

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091818\
 Data File : VR025756.D
 Acq On : 18 Sep 2018 13:34
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

Quant Time: Sep 19 09:13:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 16:10:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	715400	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	636593	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	271428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	144646	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	2.62	69	125354	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	3.63	63	413058	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	6.59	46	152851	49.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.92%
24) Chloroform-d	7.20	84	403163	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	7.90	65	140510	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	7.85	84	913539	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	8.90	67	255797	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	9.97	98	881923	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	10.24	79	56476	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	10.59	63	195648	57.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.82%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	120429	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	186890	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	185588	4.671 ug/L	99
3) Chloromethane	2.01	50	191824	4.205 ug/L	98
5) Vinyl chloride	2.17	62	203353	4.409 ug/L	87
6) Bromomethane	2.52	94	144265	4.456 ug/L	95
8) Chloroethane	2.66	64	113169	4.001 ug/L	99
9) Trichlorofluoromethane	2.94	101	141214	1.657 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	222299	4.692 ug/L	98
12) 1,1-Dichloroethene	3.65	96	211535	4.611 ug/L	85
13) Acetone	3.70	43	99792	53.916 ug/L	95
14) Carbon disulfide	3.96	76	480519	4.384 ug/L	99
15) Methyl Acetate	4.19	43	30100	4.006 ug/L #	65
16) Methylene chloride	4.40	84	173804	4.163 ug/L	95
17) Methyl tert-butyl Ether	4.90	73	283222	4.859 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	300926	5.215 ug/L	94
19) 1,1-Dichloroethane	5.69	63	455058	4.881 ug/L	98
21) 2-Butanone	6.69	43	244170	55.825 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	260759	5.175 ug/L #	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091818\
 Data File : VR025756.D
 Acq On : 18 Sep 2018 13:34
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

Quant Time: Sep 19 09:13:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 16:10:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

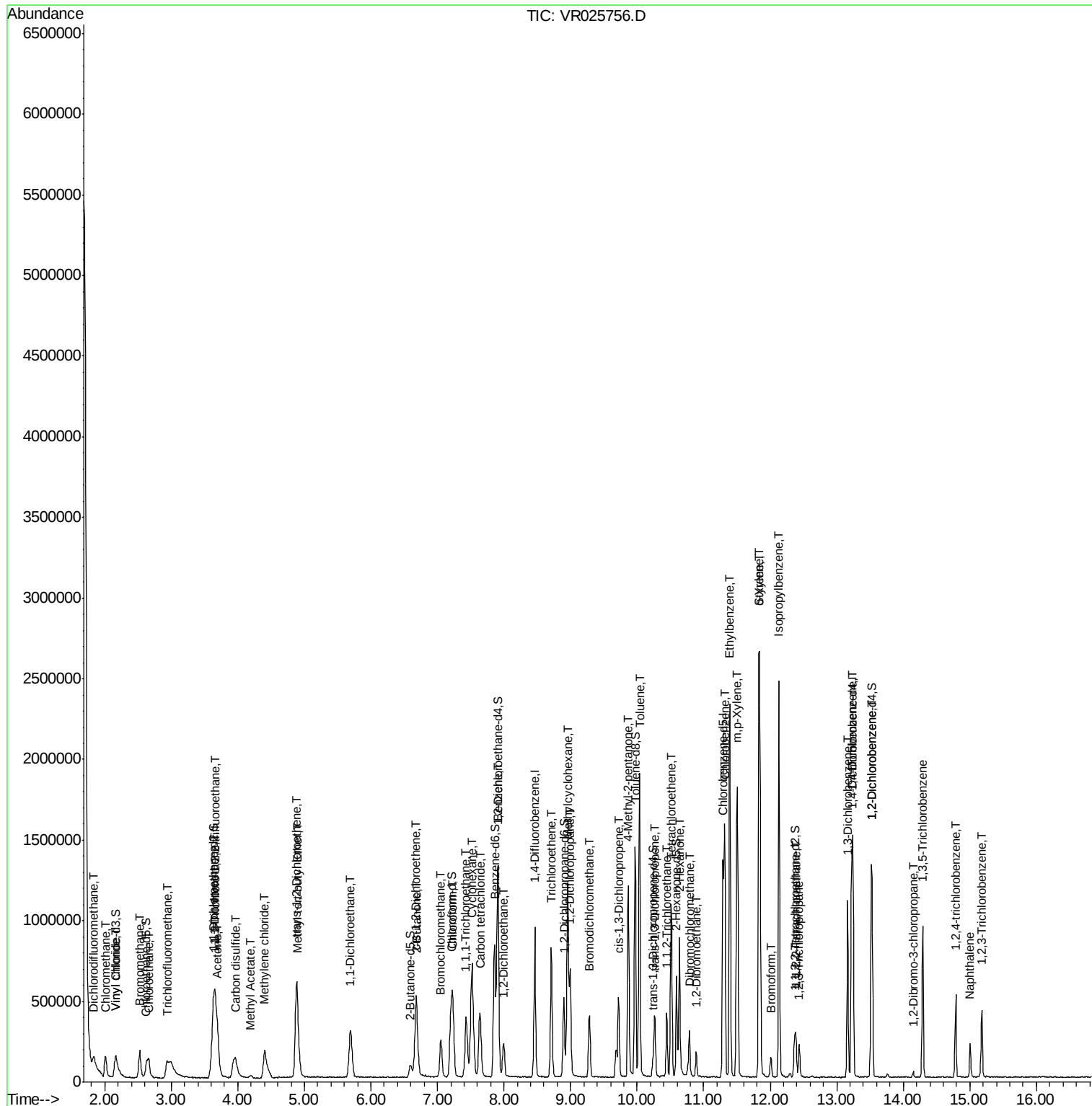
23) Bromochloromethane	7.05	128	82720	4.886	ug/L	91
25) Chloroform	7.23	83	426059	5.000	ug/L	95
27) 1,2-Dichloroethane	7.99	62	174081	5.073	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	324531	5.033	ug/L	100
30) Cyclohexane	7.51	56	427406	5.329	ug/L	96
31) Carbon tetrachloride	7.64	117	326330	5.039	ug/L	99
33) Benzene	7.91	78	1211541	5.131	ug/L	100
34) Trichloroethene	8.71	95	267712	4.783	ug/L	99
35) Methylcyclohexane	8.95	83	498733	5.653	ug/L	96
37) 1,2-Dichloropropane	9.00	63	267451	5.128	ug/L	98
38) Bromodichloromethane	9.28	83	234441	5.021	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	272818	5.365	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	719380	56.298	ug/L	96
42) Toluene	10.04	91	1293044	5.441	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	195924	5.500	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	120201	5.241	ug/L	90
47) Tetrachloroethene	10.51	164	225429	5.274	ug/L	96
48) 2-Hexanone	10.63	43	511393	55.185	ug/L	97
49) Dibromochloromethane	10.79	129	135192	5.295	ug/L	97
50) 1,2-Dibromoethane	10.89	107	94413	4.983	ug/L	93
51) Chlorobenzene	11.32	112	760149	5.202	ug/L	98
52) Ethylbenzene	11.39	91	1436879	5.489	ug/L	100
53) m,p-Xylene	11.50	106	560260	5.484	ug/L	98
54) o-Xylene	11.83	106	503808	5.652	ug/L	99
55) Styrene	11.84	104	812290	5.583	ug/L	98
56) Isopropylbenzene	12.13	105	1374521	5.824	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	123032	5.074	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	81777	4.957	ug/L	95
61) Bromoform	12.01	173	53969	4.706	ug/L	88
62) 1,3-Dichlorobenzene	13.16	146	414003	4.793	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	485502	4.904	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	379009	4.992	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8982	4.198	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	263716	5.091	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	147332	4.805	ug/L	97
69) Naphthalene	15.00	128	152077	4.407	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	121158	5.124	ug/L	98

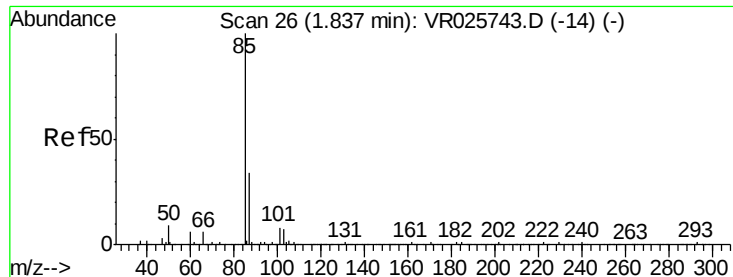
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091818\
Data File : VR025756.D
Acq On : 18 Sep 2018 13:34
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00507

Quant Time: Sep 19 09:13:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 16:10:44 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.671 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.01 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

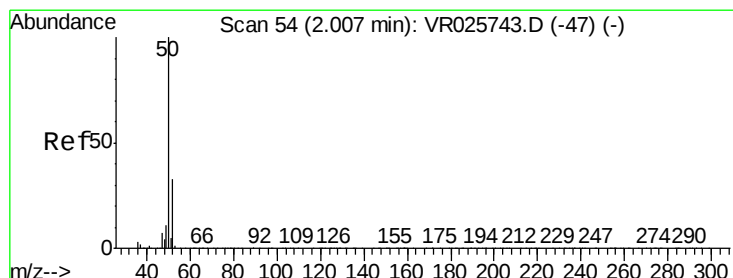
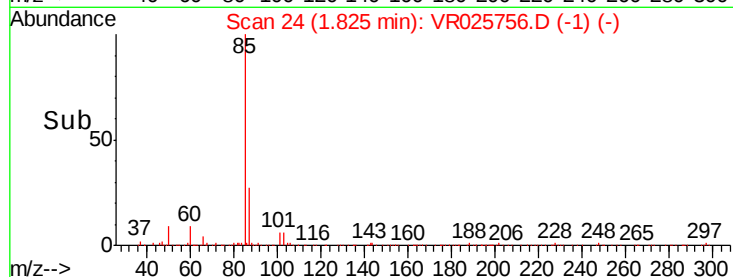
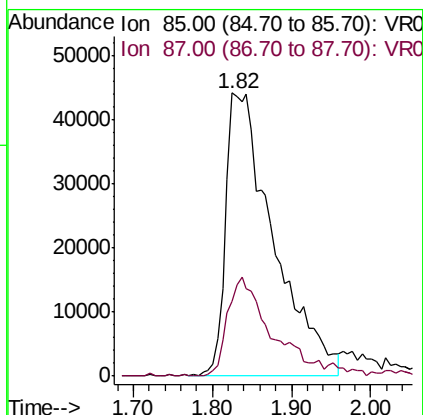
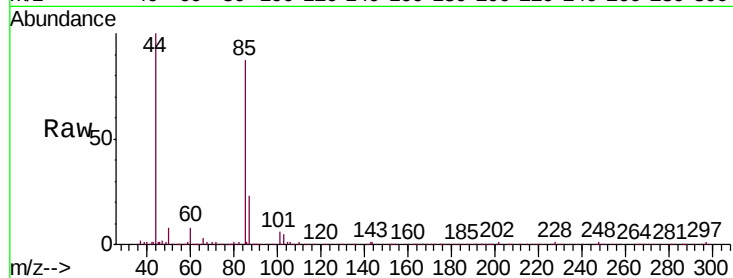
VSTD00507

Tgt Ion: 85 Resp: 185588

Ion Ratio Lower Upper

85 100

87 32.2 25.3 37.9



#3

Chloromethane

Concen: 4.205 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.00 min

Lab File: VR025756.D

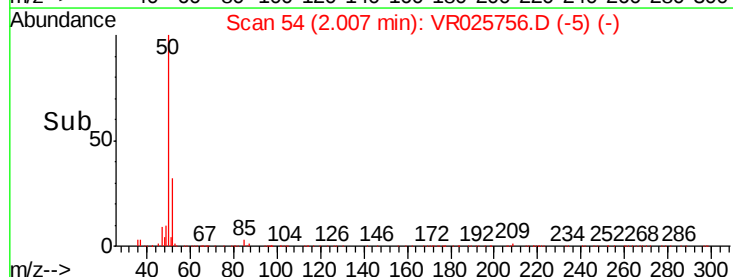
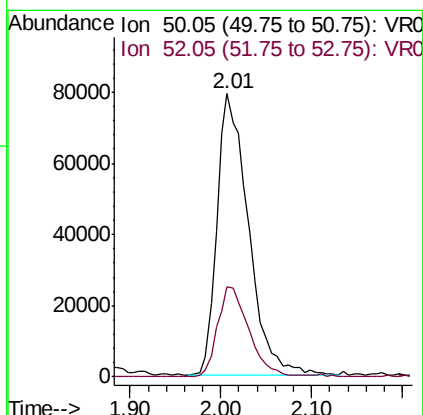
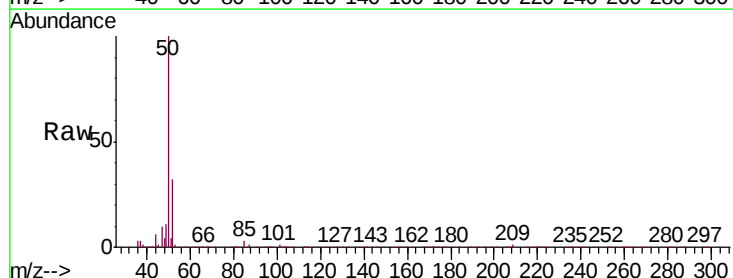
Acq: 18 Sep 2018 13:34

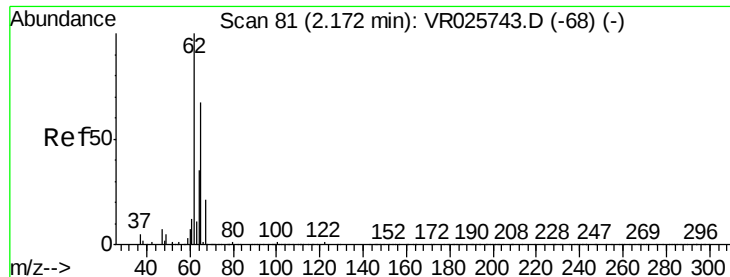
Tgt Ion: 50 Resp: 191824

Ion Ratio Lower Upper

50 100

52 31.9 23.1 42.9





#5

Vinyl chloride

Concen: 4.409 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

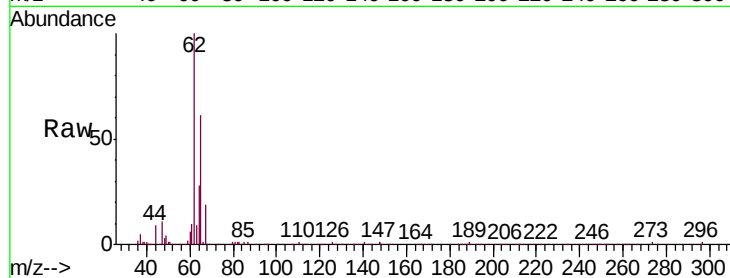
VSTD00507

Tgt Ion: 62 Resp: 203353

Ion Ratio Lower Upper

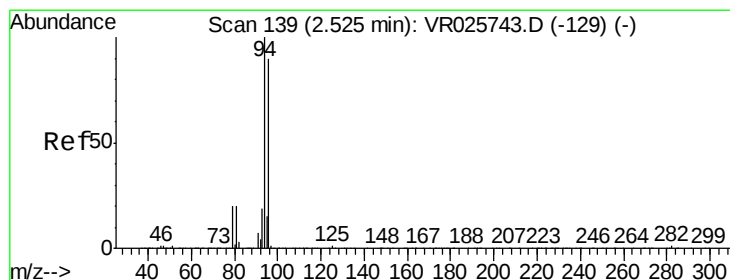
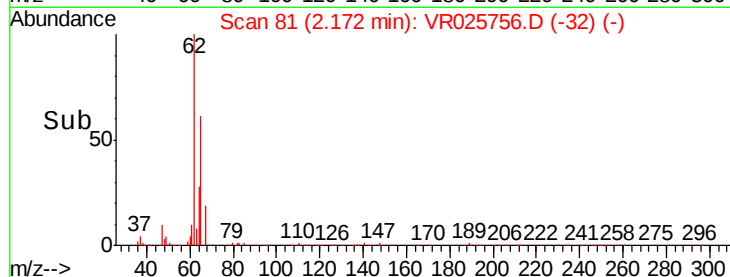
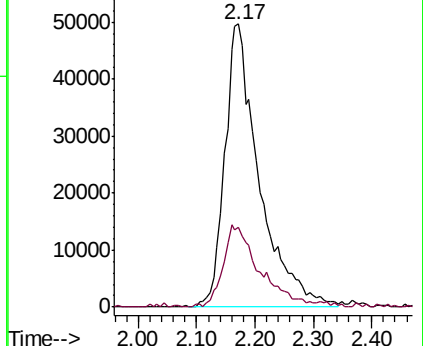
62 100

64 28.0 24.9 46.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.456 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR025756.D

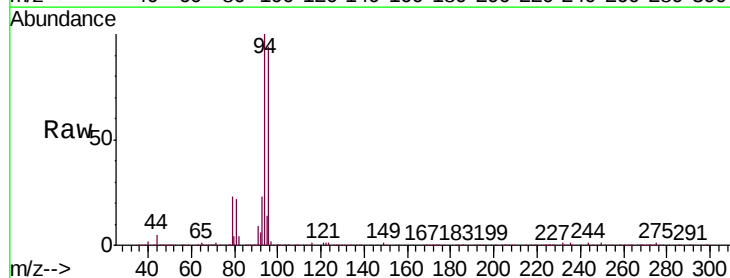
Acq: 18 Sep 2018 13:34

Tgt Ion: 94 Resp: 144265

Ion Ratio Lower Upper

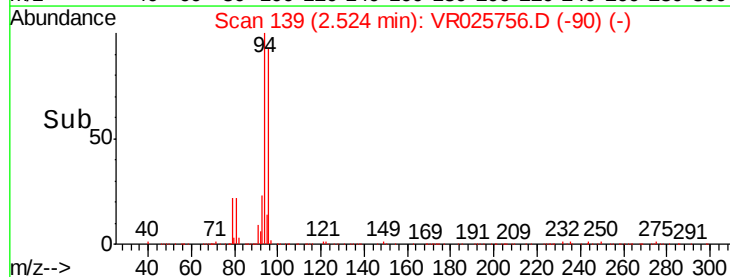
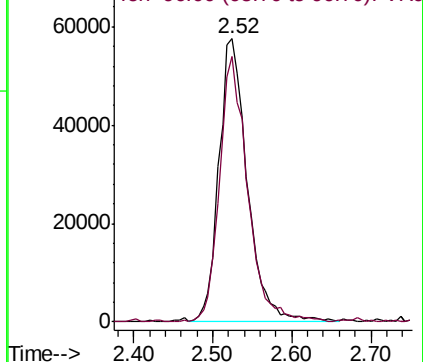
94 100

