

Data File : VR026256.D
Acq On : 21 Nov 2018 12:10
Operator : SY/MD
Sample : VSTD00197
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00197

Quant Time: Nov 21 13:47:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 13:44:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	524201	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	430803	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	154599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	49504	1.24	ug/L	0.00
7) Chloroethane-d5	2.63	69	42397	1.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	117513	1.16	ug/L	-0.01
20) 2-Butanone-d5	6.60	46	30877	8.34	ug/L	0.01
24) Chloroform-d	7.20	84	79592	1.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	31514	1.03	ug/L	0.00
32) Benzene-d6	7.85	84	149525	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	37456	1.00	ug/L	0.00
41) Toluene-d8	9.97	98	134875	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	10608	1.03	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	19069	8.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15915	1.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	26280	0.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	19.80%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	34907	0.951	ug/L #	79
3) Chloromethane	2.01	50	50783	1.077	ug/L	94
5) Vinyl chloride	2.17	62	47092	1.016	ug/L	91
6) Bromomethane	2.53	94	34760	1.120	ug/L	98
8) Chloroethane	2.66	64	31506	1.086	ug/L	99
9) Trichlorofluoromethane	2.94	101	28750	0.408	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	43887	1.085	ug/L	98
12) 1,1-Dichloroethene	3.63	96	46820	1.064	ug/L	93
13) Acetone	3.71	43	35710	12.832	ug/L	99
14) Carbon disulfide	3.94	76	112086	1.021	ug/L	100
15) Methyl Acetate	4.20	43	9311	1.153	ug/L	98
16) Methylene chloride	4.40	84	45185	1.149	ug/L	82
17) Methyl tert-butyl Ether	4.89	73	42705	0.939	ug/L #	85
18) trans-1,2-Dichloroethene	4.90	96	35243	0.872	ug/L	91
19) 1,1-Dichloroethane	5.69	63	69148	0.954	ug/L	92
21) 2-Butanone	6.70	43	37768	9.640	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	30065	0.826	ug/L #	95
23) Bromochloromethane	7.04	128	10880	0.992	ug/L	84
25) Chloroform	7.23	83	82190	1.045	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	59992	0.985	ug/L	99
30) Cyclohexane	7.53	56	42449	0.783	ug/L	97
31) Carbon tetrachloride	7.64	117	54601	0.986	ug/L	99
33) Benzene	7.91	78	151139	0.960	ug/L	100
34) Trichloroethene	8.71	95	39019	0.936	ug/L	93
35) Methylcyclohexane	8.96	83	48367	0.871	ug/L	98
37) 1,2-Dichloropropane	9.00	63	34194	1.050	ug/L #	97
38) Bromodichloromethane	9.28	83	40802	1.073	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	30394	0.813	ug/L	91
40) 4-Methyl-2-pentanone	9.87	43	85870	9.484	ug/L #	95

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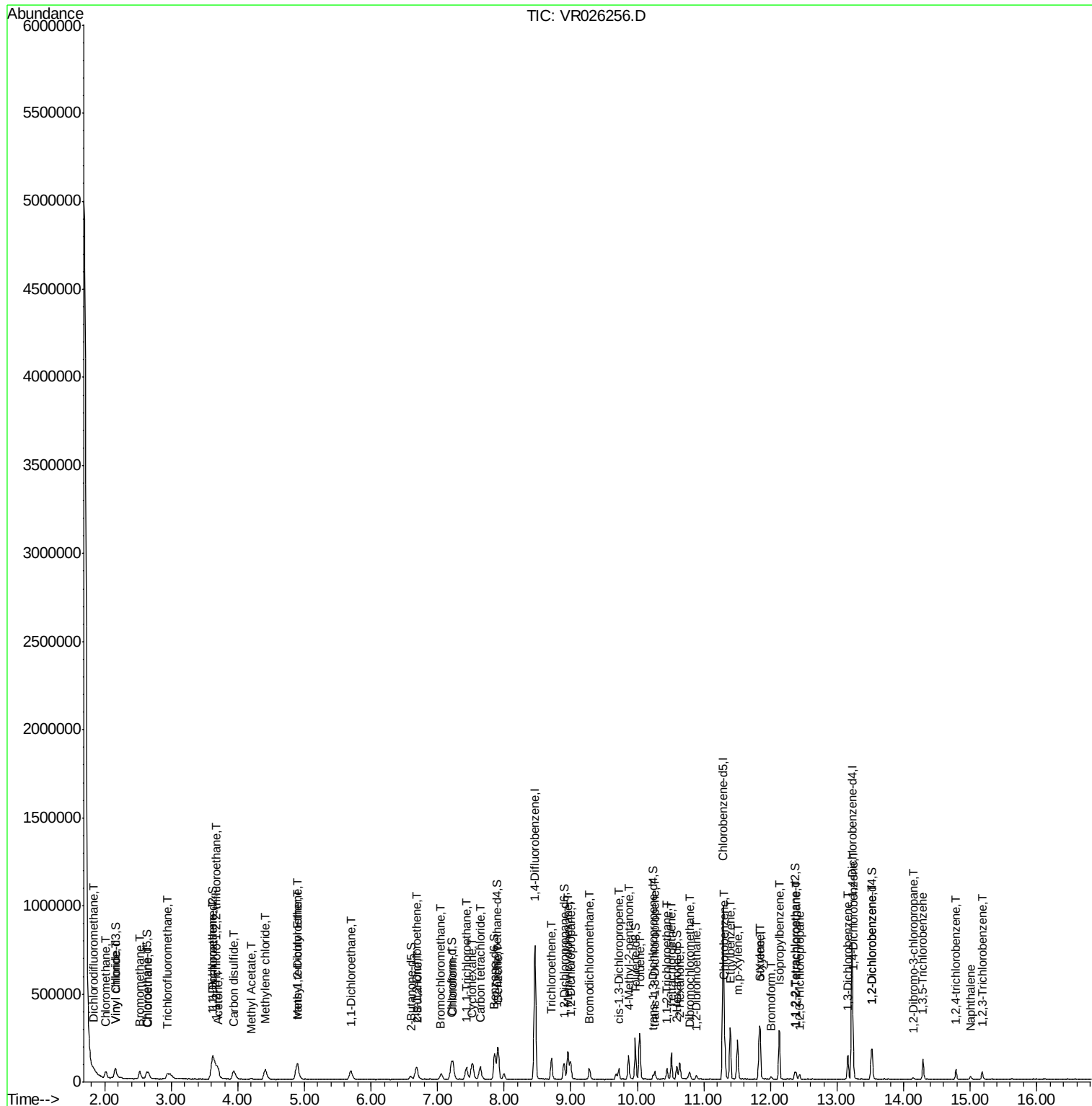
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	163195	0.868	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	21605	0.846	ug/L	89
45) 1,1,2-Trichloroethane	10.45	97	15011	1.071	ug/L	97
47) Tetrachloroethene	10.51	164	26009	0.849	ug/L	97
48) 2-Hexanone	10.63	43	57525	9.459	ug/L	94
49) Dibromochloromethane	10.79	129	16652	0.977	ug/L	94
50) 1,2-Dibromoethane	10.89	107	12635	1.034	ug/L #	84
51) Chlorobenzene	11.32	112	91895	0.999	ug/L	100
52) Ethylbenzene	11.39	91	170184	0.904	ug/L	98
53) m,p-Xylene	11.50	106	61509	0.886	ug/L	95
54) o-Xylene	11.83	106	49549	0.779	ug/L	93
55) Styrene	11.84	104	83333	0.859	ug/L	100
56) Isopropylbenzene	12.13	105	143701	0.825	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	13750	1.008	ug/L #	99
59) 1,2,3-Trichloropropane	12.44	75	9504	0.929	ug/L	91
61) Bromoform	12.01	173	6039	1.019	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	44407	0.902	ug/L	90
63) 1,4-Dichlorobenzene	13.24	146	55522	1.046	ug/L	88
65) 1,2-Dichlorobenzene	13.53	146	39499	0.977	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.15	75	1602	1.185	ug/L #	60
67) 1,3,5-Trichlorobenzene	14.30	180	29158	0.915	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	13458	0.747	ug/L	88
69) Naphthalene	15.01	128	11175	0.637	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.18	180	11203	0.869	ug/L	98

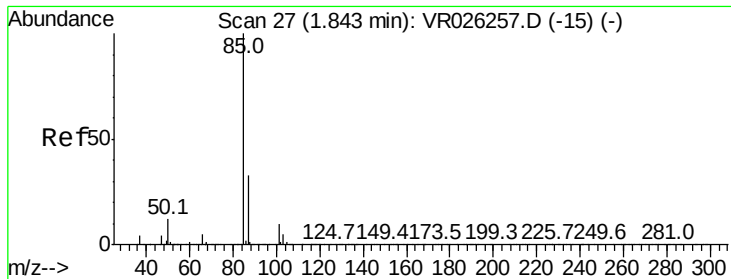
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.951 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

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Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

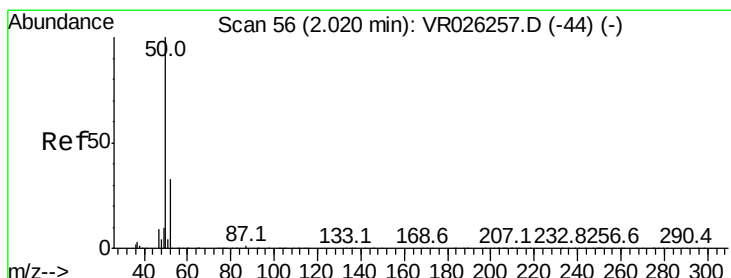
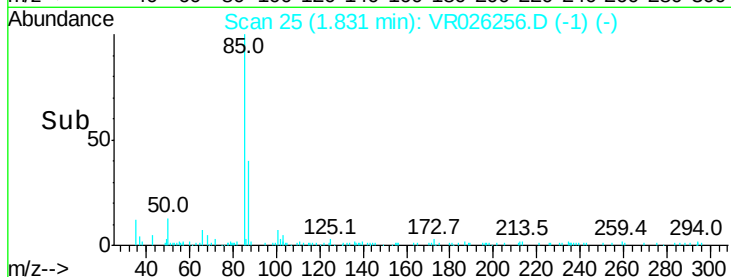
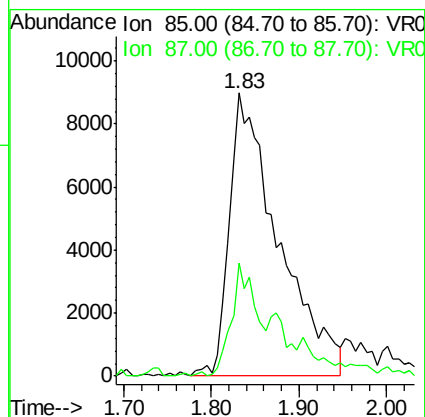
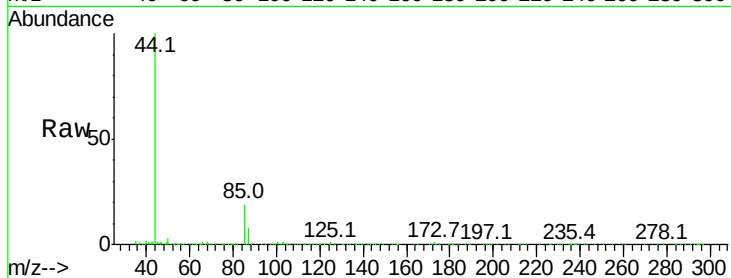
VSTD00197

Tgt Ion: 85 Resp: 34907

Ion Ratio Lower Upper

85 100

87 20.2 25.6 38.4#



#3

Chloromethane

Concen: 1.077 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026256.D

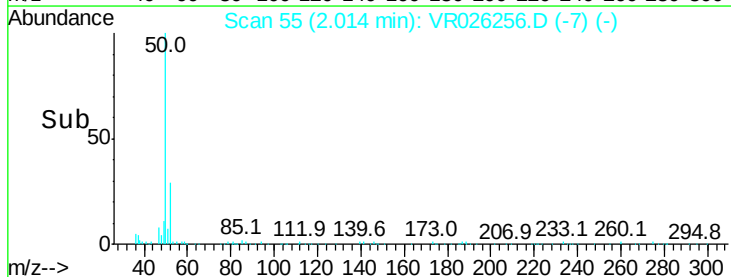
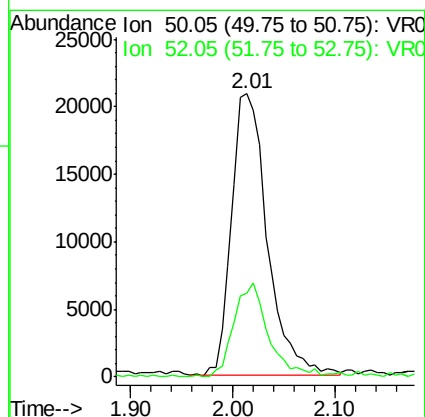
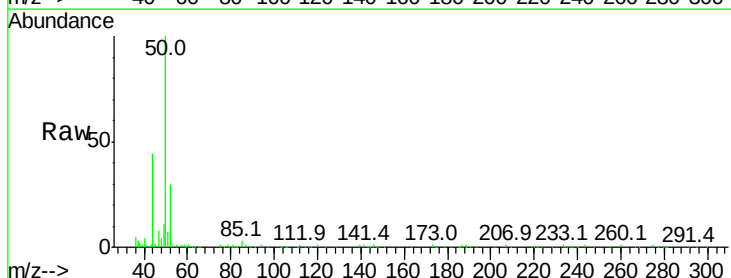
Acq: 21 Nov 2018 12:10

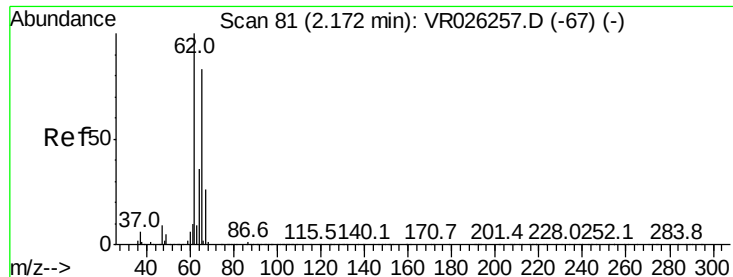
Tgt Ion: 50 Resp: 50783

Ion Ratio Lower Upper

50 100

52 29.6 23.0 42.8





#5

Vinyl chloride

Concen: 1.016 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.01 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

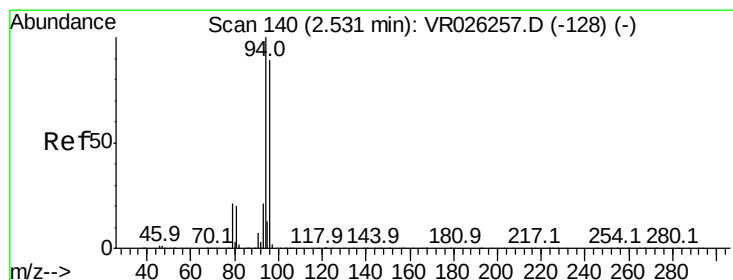
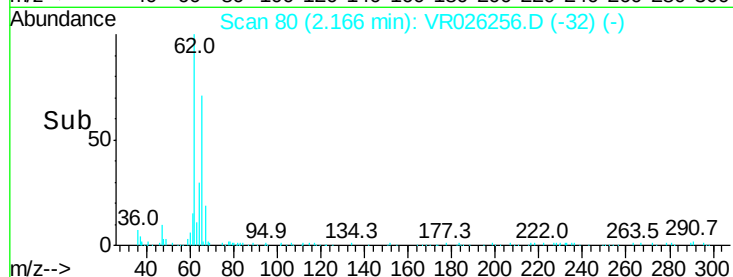
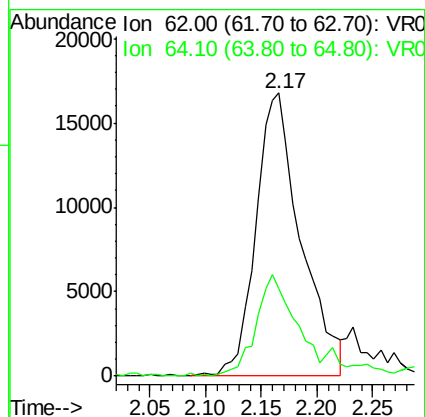
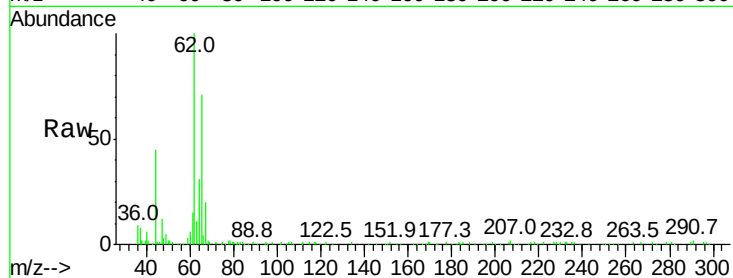
VSTD00197

Tgt Ion: 62 Resp: 47092

Ion Ratio Lower Upper

62 100

64 30.8 25.1 46.7



#6

Bromomethane

Concen: 1.120 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR026256.D

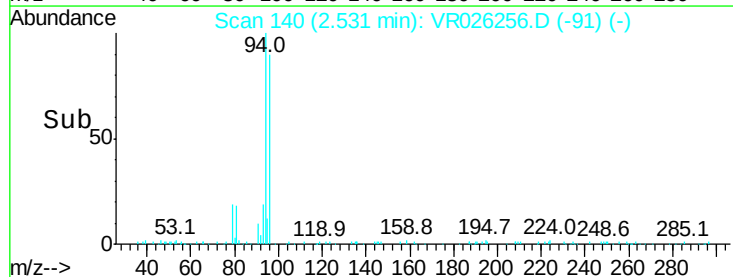
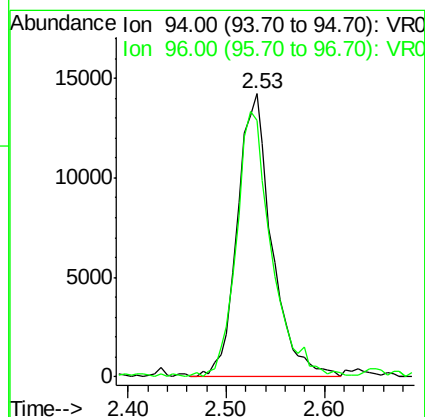
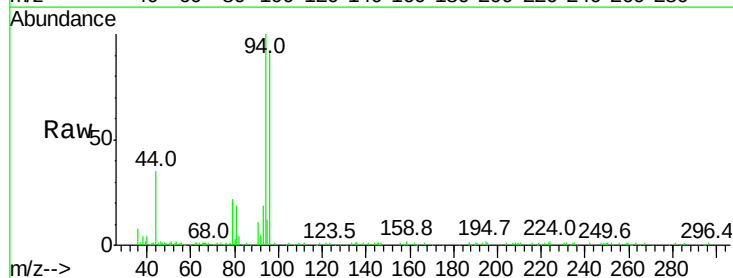
Acq: 21 Nov 2018 12:10

