

Data File : VR026264.D
Acq On : 17 Dec 2018 14:31
Operator : SY/MD
Sample : VSTD0.581
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

Quant Time: Dec 17 16:47:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	746320	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	567906	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	189898	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	23830	0.36	ug/L	0.00
7) Chloroethane-d5	2.62	69	23473	0.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	64501	0.40	ug/L	0.00
20) 2-Butanone-d5	6.58	46	16956	3.36	ug/L	0.00
24) Chloroform-d	7.20	84	47703	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	17271	0.39	ug/L	0.00
32) Benzene-d6	7.85	84	82038	0.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	21287	0.43	ug/L	0.00
41) Toluene-d8	9.97	98	67571	0.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	5718	0.42	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	7239	2.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	8234	0.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	13788	0.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	29652	0.578 ug/L #	87
3) Chloromethane	2.01	50	36208	0.512 ug/L	98
5) Vinyl chloride	2.17	62	38042	0.544 ug/L	92
6) Bromomethane	2.52	94	25251	0.540 ug/L	89
8) Chloroethane	2.66	64	23425	0.535 ug/L	95
9) Trichlorofluoromethane	2.94	101	31053	0.275 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	30853	0.500 ug/L	98
12) 1,1-Dichloroethene	3.63	96	31837	0.477 ug/L	93
13) Acetone	3.70	43	22440	4.864 ug/L	94
14) Carbon disulfide	3.93	76	102444	0.609 ug/L	96
15) Methyl Acetate	4.19	43	5924	0.475 ug/L	98
16) Methylene chloride	4.40	84	31257	0.514 ug/L	84
17) Methyl tert-butyl Ether	4.89	73	22089	0.334 ug/L #	78
18) trans-1,2-Dichloroethene	4.89	96	27023	0.479 ug/L	96
19) 1,1-Dichloroethane	5.70	63	52555	0.511 ug/L	100
21) 2-Butanone	6.69	43	18634	3.166 ug/L	93
22) cis-1,2-Dichloroethene	6.67	96	21541	0.427 ug/L #	94
23) Bromochloromethane	7.05	128	7423	0.473 ug/L	76
25) Chloroform	7.23	83	48920	0.431 ug/L	92
27) 1,2-Dichloroethane	7.99	62	20099	0.431 ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	45407	0.578 ug/L	98
30) Cyclohexane	7.52	56	29555	0.438 ug/L	97
31) Carbon tetrachloride	7.64	117	40666	0.577 ug/L	98
33) Benzene	7.91	78	96317	0.468 ug/L	100
34) Trichloroethene	8.71	95	26685	0.499 ug/L	96
35) Methylcyclohexane	8.96	83	31222	0.432 ug/L	93
37) 1,2-Dichloropropane	9.00	63	21453	0.499 ug/L #	94
38) Bromodichloromethane	9.28	83	24476	0.482 ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	17834	0.369 ug/L #	80
40) 4-Methyl-2-pentanone	9.86	43	36827	2.993 ug/L	99

Data File : VR026264.D
Acq On : 17 Dec 2018 14:31
Operator : SY/MD
Sample : VSTD0.581
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

Quant Time: Dec 17 16:47:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	91552	0.410	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	13075	0.399	ug/L #	80
45) 1,1,2-Trichloroethane	10.45	97	8571	0.448	ug/L	92
47) Tetrachloroethene	10.51	164	19952	0.518	ug/L	96
48) 2-Hexanone	10.64	43	21503	2.611	ug/L	95
49) Dibromochloromethane	10.79	129	10478	0.456	ug/L	97
