

Data File : VR026231.D
Acq On : 20 Nov 2018 15:13
Operator : SY/MD
Sample : VSTD0.588
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

Quant Time: Nov 20 17:03:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	713587	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	565910	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	199893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	27813	0.53	ug/L	0.00
7) Chloroethane-d5	2.63	69	25659	0.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	73766	0.53	ug/L	0.00
20) 2-Butanone-d5	6.59	46	23290	5.09	ug/L	0.00
24) Chloroform-d	7.20	84	53115	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	20797	0.56	ug/L	0.00
32) Benzene-d6	7.86	84	98834	0.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	25121	0.58	ug/L	0.00
41) Toluene-d8	9.97	98	85221	0.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	6298	0.58	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	9942	3.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	9814	0.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	18411	0.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	27537	0.608 ug/L	94
3) Chloromethane	2.02	50	34744	0.448 ug/L	94
5) Vinyl chloride	2.16	62	32190	0.420 ug/L #	78
6) Bromomethane	2.53	94	23577	0.463 ug/L	83
8) Chloroethane	2.67	64	22449	0.464 ug/L	88
9) Trichlorofluoromethane	2.94	101	17646	0.171 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	32385	0.548 ug/L	97
12) 1,1-Dichloroethene	3.64	96	33626	0.482 ug/L	78
13) Acetone	3.70	43	19563	4.043 ug/L	94
14) Carbon disulfide	3.93	76	72836	0.384 ug/L	99
15) Methyl Acetate	4.20	43	7477	0.594 ug/L #	79
16) Methylene chloride	4.41	84	31792	0.541 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	28488	0.483 ug/L	92
18) trans-1,2-Dichloroethene	4.88	96	27932	0.519 ug/L	89
19) 1,1-Dichloroethane	5.70	63	50221	0.510 ug/L	97
21) 2-Butanone	6.69	43	23865	4.270 ug/L	77
22) cis-1,2-Dichloroethene	6.67	96	23042	0.484 ug/L #	80
23) Bromochloromethane	7.05	128	8318	0.572 ug/L #	83
25) Chloroform	7.23	83	66832	0.695 ug/L	95
27) 1,2-Dichloroethane	8.00	62	22575	0.506 ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	42386	0.559 ug/L	99
30) Cyclohexane	7.52	56	33407	0.503 ug/L	95
31) Carbon tetrachloride	7.64	117	39312	0.585 ug/L	97
33) Benzene	7.90	78	106359	0.521 ug/L	100
34) Trichloroethene	8.71	95	28671	0.551 ug/L	96
35) Methylcyclohexane	8.96	83	34709	0.513 ug/L	93
37) 1,2-Dichloropropane	9.00	63	23935	0.559 ug/L	98
38) Bromodichloromethane	9.28	83	26732	0.559 ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	21405	0.442 ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	49854	4.118 ug/L	97

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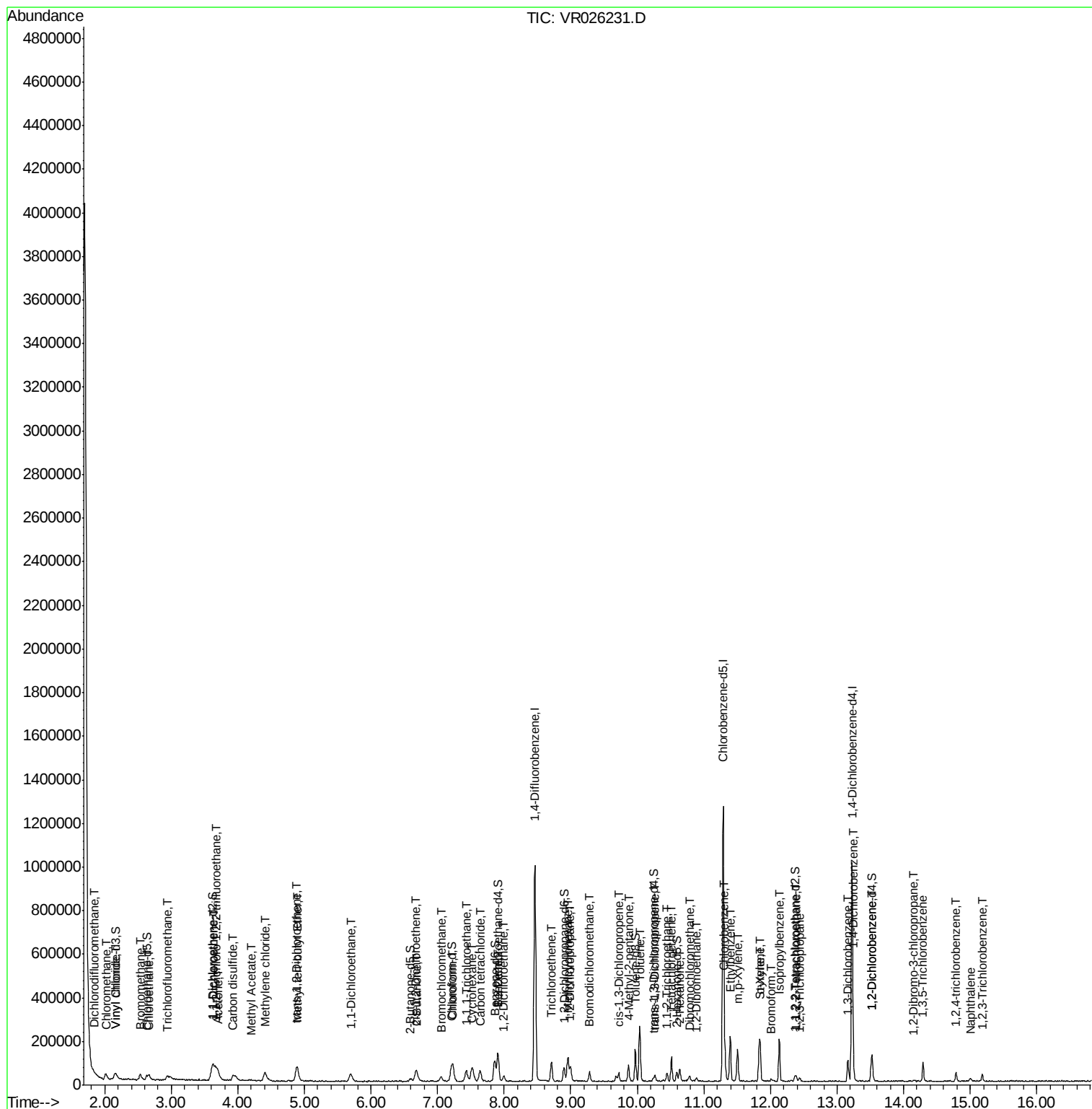
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	159630	0.750	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	14887	0.461	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	9334	0.505	ug/L	93
47) Tetrachloroethene	10.51	164	21248	0.598	ug/L	97
48) 2-Hexanone	10.63	43	32418	3.971	ug/L	98
49) Dibromochloromethane	10.78	129	10888	0.497	ug/L	77
50) 1,2-Dibromoethane	10.89	107	8108	0.517	ug/L #	84
51) Chlorobenzene	11.32	112	62915	0.532	ug/L	97
52) Ethylbenzene	11.39	91	120431	0.499	ug/L	93
53) m,p-Xylene	11.50	106	41268	0.471	ug/L	88
54) o-Xylene	11.83	106	36725	0.459	ug/L	88
55) Styrene	11.85	104	52470	0.422	ug/L	93
56) Isopropylbenzene	12.13	105	99859	0.462	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	9061	0.507	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	6950	0.517	ug/L	99
61) Bromoform	12.02	173	3986	0.504	ug/L #	91
62) 1,3-Dichlorobenzene	13.16	146	31239	0.516	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	39198	0.589	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	28058	0.553	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	1103	0.586	ug/L	98
67) 1,3,5-Trichlorobenzene	14.29	180	22223	0.590	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	10863	0.516	ug/L	96
69) Naphthalene	15.01	128	8057	0.363	ug/L #	84
70) 1,2,3-Trichlorobenzene	15.18	180	8050	0.547	ug/L	92

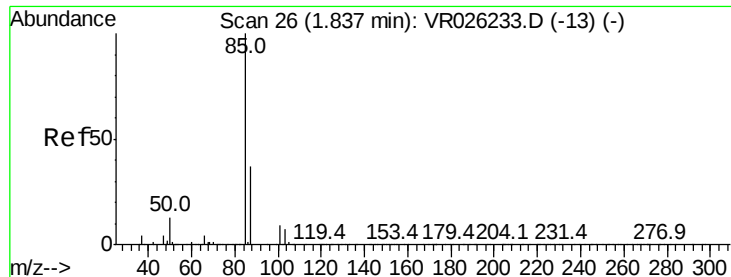
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.608 ug/L

RT: 1.85 min Scan# 28

Delta R.T. 0.01 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

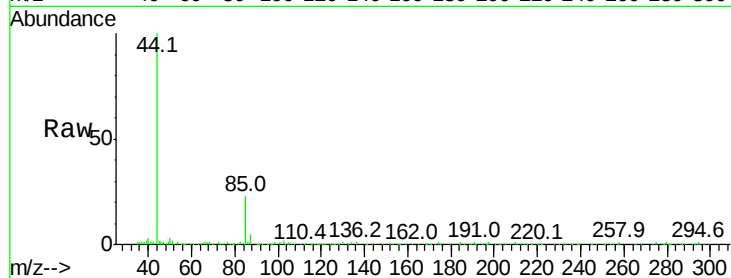
VSTD0.588

Tgt Ion: 85 Resp: 27537

Ion Ratio Lower Upper

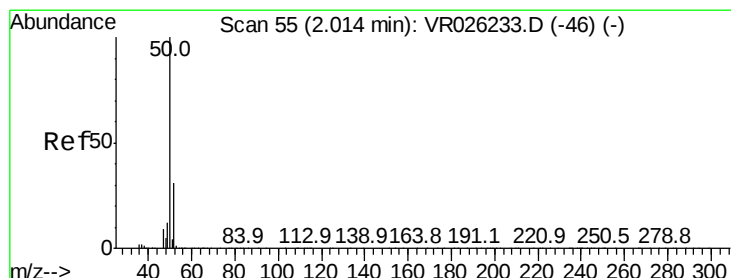
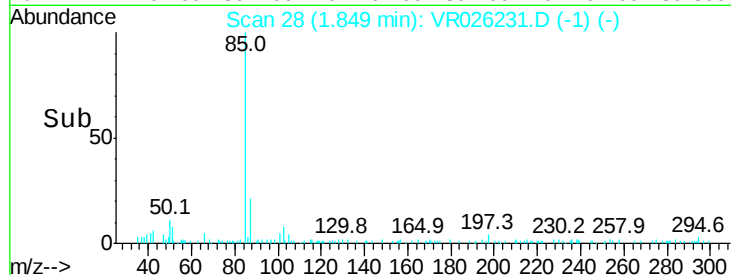
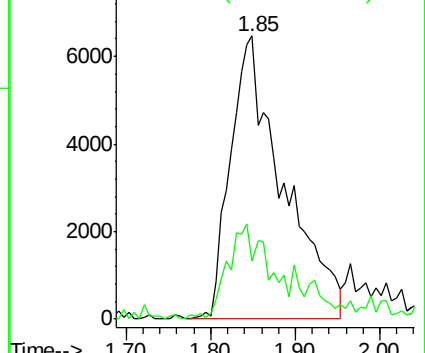
85 100

87 25.9 23.2 34.8



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 0.448 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026231.D

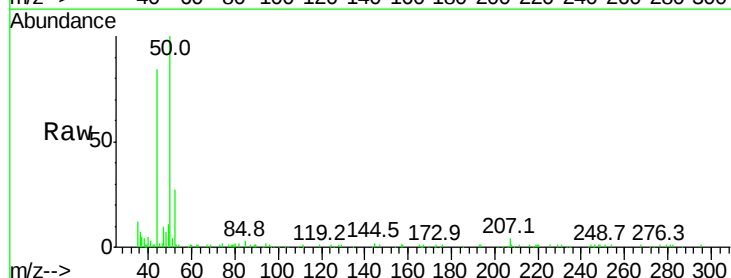
Acq: 20 Nov 2018 15:13

Tgt Ion: 50 Resp: 34744

Ion Ratio Lower Upper

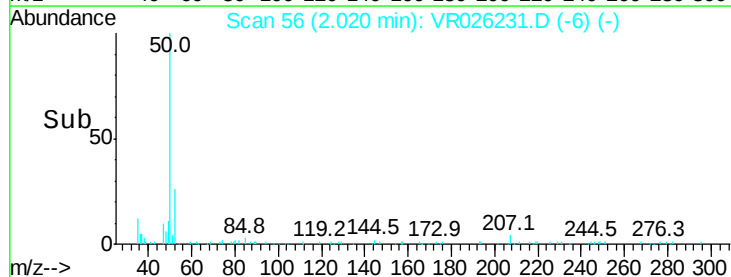
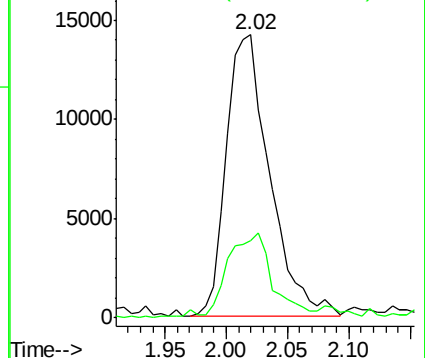
50 100

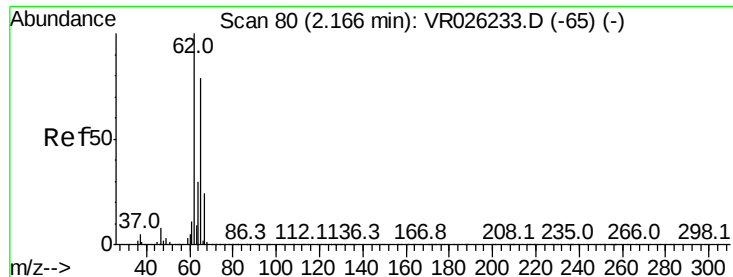
52 27.1 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 0.420 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

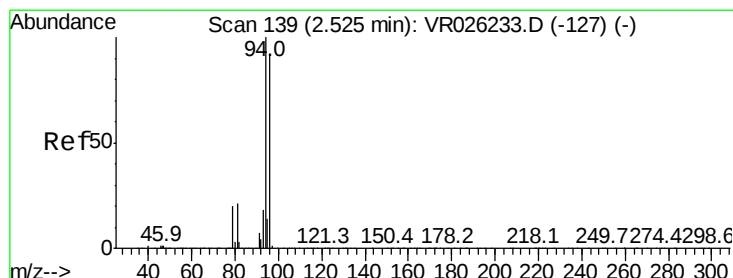
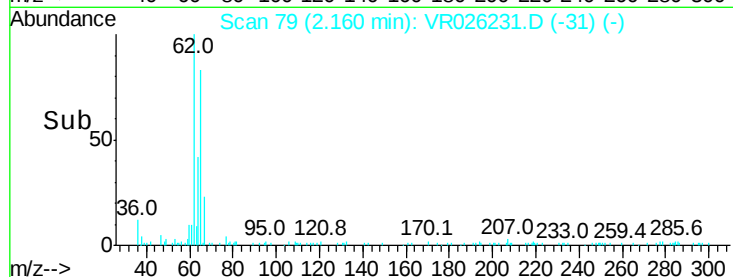
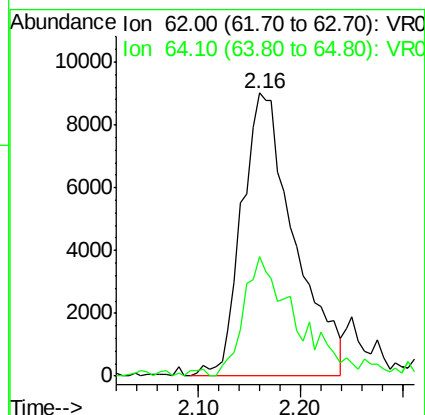
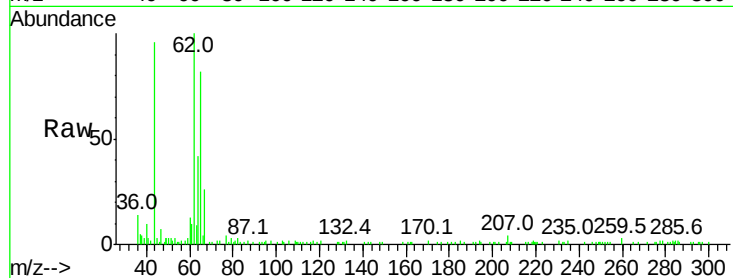
VSTD0.588

Tgt Ion: 62 Resp: 32190

Ion Ratio Lower Upper

62 100

64 42.4 21.3 39.5#



#6

Bromomethane

Concen: 0.463 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026231.D

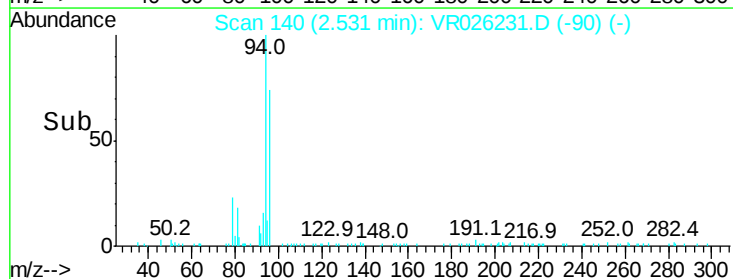
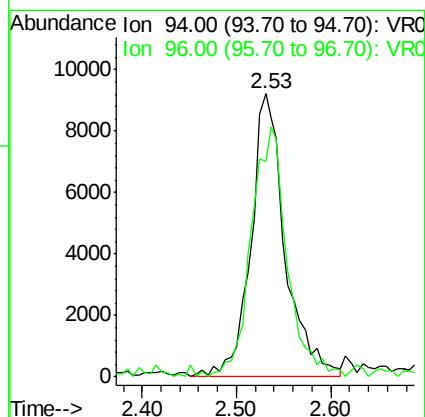
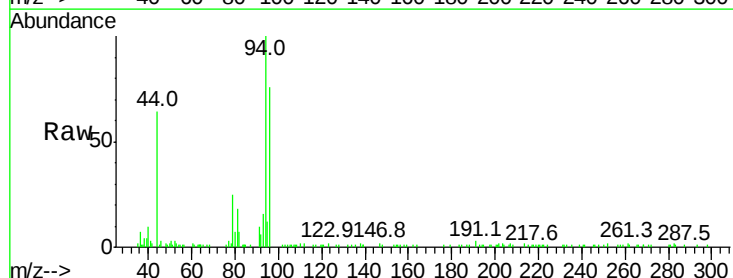
Acq: 20 Nov 2018 15:13