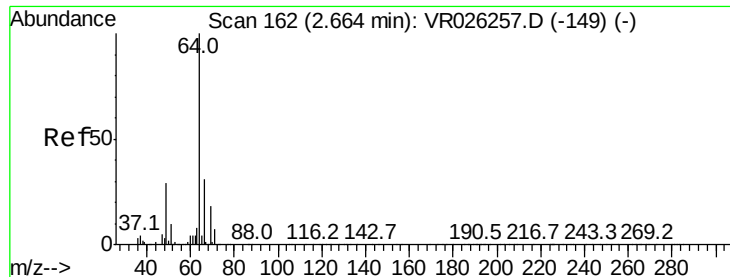
Tgt Ion: 94 Resp: 34760

Ion Ratio Lower Upper

94 100

96 90.5 62.4 115.8





#8

Chloroethane

Concen: 1.086 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.01 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

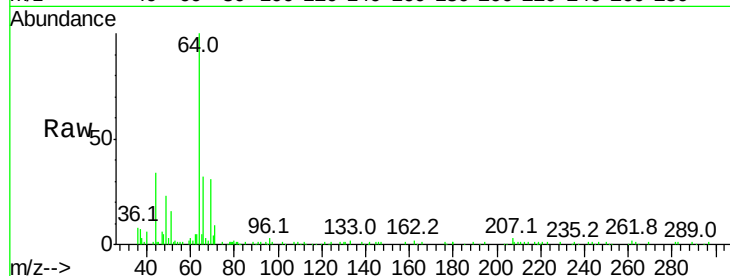
VSTD00197

Tgt Ion: 64 Resp: 31506

Ion Ratio Lower Upper

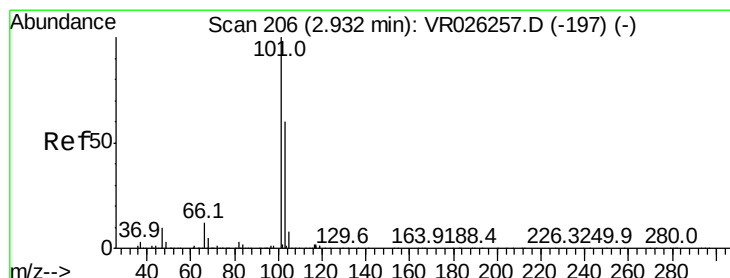
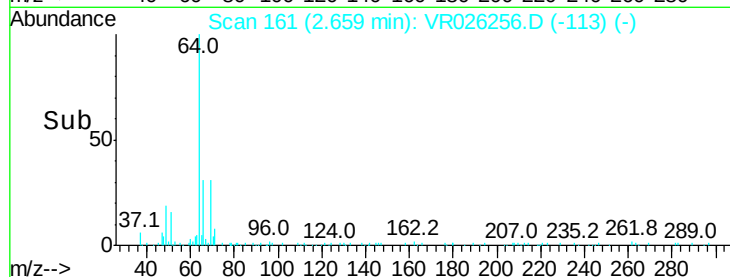
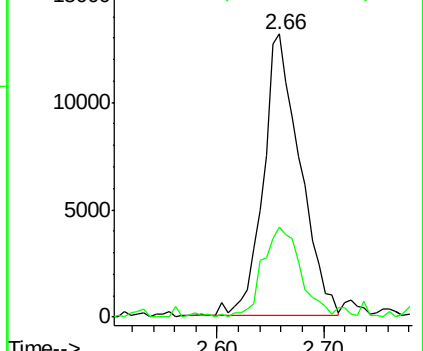
64 100

66 31.7 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.408 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026256.D

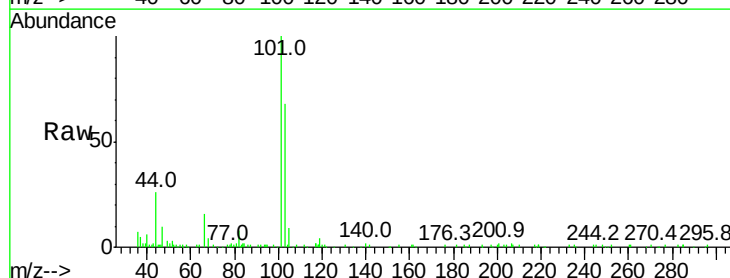
Acq: 21 Nov 2018 12:10

Tgt Ion: 101 Resp: 28750

Ion Ratio Lower Upper

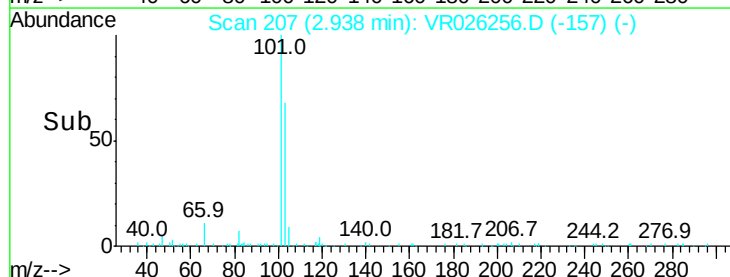
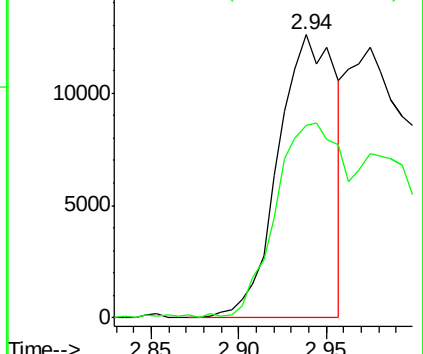
101 100

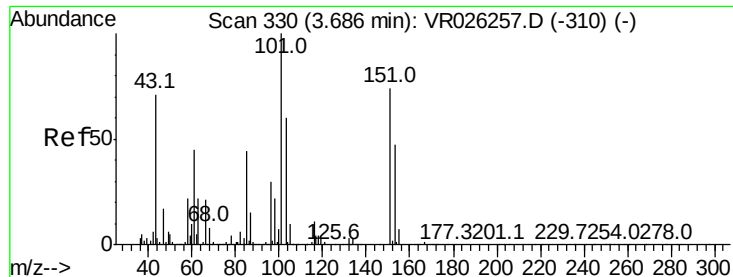
103 80.8 18.6 28.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 1.085 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

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ClientSampleId :

VSTD00197

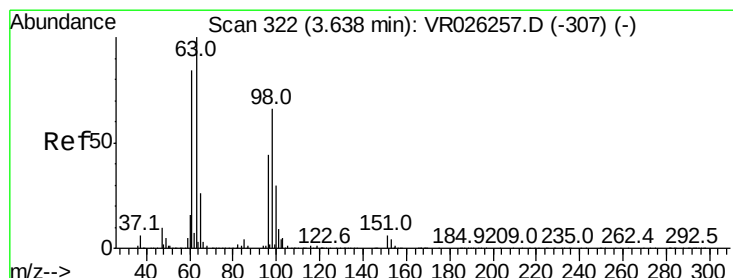
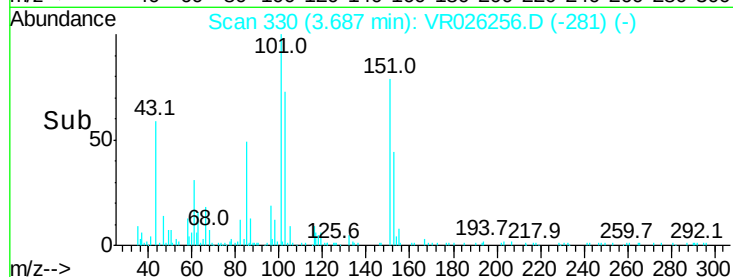
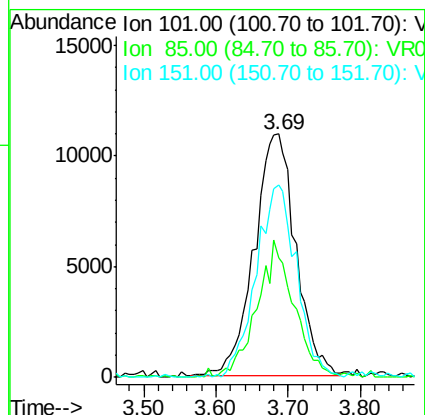
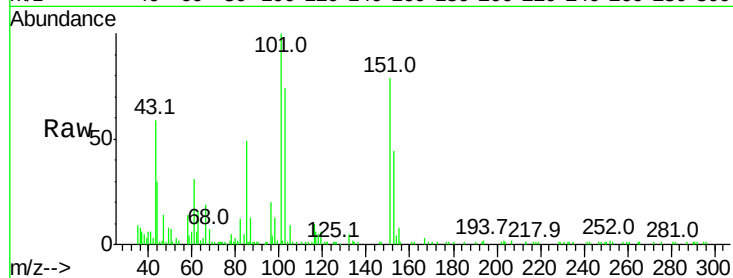
Tgt Ion:101 Resp: 43887

Ion Ratio Lower Upper

101 100

85 49.3 37.0 55.6

151 77.0 61.1 91.7



#12

1,1-Dichloroethene

Concen: 1.064 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

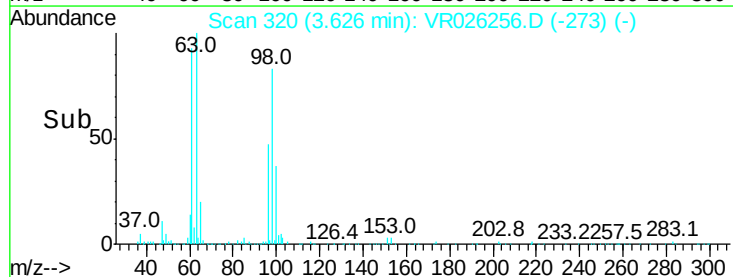
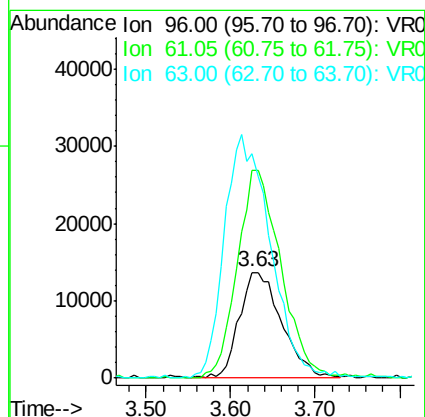
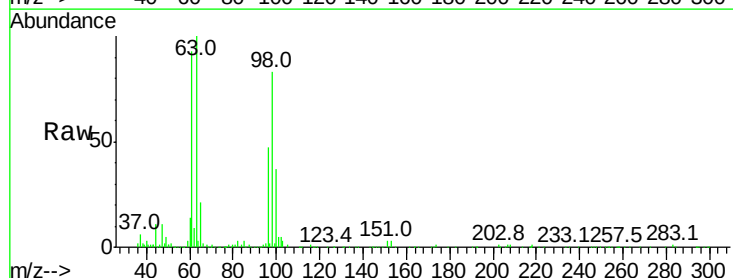
Tgt Ion: 96 Resp: 46820

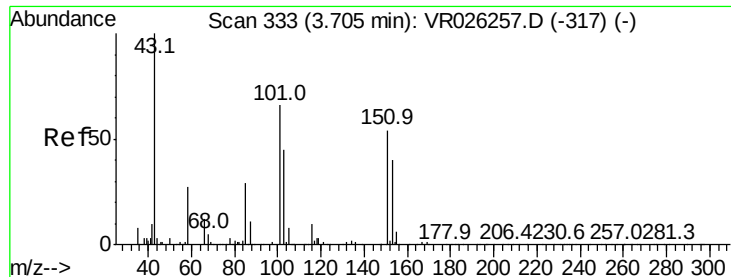
Ion Ratio Lower Upper

96 100

61 197.0 135.5 251.7

63 212.4 160.5 298.1





#13

Acetone

Concen: 12.832 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.01 min

Lab File: VR026256.D

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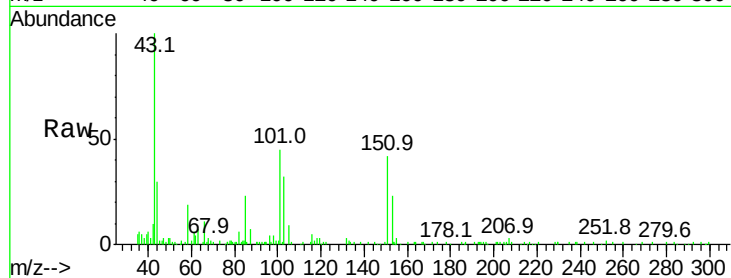
VSTD00197

Tgt Ion: 43 Resp: 35710

Ion Ratio Lower Upper

43 100

58 29.1 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

15000

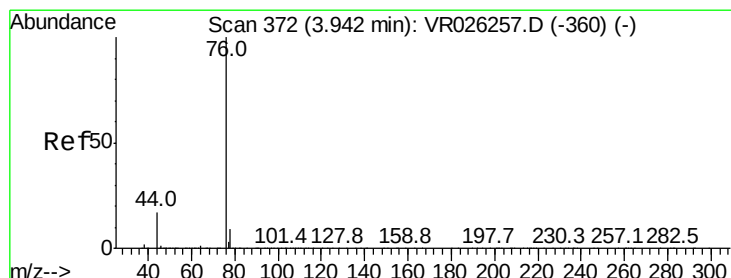
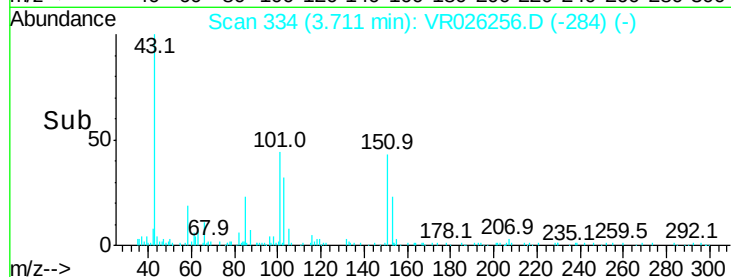
10000

5000

0

3.60 3.65 3.70 3.75 3.80

Time-->



#14

Carbon disulfide

Concen: 1.021 ug/L

RT: 3.94 min Scan# 372

Delta R.T. 0.00 min

Lab File: VR026256.D

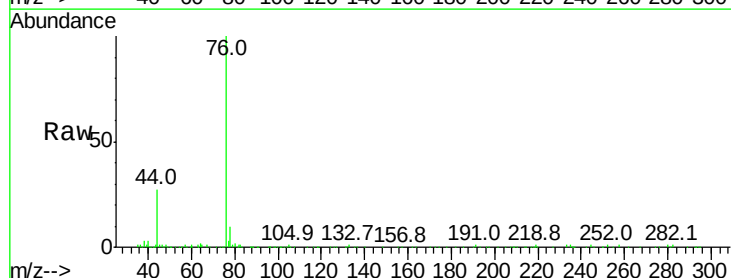
Acq: 21 Nov 2018 12:10

Tgt Ion: 76 Resp: 112086

Ion Ratio Lower Upper

76 100

78 9.7 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

30000

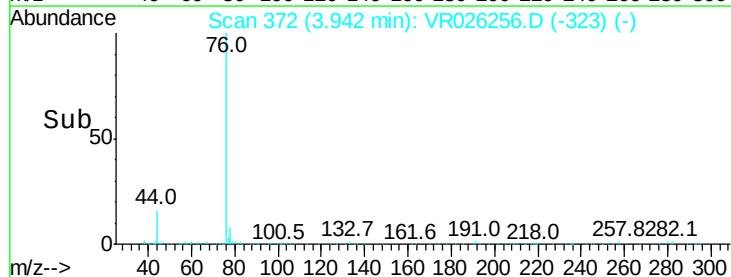
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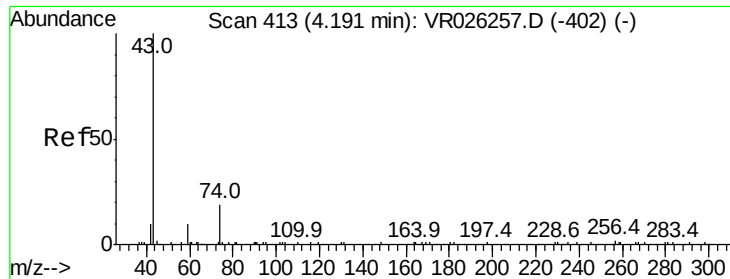
10000

0

3.80 3.90 4.00 4.10

Time-->





#15

Methyl Acetate

Concen: 1.153 ug/L

RT: 4.20 min Scan# 415

Delta R.T. 0.01 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

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ClientSampleId :

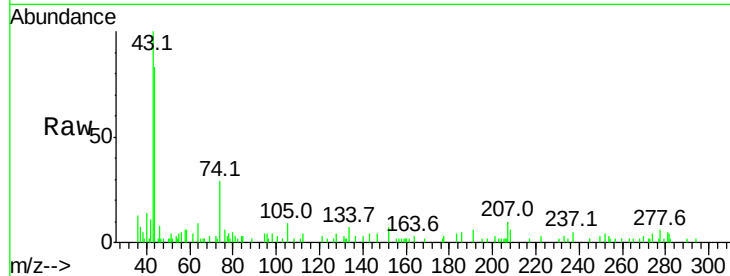
VSTD00197

Tgt Ion: 43 Resp: 9311

Ion Ratio Lower Upper

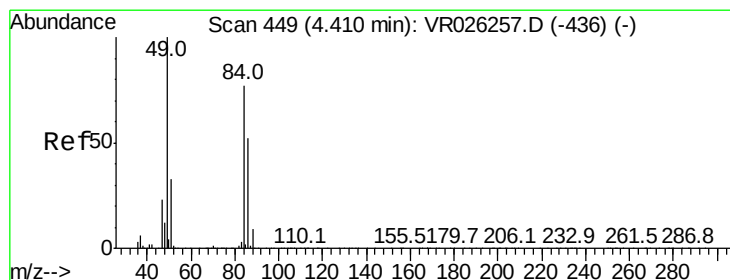
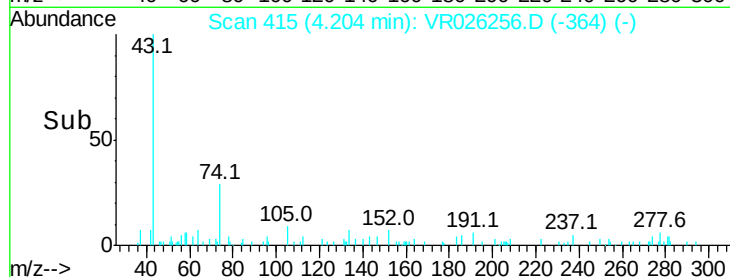
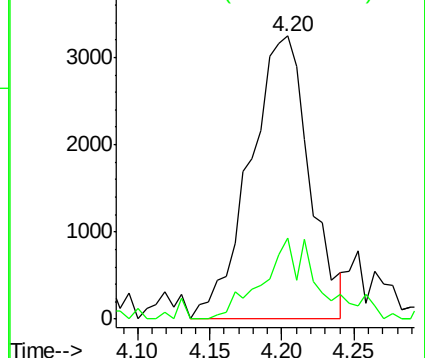
43 100