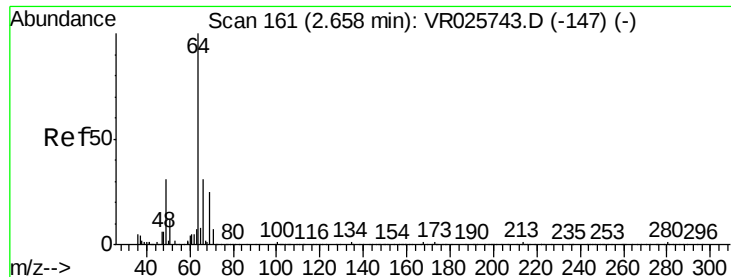
96 95.5 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 4.001 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

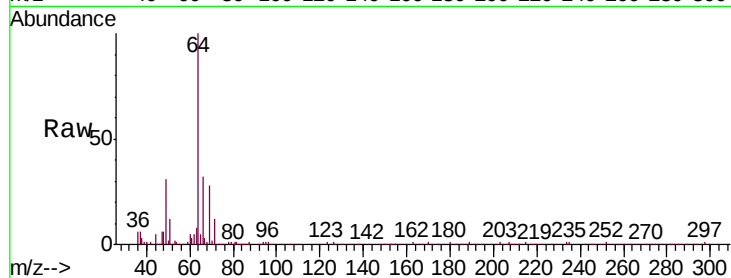
VSTD00507

Tgt Ion: 64 Resp: 113169

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

50000

40000

30000

20000

10000

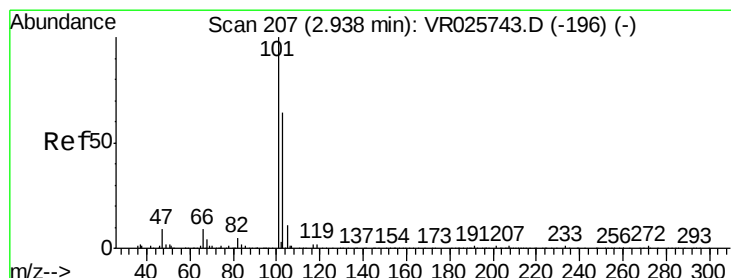
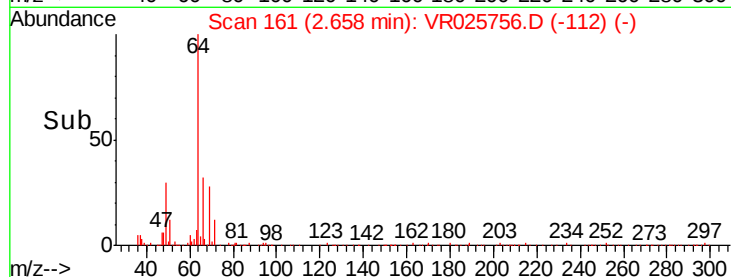
0

2.60

2.70

2.80

Time-->



#9

Trichlorofluoromethane

Concen: 1.657 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR025756.D

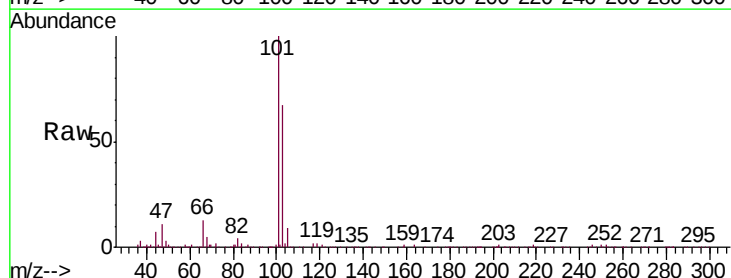
Acq: 18 Sep 2018 13:34

Tgt Ion: 101 Resp: 141214

Ion Ratio Lower Upper

101 100

103 60.1 13.5 20.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

50000

40000

30000

20000

10000

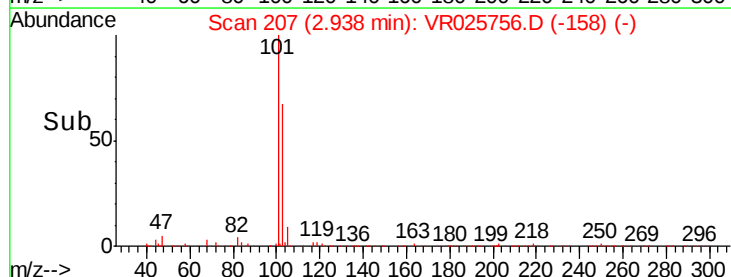
0

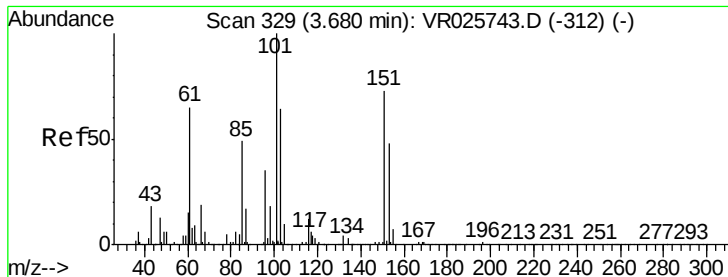
2.85

2.90

2.95

Time-->





#10

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

Concen: 4.692 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

VSTD00507

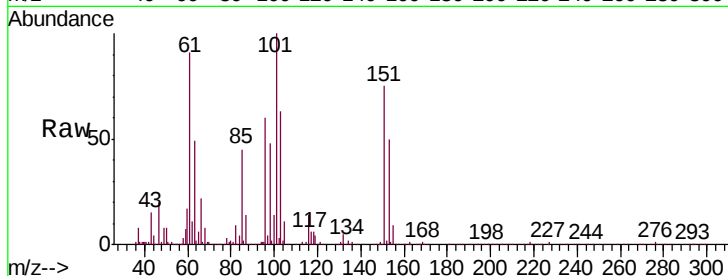
Tgt Ion: 101 Resp: 222299

Ion Ratio Lower Upper

101 100

85 46.4 37.8 56.6

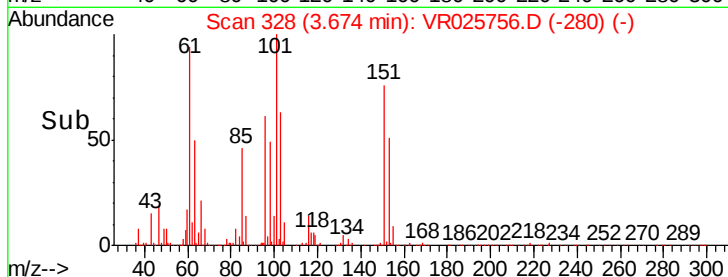
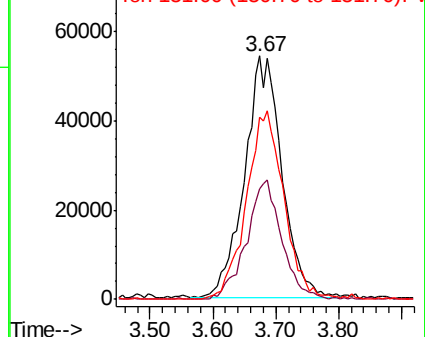
151 77.9 60.1 90.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.611 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.01 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

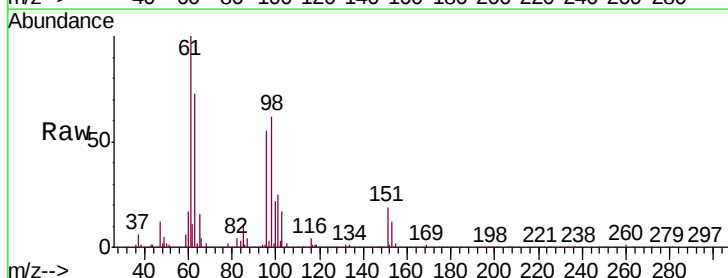
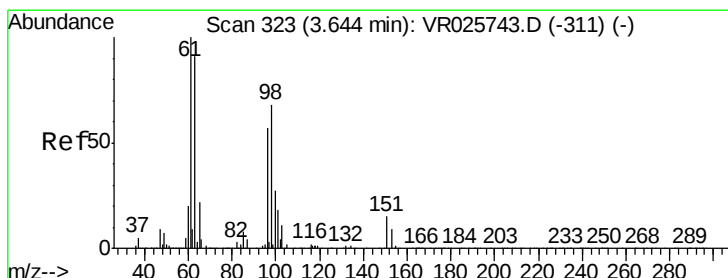
Tgt Ion: 96 Resp: 211535

Ion Ratio Lower Upper

96 100

61 181.8 123.8 229.8

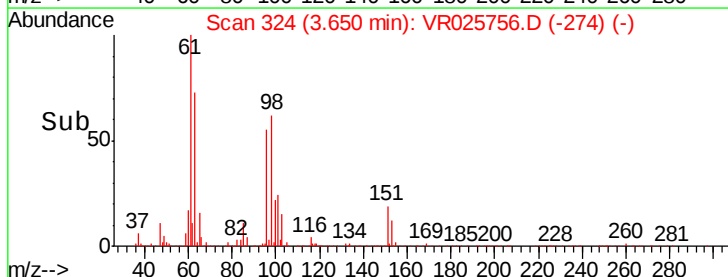
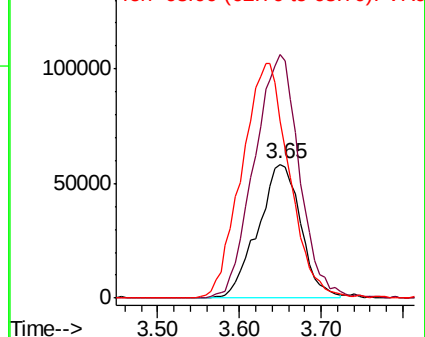
63 132.1 118.0 219.1

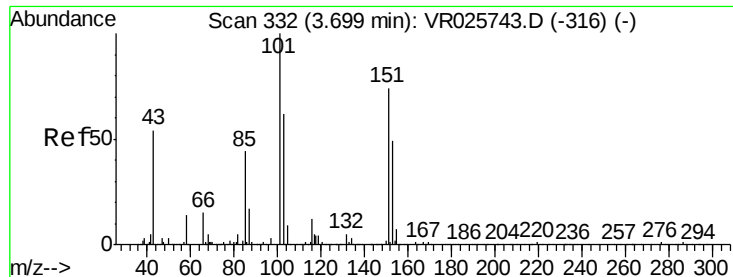


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

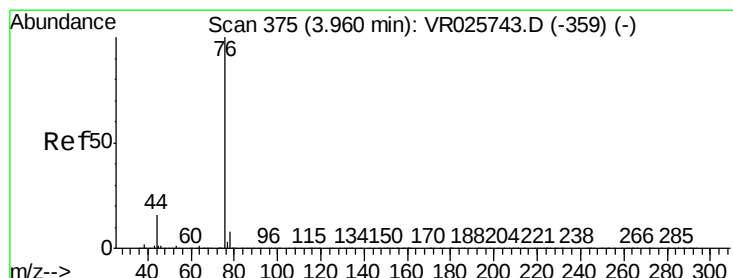
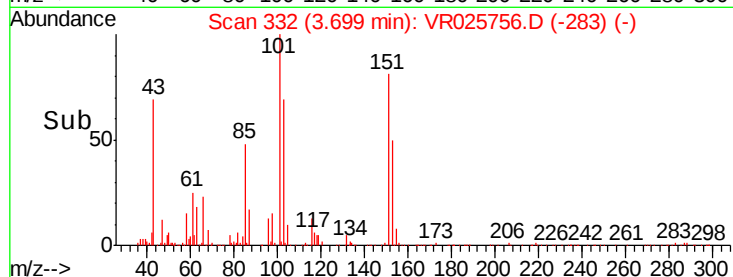
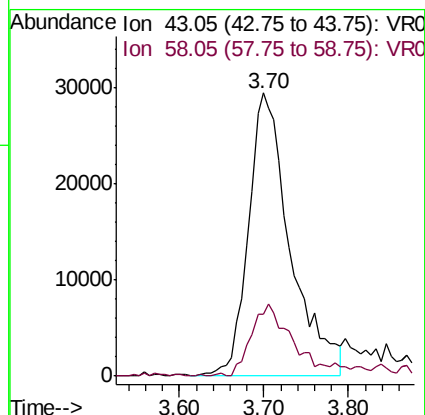
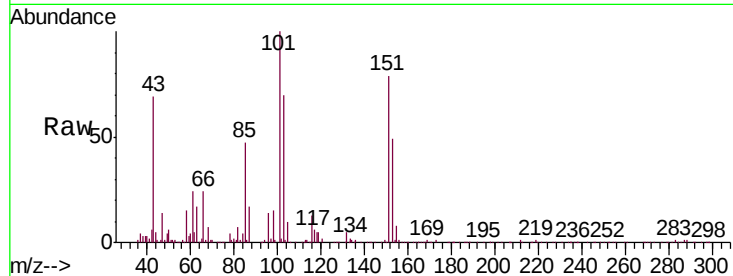




#13
Acetone
Concen: 53.916 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

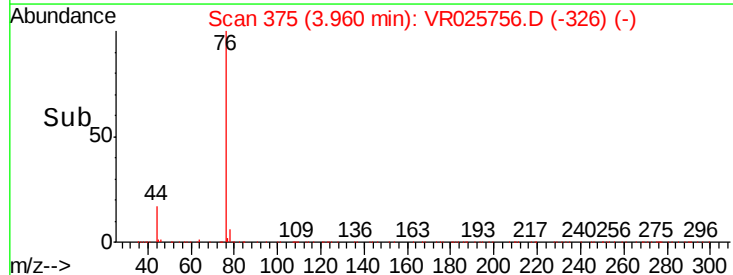
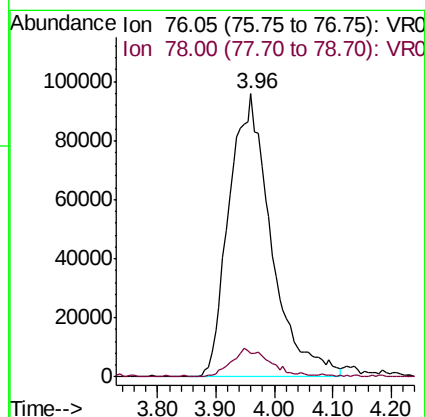
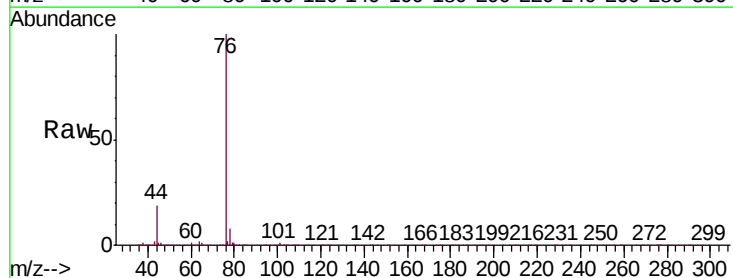
Instrument :
MSVOA_R
ClientSampleId :
VSTD00507

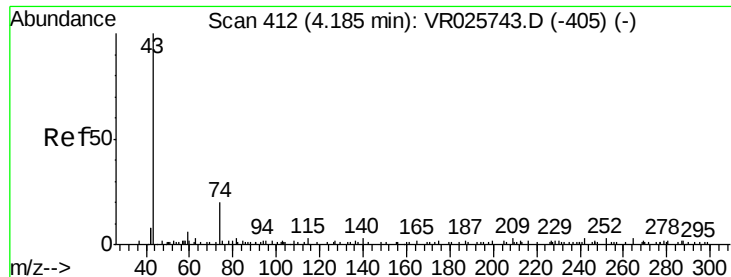
Tgt Ion: 43 Resp: 99792
Ion Ratio Lower Upper
43 100
58 24.7 0.0 44.2



#14
Carbon disulfide
Concen: 4.384 ug/L
RT: 3.96 min Scan# 375
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Tgt Ion: 76 Resp: 480519
Ion Ratio Lower Upper
76 100
78 8.1 6.8 10.2





#15

Methyl Acetate

Concen: 4.006 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.01 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

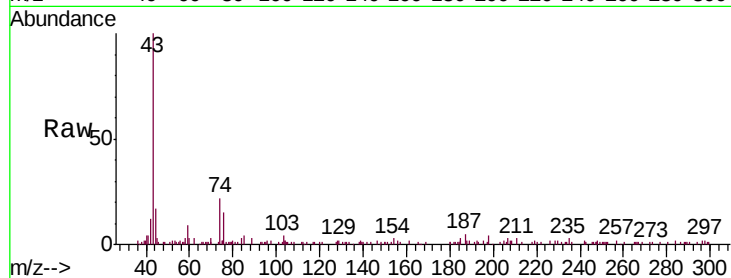
VSTD00507

Tgt Ion: 43 Resp: 30100

Ion Ratio Lower Upper

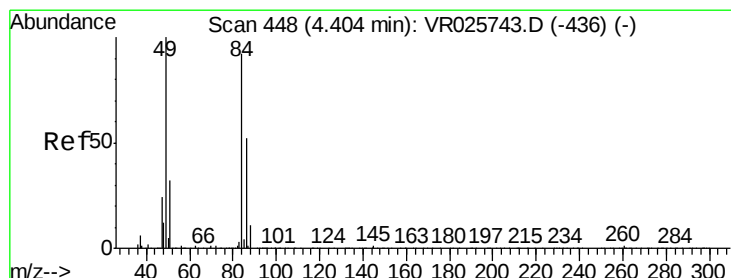
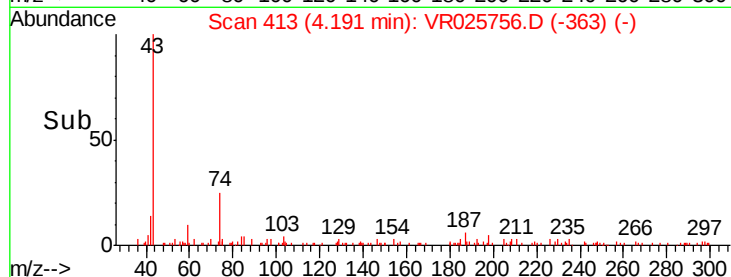
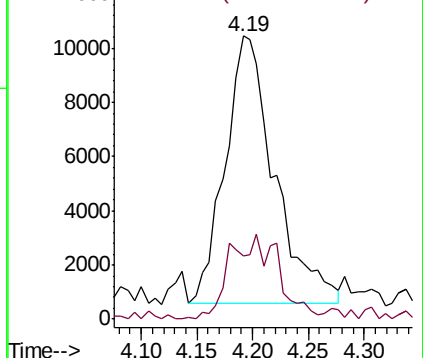
43 100

74 12.0 24.8 37.2#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.163 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

