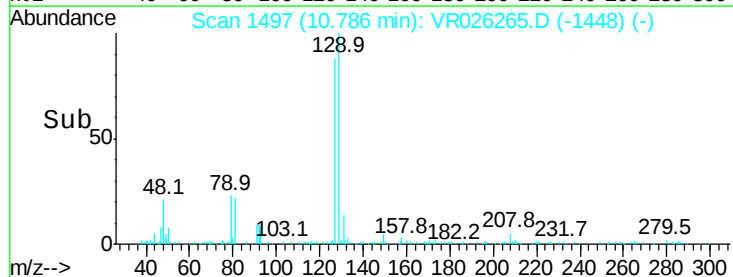
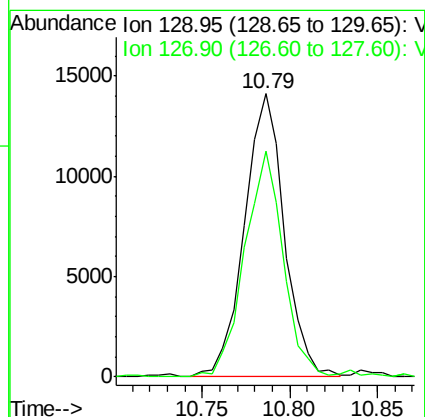
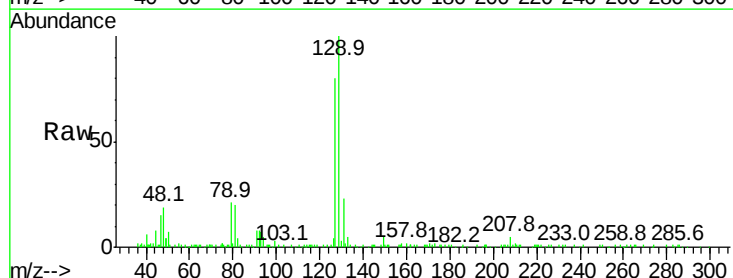
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

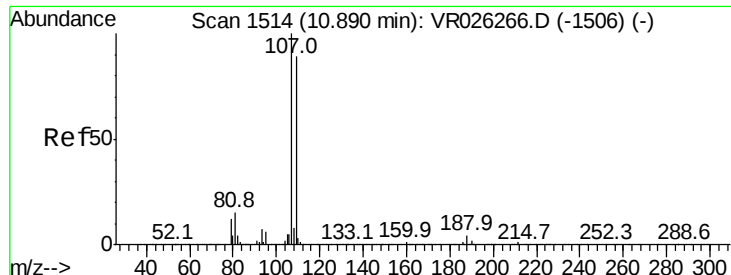
Tgt Ion:	43	Resp:	58269
Ion	Ratio	Lower	Upper
43	100		
58	48.0	40.5	60.7
57	16.2	14.2	21.4
100	9.8	7.5	11.3



#49
Dibromochloromethane
Concen: 1.084 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion:	129	Resp:	22264
Ion	Ratio	Lower	Upper
129	100		
127	79.7	52.6	97.6

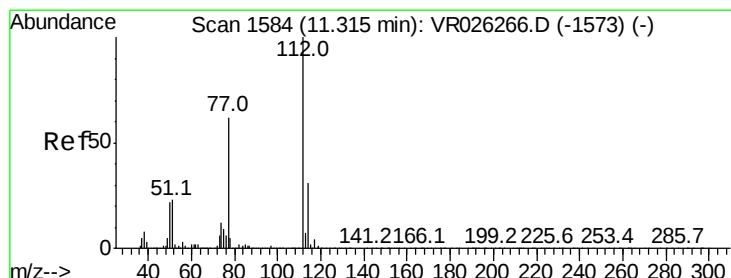
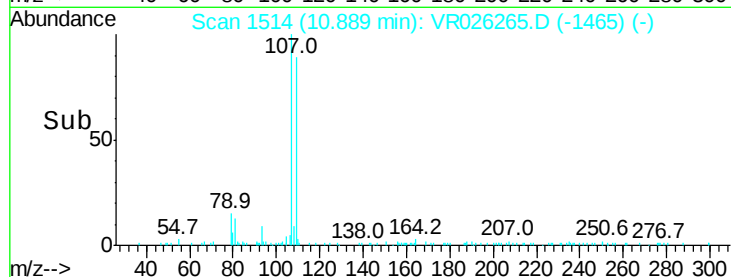
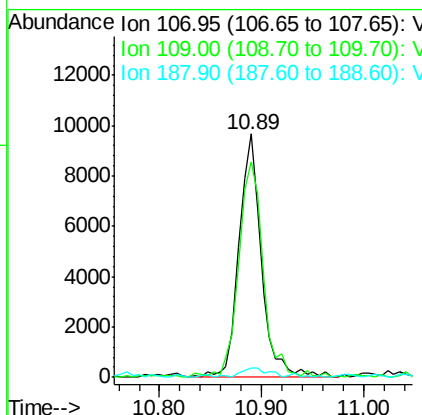
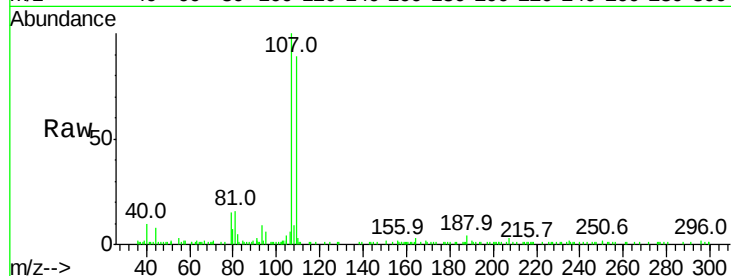




#50
1,2-Dibromoethane
Concen: 1.020 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