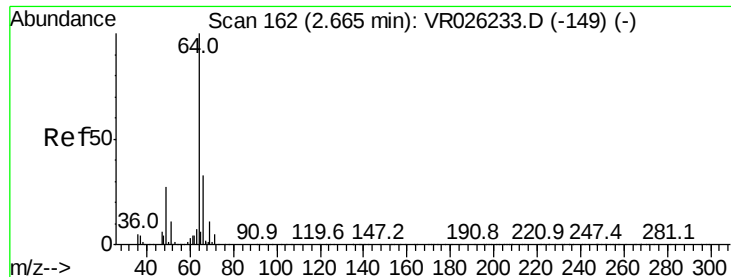
Tgt Ion: 94 Resp: 23577

Ion Ratio Lower Upper

94 100

96 76.0 64.6 120.0

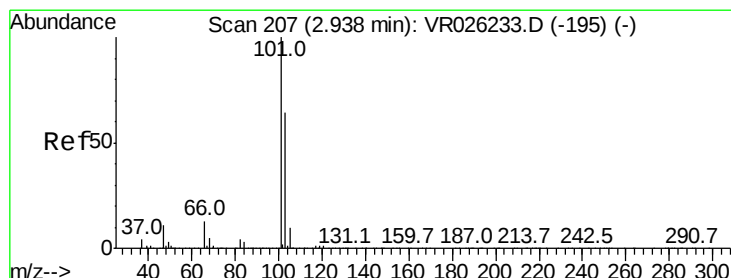
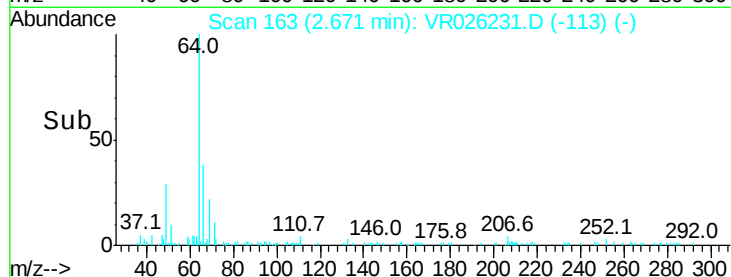
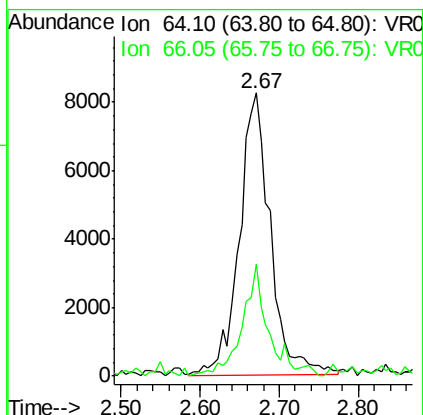
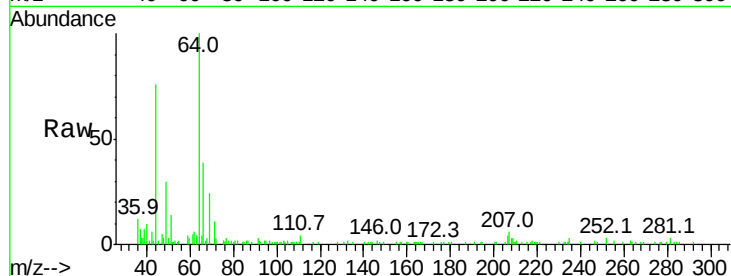




#8
Chloroethane
Concen: 0.464 ug/L
RT: 2.67 min Scan# 163
Delta R.T. 0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

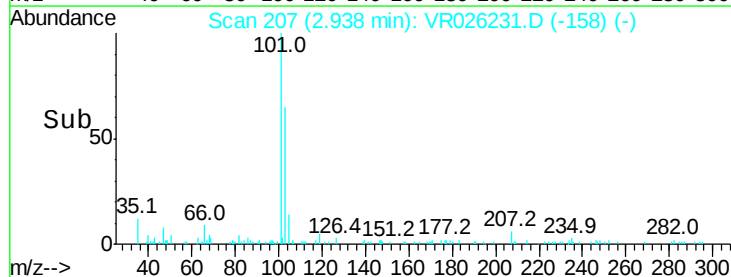
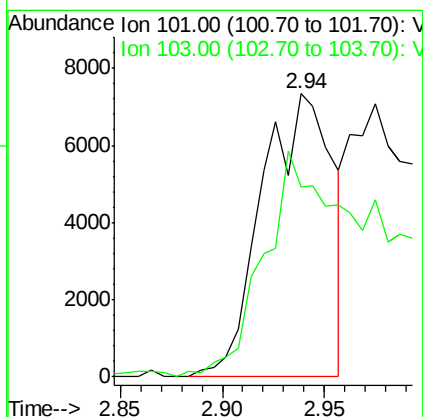
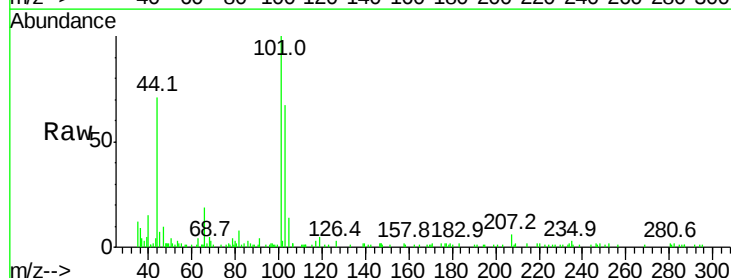
Instrument :
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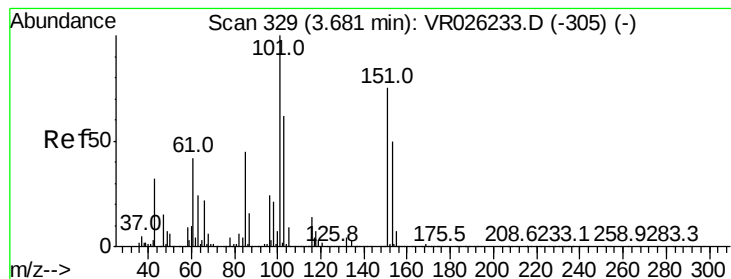
Tgt Ion: 64 Resp: 22449
Ion Ratio Lower Upper
64 100
66 39.3 22.7 42.3



#9
Trichlorofluoromethane
Concen: 0.171 ug/L
RT: 2.94 min Scan# 207
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion: 101 Resp: 17646
Ion Ratio Lower Upper
101 100
103 158.8 24.6 37.0#





#10

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

Concen: 0.548 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.588

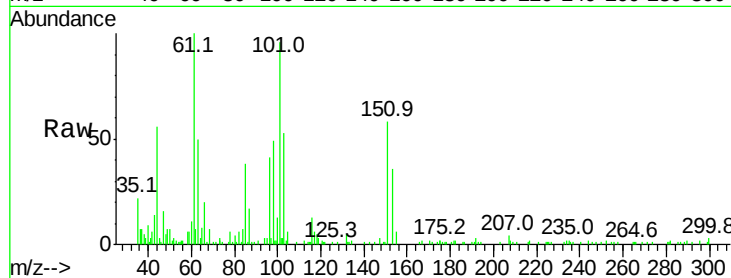
Tgt Ion:101 Resp: 32385

Ion Ratio Lower Upper

101 100

85 48.1 37.4 56.0

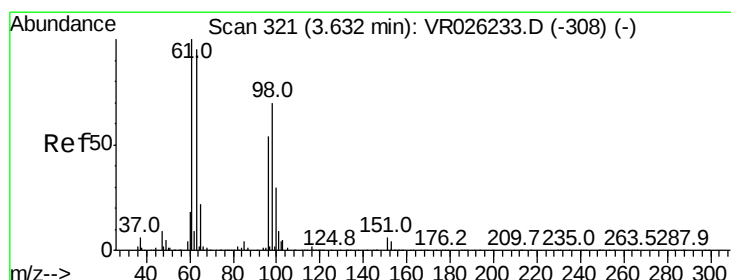
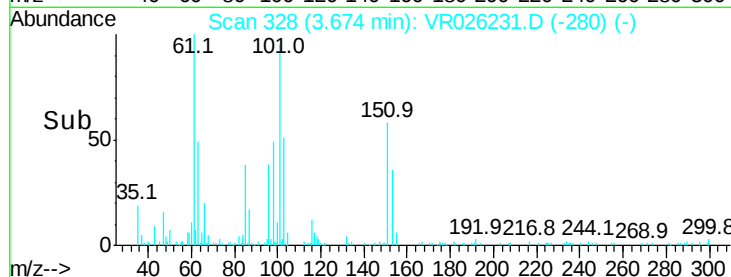
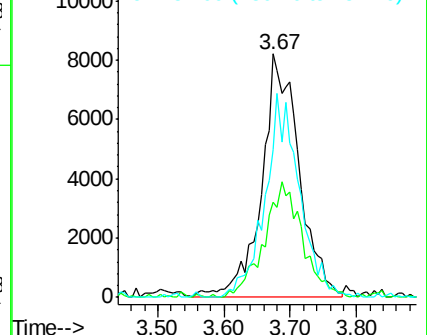
151 76.5 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.482 ug/L

RT: 3.64 min Scan# 322

Delta R.T. 0.01 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

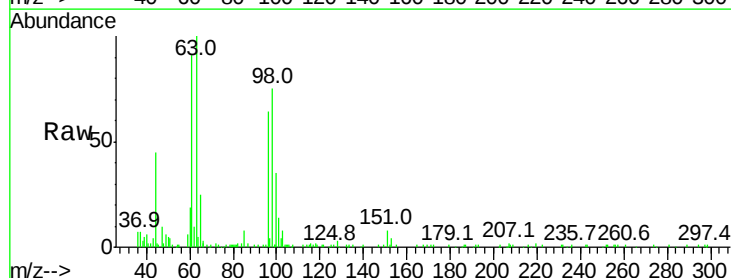
Tgt Ion: 96 Resp: 33626

Ion Ratio Lower Upper

96 100

61 142.2 128.7 239.1

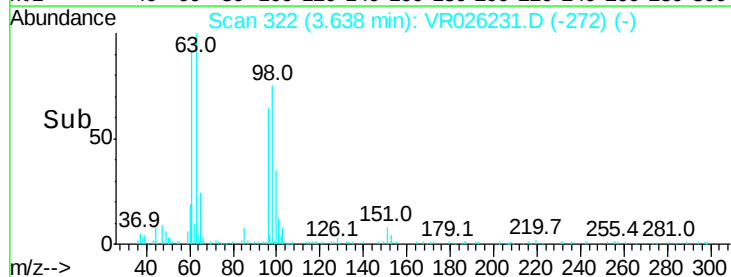
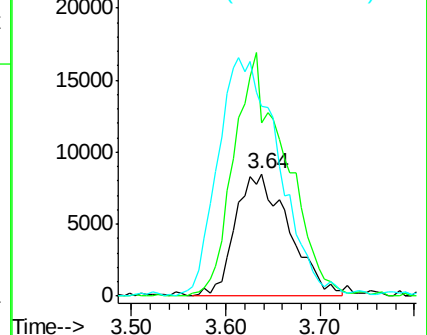
63 156.0 122.6 227.6

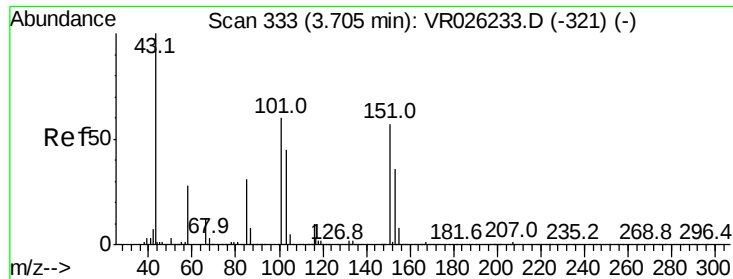


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 4.043 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

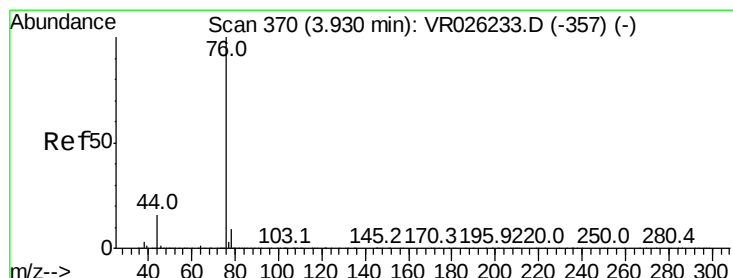
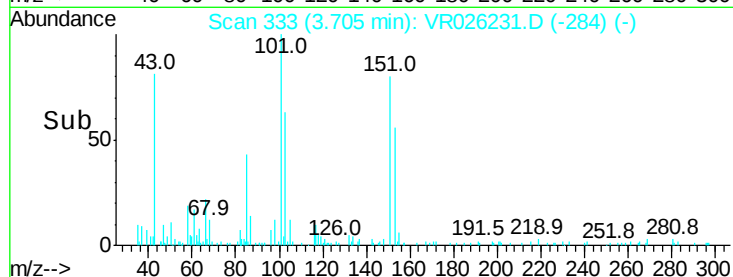
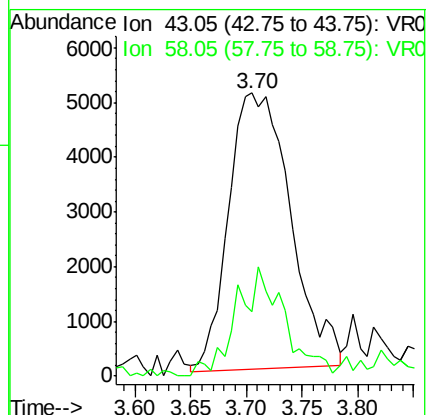
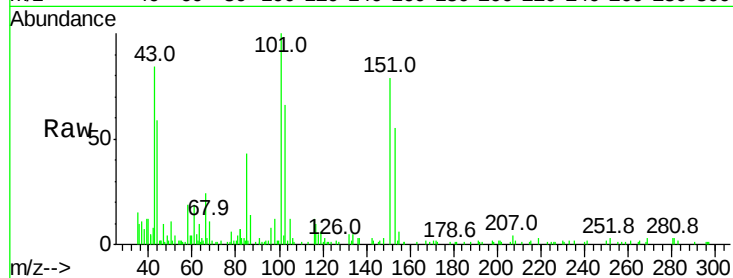
Instrument :
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ClientSampleId :
VSTD0.588

Tgt Ion: 43 Resp: 19563

Ion Ratio Lower Upper

43 100

58 30.7 0.0 55.0



#14

Carbon disulfide

Concen: 0.384 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026231.D

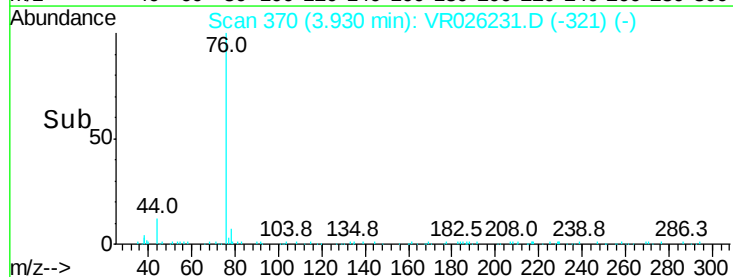
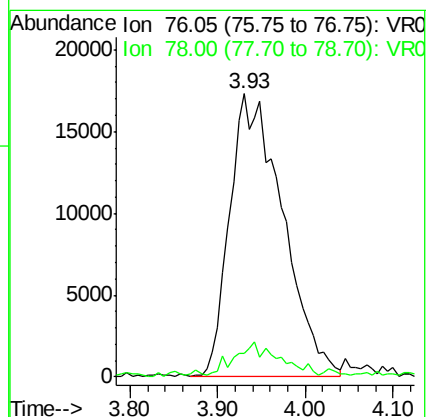
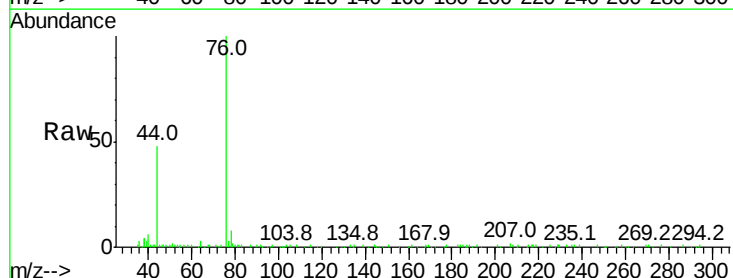
Acq: 20 Nov 2018 15:13

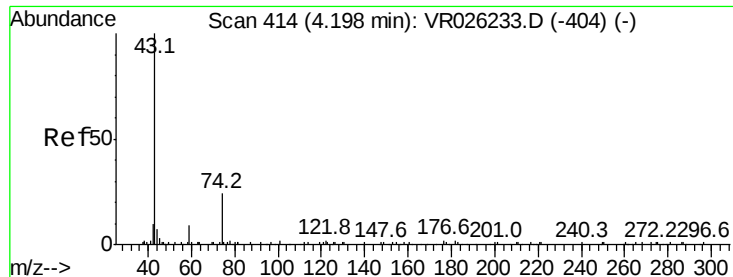
Tgt Ion: 76 Resp: 72836

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6

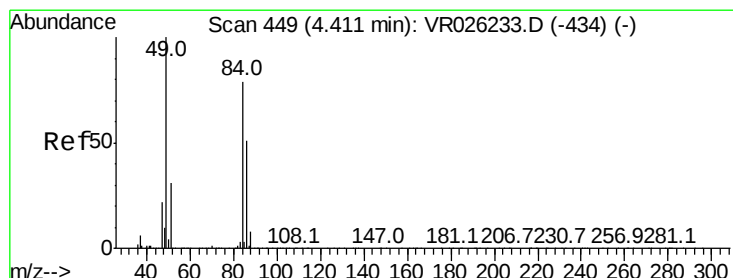
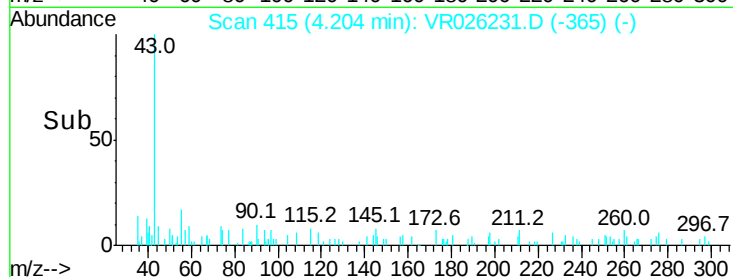
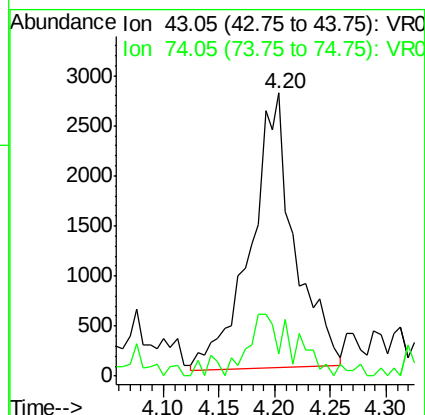
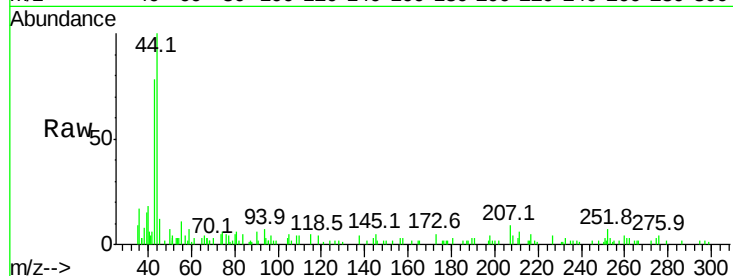




#15
Methyl Acetate
Concen: 0.594 ug/L
RT: 4.20 min Scan# 415
Delta R.T. 0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