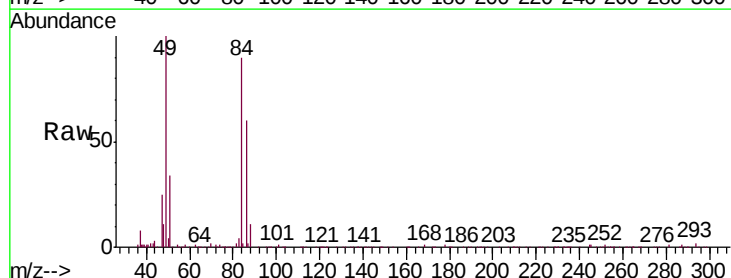
Tgt Ion: 84 Resp: 173804

Ion Ratio Lower Upper

84 100

86 65.8 39.3 73.1

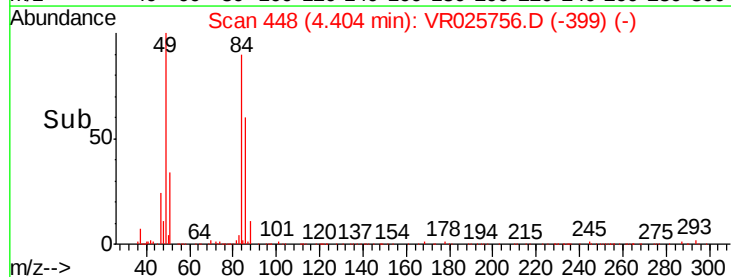
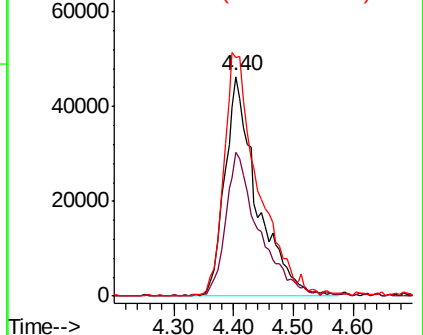
49 108.7 76.2 141.4

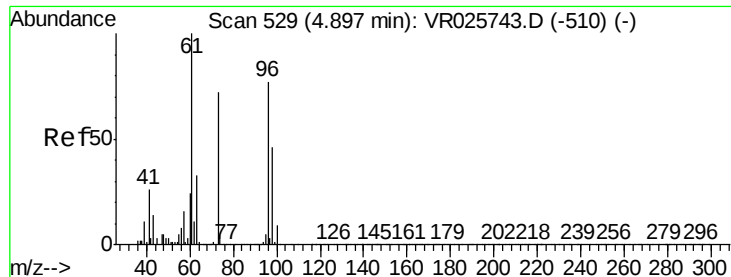


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

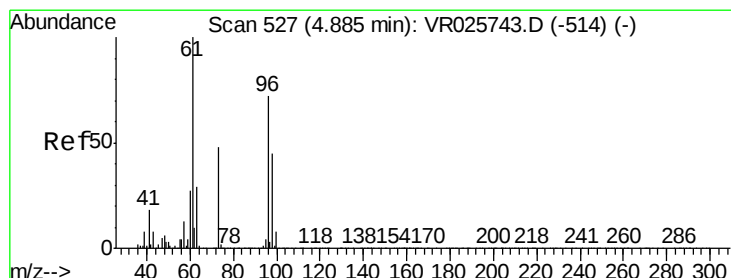
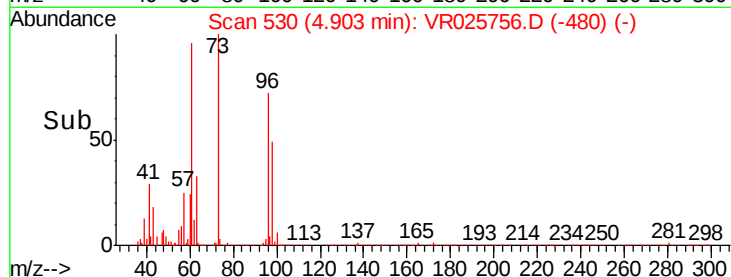
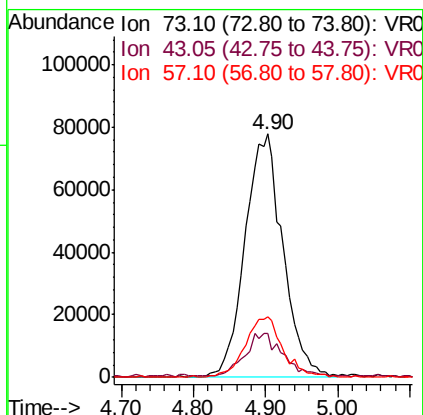
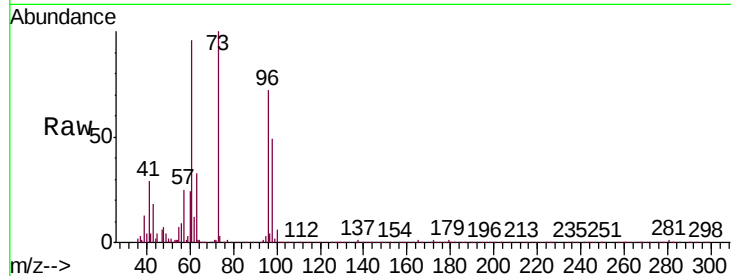




#17
Methyl tert-butyl Ether
Concen: 4.859 ug/L
RT: 4.90 min Scan# 530
Delta R.T. 0.01 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

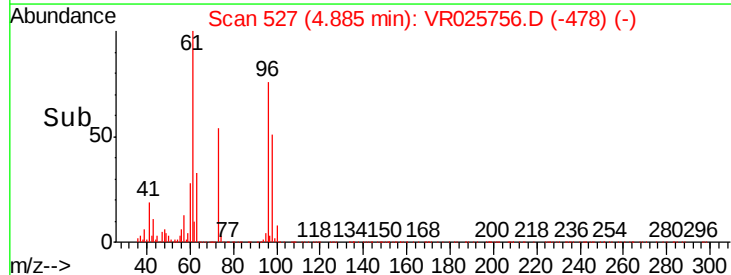
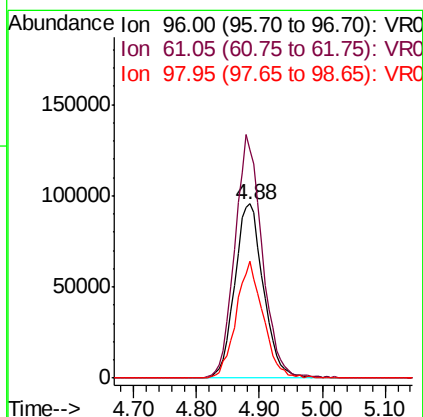
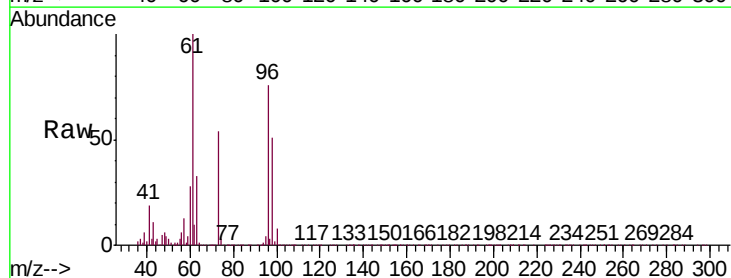
Instrument :
MSVOA_R
ClientSampleId :
VSTD00507

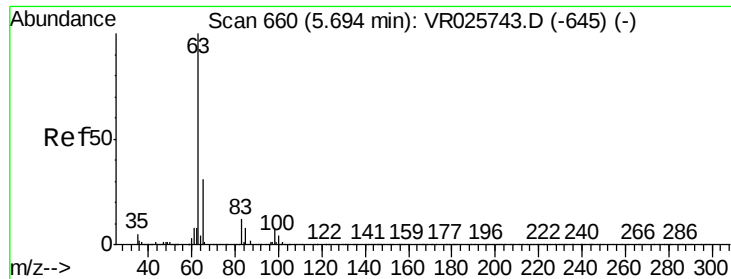
Tgt Ion: 73 Resp: 283222
Ion Ratio Lower Upper
73 100
43 18.2 15.0 22.4
57 24.6 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 5.215 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Tgt Ion: 96 Resp: 300926
Ion Ratio Lower Upper
96 100
61 131.0 96.9 179.9
98 67.0 43.5 80.9

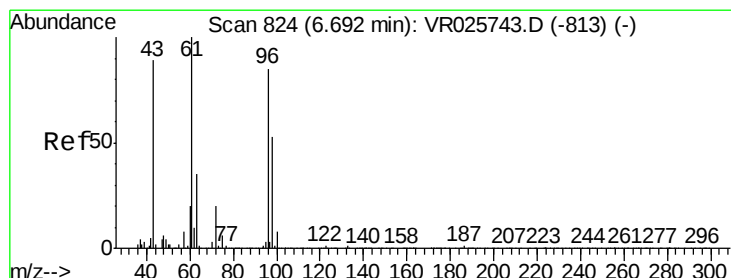
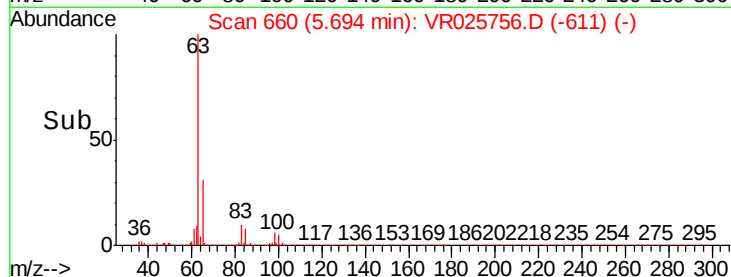
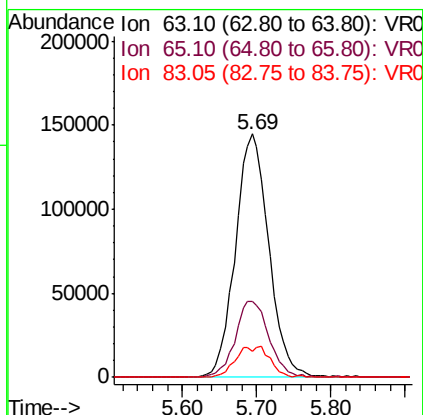
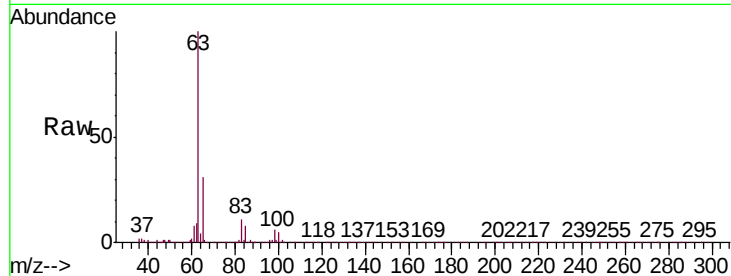




#19
 1,1-Dichloroethane
 Concen: 4.881 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

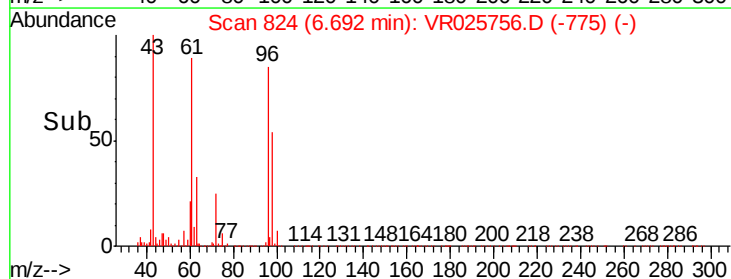
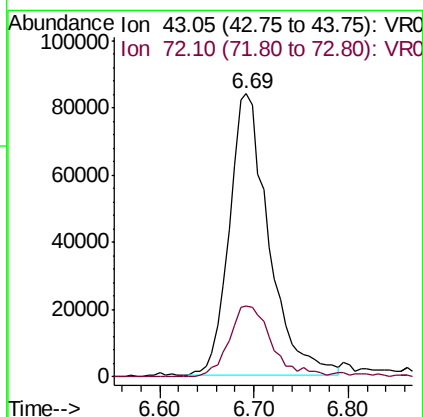
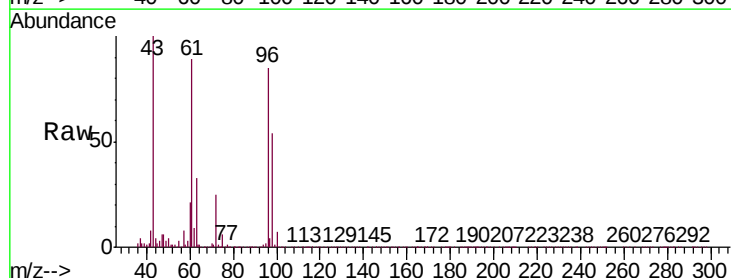
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

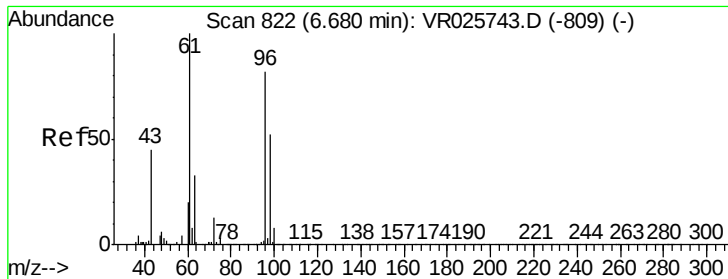
Tgt Ion: 63 Resp: 455058
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.5 39.9
 83 10.5 8.8 16.4



#21
 2-Butanone
 Concen: 55.825 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

Tgt Ion: 43 Resp: 244170
 Ion Ratio Lower Upper
 43 100
 72 27.1 14.0 42.0



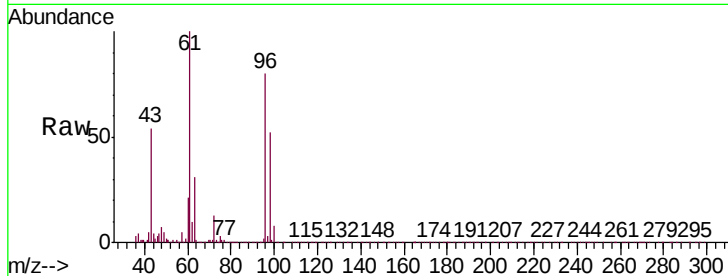


#22

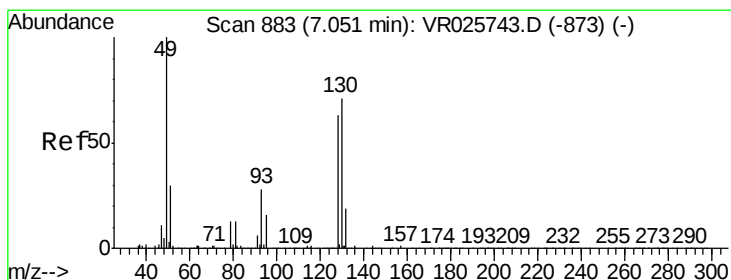
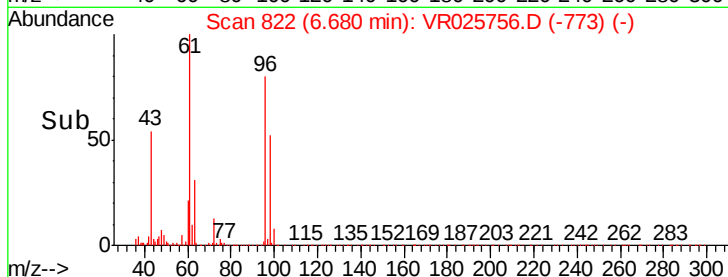
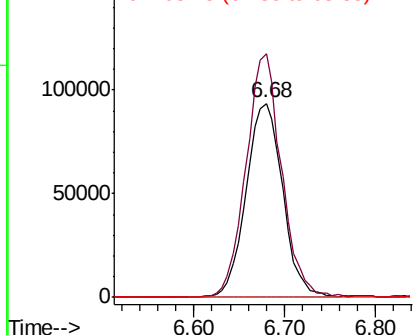
cis-1,2-Dichloroethene
Concen: 5.175 ug/L
RT: 6.68 min Scan# 822
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Instrument :
MSVOA_R
ClientSampleId :
VSTD00507

Tgt Ion: 96 Resp: 260759
Ion Ratio Lower Upper
96 100
61 125.4 85.7 159.1
68 0.3 0.3 0.5#



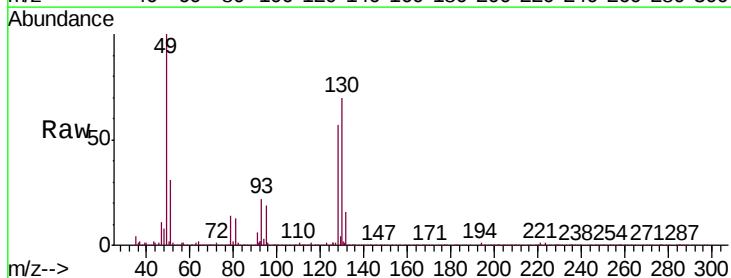
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



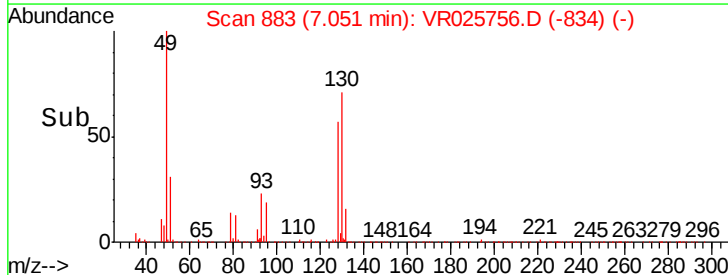
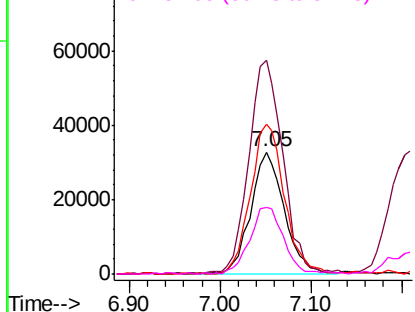
#23

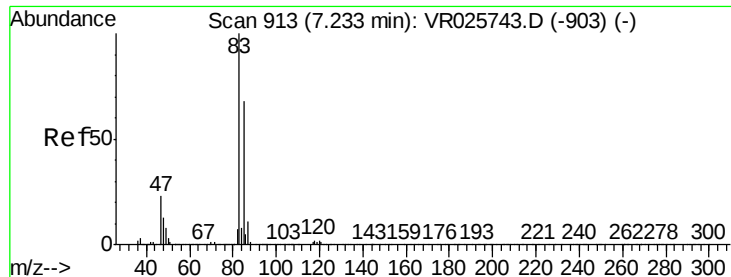
Bromochloromethane
Concen: 4.886 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Tgt Ion: 128 Resp: 82720
Ion Ratio Lower Upper
128 100
49 175.6 112.4 208.8
130 123.6 80.8 150.2
51 55.1 39.8 59.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 5.000 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