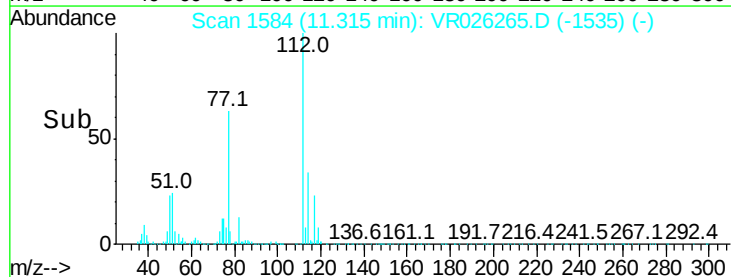
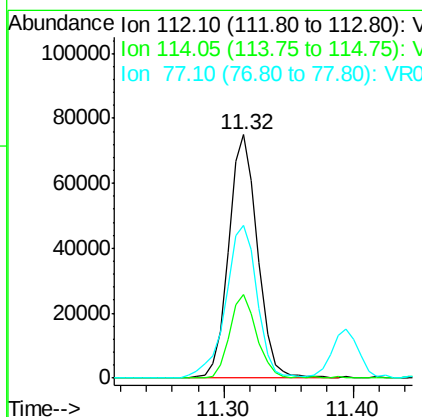
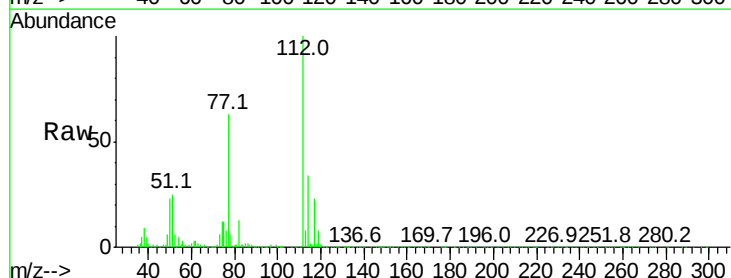
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

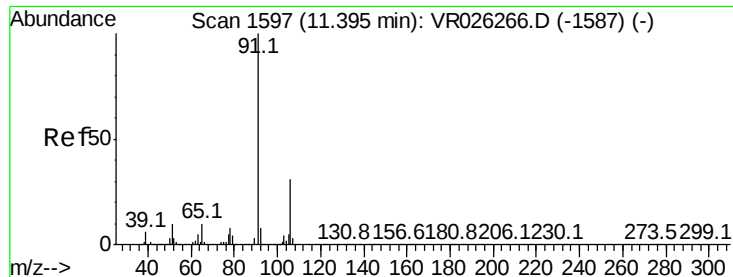
Tgt Ion:107 Resp: 14614
Ion Ratio Lower Upper
107 100
109 88.6 62.3 115.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 1.056 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion:112 Resp: 117015
Ion Ratio Lower Upper
112 100
114 34.5 21.7 40.3
77 62.9 49.4 74.2





#52

Ethylbenzene

Concen: 1.001 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

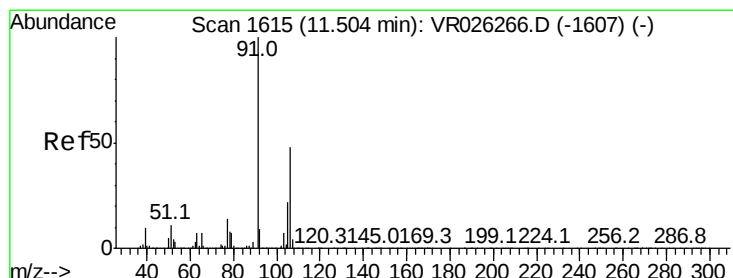
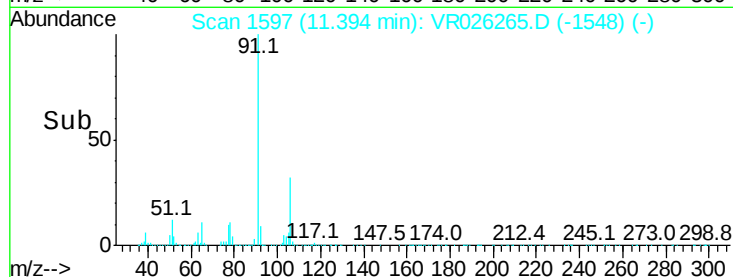
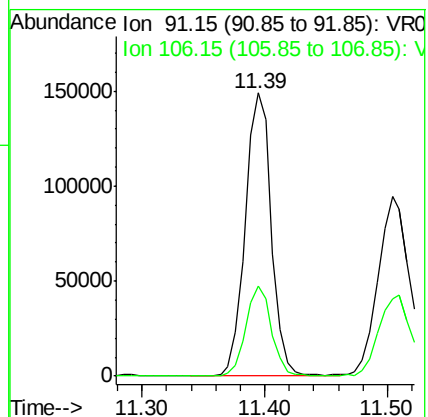
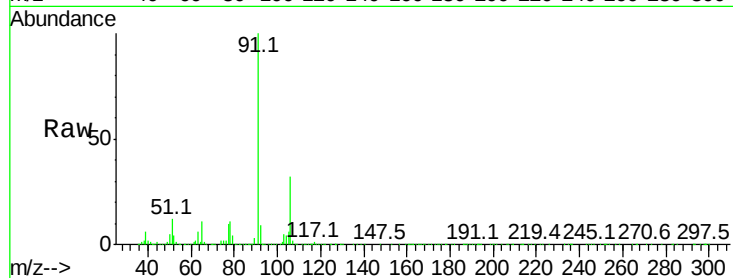
VSTD00182