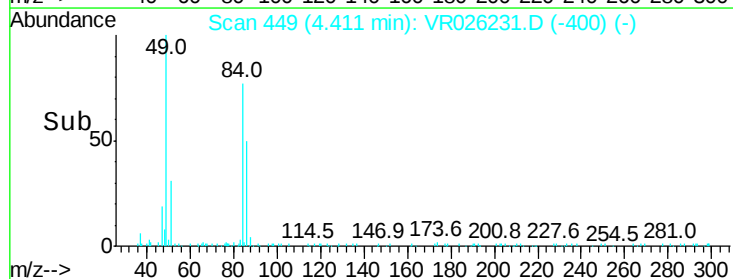
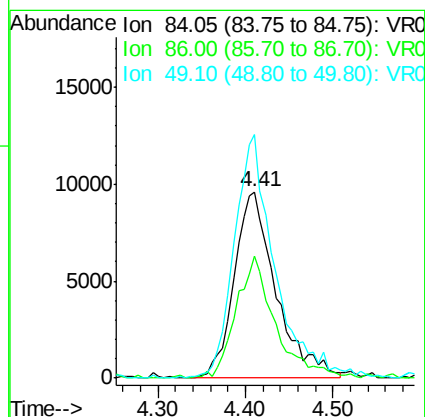
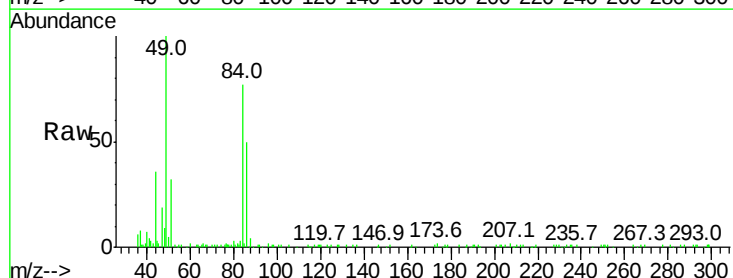
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

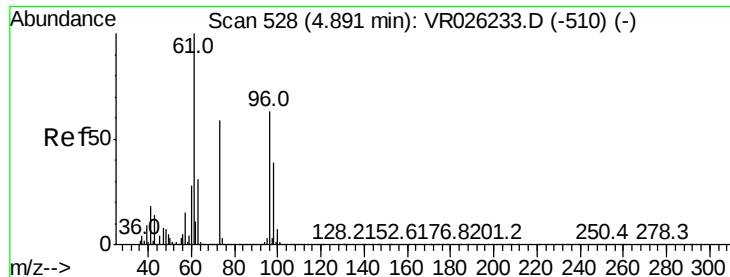
Tgt Ion: 43 Resp: 7477
Ion Ratio Lower Upper
43 100
74 13.9 19.4 29.0#



#16
Methylene chloride
Concen: 0.541 ug/L
RT: 4.41 min Scan# 449
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion: 84 Resp: 31792
Ion Ratio Lower Upper
84 100
86 65.4 45.2 84.0
49 130.6 88.3 164.1



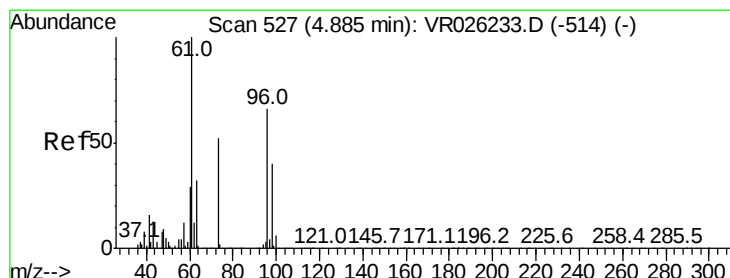
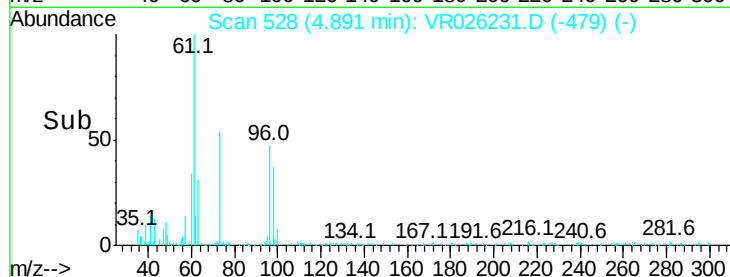
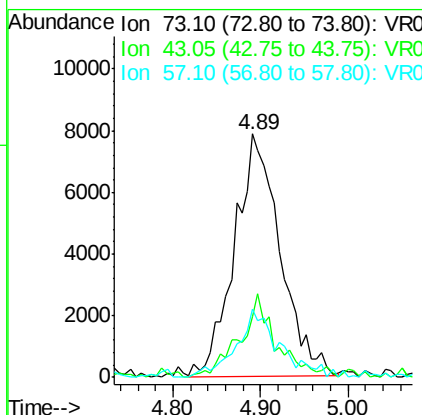
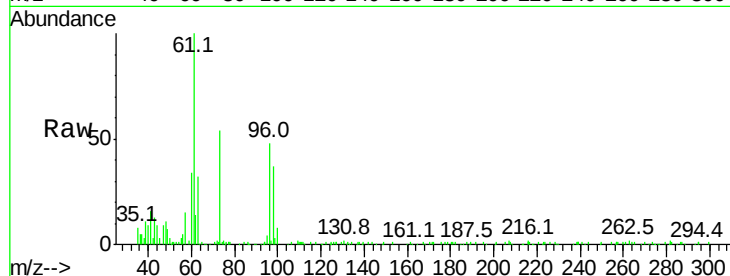


#17

Methyl tert-butyl Ether
Concen: 0.483 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Instrument :
MSVOA_R
ClientSampled :
VSTD0.588

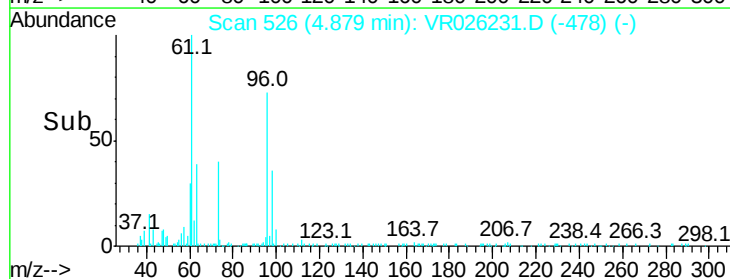
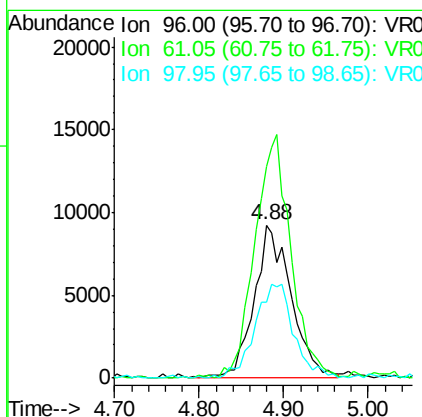
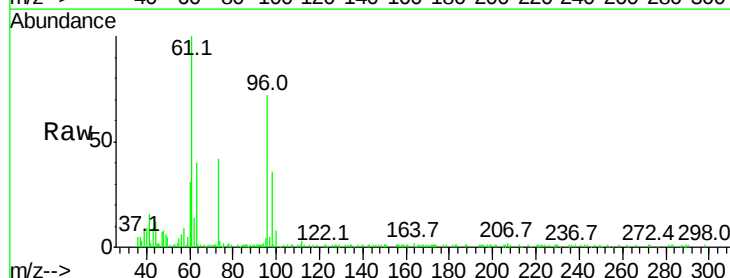
Tgt Ion:	73	Resp:	28488
Ion	Ratio	Lower	Upper
73	100		
43	26.7	19.0	28.4
57	26.8	17.9	26.9

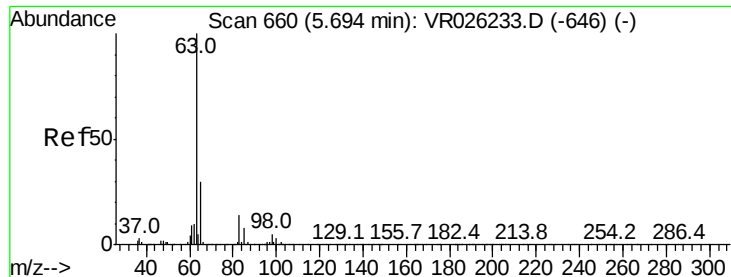


#18

trans-1,2-Dichloroethene
Concen: 0.519 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion:	96	Resp:	27932
Ion	Ratio	Lower	Upper
96	100		
61	138.0	105.4	195.8
98	49.9	42.1	78.1





#19

1,1-Dichloroethane

Concen: 0.510 ug/L

RT: 5.70 min Scan# 661

Delta R.T. 0.01 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.588

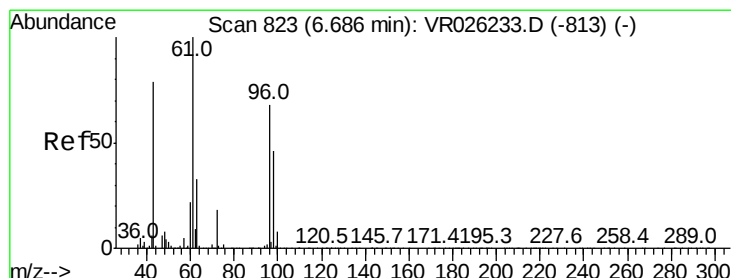
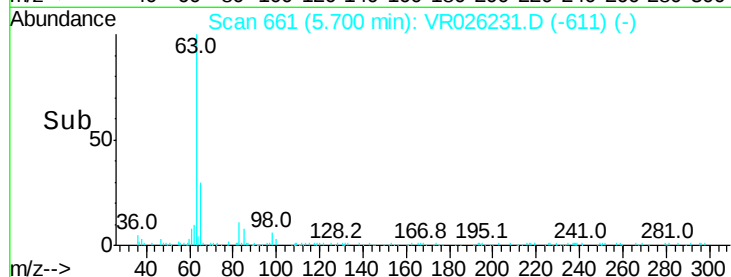
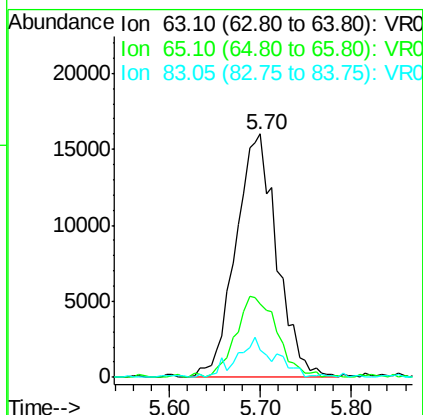
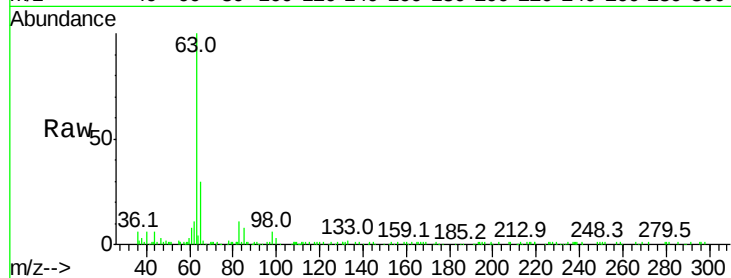
Tgt Ion: 63 Resp: 50221

Ion Ratio Lower Upper

63 100

65 30.0 21.1 39.3

83 11.3 9.9 18.5



#21

2-Butanone

Concen: 4.270 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026231.D

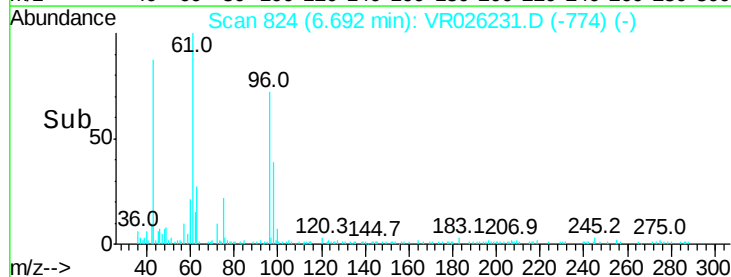
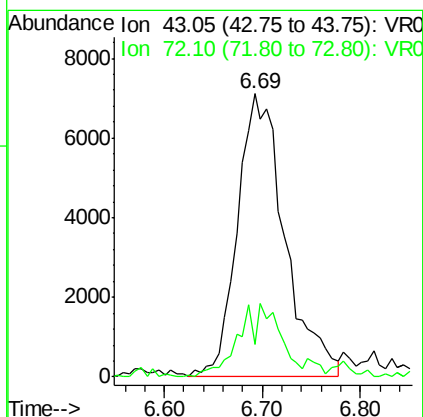
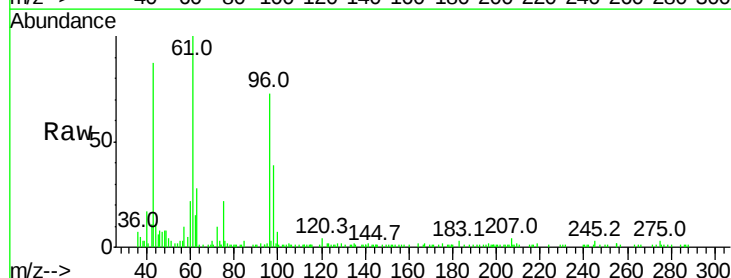
Acq: 20 Nov 2018 15:13

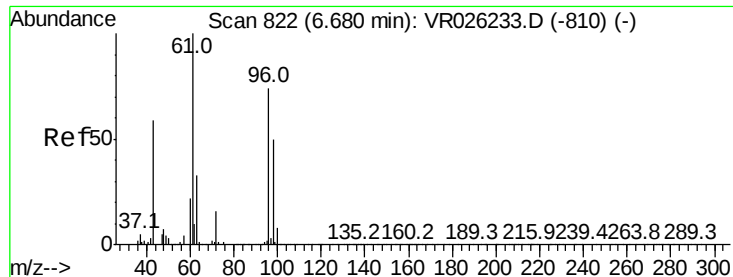
Tgt Ion: 43 Resp: 23865

Ion Ratio Lower Upper

43 100

72 12.2 11.8 35.4



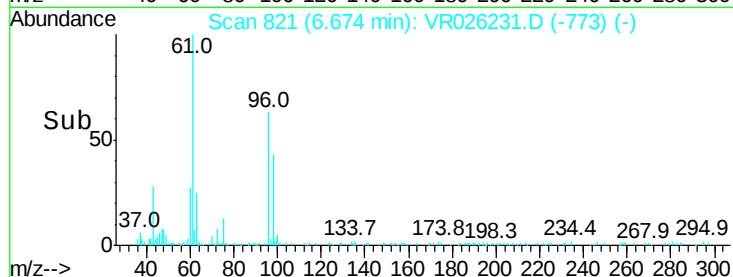
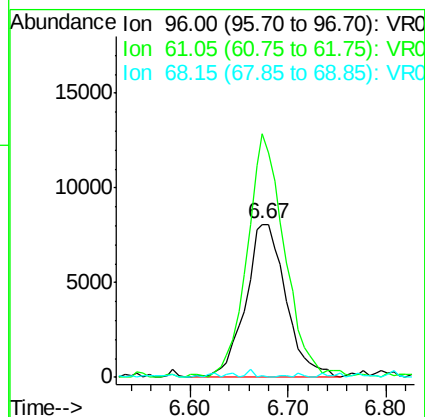
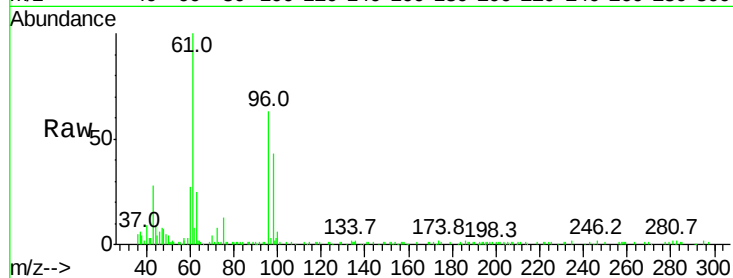


#22

cis-1,2-Dichloroethene
Concen: 0.484 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

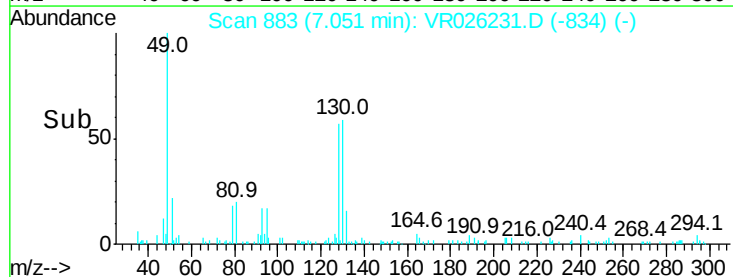
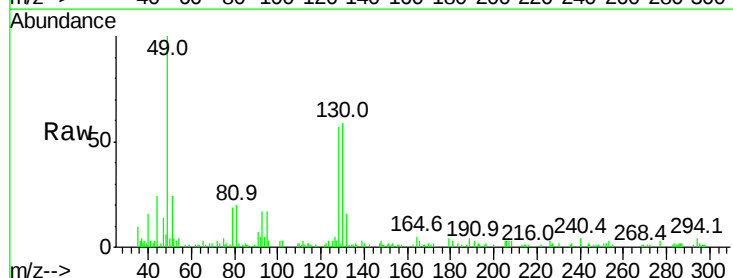
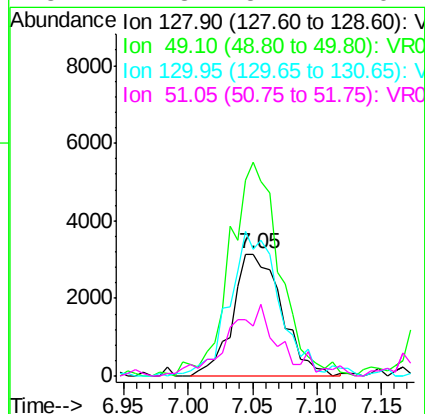
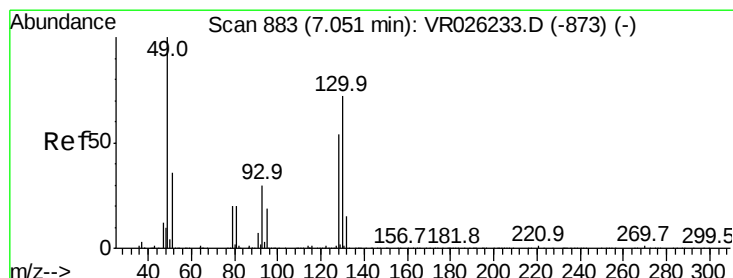
Tgt Ion: 96 Resp: 23042
Ion Ratio Lower Upper
96 100
61 159.0 94.8 176.2
68 0.9 0.0 0.0#

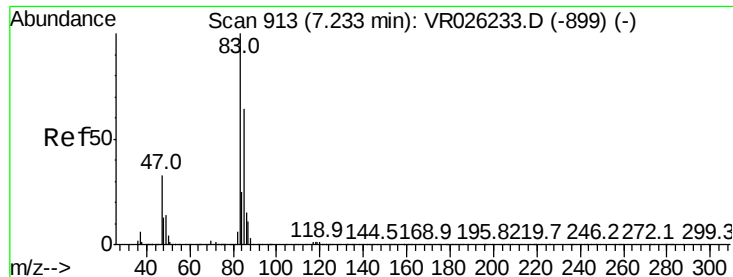


#23

Bromochloromethane
Concen: 0.572 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion: 128 Resp: 8318
Ion Ratio Lower Upper
128 100
49 175.0 129.6 240.6
130 103.8 93.1 172.9
51 41.3 52.7 79.1#