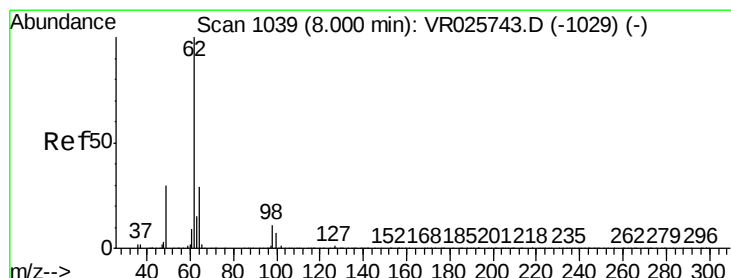
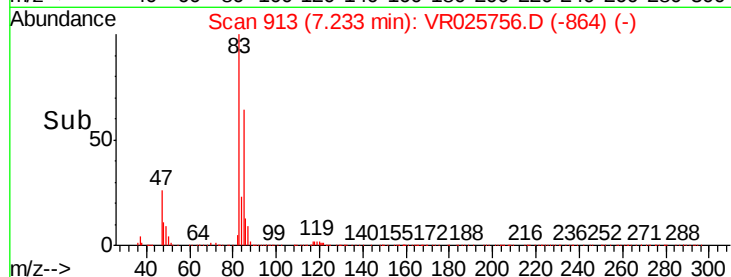
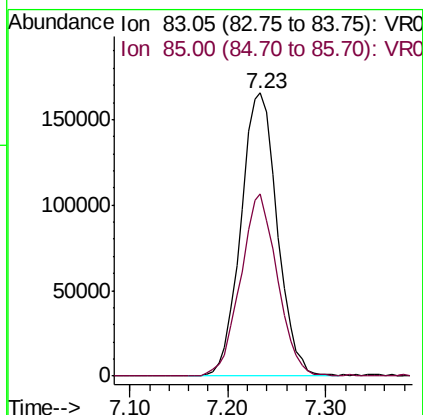
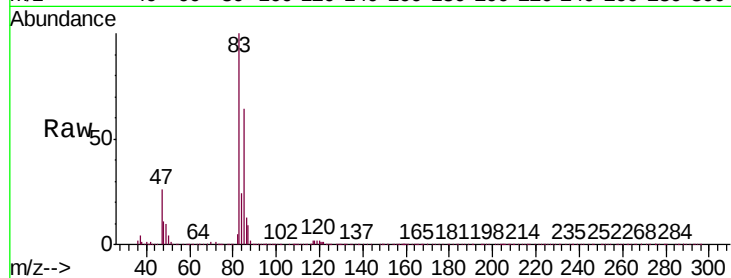
VSTD00507

Tgt Ion: 83 Resp: 426059

Ion Ratio Lower Upper

83 100

85 64.5 47.7 88.7



#27

1,2-Dichloroethane

Concen: 5.073 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VR025756.D

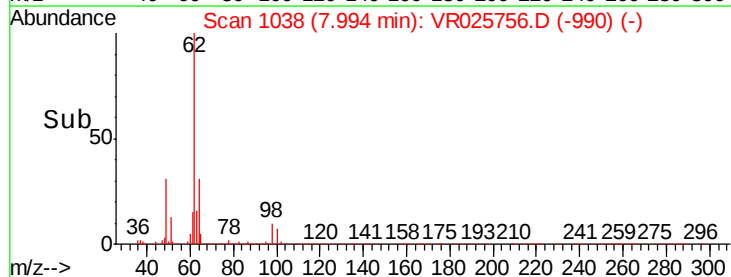
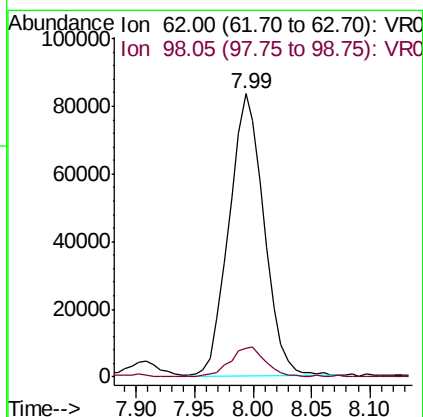
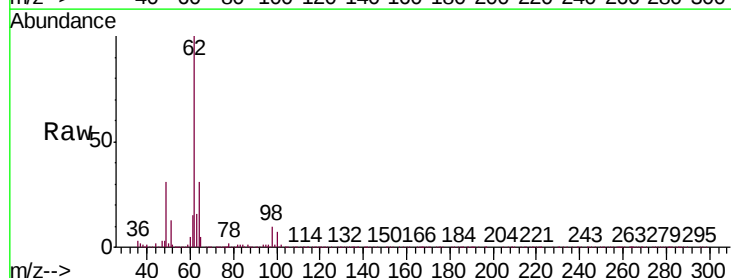
Acq: 18 Sep 2018 13:34

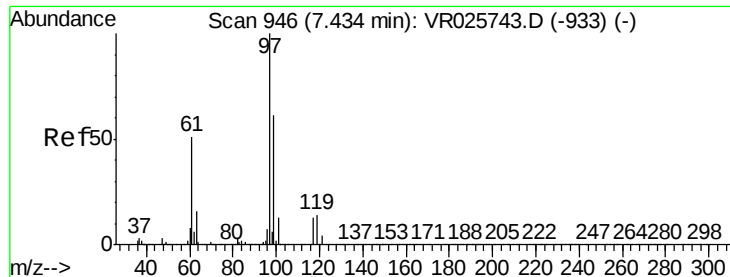
Tgt Ion: 62 Resp: 174081

Ion Ratio Lower Upper

62 100

98 10.2 9.1 13.7





#29

1,1,1-Trichloroethane

Concen: 5.033 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.01 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

VSTD00507

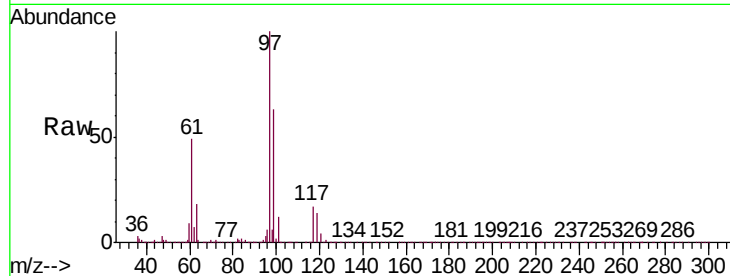
Tgt Ion: 97 Resp: 324531

Ion Ratio Lower Upper

97 100

99 63.0 50.6 75.8

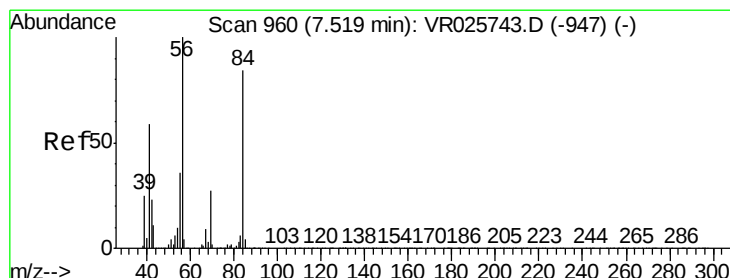
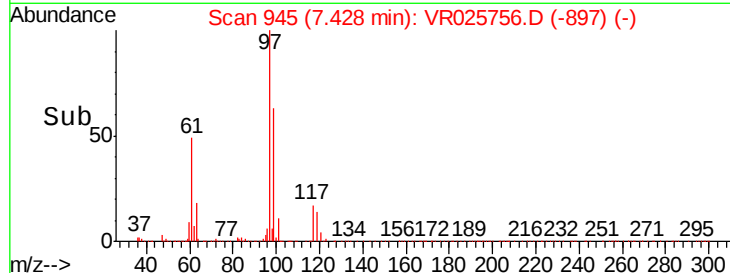
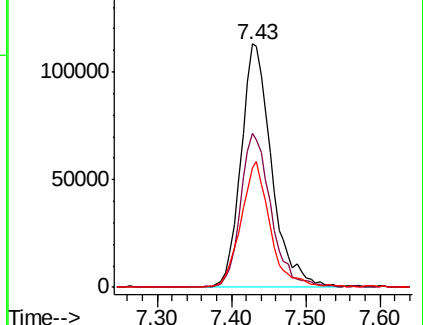
61 49.2 39.7 59.5



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: 5.329 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

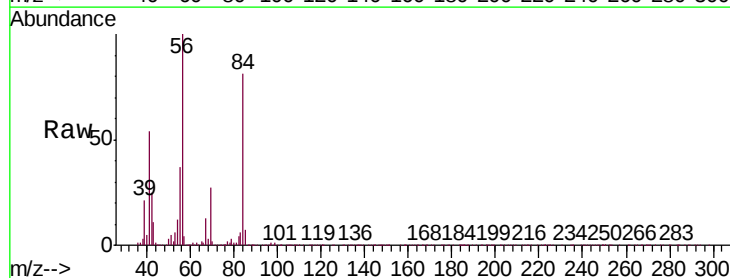
Tgt Ion: 56 Resp: 427406

Ion Ratio Lower Upper

56 100

69 30.2 22.7 34.1

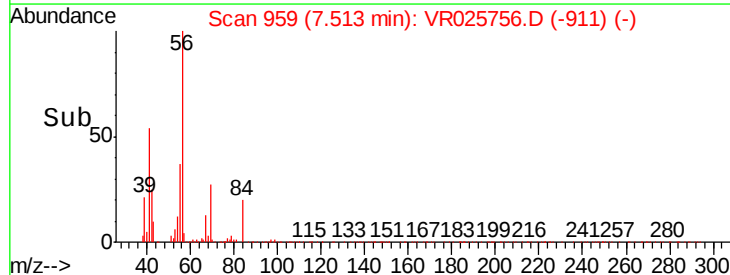
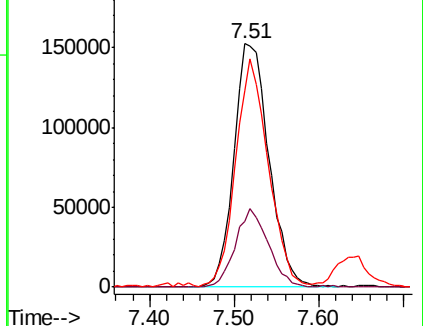
84 87.3 66.8 100.2

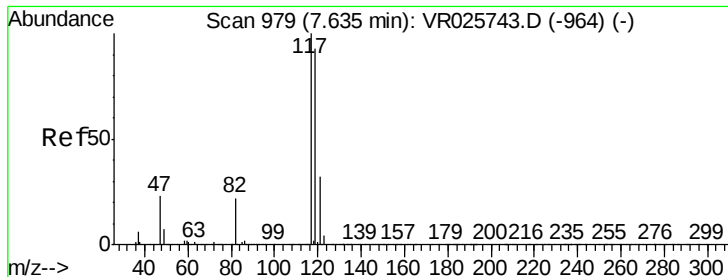


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.039 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

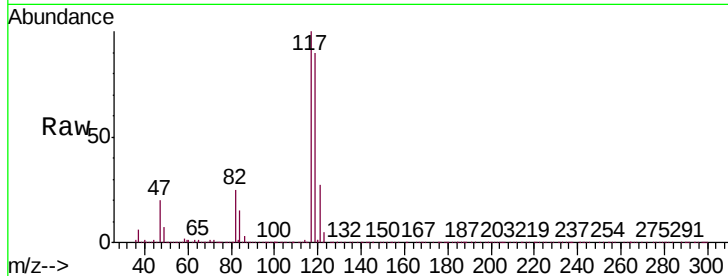
VSTD00507

Tgt Ion:117 Resp: 326330

Ion Ratio Lower Upper

117 100

119 94.7 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

150000

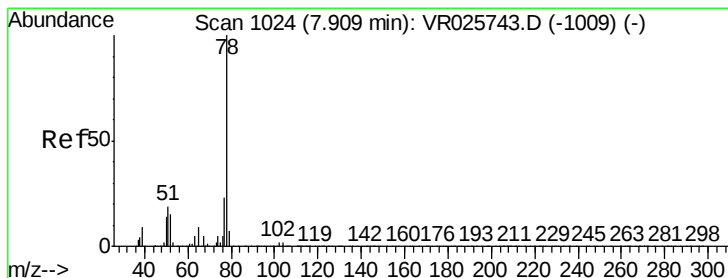
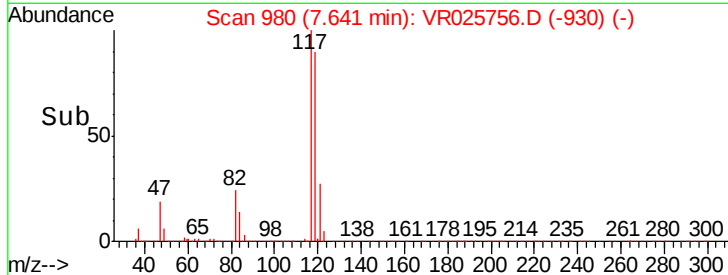
100000

50000

0

7.50 7.60 7.70

Time-->



#33

Benzene

Concen: 5.131 ug/L

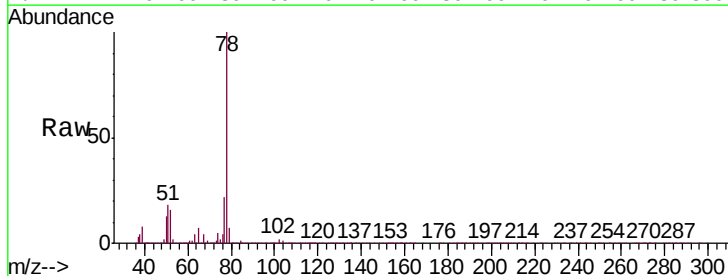
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Tgt Ion: 78 Resp: 1211541



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

600000

500000

400000

300000

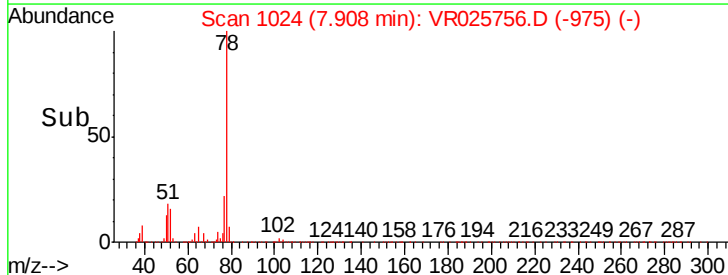
200000

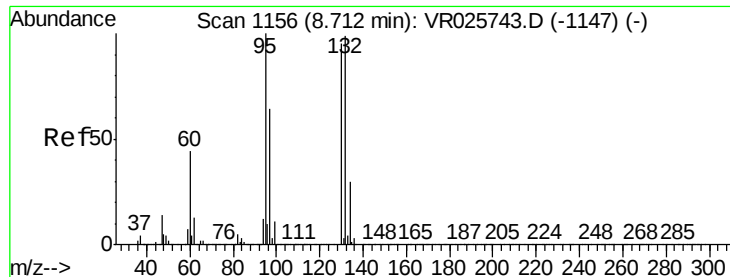
100000

0

7.80 7.90 8.00

Time-->





#34

Trichloroethene

Concen: 4.783 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

VSTD00507

Tgt Ion: 95 Resp: 267712

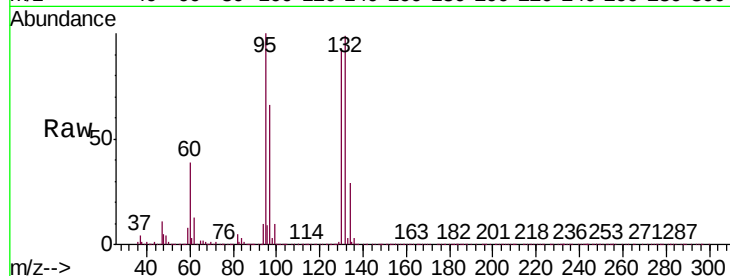
Ion Ratio Lower Upper

95 100

97 66.3 44.9 83.5

132 99.3 69.2 128.6

130 93.4 66.4 123.4

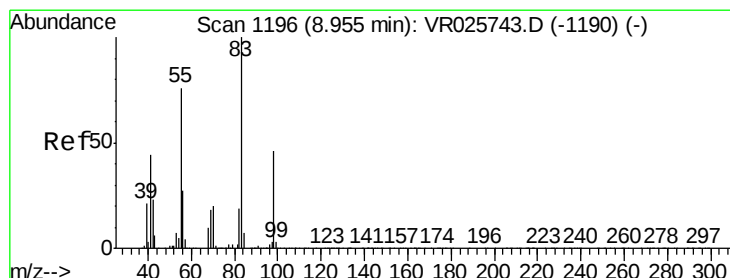
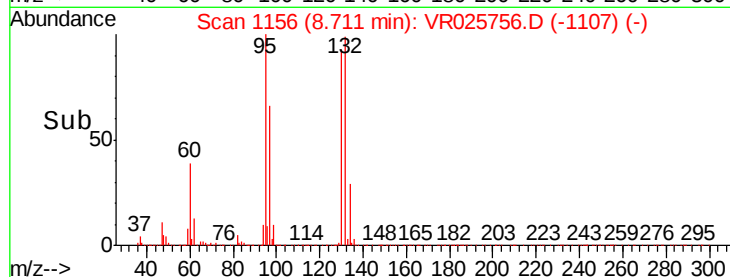
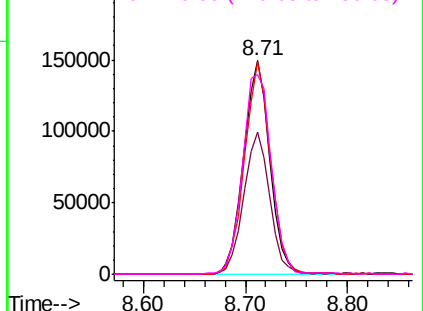


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.653 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

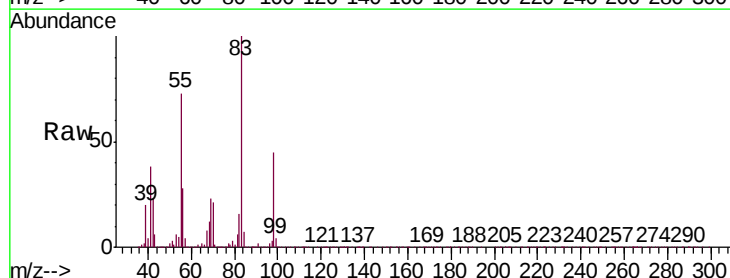
Tgt Ion: 83 Resp: 498733

Ion Ratio Lower Upper

83 100

55 71.5 60.2 90.4

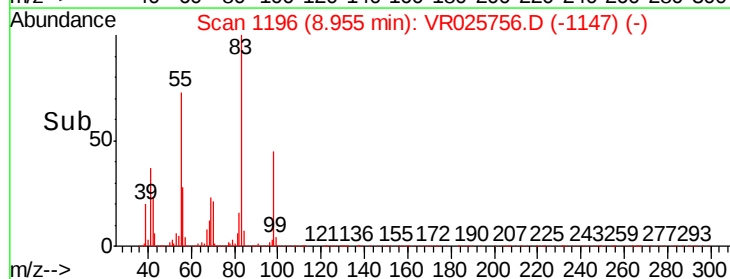
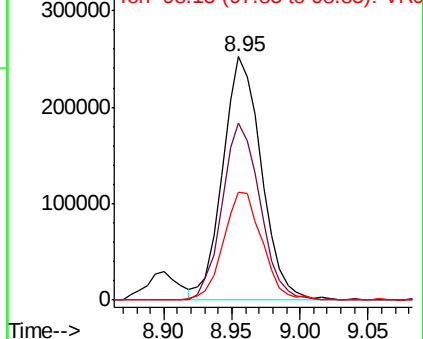
98 43.9 36.2 54.4

