

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080718\
 Data File : VR025585.D
 Acq On : 7 Aug 2018 19:56
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Quant Time: Aug 08 02:02:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 02:00:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	478098	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	431297	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	200276	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	158014	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	2.63	69	123915	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	3.63	63	375547	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.80%
20) 2-Butanone-d5	6.60	46	143474	58.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.18%
24) Chloroform-d	7.21	84	266499	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	7.90	65	98054	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.40%
32) Benzene-d6	7.86	84	624319	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	8.90	67	163295	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	9.97	98	610408	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	10.24	79	40274	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	10.59	63	162526	65.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.96%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	83053	6.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.00%#
64) 1,2-Dichlorobenzene-d4	13.51	152	164304	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	138534	5.061 ug/L	94
3) Chloromethane	2.01	50	181801	5.029 ug/L	93
5) Vinyl chloride	2.16	62	181223	5.017 ug/L	93
6) Bromomethane	2.52	94	118602	5.970 ug/L	80
8) Chloroethane	2.66	64	98448	4.907 ug/L	89
9) Trichlorofluoromethane	2.98	101	226662	4.593 ug/L	# 2
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	167138	5.242 ug/L	95
12) 1,1-Dichloroethene	3.66	96	180478	5.285 ug/L	90
13) Acetone	3.72	43	110793	53.831 ug/L	96
14) Carbon disulfide	3.96	76	401166	5.071 ug/L	96
15) Methyl Acetate	4.21	43	34821	5.358 ug/L	96
16) Methylene chloride	4.41	84	162019	5.618 ug/L	93
17) Methyl tert-butyl Ether	4.91	73	189884	5.539 ug/L	97
18) trans-1,2-Dichloroethene	4.89	96	178451	5.456 ug/L	94
19) 1,1-Dichloroethane	5.70	63	251259	5.250 ug/L	93
21) 2-Butanone	6.70	43	185254	64.787 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	173192	5.798 ug/L	98

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

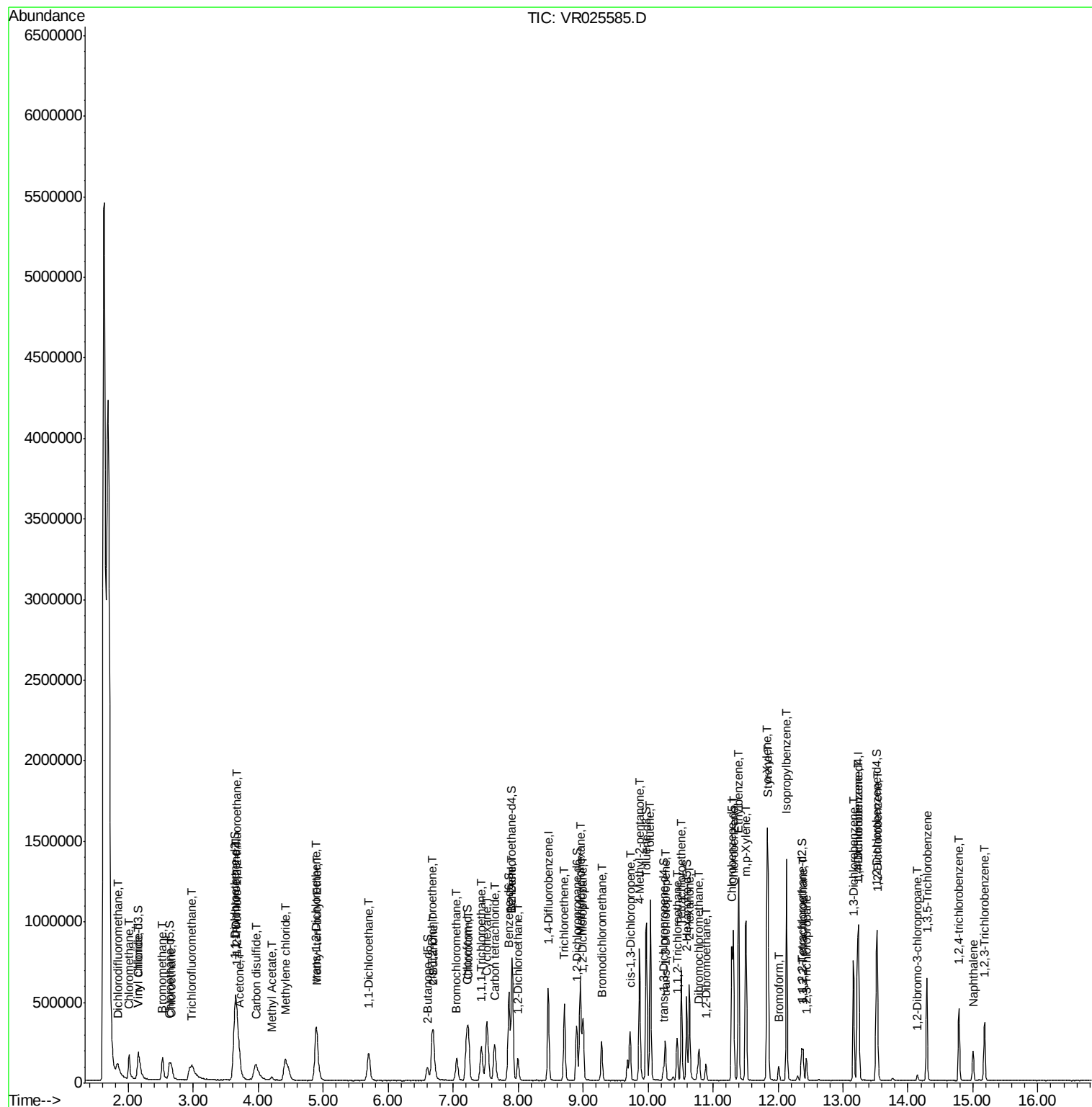
23) Bromochloromethane	7.05	128	58047	5.858	ug/L	94
25) Chloroform	7.24	83	259673	5.481	ug/L	96
27) 1,2-Dichloroethane	8.00	62	105448	5.585	ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	182042	4.766	ug/L	99
30) Cyclohexane	7.52	56	217660	4.947	ug/L	98
31) Carbon tetrachloride	7.64	117	180542	4.579	ug/L	98
33) Benzene	7.91	78	679938	5.103	ug/L	100
34) Trichloroethene	8.71	95	158220	4.775	ug/L	91
35) Methylcyclohexane	8.96	83	257724	5.172	ug/L	98
37) 1,2-Dichloropropane	9.00	63	144076	5.137	ug/L	99
38) Bromodichloromethane	9.28	83	151563	5.290	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	166561	5.379	ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	506650	64.104	ug/L	99
42) Toluene	10.03	91	773889	5.454	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	114519	5.297	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	78975	5.654	ug/L	98
47) Tetrachloroethene	10.52	164	147296	5.195	ug/L	97
48) 2-Hexanone	10.64	43	343608	64.466	ug/L	98
49) Dibromochloromethane	10.78	129	94536	5.737	ug/L	98
50) 1,2-Dibromoethane	10.89	107	66203	5.681	ug/L #	92
51) Chlorobenzene	11.31	112	462995	5.396	ug/L	99
52) Ethylbenzene	11.39	91	816789	5.294	ug/L	99
53) m,p-Xylene	11.51	106	324268	5.432	ug/L	98
54) o-Xylene	11.83	106	303286	5.534	ug/L	95
55) Styrene	11.85	104	500584	5.734	ug/L	96
56) Isopropylbenzene	12.13	105	773693	5.367	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	79543	6.009	ug/L	96
59) 1,2,3-Trichloropropane	12.44	75	49896	5.642	ug/L	89
61) Bromoform	12.01	173	40438	5.069	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	292233	5.046	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	327602	5.212	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	267644	5.379	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	6805	4.420	ug/L #	59
67) 1,3,5-Trichlorobenzene	14.29	180	201315	5.114	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	131754	5.208	ug/L	99
69) Naphthalene	15.00	128	141797	4.907	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	111913	5.753	ug/L	100

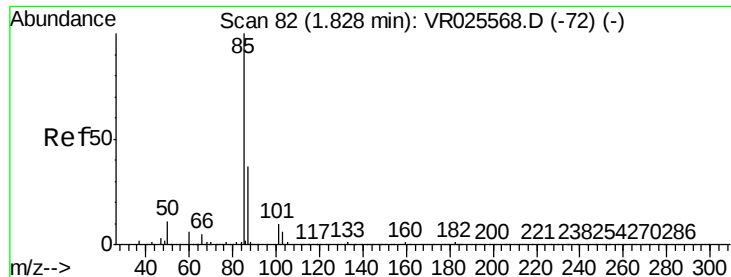
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.061 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

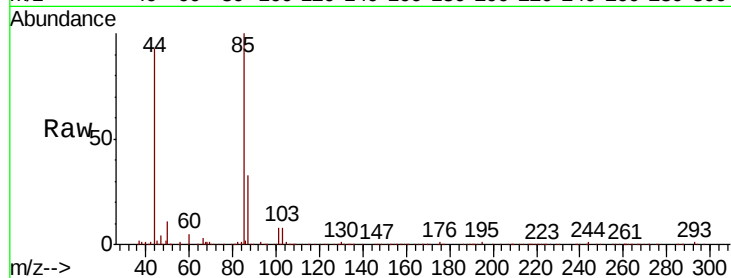
VSTD00593

Tgt Ion: 85 Resp: 138534

Ion Ratio Lower Upper

85 100

87 34.8 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.83

40000

30000

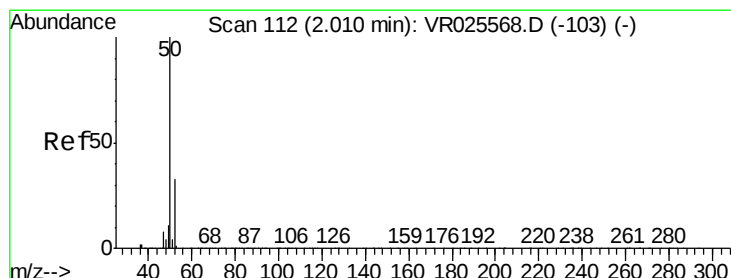
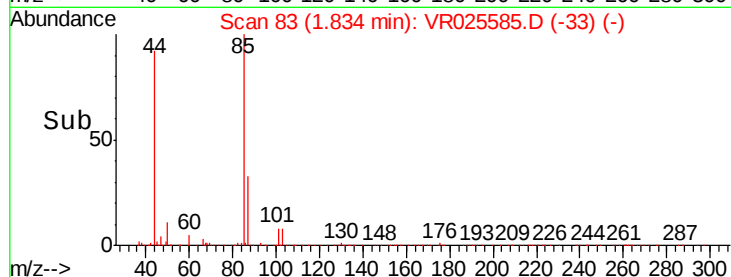
20000

10000

0

Time-->

1.70 1.80 1.90 2.00



#3

Chloromethane

Concen: 5.029 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025585.D

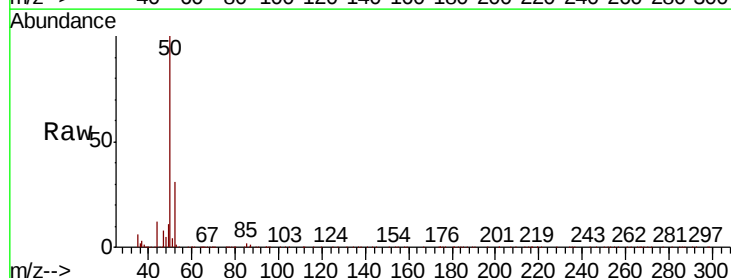
Acq: 7 Aug 2018 19:56

Tgt Ion: 50 Resp: 181801

Ion Ratio Lower Upper

50 100

52 30.8 24.4 45.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.01

100000

80000

60000

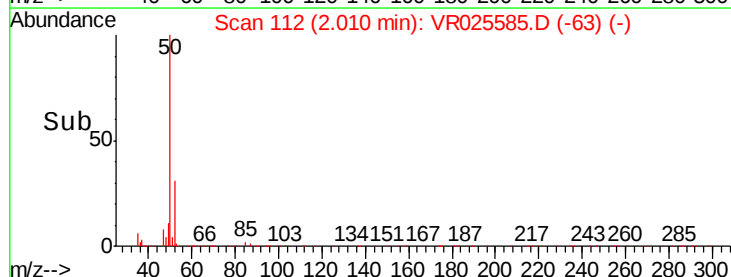
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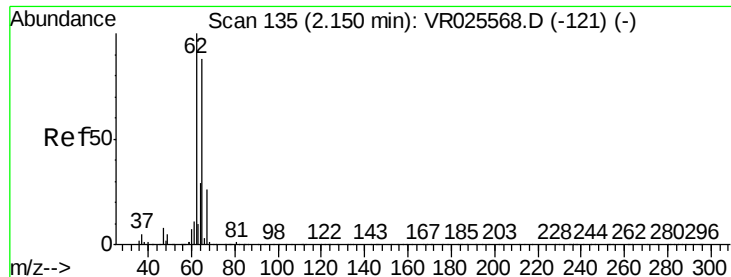
20000