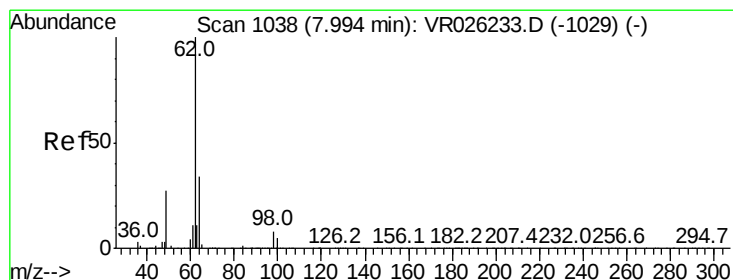
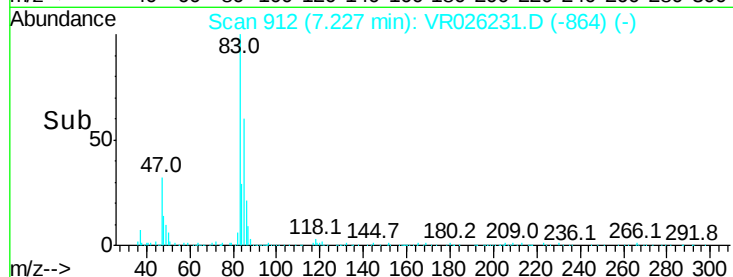
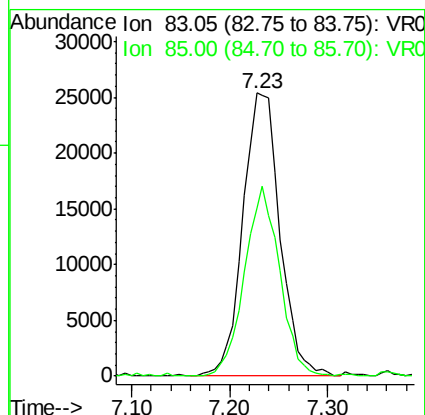
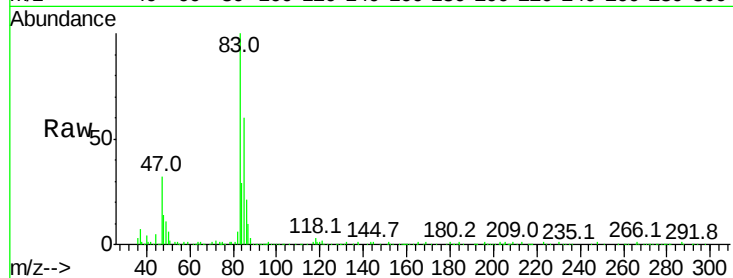




#25
Chloroform
Concen: 0.695 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

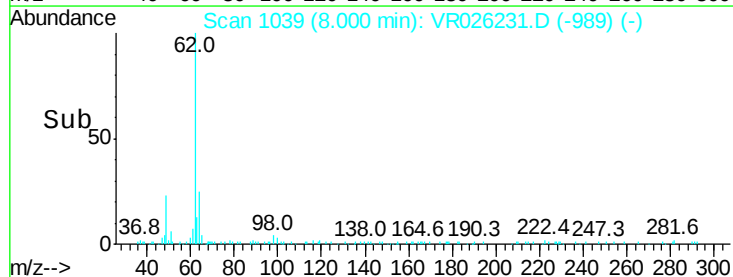
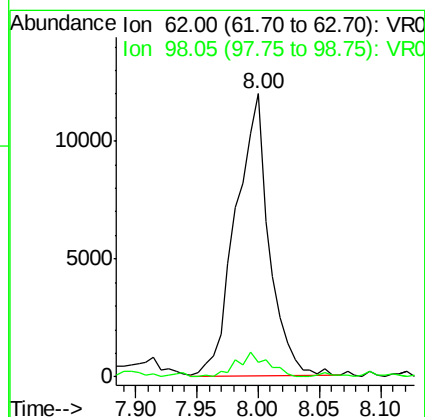
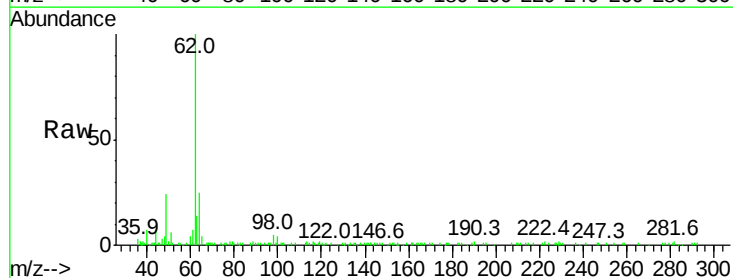
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

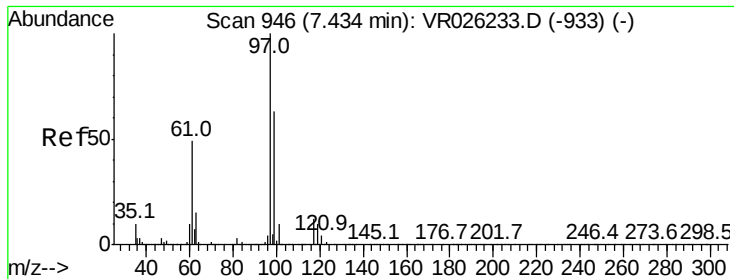
Tgt Ion: 83 Resp: 66832
Ion Ratio Lower Upper
83 100
85 59.6 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.506 ug/L
RT: 8.00 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion: 62 Resp: 22575
Ion Ratio Lower Upper
62 100
98 5.2 6.1 9.1#





#29

1,1,1-Trichloroethane

Concen: 0.559 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.588

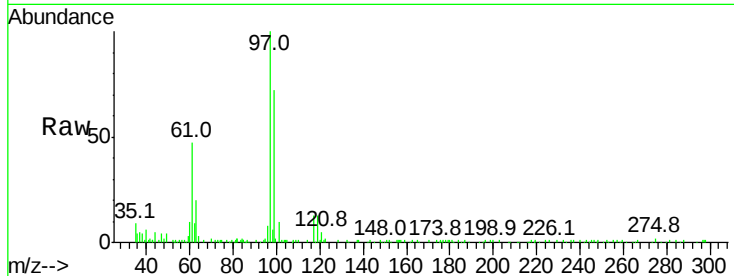
Tgt Ion: 97 Resp: 42386

Ion Ratio Lower Upper

97 100

99 66.3 51.9 77.9

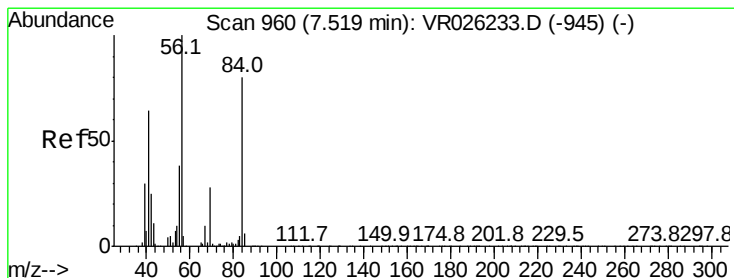
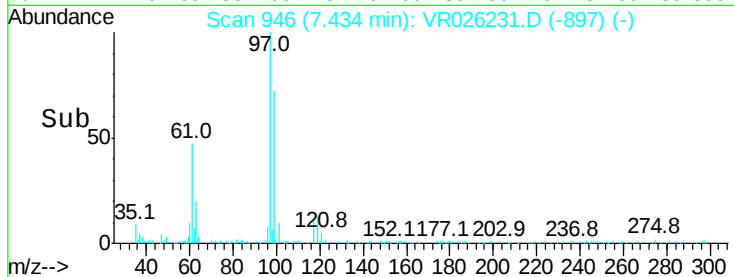
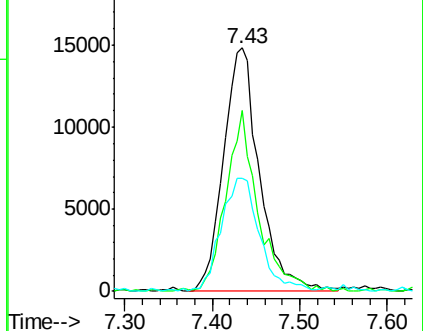
61 49.8 39.9 59.9



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.503 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

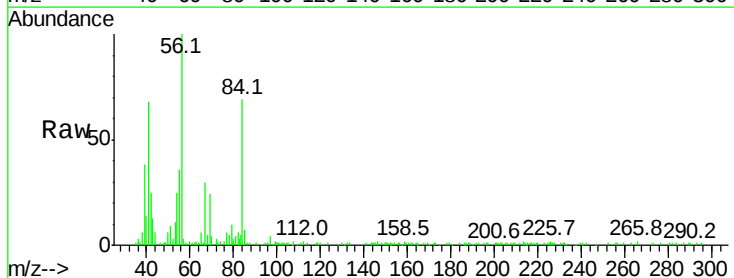
Tgt Ion: 56 Resp: 33407

Ion Ratio Lower Upper

56 100

69 32.1 23.6 35.4

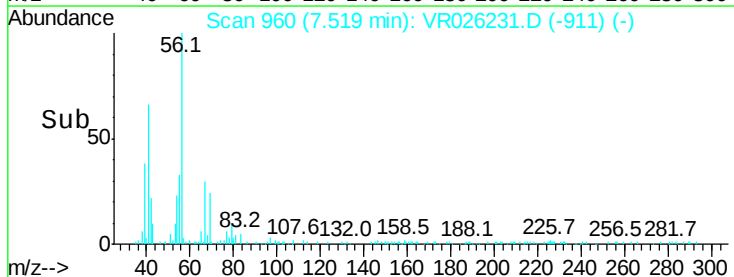
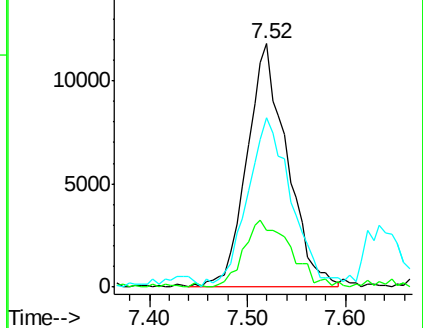
84 77.1 64.9 97.3

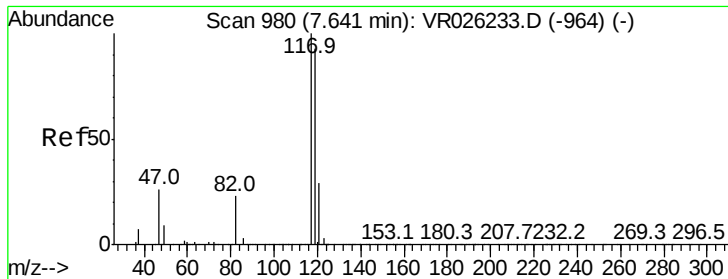


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0



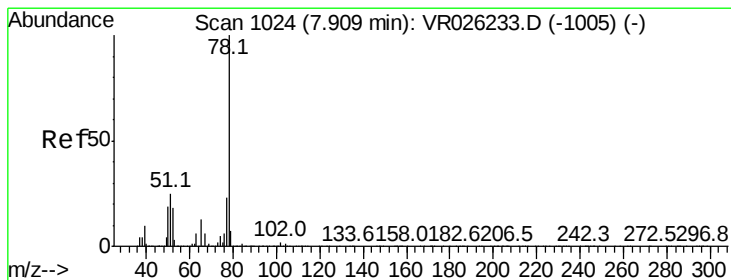
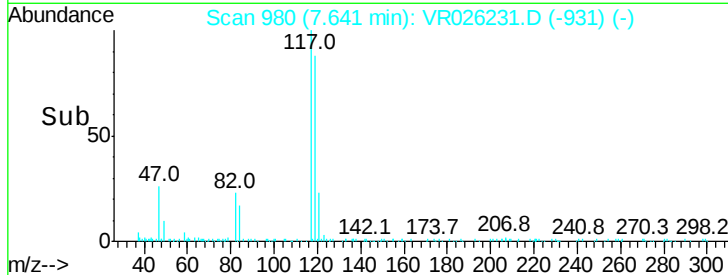
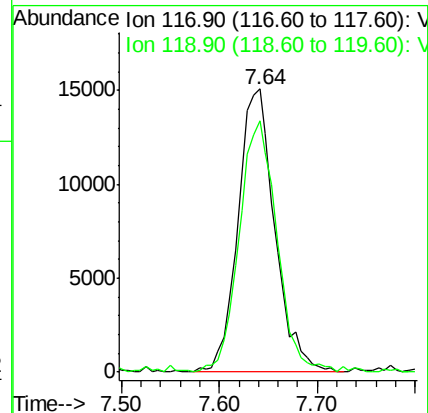
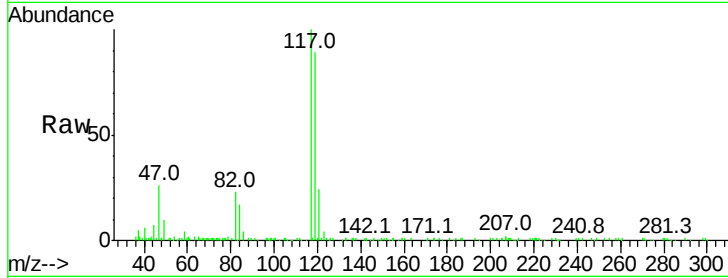


#31

Carbon tetrachloride
Concen: 0.585 ug/L
RT: 7.64 min Scan# 980
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

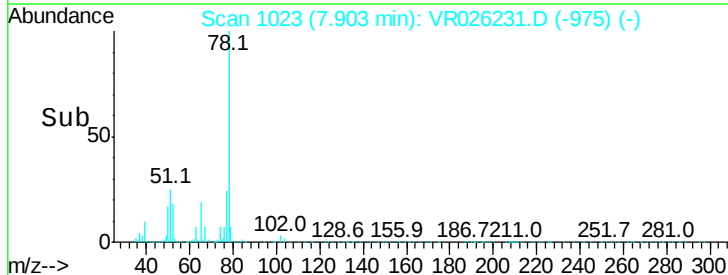
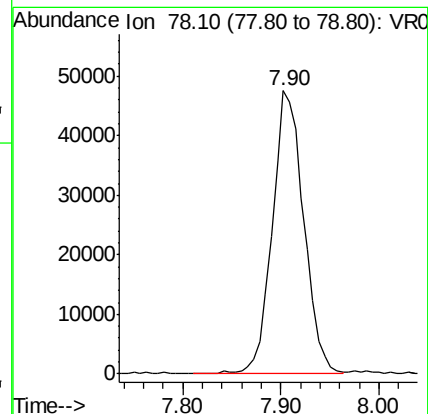
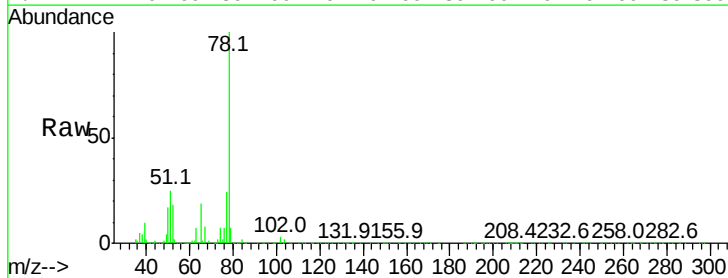
Tgt Ion:117 Resp: 39312
Ion Ratio Lower Upper
117 100
119 90.8 74.7 112.1

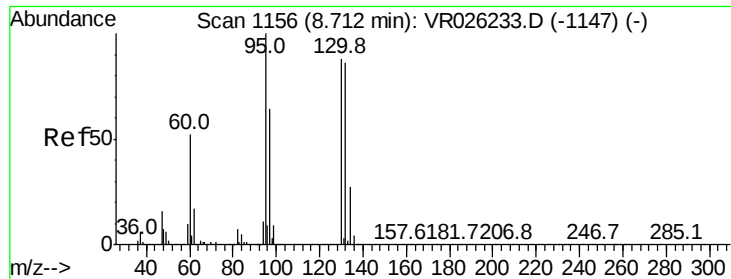


#33

Benzene
Concen: 0.521 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion: 78 Resp: 106359





#34

Trichloroethene

Concen: 0.551 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.588

Tgt Ion: 95 Resp: 28671

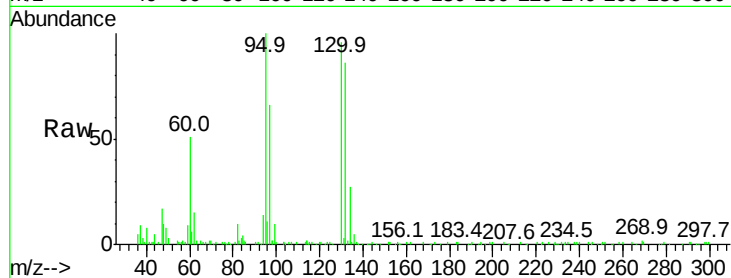
Ion Ratio Lower Upper

95 100

97 65.9 45.1 83.7

132 85.9 59.8 111.0

130 96.1 61.4 114.0

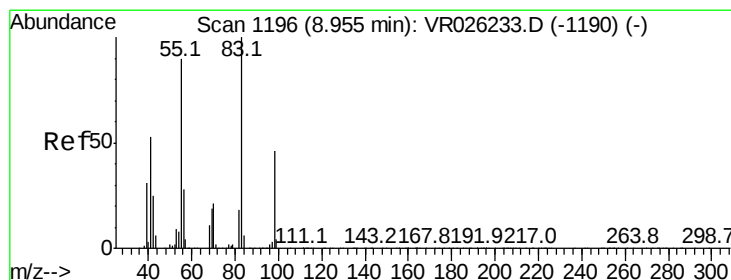
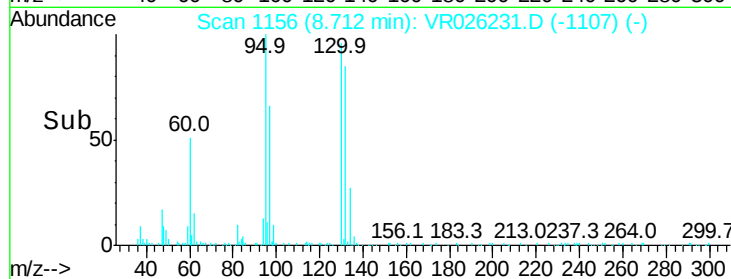
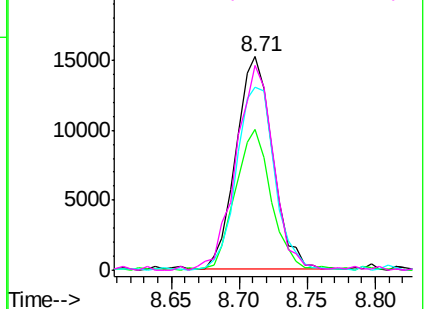


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.513 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