Tgt Ion: 91 Resp: 220563

Ion Ratio Lower Upper

91 100

106 31.8 21.4 39.8



#53

m,p-Xylene

Concen: 0.970 ug/L

RT: 11.51 min Scan# 1616

Delta R.T. 0.01 min

Lab File: VR026265.D

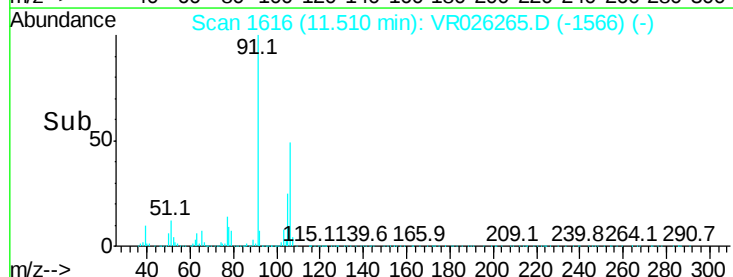
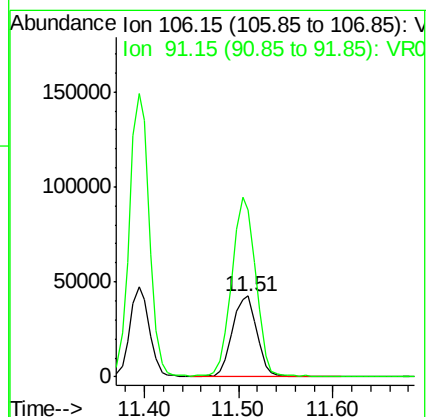
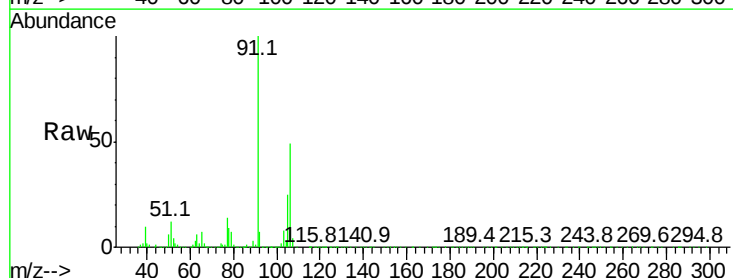
Acq: 17 Dec 2018 15:04

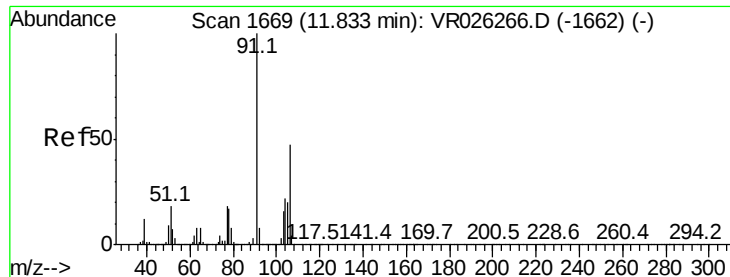
Tgt Ion: 106 Resp: 77818

Ion Ratio Lower Upper

106 100

91 205.9 145.9 271.1

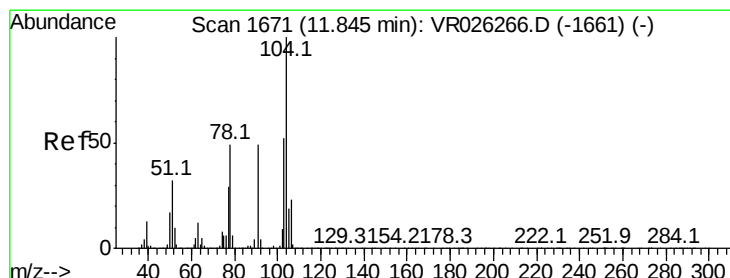
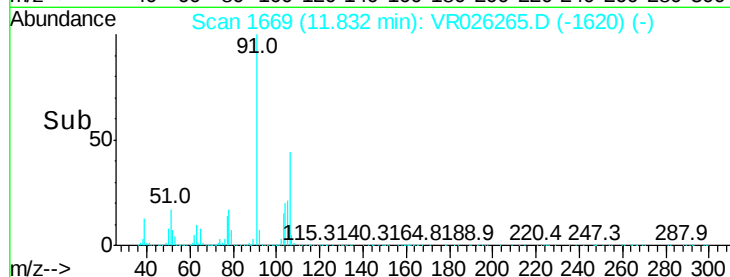
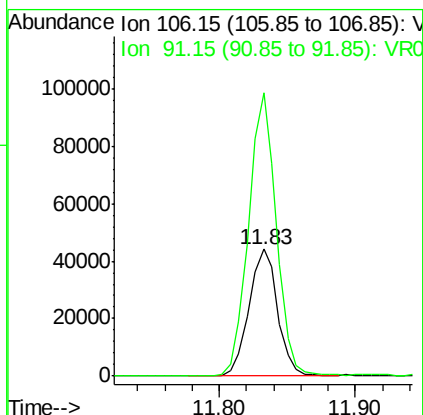
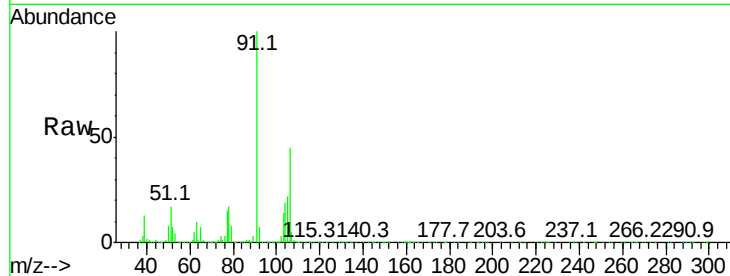




#54
o-Xylene
Concen: 0.899 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

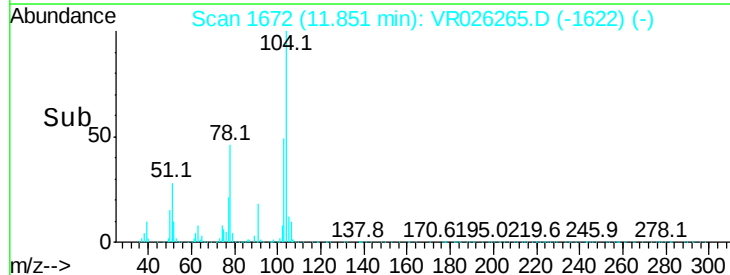
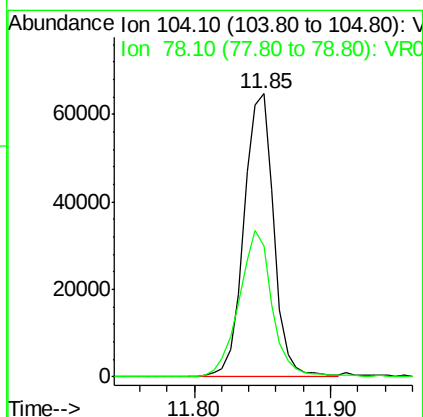
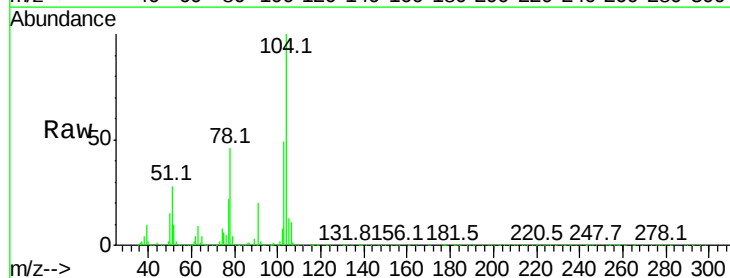
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