0

Time-->

1.90 2.00 2.10





#5

Vinyl chloride

Concen: 5.017 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

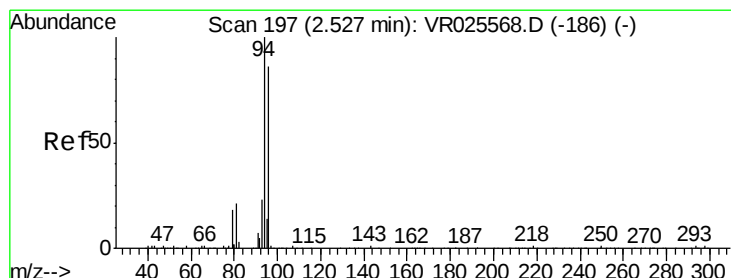
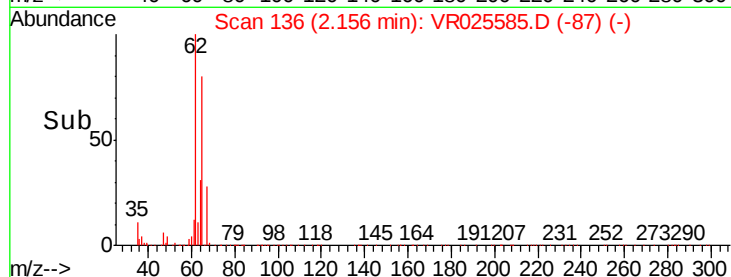
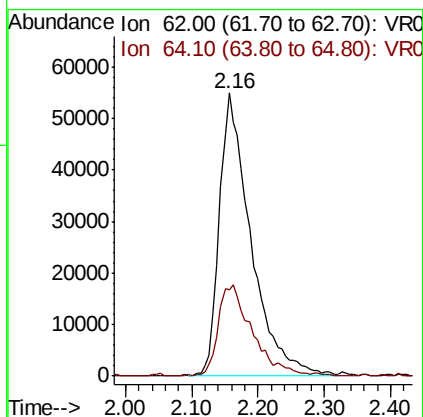
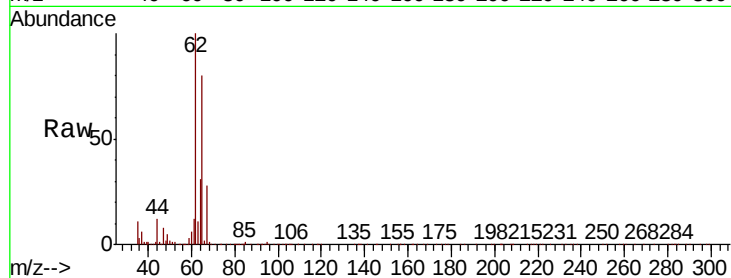
VSTD00593

Tgt Ion: 62 Resp: 181223

Ion Ratio Lower Upper

62 100

64 30.6 24.1 44.8



#6

Bromomethane

Concen: 5.970 ug/L

RT: 2.52 min Scan# 196

Delta R.T. -0.00 min

Lab File: VR025585.D

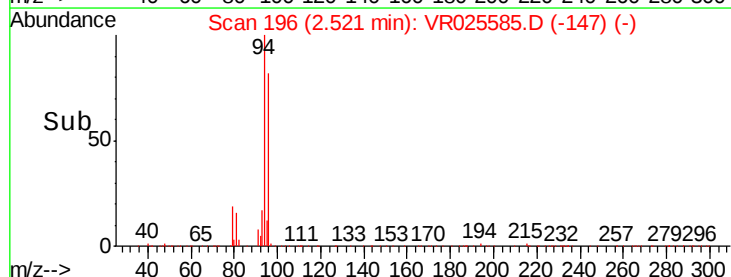
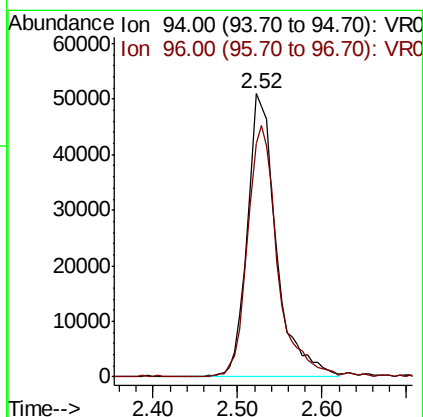
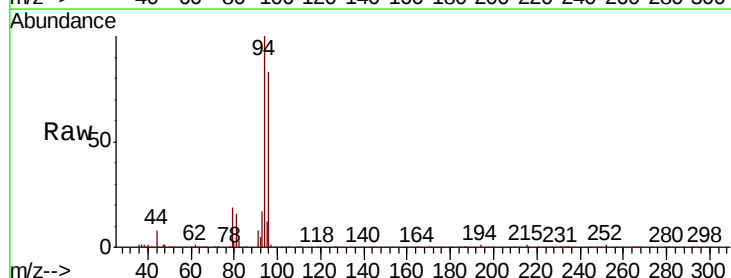
Acq: 7 Aug 2018 19:56

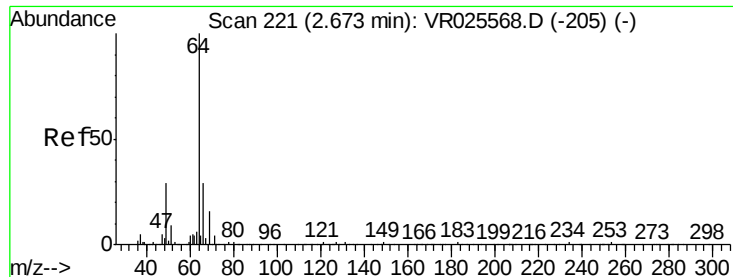
Tgt Ion: 94 Resp: 118602

Ion Ratio Lower Upper

94 100

96 82.6 72.0 133.6





#8

Chloroethane

Concen: 4.907 ug/L

RT: 2.66 min Scan# 219

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

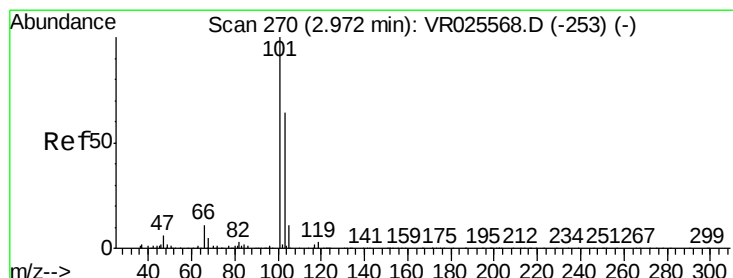
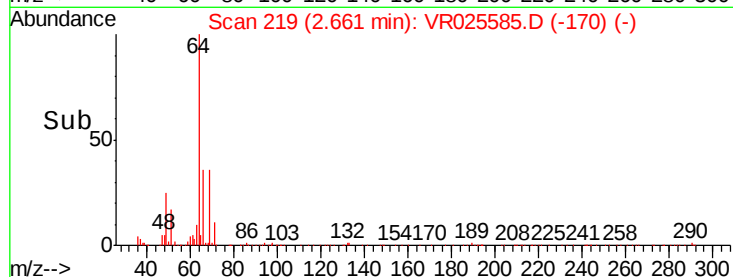
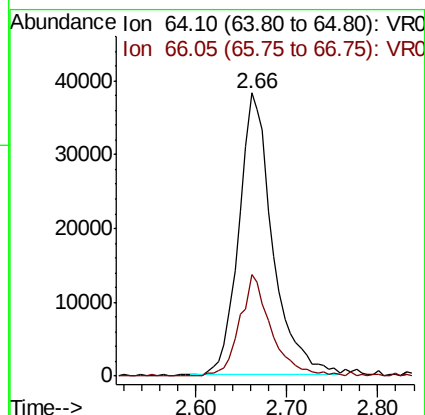
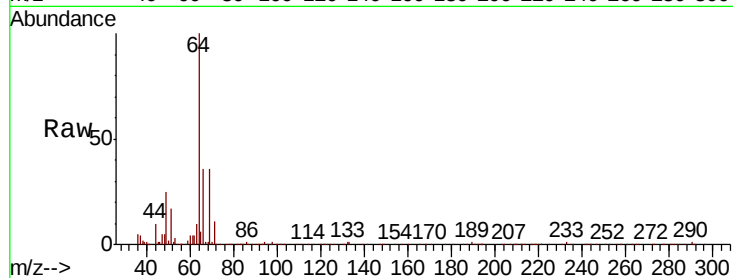
VSTD00593

Tgt Ion: 64 Resp: 98448

Ion Ratio Lower Upper

64 100

66 35.8 20.9 38.9



#9

Trichlorofluoromethane

Concen: 4.593 ug/L

RT: 2.98 min Scan# 271

Delta R.T. 0.01 min

Lab File: VR025585.D

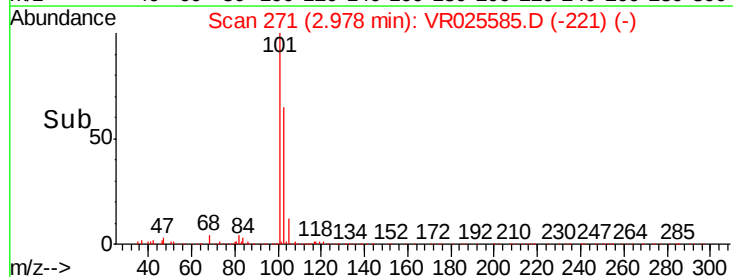
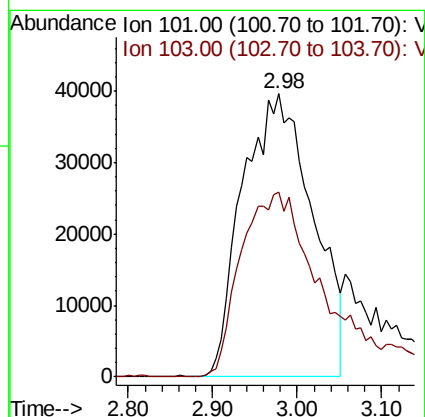
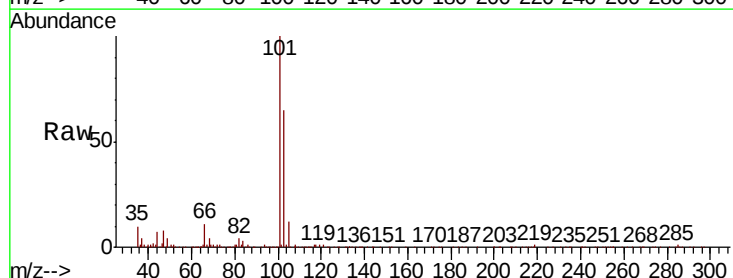
Acq: 7 Aug 2018 19:56

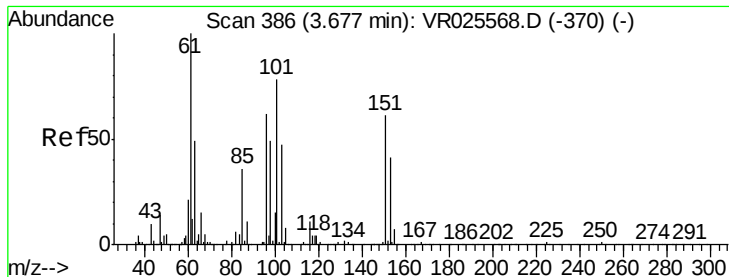
Tgt Ion: 101 Resp: 226662

Ion Ratio Lower Upper

101 100

103 73.6 19.8 29.6#





#10

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

Concen: 5.242 ug/L

RT: 3.68 min Scan# 386

Delta R.T. -0.00 min

Lab File: VR025585.D

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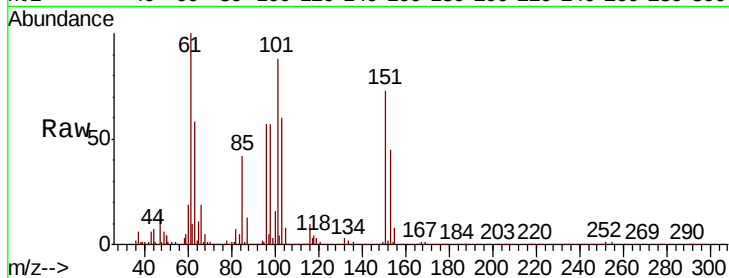
Tgt Ion:101 Resp: 167138