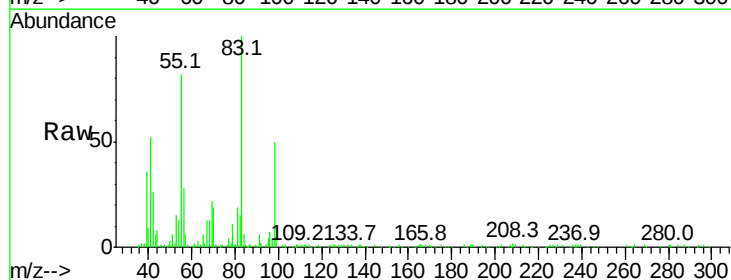
Tgt Ion: 83 Resp: 34709

Ion Ratio Lower Upper

83 100

55 90.8 66.6 100.0

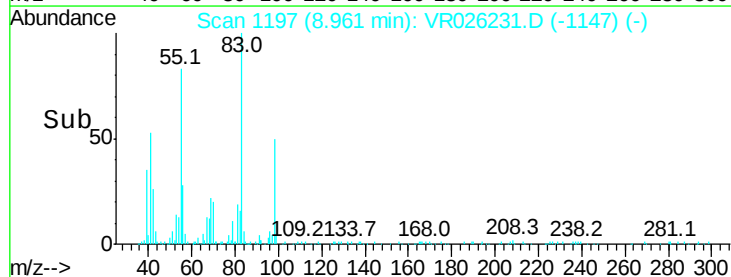
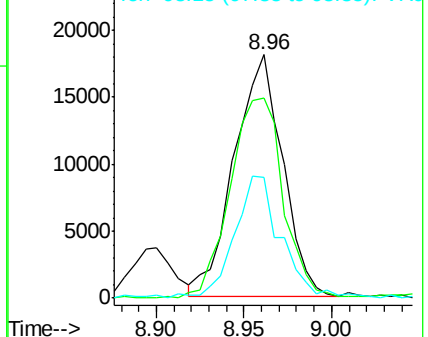
98 47.4 35.5 53.3

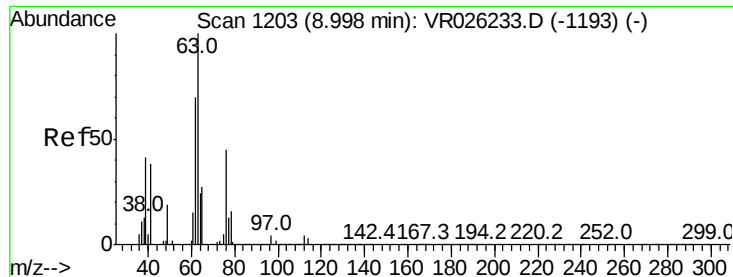


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.559 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

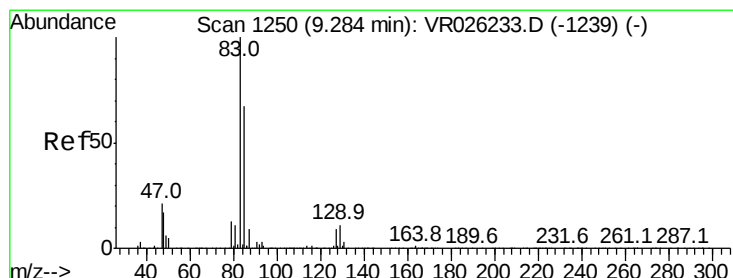
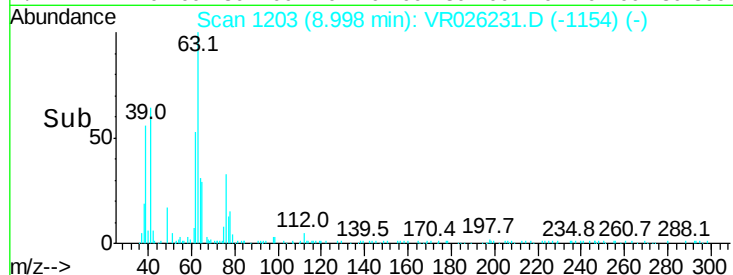
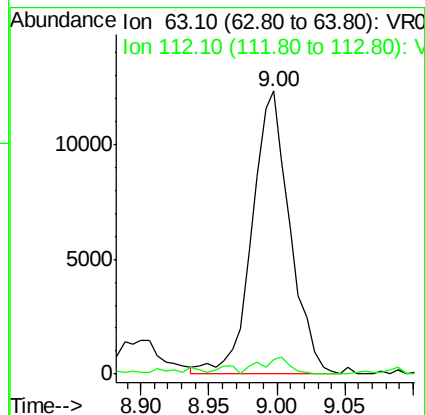
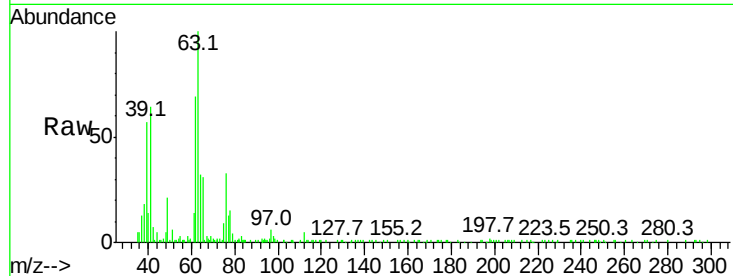
VSTD0.588

Tgt Ion: 63 Resp: 23935

Ion Ratio Lower Upper

63 100

112 4.8 3.4 5.0



#38

Bromodichloromethane

Concen: 0.559 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

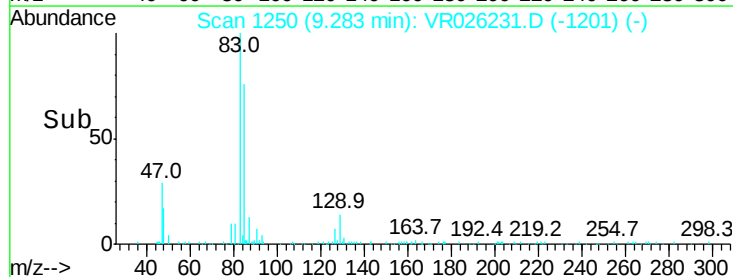
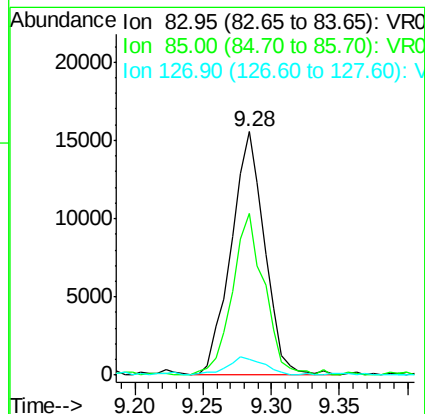
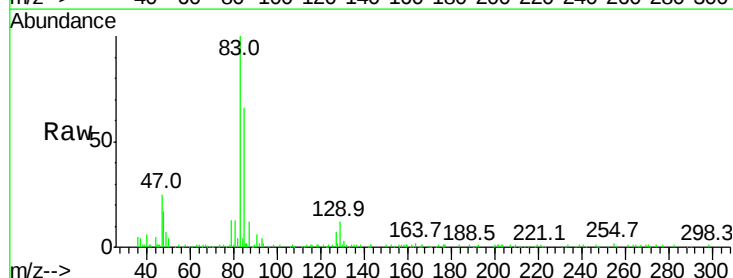
Tgt Ion: 83 Resp: 26732

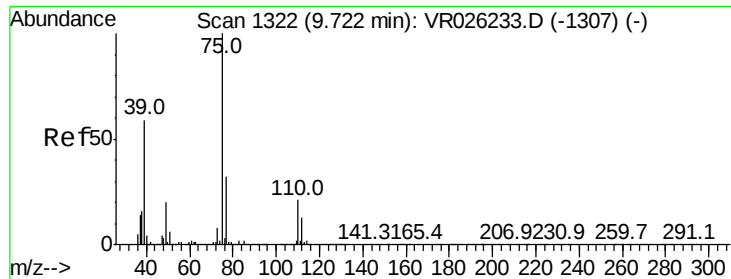
Ion Ratio Lower Upper

83 100

85 68.1 46.8 86.8

127 6.7 7.0 10.6#





#39

cis-1,3-Dichloropropene

Concen: 0.442 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

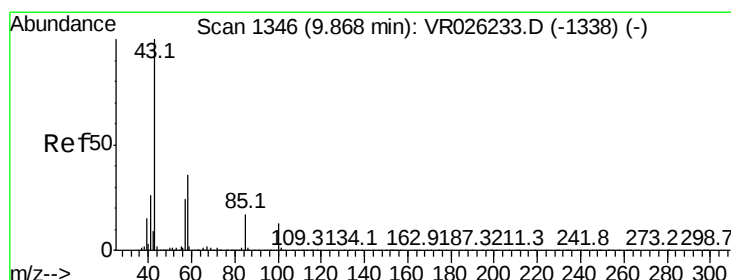
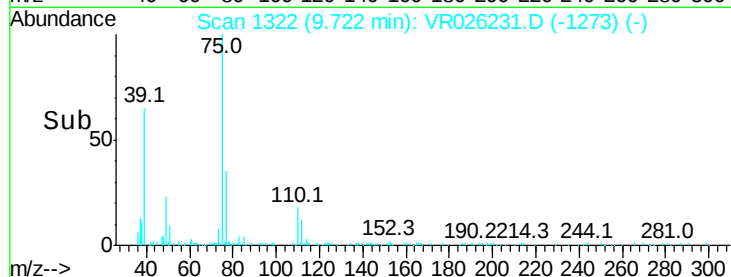
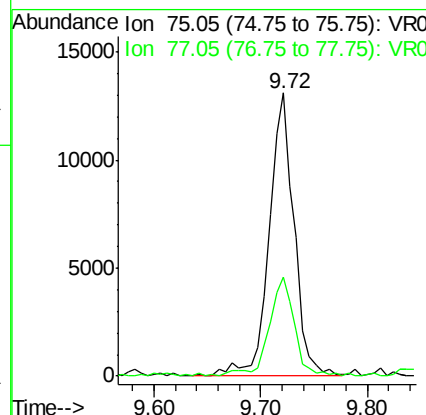
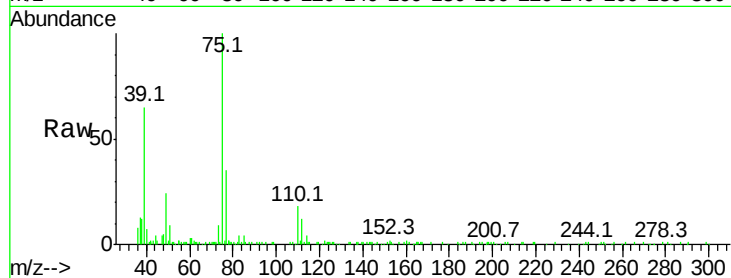
Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

Tgt Ion: 75 Resp: 21405

Ion	Ratio	Lower	Upper
75	100		
77	35.1	22.1	41.1



#40

4-Methyl-2-pentanone

Concen: 4.118 ug/L

RT: 9.87 min Scan# 1346

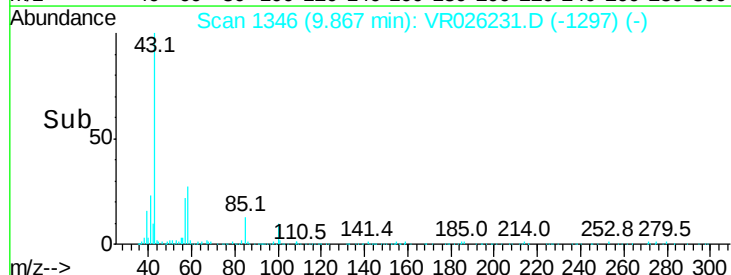
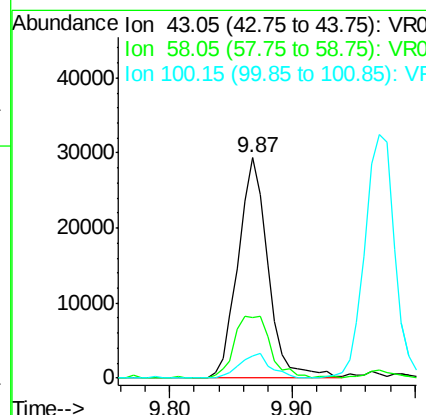
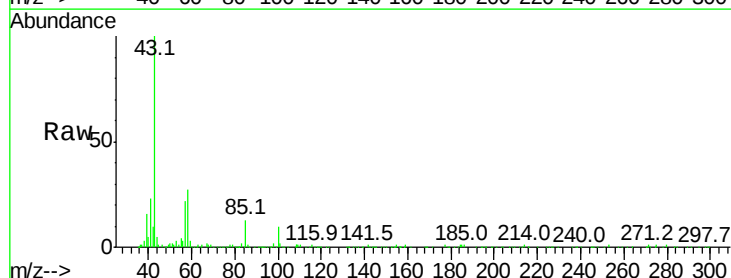
Delta R.T. -0.00 min

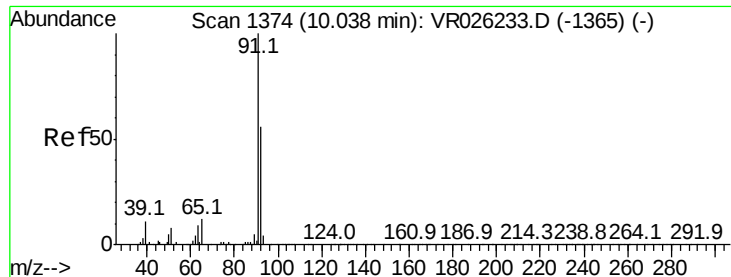
Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Tgt Ion: 43 Resp: 49854

Ion	Ratio	Lower	Upper
43	100		
58	33.6	28.0	42.0
100	11.2	10.0	15.0





#42

Toluene

Concen: 0.750 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

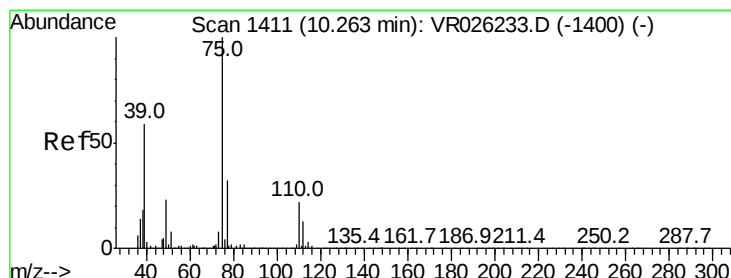
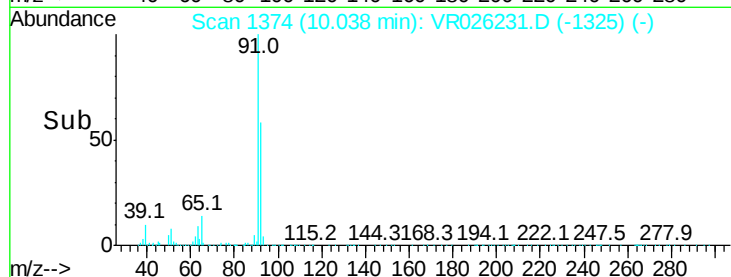
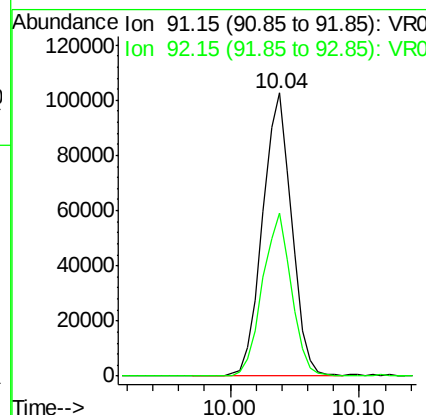
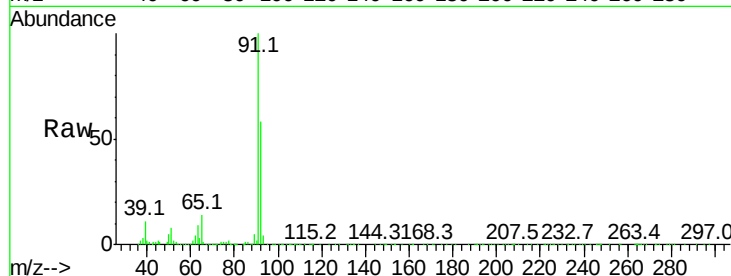
VSTD0.588

Tgt Ion: 91 Resp: 159630

Ion Ratio Lower Upper

91 100

92 57.5 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 0.461 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026231.D

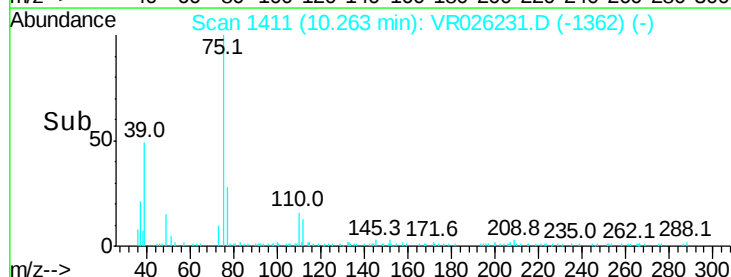
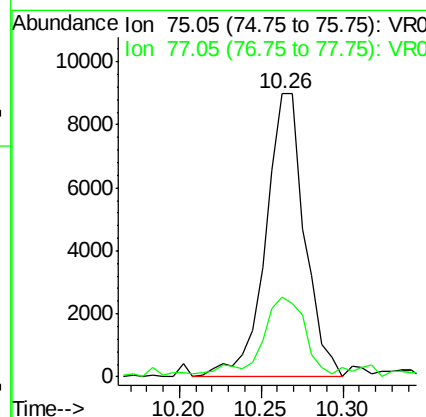
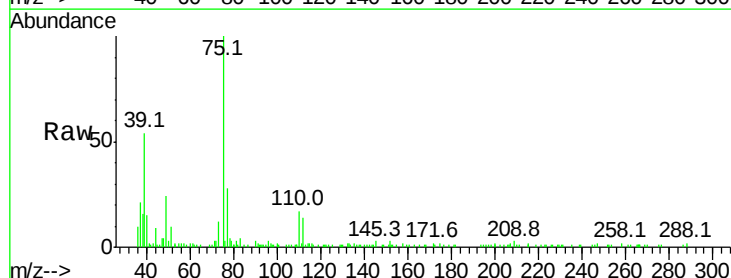
Acq: 20 Nov 2018 15:13