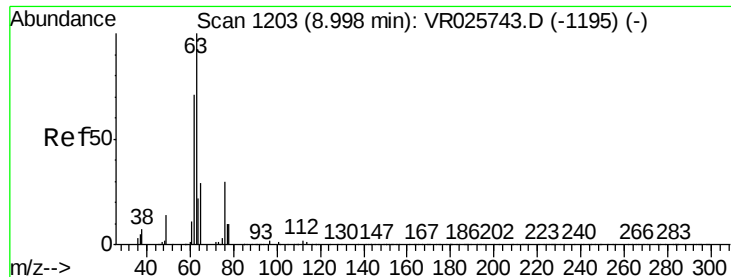


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.128 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

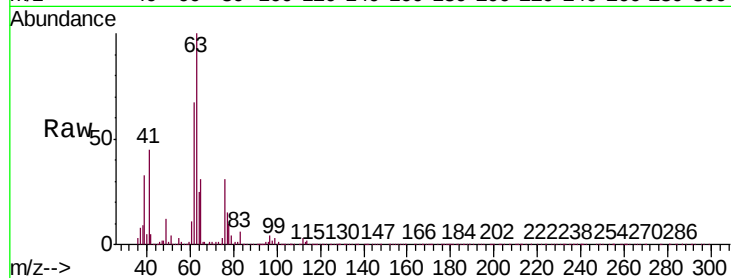
VSTD00507

Tgt Ion: 63 Resp: 267451

Ion Ratio Lower Upper

63 100

112 3.5 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

9.00

150000

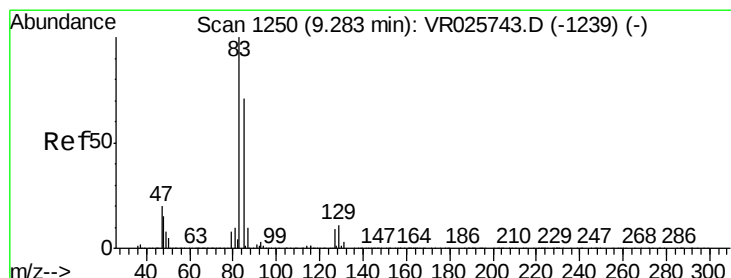
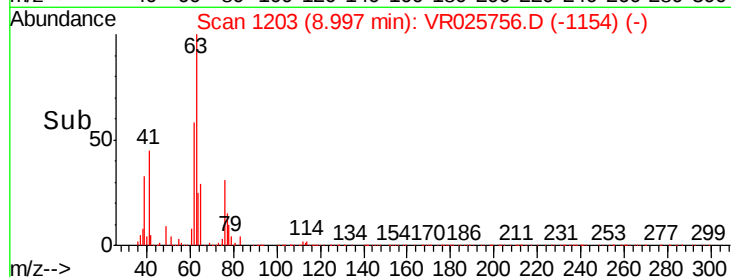
100000

50000

0

8.90 9.00 9.10

Time-->



#38

Bromodichloromethane

Concen: 5.021 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

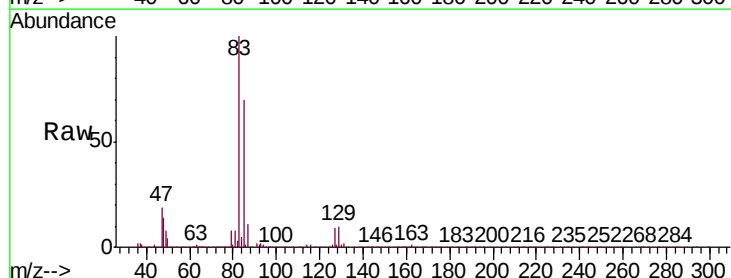
Tgt Ion: 83 Resp: 234441

Ion Ratio Lower Upper

83 100

85 69.6 49.9 92.7

127 9.5 7.6 11.4



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

150000

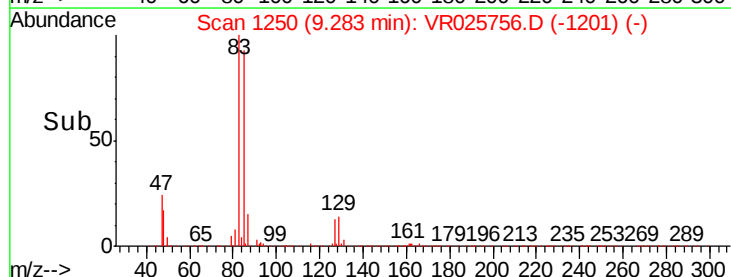
100000

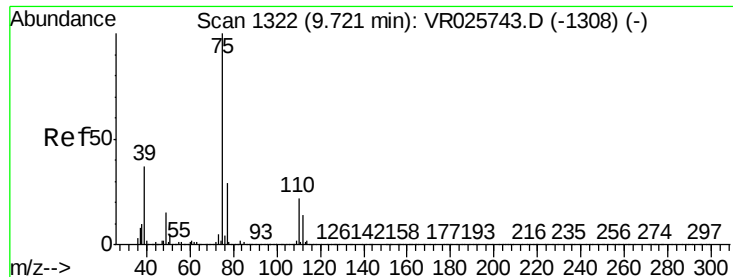
50000

0

9.20 9.25 9.30 9.35

Time-->

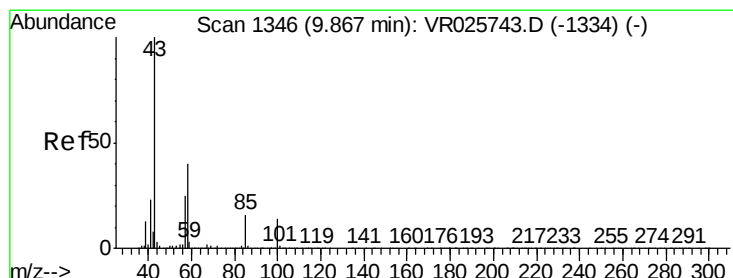
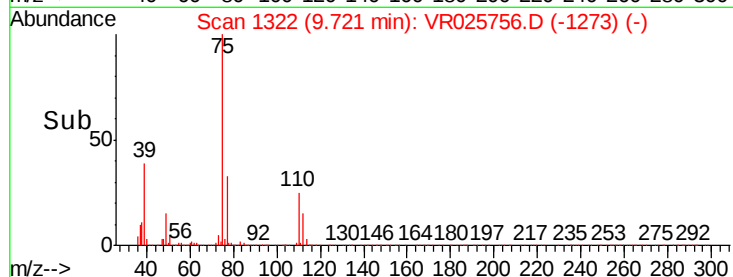
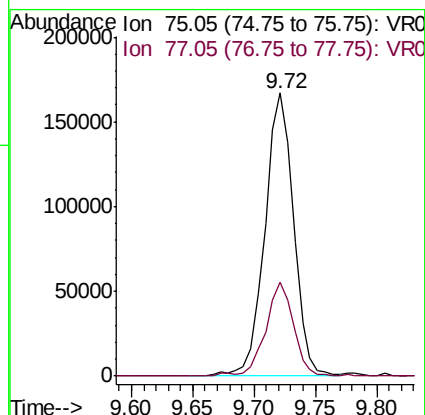
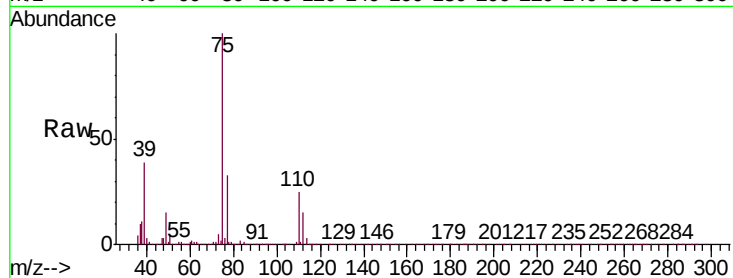




#39
 cis-1,3-Dichloropropene
 Concen: 5.365 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

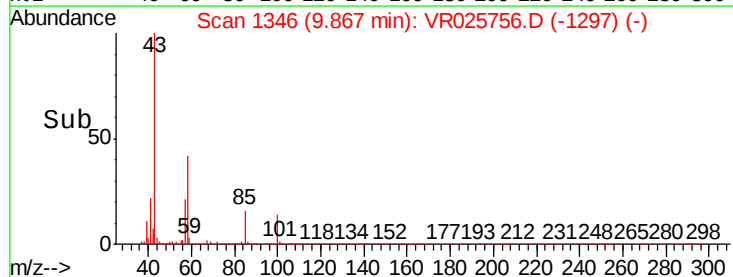
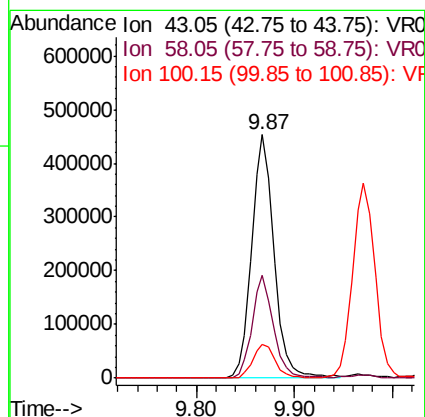
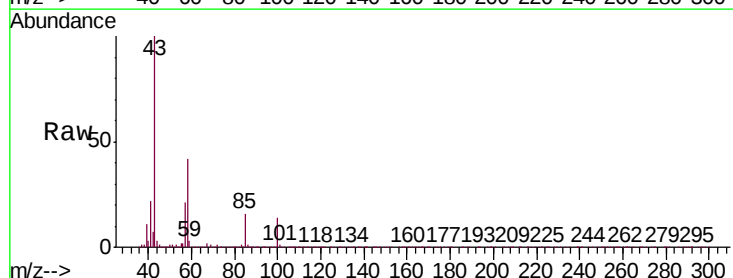
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

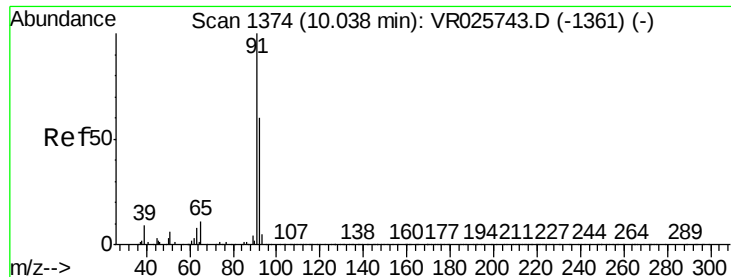
Tgt Ion: 75 Resp: 272818
 Ion Ratio Lower Upper
 75 100
 77 33.0 20.4 37.8



#40
 4-Methyl-2-pentanone
 Concen: 56.298 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

Tgt Ion: 43 Resp: 719380
 Ion Ratio Lower Upper
 43 100
 58 40.2 30.1 45.1
 100 13.9 10.2 15.2





#42

Toluene

Concen: 5.441 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

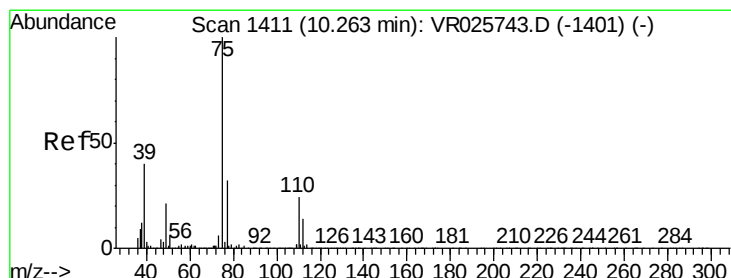
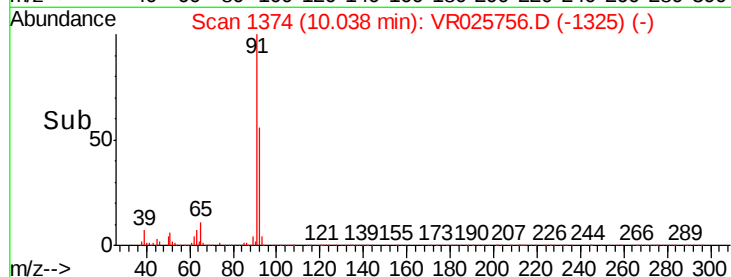
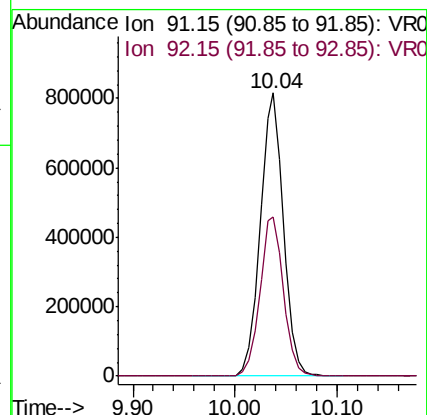
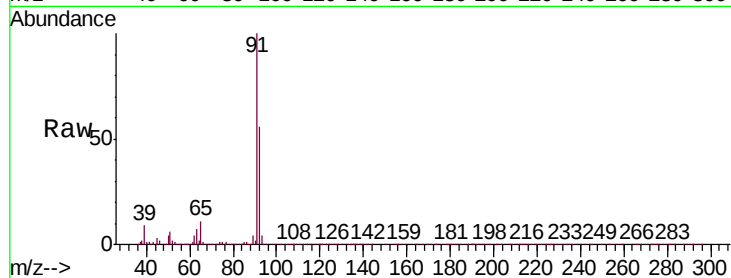
VSTD00507

Tgt Ion: 91 Resp: 1293044

Ion Ratio Lower Upper

91 100

92 56.2 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 5.500 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025756.D

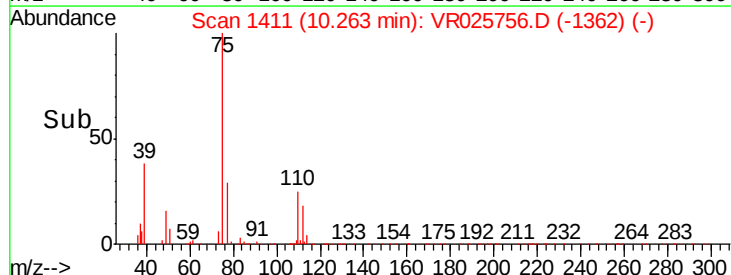
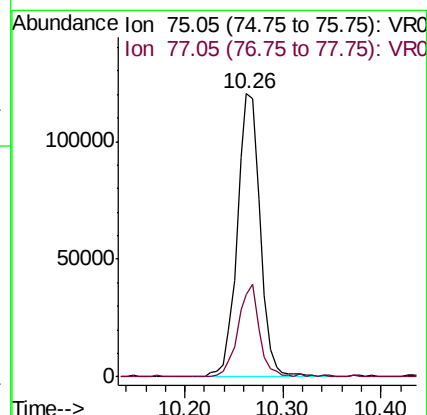
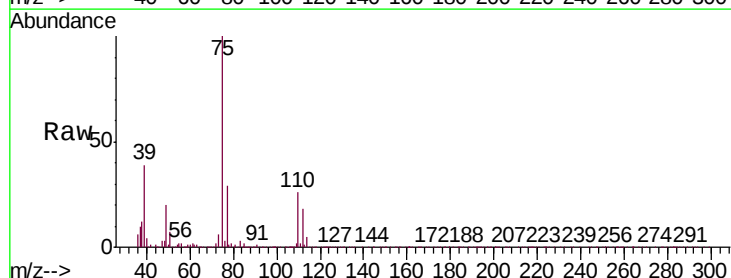
Acq: 18 Sep 2018 13:34

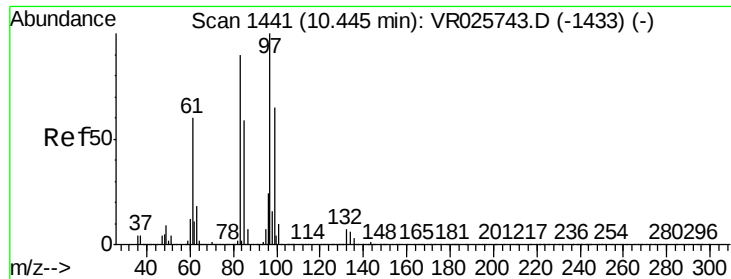
Tgt Ion: 75 Resp: 195924

Ion Ratio Lower Upper

75 100

77 29.2 22.7 42.1

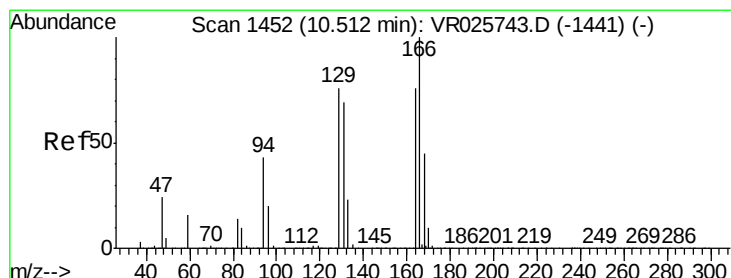
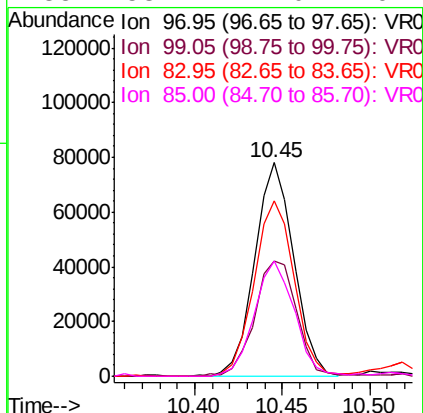
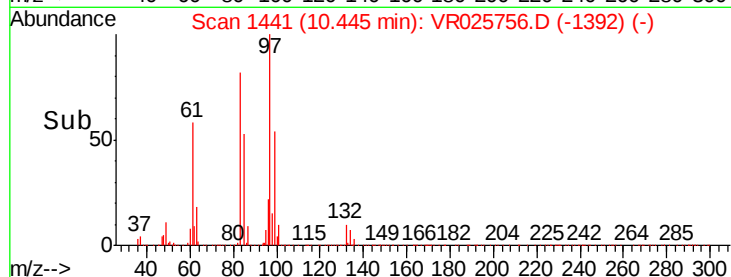
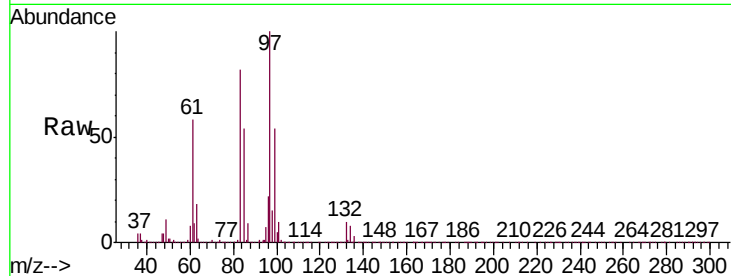