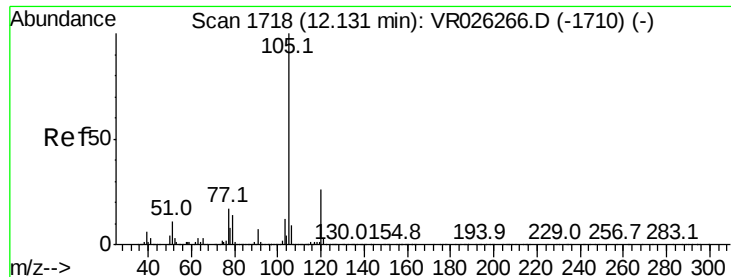
Tgt Ion:106 Resp: 65382
Ion Ratio Lower Upper
106 100
91 223.3 150.4 279.4



#55
Styrene
Concen: 0.853 ug/L
RT: 11.85 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion:104 Resp: 98739
Ion Ratio Lower Upper
104 100
78 46.3 34.6 64.2





#56

Isopropylbenzene

Concen: 0.917 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

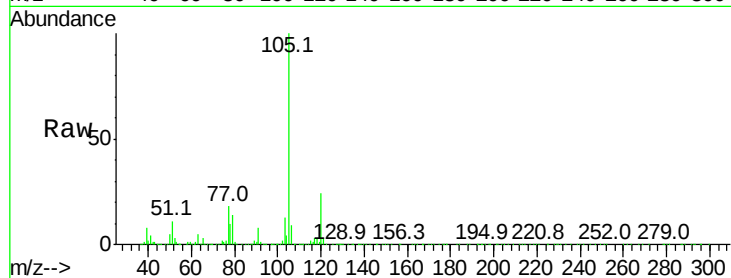
Tgt Ion: 105 Resp: 185202

Ion Ratio Lower Upper

105 100

120 24.7 21.2 31.8

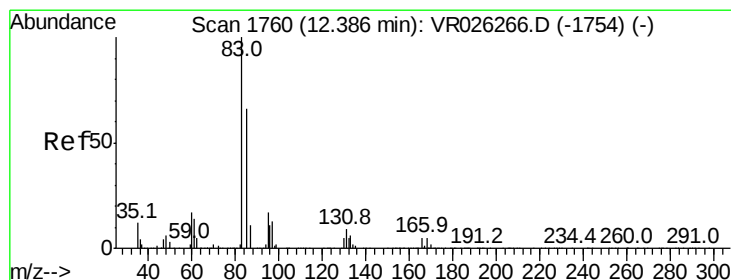
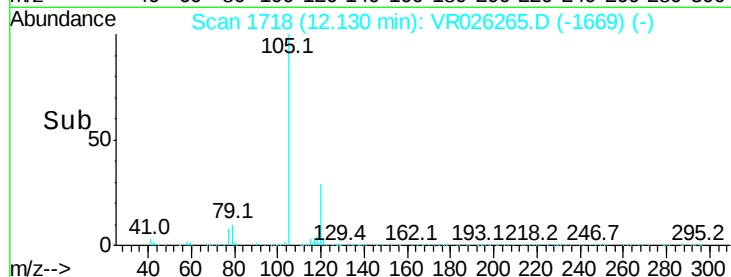
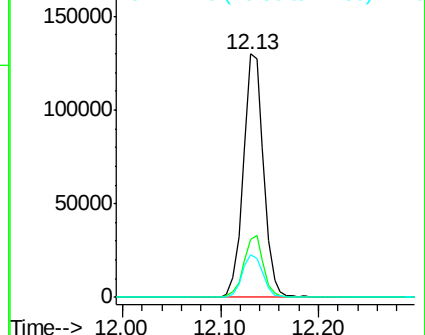
77 17.9 13.6 20.4



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 0.942 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

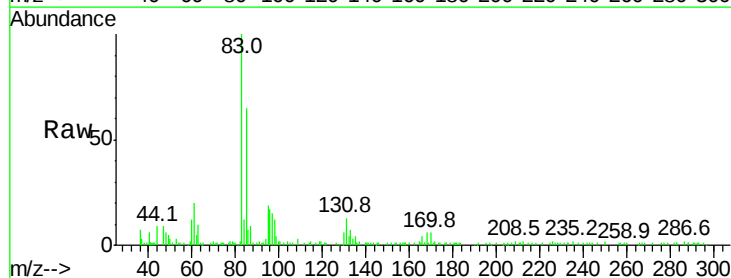
Tgt Ion: 83 Resp: 15396

Ion Ratio Lower Upper

83 100

85 65.4 46.9 87.1

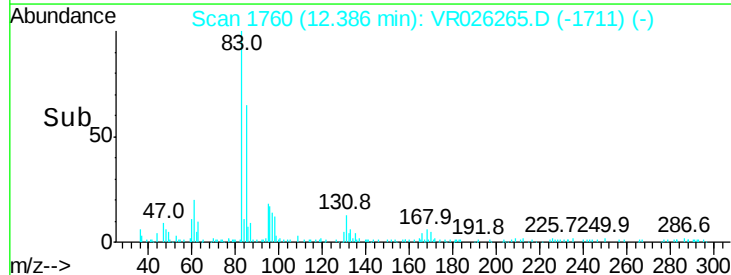
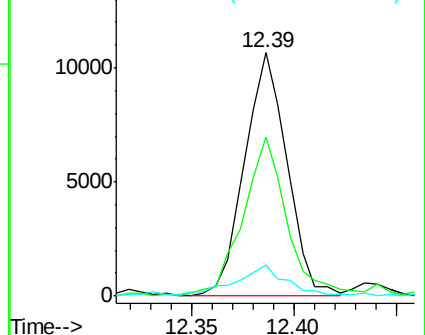
131 12.9 7.7 11.5#