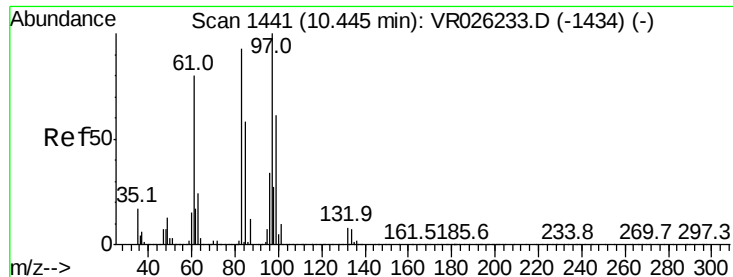
Tgt Ion: 75 Resp: 14887

Ion Ratio Lower Upper

75 100

77 28.1 22.3 41.3

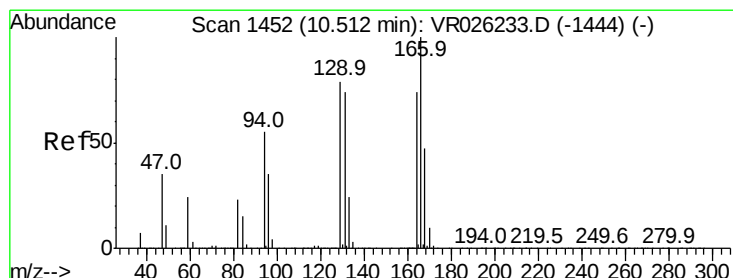
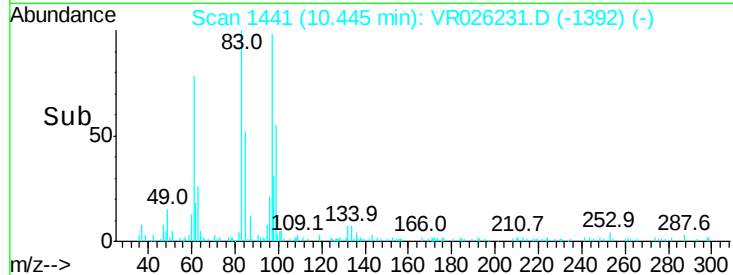
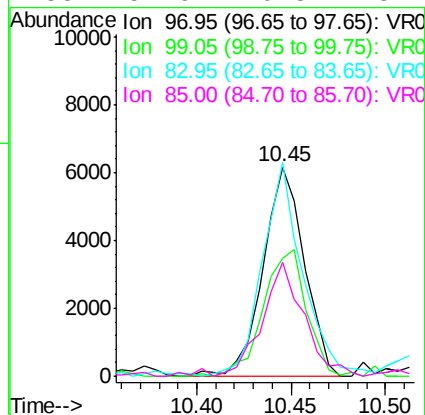
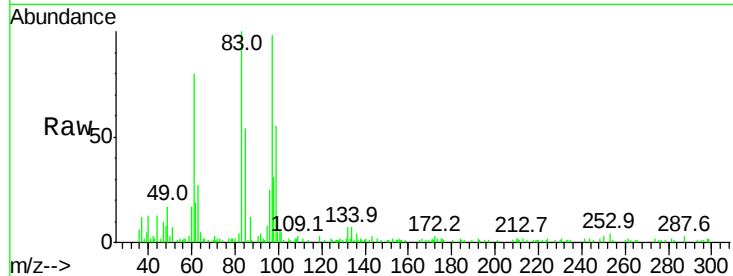




#45
 1,1,2-Trichloroethane
 Concen: 0.505 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026231.D
 Acq: 20 Nov 2018 15:13

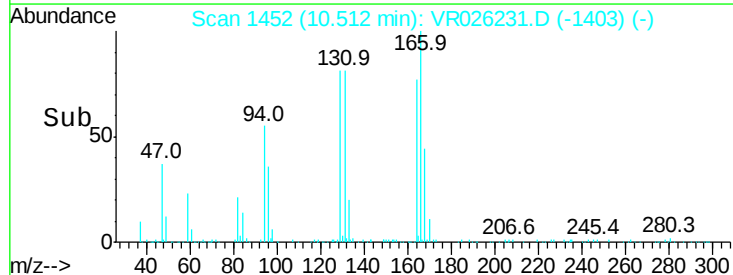
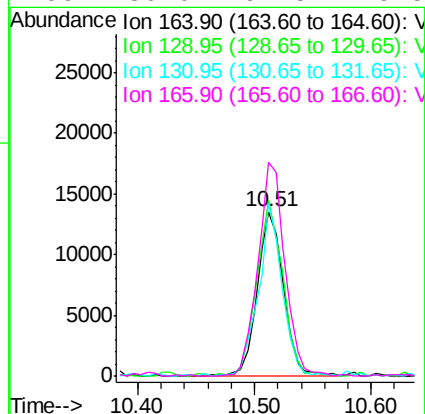
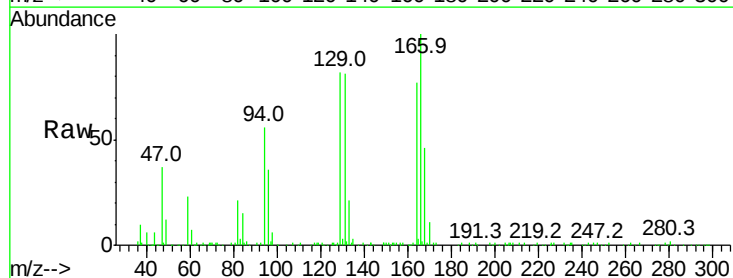
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.588

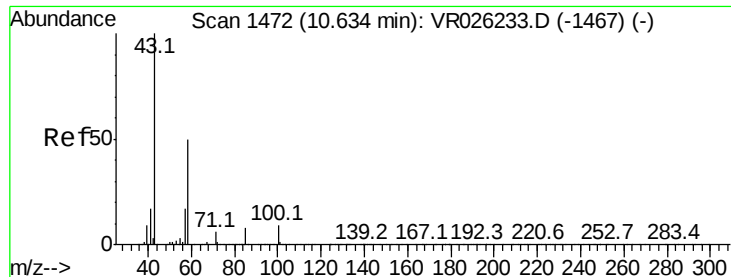
Tgt Ion:	97	Resp:	9334
Ion	Ratio	Lower	Upper
97	100		
99	56.4	43.0	80.0
83	102.1	65.0	120.8
85	54.6	40.5	75.1



#47
 Tetrachloroethene
 Concen: 0.598 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026231.D
 Acq: 20 Nov 2018 15:13

Tgt Ion:	164	Resp:	21248
Ion	Ratio	Lower	Upper
164	100		
129	106.4	74.6	138.6
131	104.9	69.8	129.6
166	130.0	94.5	175.5

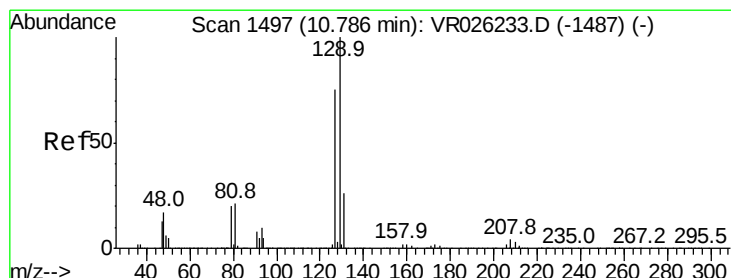
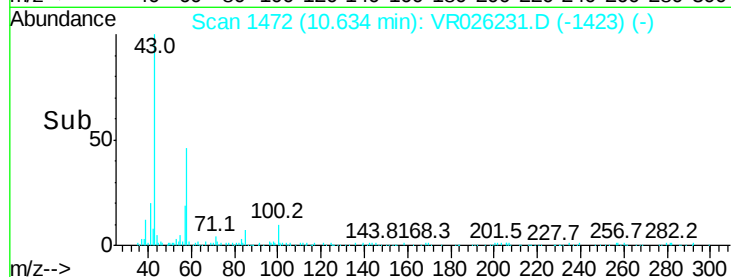
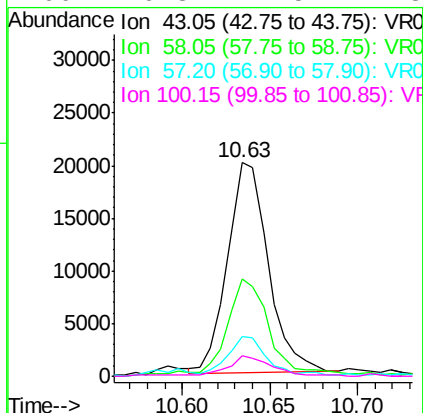
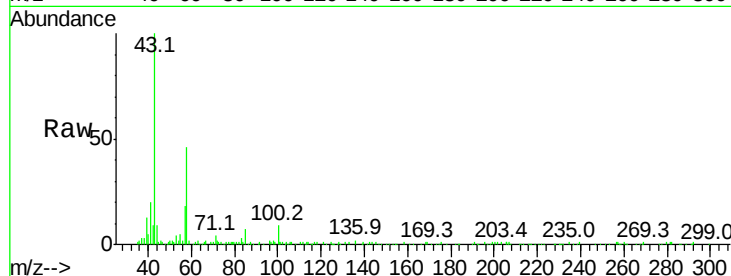




#48
2-Hexanone
Concen: 3.971 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

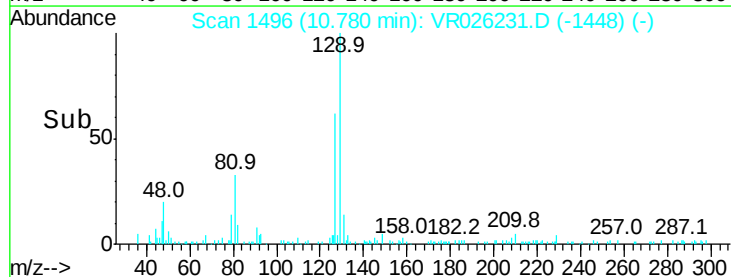
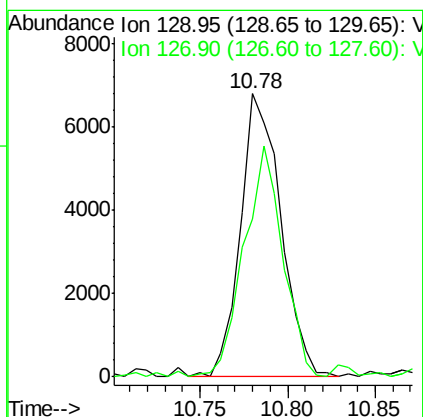
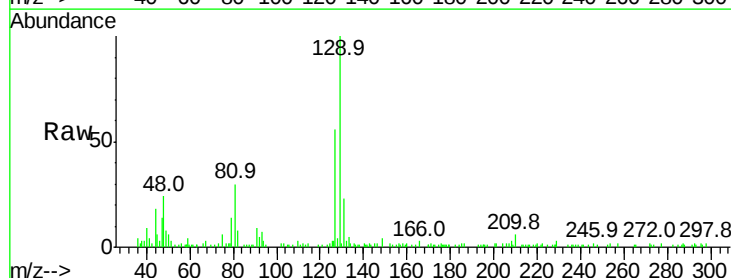
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

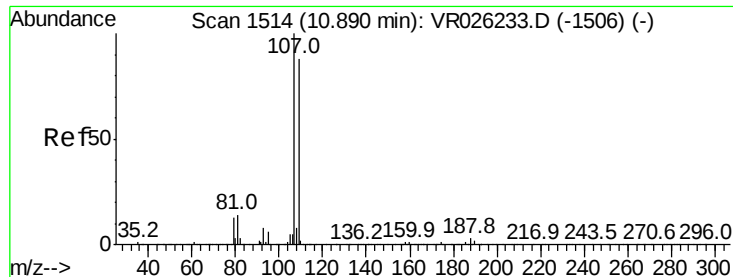
Tgt Ion:	43	Resp:	32418
Ion	Ratio	Lower	Upper
43	100		
58	49.8	41.3	61.9
57	18.1	14.5	21.7
100	10.3	7.5	11.3



#49
Dibromochloromethane
Concen: 0.497 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion:	129	Resp:	10888
Ion	Ratio	Lower	Upper
129	100		
127	55.8	52.8	98.0

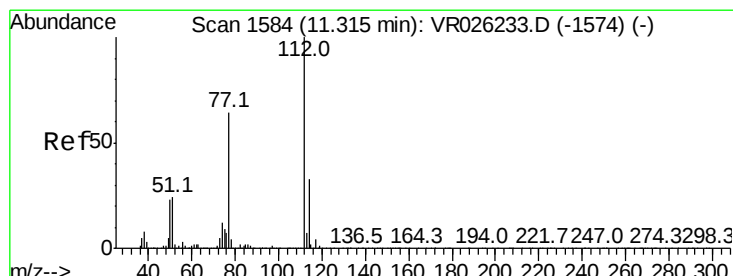
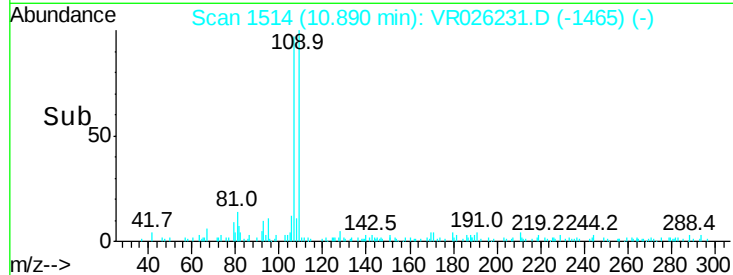
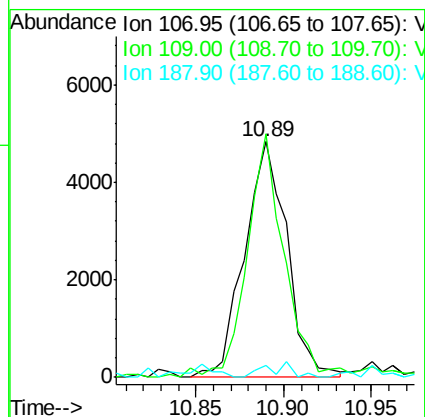
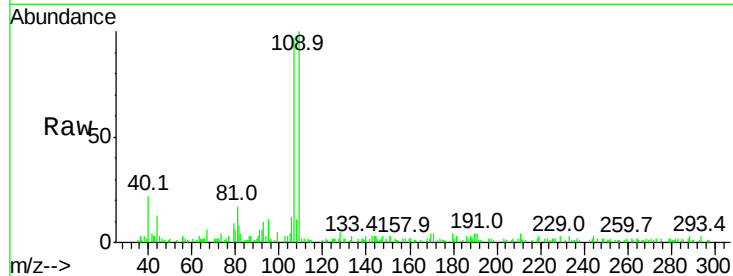




#50
1,2-Dibromoethane
Concen: 0.517 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

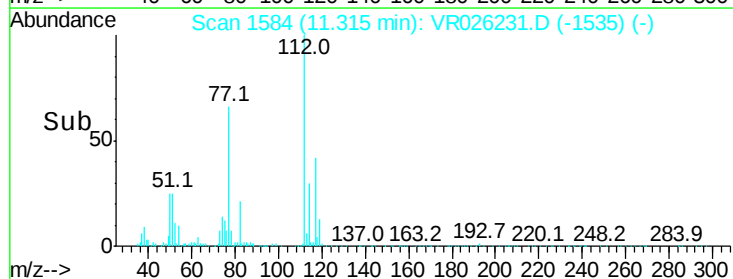
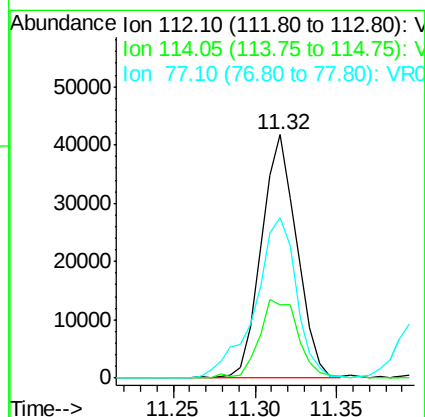
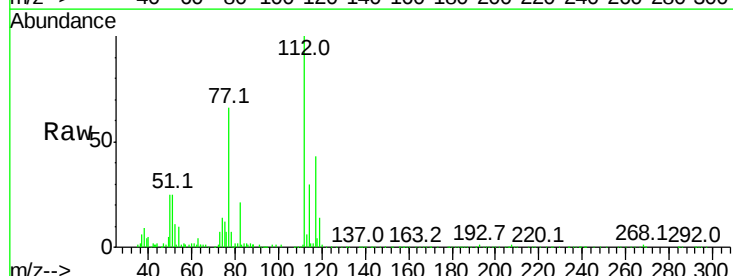
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.588

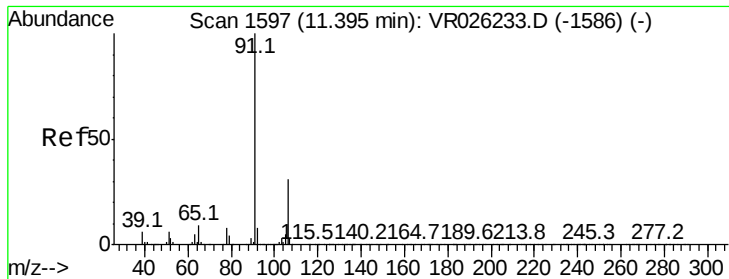
Tgt Ion:107 Resp: 8108
Ion Ratio Lower Upper
107 100
109 103.5 62.1 115.3
188 7.1 2.2 3.2#



#51
Chlorobenzene
Concen: 0.532 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026231.D
Acq: 20 Nov 2018 15:13

Tgt Ion:112 Resp: 62915
Ion Ratio Lower Upper
112 100
114 30.0 23.0 42.6
77 66.1 51.5 77.3





#52

Ethylbenzene

Concen: 0.499 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

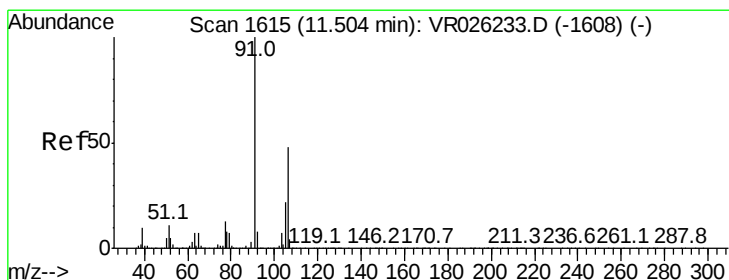
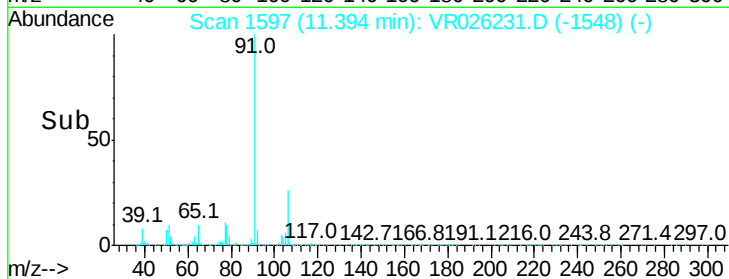
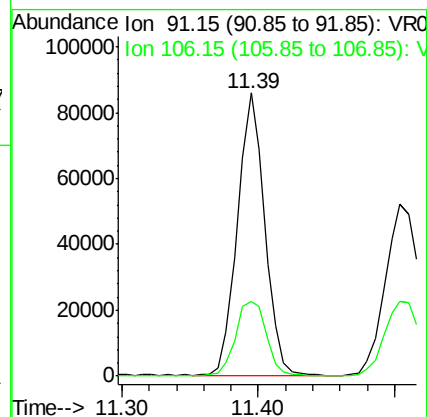
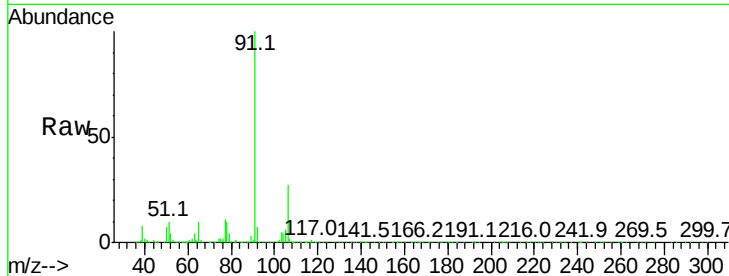
VSTD0.588