50) 1,2-Dibromoethane	10.89	107	7508	0.468	ug/L	73
51) Chlorobenzene	11.32	112	58724	0.473	ug/L	90
52) Ethylbenzene	11.39	91	102731	0.416	ug/L	96
53) m,p-Xylene	11.51	106	36668	0.408	ug/L	88
54) o-Xylene	11.83	106	26892	0.330	ug/L	99
55) Styrene	11.85	104	43088	0.332	ug/L	94
56) Isopropylbenzene	12.14	105	82967	0.367	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.38	83	8143	0.445	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	5902	0.441	ug/L	99
61) Bromoform	12.02	173	3541	0.475	ug/L #	88
62) 1,3-Dichlorobenzene	13.16	146	25126	0.417	ug/L	84
63) 1,4-Dichlorobenzene	13.24	146	31425	0.473	ug/L	92
65) 1,2-Dichlorobenzene	13.54	146	21577	0.434	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	1083	0.584	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.30	180	16348	0.434	ug/L	95
68) 1,2,4-trichlorobenzene	14.79	180	8023	0.384	ug/L	93
69) Naphthalene	15.00	128	5873	0.287	ug/L #	93
70) 1,2,3-Trichlorobenzene	15.18	180	5564	0.359	ug/L #	93

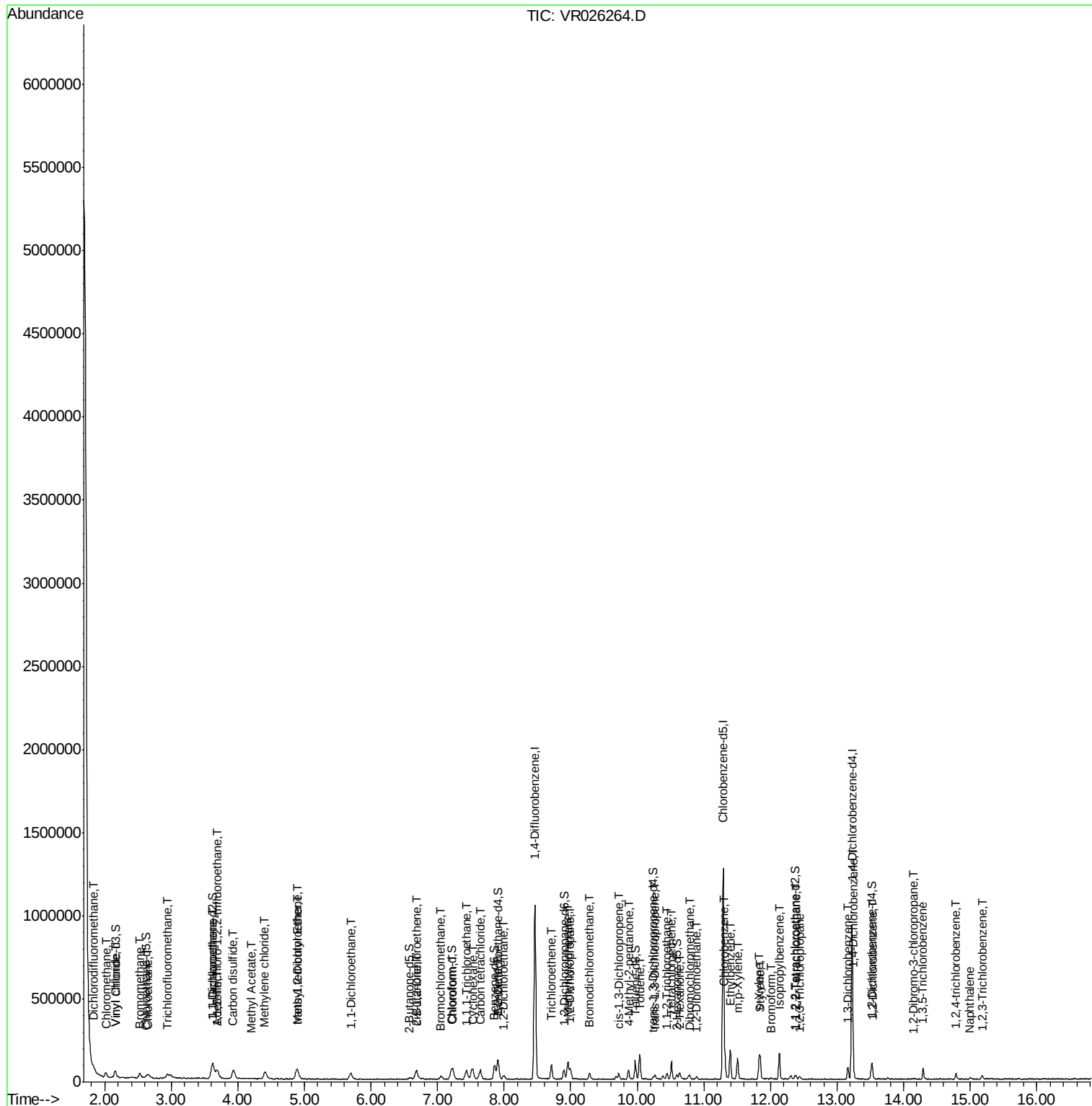
(#) = qualifier out of range (m) = manual integration (+) = signals summed

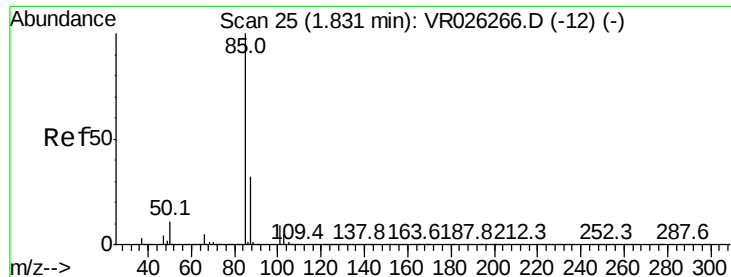
Data File : VR026264.D

```
Acq On       : 17 Dec 2018   14:31
Operator     : SY/MD
Sample       : VSTD0.581
Misc         : 25mL/MSV0A_R/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

Quant Time: Dec 17 16:47:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.578 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

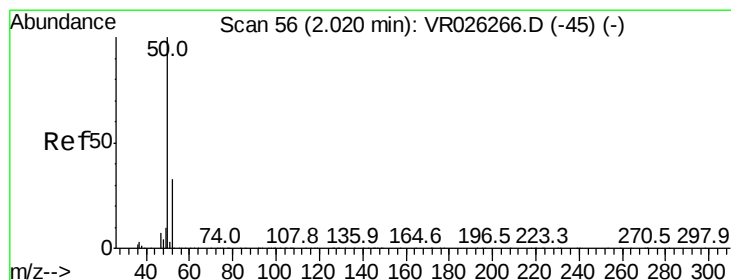
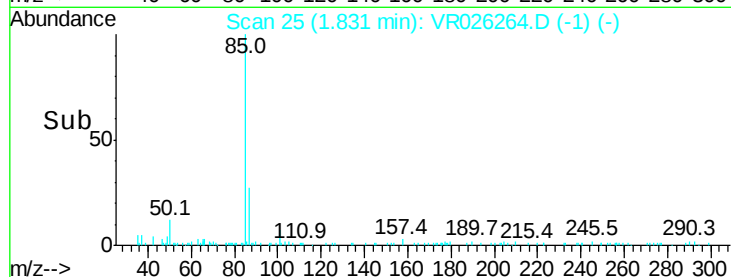
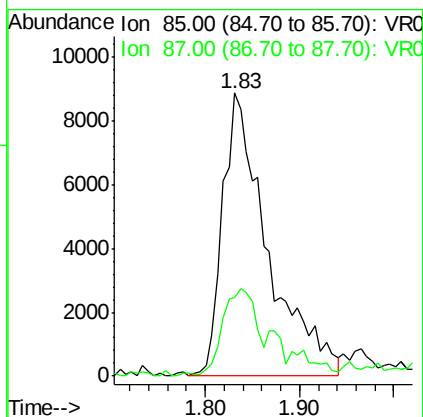
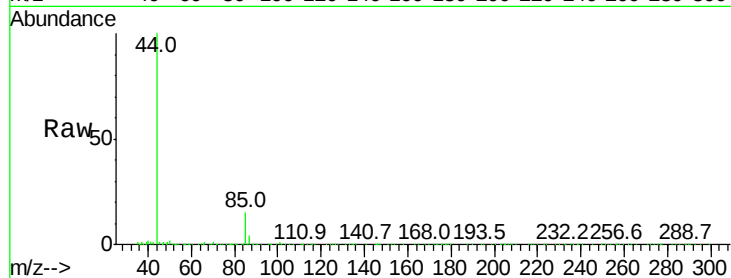
VSTD0.581

Tgt Ion: 85 Resp: 29652

Ion Ratio Lower Upper

85 100

87 22.9 23.8 35.6#



#3

Chloromethane

Concen: 0.512 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026264.D

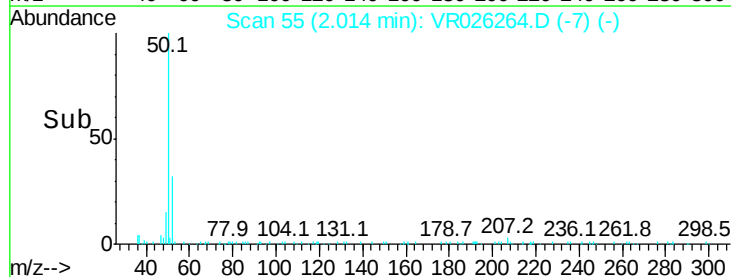
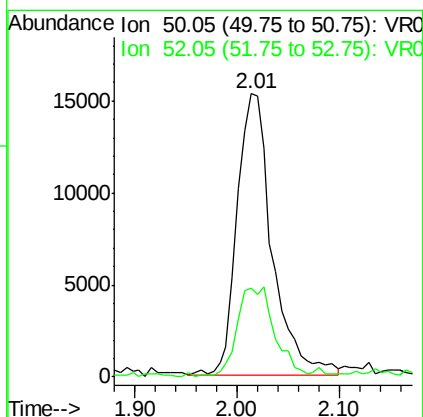
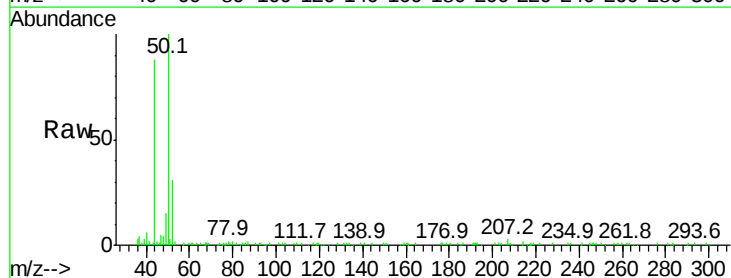
Acq: 17 Dec 2018 14:31

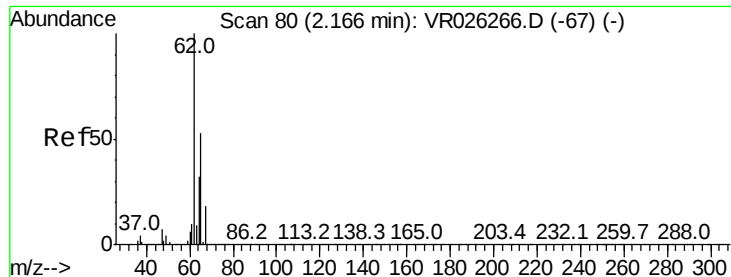
Tgt Ion: 50 Resp: 36208

Ion Ratio Lower Upper

50 100

52 31.4 22.8 42.4





#5

Vinyl chloride

Concen: 0.544 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

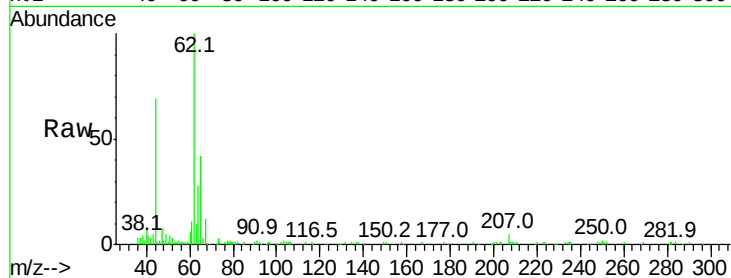
VSTD0.581

Tgt Ion: 62 Resp: 38042

Ion Ratio Lower Upper

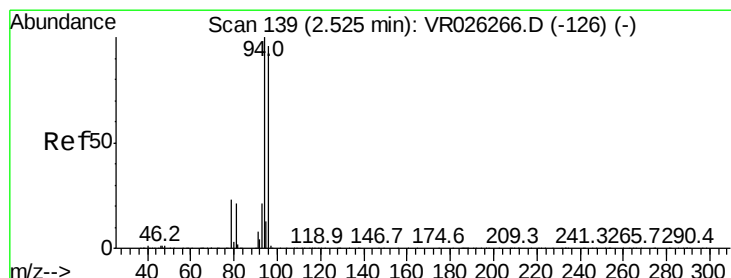
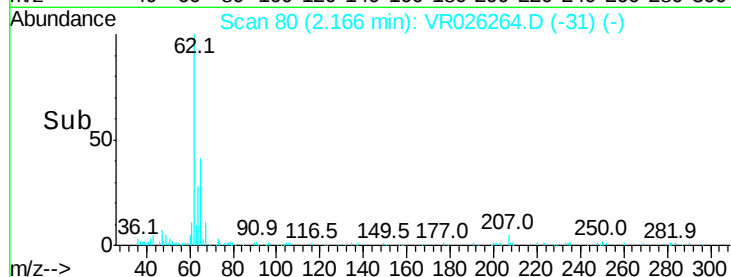
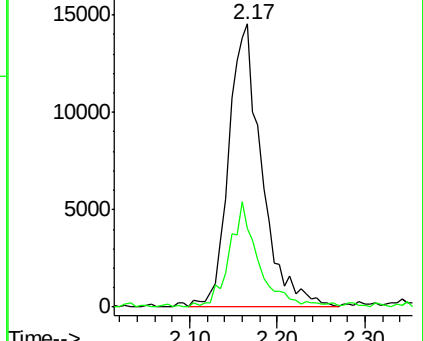
62 100

64 27.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 0.540 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026264.D

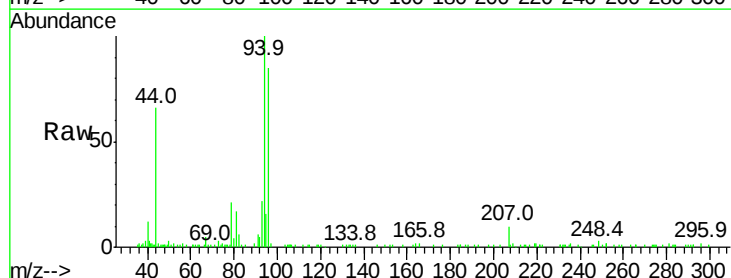
Acq: 17 Dec 2018 14:31

Tgt Ion: 94 Resp: 25251

Ion Ratio Lower Upper

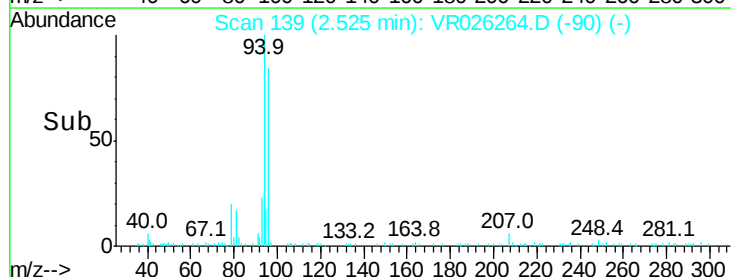
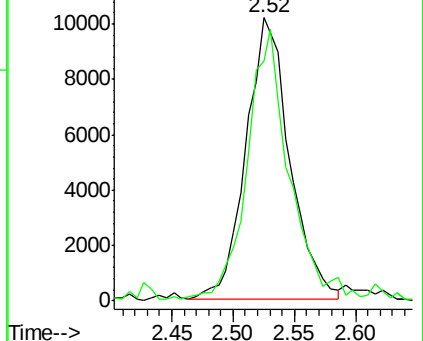
94 100

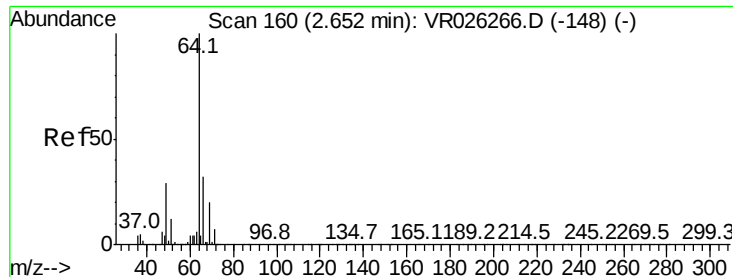
96 84.6 67.1 124.5



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 0.535 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

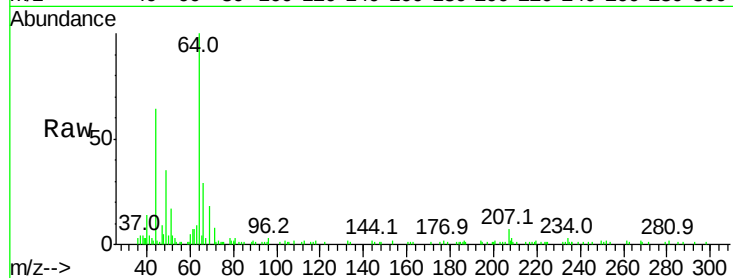
VSTD0.581

Tgt Ion: 64 Resp: 23425

Ion Ratio Lower Upper

64 100

66 29.0 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

10000

8000

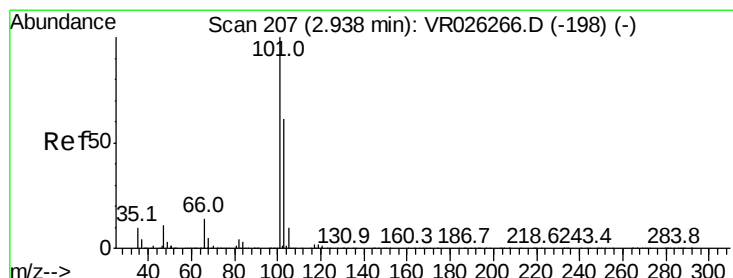