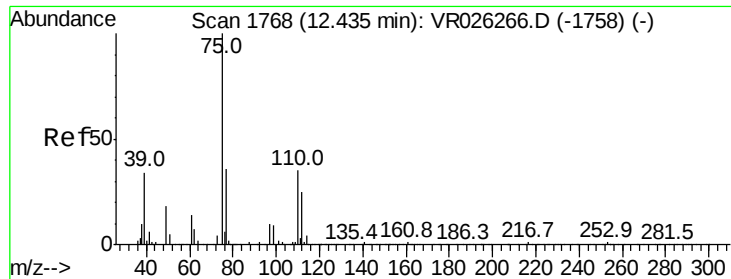


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.086 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

Instrument :

MSVOA_R

ClientSampleId :

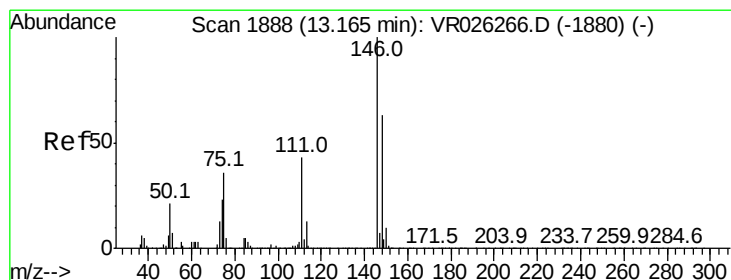
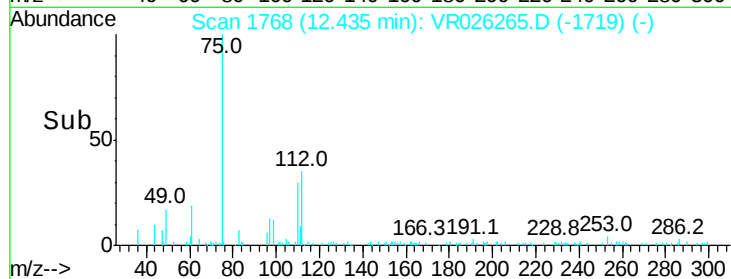
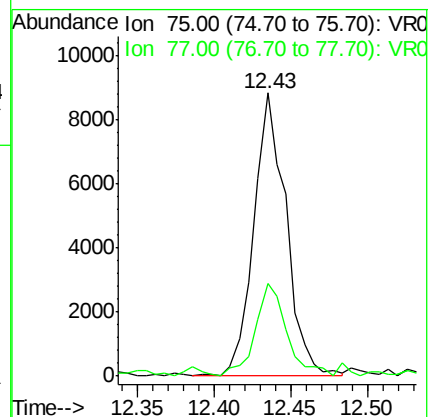
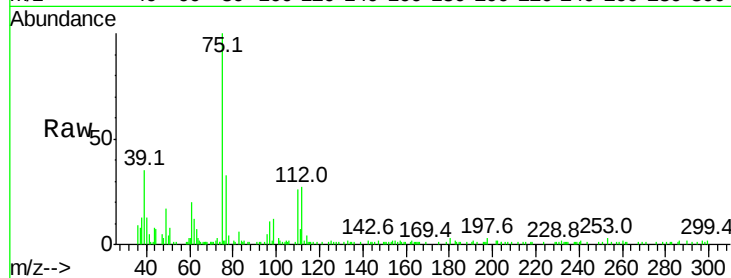
VSTD00182

Tgt Ion: 75 Resp: 12980

Ion Ratio Lower Upper

75 100

77 31.7 27.0 40.6



#62

1,3-Dichlorobenzene

Concen: 0.989 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026265.D

Acq: 17 Dec 2018 15:04

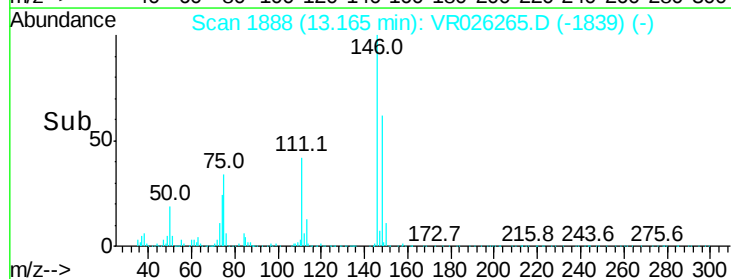
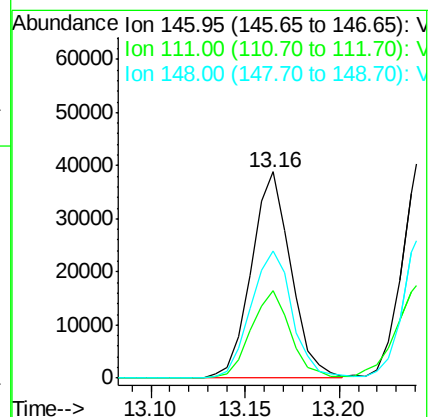
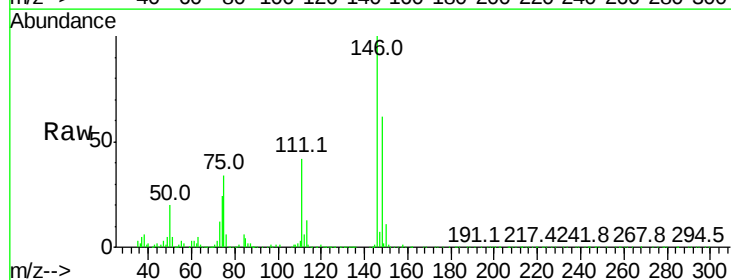
Tgt Ion: 146 Resp: 56321