#45
 1,1,2-Trichloroethane
 Concen: 5.241 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

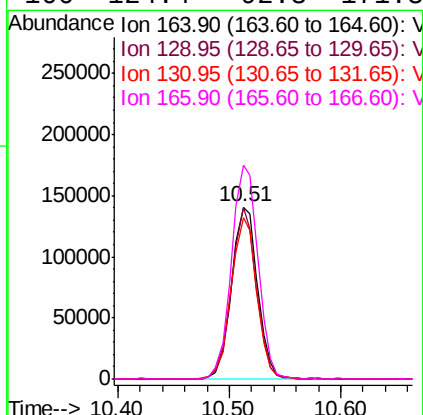
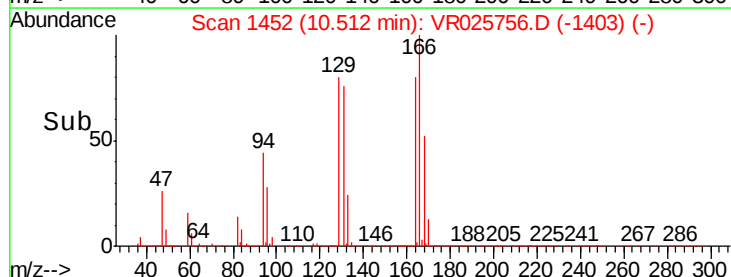
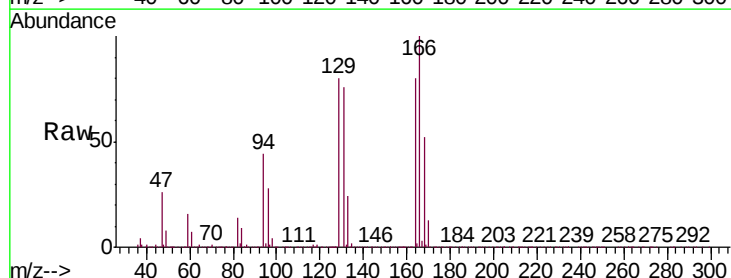
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

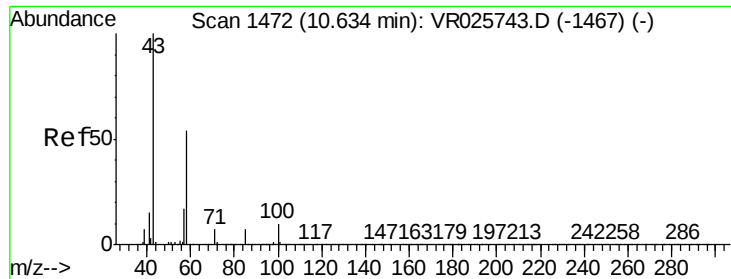
Tgt Ion:	97	Resp:	120201
Ion	Ratio	Lower	Upper
97	100		
99	54.2	45.4	84.2
83	81.9	63.2	117.4
85	53.7	41.0	76.2



#47
 Tetrachloroethene
 Concen: 5.274 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

Tgt Ion:	164	Resp:	225429
Ion	Ratio	Lower	Upper
164	100		
129	99.6	70.2	130.4
131	94.2	63.3	117.5
166	124.4	92.3	171.3

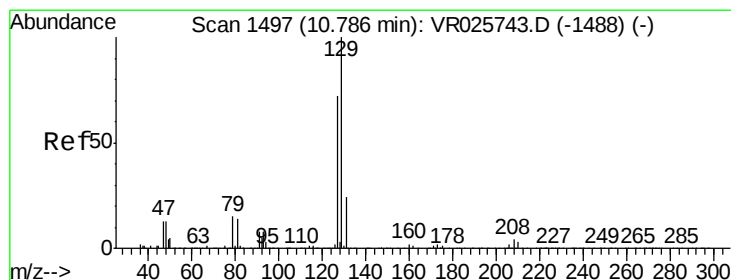
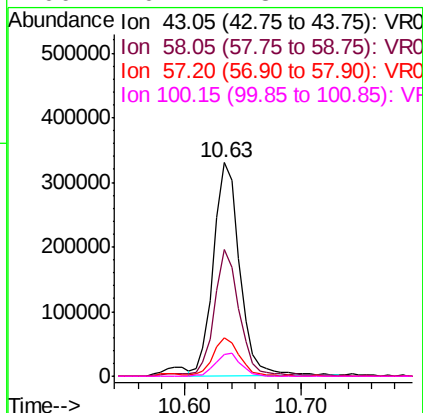
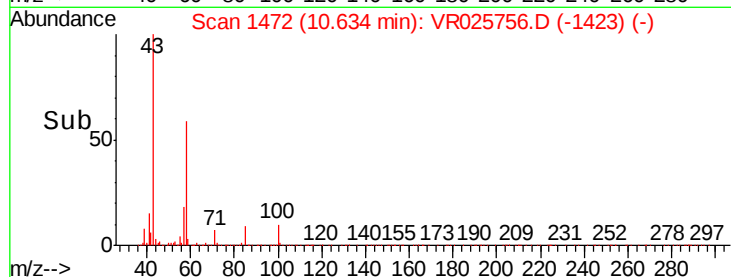
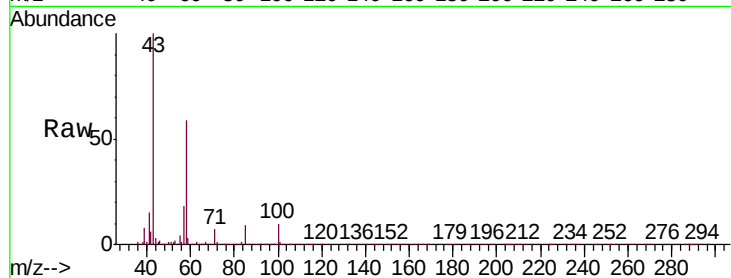




#48
2-Hexanone
Concen: 55.185 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

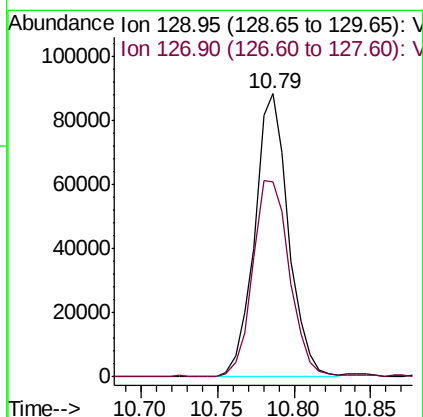
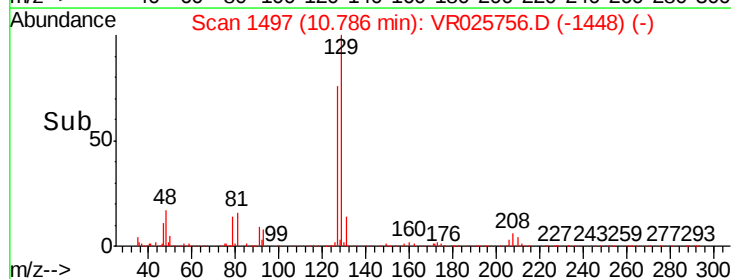
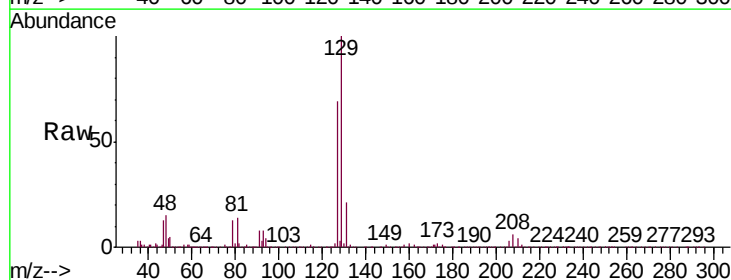
Instrument :
MSVOA_R
ClientSampleId :
VSTD00507

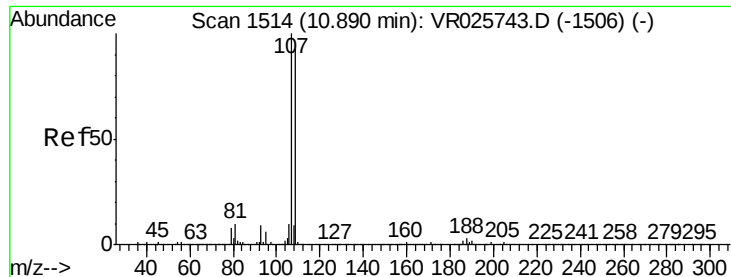
Tgt Ion:	43	Resp:	511393
Ion	Ratio	Lower	Upper
43	100		
58	57.9	44.4	66.6
57	18.1	14.0	21.0
100	10.7	8.2	12.2



#49
Dibromochloromethane
Concen: 5.295 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Tgt Ion:	129	Resp:	135192
Ion	Ratio	Lower	Upper
129	100		
127	69.1	50.3	93.5

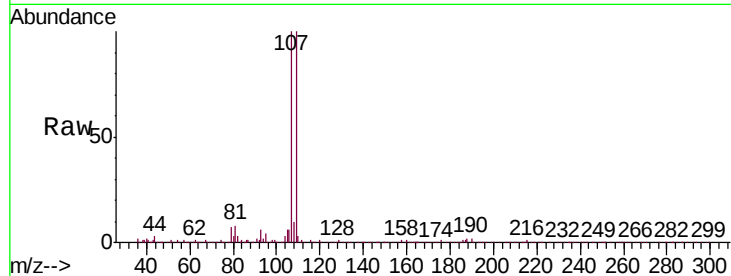




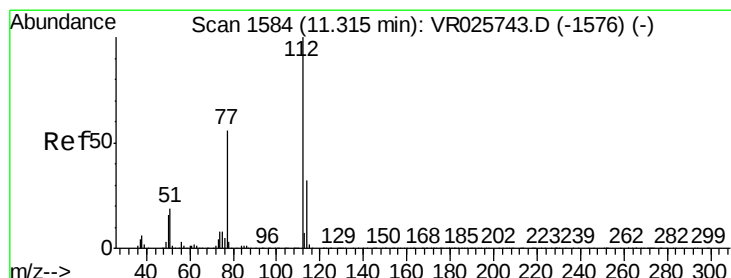
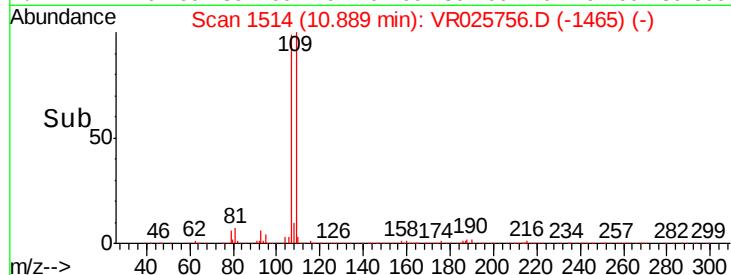
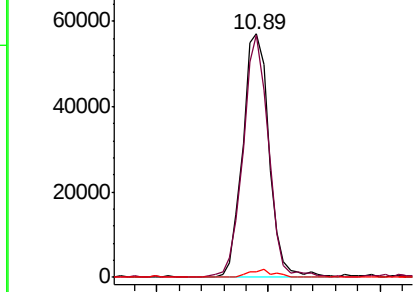
#50
1,2-Dibromoethane
Concen: 4.983 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Instrument :
MSVOA_R
ClientSampleId :
VSTD00507

Tgt Ion:	107	Resp:	94413
Ion	Ratio	Lower	Upper
107	100		
109	99.6	65.2	121.2
188	2.4	2.1	3.1

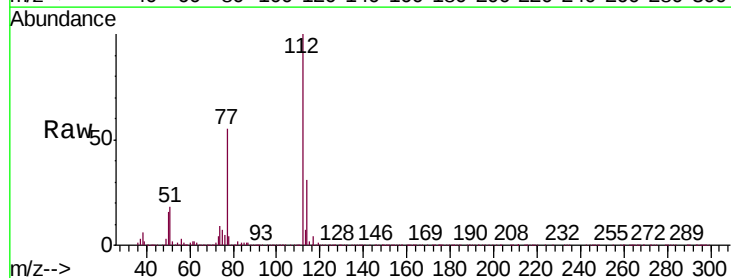


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

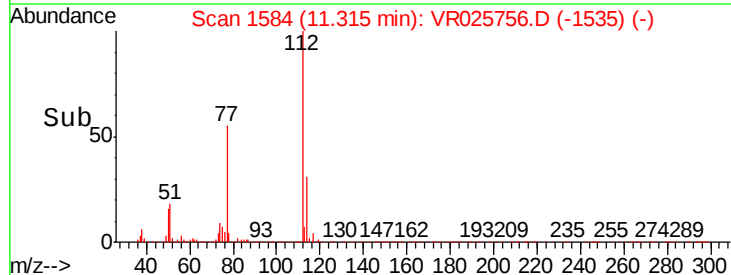
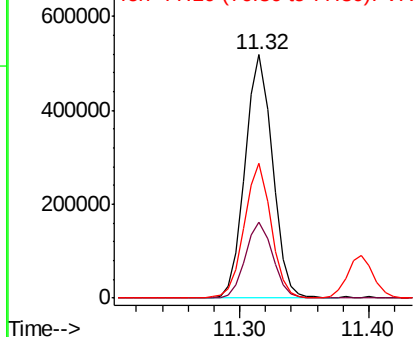


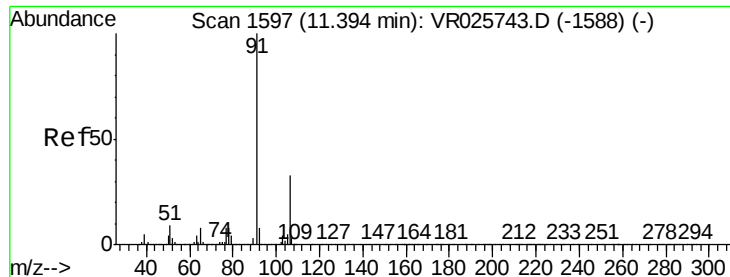
#51
Chlorobenzene
Concen: 5.202 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Tgt Ion:	112	Resp:	760149
Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.5	41.7
77	55.2	45.0	67.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 5.489 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

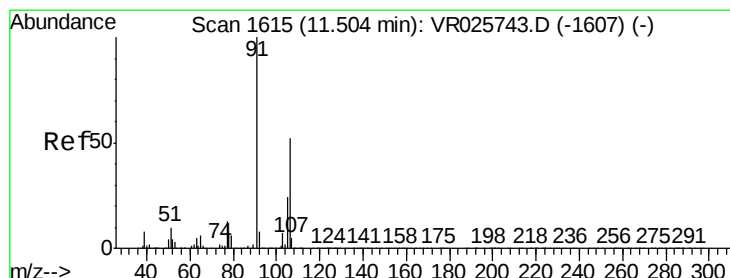
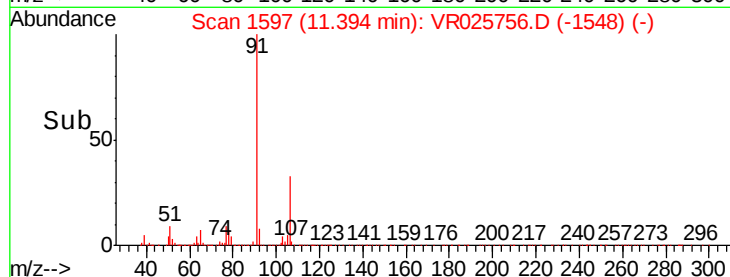
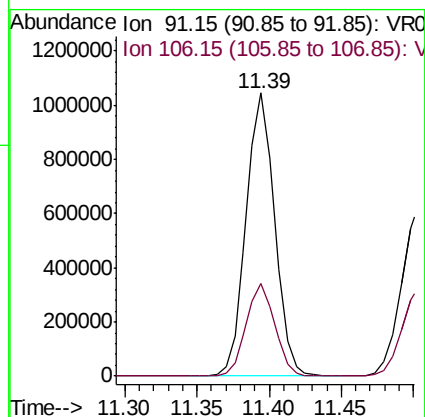
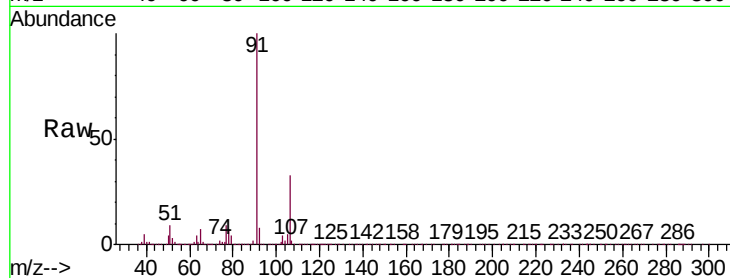
VSTD00507

Tgt Ion: 91 Resp: 1436879

Ion Ratio Lower Upper

91 100

106 32.7 23.0 42.8



#53

m,p-Xylene

Concen: 5.484 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025756.D

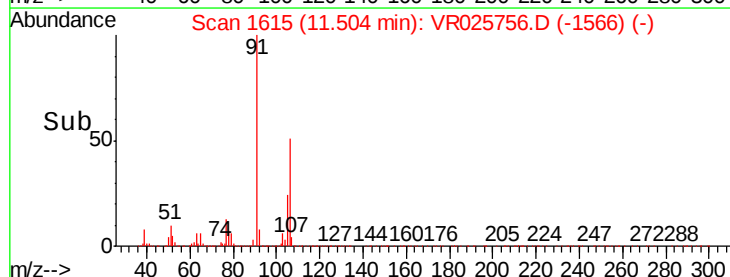
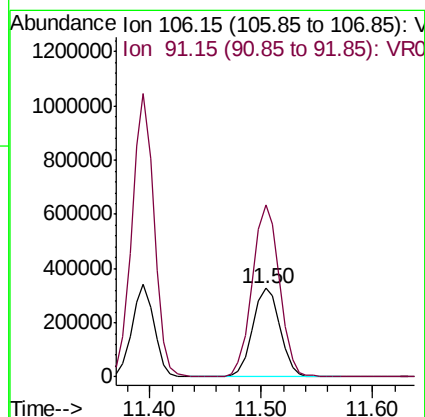
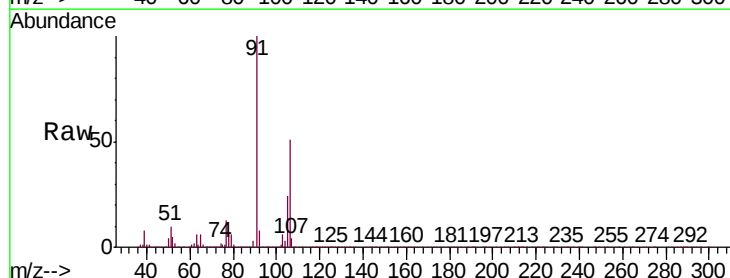
Acq: 18 Sep 2018 13:34