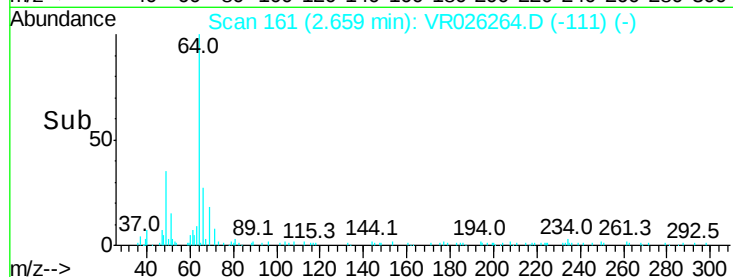
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.275 ug/L

RT: 2.94 min Scan# 208

Delta R.T. 0.01 min

Lab File: VR026264.D

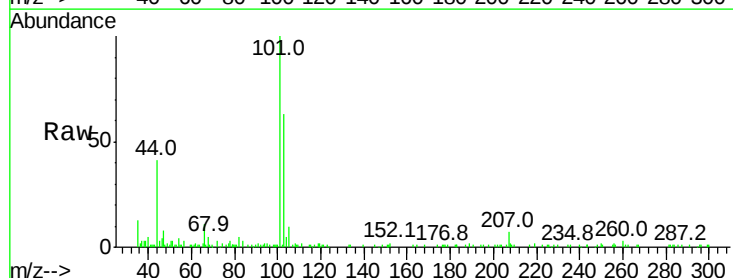
Acq: 17 Dec 2018 14:31

Tgt Ion: 101 Resp: 31053

Ion Ratio Lower Upper

101 100

103 65.1 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

12000

10000

8000

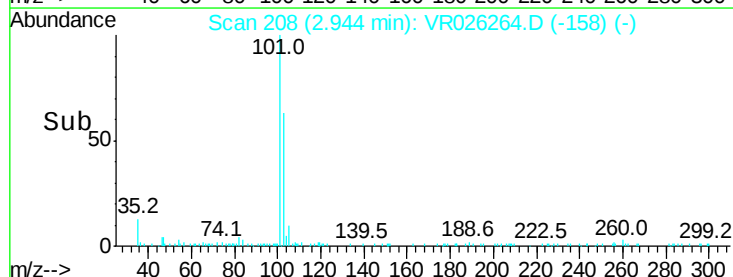
6000

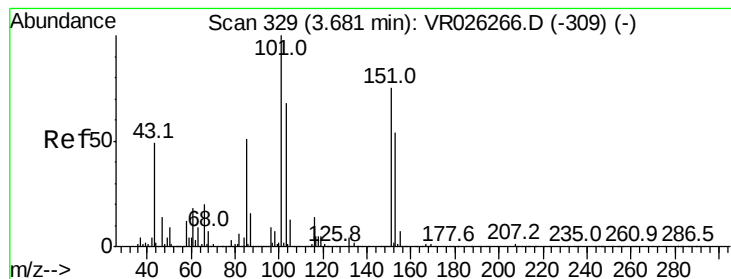
4000

2000

0

Time-->





#10

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

Concen: 0.500 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

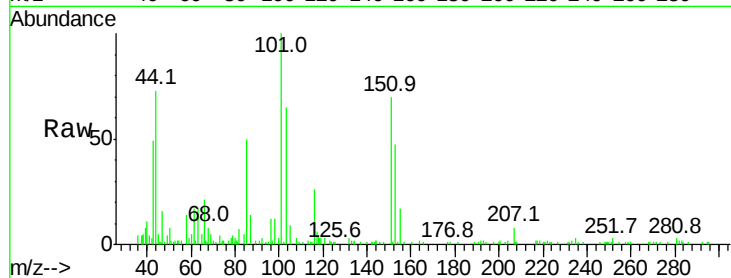
Tgt Ion:101 Resp: 30853

Ion Ratio Lower Upper

101 100

85 46.1 38.2 57.2

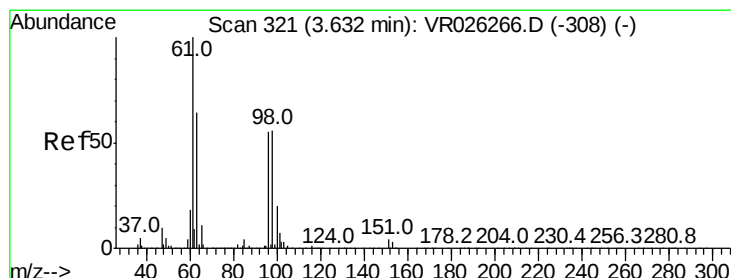
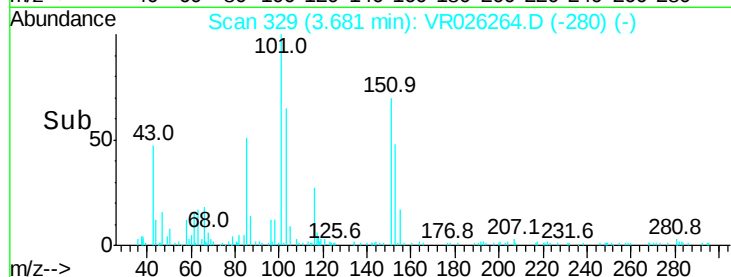
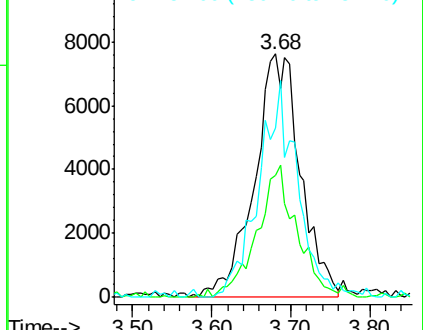
151 75.4 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.477 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

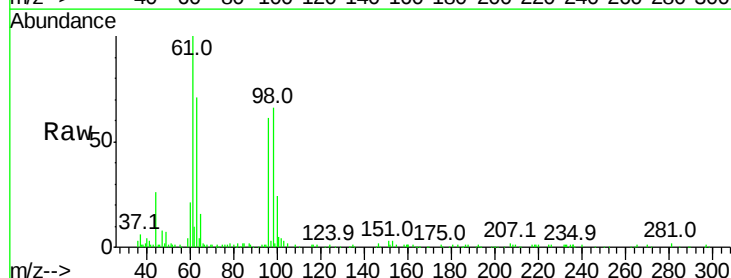
Tgt Ion: 96 Resp: 31837

Ion Ratio Lower Upper

96 100

61 164.6 127.1 236.0

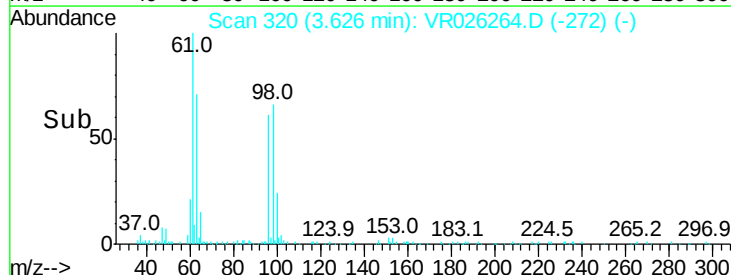
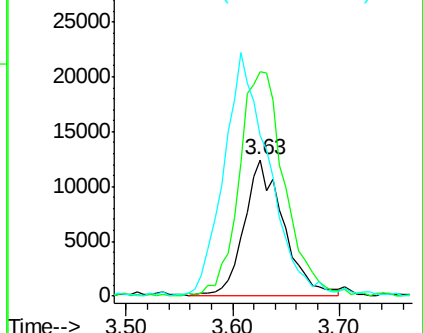
63 117.0 81.5 151.5

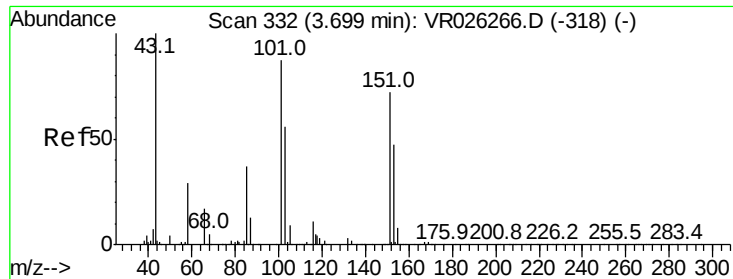


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 4.864 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

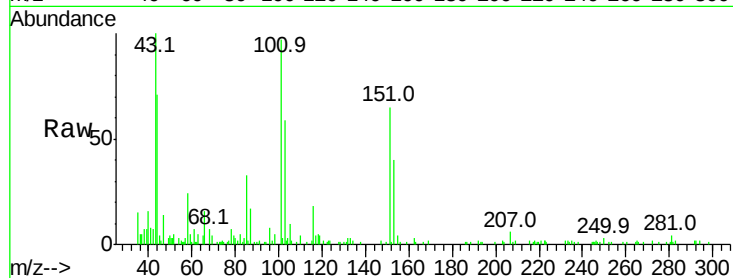
VSTD0.581

Tgt Ion: 43 Resp: 22440

Ion Ratio Lower Upper

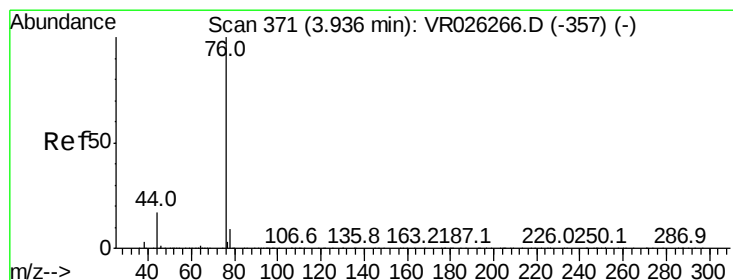
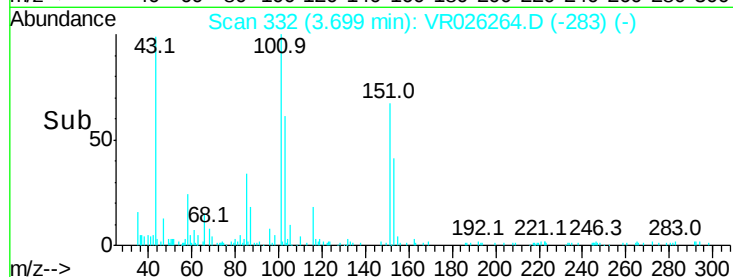
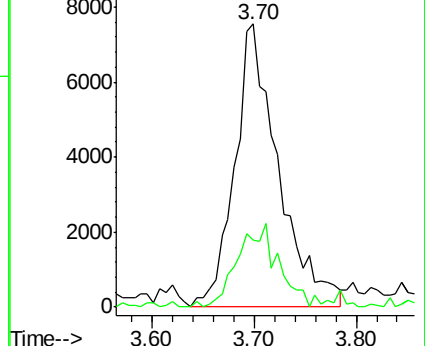
43 100

58 27.2 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.609 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.01 min

Lab File: VR026264.D

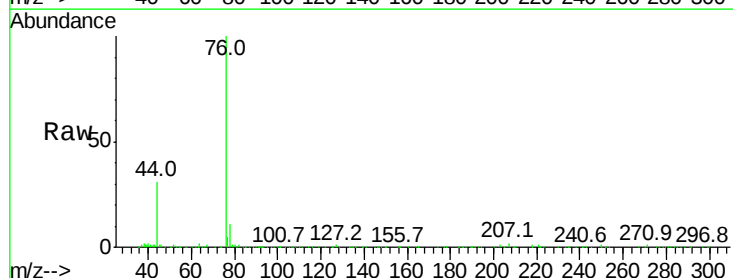
Acq: 17 Dec 2018 14:31

Tgt Ion: 76 Resp: 102444

Ion Ratio Lower Upper

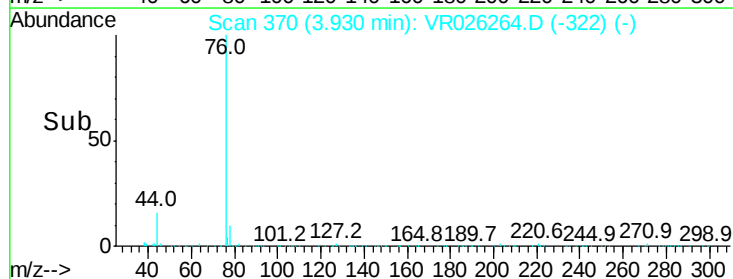
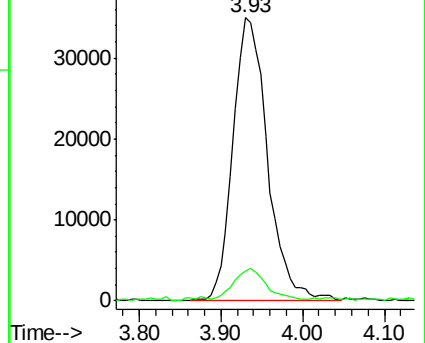
76 100

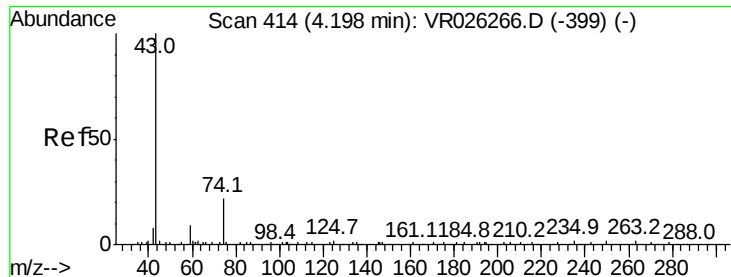
78 10.8 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

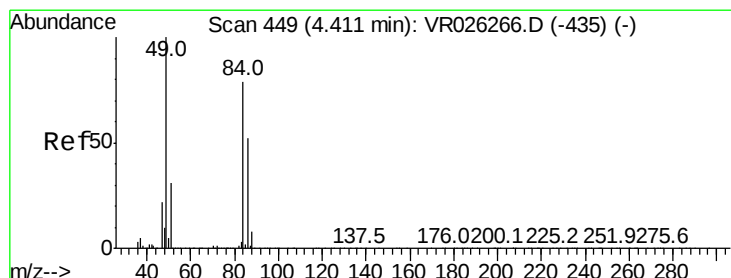
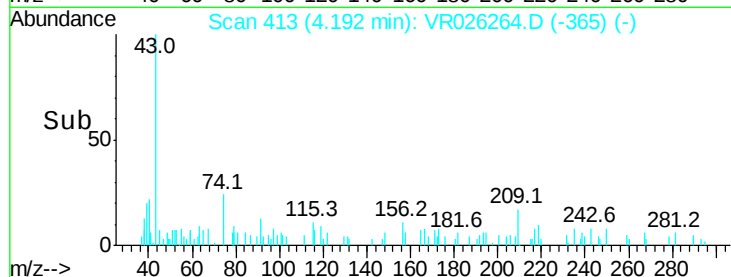
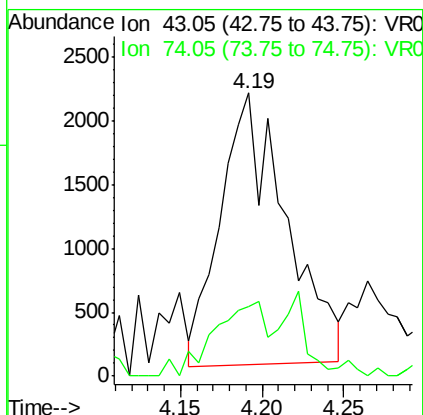
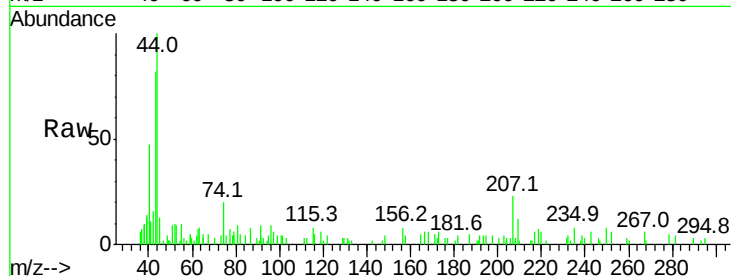




#15
Methyl Acetate
Concen: 0.475 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

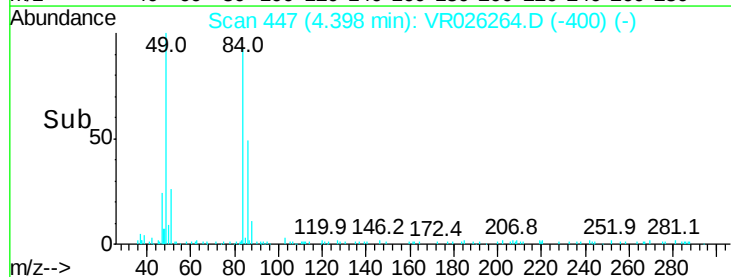
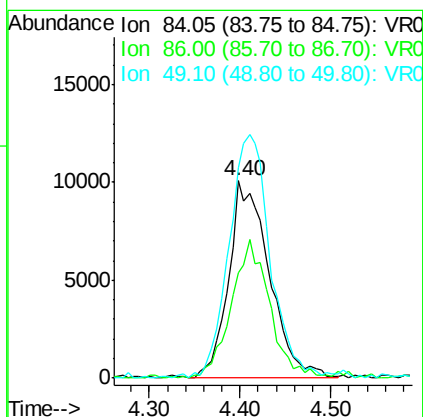
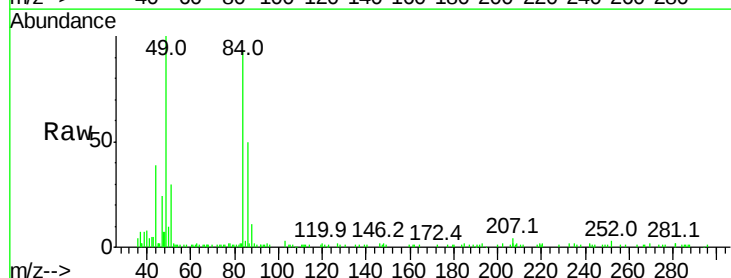
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

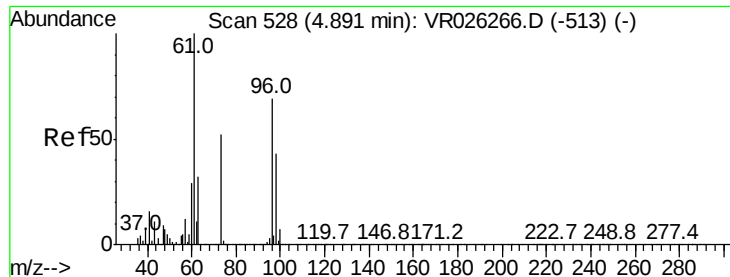
Tgt Ion: 43 Resp: 5924
Ion Ratio Lower Upper
43 100
74 21.9 18.4 27.6



#16
Methylene chloride
Concen: 0.514 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

Tgt Ion: 84 Resp: 31257
Ion Ratio Lower Upper
84 100
86 53.4 45.8 85.0
49 107.0 88.7 164.7

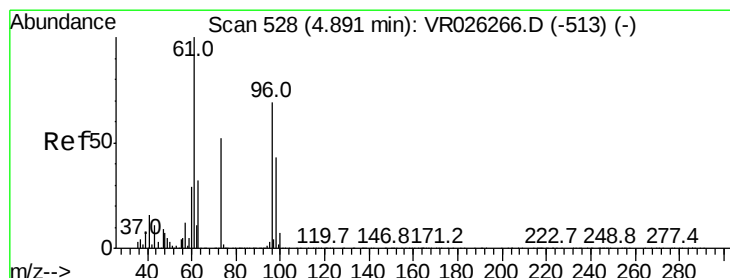
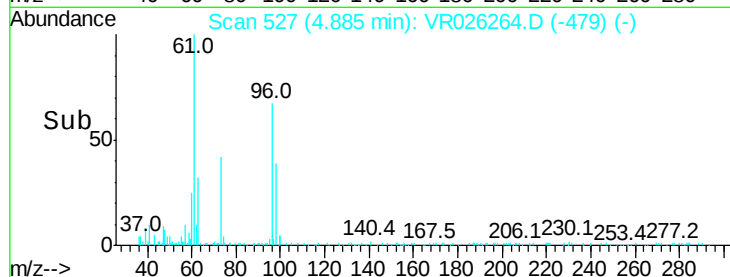
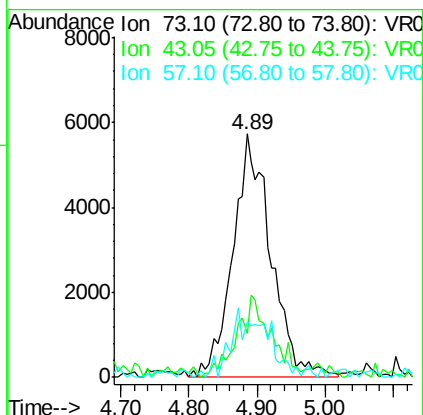
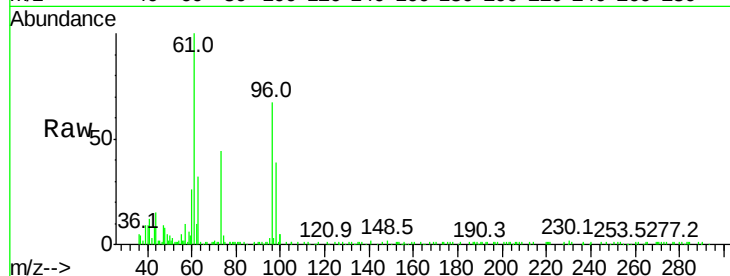




#17
Methyl tert-butyl Ether
Concen: 0.334 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

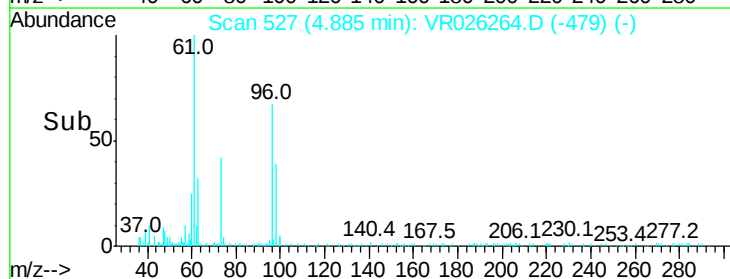
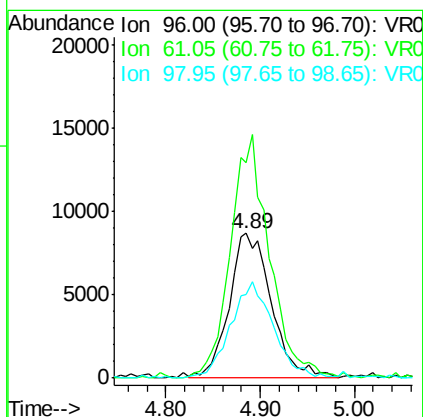
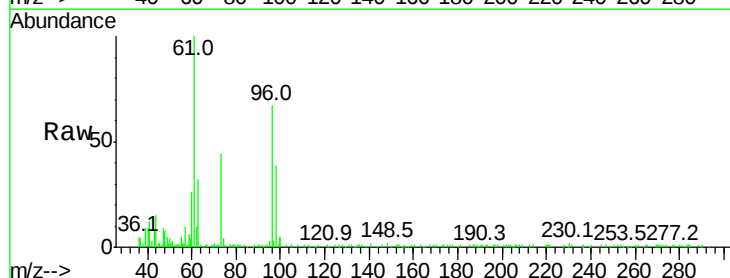