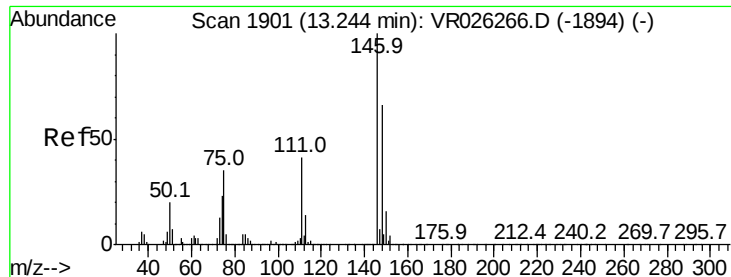
Ion Ratio Lower Upper

146 100

111 42.3 30.4 56.4

148 61.9 44.4 82.5

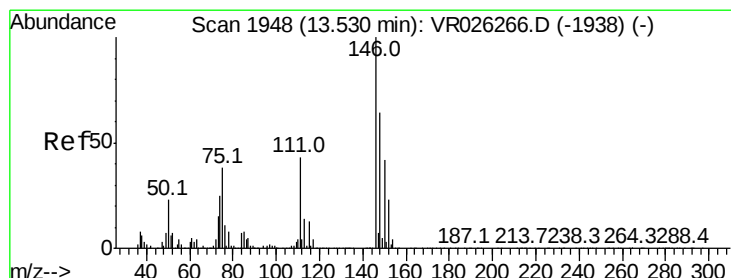
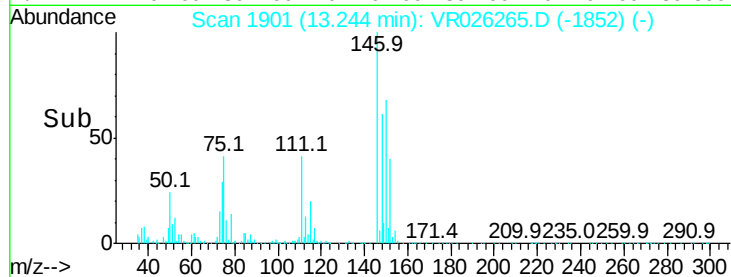
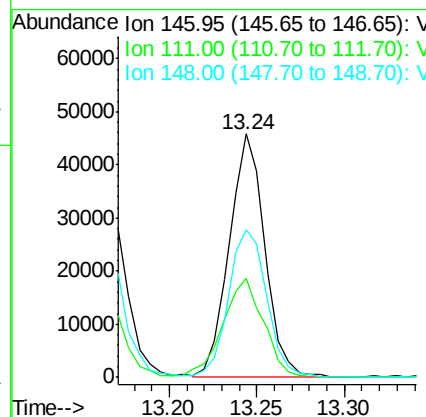
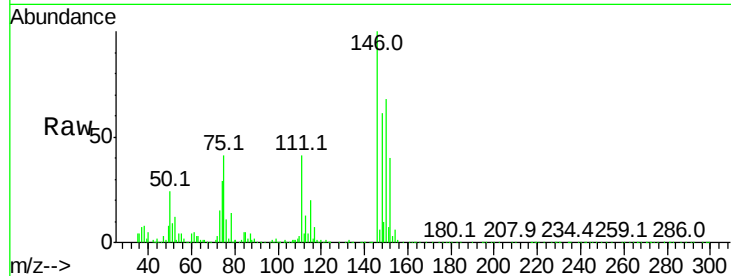




#63
1,4-Dichlorobenzene
Concen: 1.029 ug/L
RT: 13.24 min Scan# 1901
Delta R.T. -0.00 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

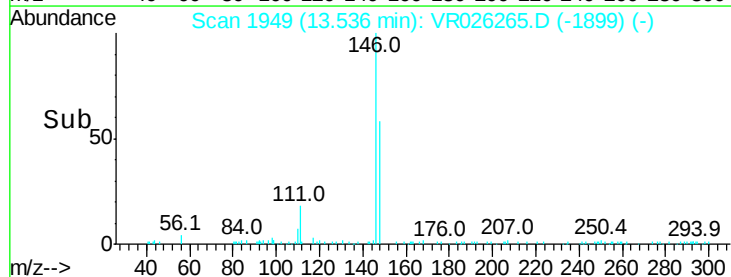
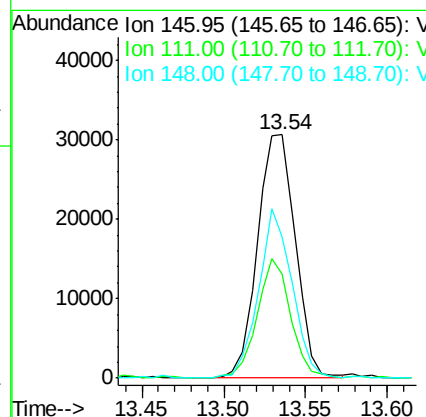
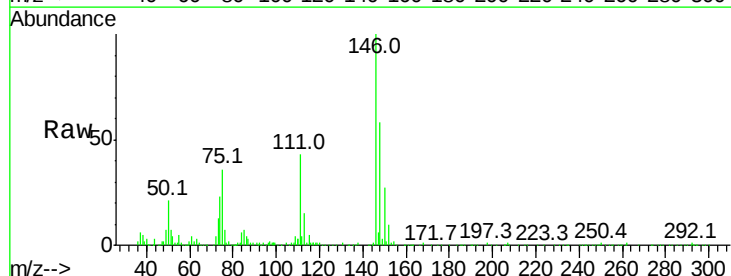
Instrument :
MSVOA_R
ClientSampled :
VSTD00182