Tgt Ion: 91 Resp: 120431

Ion Ratio Lower Upper

91 100

106 26.5 21.3 39.6



#53

m,p-Xylene

Concen: 0.471 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026231.D

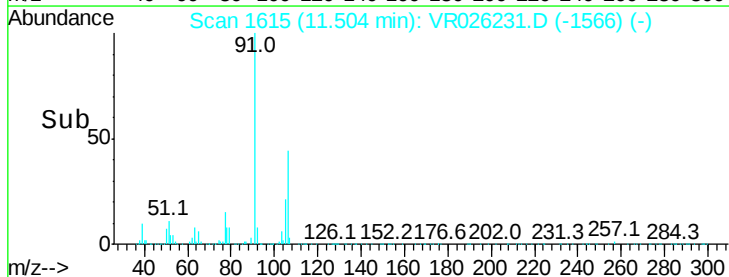
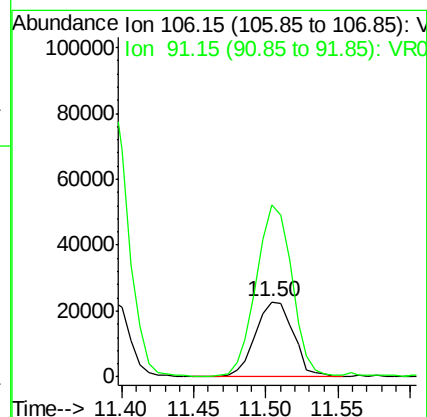
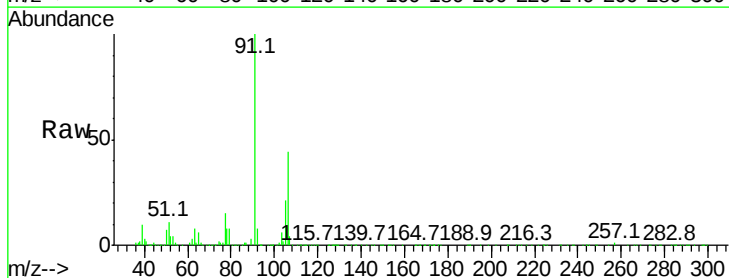
Acq: 20 Nov 2018 15:13

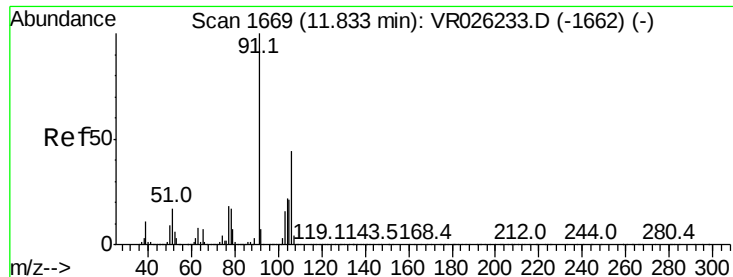
Tgt Ion: 106 Resp: 41268

Ion Ratio Lower Upper

106 100

91 229.1 147.2 273.4





#54

o-Xylene

Concen: 0.459 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

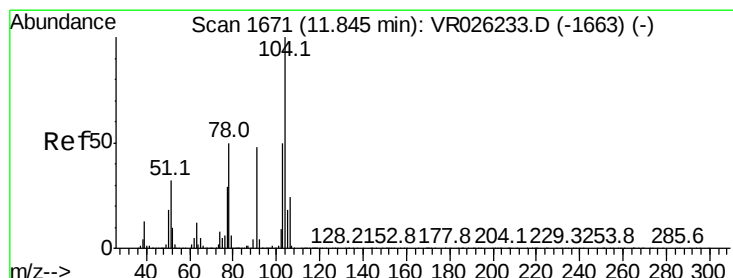
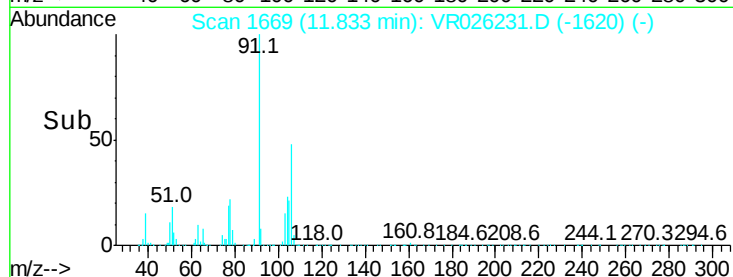
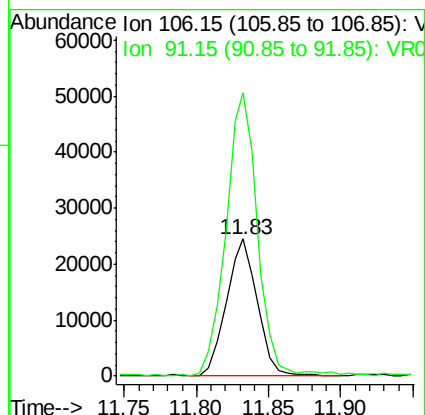
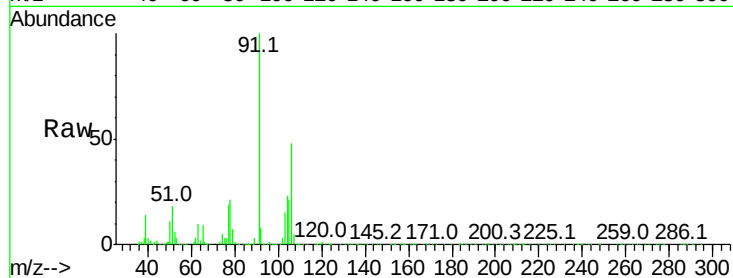
VSTD0.588

Tgt Ion:106 Resp: 36725

Ion Ratio Lower Upper

106 100

91 206.7 159.0 295.4



#55

Styrene

Concen: 0.422 ug/L

RT: 11.85 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VR026231.D

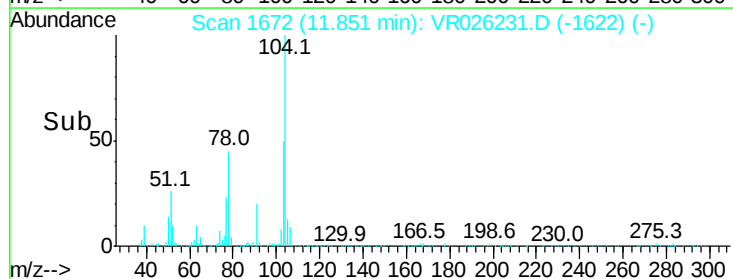
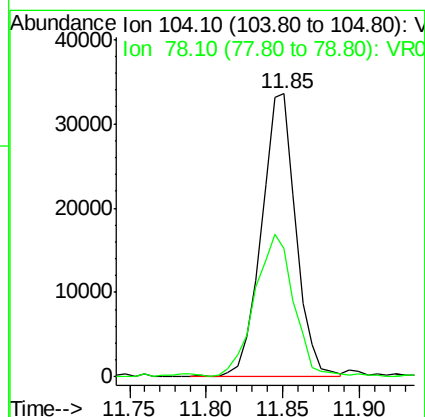
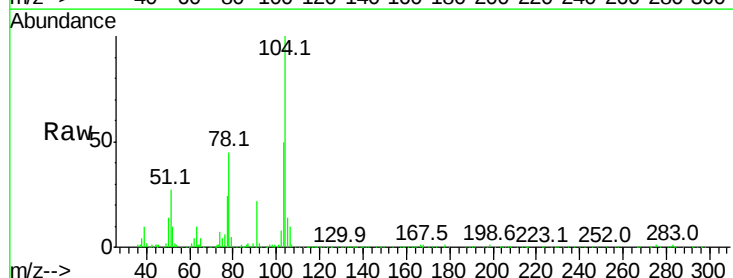
Acq: 20 Nov 2018 15:13

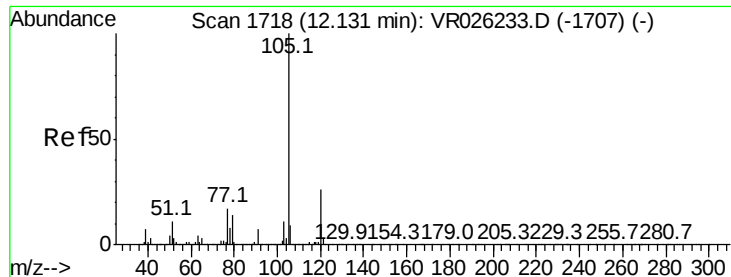
Tgt Ion:104 Resp: 52470

Ion Ratio Lower Upper

104 100

78 45.5 35.4 65.7





#56

Isopropylbenzene

Concen: 0.462 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.588

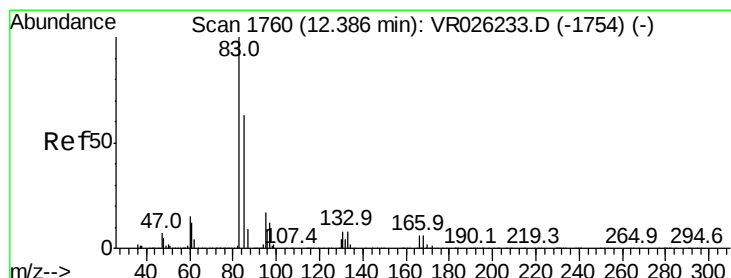
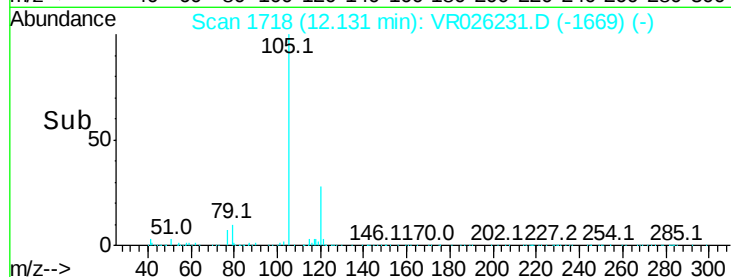
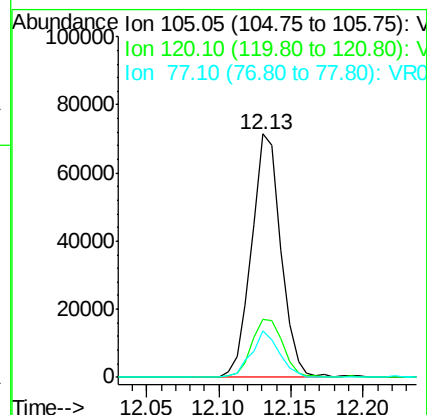
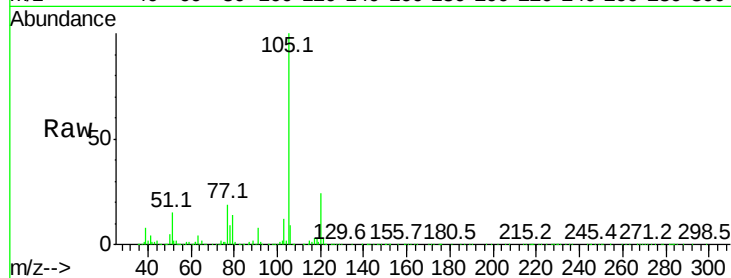
Tgt Ion: 105 Resp: 99859

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

77 18.5 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 0.507 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

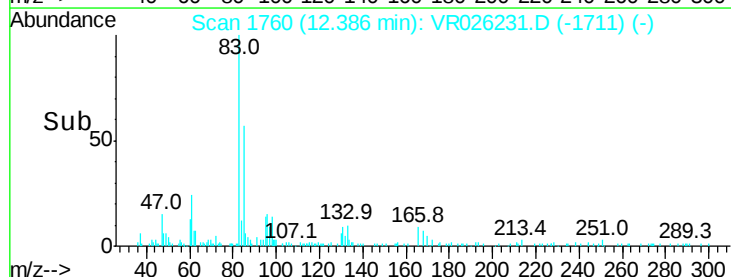
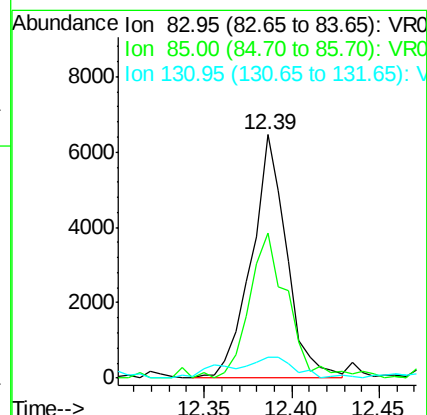
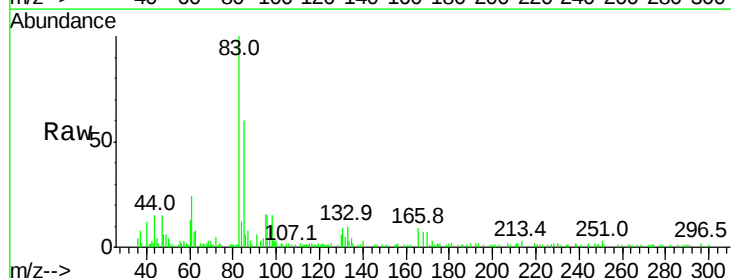
Tgt Ion: 83 Resp: 9061

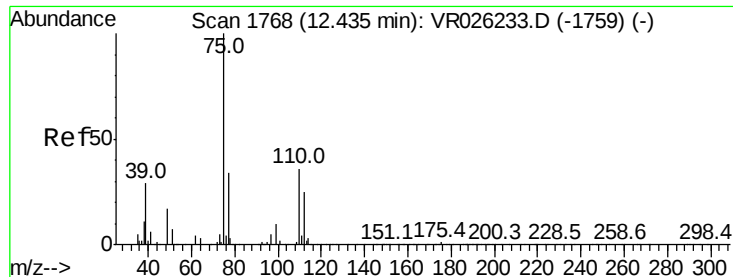
Ion Ratio Lower Upper

83 100

85 59.5 44.5 82.7

131 8.5 7.1 10.7





#59

1,2,3-Trichloropropane

Concen: 0.517 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

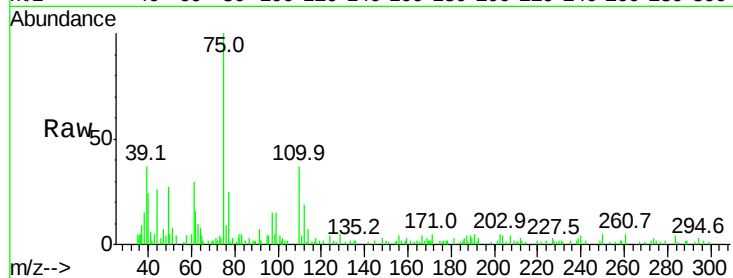
VSTD0.588

Tgt Ion: 75 Resp: 6950

Ion Ratio Lower Upper

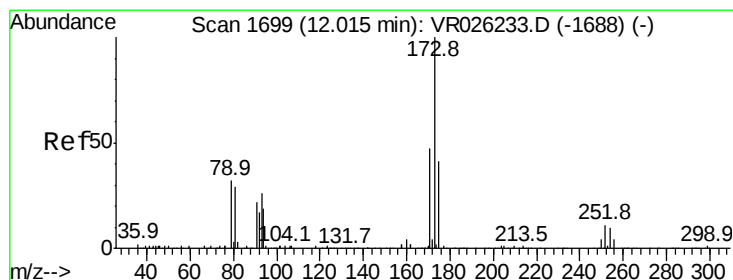
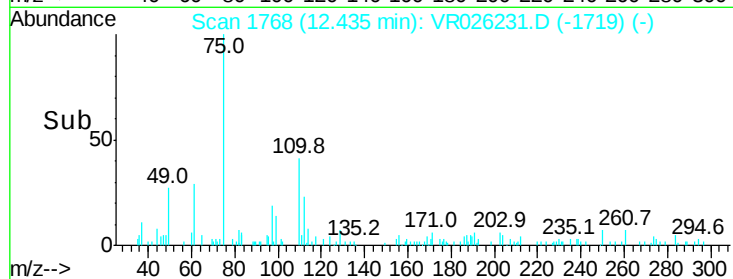
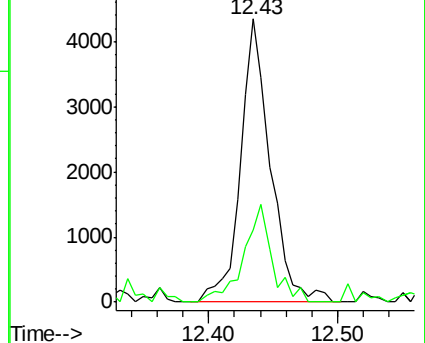
75 100

77 33.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 0.504 ug/L

RT: 12.02 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

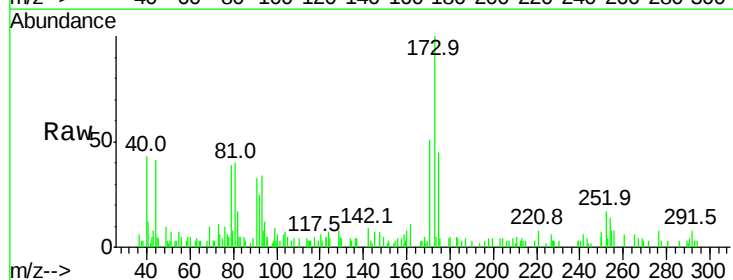
Tgt Ion: 173 Resp: 3986

Ion Ratio Lower Upper

173 100

175 53.0 37.8 56.8

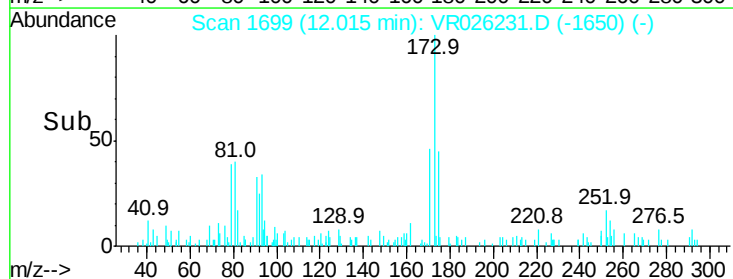
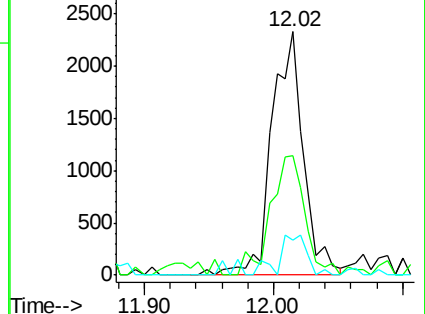
254 14.5 7.5 11.3#

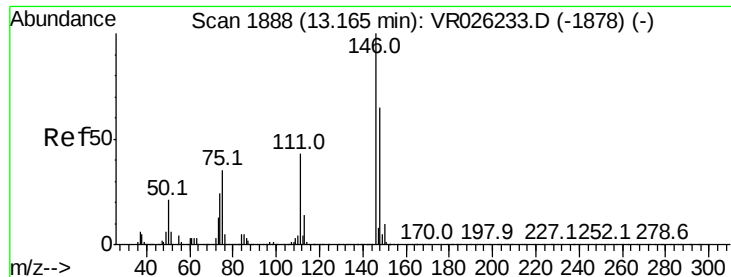


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.516 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

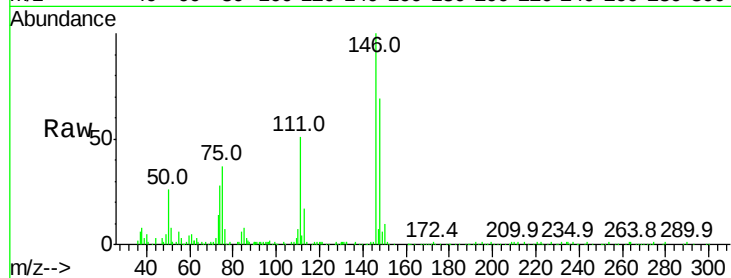
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.588