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

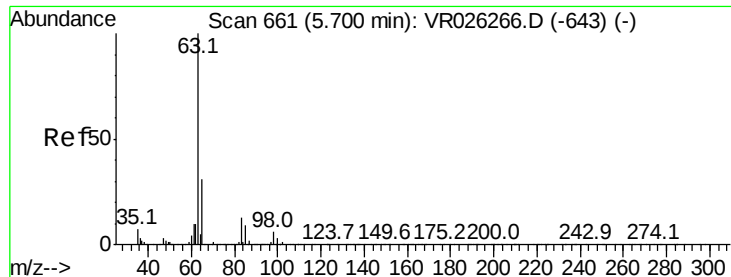
Tgt Ion: 73 Resp: 22089
Ion Ratio Lower Upper
73 100
43 30.6 18.7 28.1#
57 8.9 18.2 27.2#



#18
trans-1,2-Dichloroethene
Concen: 0.479 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

Tgt Ion: 96 Resp: 27023
Ion Ratio Lower Upper
96 100
61 149.2 101.4 188.4
98 57.8 43.3 80.5





#19

1,1-Dichloroethane

Concen: 0.511 ug/L

RT: 5.70 min Scan# 661

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

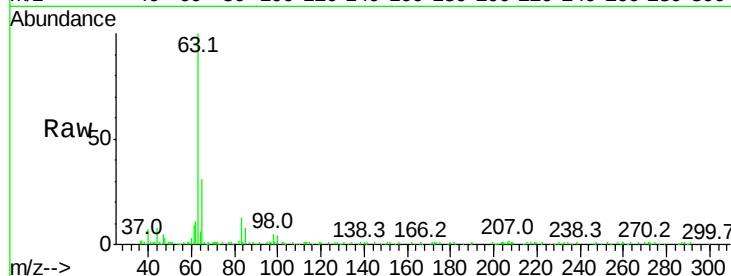
Tgt Ion: 63 Resp: 52555

Ion Ratio Lower Upper

63 100

65 30.6 21.6 40.0

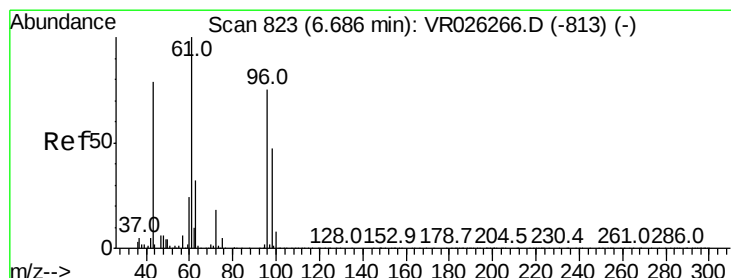
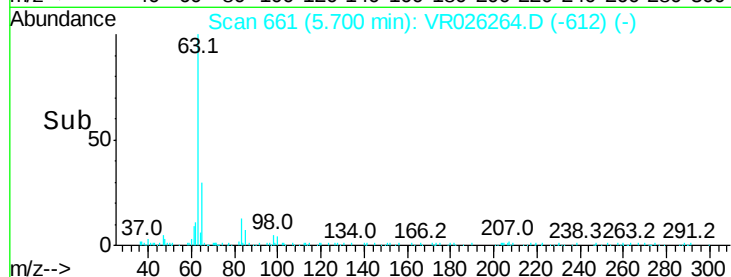
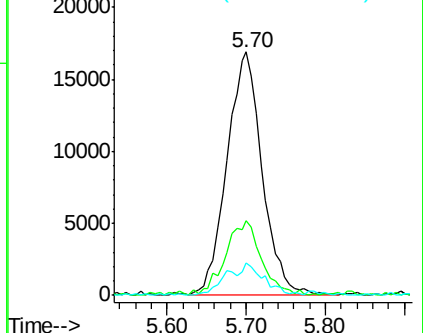
83 13.1 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 3.166 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026264.D

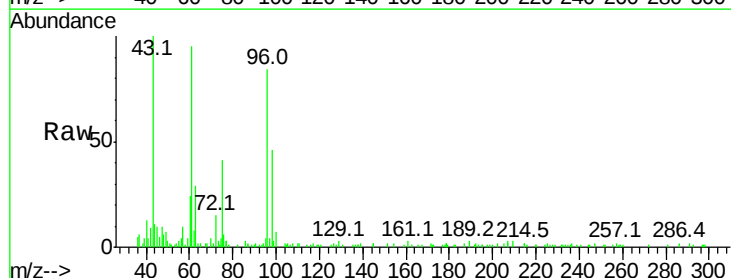
Acq: 17 Dec 2018 14:31

Tgt Ion: 43 Resp: 18634

Ion Ratio Lower Upper

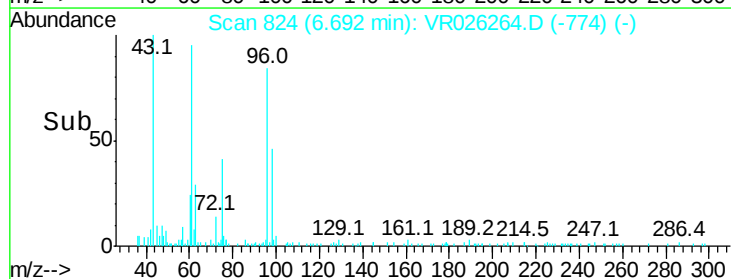
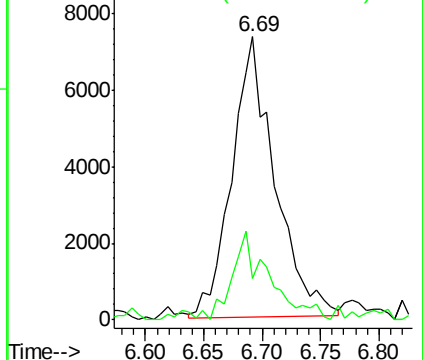
43 100

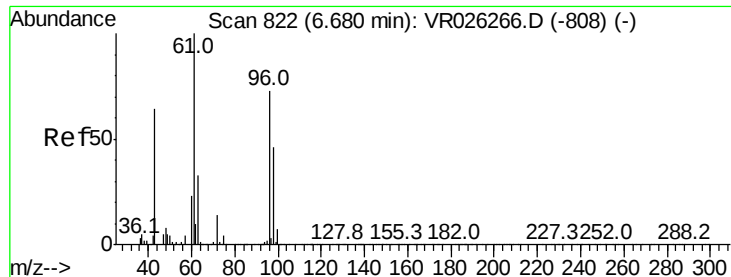
72 27.2 11.9 35.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



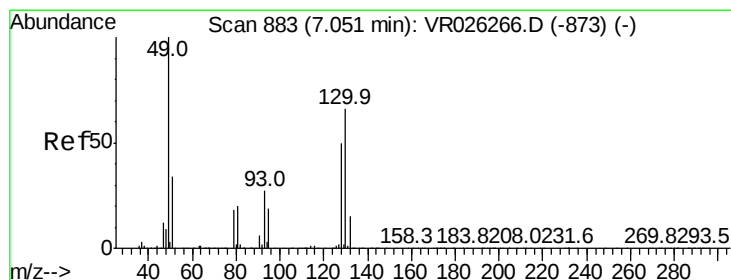
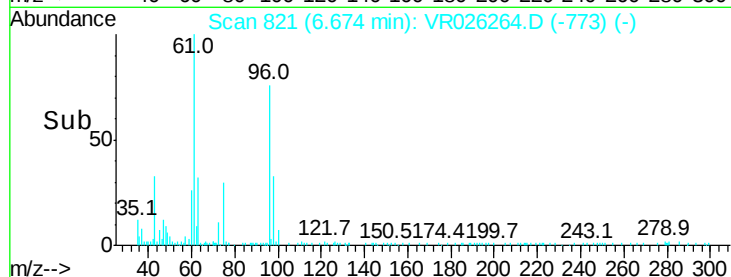
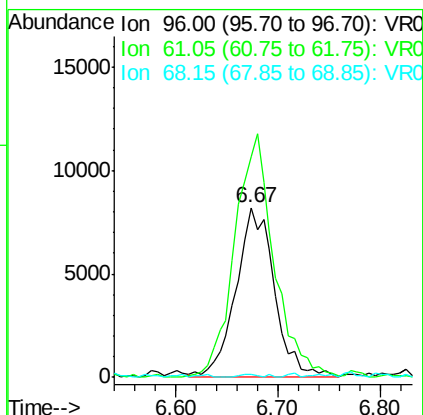
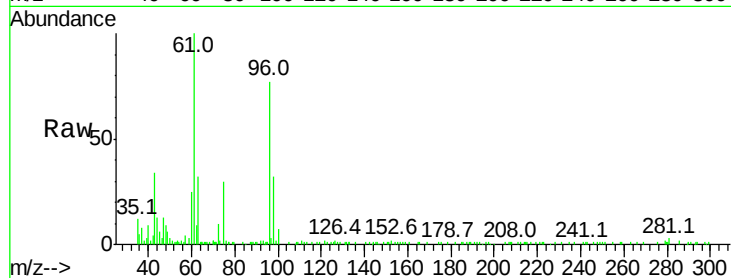


#22

cis-1,2-Dichloroethene
 Concen: 0.427 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026264.D
 Acq: 17 Dec 2018 14:31

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

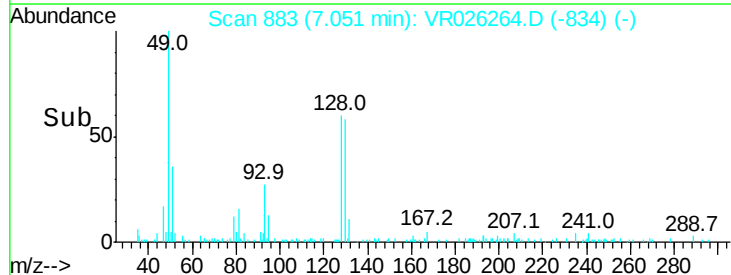
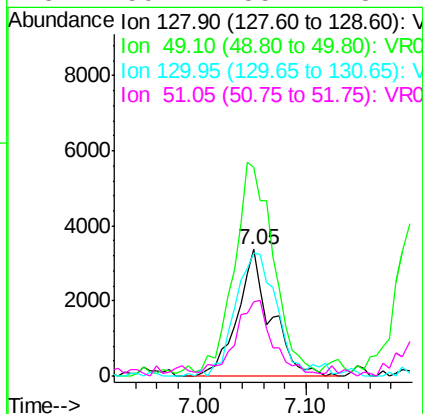
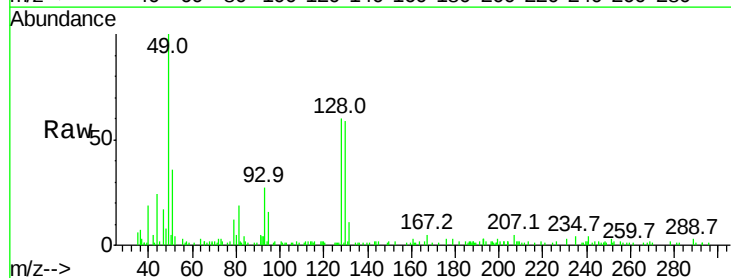
Tgt Ion: 96 Resp: 21541
 Ion Ratio Lower Upper
 96 100
 61 130.3 96.3 178.9
 68 1.4 0.0 0.0#

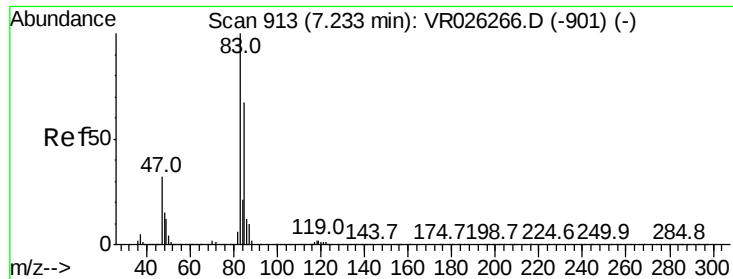


#23

Bromochloromethane
 Concen: 0.473 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VR026264.D
 Acq: 17 Dec 2018 14:31

Tgt Ion: 128 Resp: 7423
 Ion Ratio Lower Upper
 128 100
 49 165.5 140.9 261.7
 130 97.1 92.6 172.0
 51 59.1 55.1 82.7





#25

Chloroform

Concen: 0.431 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

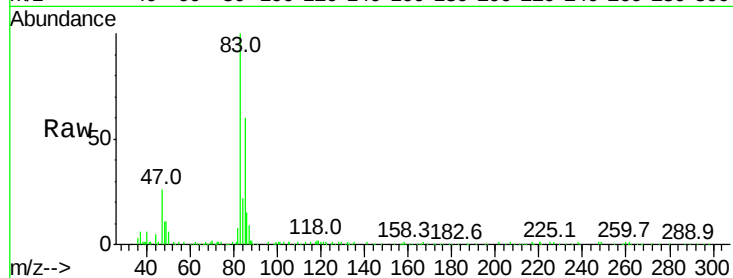
VSTD0.581

Tgt Ion: 83 Resp: 48920

Ion Ratio Lower Upper

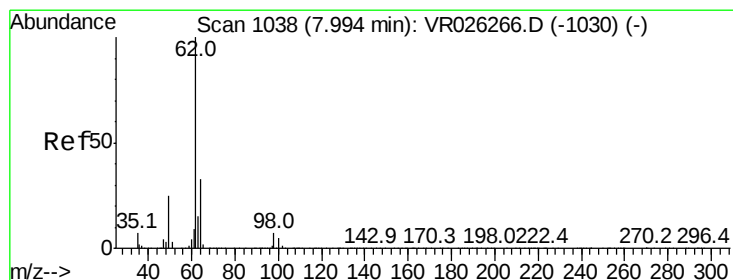
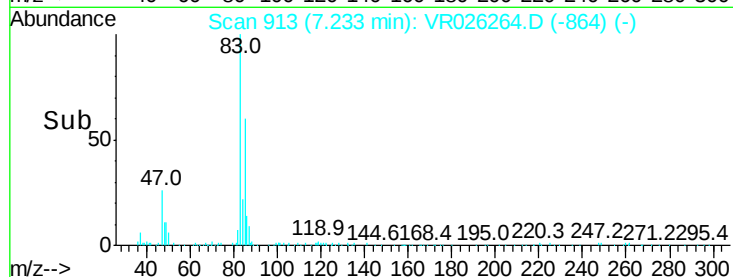
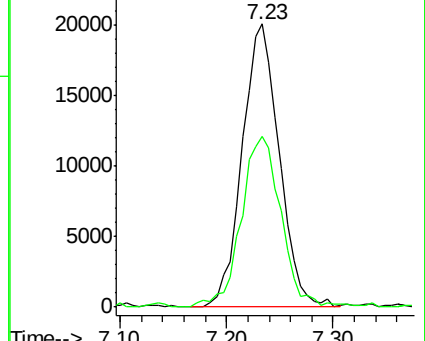
83 100

85 60.4 47.0 87.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 0.431 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026264.D

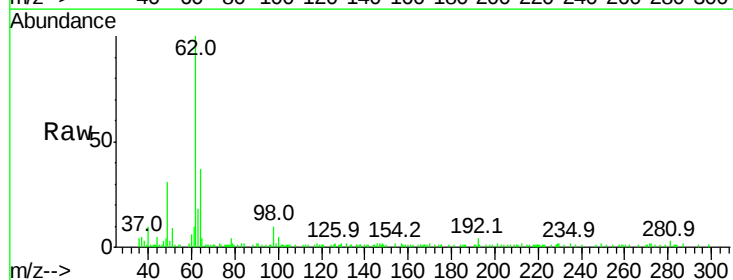
Acq: 17 Dec 2018 14:31

Tgt Ion: 62 Resp: 20099

Ion Ratio Lower Upper

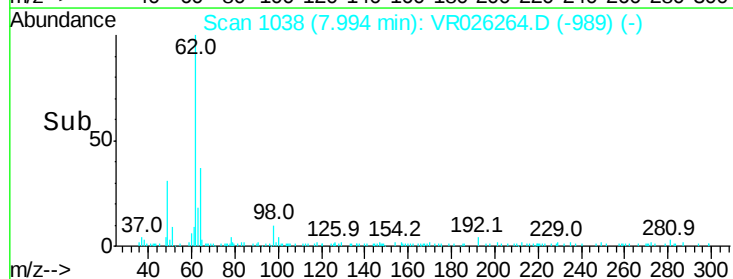
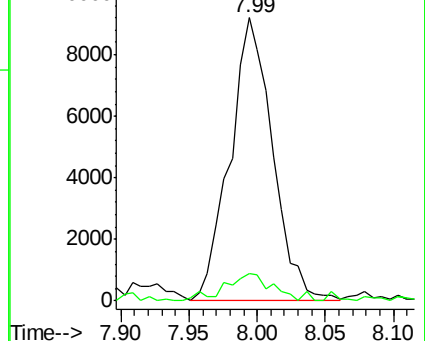
62 100

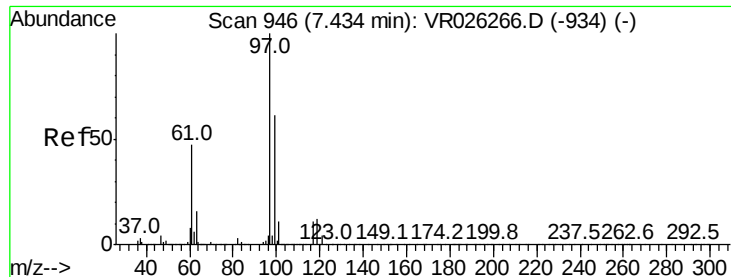
98 9.6 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#29

1,1,1-Trichloroethane

Concen: 0.578 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

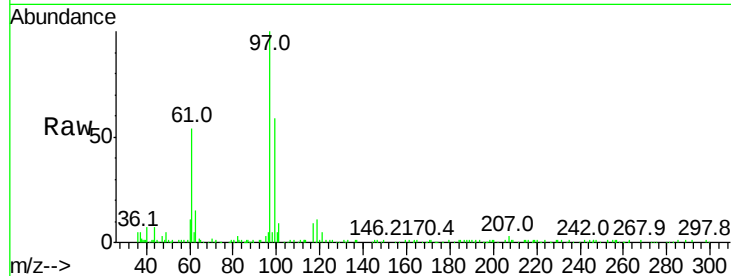
Tgt Ion: 97 Resp: 45407

Ion Ratio Lower Upper

97 100

99 63.1 50.2 75.4

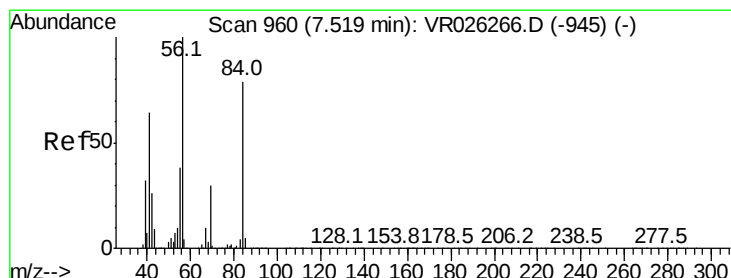
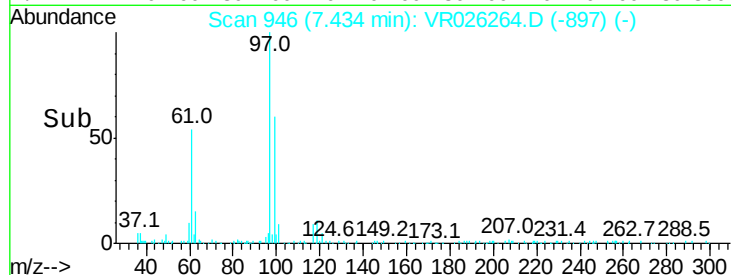
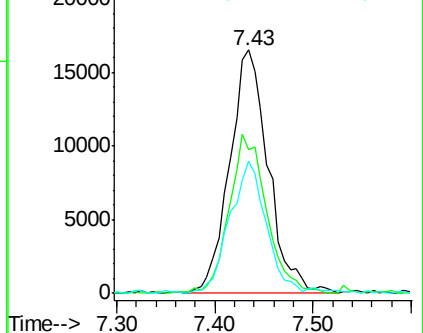