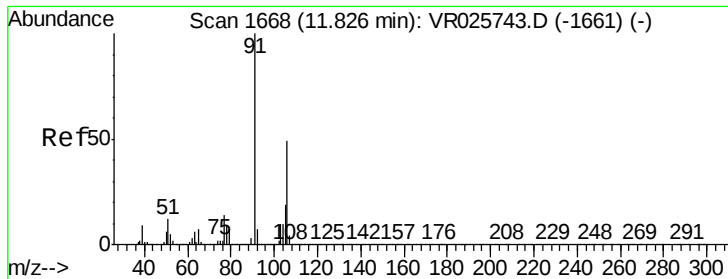
Tgt Ion: 106 Resp: 560260

Ion Ratio Lower Upper

106 100

91 194.2 134.1 249.0

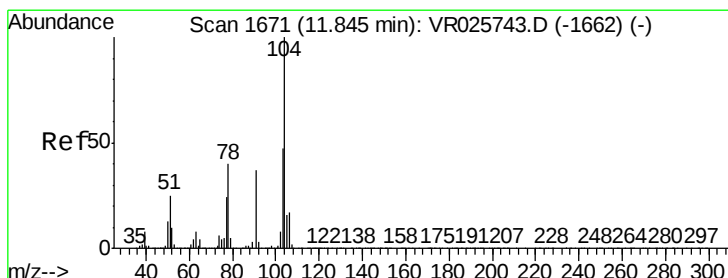
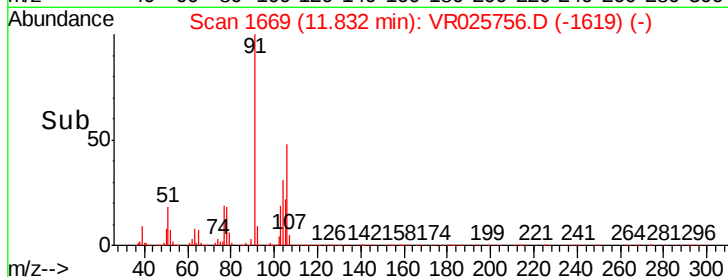
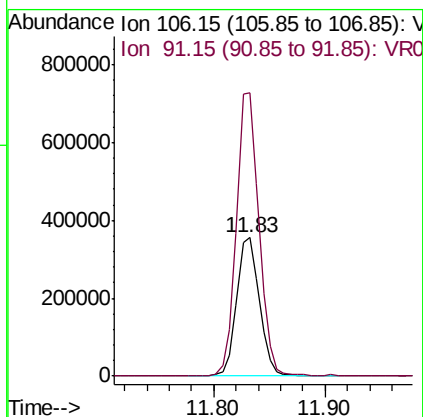
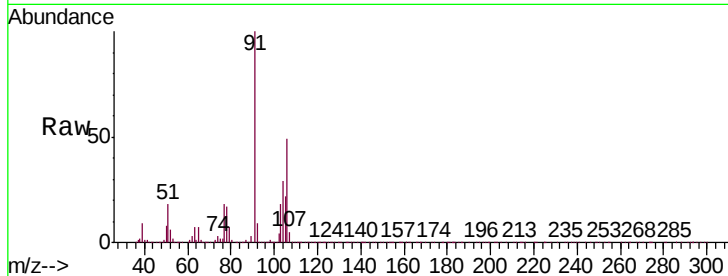




#54
o-Xylene
Concen: 5.652 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

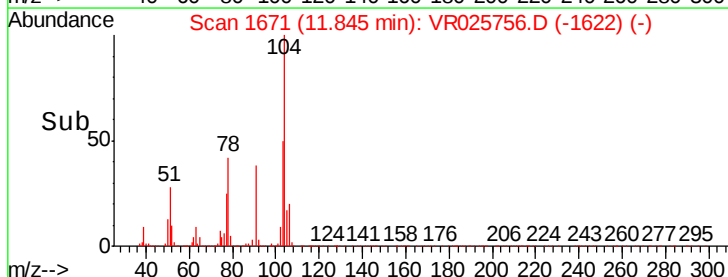
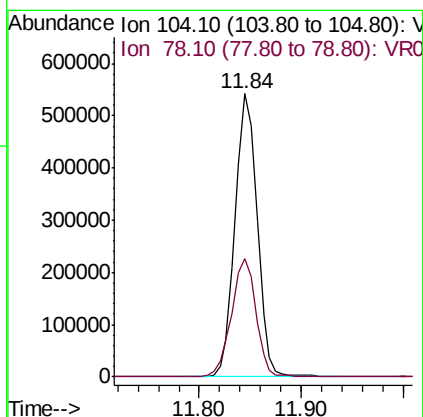
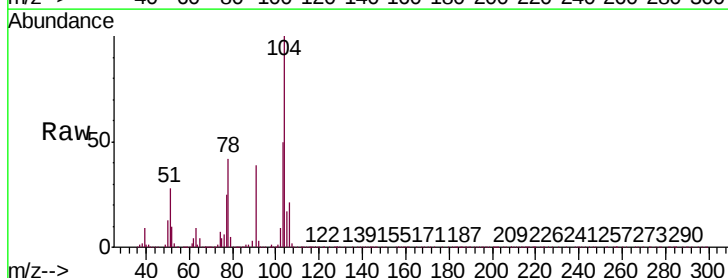
Instrument :
MSVOA_R
ClientSampleId :
VSTD00507

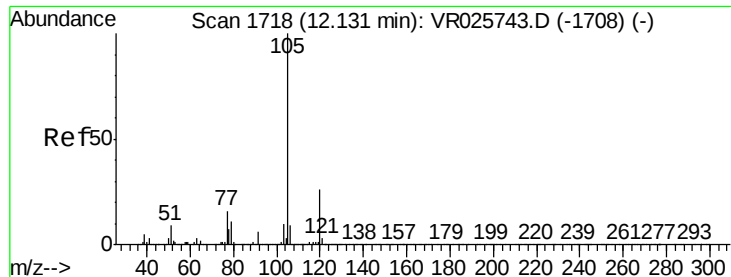
Tgt Ion:106 Resp: 503808
Ion Ratio Lower Upper
106 100
91 204.5 141.7 263.1



#55
Styrene
Concen: 5.583 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025756.D
Acq: 18 Sep 2018 13:34

Tgt Ion:104 Resp: 812290
Ion Ratio Lower Upper
104 100
78 41.6 28.2 52.4





#56

Isopropylbenzene

Concen: 5.824 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampled :

VSTD00507

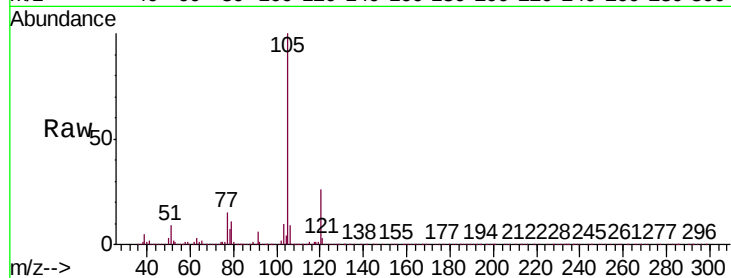
Tgt Ion: 105 Resp: 1374521

Ion Ratio Lower Upper

105 100

120 27.2 22.1 33.1

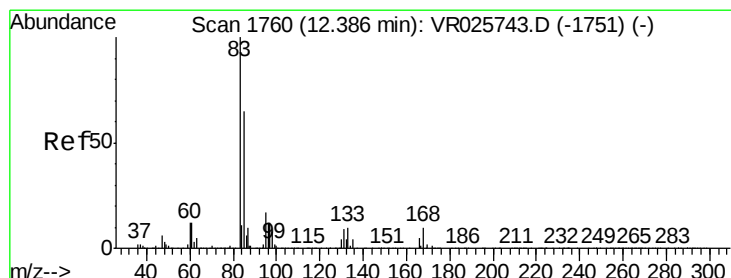
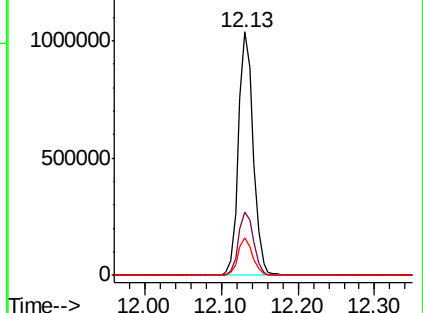
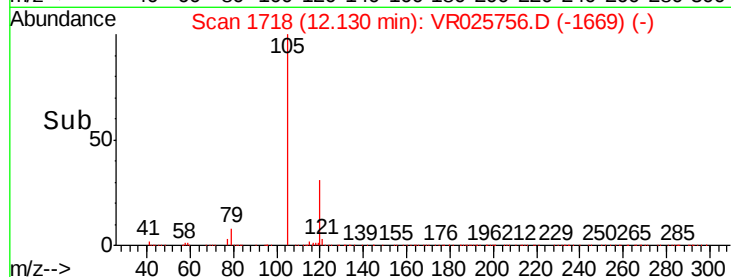
77 14.9 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.074 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

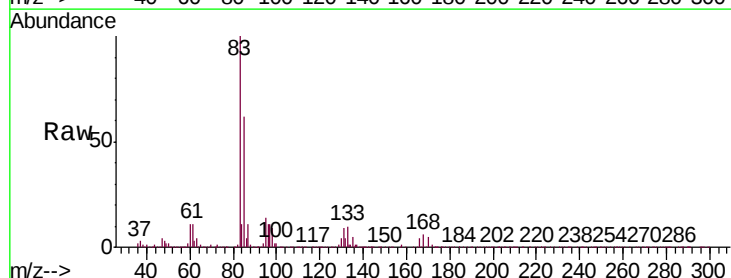
Tgt Ion: 83 Resp: 123032

Ion Ratio Lower Upper

83 100

85 62.4 45.7 84.9

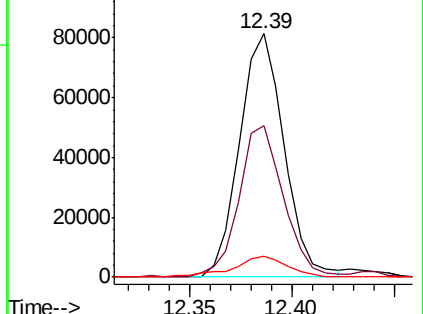
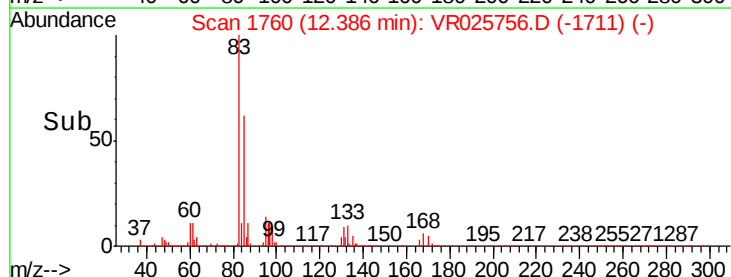
131 8.7 7.6 11.4

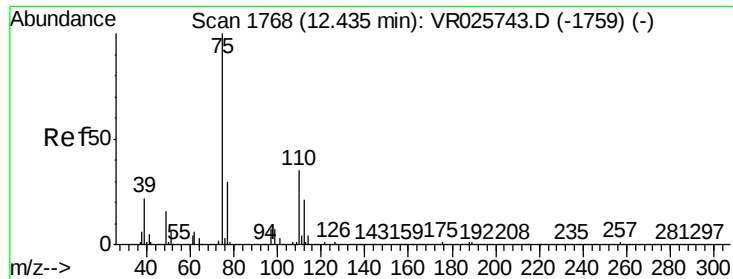


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

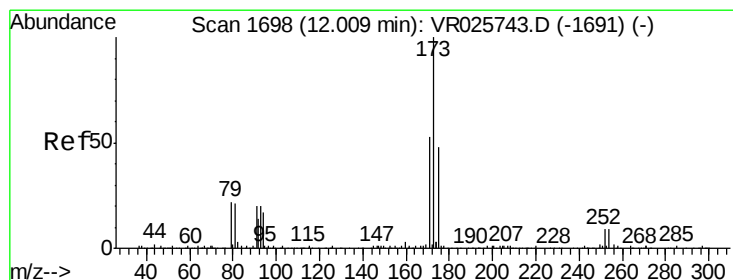
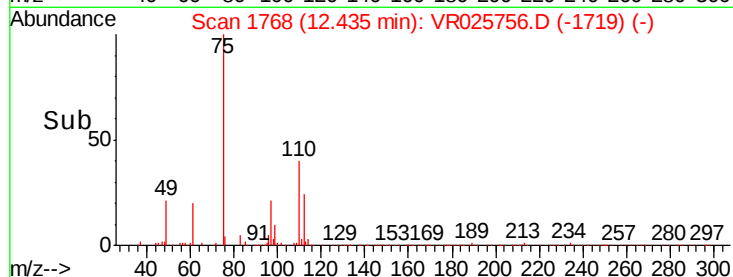
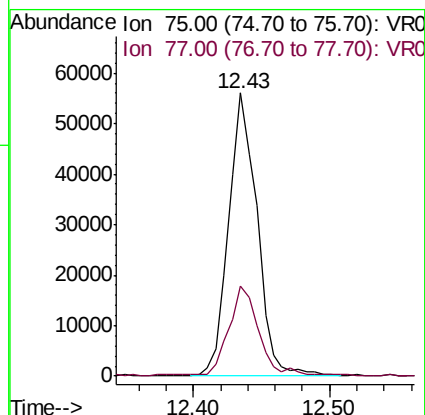
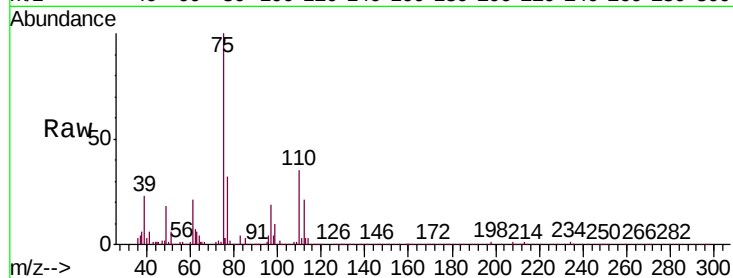




#59
 1,2,3-Trichloropropane
 Concen: 4.957 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

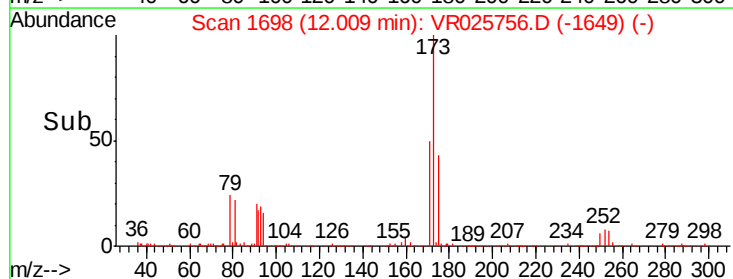
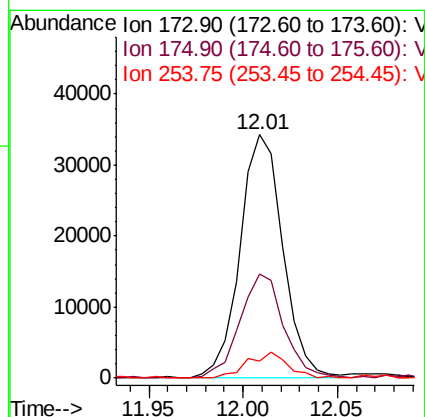
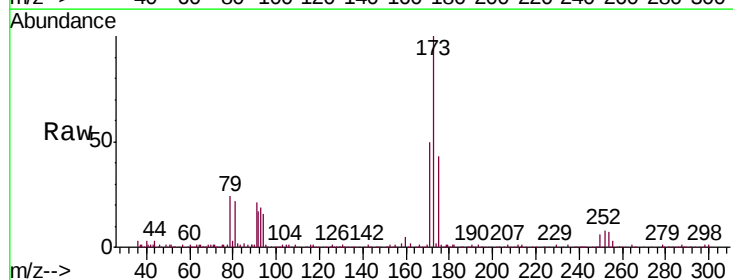
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

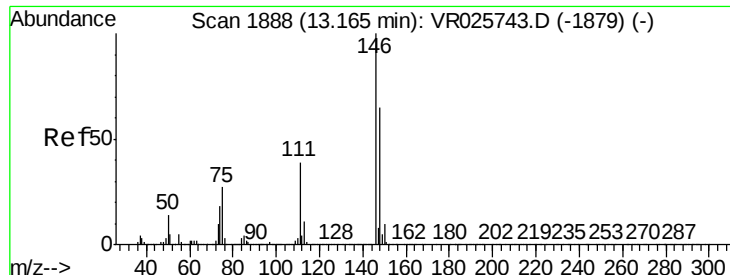
Tgt Ion: 75 Resp: 81777
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.3 37.9



#61
 Bromoform
 Concen: 4.706 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

Tgt Ion: 173 Resp: 53969
 Ion Ratio Lower Upper
 173 100
 175 44.0 43.2 64.8
 254 10.1 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 4.793 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