Ion Ratio Lower Upper

101 100

85 44.5 37.4 56.0

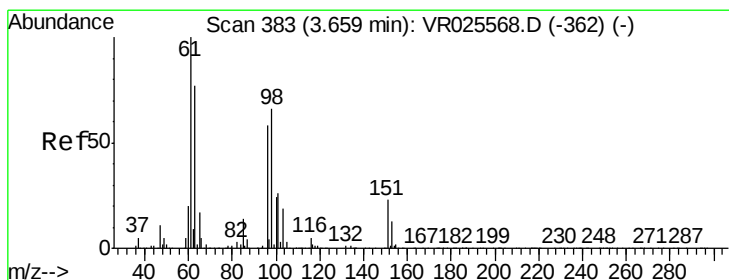
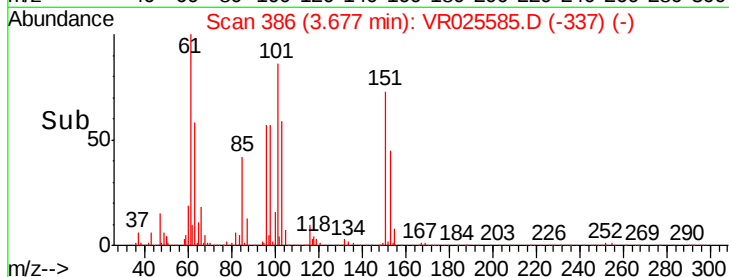
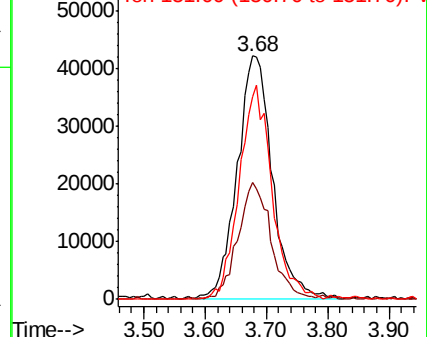
151 82.3 61.9 92.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.285 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

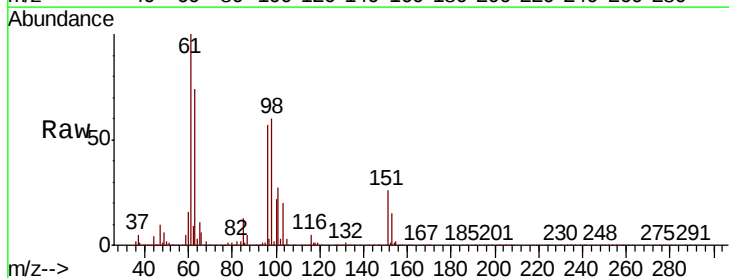
Tgt Ion: 96 Resp: 180478

Ion Ratio Lower Upper

96 100

61 175.1 124.3 230.8

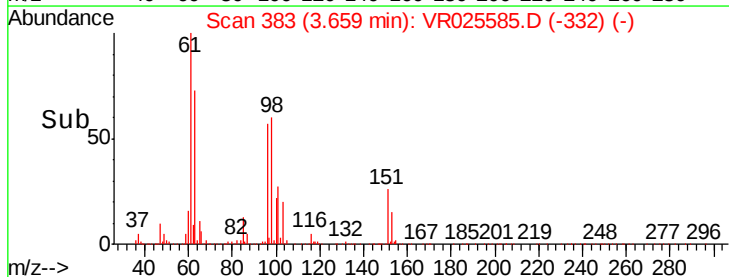
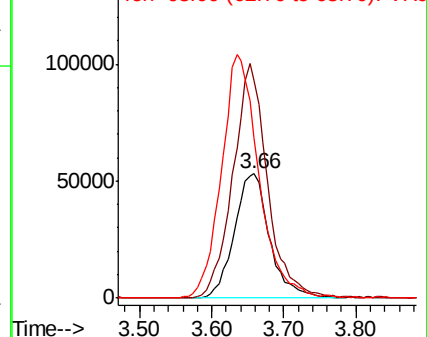
63 128.7 108.1 200.7

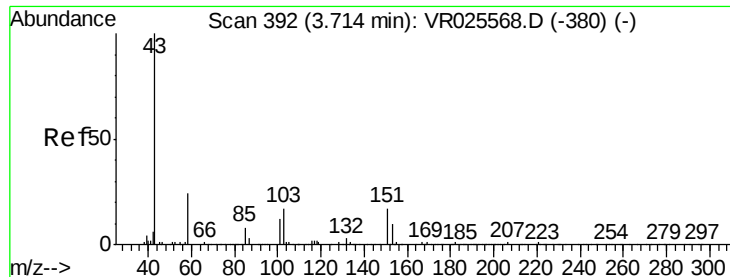


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 53.831 ug/L

RT: 3.72 min Scan# 393

Delta R.T. 0.01 min

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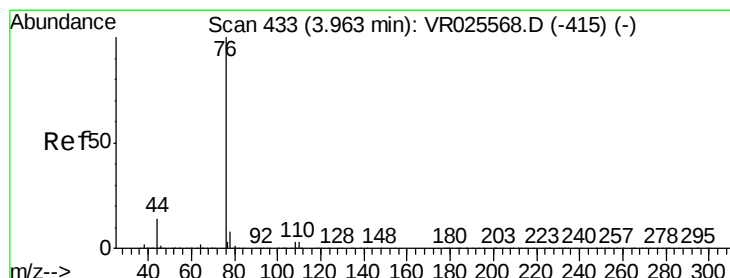
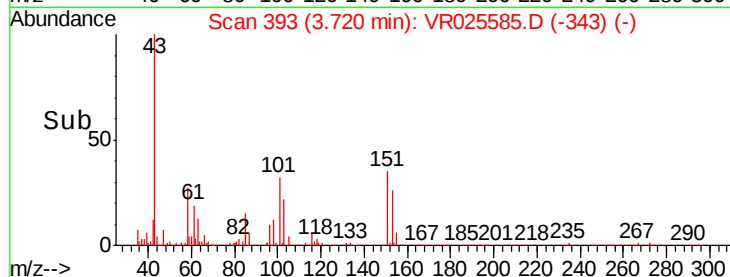
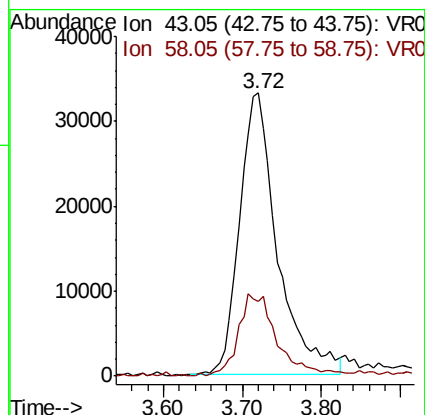
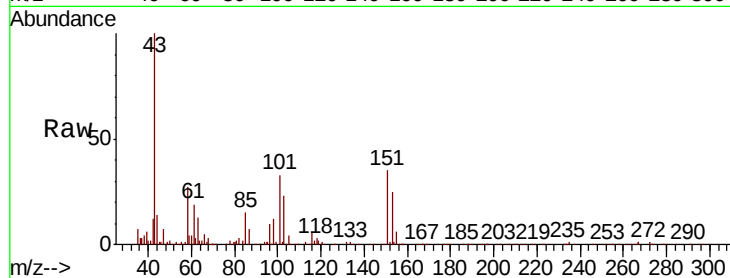
VSTD00593

Tgt Ion: 43 Resp: 110793

Ion Ratio Lower Upper

43 100

58 28.9 0.0 53.4



#14

Carbon disulfide

Concen: 5.071 ug/L

RT: 3.96 min Scan# 433

Delta R.T. 0.01 min

Lab File: VR025585.D

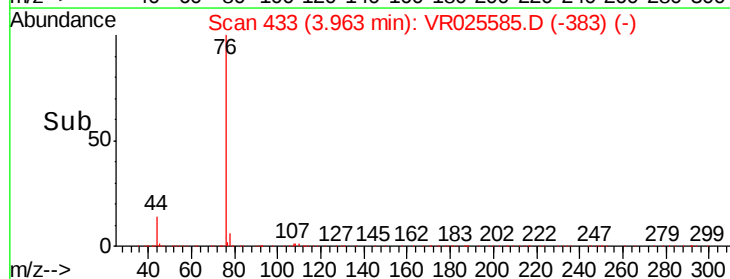
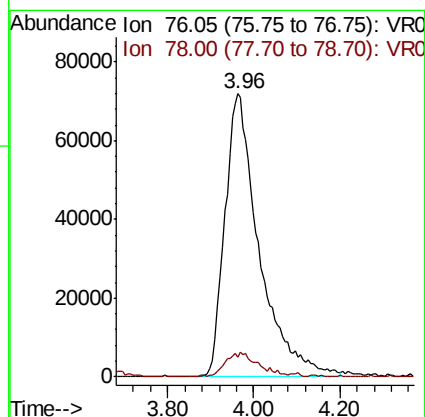
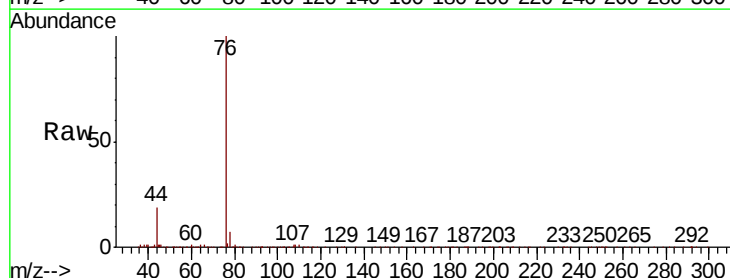
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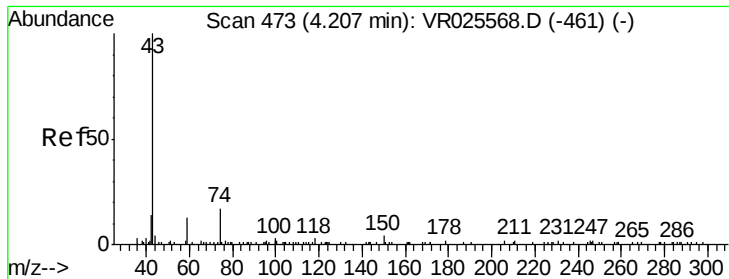
Tgt Ion: 76 Resp: 401166

Ion Ratio Lower Upper

76 100

78 6.9 6.8 10.2





#15

Methyl Acetate

Concen: 5.358 ug/L

RT: 4.21 min Scan# 473

Delta R.T. 0.01 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

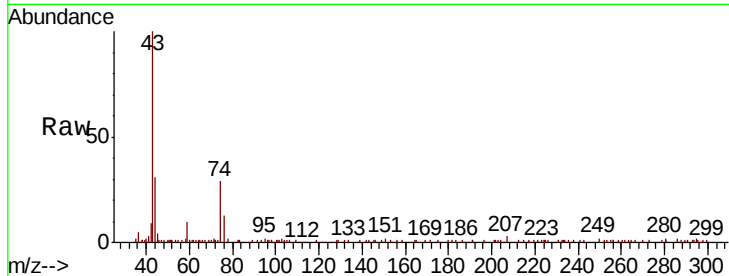
VSTD00593

Tgt Ion: 43 Resp: 34821

Ion Ratio Lower Upper

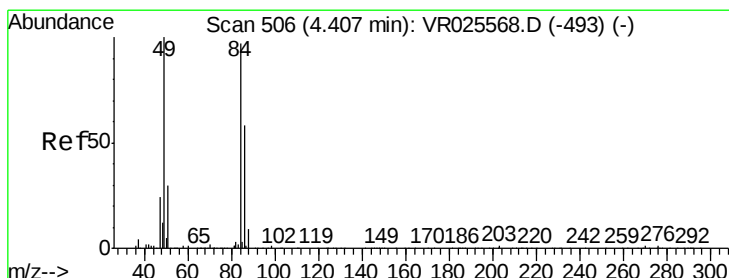
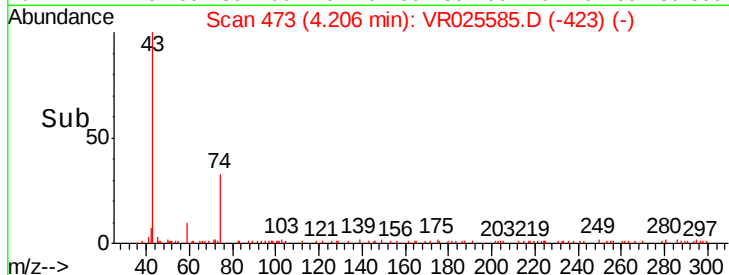
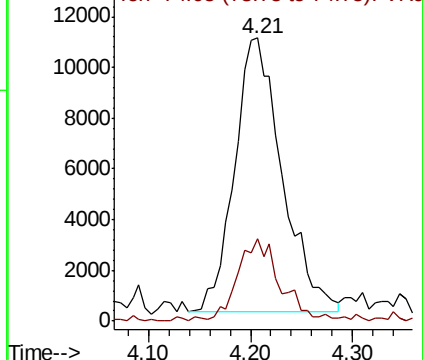
43 100