74 27.4 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 1.149 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.01 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

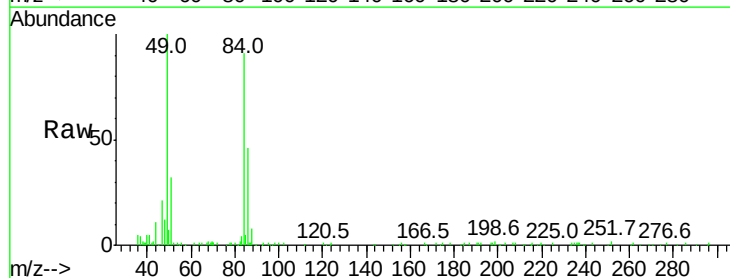
Tgt Ion: 84 Resp: 45185

Ion Ratio Lower Upper

84 100

86 51.8 46.8 87.0

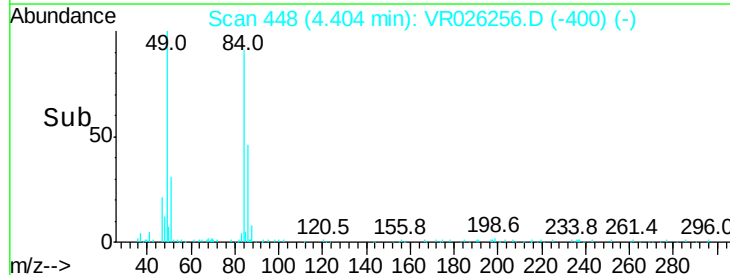
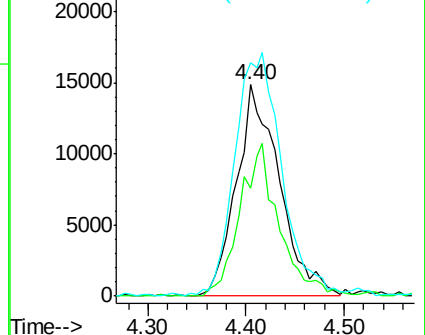
49 110.2 90.8 168.6

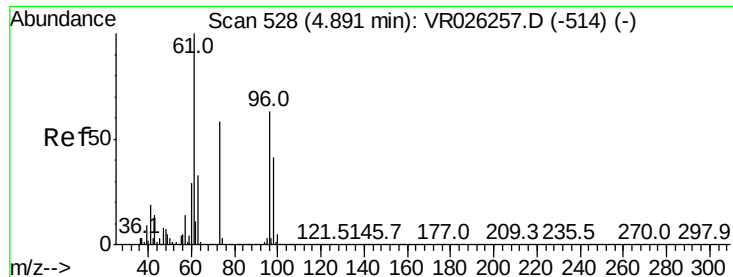


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 0.939 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.00 min

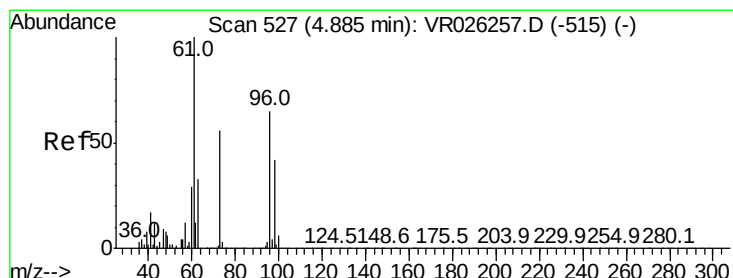
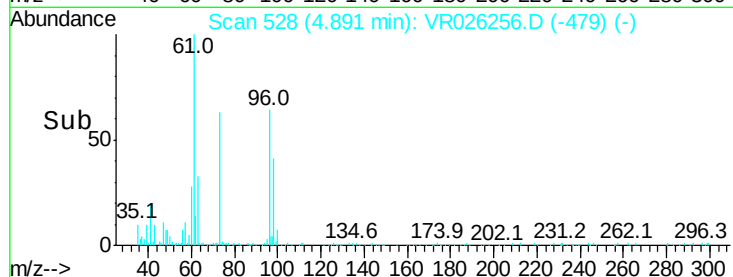
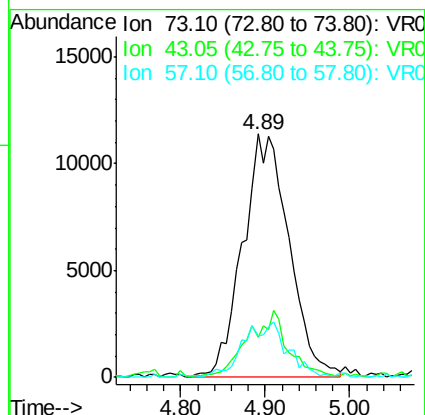
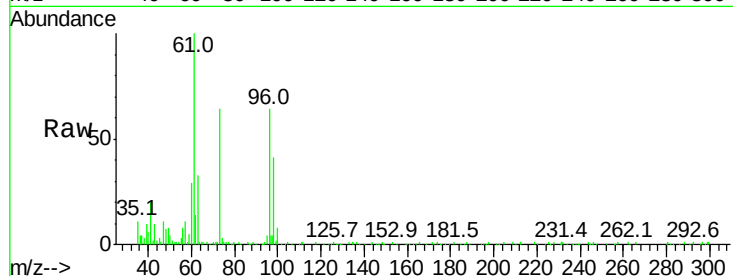
Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :
MSVOA_R
ClientSampleId :
VSTD00197

Tgt Ion: 73 Resp: 42705

Ion	Ratio	Lower	Upper
73	100		
43	23.9	19.0	28.6
57	9.0	18.6	28.0



#18

trans-1,2-Dichloroethene

Concen: 0.872 ug/L

RT: 4.90 min Scan# 529

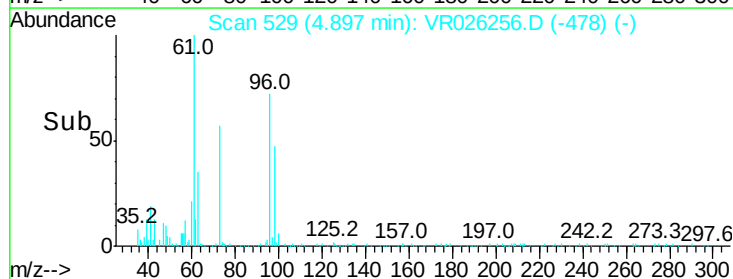
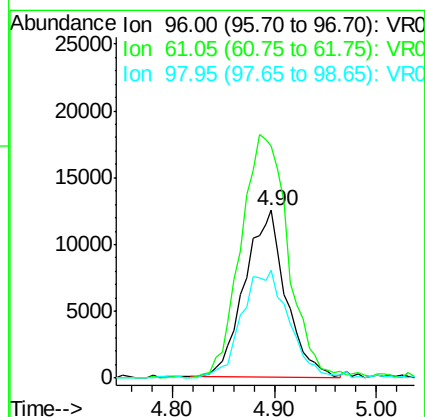
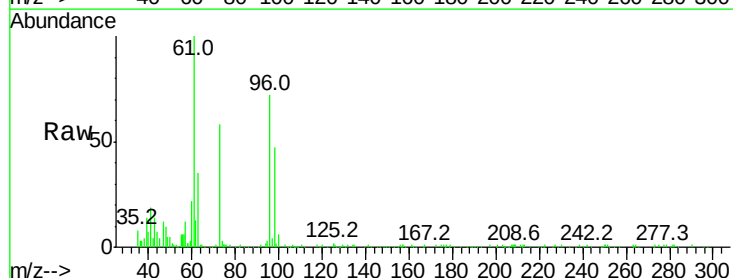
Delta R.T. 0.01 min

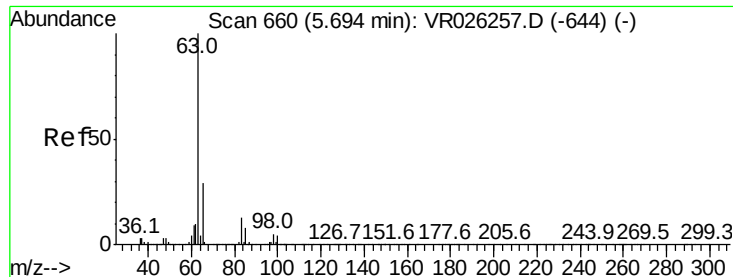
Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Tgt Ion: 96 Resp: 35243

Ion	Ratio	Lower	Upper
96	100		
61	138.2	108.4	201.4
98	64.5	45.2	84.0

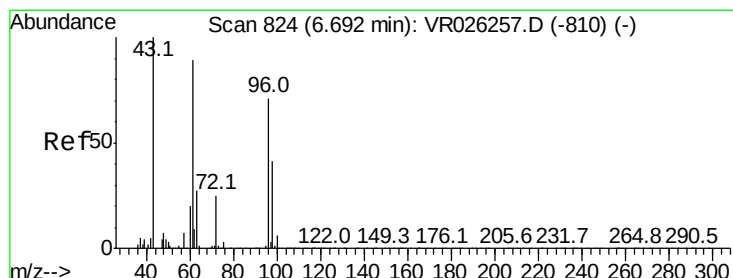
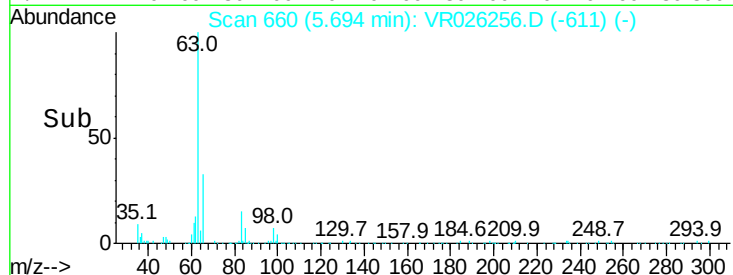
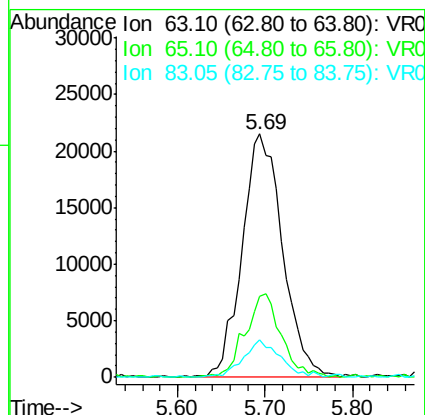
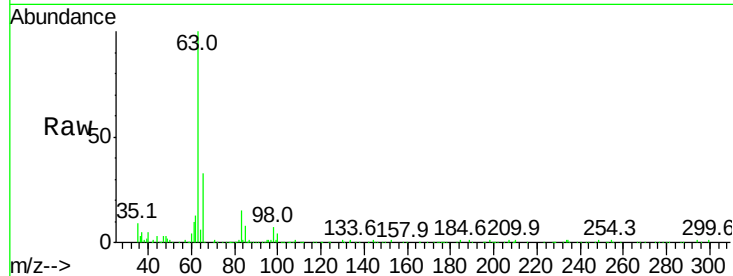




#19
 1,1-Dichloroethane
 Concen: 0.954 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026256.D
 Acq: 21 Nov 2018 12:10

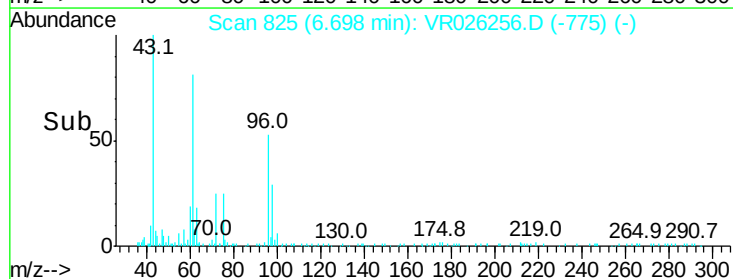
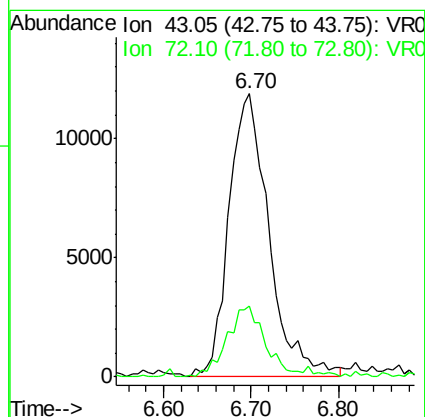
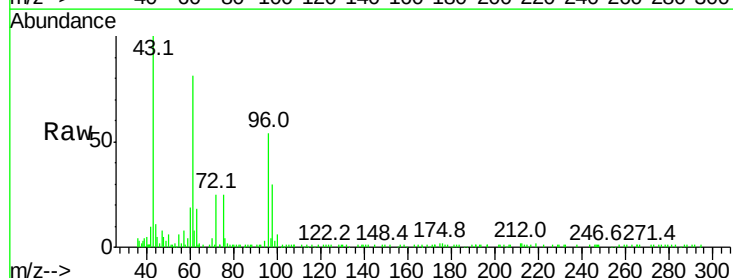
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00197

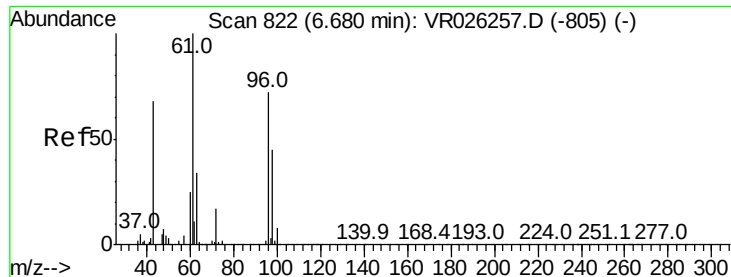
Tgt Ion: 63 Resp: 69148
 Ion Ratio Lower Upper
 63 100
 65 33.2 20.0 37.2
 83 15.2 8.9 16.5



#21
 2-Butanone
 Concen: 9.640 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VR026256.D
 Acq: 21 Nov 2018 12:10

Tgt Ion: 43 Resp: 37768
 Ion Ratio Lower Upper
 43 100
 72 23.5 12.3 36.8



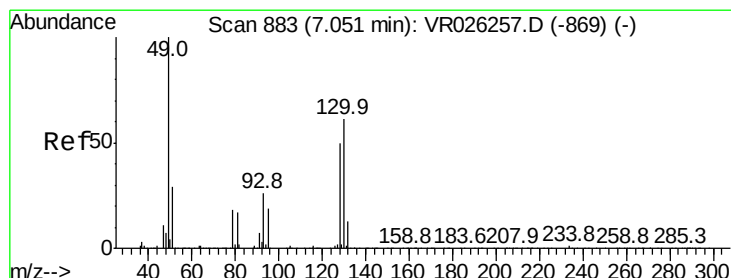
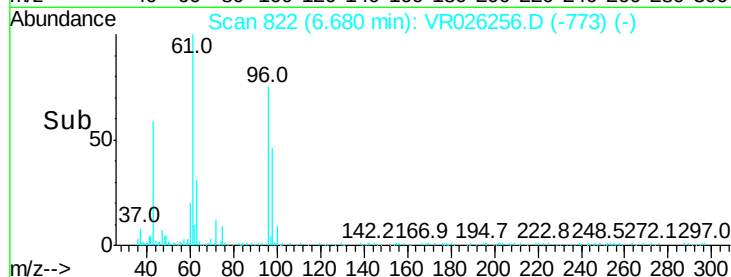
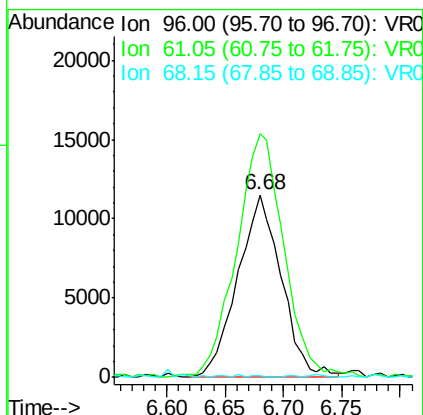
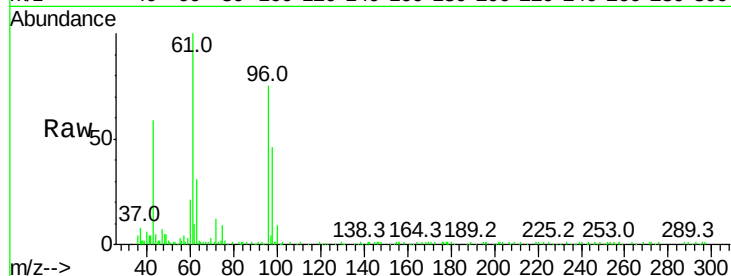


#22

cis-1,2-Dichloroethene
Concen: 0.826 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.00 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

Instrument :
MSVOA_R
ClientSampleId :
VSTD00197

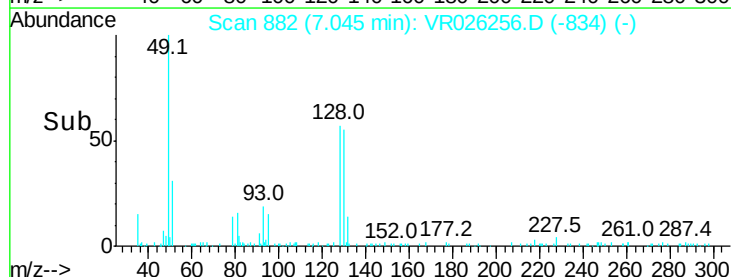
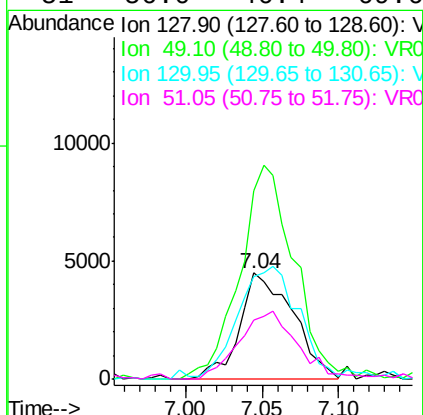
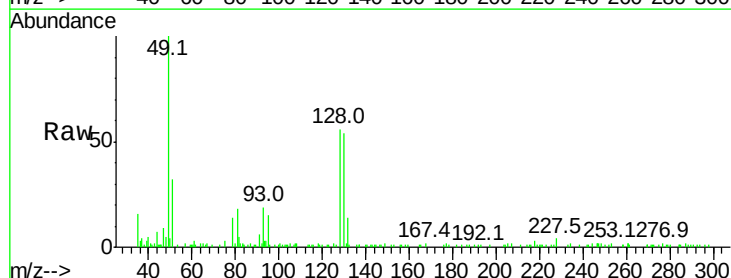
Tgt Ion: 96 Resp: 30065
Ion Ratio Lower Upper
96 100
61 133.4 97.6 181.4
68 1.2 0.0 0.0#