61 50.9 38.0 57.0



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.438 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

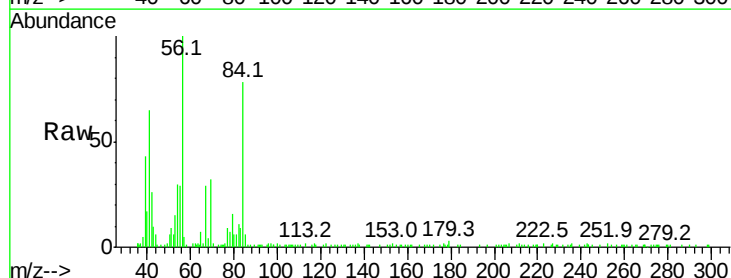
Tgt Ion: 56 Resp: 29555

Ion Ratio Lower Upper

56 100

69 31.8 24.0 36.0

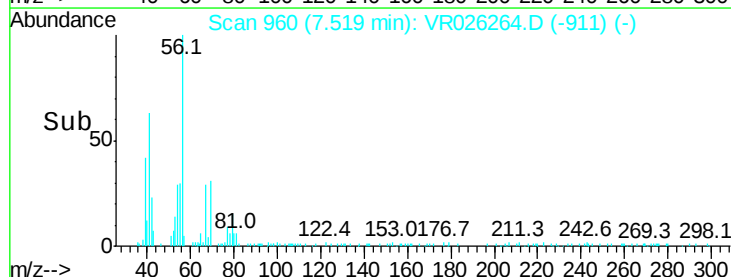
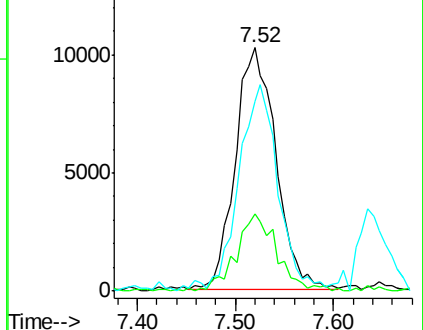
84 83.0 64.5 96.7

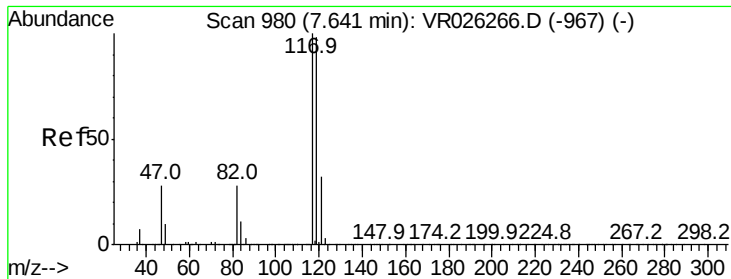


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0



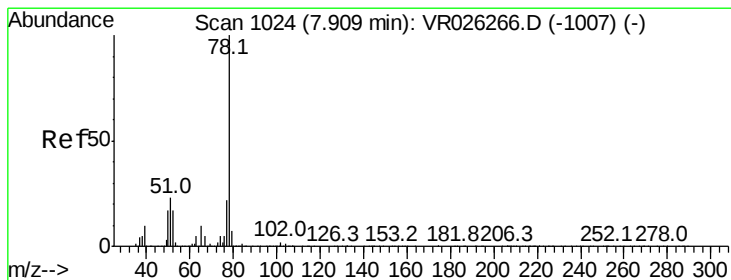
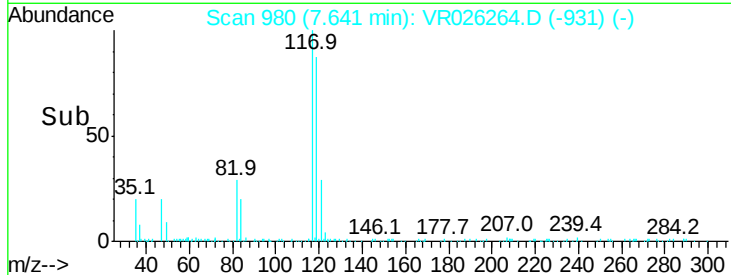
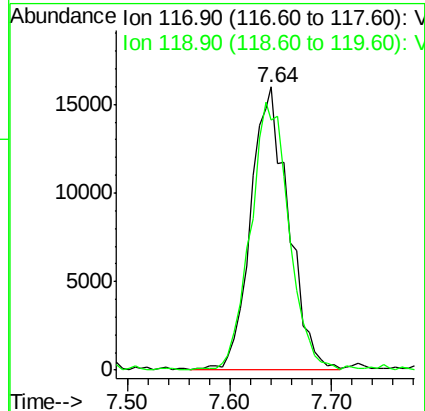
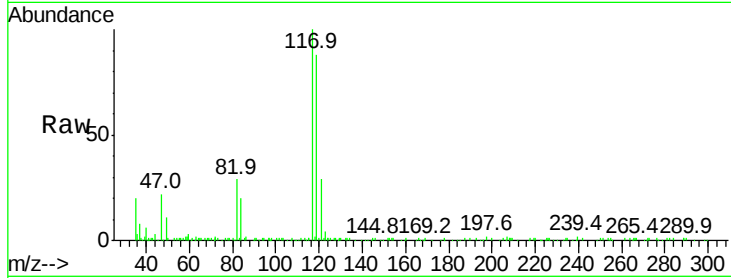


#31

Carbon tetrachloride
Concen: 0.577 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.00 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

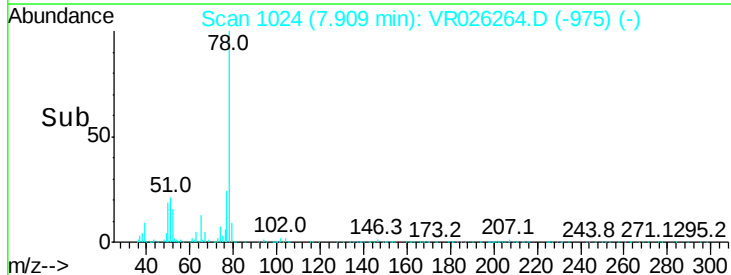
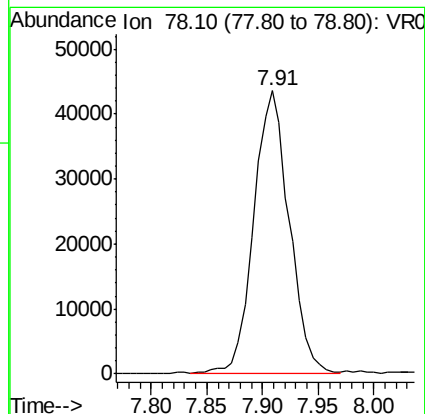
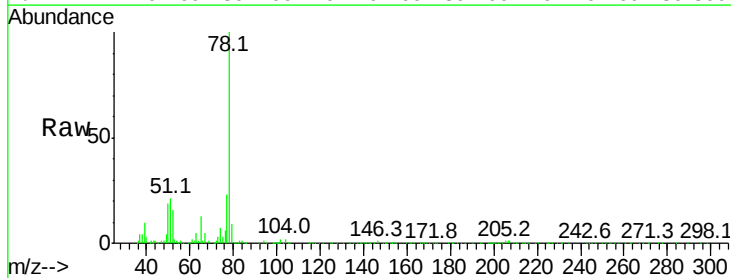
Tgt Ion:117 Resp: 40666
Ion Ratio Lower Upper
117 100
119 97.6 76.9 115.3

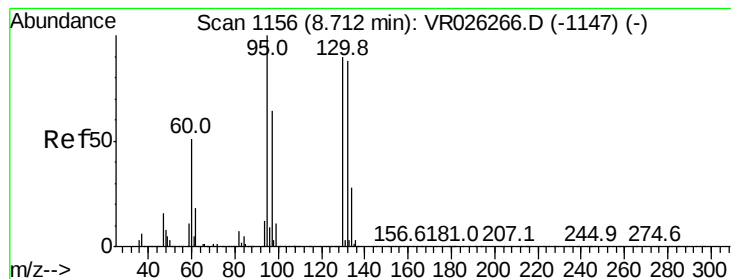


#33

Benzene
Concen: 0.468 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

Tgt Ion: 78 Resp: 96317





#34

Trichloroethene

Concen: 0.499 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion: 95 Resp: 26685

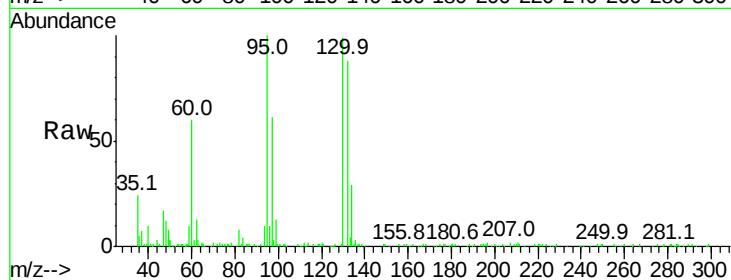
Ion Ratio Lower Upper

95 100

97 61.2 44.8 83.2

132 87.9 61.7 114.5

130 98.7 63.3 117.5

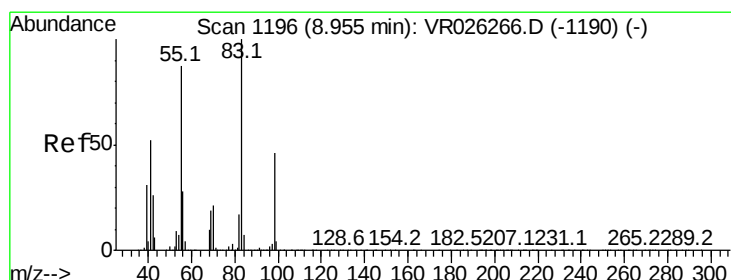
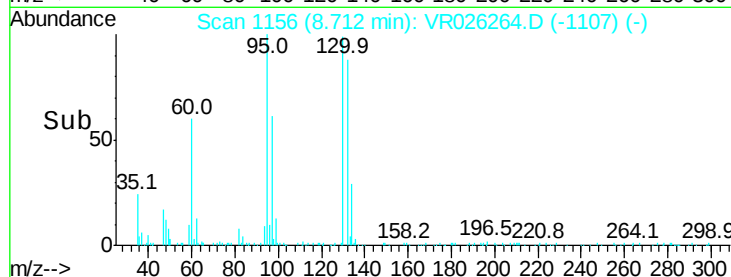
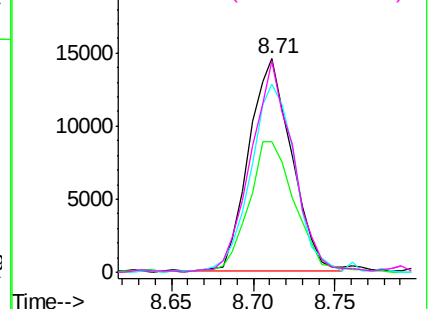


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.432 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

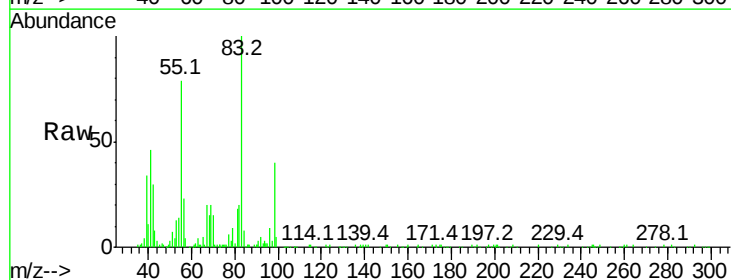
Tgt Ion: 83 Resp: 31222

Ion Ratio Lower Upper

83 100

55 90.4 66.6 99.8

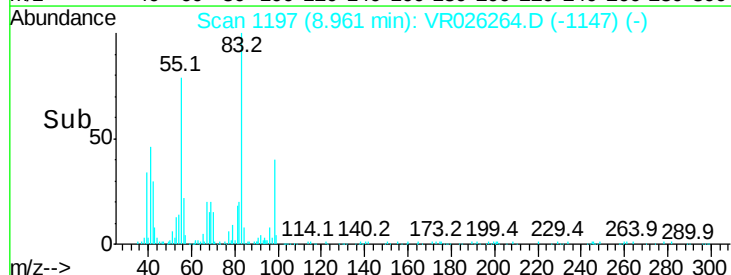
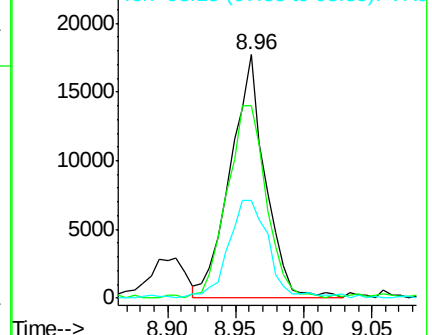
98 46.9 35.5 53.3

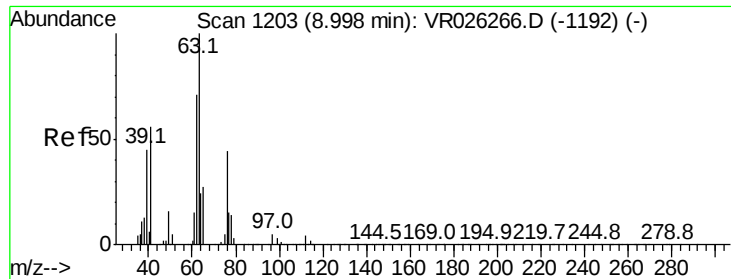


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.499 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

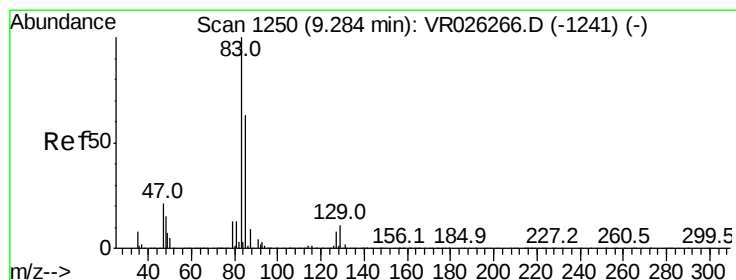
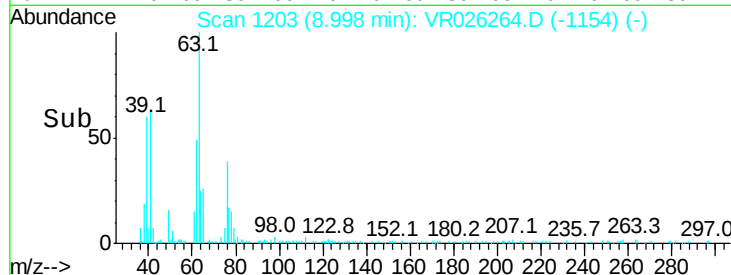
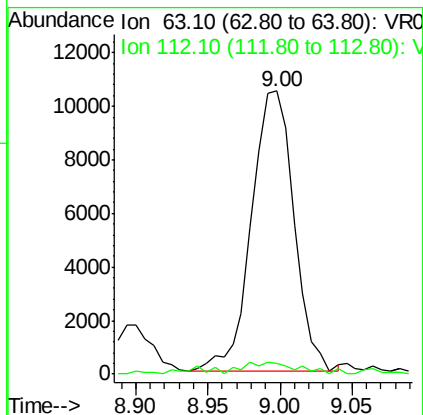
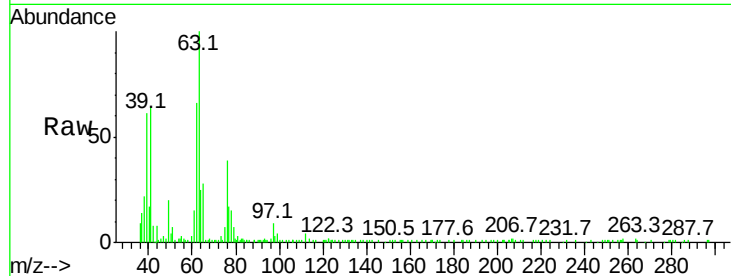
VSTD0.581

Tgt Ion: 63 Resp: 21453

Ion Ratio Lower Upper

63 100

112 5.7 3.0 4.6#



#38

Bromodichloromethane

Concen: 0.482 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

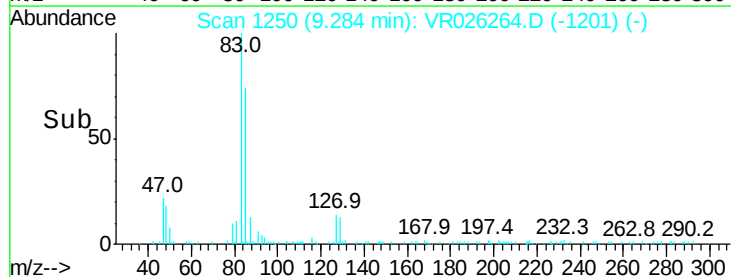
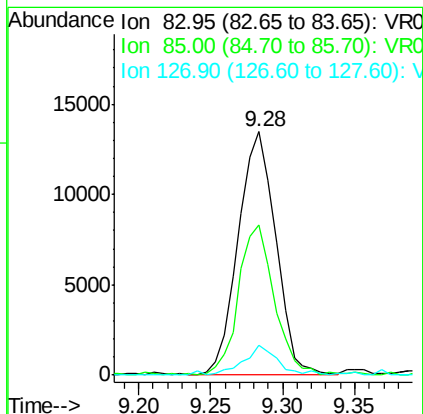
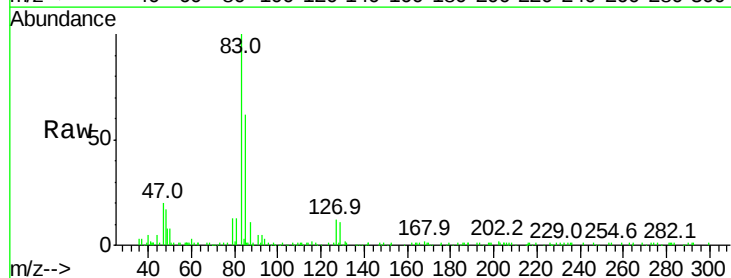
Tgt Ion: 83 Resp: 24476

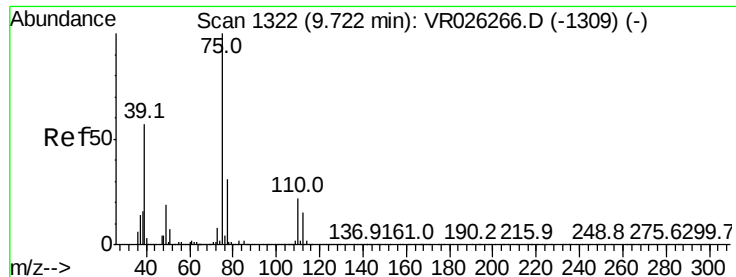
Ion Ratio Lower Upper

83 100

85 61.6 44.0 81.6

127 12.3 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 0.369 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

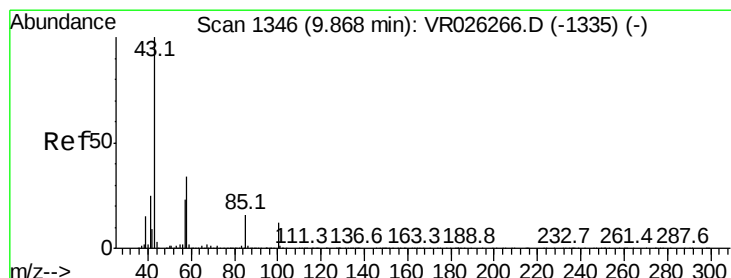
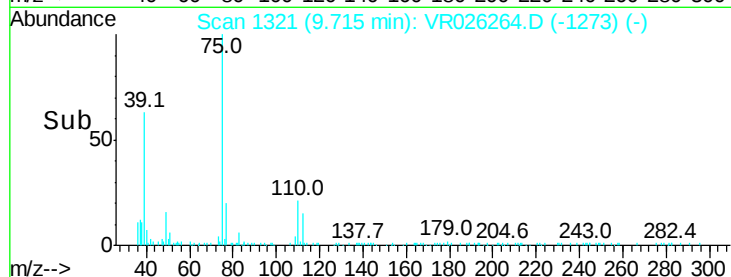
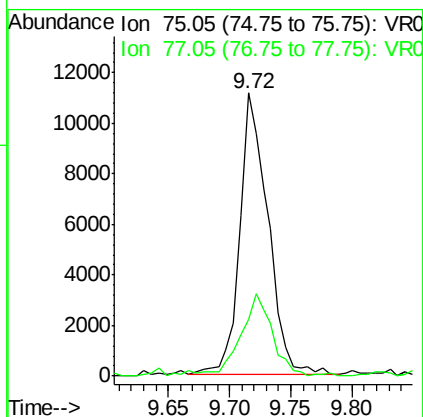
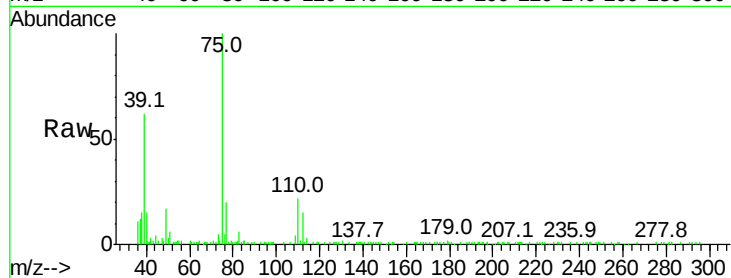
VSTD0.581

Tgt Ion: 75 Resp: 17834

Ion Ratio Lower Upper

75 100

77 20.3 21.9 40.7#



#40

4-Methyl-2-pentanone

Concen: 2.993 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

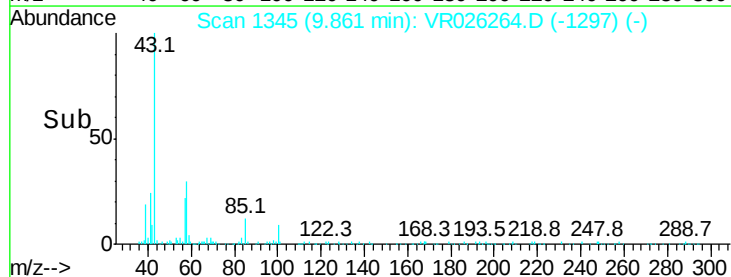
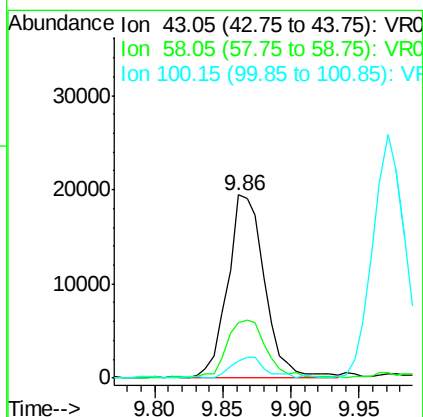