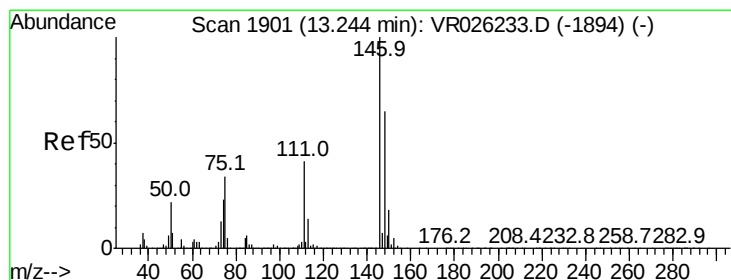
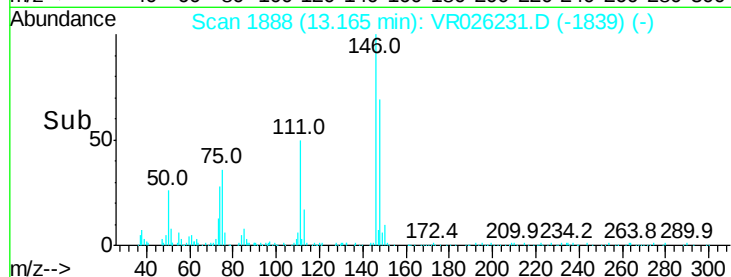
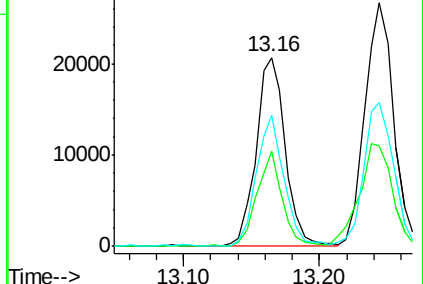
Tgt Ion:	146	Resp:	31239
Ion	Ratio	Lower	Upper
146	100		
111	50.6	29.9	55.5
148	69.3	45.6	84.8



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: 0.589 ug/L

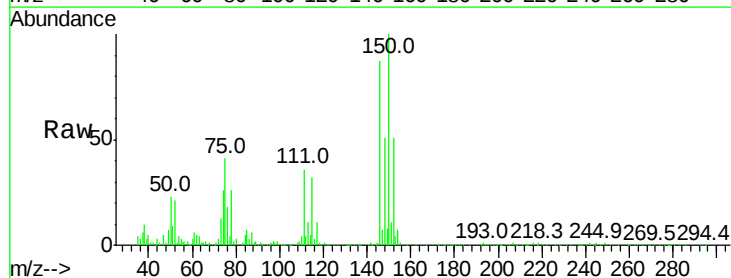
RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

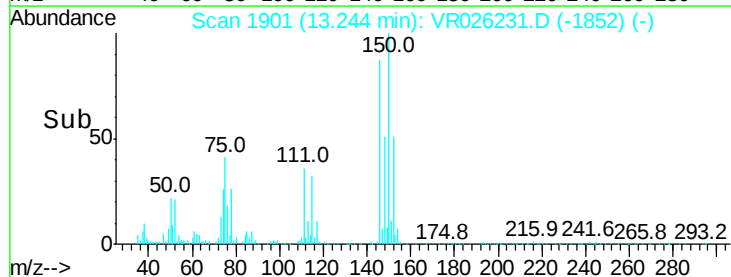
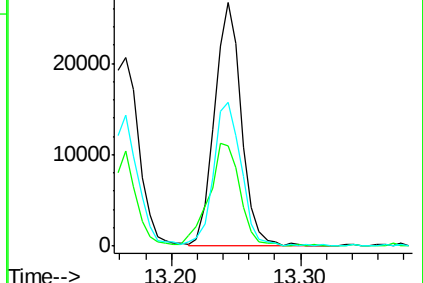
Tgt Ion:	146	Resp:	39198
Ion	Ratio	Lower	Upper
146	100		
111	41.2	29.0	53.9
148	59.1	45.6	84.8

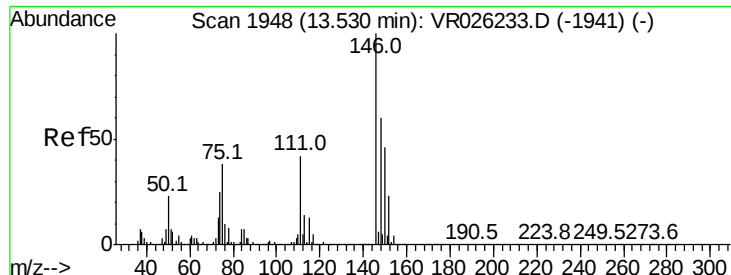


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

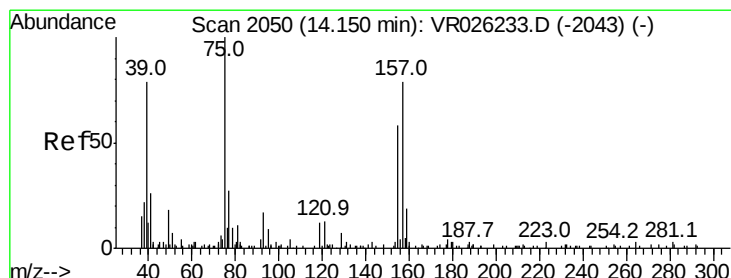
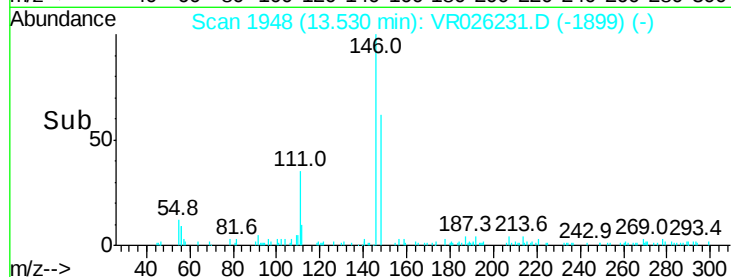
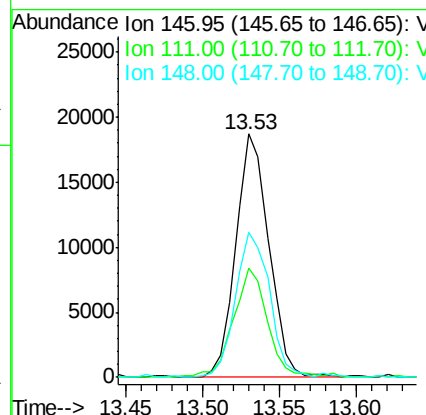
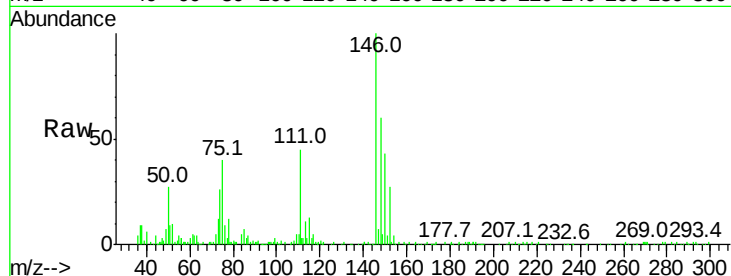




#65
 1,2-Dichlorobenzene
 Concen: 0.553 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026231.D
 Acq: 20 Nov 2018 15:13

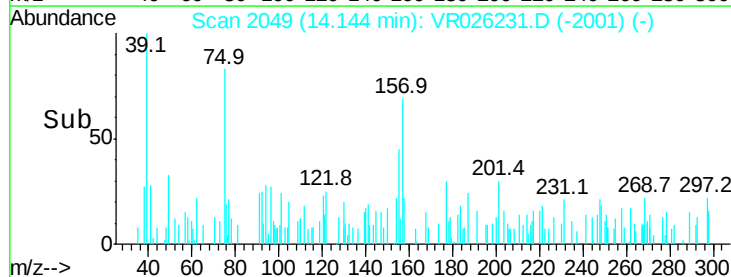
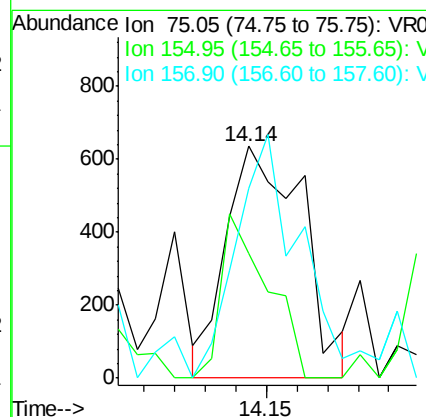
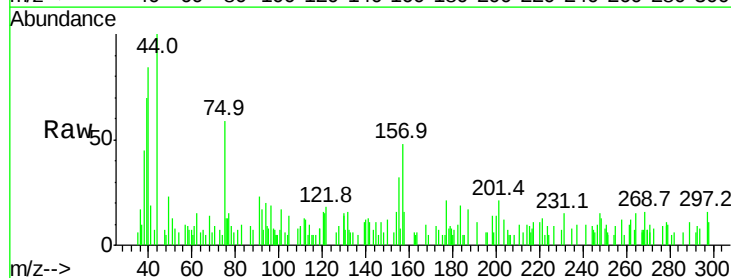
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.588

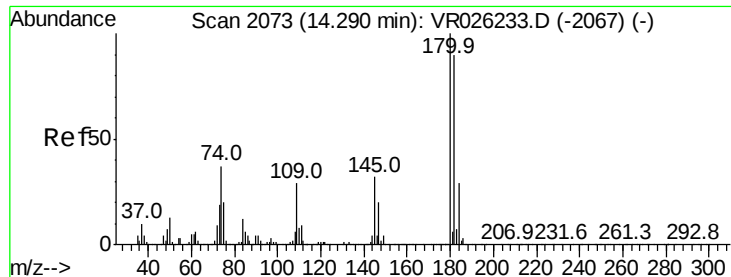
Tgt Ion: 146 Resp: 28058
 Ion Ratio Lower Upper
 146 100
 111 44.9 33.7 50.5
 148 59.5 48.2 72.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.586 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026231.D
 Acq: 20 Nov 2018 15:13

Tgt Ion: 75 Resp: 1103
 Ion Ratio Lower Upper
 75 100
 155 53.7 46.0 69.0
 157 82.2 65.5 98.3

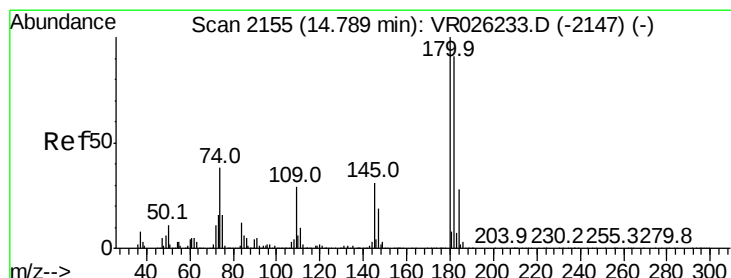
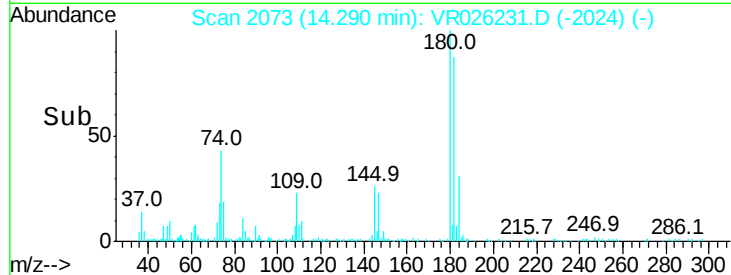
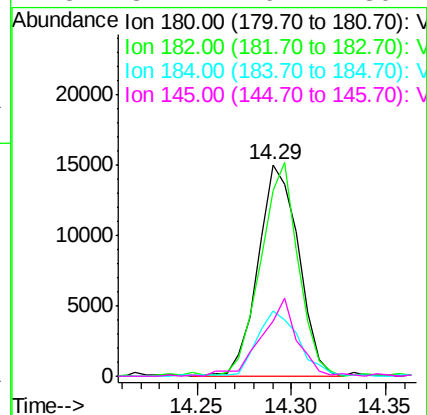
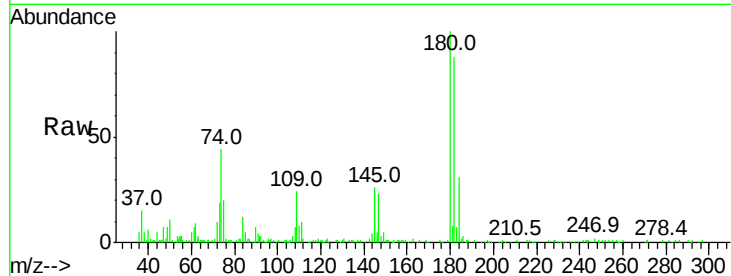




#67
 1,3,5-Trichlorobenzene
 Concen: 0.590 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026231.D
 Acq: 20 Nov 2018 15:13

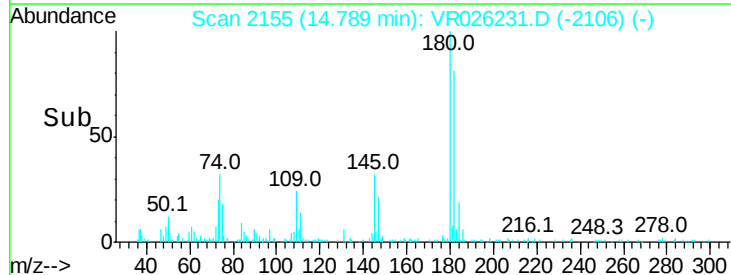
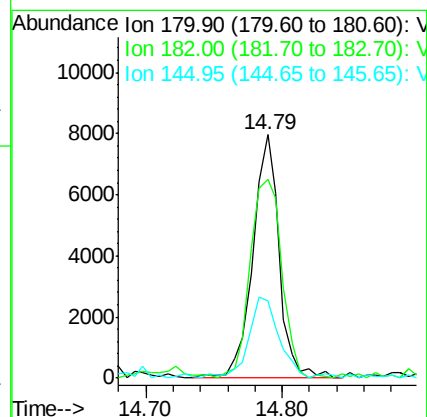
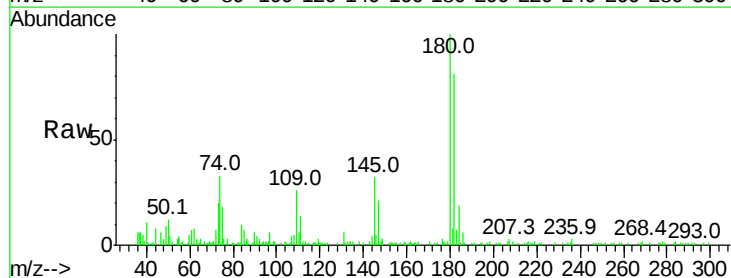
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.588

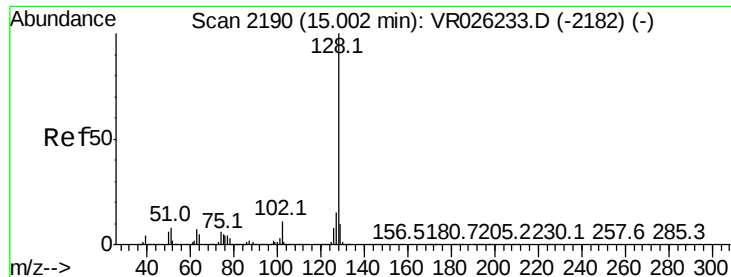
Tgt Ion:	180	Resp:	22223
Ion	Ratio	Lower	Upper
180	100		
182	92.2	76.5	114.7
184	32.7	24.7	37.1
145	32.7	26.2	39.4



#68
 1,2,4-trichlorobenzene
 Concen: 0.516 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026231.D
 Acq: 20 Nov 2018 15:13

Tgt Ion:	180	Resp:	10863
Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.2	114.4
145	38.0	26.2	39.4





#69

Naphthalene

Concen: 0.363 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.588

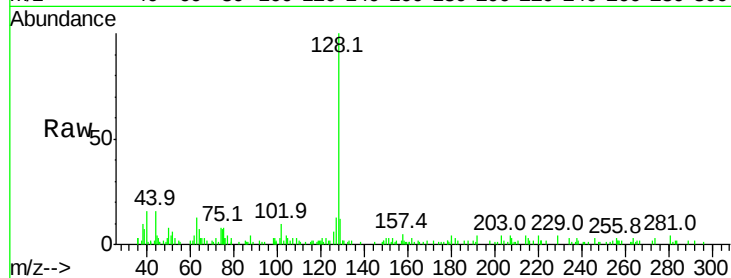
Tgt Ion:128 Resp: 8057

Ion Ratio Lower Upper

128 100

127 17.8 10.6 16.0#

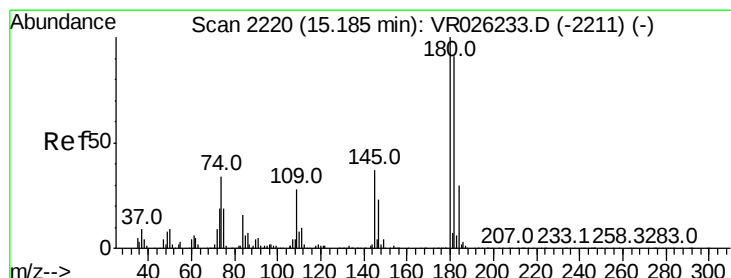
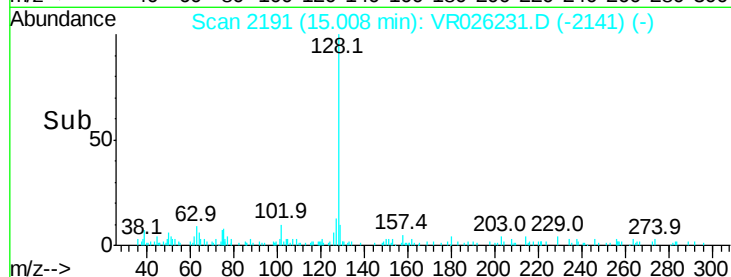
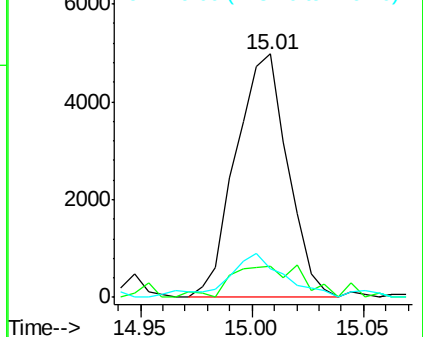
129 19.7 9.0 13.6#



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: 0.547 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VR026231.D

Acq: 20 Nov 2018 15:13

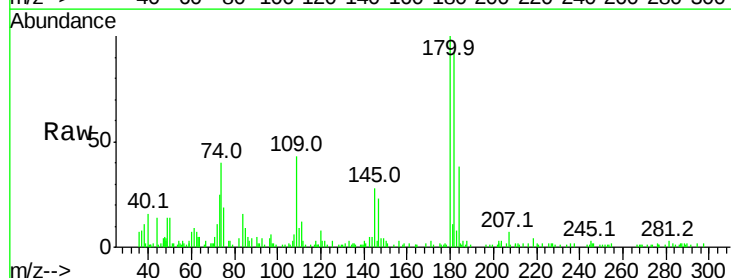
Tgt Ion:180 Resp: 8050

Ion Ratio Lower Upper

180 100

182 101.8 74.4 111.6

145 38.5 29.0 43.6



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