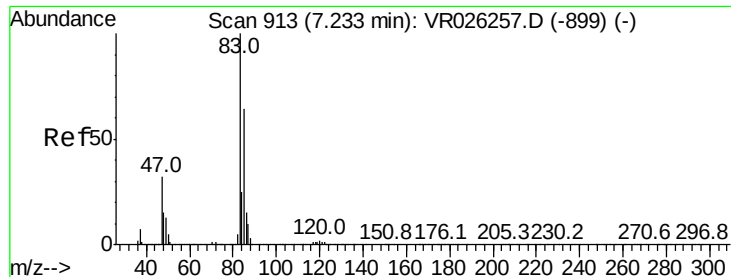


#23

Bromochloromethane
Concen: 0.992 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

Tgt Ion:128 Resp: 10880
Ion Ratio Lower Upper
128 100
49 177.3 140.3 260.6
130 96.0 85.2 158.2
51 56.0 46.4 69.6

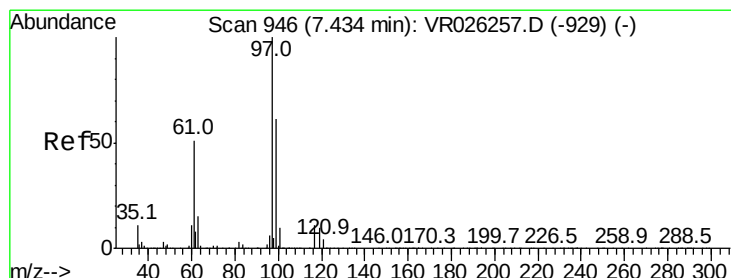
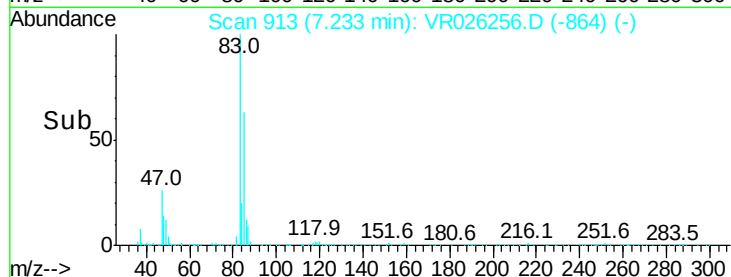
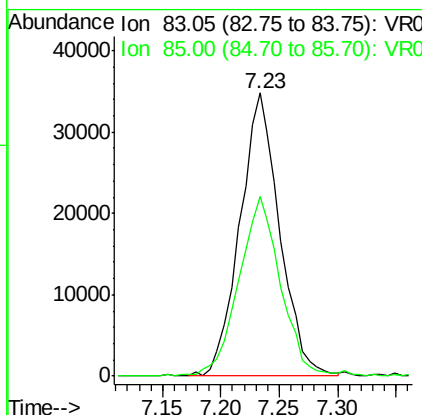
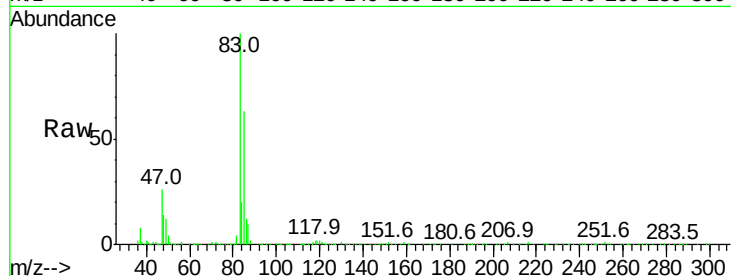




#25
Chloroform
Concen: 1.045 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

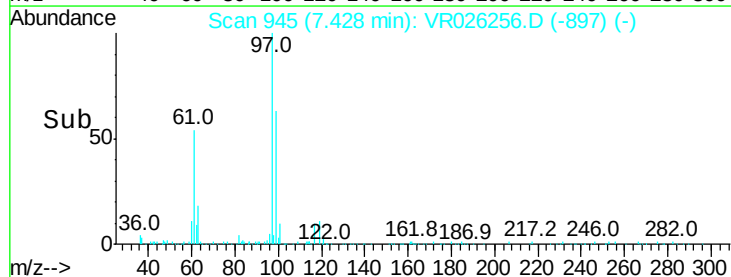
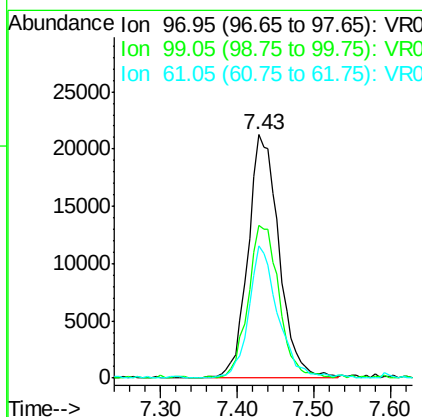
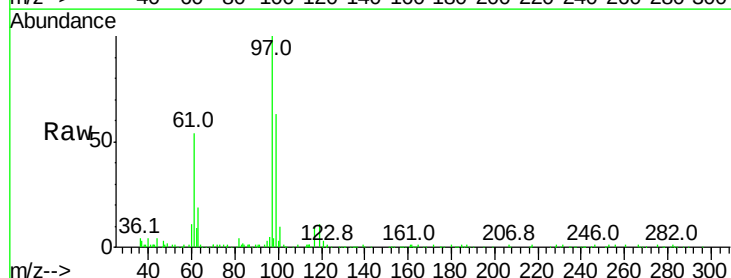
Instrument :
MSVOA_R
ClientSampleId :
VSTD00197

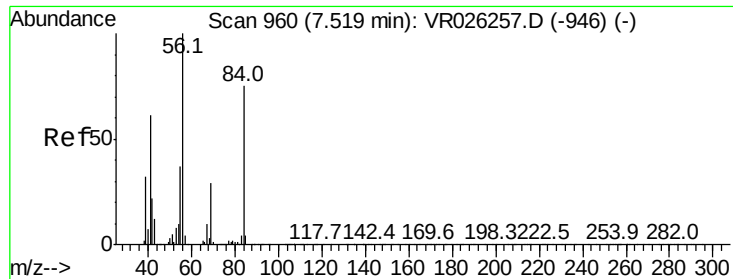
Tgt Ion: 83 Resp: 82190
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.9



#29
1,1,1-Trichloroethane
Concen: 0.985 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.01 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

Tgt Ion: 97 Resp: 59992
Ion Ratio Lower Upper
97 100
99 62.7 50.7 76.1
61 50.8 40.2 60.4

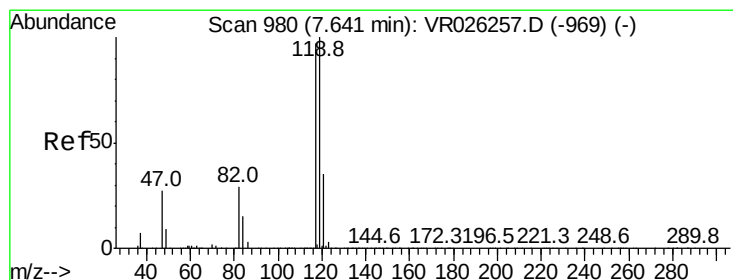
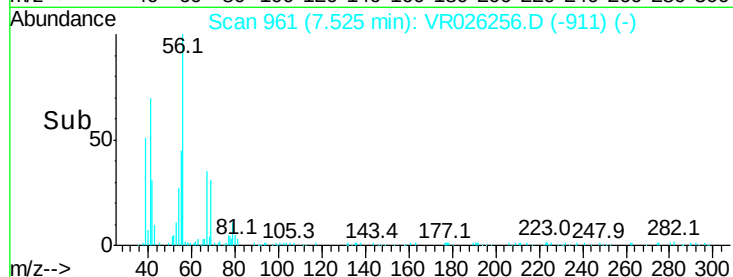
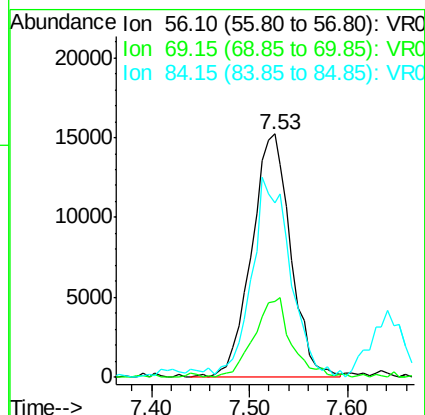
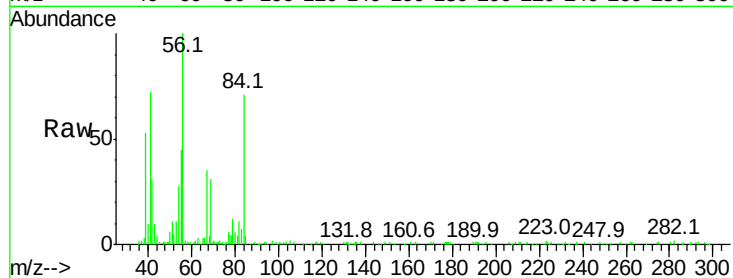




#30
Cyclohexane
Concen: 0.783 ug/L
RT: 7.53 min Scan# 961
Delta R.T. 0.01 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

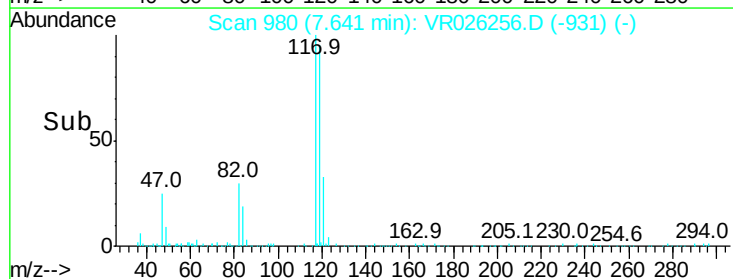
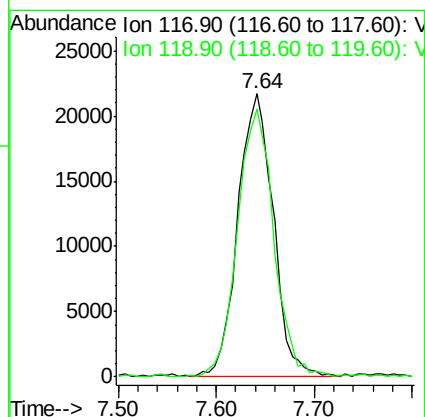
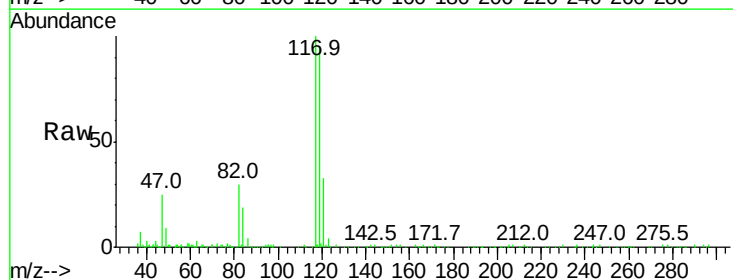
Instrument :
MSVOA_R
ClientSampleId :
VSTD00197

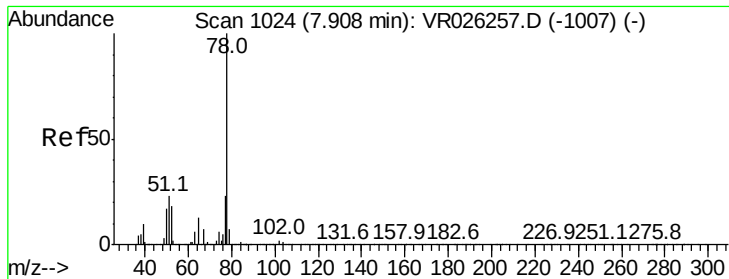
Tgt Ion: 56 Resp: 42449
Ion Ratio Lower Upper
56 100
69 31.1 23.8 35.8
84 81.2 62.4 93.6



#31
Carbon tetrachloride
Concen: 0.986 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.00 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

Tgt Ion: 117 Resp: 54601
Ion Ratio Lower Upper
117 100
119 96.7 77.0 115.4





#33

Benzene

Concen: 0.960 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

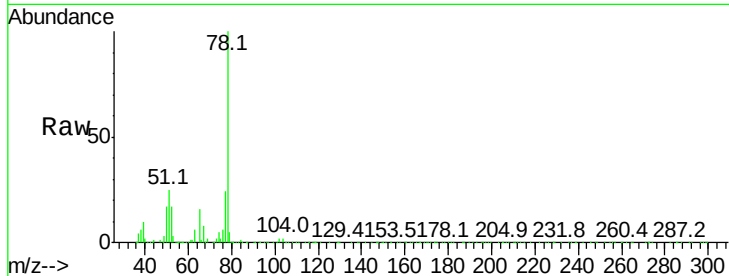
Instrument :

MSVOA_R

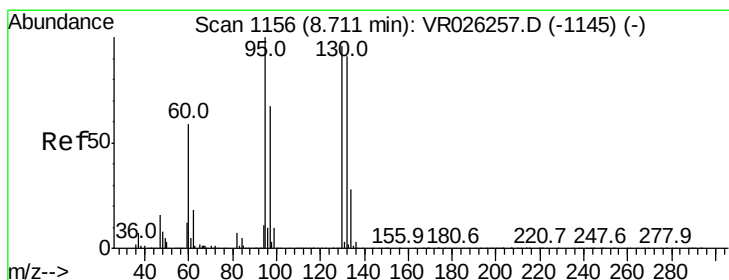
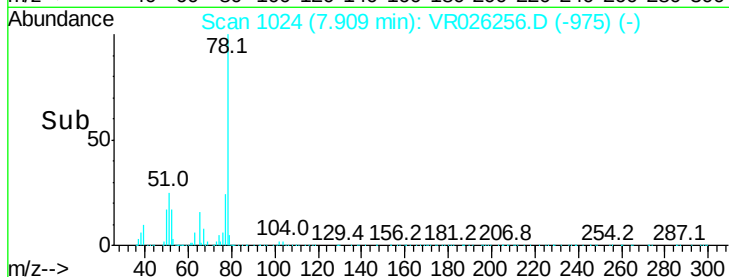
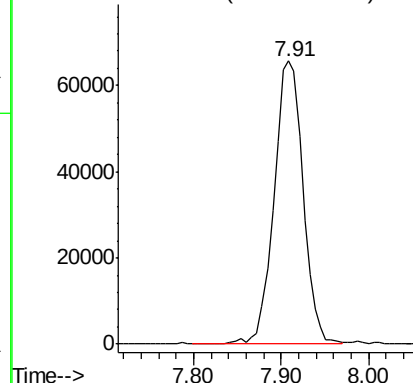
ClientSampleId :

VSTD00197

Tgt Ion: 78 Resp: 151139



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.936 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Tgt Ion: 95 Resp: 39019

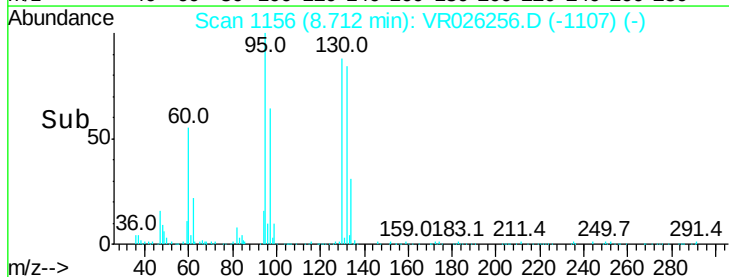
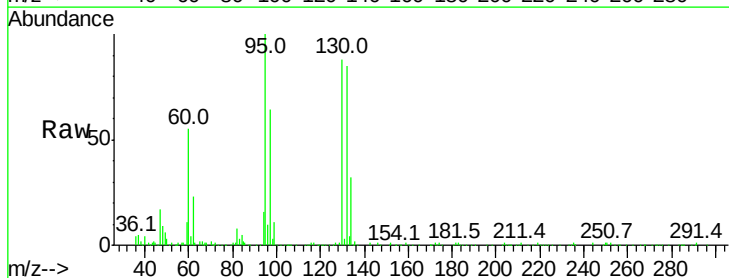
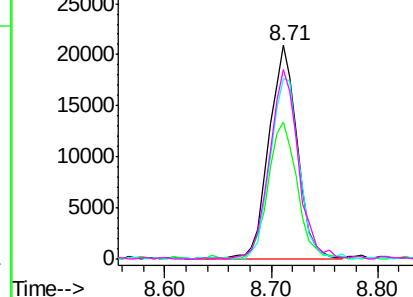
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.8	87.0
132	84.6	63.9	118.7
130	88.4	67.4	125.2

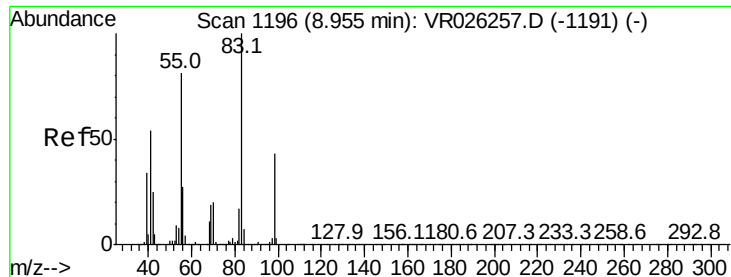
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

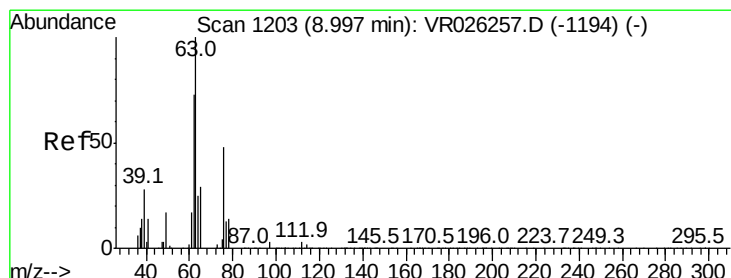
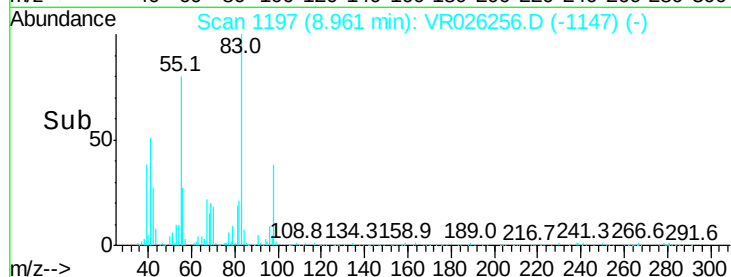
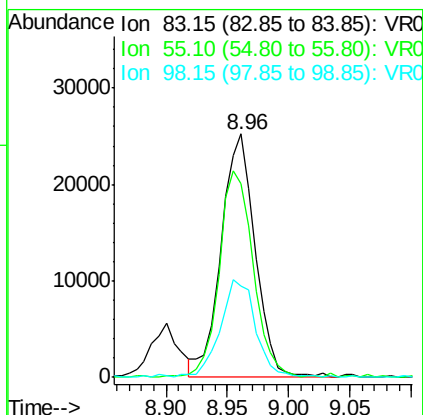
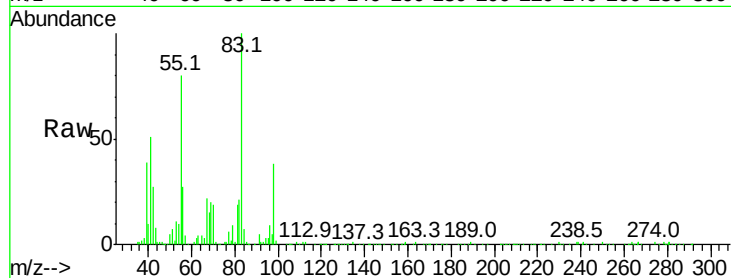