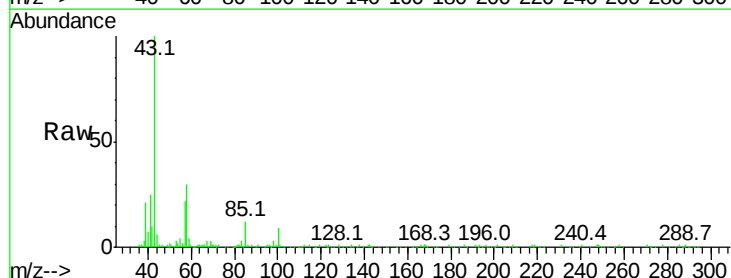
Tgt Ion: 43 Resp: 36827

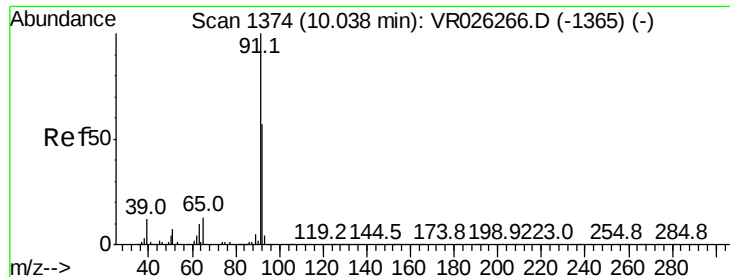
Ion Ratio Lower Upper

43 100

58 34.8 28.0 42.0

100 10.6 9.8 14.6





#42

Toluene

Concen: 0.410 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

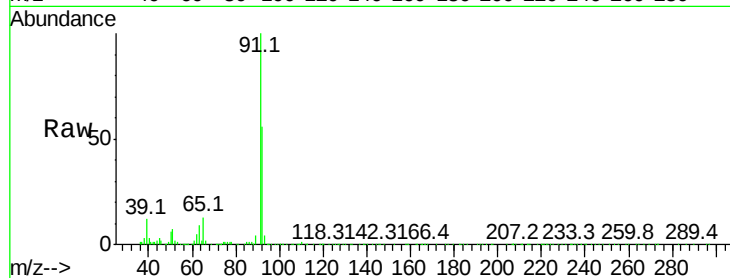
VSTD0.581

Tgt Ion: 91 Resp: 91552

Ion Ratio Lower Upper

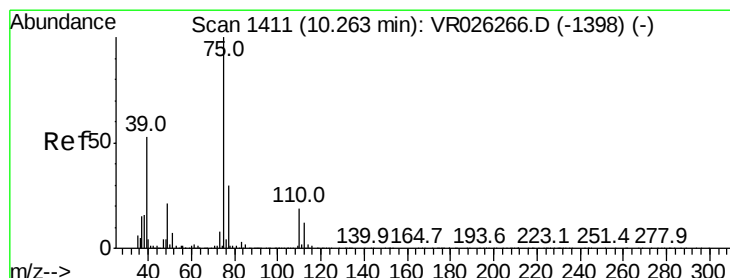
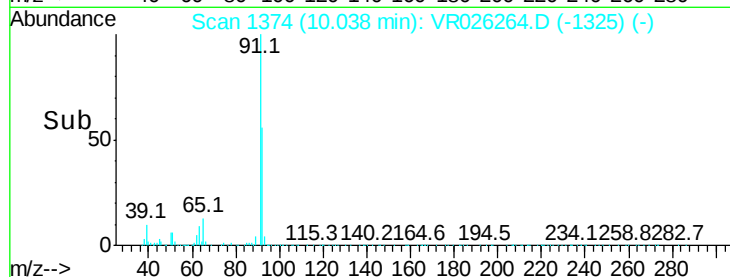
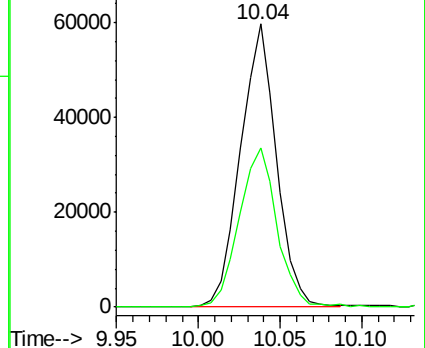
91 100

92 56.1 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 0.399 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026264.D

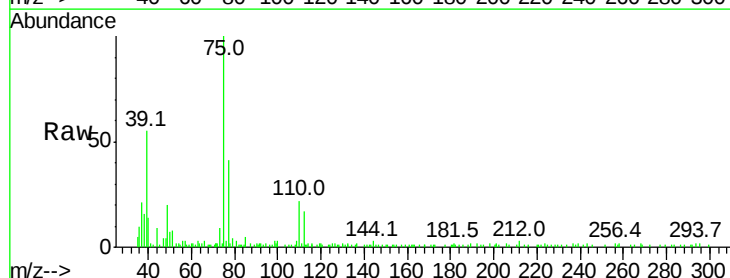
Acq: 17 Dec 2018 14:31

Tgt Ion: 75 Resp: 13075

Ion Ratio Lower Upper

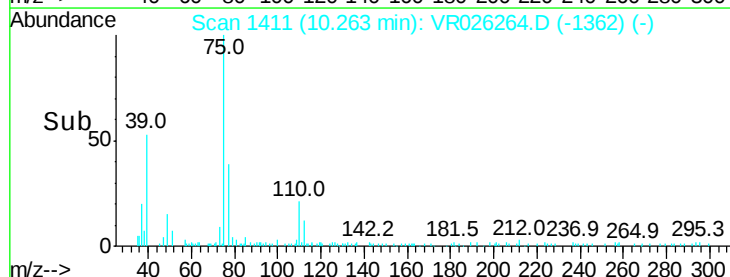
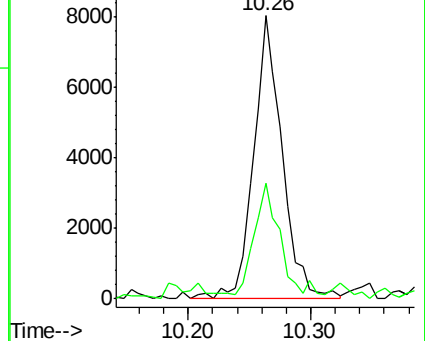
75 100

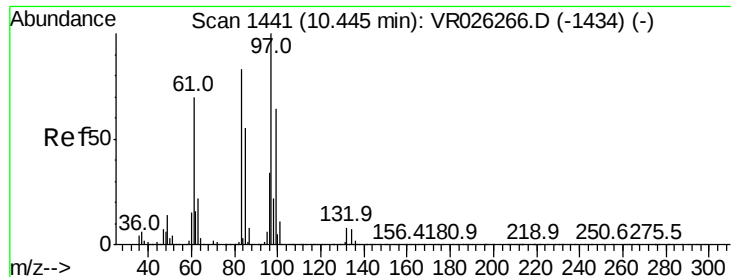
77 40.9 21.2 39.4#



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0





#45

1,1,2-Trichloroethane

Concen: 0.448 ug/L

RT: 10.45 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion: 97 Resp: 8571

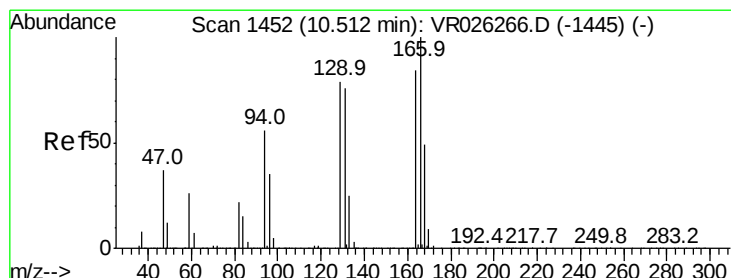
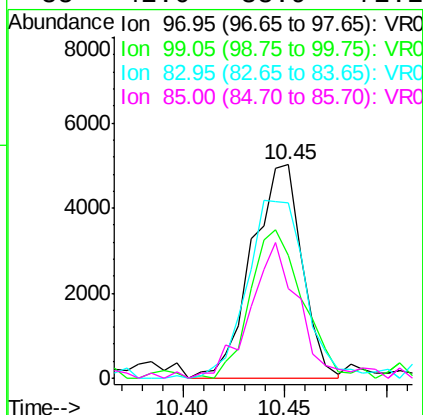
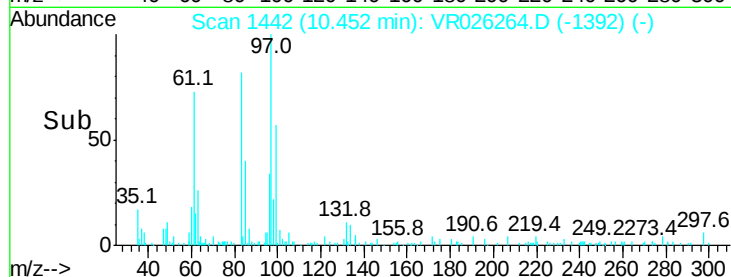
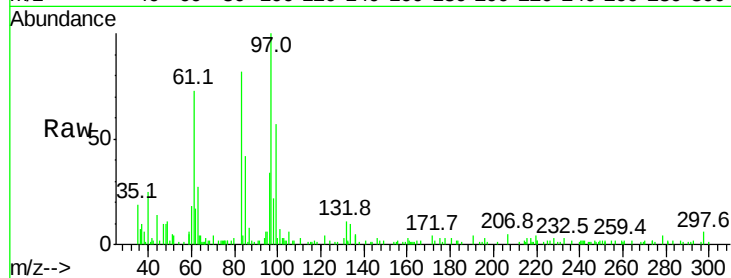
Ion Ratio Lower Upper

97 100

99 57.5 45.0 83.6

83 81.9 57.9 107.5

85 42.0 38.9 72.2



#47

Tetrachloroethene

Concen: 0.518 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Tgt Ion: 164 Resp: 19952

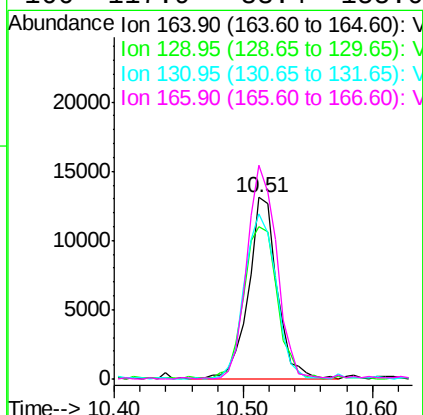
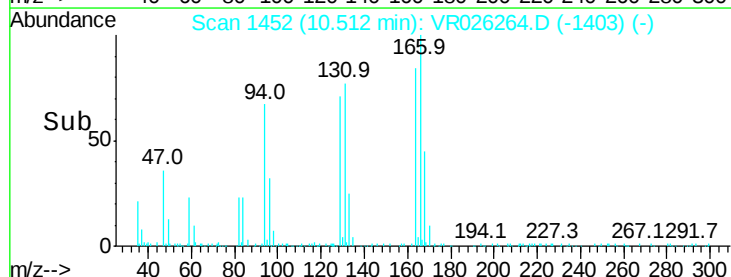
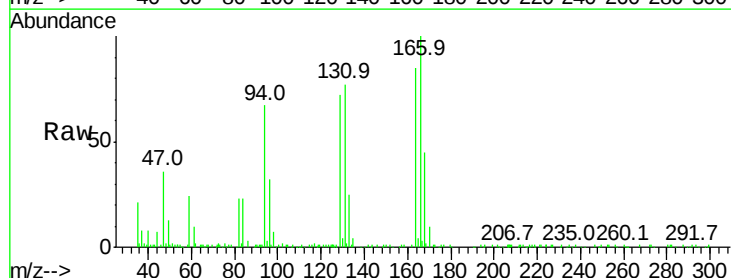
Ion Ratio Lower Upper

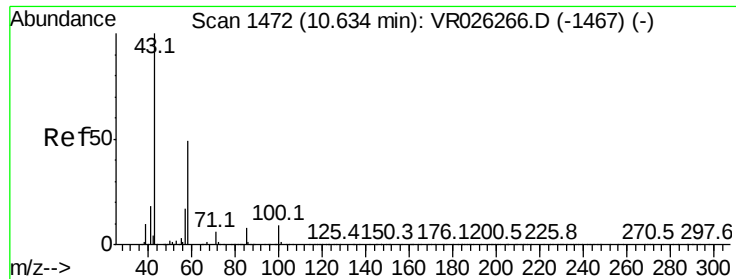
164 100

129 84.4 65.7 122.1

131 91.0 63.7 118.3

166 117.9 83.4 155.0

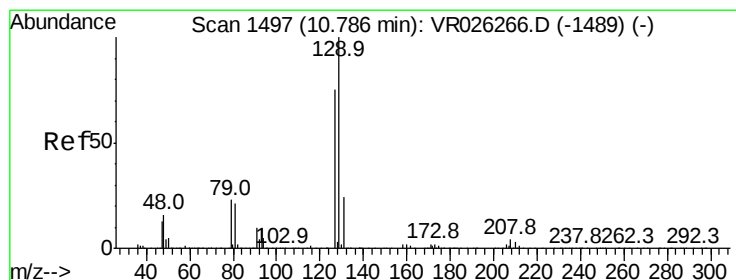
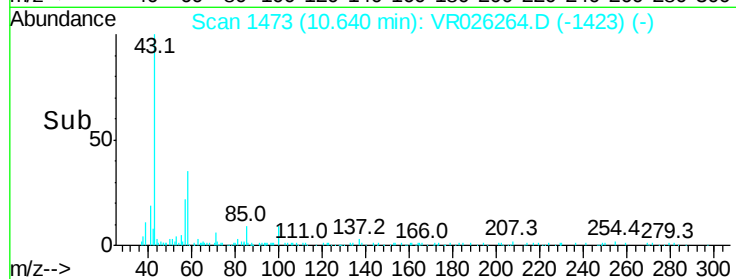
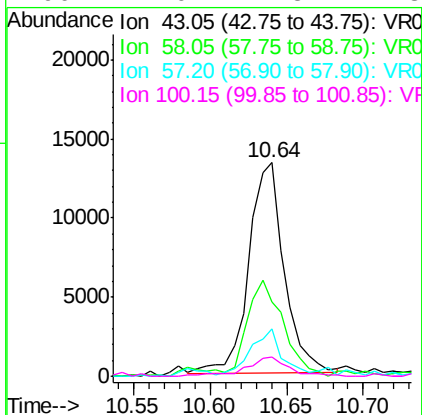
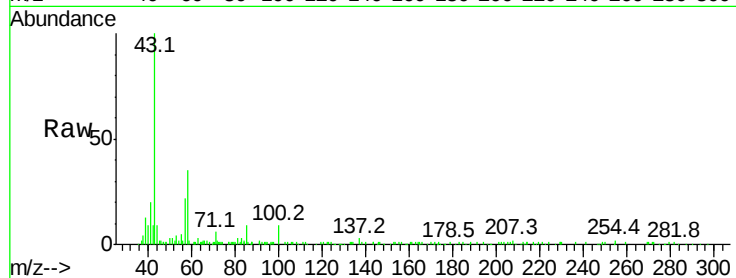




#48
2-Hexanone
Concen: 2.611 ug/L
RT: 10.64 min Scan# 1473
Delta R.T. 0.01 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

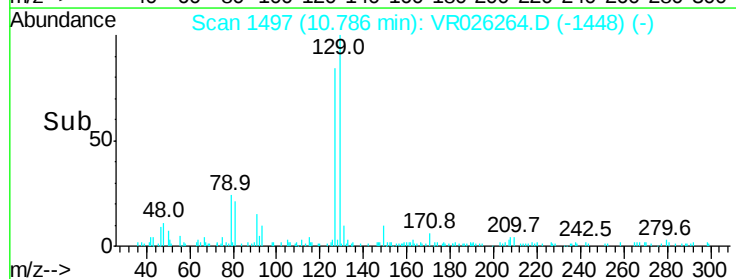
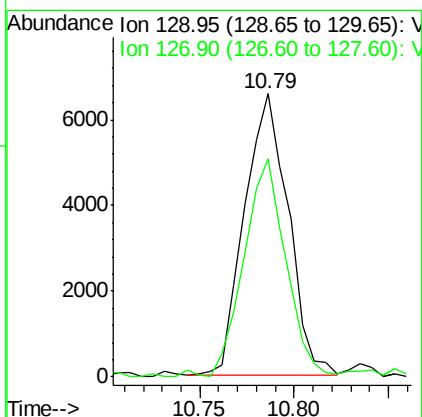
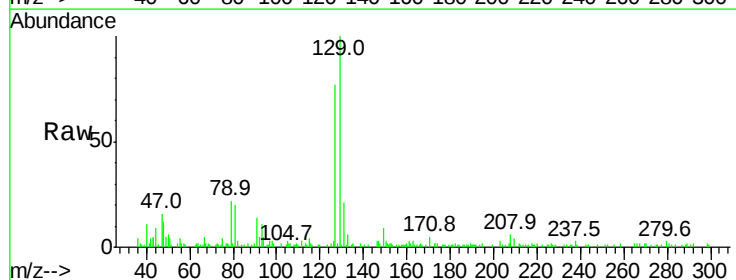
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

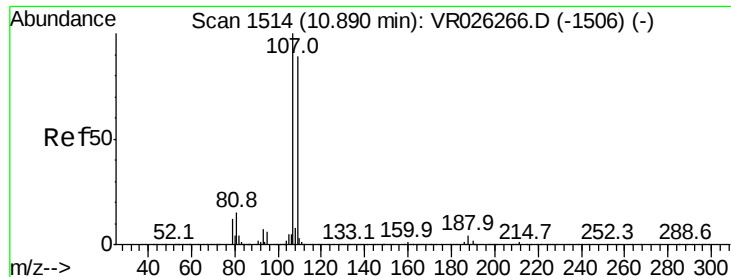
Tgt Ion:	43	Resp:	21503
Ion	Ratio	Lower	Upper
43	100		
58	45.9	40.5	60.7
57	18.0	14.2	21.4
100	11.0	7.5	11.3



#49
Dibromochloromethane
Concen: 0.456 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

Tgt Ion:	129	Resp:	10478
Ion	Ratio	Lower	Upper
129	100		
127	77.2	52.6	97.6

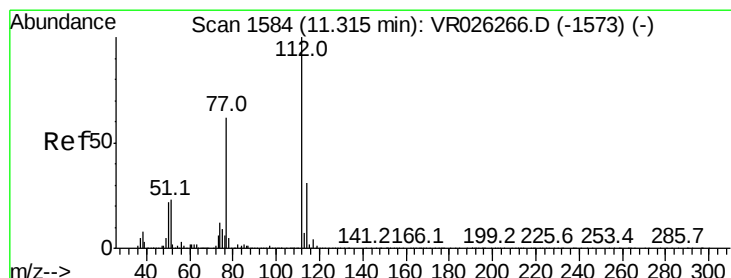
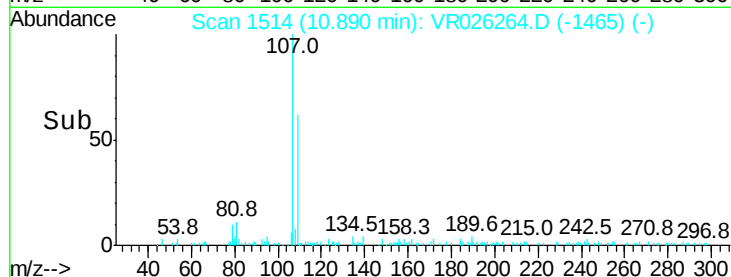
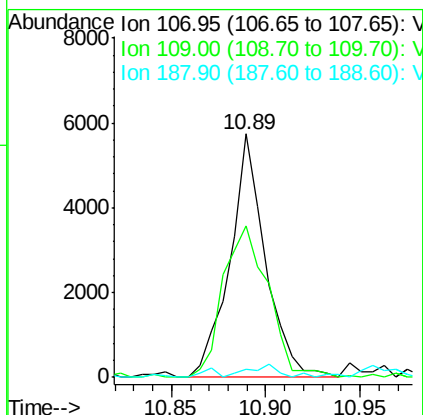
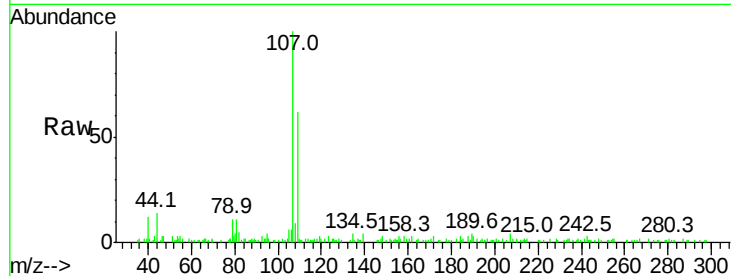




#50
1,2-Dibromoethane
Concen: 0.468 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

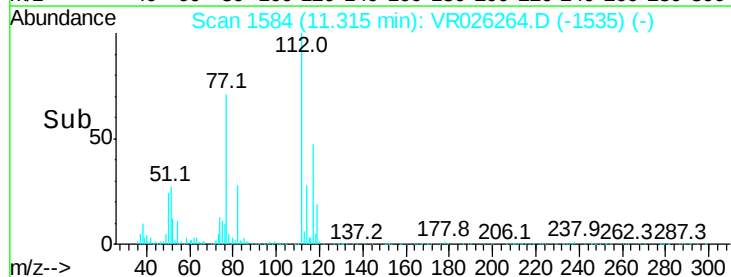
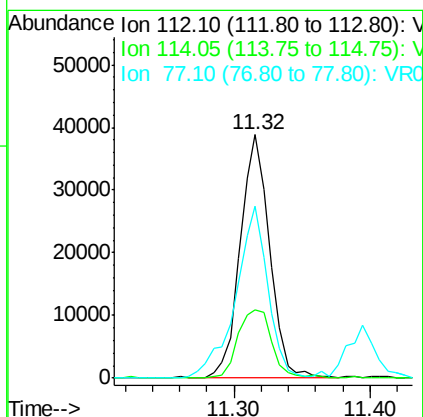
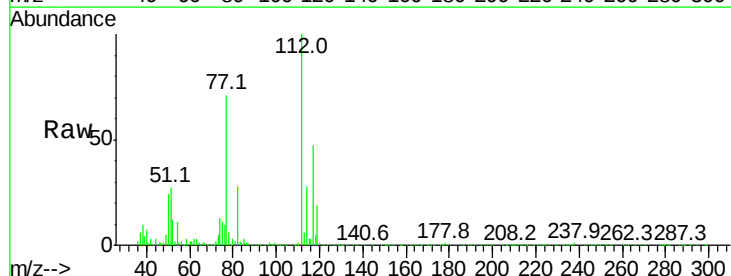
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

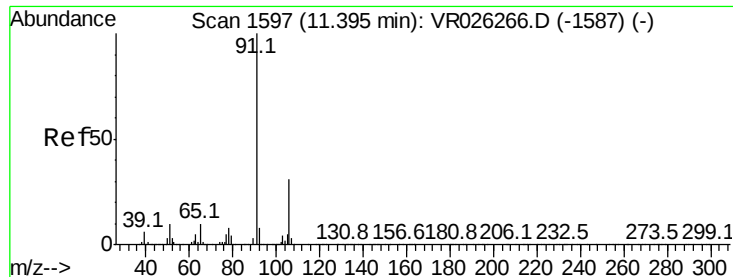
Tgt Ion:107 Resp: 7508
Ion Ratio Lower Upper
107 100
109 62.4 62.3 115.7
188 3.2 3.0 4.6



#51
Chlorobenzene
Concen: 0.473 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