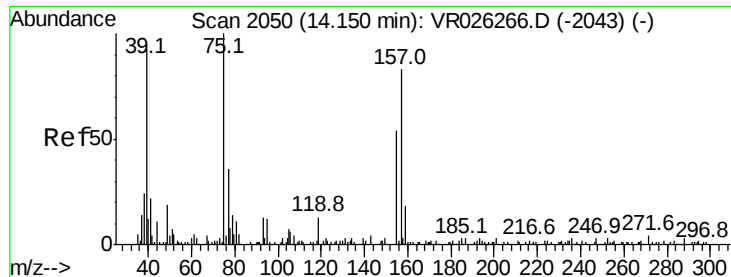
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	29.0	53.9
148	60.7	46.7	86.7



#65
1,2-Dichlorobenzene
Concen: 1.054 ug/L
RT: 13.54 min Scan# 1949
Delta R.T. 0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	34.6	52.0
148	58.0	51.0	76.6

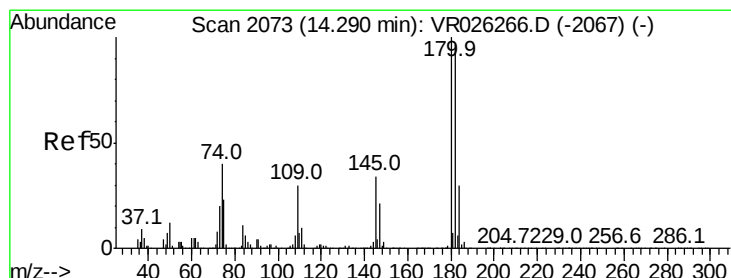
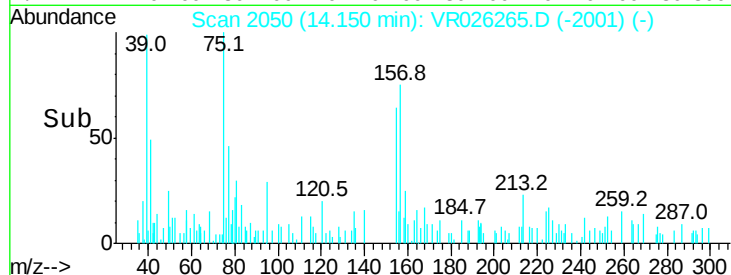
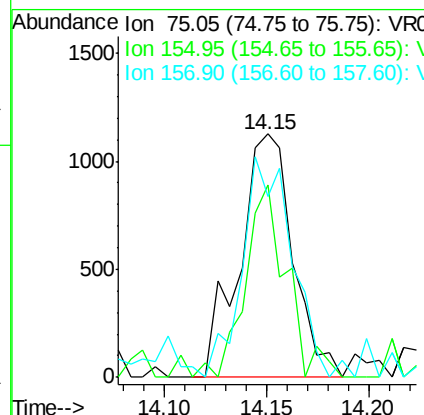
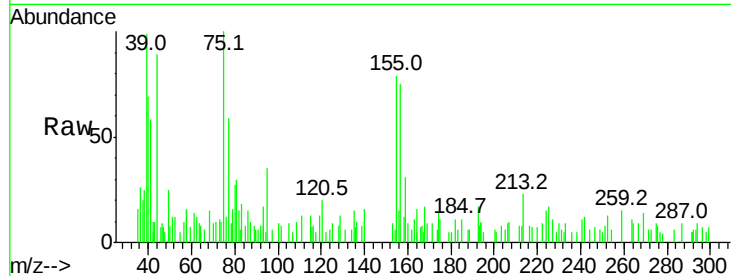




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.172 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: VR026265.D
 Acq: 17 Dec 2018 15:04

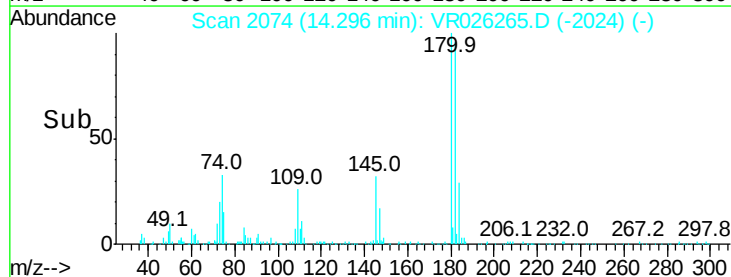
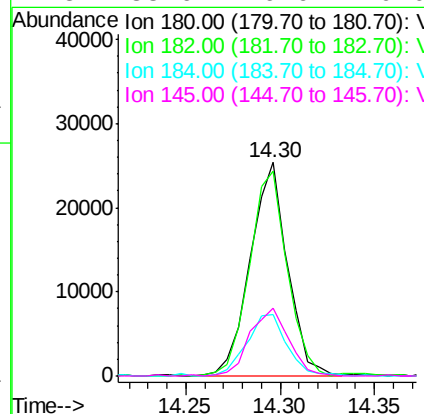
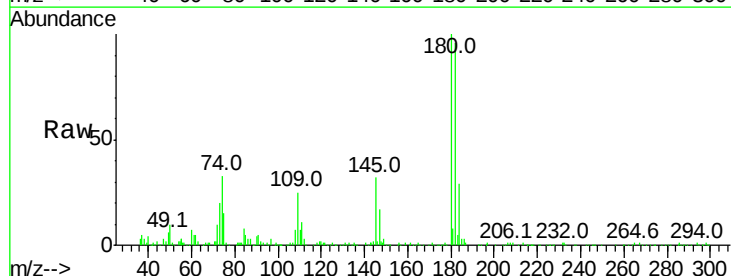
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

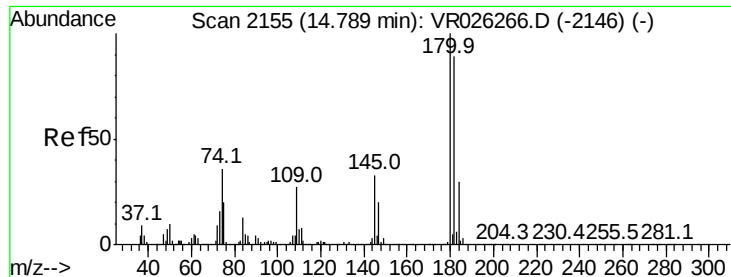
Tgt Ion: 75 Resp: 2053
 Ion Ratio Lower Upper
 75 100
 155 79.2 44.4 66.6#
 157 74.5 66.3 99.5