#35
Methylcyclohexane
Concen: 0.871 ug/L
RT: 8.96 min Scan# 1197
Delta R.T. 0.01 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

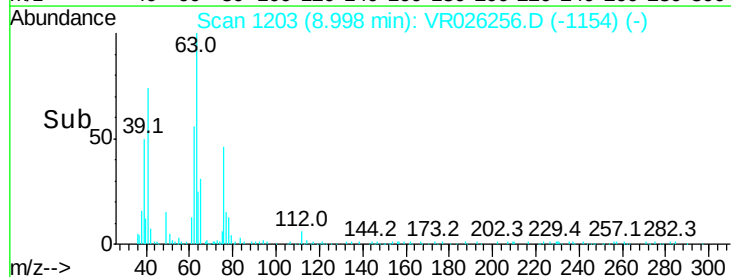
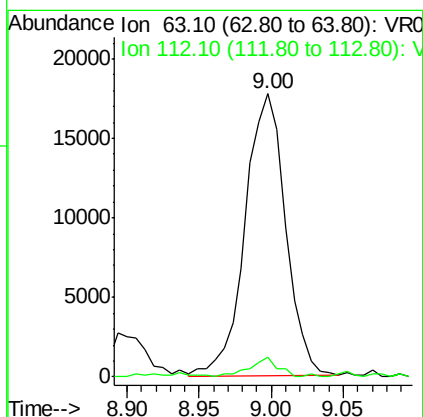
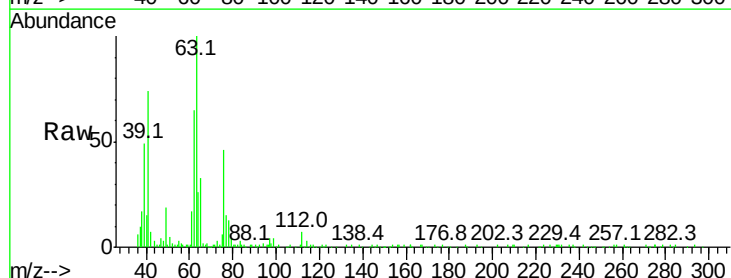
Instrument :
MSVOA_R
ClientSampleId :
VSTD00197

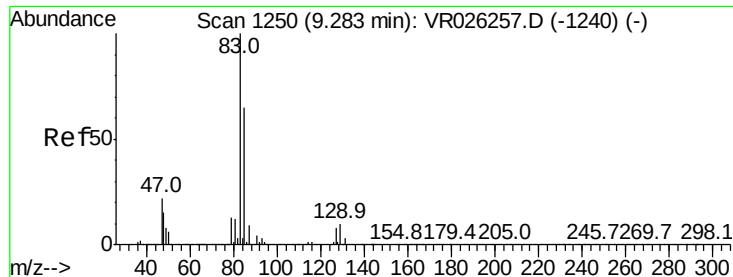
Tgt Ion: 83 Resp: 48367
Ion Ratio Lower Upper
83 100
55 84.5 66.8 100.2
98 42.0 34.8 52.2



#37
1,2-Dichloropropane
Concen: 1.050 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

Tgt Ion: 63 Resp: 34194
Ion Ratio Lower Upper
63 100
112 4.9 3.0 4.6#





#38

Bromodichloromethane

Concen: 1.073 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD00197

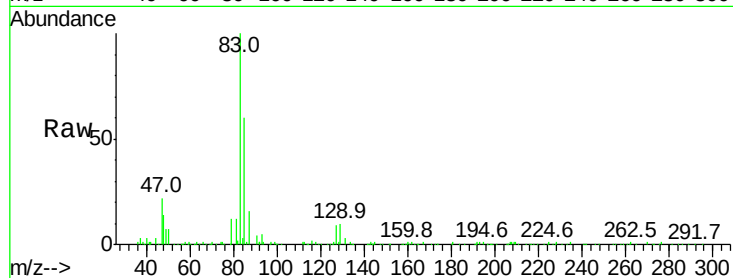
Tgt Ion: 83 Resp: 40802

Ion Ratio Lower Upper

83 100

85 59.6 45.5 84.5

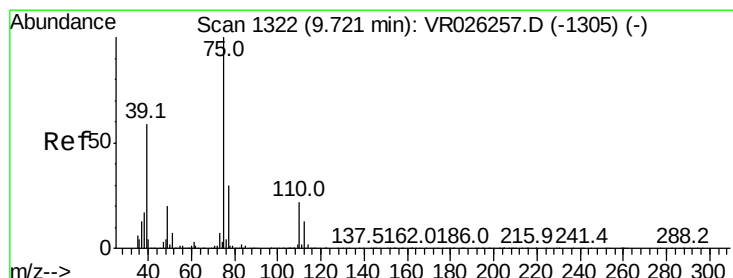
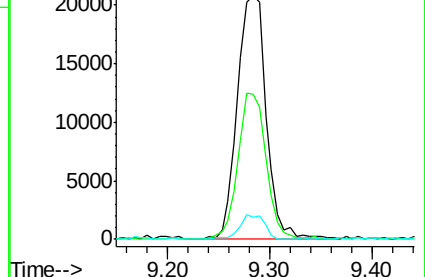
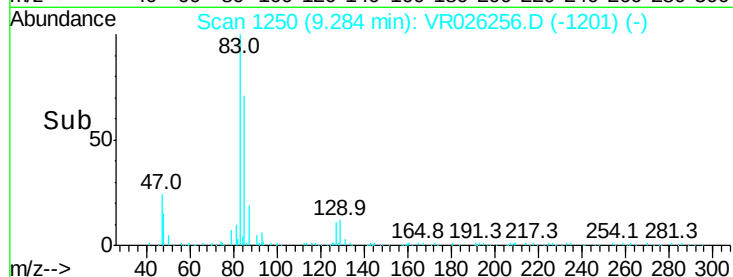
127 8.9 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): VR0



#39

cis-1,3-Dichloropropene

Concen: 0.813 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026256.D

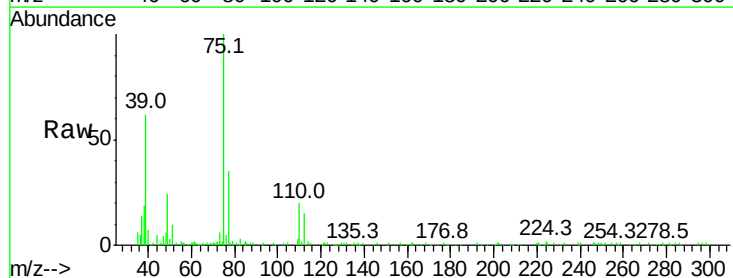
Acq: 21 Nov 2018 12:10

Tgt Ion: 75 Resp: 30394

Ion Ratio Lower Upper

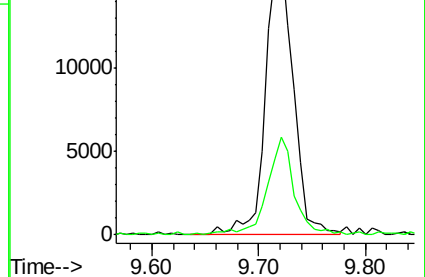
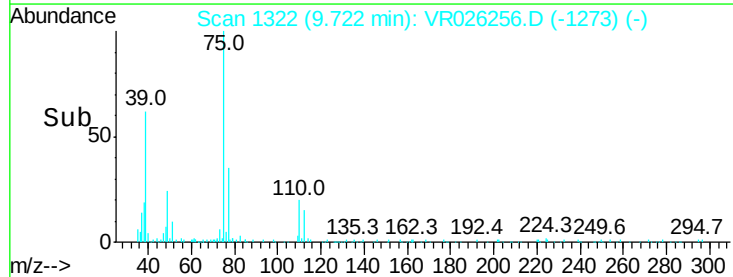
75 100

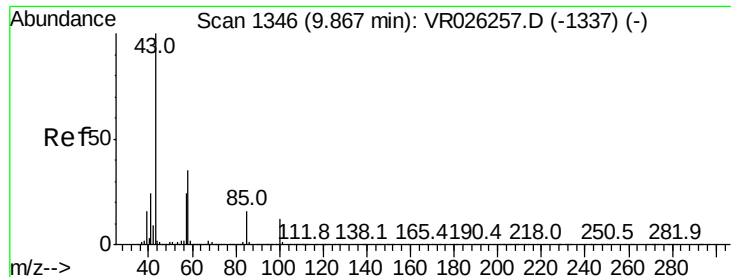
77 34.7 20.9 38.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

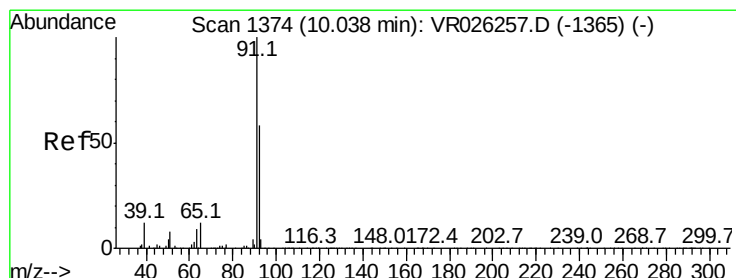
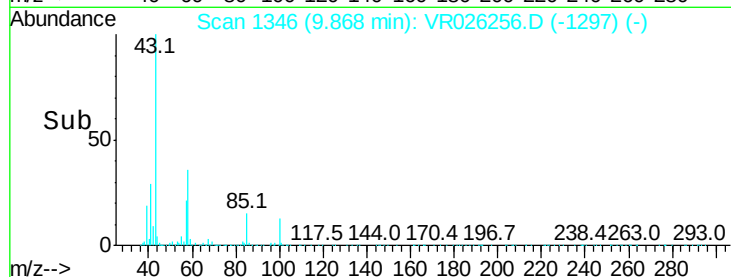
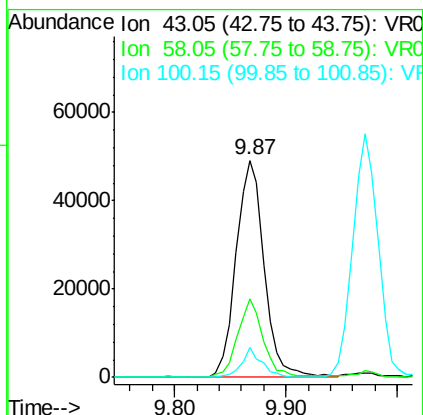
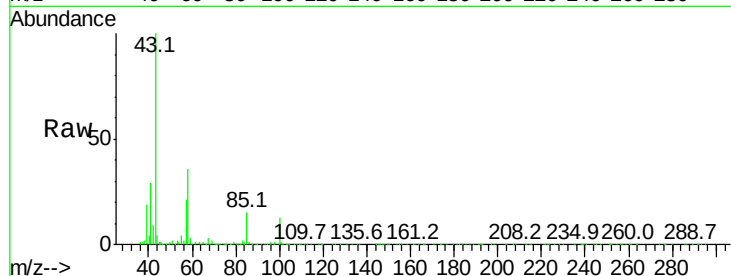




#40
4-Methyl-2-pentanone
Concen: 9.484 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

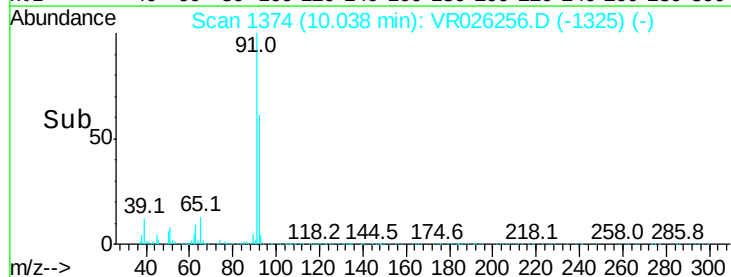
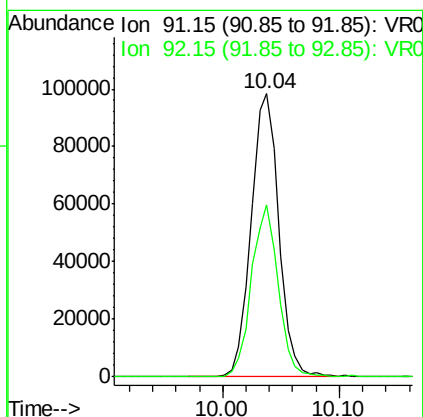
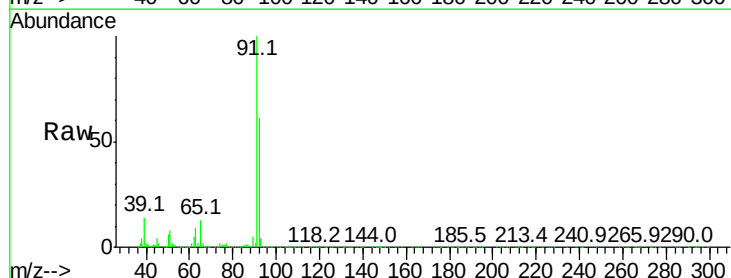
Instrument :
MSVOA_R
ClientSampleId :
VSTD00197

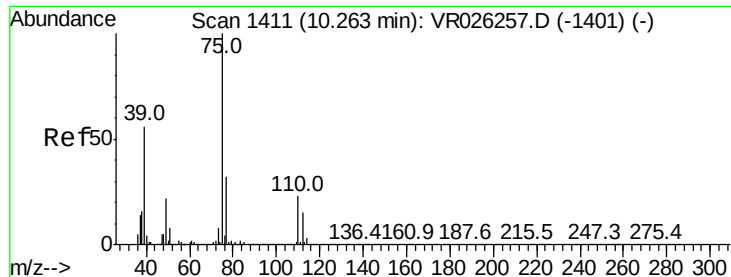
Tgt Ion: 43 Resp: 85870
Ion Ratio Lower Upper
43 100
58 32.9 28.6 42.8
100 10.0 10.0 15.0#



#42
Toluene
Concen: 0.868 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VR026256.D
Acq: 21 Nov 2018 12:10

Tgt Ion: 91 Resp: 163195
Ion Ratio Lower Upper
91 100
92 60.9 40.5 75.1





#44

trans-1,3-Dichloropropene

Concen: 0.846 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

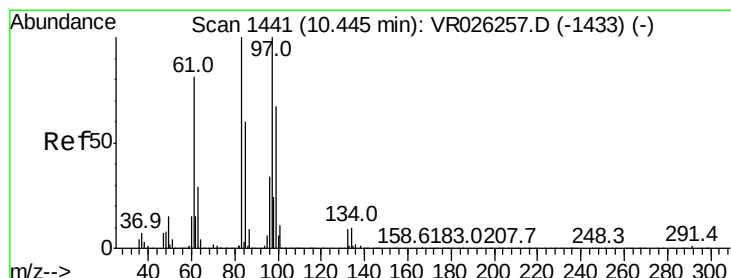
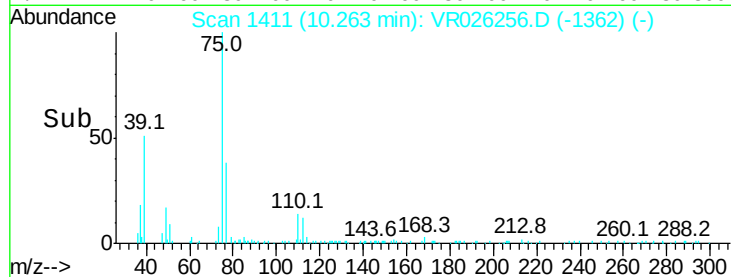
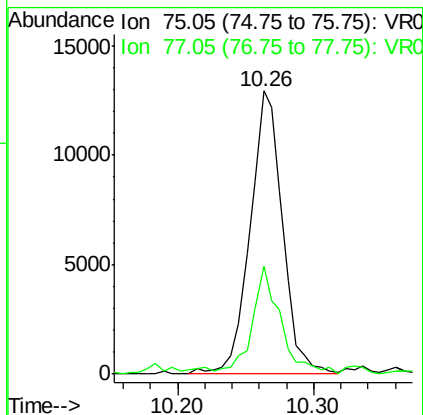
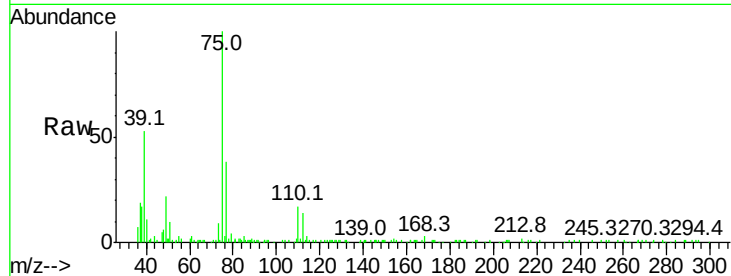
VSTD00197

Tgt Ion: 75 Resp: 21605

Ion Ratio Lower Upper

75 100

77 38.2 22.4 41.6



#45

1,1,2-Trichloroethane

Concen: 1.071 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Tgt Ion: 97 Resp: 15011

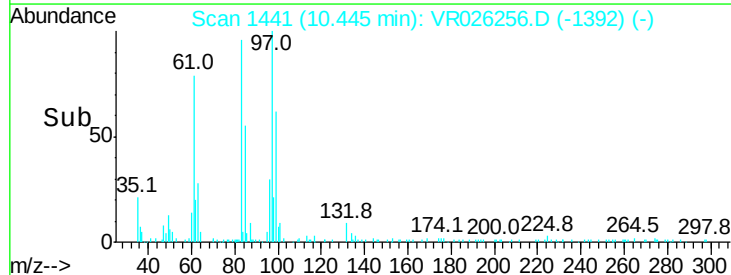
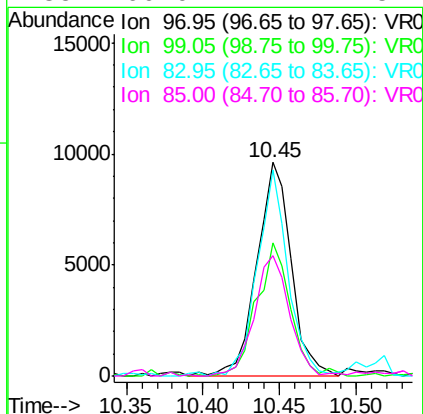
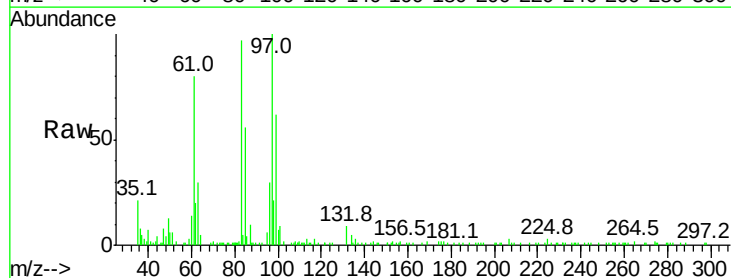
Ion Ratio Lower Upper