74 26.6 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 5.618 ug/L

RT: 4.41 min Scan# 507

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

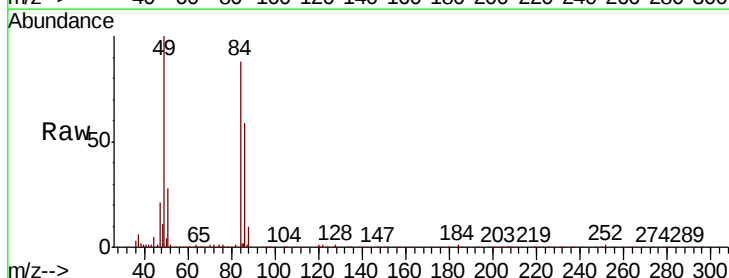
Tgt Ion: 84 Resp: 162019

Ion Ratio Lower Upper

84 100

86 66.6 40.4 75.0

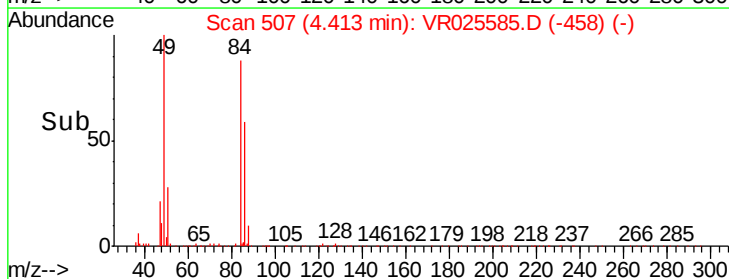
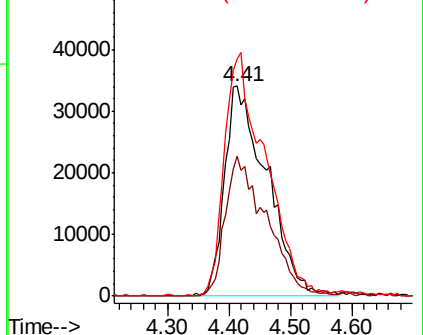
49 113.0 76.2 141.4

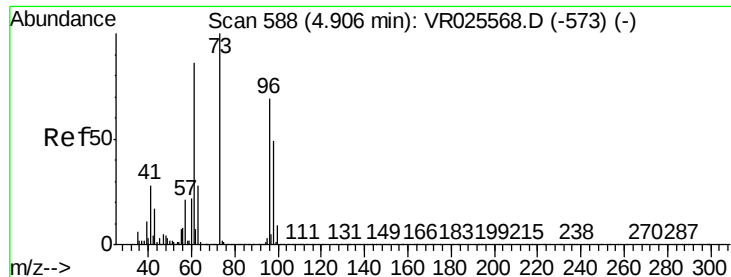


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

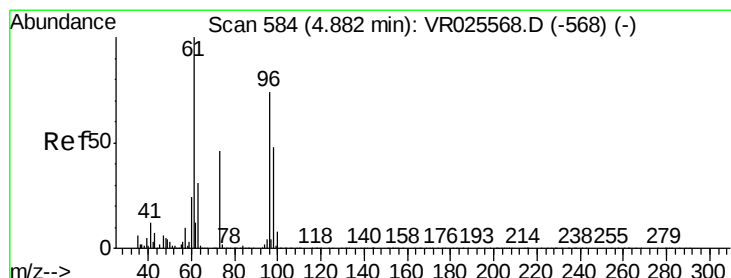
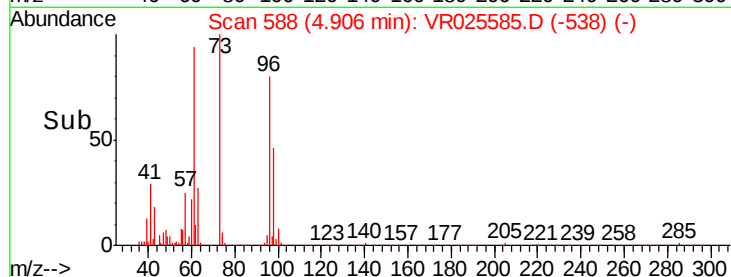
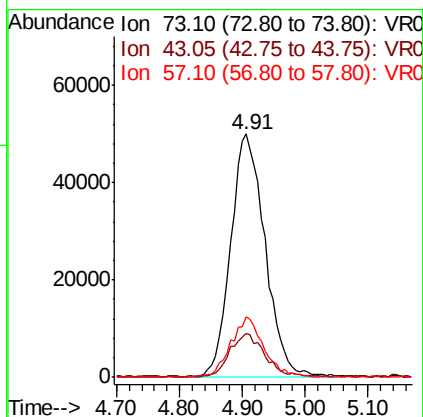
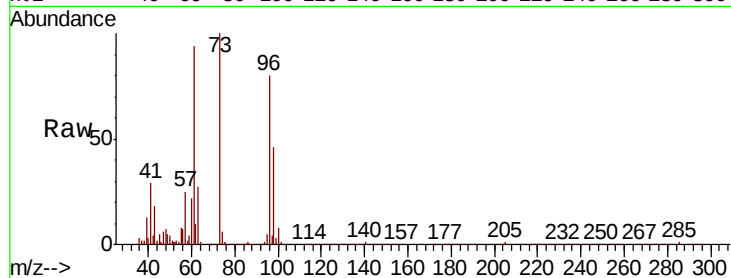




#17
Methyl tert-butyl Ether
Concen: 5.539 ug/L
RT: 4.91 min Scan# 588
Delta R.T. 0.01 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

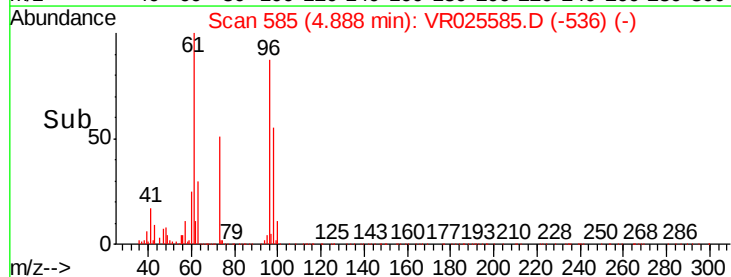
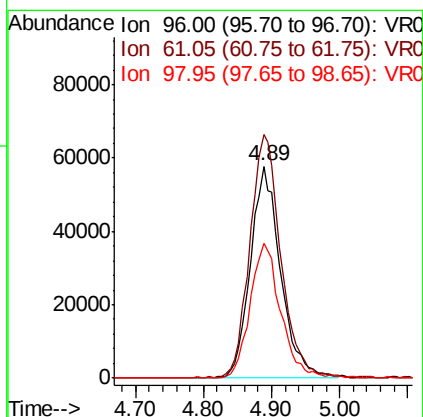
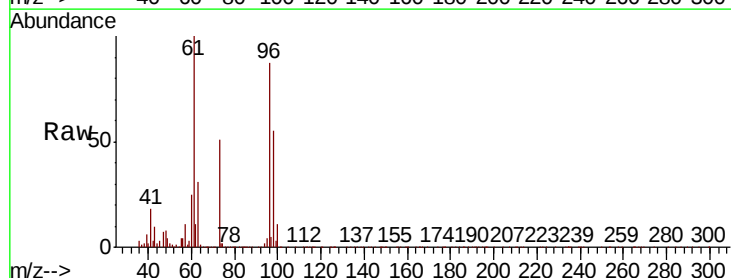
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

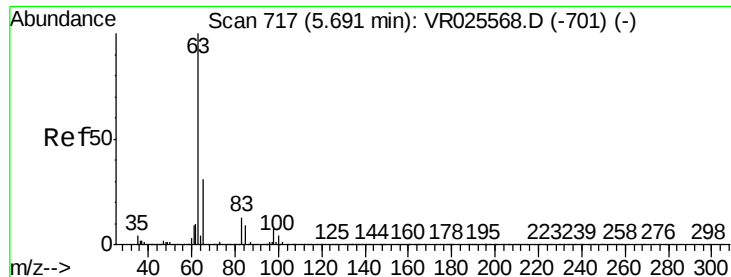
Tgt Ion: 73 Resp: 189884
Ion Ratio Lower Upper
73 100
43 17.3 14.2 21.4
57 23.9 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.456 ug/L
RT: 4.89 min Scan# 585
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Tgt Ion: 96 Resp: 178451
Ion Ratio Lower Upper
96 100
61 114.9 85.5 158.9
98 63.4 42.1 78.1

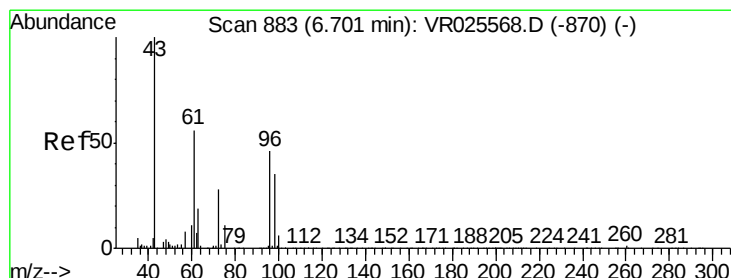
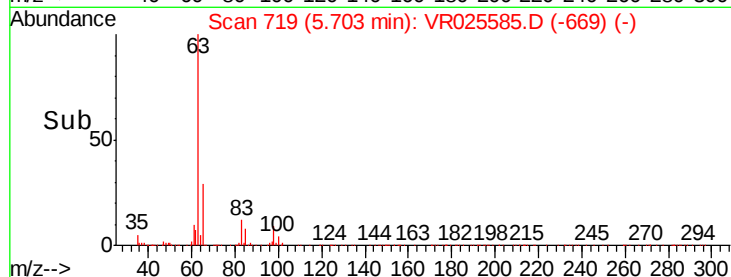
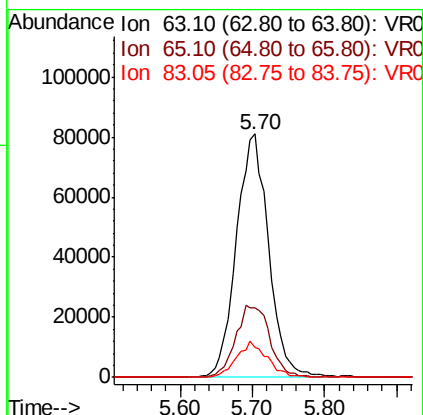
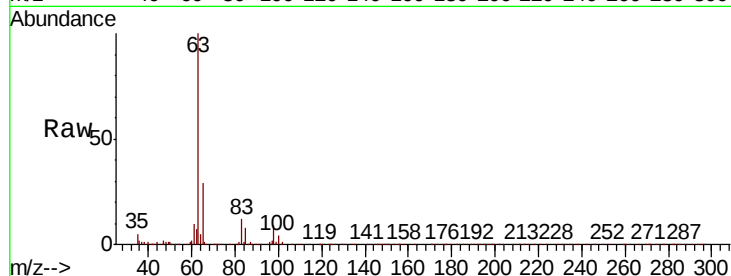




#19
 1,1-Dichloroethane
 Concen: 5.250 ug/L
 RT: 5.70 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

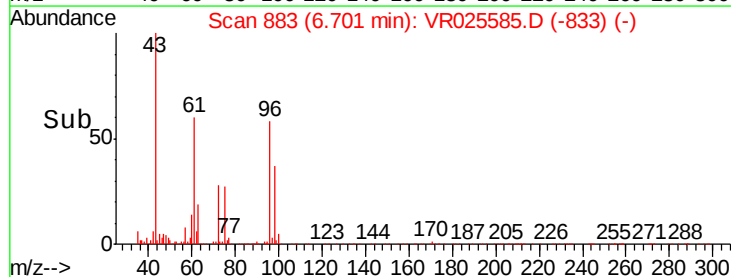
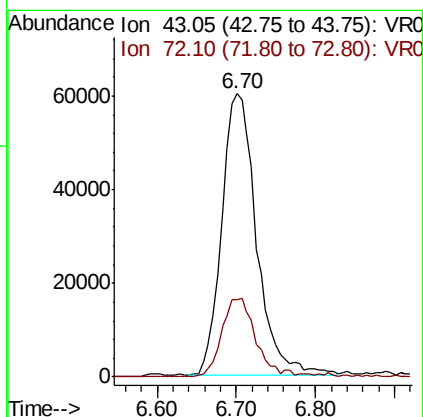
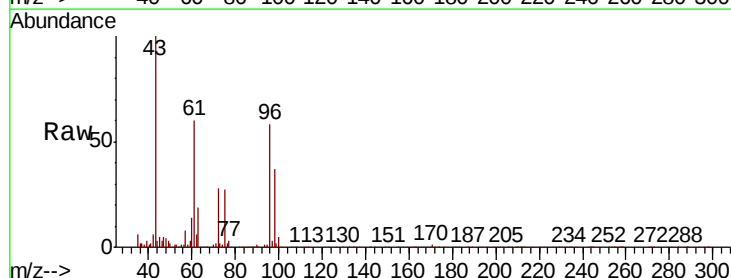
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00593

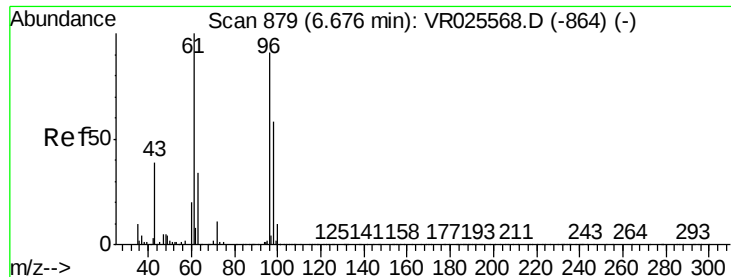
Tgt Ion: 63 Resp: 251259
 Ion Ratio Lower Upper
 63 100
 65 28.7 23.5 43.7
 83 12.1 9.1 16.9



#21
 2-Butanone
 Concen: 64.787 ug/L
 RT: 6.70 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