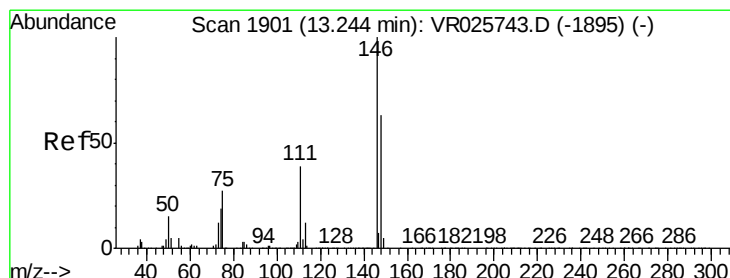
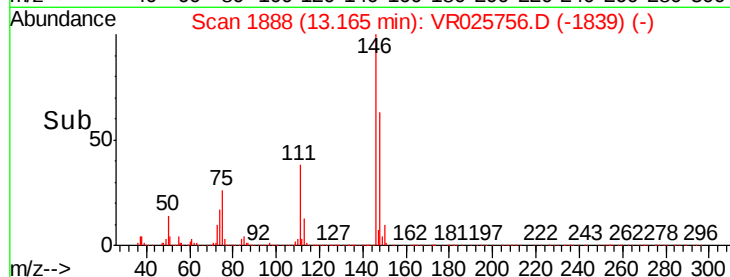
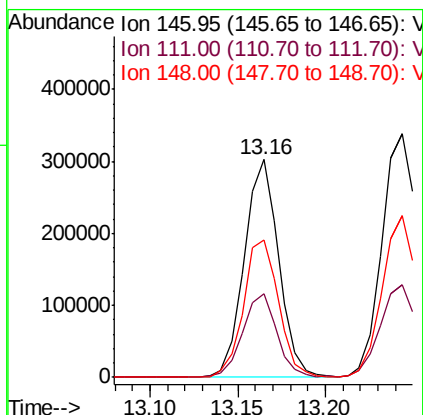
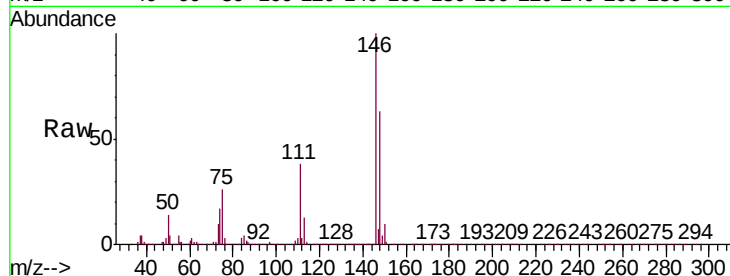
Instrument :

MSVOA_R

ClientSampleId :

VSTD00507

Tgt Ion:	146	Resp:	414003
Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.0	50.2
148	62.9	45.5	84.5



#63

1,4-Dichlorobenzene

Concen: 4.904 ug/L

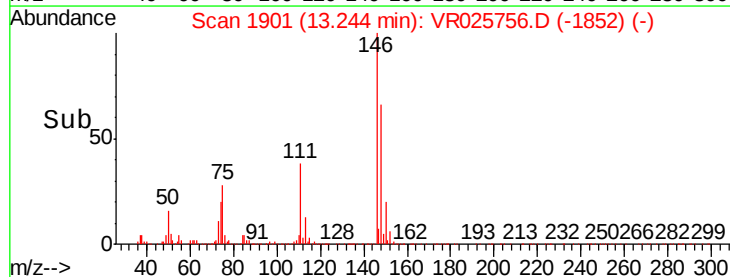
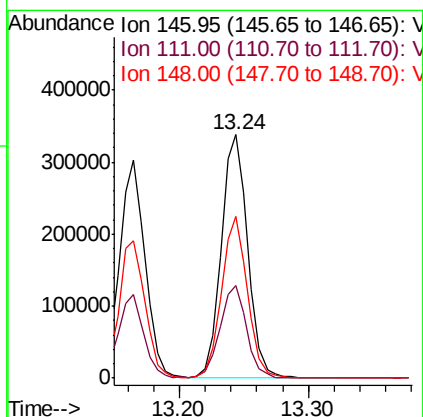
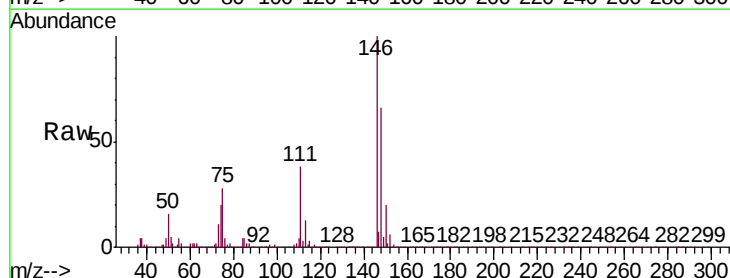
RT: 13.24 min Scan# 1901

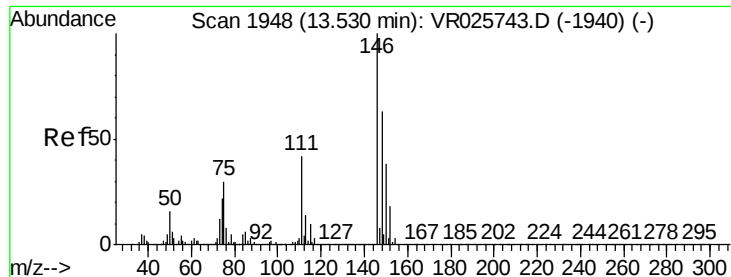
Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Tgt Ion:	146	Resp:	485502
Ion	Ratio	Lower	Upper
146	100		
111	37.8	27.4	50.8
148	66.3	44.4	82.5

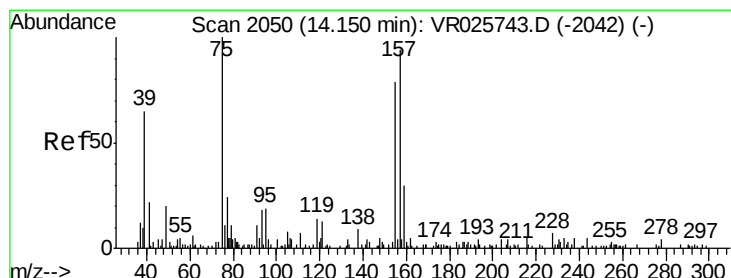
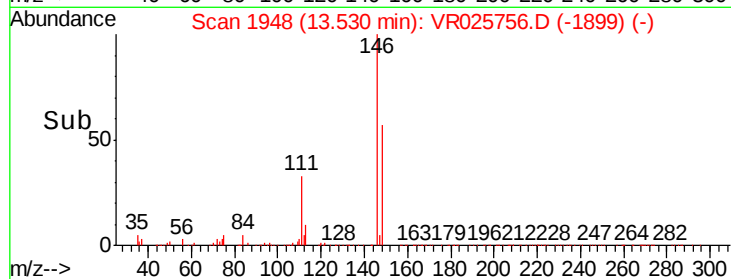
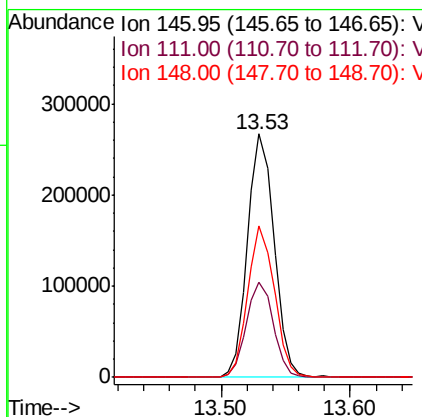
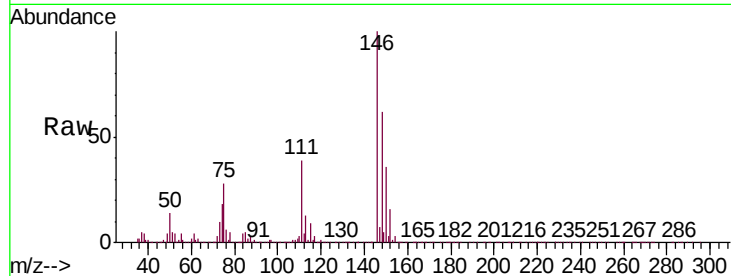




#65
 1,2-Dichlorobenzene
 Concen: 4.992 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

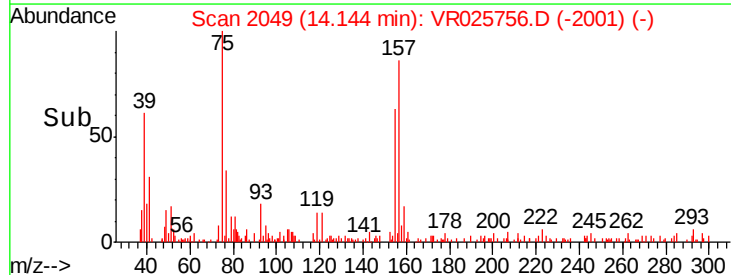
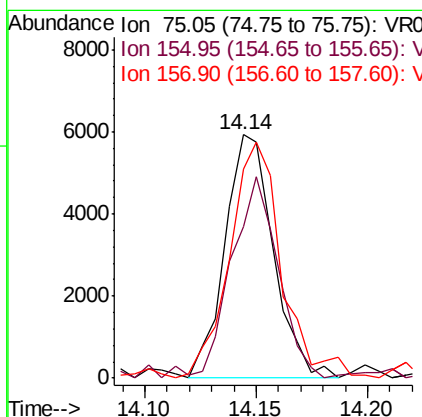
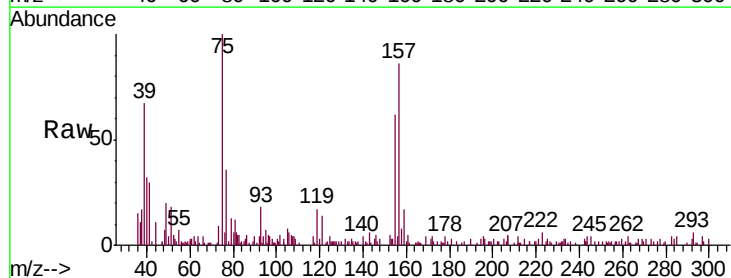
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

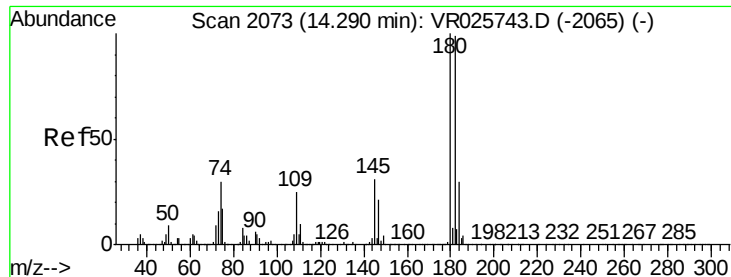
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	33.8	50.6
148	62.3	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.198 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.3	63.6	95.4#
157	85.9	75.0	112.6

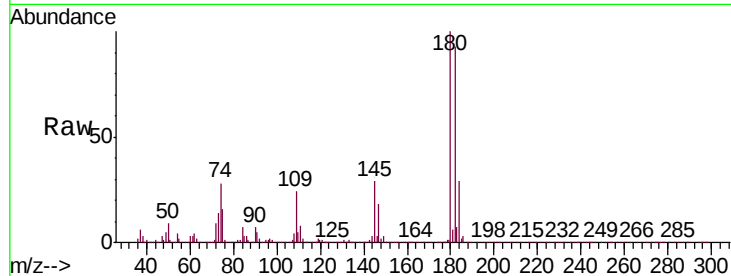




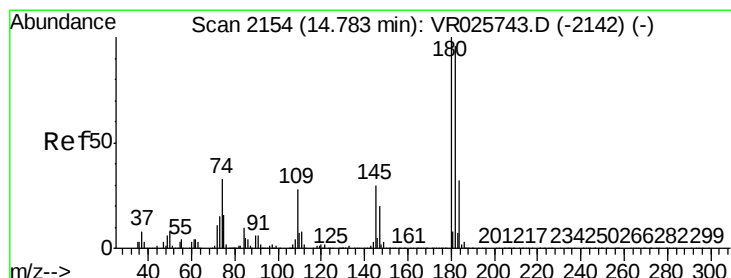
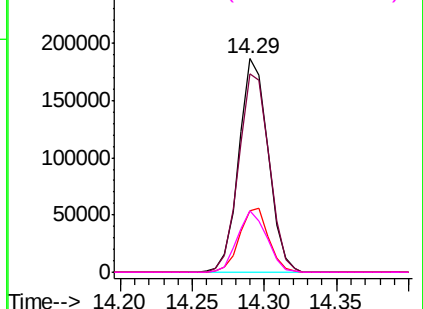
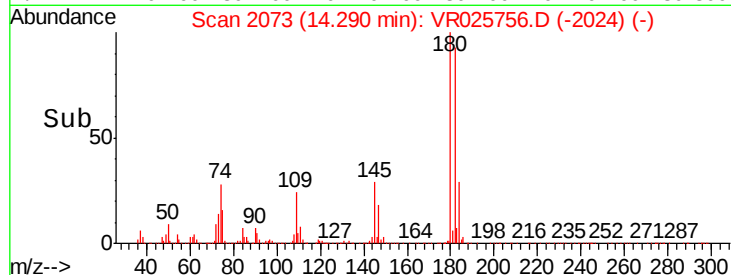
#67
 1,3,5-Trichlorobenzene
 Concen: 5.091 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

Tgt Ion:	180	Resp:	263716
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.8	116.8
184	29.6	25.0	37.4
145	28.9	24.4	36.6

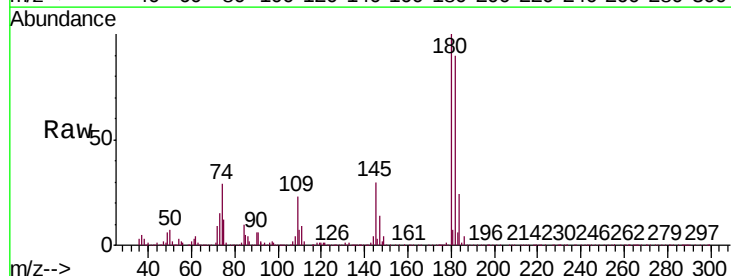


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

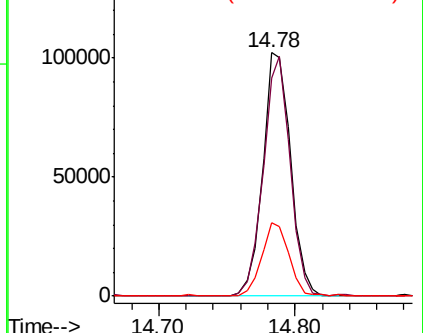
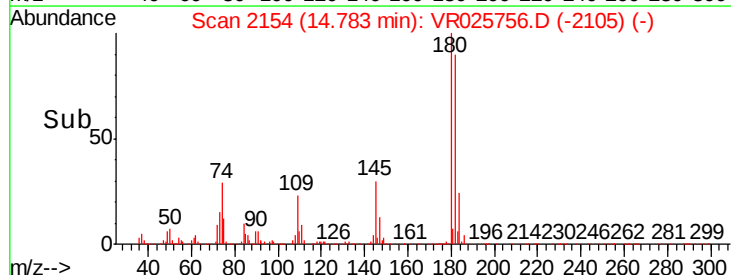


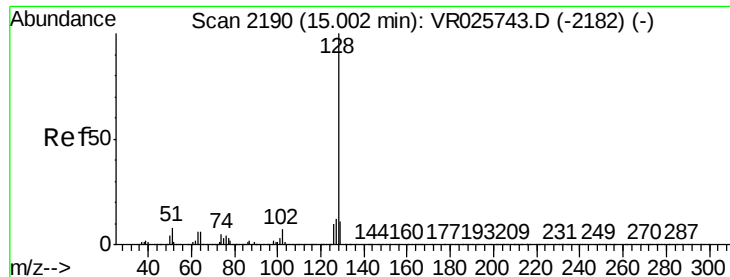
#68
 1,2,4-trichlorobenzene
 Concen: 4.805 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025756.D
 Acq: 18 Sep 2018 13:34

Tgt Ion:	180	Resp:	147332
Ion Ratio	Lower	Upper	
180	100		
182	94.5	79.2	118.8
145	30.1	24.0	36.0



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





#69

Naphthalene

Concen: 4.407 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

Instrument :

MSVOA_R

ClientSampleId :

VSTD00507

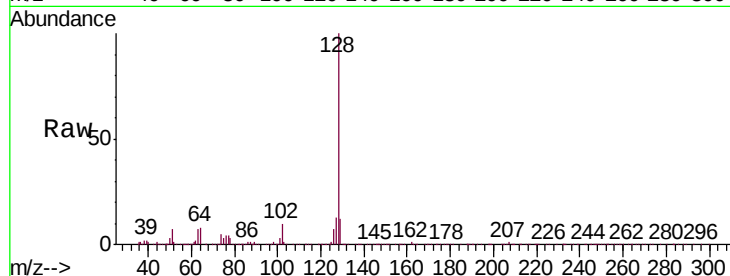
Tgt Ion:128 Resp: 152077

Ion Ratio Lower Upper

128 100

127 13.8 9.8 14.6

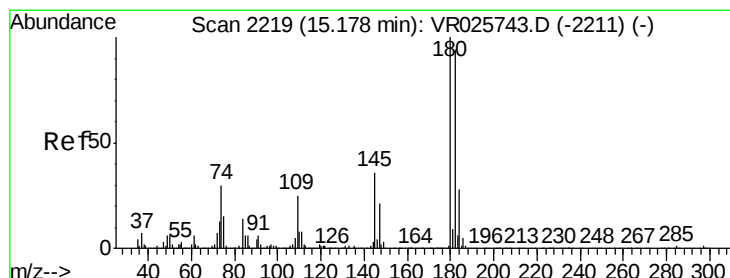
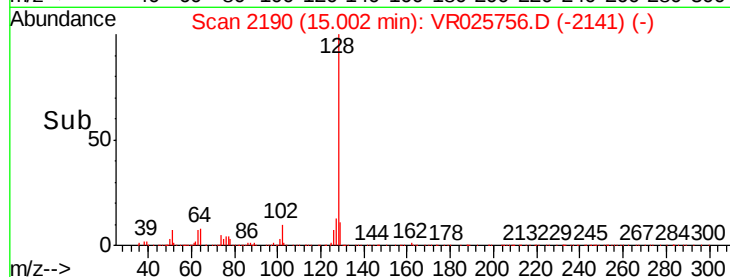
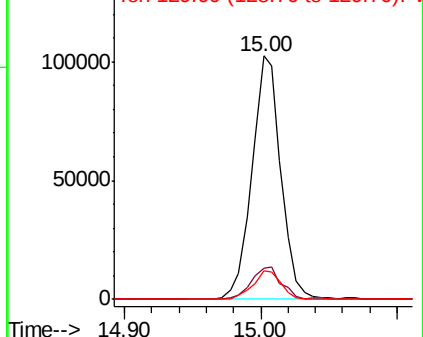
129 11.6 9.3 13.9



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: 5.124 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025756.D

Acq: 18 Sep 2018 13:34

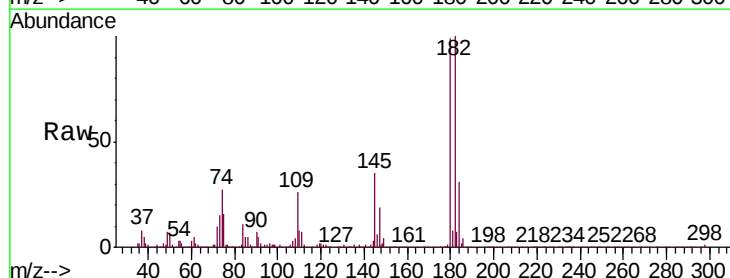
Tgt Ion:180 Resp: 121158

Ion Ratio Lower Upper

180 100

182 95.1 77.8 116.8

145 33.7 27.3 40.9



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