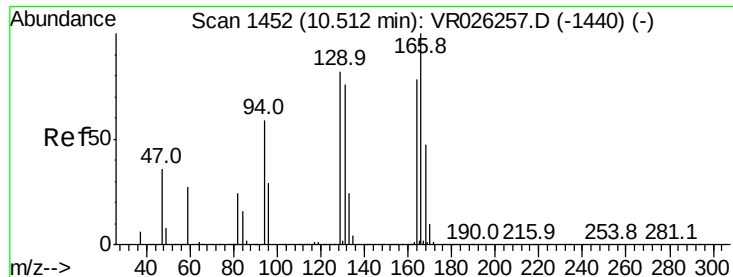
97 100

99 62.4 46.8 86.8

83 96.6 70.1 130.3

85 60.0 42.1 78.1





#47

Tetrachloroethene

Concen: 0.849 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD00197

Tgt Ion:164 Resp: 26009

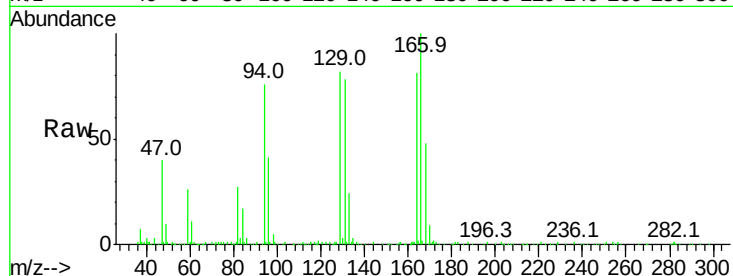
Ion Ratio Lower Upper

164 100

129 100.7 73.4 136.4

131 96.4 68.9 127.9

166 125.4 90.2 167.4

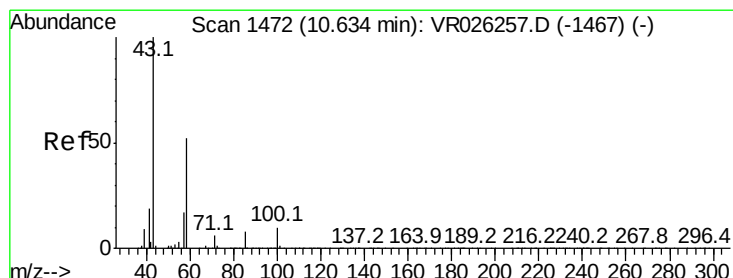
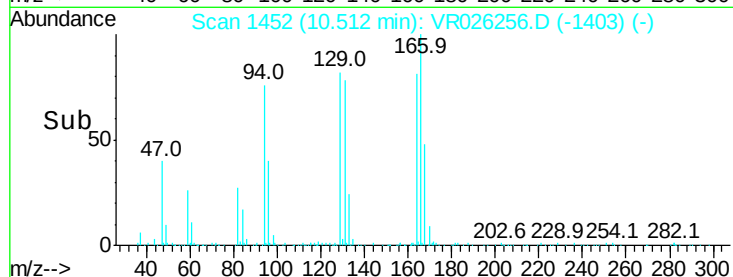
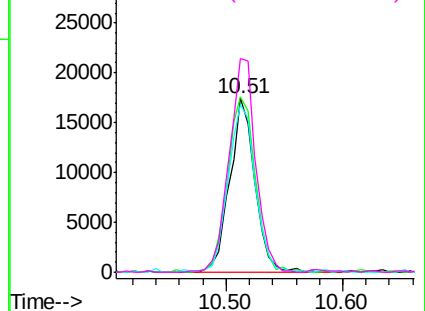


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 9.459 ug/L

RT: 10.63 min Scan# 1472

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Tgt Ion: 43 Resp: 57525

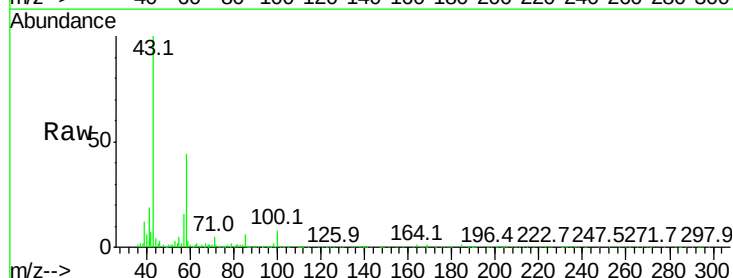
Ion Ratio Lower Upper

43 100

58 44.9 40.4 60.6

57 17.4 14.2 21.2

100 8.1 7.6 11.4

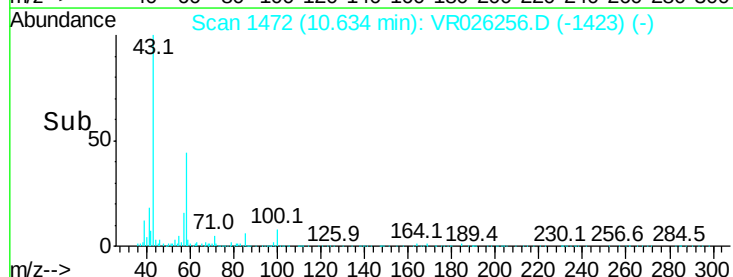
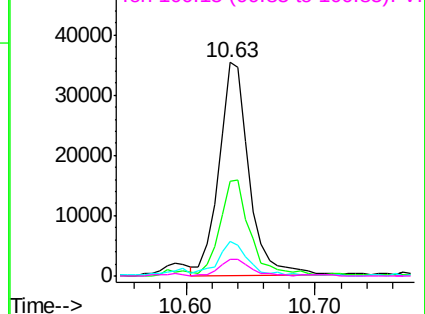


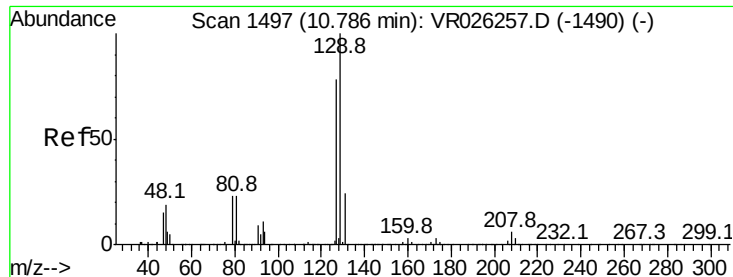
Abundance Ion 43.05 (42.75 to 43.75): VR0

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: 0.977 ug/L

RT: 10.79 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

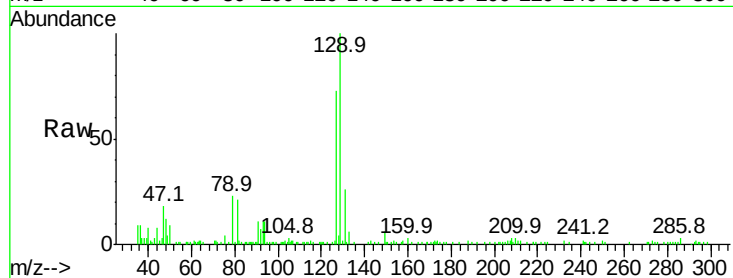
VSTD00197

Tgt Ion:129 Resp: 16652

Ion Ratio Lower Upper

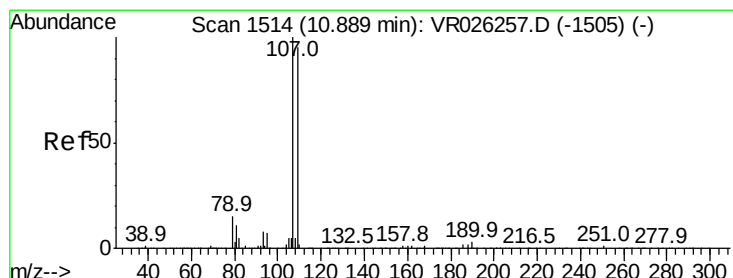
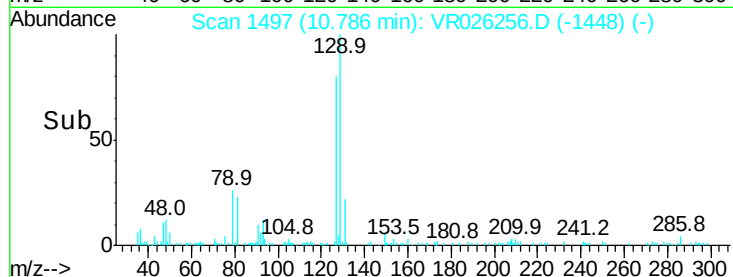
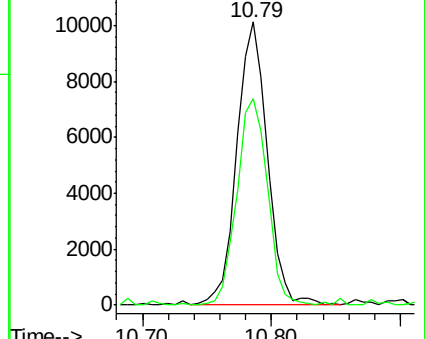
129 100

127 73.2 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 1.034 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

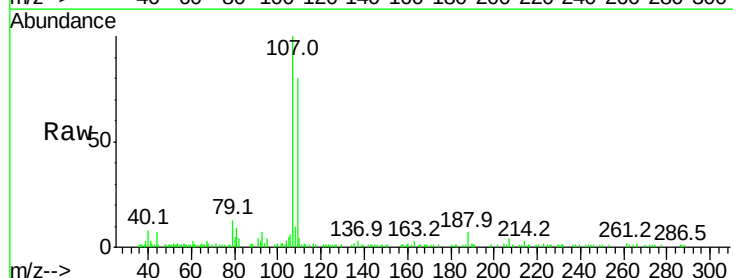
Tgt Ion:107 Resp: 12635

Ion Ratio Lower Upper

107 100

109 79.6 66.6 123.6

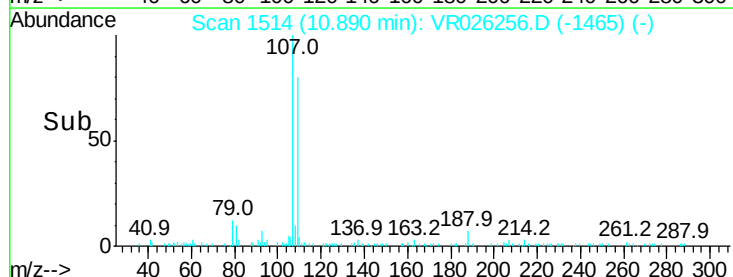
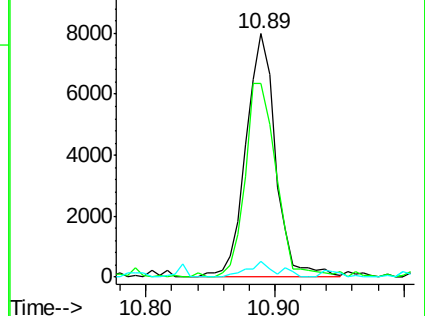
188 6.5 2.0 3.0#

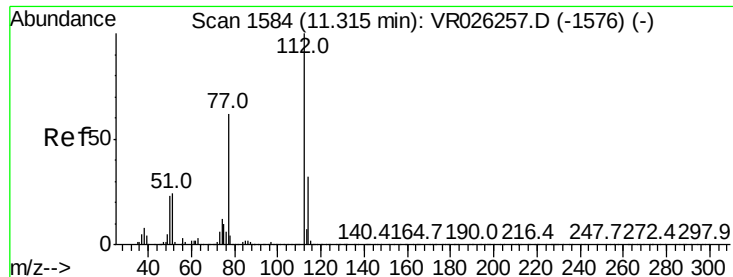


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.999 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

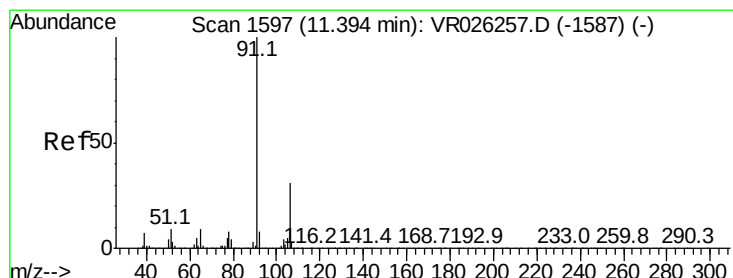
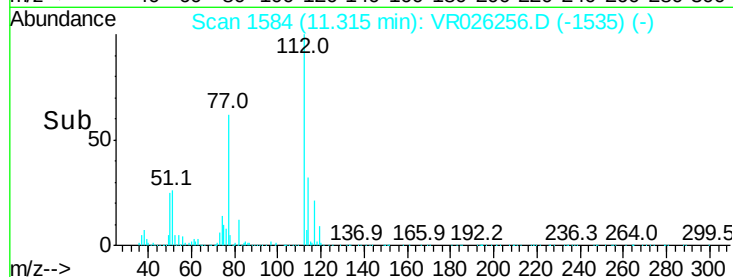
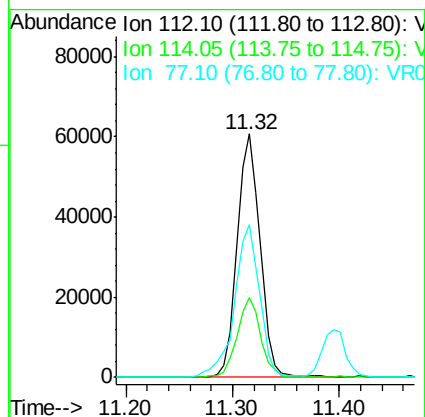
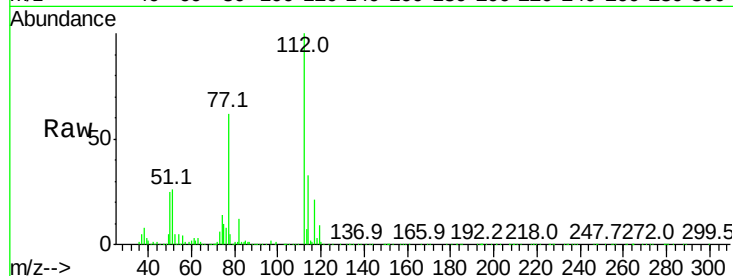
Instrument :

MSVOA_R

ClientSampleId :

VSTD00197

Tgt Ion:	112	Resp:	91895
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.3
77	62.5	49.8	74.8



#52

Ethylbenzene

Concen: 0.904 ug/L

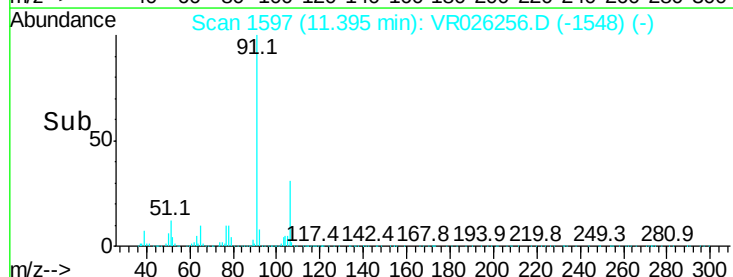
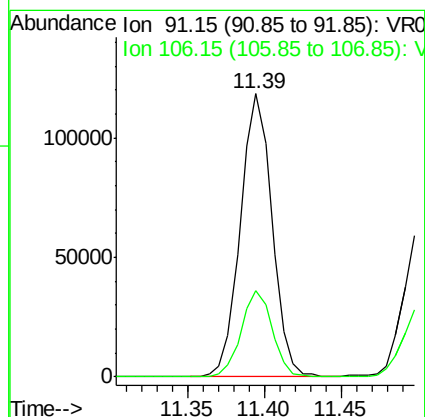
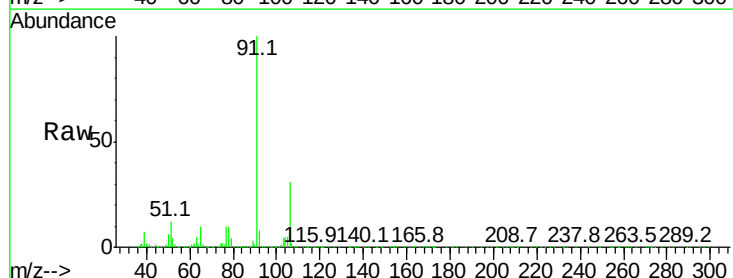
RT: 11.39 min Scan# 1597

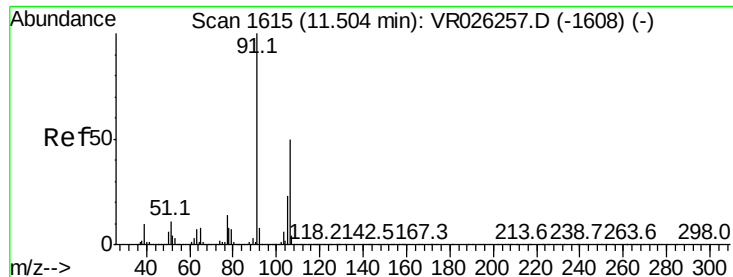
Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Tgt Ion:	91	Resp:	170184
Ion	Ratio	Lower	Upper
91	100		
106	30.6	22.0	41.0





#53

m,p-Xylene

Concen: 0.886 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampled :

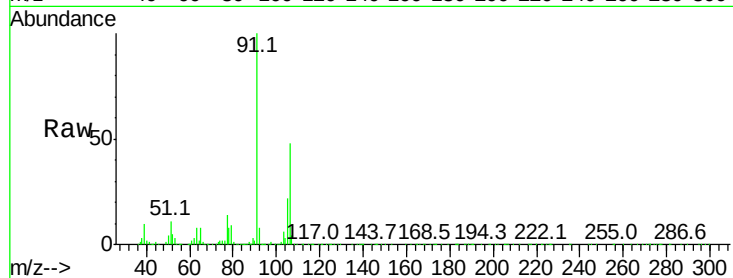
VSTD00197

Tgt Ion:106 Resp: 61509

Ion Ratio Lower Upper

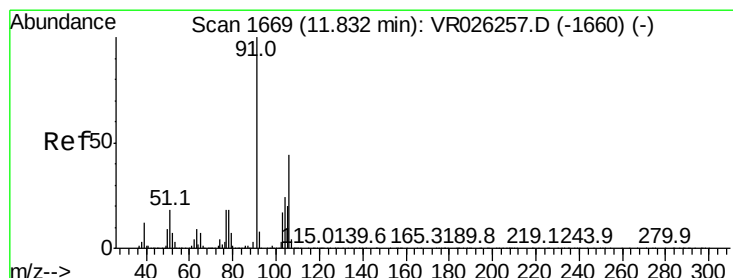
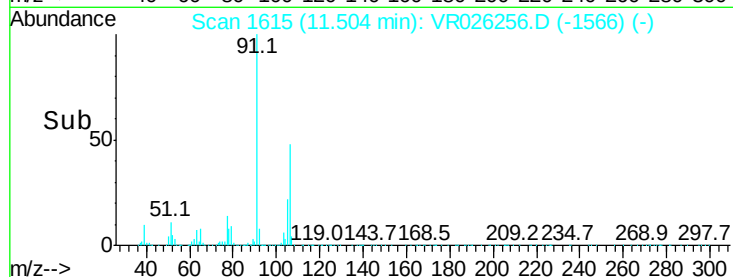
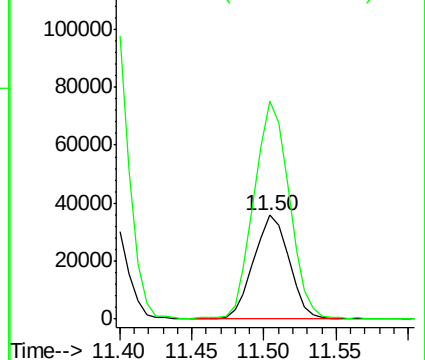
106 100

91 209.9 141.2 262.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 0.779 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VR026256.D

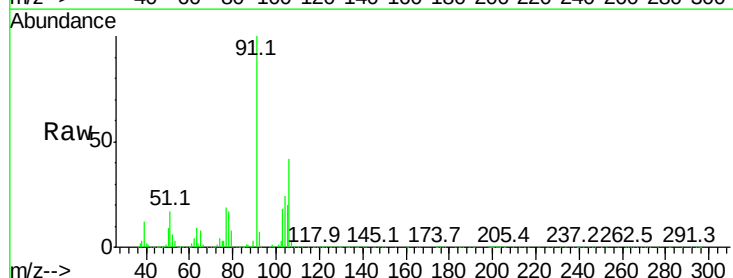
Acq: 21 Nov 2018 12:10

Tgt Ion:106 Resp: 49549

Ion Ratio Lower Upper

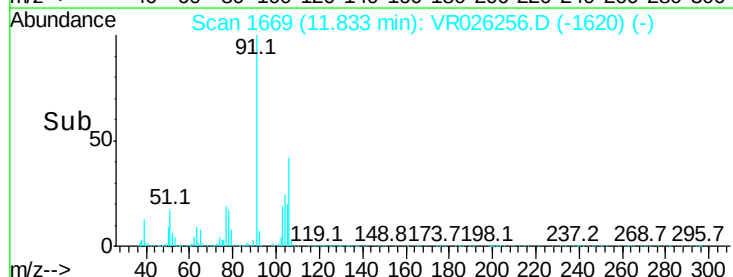
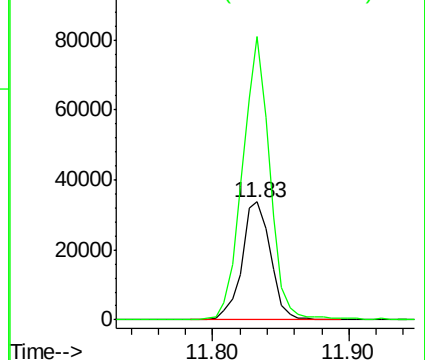
106 100

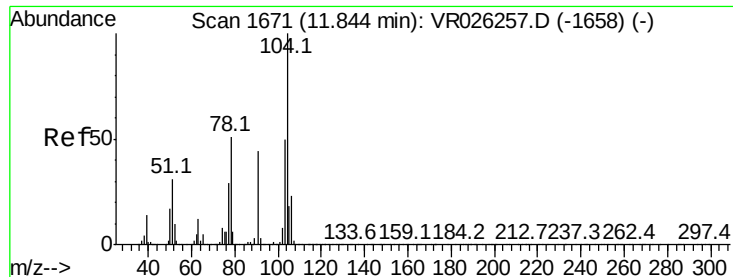
91 239.4 159.6 296.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Styrene

Concen: 0.859 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

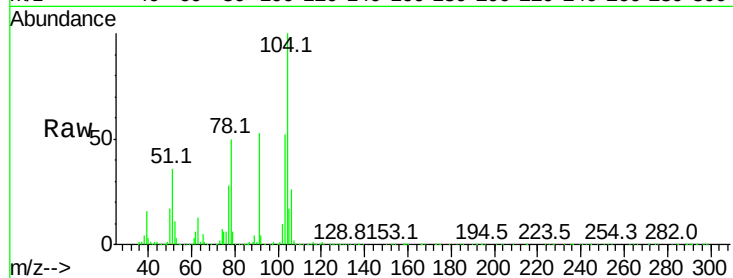
VSTD00197

Tgt Ion:104 Resp: 83333

Ion Ratio Lower Upper

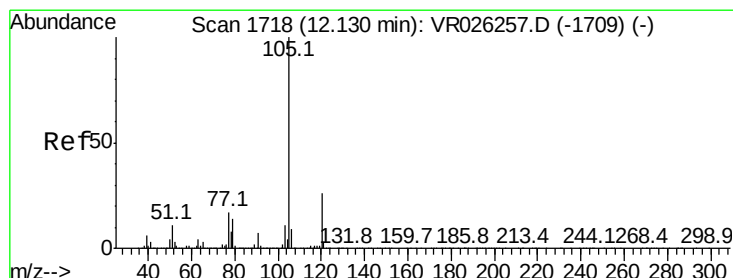
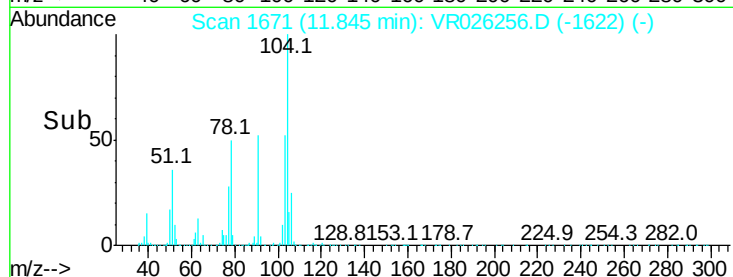
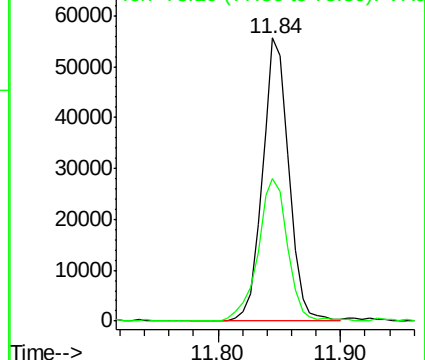
104 100

78 50.4 35.4 65.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



#56

Isopropylbenzene

Concen: 0.825 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

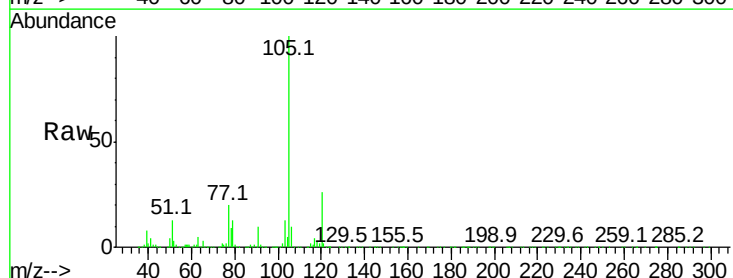
Tgt Ion:105 Resp: 143701

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

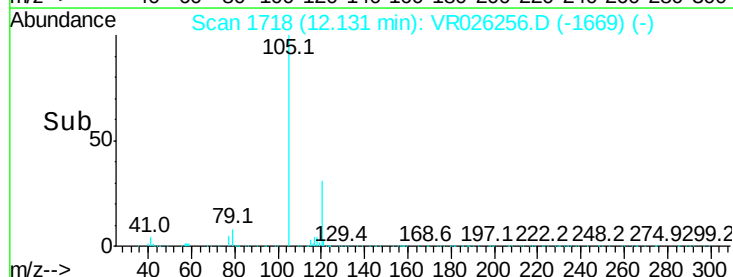
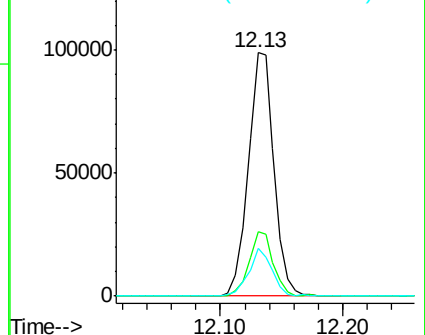
77 18.0 13.8 20.8

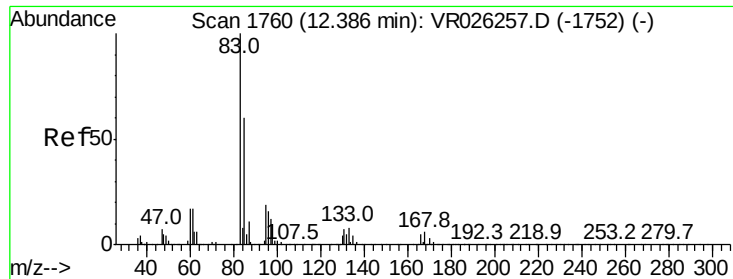


Abundance Ion 105.05 (104.75 to 105.75): V

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: 1.008 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD00197

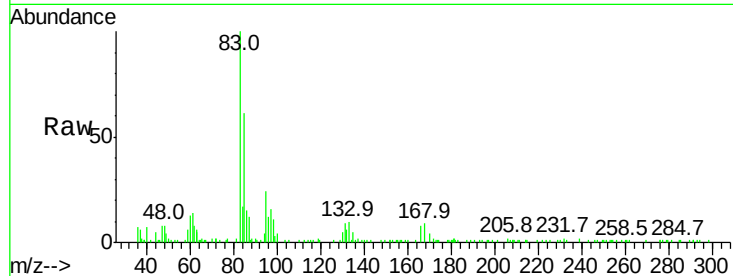
Tgt Ion: 83 Resp: 13750

Ion Ratio Lower Upper

83 100

85 60.9 42.3 78.5

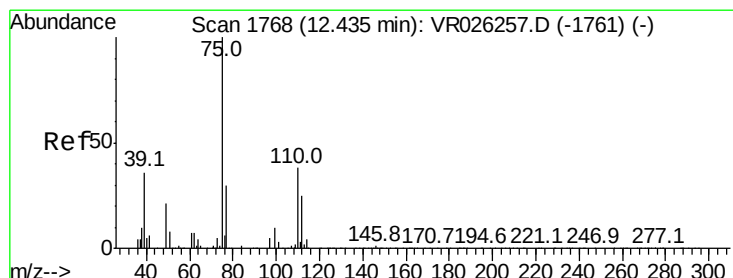
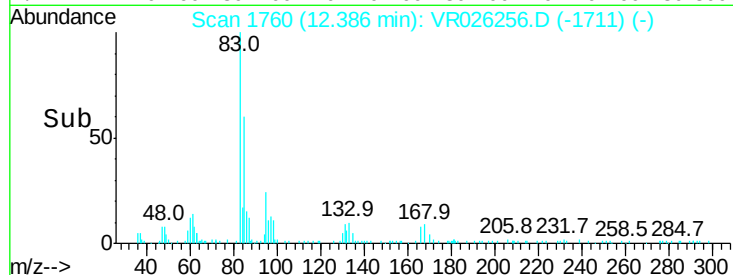
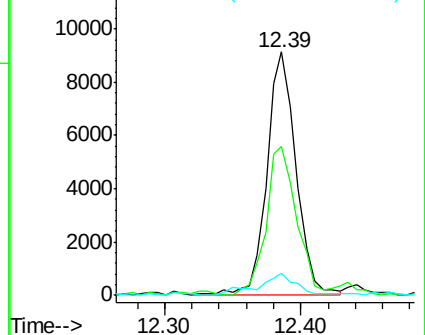
131 9.3 5.4 8.2#



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: 0.929 ug/L

RT: 12.44 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VR026256.D

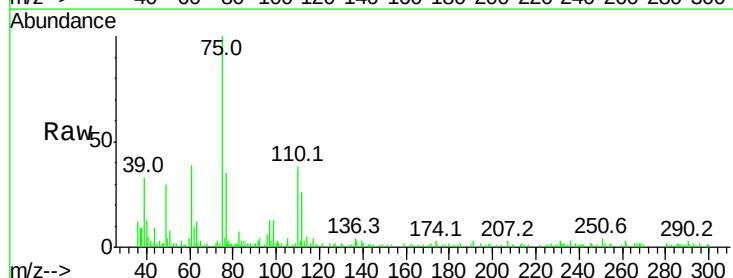
Acq: 21 Nov 2018 12:10

Tgt Ion: 75 Resp: 9504

Ion Ratio Lower Upper

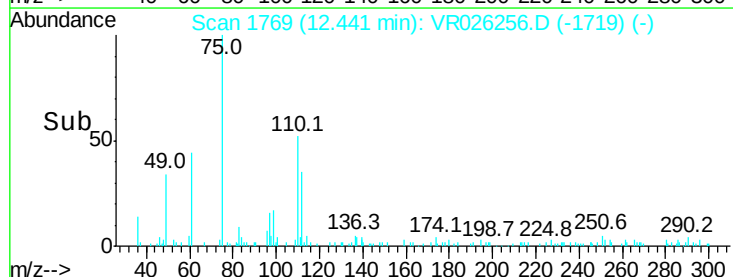
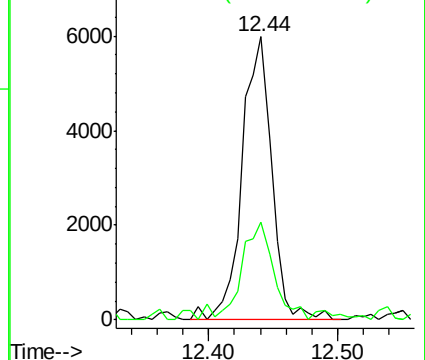
75 100

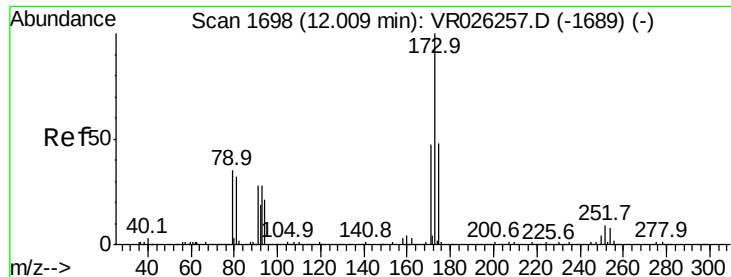
77 36.4 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0





#61

Bromoform

Concen: 1.019 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD00197

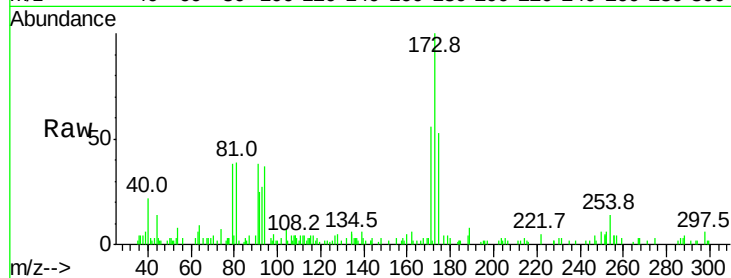
Tgt Ion:173 Resp: 6039

Ion Ratio Lower Upper

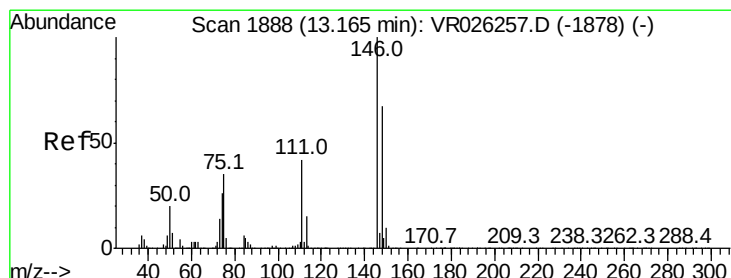
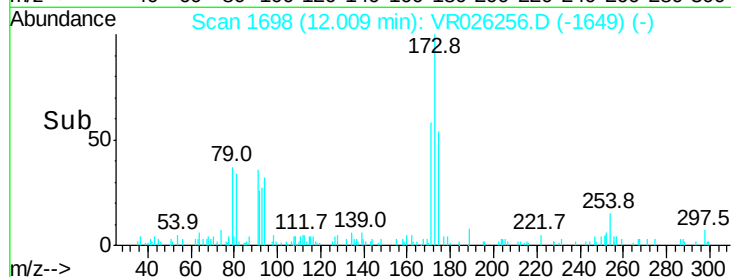
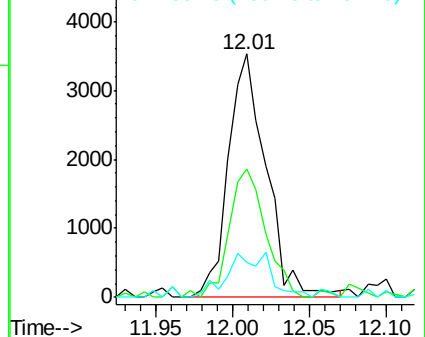
173 100

175 51.1 37.8 56.6

254 20.5 7.6 11.4#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.902 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

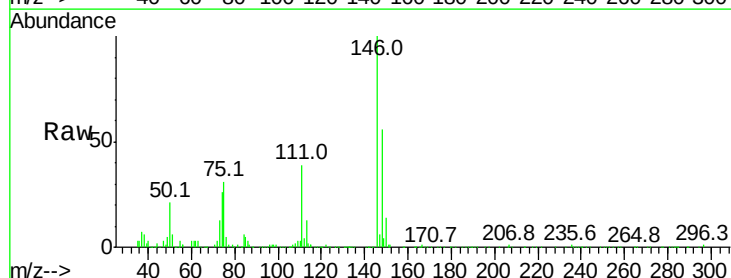
Tgt Ion:146 Resp: 44407

Ion Ratio Lower Upper

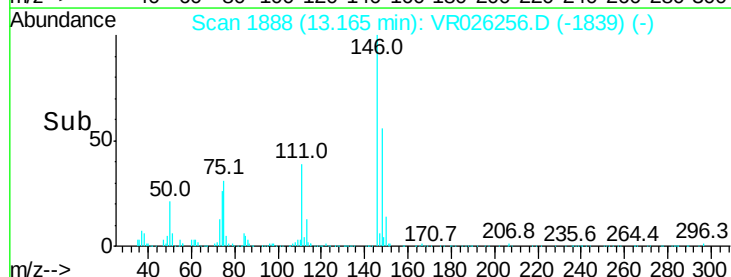
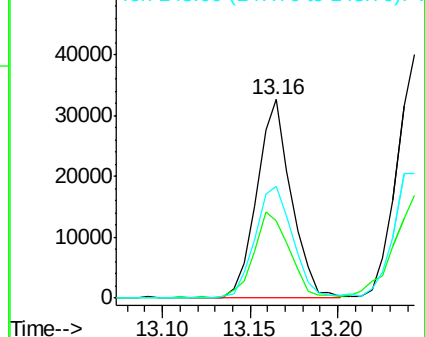
146 100