Tgt Ion: 43 Resp: 185254
 Ion Ratio Lower Upper
 43 100
 72 27.5 13.2 39.6



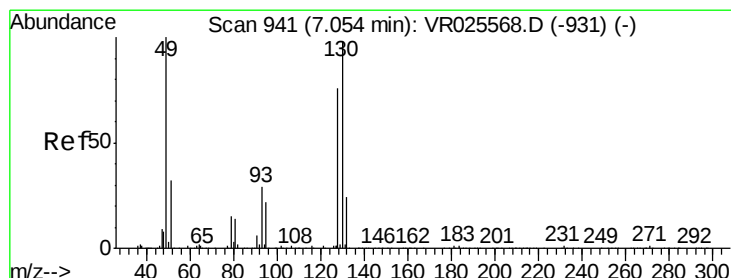
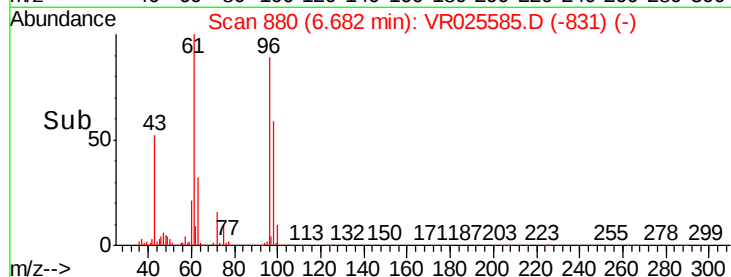
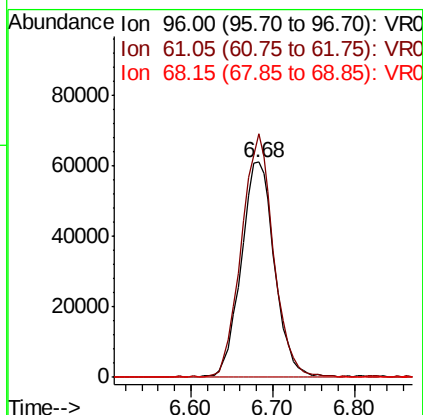
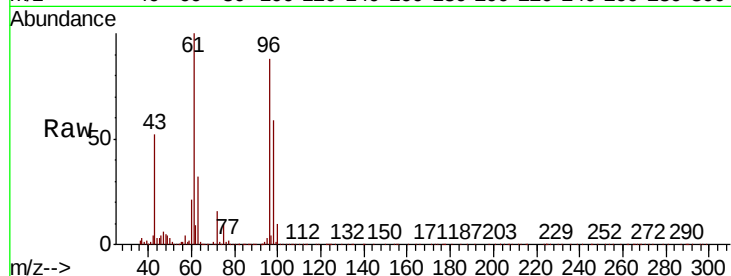


#22

cis-1,2-Dichloroethene
Concen: 5.798 ug/L
RT: 6.68 min Scan# 880
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

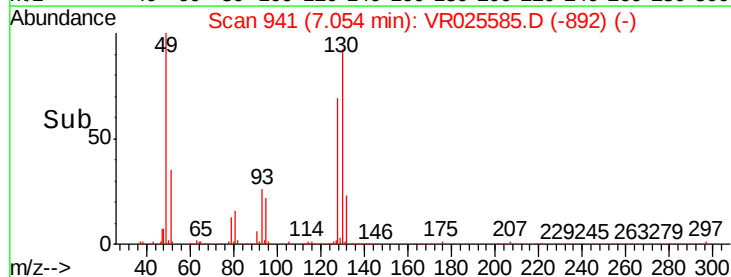
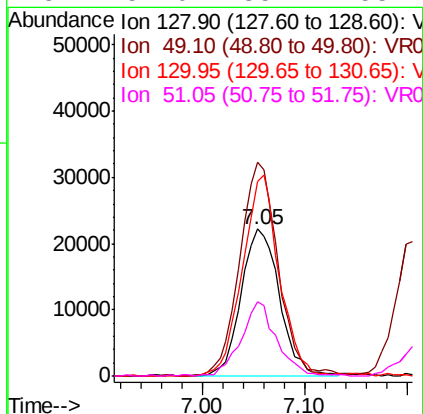
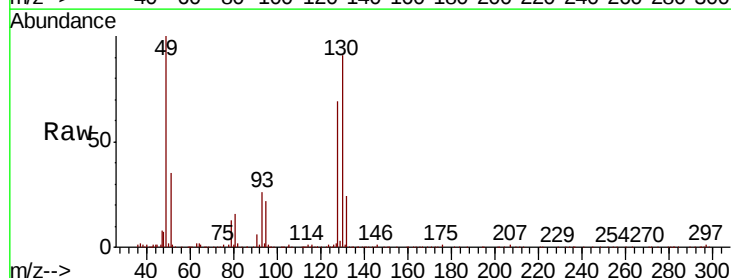
Tgt Ion: 96 Resp: 173192
Ion Ratio Lower Upper
96 100
61 113.2 77.7 144.3
68 0.0 0.0 0.0

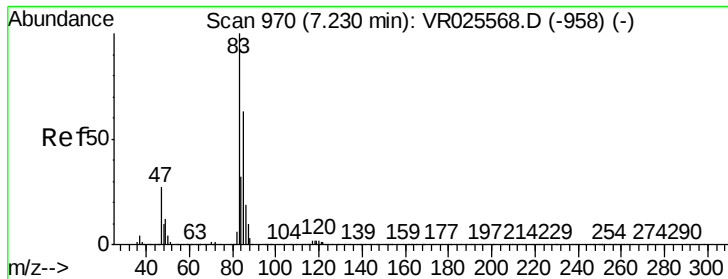


#23

Bromochloromethane
Concen: 5.858 ug/L
RT: 7.05 min Scan# 941
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Tgt Ion: 128 Resp: 58047
Ion Ratio Lower Upper
128 100
49 145.5 103.3 191.9
130 132.7 84.9 157.7
51 51.0 35.4 53.2

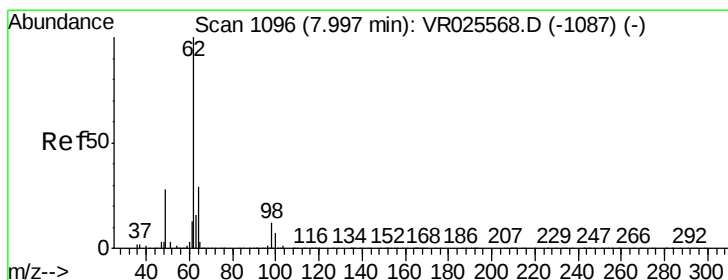
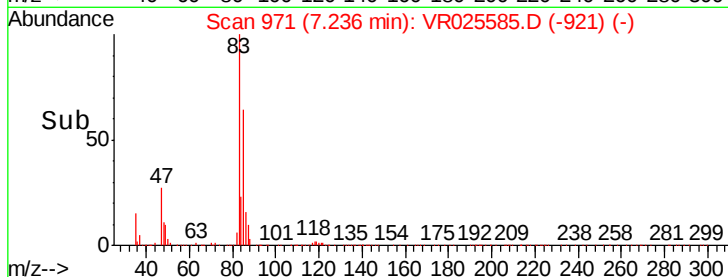
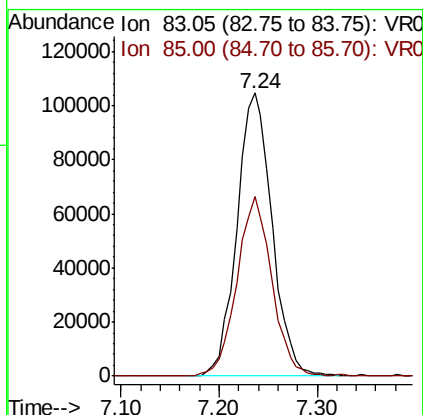
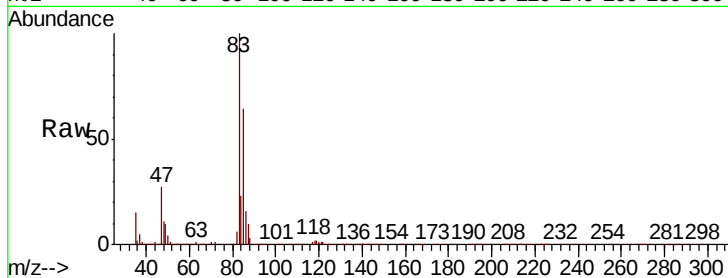




#25
Chloroform
Concen: 5.481 ug/L
RT: 7.24 min Scan# 971
Delta R.T. 0.01 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

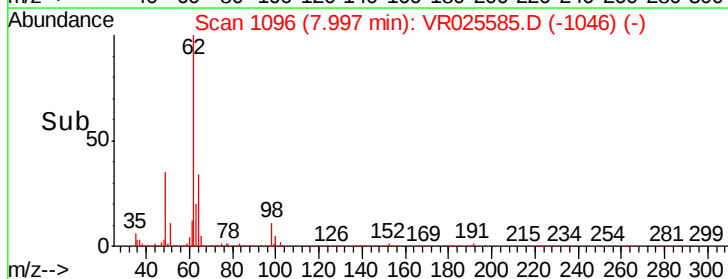
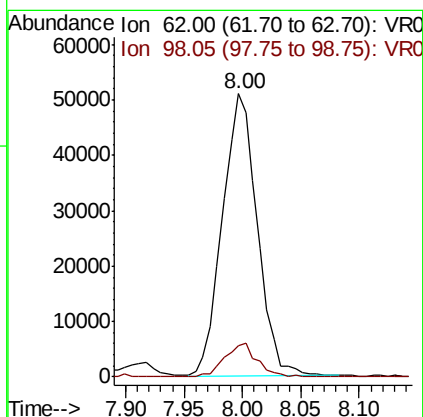
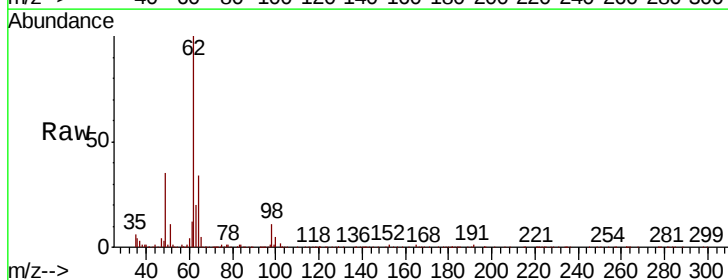
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

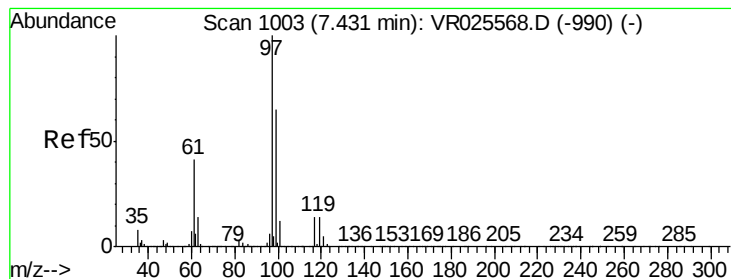
Tgt Ion: 83 Resp: 259673
Ion Ratio Lower Upper
83 100
85 63.6 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.585 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Tgt Ion: 62 Resp: 105448
Ion Ratio Lower Upper
62 100
98 10.9 6.6 9.8#





#29

1,1,1-Trichloroethane

Concen: 4.766 ug/L

RT: 7.43 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

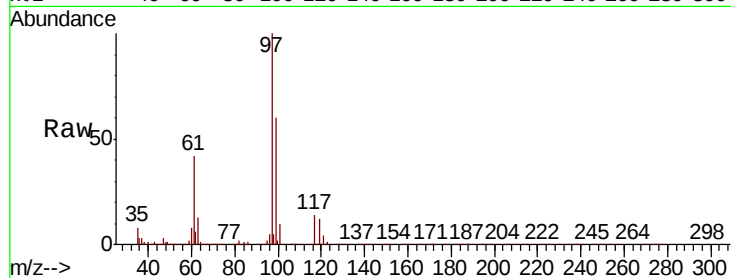
Tgt Ion: 97 Resp: 182042

Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

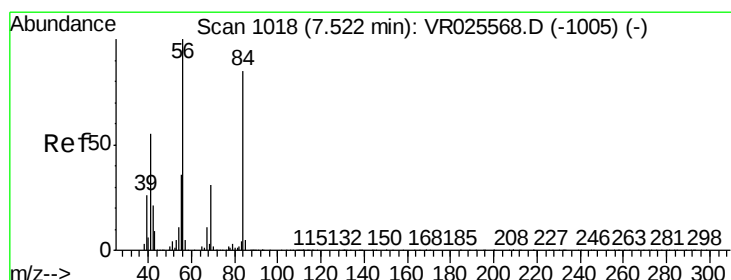
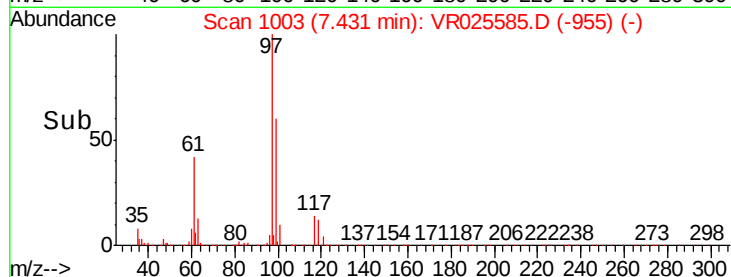
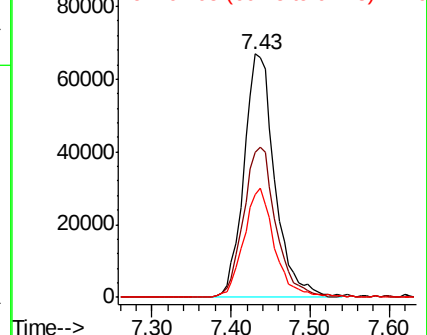
61 45.0 35.3 52.9