Tgt Ion:112 Resp: 58724
Ion Ratio Lower Upper
112 100
114 27.9 21.7 40.3
77 70.6 49.4 74.2





#52

Ethylbenzene

Concen: 0.416 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

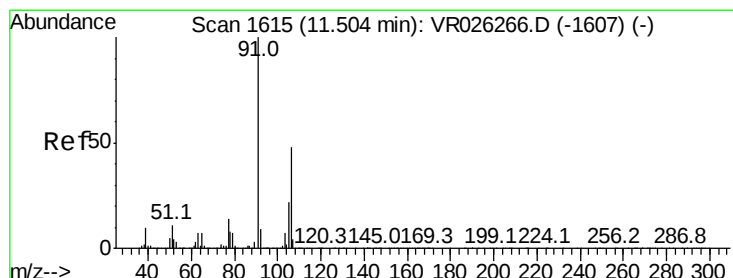
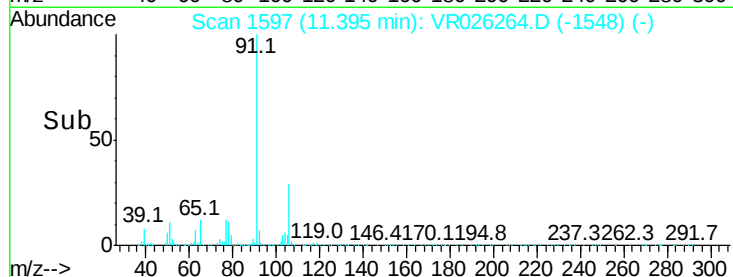
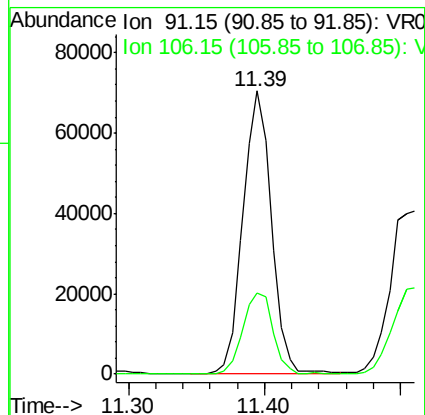
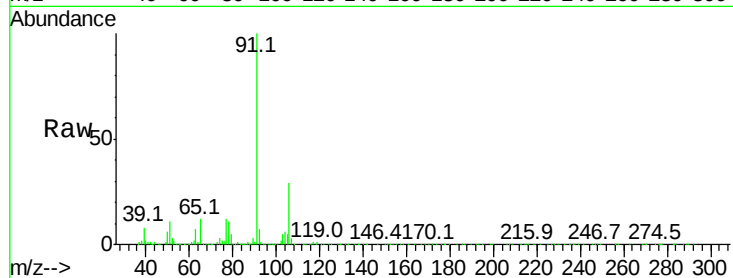
VSTD0.581

Tgt Ion: 91 Resp: 102731

Ion Ratio Lower Upper

91 100

106 28.5 21.4 39.8



#53

m,p-Xylene

Concen: 0.408 ug/L

RT: 11.51 min Scan# 1616

Delta R.T. 0.01 min

Lab File: VR026264.D

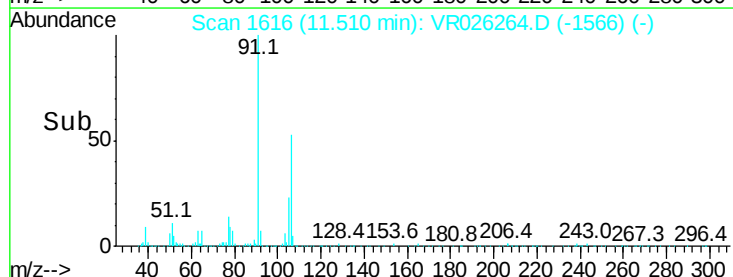
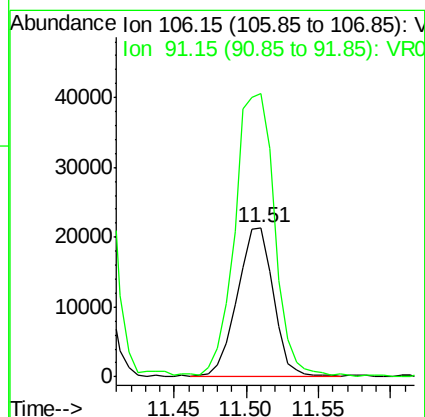
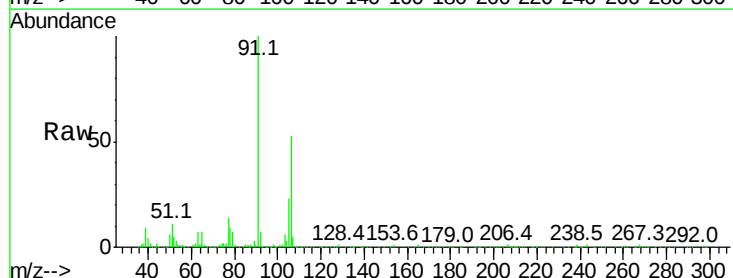
Acq: 17 Dec 2018 14:31

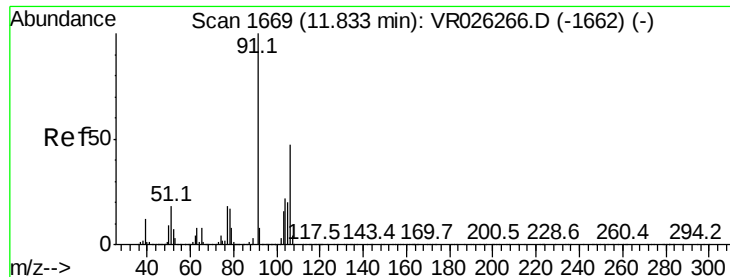
Tgt Ion: 106 Resp: 36668

Ion Ratio Lower Upper

106 100

91 189.4 145.9 271.1

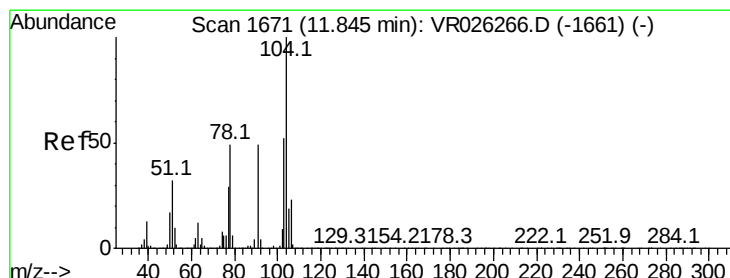
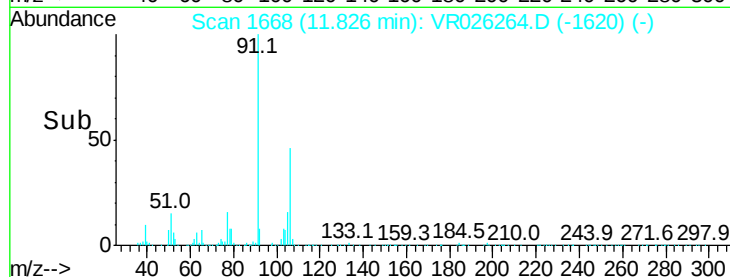
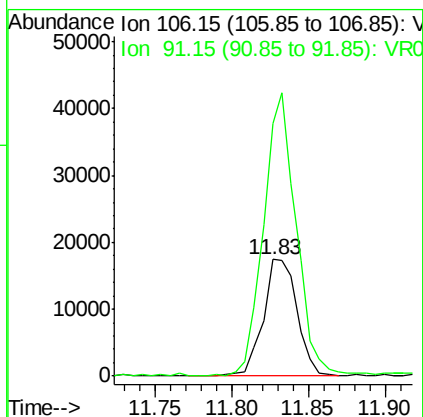
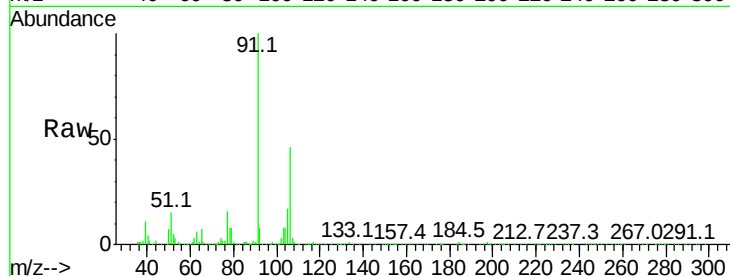




#54
o-Xylene
Concen: 0.330 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

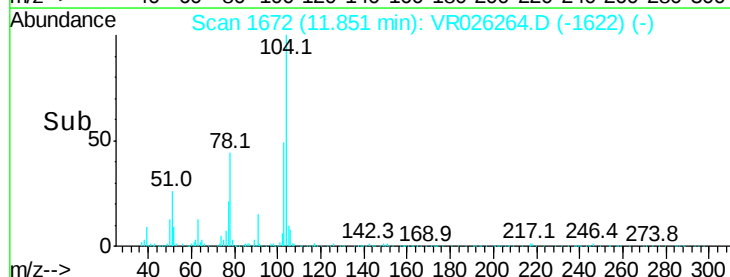
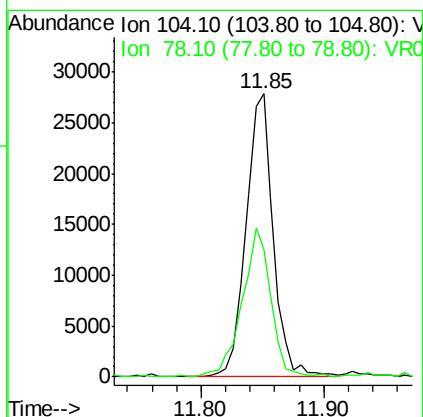
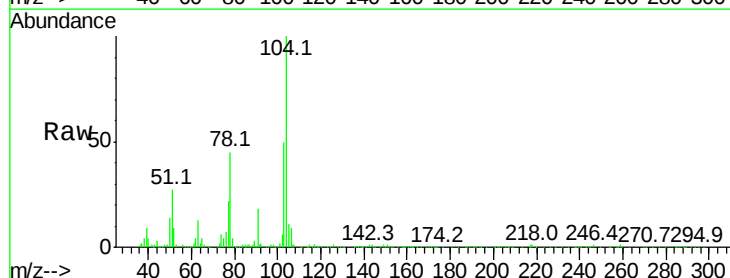
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

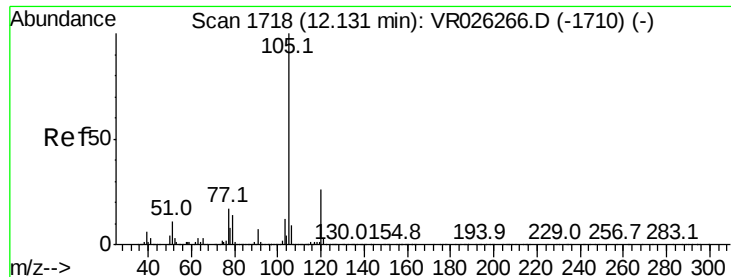
Tgt Ion:106 Resp: 26892
Ion Ratio Lower Upper
106 100
91 216.5 150.4 279.4



#55
Styrene
Concen: 0.332 ug/L
RT: 11.85 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VR026264.D
Acq: 17 Dec 2018 14:31

Tgt Ion:104 Resp: 43088
Ion Ratio Lower Upper
104 100
78 45.1 34.6 64.2





#56

Isopropylbenzene

Concen: 0.367 ug/L

RT: 12.14 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

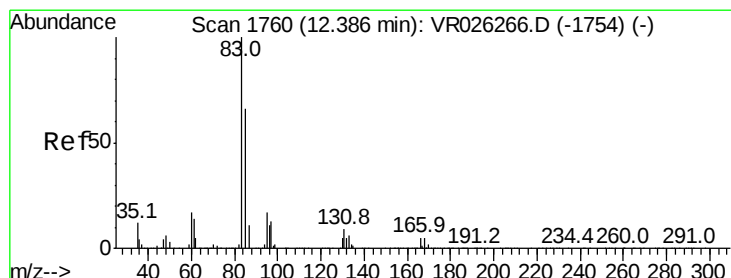
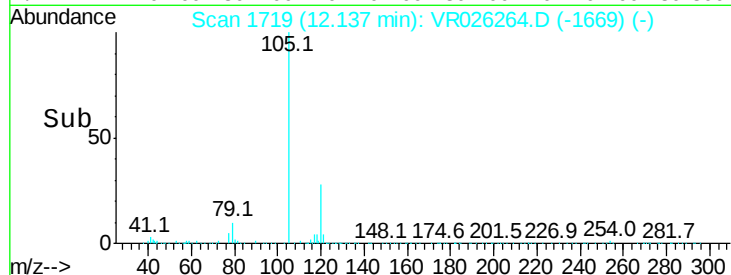
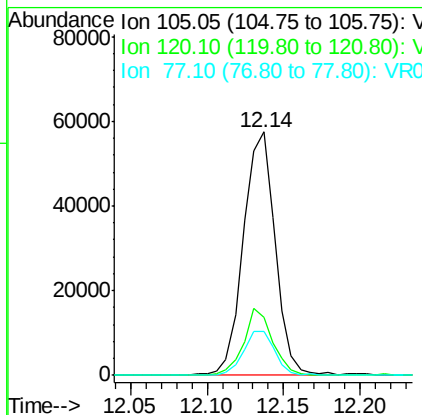
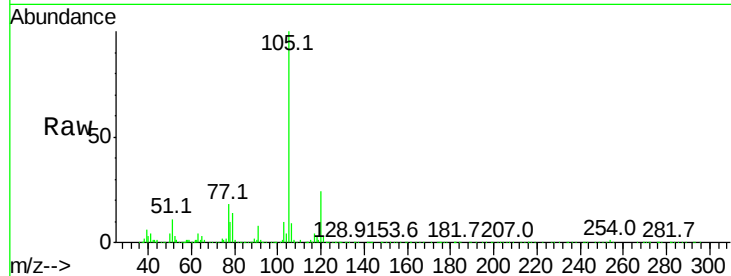
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion:	105	Resp:	82967
Ion Ratio	Lower	Upper	
105	100		
120	24.7	21.2	31.8
77	18.2	13.6	20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 0.445 ug/L

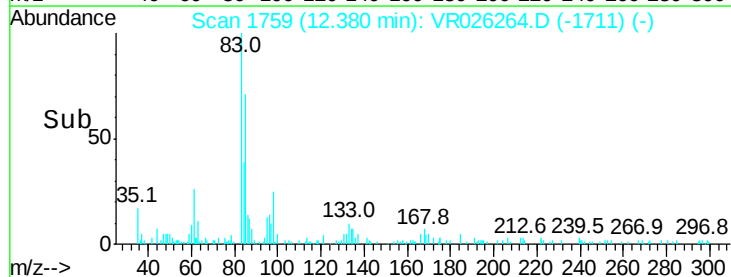
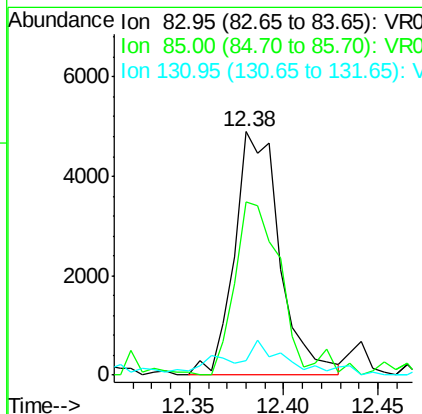
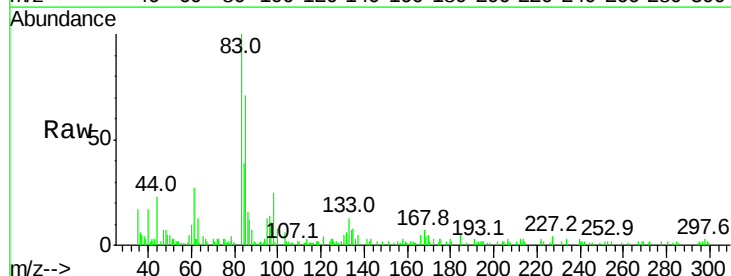
RT: 12.38 min Scan# 1759

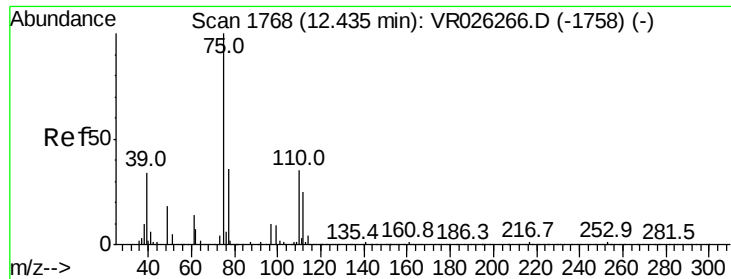
Delta R.T. -0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Tgt Ion:	83	Resp:	8143
Ion Ratio	Lower	Upper	
83	100		
85	71.4	46.9	87.1
131	5.7	7.7	11.5#





#59

1,2,3-Trichloropropane

Concen: 0.441 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

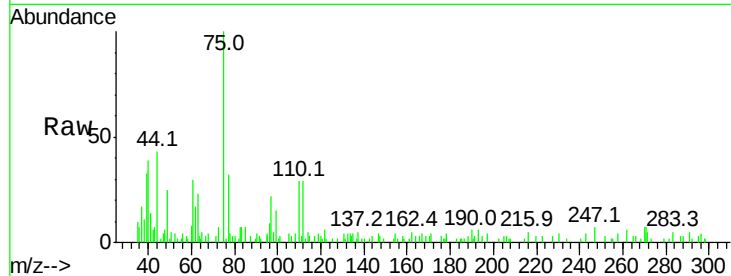
VSTD0.581

Tgt Ion: 75 Resp: 5902

Ion Ratio Lower Upper

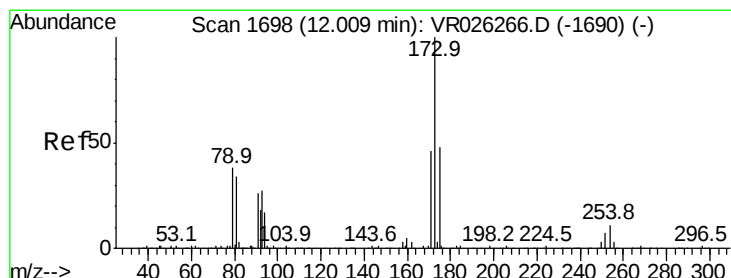
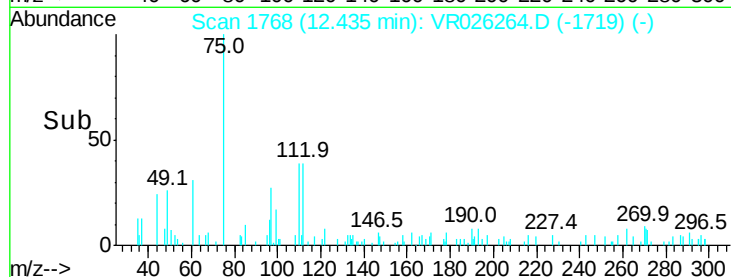
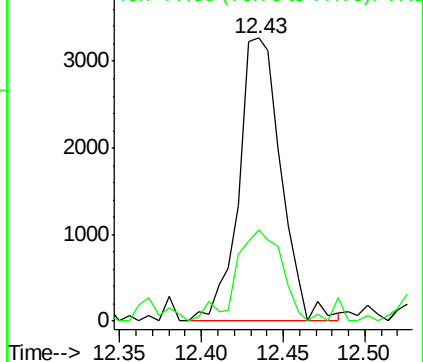
75 100

77 34.5 27.0 40.6



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 0.475 ug/L

RT: 12.02 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

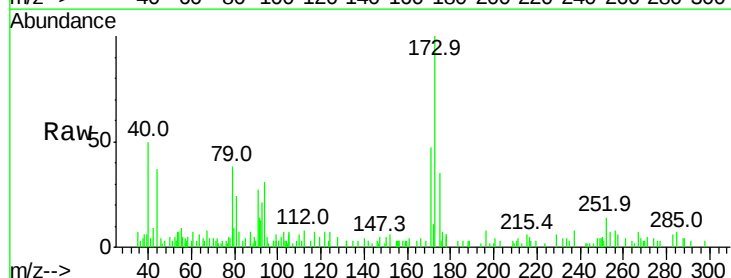
Tgt Ion: 173 Resp: 3541

Ion Ratio Lower Upper

173 100

175 59.9 40.9 61.3

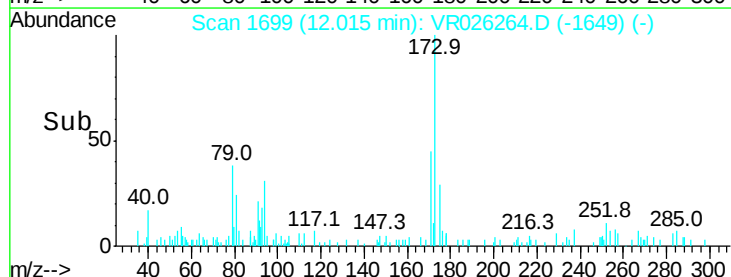
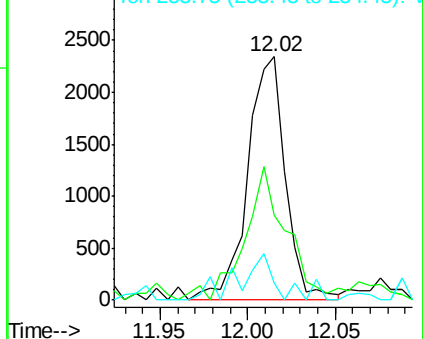
254 13.4 8.5 12.7#

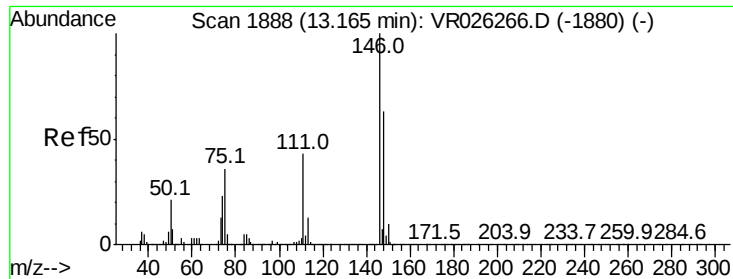