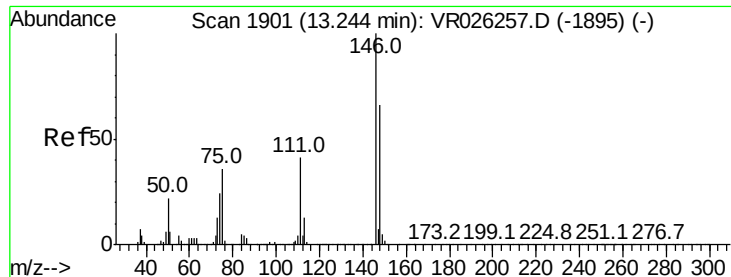
111 39.0 29.4 54.6

148 56.1 46.5 86.5



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

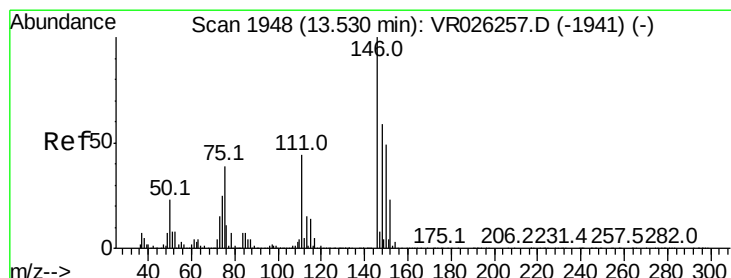
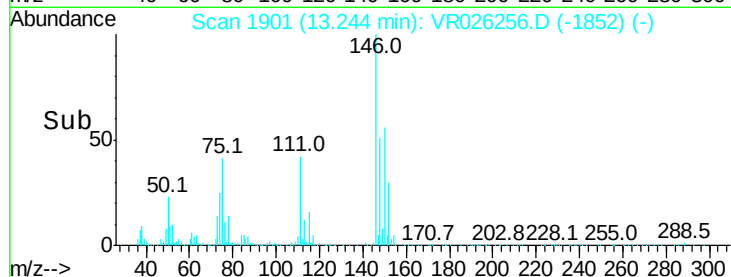
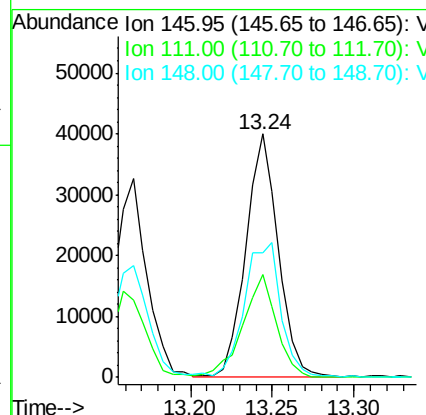
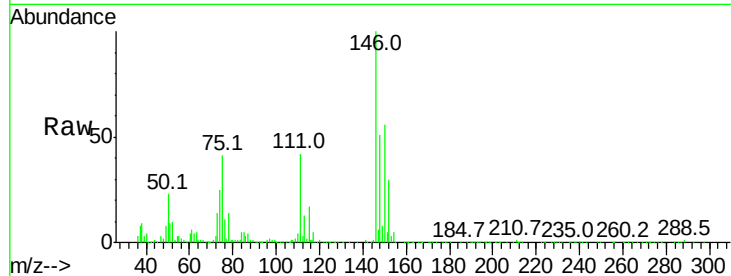




#63
 1,4-Dichlorobenzene
 Concen: 1.046 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026256.D
 Acq: 21 Nov 2018 12:10

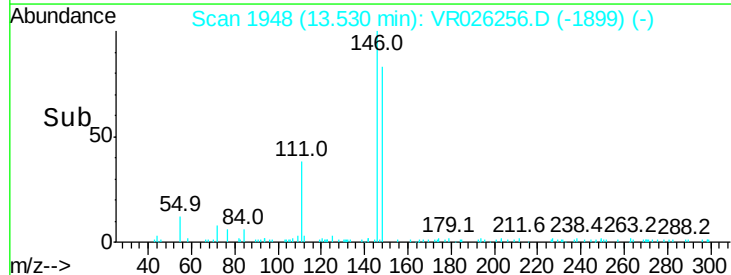
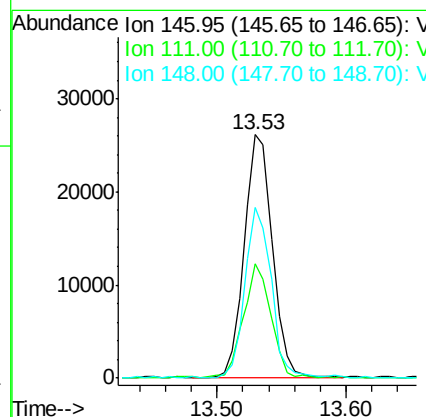
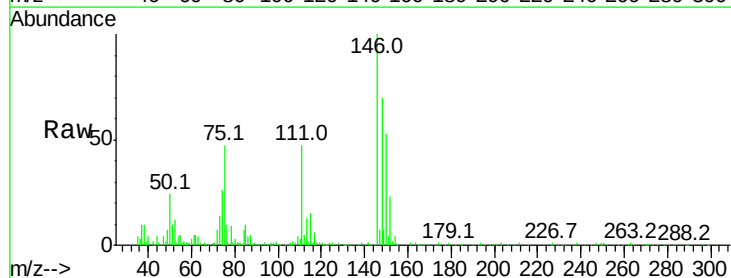
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00197

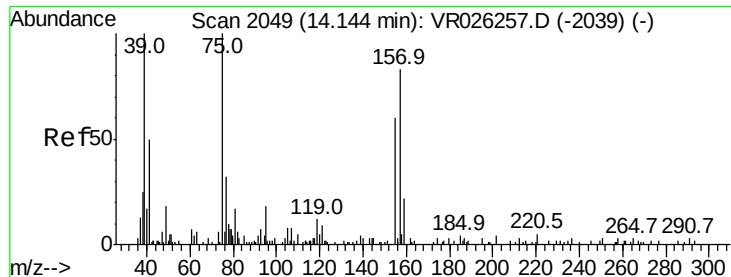
Tgt Ion:146 Resp: 55522
 Ion Ratio Lower Upper
 146 100
 111 42.5 28.9 53.7
 148 51.1 46.3 85.9



#65
 1,2-Dichlorobenzene
 Concen: 0.977 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026256.D
 Acq: 21 Nov 2018 12:10

Tgt Ion:146 Resp: 39499
 Ion Ratio Lower Upper
 146 100
 111 47.0 35.5 53.3
 148 70.2 47.6 71.4

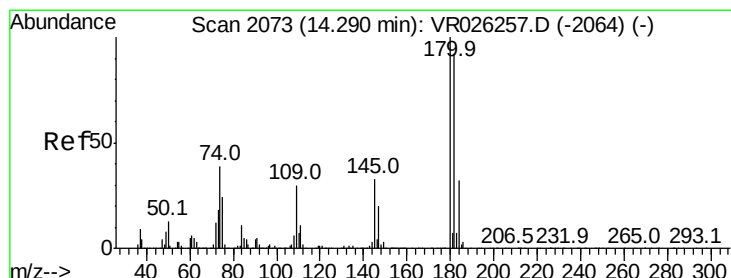
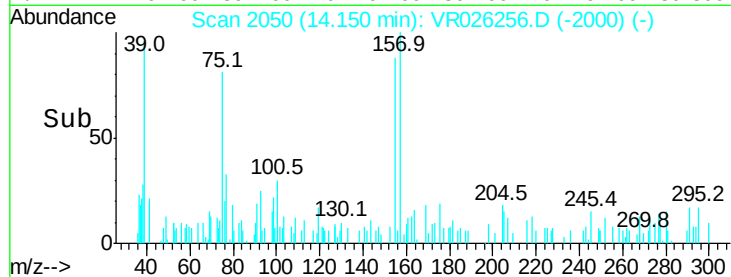
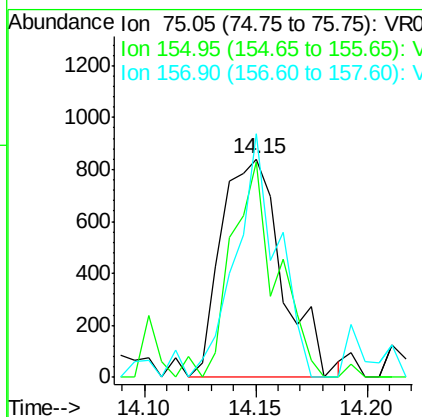
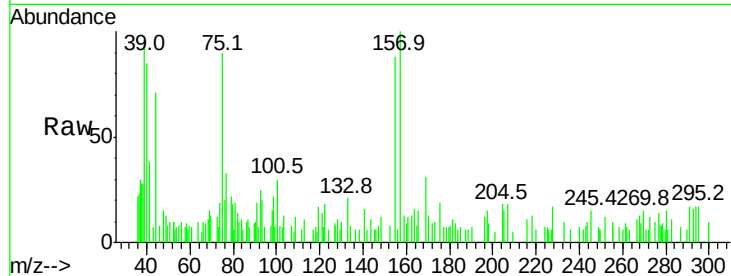




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.185 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026256.D
 Acq: 21 Nov 2018 12:10

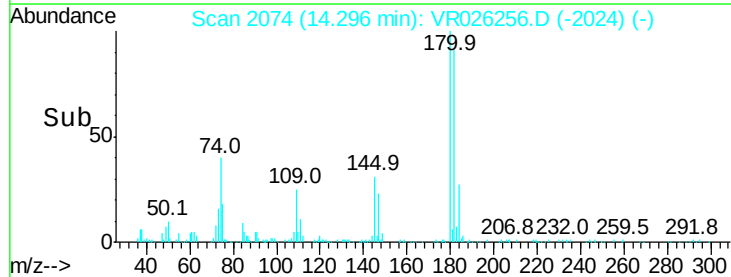
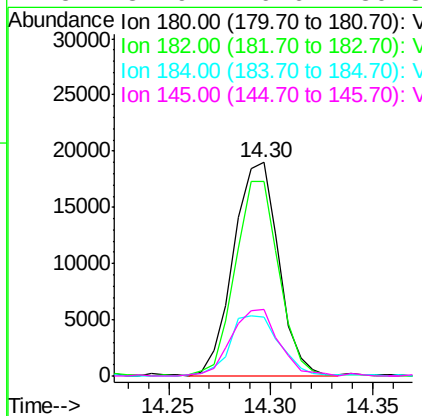
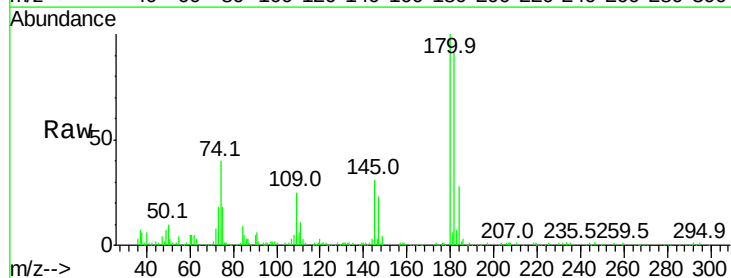
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00197

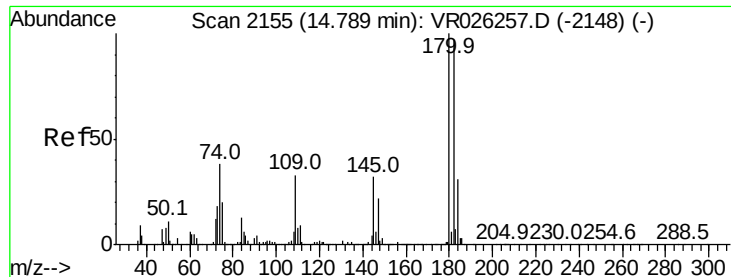
Tgt Ion: 75 Resp: 1602
 Ion Ratio Lower Upper
 75 100
 155 98.5 47.9 71.9#
 157 111.4 66.5 99.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.915 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026256.D
 Acq: 21 Nov 2018 12:10

Tgt Ion: 180 Resp: 29158
 Ion Ratio Lower Upper
 180 100
 182 88.4 74.0 111.0
 184 31.6 25.4 38.0
 145 32.9 26.6 39.8





#68

1,2,4-trichlorobenzene

Concen: 0.747 ug/L

RT: 14.79 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampled :

VSTD00197

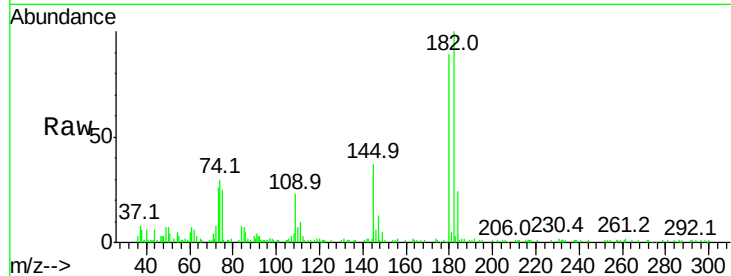
Tgt Ion:180 Resp: 13458

Ion Ratio Lower Upper

180 100

182 106.5 74.9 112.3

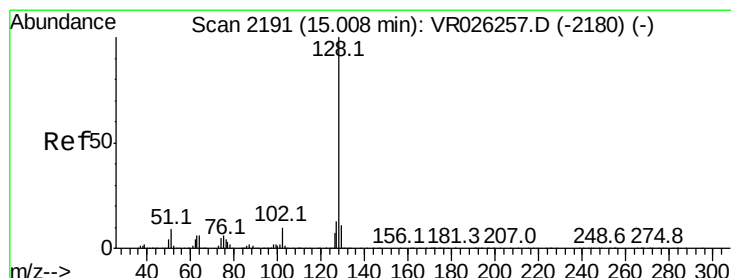
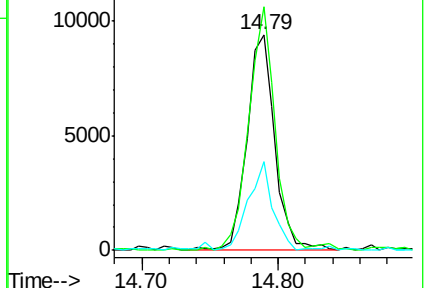
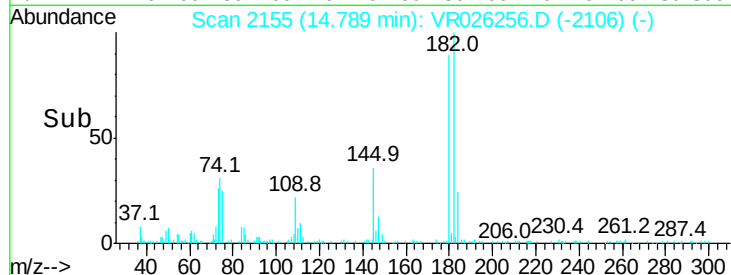
145 36.6 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#69

Naphthalene

Concen: 0.637 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

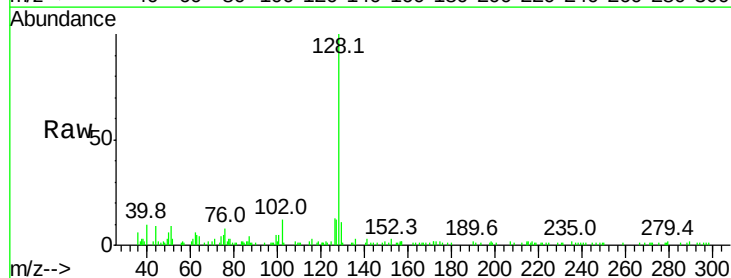
Tgt Ion:128 Resp: 11175

Ion Ratio Lower Upper

128 100

127 16.4 10.2 15.2#

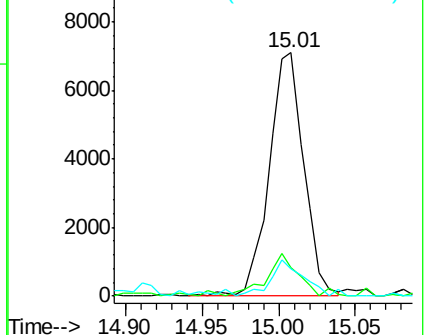
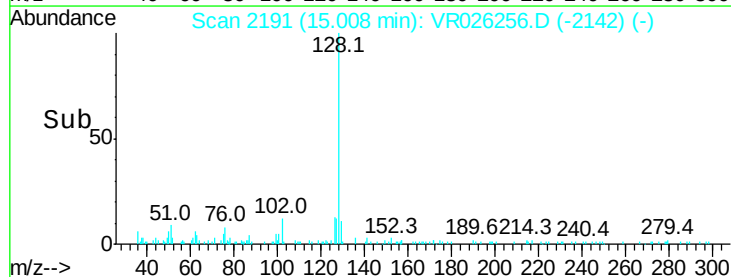
129 14.2 9.2 13.8#

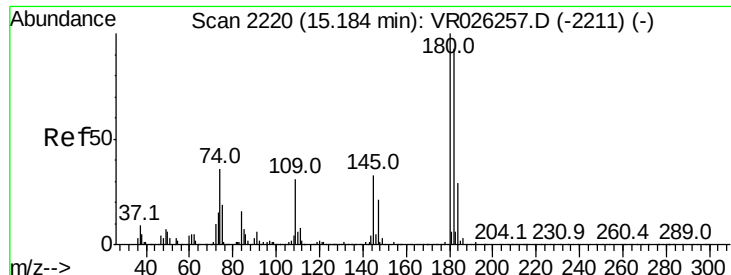


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70

1,2,3-Trichlorobenzene

Concen: 0.869 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.01 min

Lab File: VR026256.D

Acq: 21 Nov 2018 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD00197

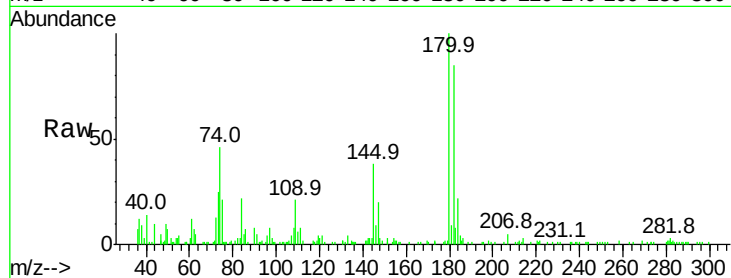
Tgt Ion:180 Resp: 11203

Ion Ratio Lower Upper

180 100

182 94.5 73.9 110.9

145 37.0 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