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 4.947 ug/L

RT: 7.52 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

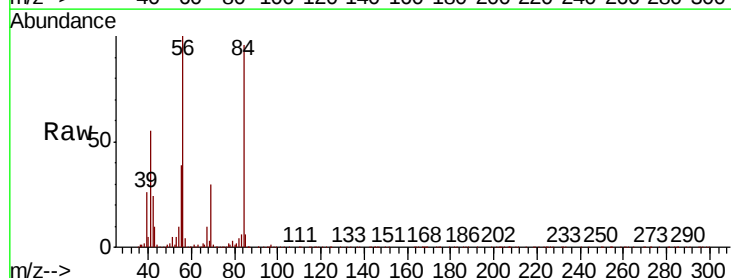
Tgt Ion: 56 Resp: 217660

Ion Ratio Lower Upper

56 100

69 29.8 24.6 36.8

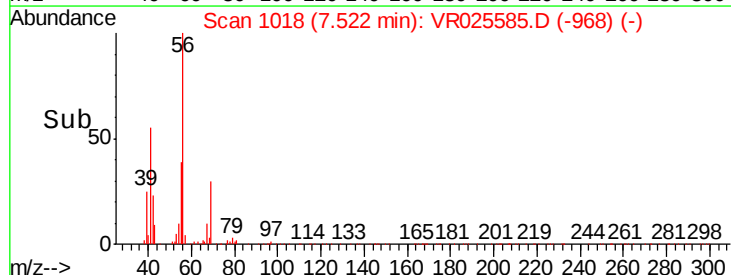
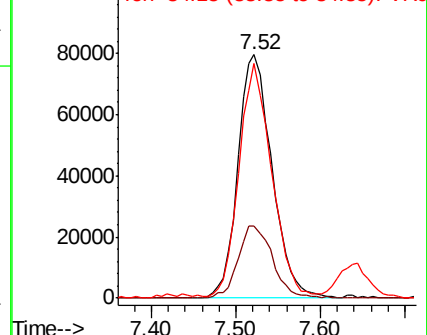
84 91.0 71.3 106.9

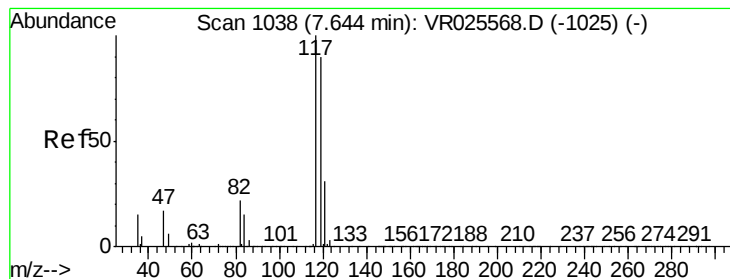


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.579 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

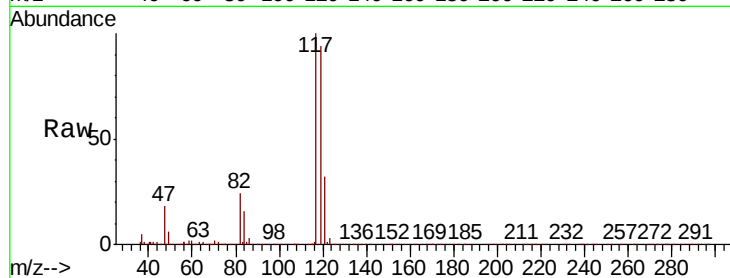
VSTD00593

Tgt Ion:117 Resp: 180542

Ion Ratio Lower Upper

117 100

119 98.8 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

80000

60000

40000

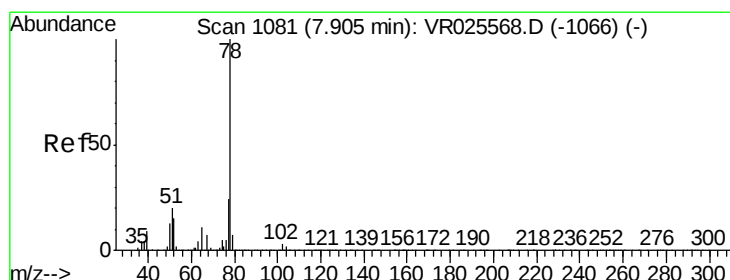
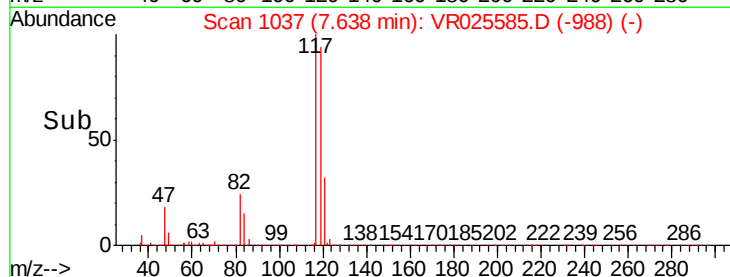
20000

0

Time-->

7.60

7.70



#33

Benzene

Concen: 5.103 ug/L

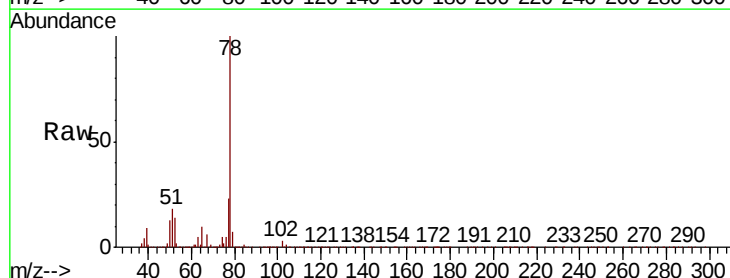
RT: 7.91 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Tgt Ion: 78 Resp: 679938



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

300000

200000

100000

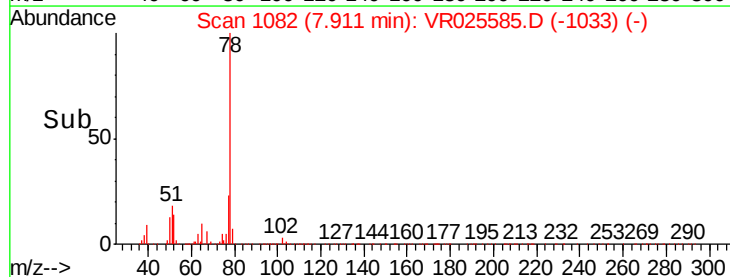
0

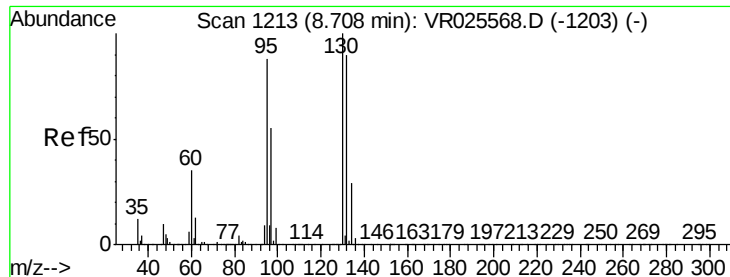
Time-->

7.80

7.90

8.00





#34

Trichloroethene

Concen: 4.775 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion: 95 Resp: 158220

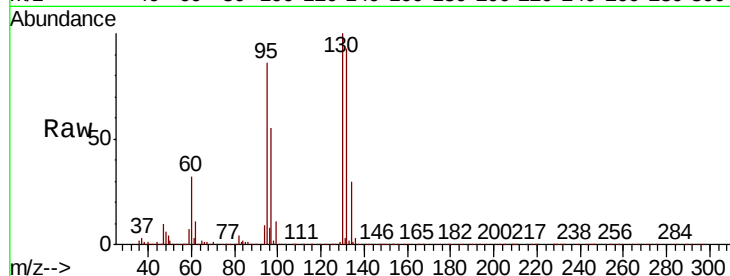
Ion Ratio Lower Upper

95 100

97 63.9 46.7 86.7

132 108.9 71.7 133.1

130 116.6 71.3 132.3

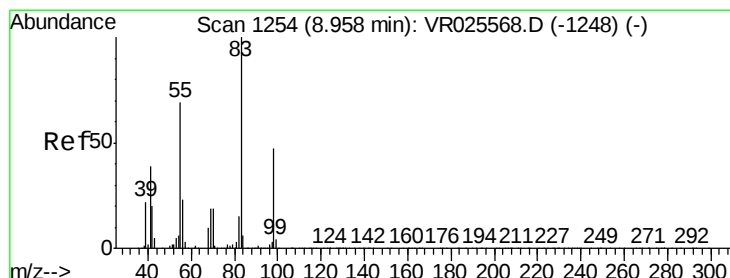
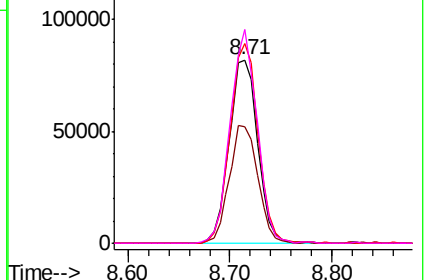
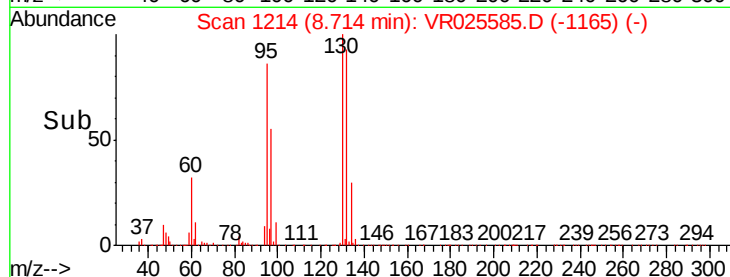


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.172 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

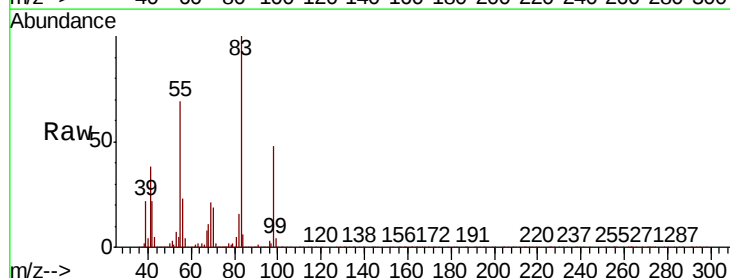
Tgt Ion: 83 Resp: 257724

Ion Ratio Lower Upper

83 100

55 70.9 58.3 87.5

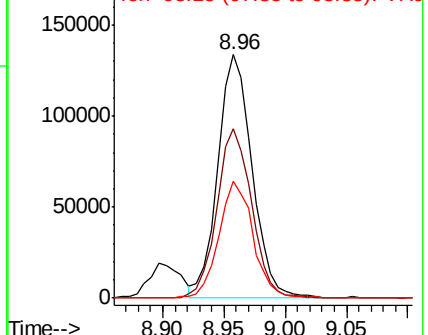
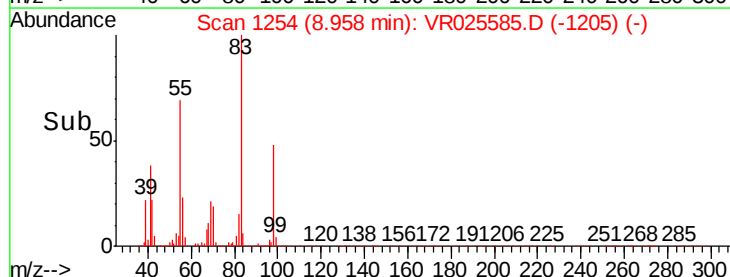
98 48.3 37.8 56.6