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.417 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

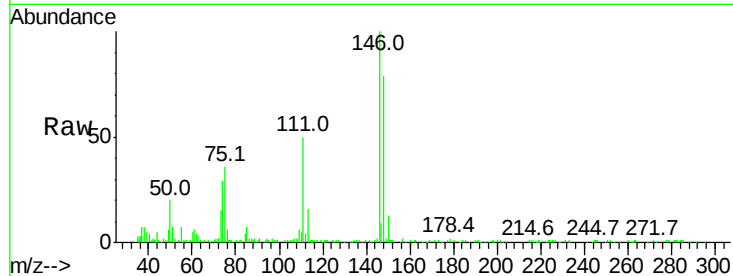
Tgt Ion:146 Resp: 25126

Ion Ratio Lower Upper

146 100

111 49.6 30.4 56.4

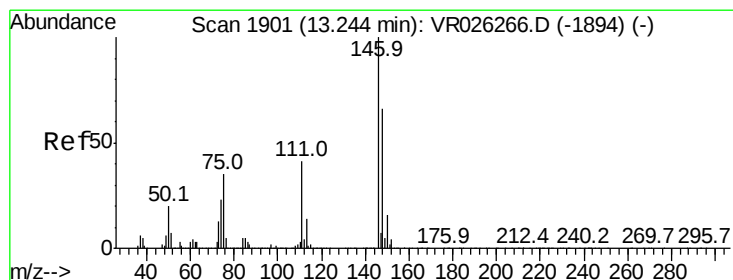
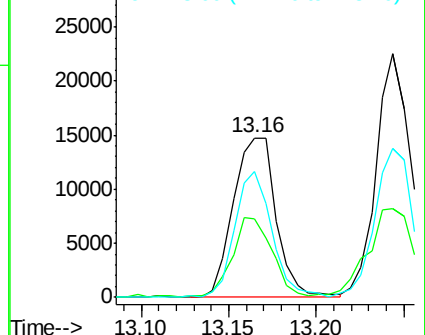
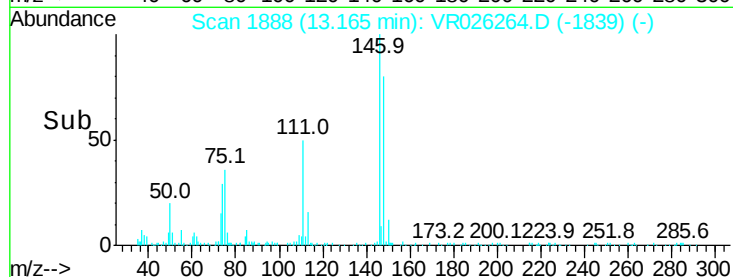
148 79.1 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.473 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

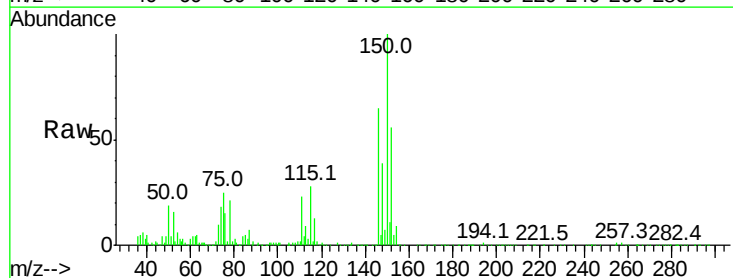
Tgt Ion:146 Resp: 31425

Ion Ratio Lower Upper

146 100

111 36.2 29.0 53.9

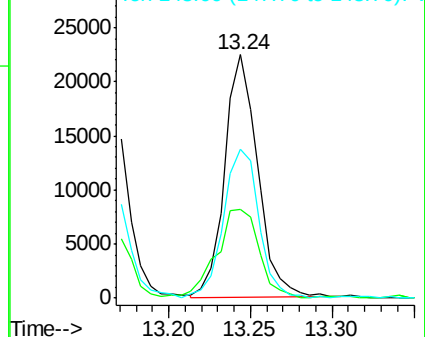
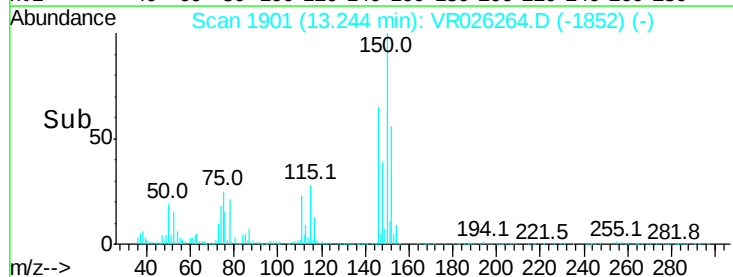
148 61.0 46.7 86.7

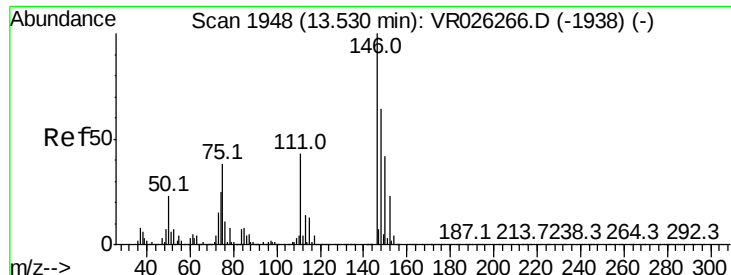


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.434 ug/L

RT: 13.54 min Scan# 1949

Delta R.T. 0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

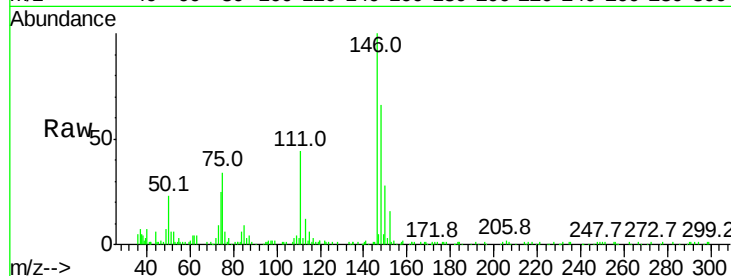
Tgt Ion:146 Resp: 21577

Ion Ratio Lower Upper

146 100

111 44.3 34.6 52.0

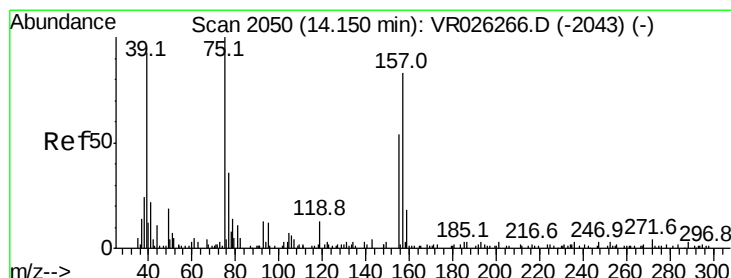
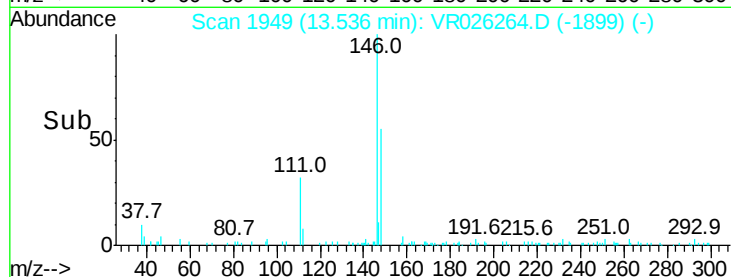
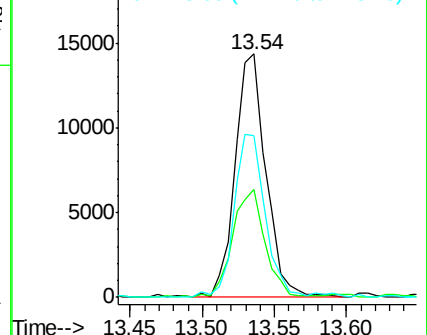
148 66.2 51.0 76.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.584 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

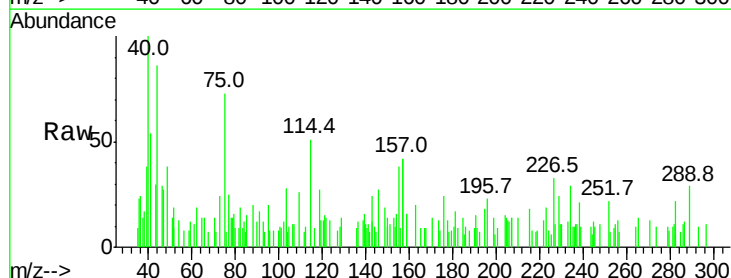
Tgt Ion: 75 Resp: 1083

Ion Ratio Lower Upper

75 100

155 52.6 44.4 66.6

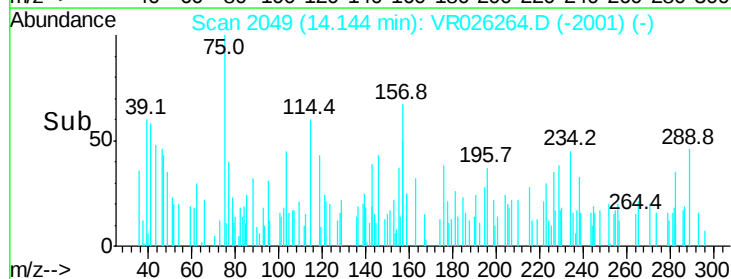
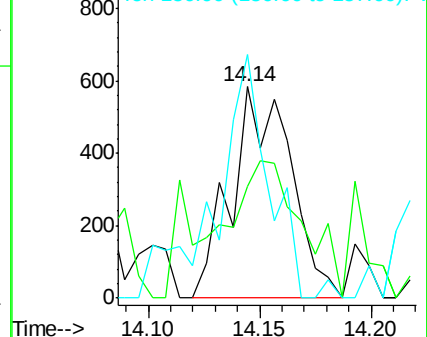
157 115.1 66.3 99.5#

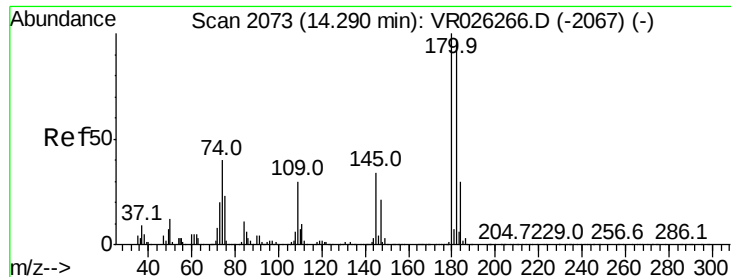


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

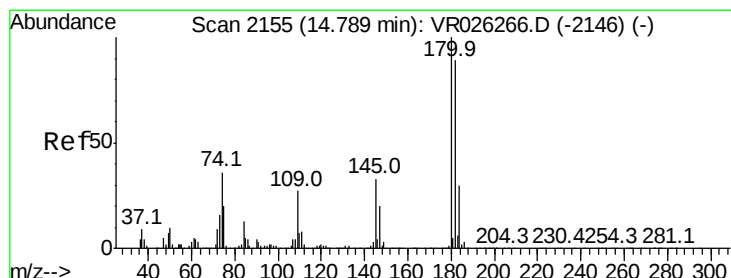
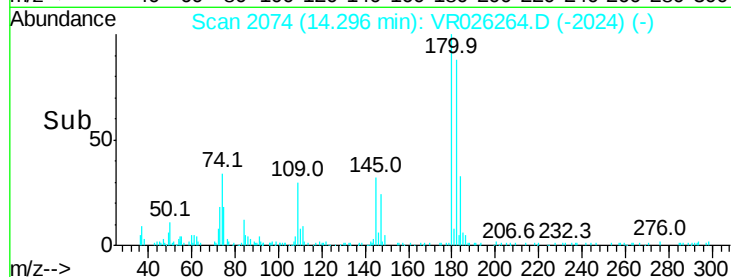
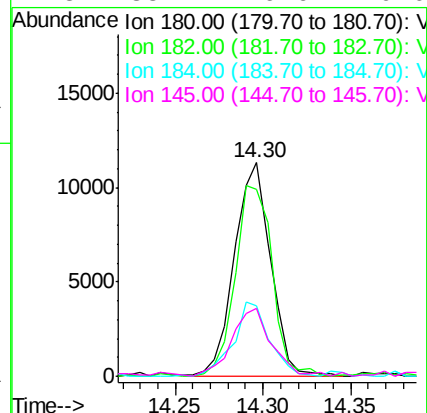
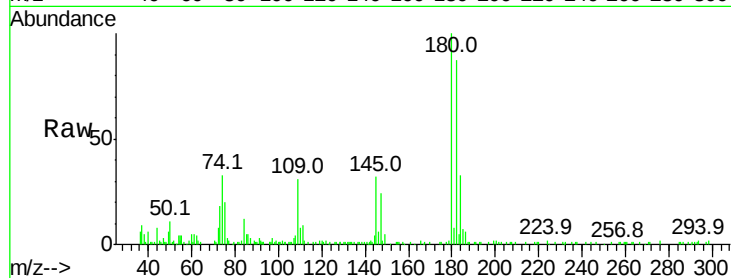




#67
 1,3,5-Trichlorobenzene
 Concen: 0.434 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026264.D
 Acq: 17 Dec 2018 14:31

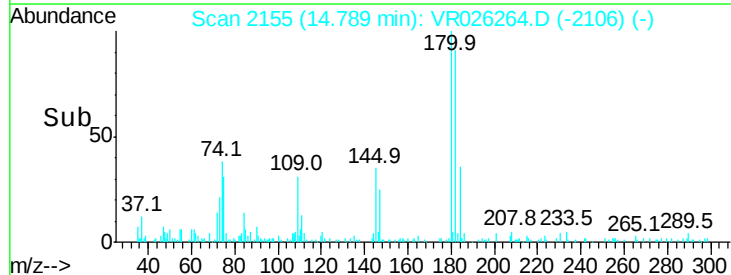
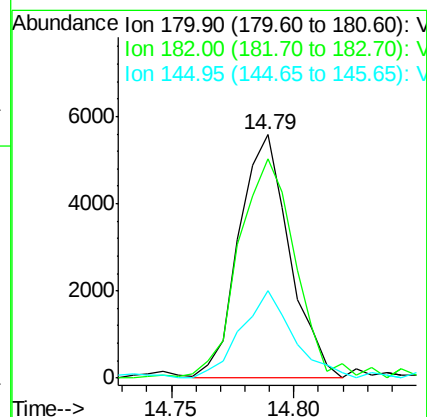
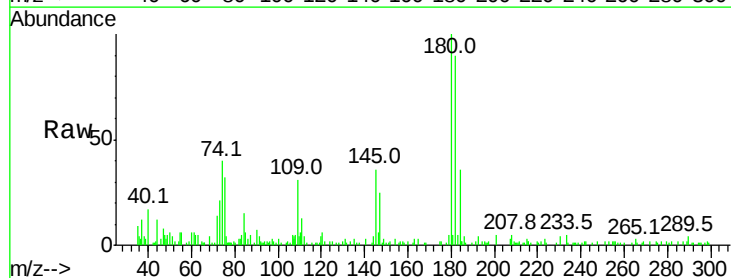
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

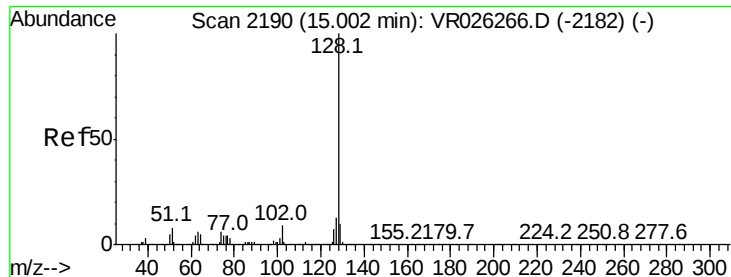
Tgt Ion:	180	Resp:	16348
Ion	Ratio	Lower	Upper
180	100		
182	91.0	77.3	115.9
184	34.5	24.4	36.6
145	35.1	26.6	40.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.384 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026264.D
 Acq: 17 Dec 2018 14:31

Tgt Ion:	180	Resp:	8023
Ion	Ratio	Lower	Upper
180	100		
182	102.4	75.8	113.6
145	36.8	27.0	40.4





#69

Naphthalene

Concen: 0.287 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

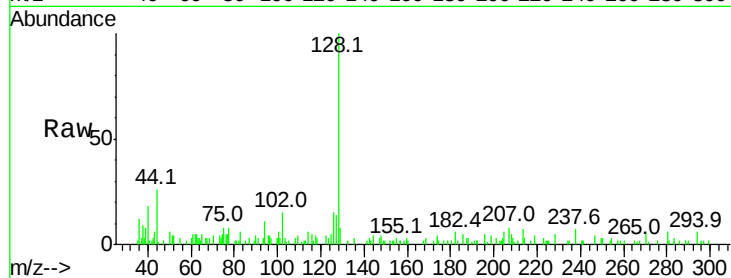
Tgt Ion:128 Resp: 5873

Ion Ratio Lower Upper

128 100

127 16.5 11.1 16.7

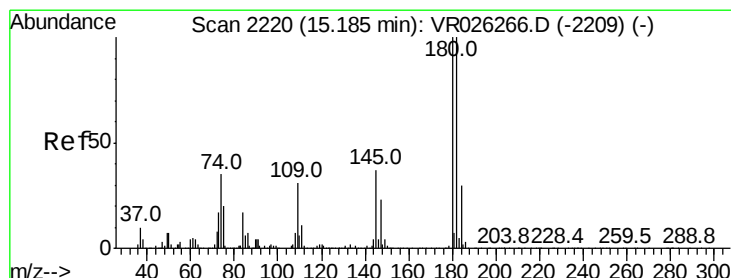
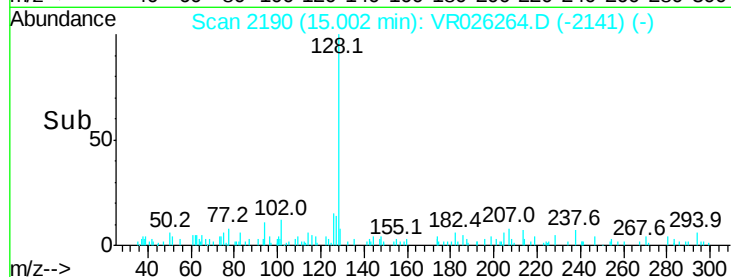
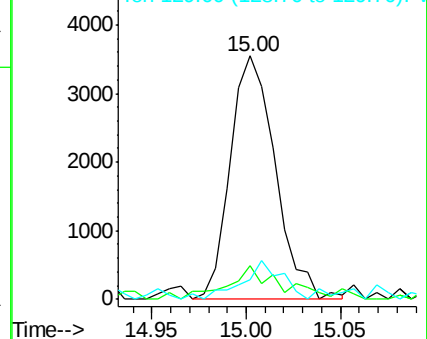
129 13.9 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.359 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VR026264.D

Acq: 17 Dec 2018 14:31

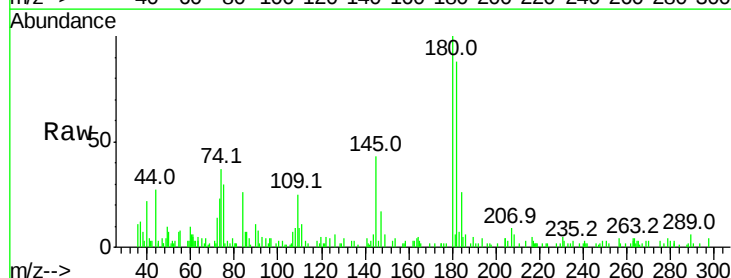
Tgt Ion:180 Resp: 5564

Ion Ratio Lower Upper

180 100

182 94.5 75.1 112.7

145 47.4 25.8 38.6#



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