#67
 1,3,5-Trichlorobenzene
 Concen: 0.971 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026265.D
 Acq: 17 Dec 2018 15:04

Tgt Ion: 180 Resp: 34540
 Ion Ratio Lower Upper
 180 100
 182 97.9 77.3 115.9
 184 31.6 24.4 36.6
 145 33.6 26.6 40.0

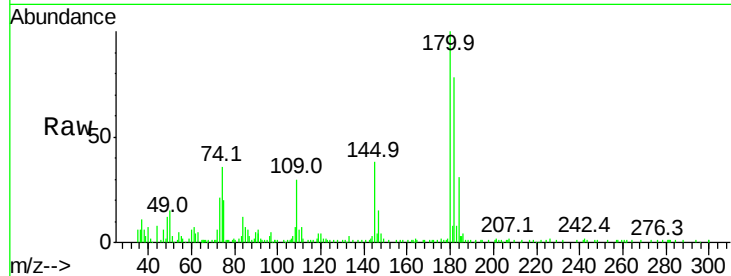




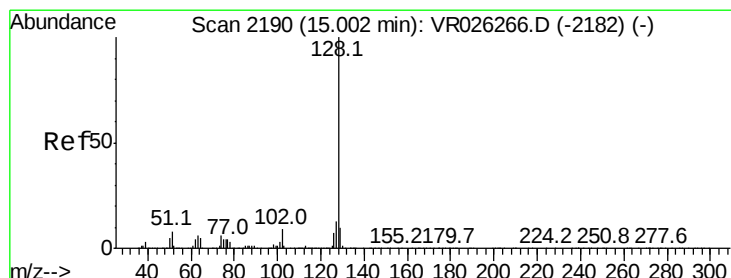
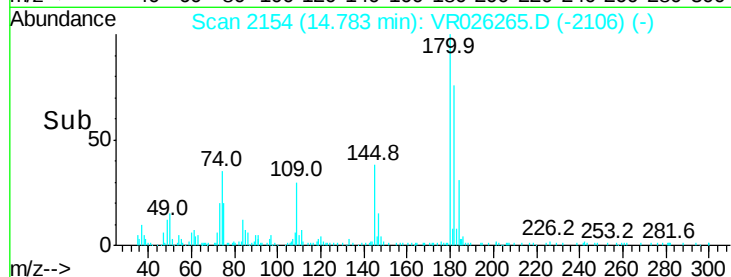
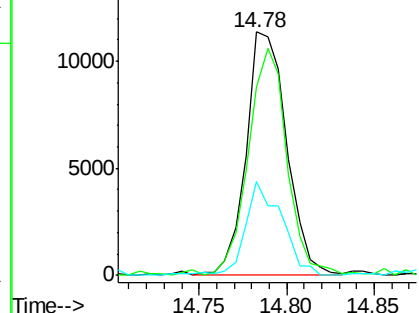
#68
1,2,4-trichlorobenzene
Concen: 0.926 ug/L
RT: 14.78 min Scan# 2154
Delta R.T. -0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.7	75.8	113.6
145	34.7	27.0	40.4

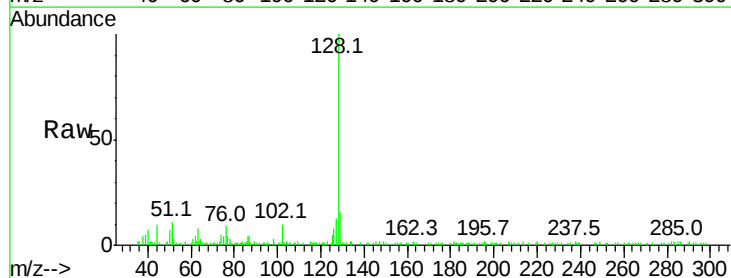


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

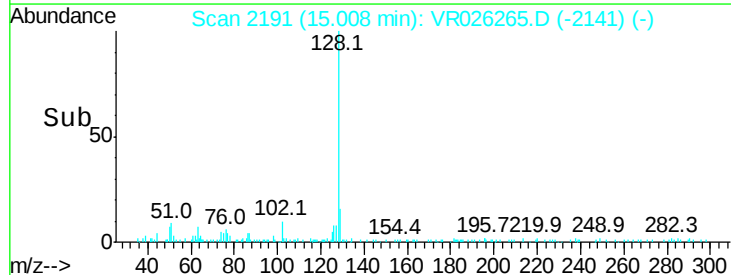
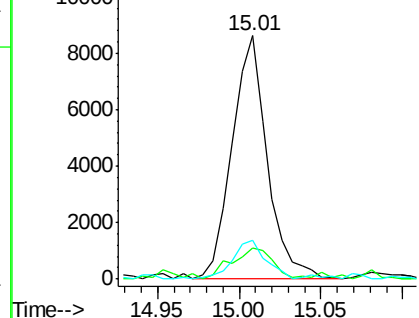


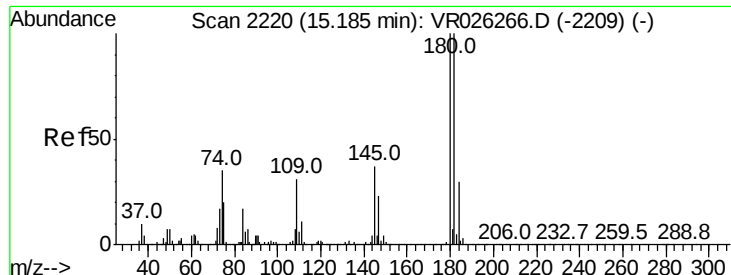
#69
Naphthalene
Concen: 0.671 ug/L
RT: 15.01 min Scan# 2191
Delta R.T. 0.01 min
Lab File: VR026265.D
Acq: 17 Dec 2018 15:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.3	11.1	16.7
129	15.2	8.7	13.1#



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: 0.883 ug/L
 RT: 15.18 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: VR026265.D
 Acq: 17 Dec 2018 15:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.1	112.7
145	33.5	25.8	38.6