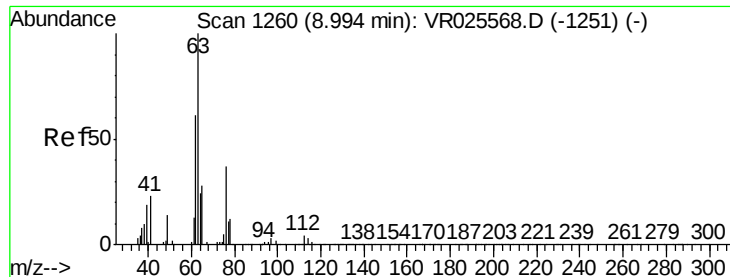


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.137 ug/L

RT: 9.00 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

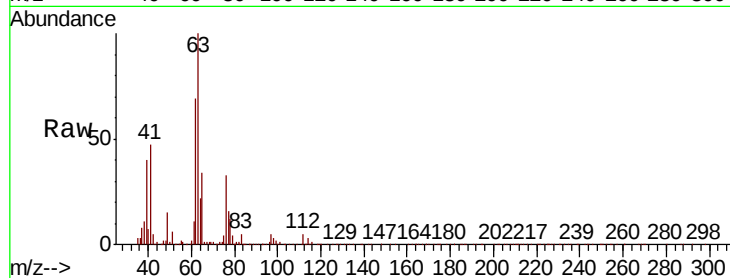
VSTD00593

Tgt Ion: 63 Resp: 144076

Ion Ratio Lower Upper

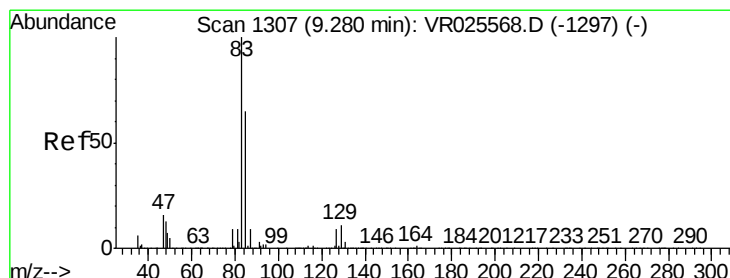
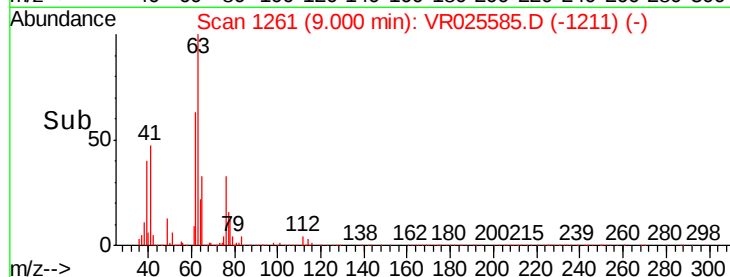
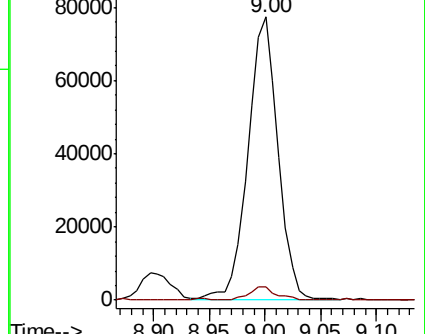
63 100

112 4.4 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.290 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

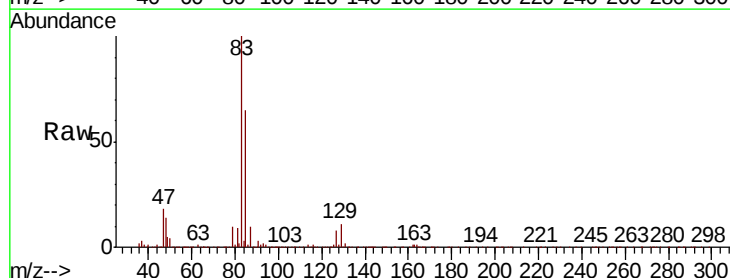
Tgt Ion: 83 Resp: 151563

Ion Ratio Lower Upper

83 100

85 65.0 44.0 81.6

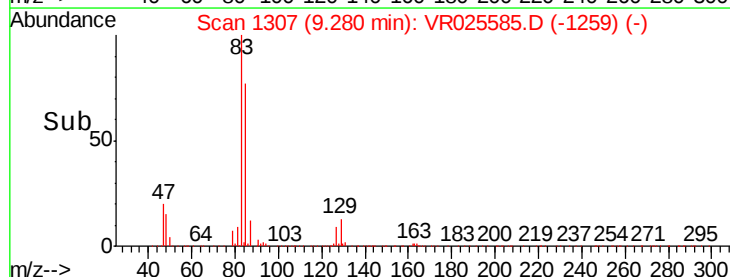
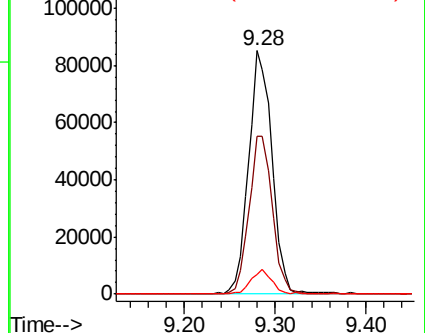
127 8.0 6.7 10.1

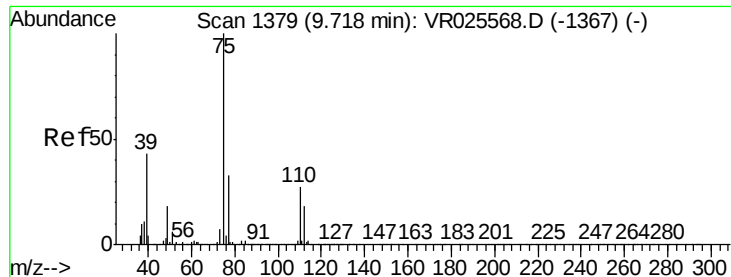


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V



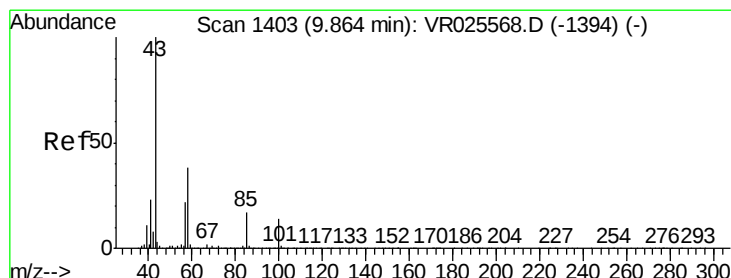
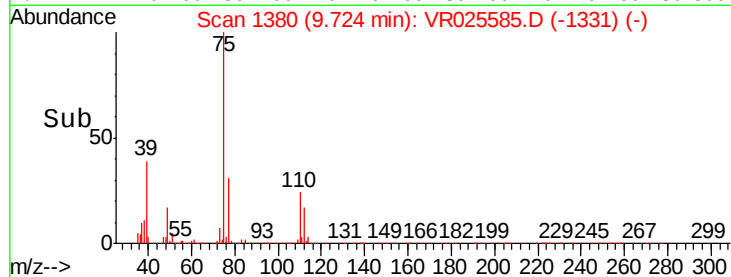
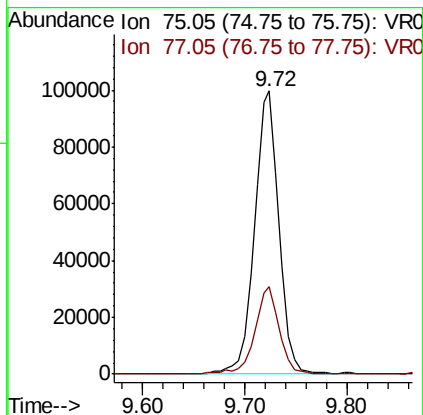
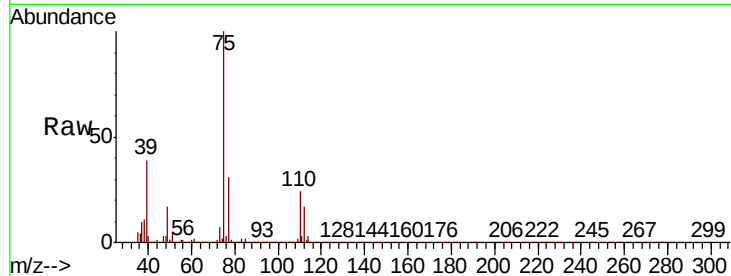


#39

cis-1,3-Dichloropropene
Concen: 5.379 ug/L
RT: 9.72 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Instrument :
MSVOA_R
ClientSampled :
VSTD00593

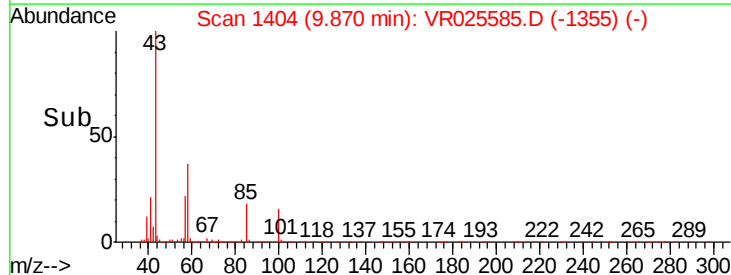
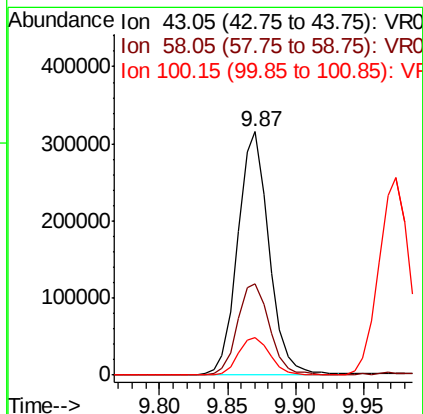
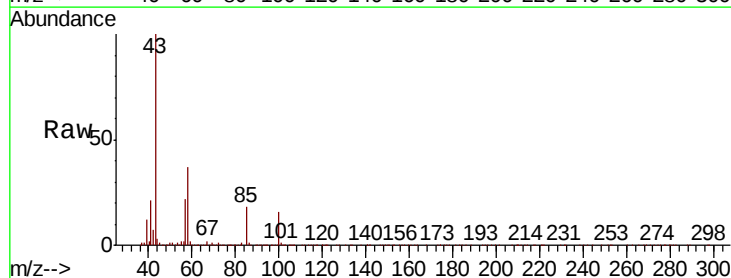
Tgt Ion: 75 Resp: 166561
Ion Ratio Lower Upper
75 100
77 30.8 21.6 40.0

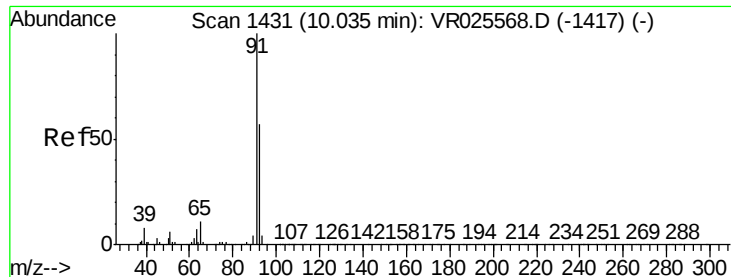


#40

4-Methyl-2-pentanone
Concen: 64.104 ug/L
RT: 9.87 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Tgt Ion: 43 Resp: 506650
Ion Ratio Lower Upper
43 100
58 38.8 31.0 46.6
100 15.9 11.9 17.9





#42

Toluene

Concen: 5.454 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

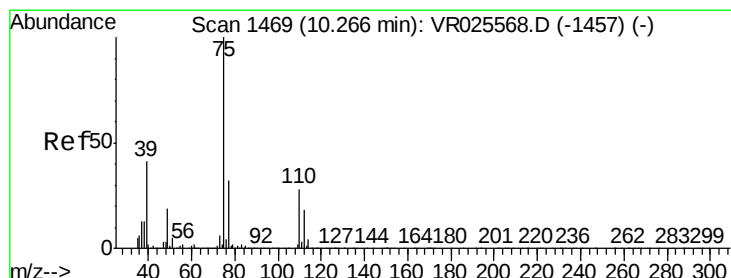
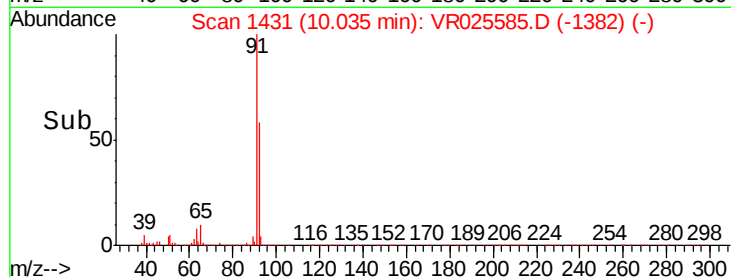
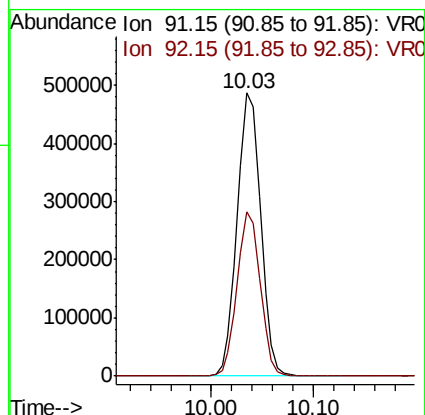
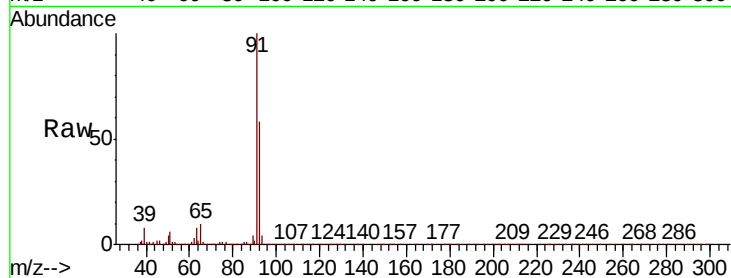
VSTD00593

Tgt Ion: 91 Resp: 773889

Ion Ratio Lower Upper

91 100

92 58.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.297 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025585.D

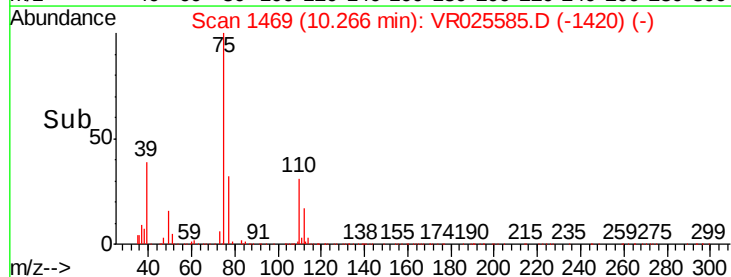
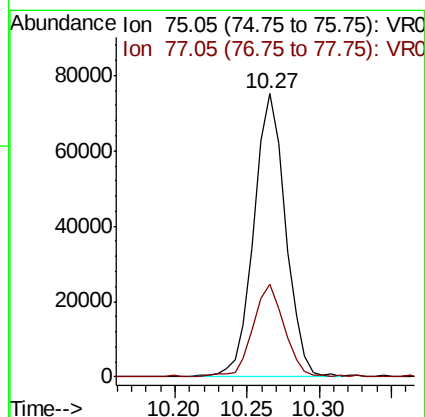
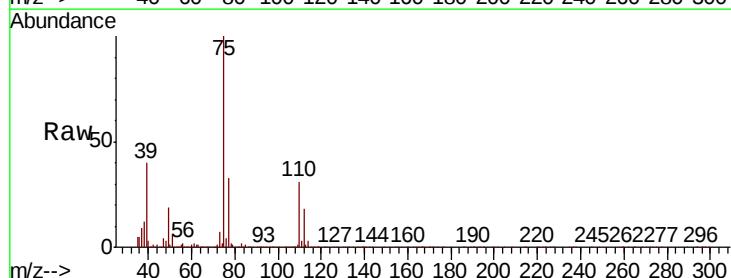
Acq: 7 Aug 2018 19:56

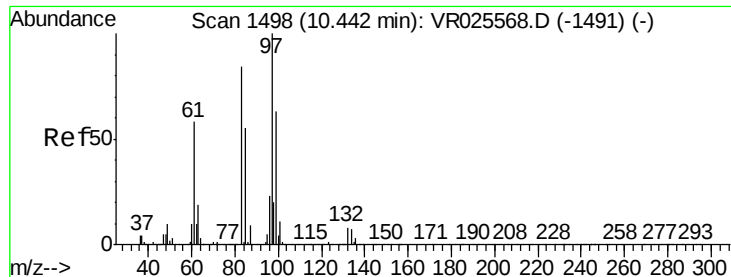
Tgt Ion: 75 Resp: 114519

Ion Ratio Lower Upper

75 100

77 32.7 22.8 42.4

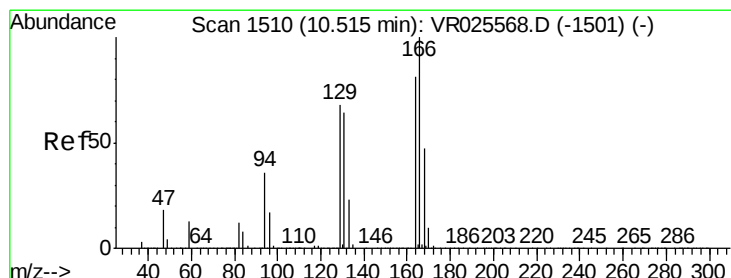
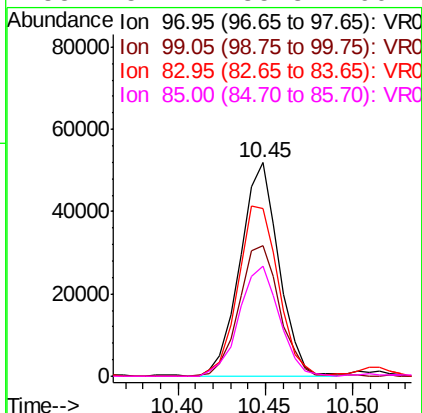
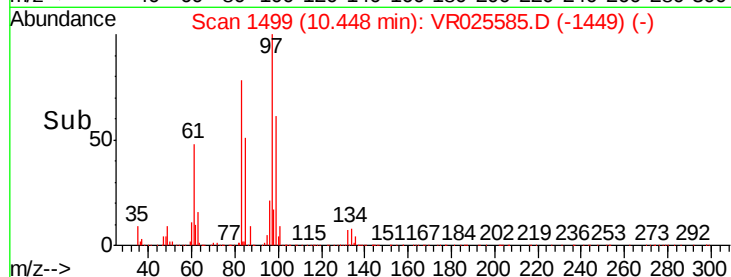
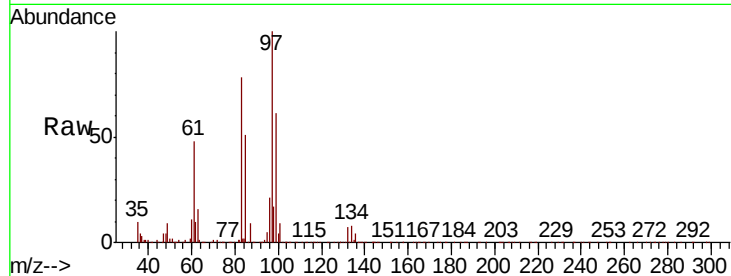




#45
 1,1,2-Trichloroethane
 Concen: 5.654 ug/L
 RT: 10.45 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

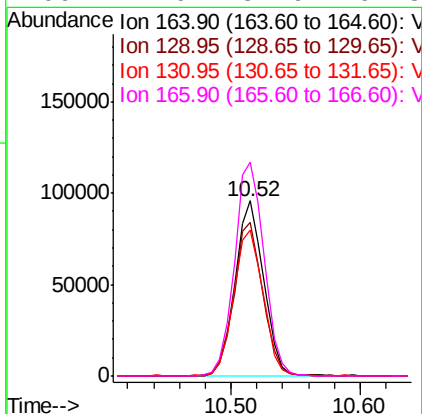
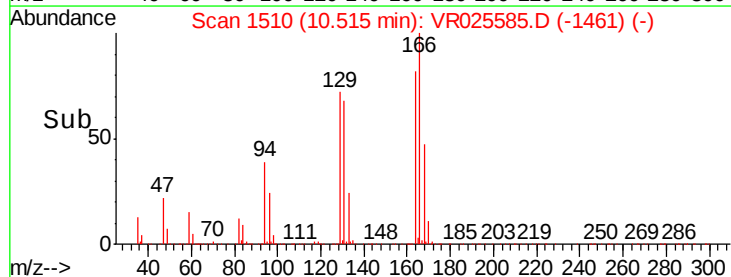
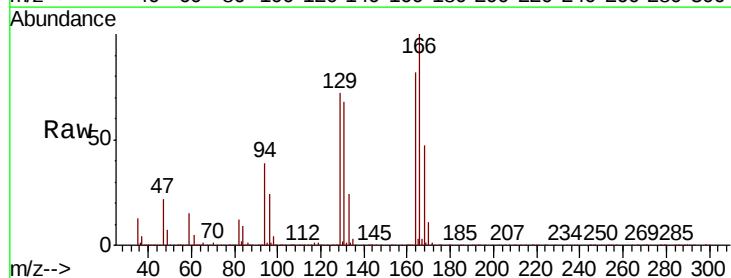
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

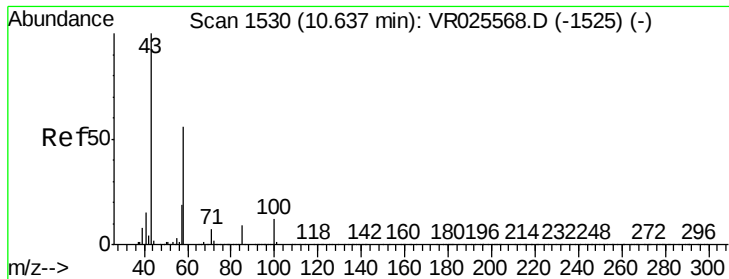
Tgt Ion:	97	Resp:	78975
Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.4	80.6
83	78.3	57.3	106.5
85	51.7	35.8	66.4



#47
 Tetrachloroethene
 Concen: 5.195 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

Tgt Ion:	164	Resp:	147296
Ion	Ratio	Lower	Upper
164	100		
129	88.0	63.0	117.0
131	83.2	60.6	112.6
166	121.9	87.6	162.8

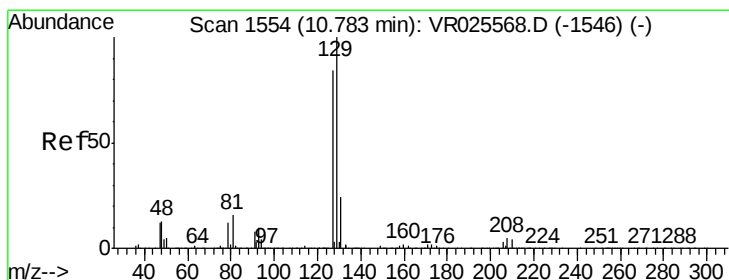
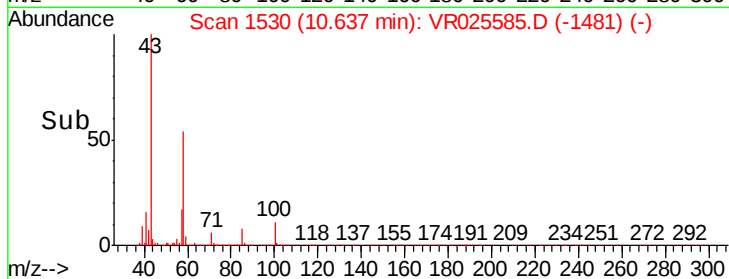
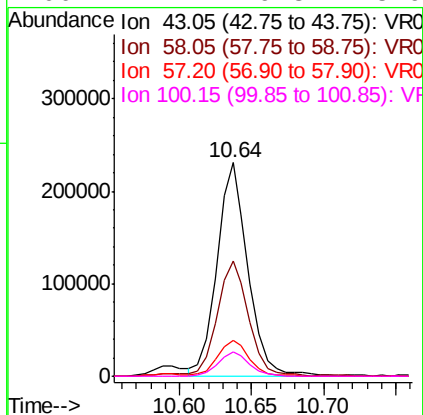
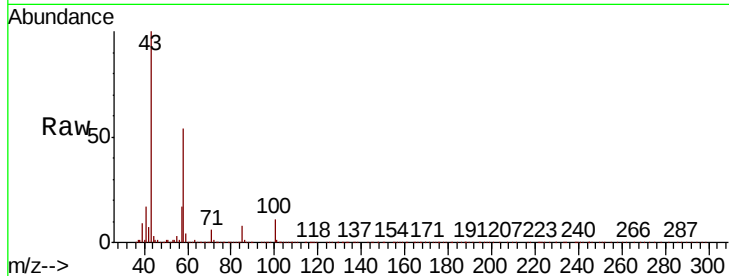




#48
2-Hexanone
Concen: 64.466 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

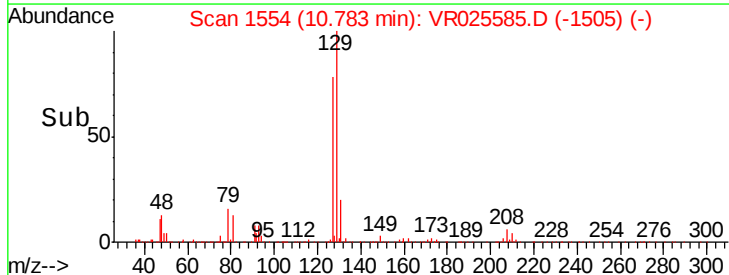
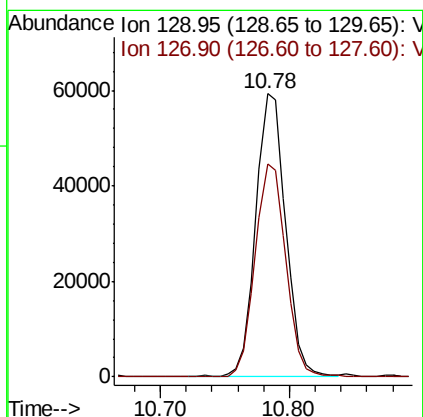
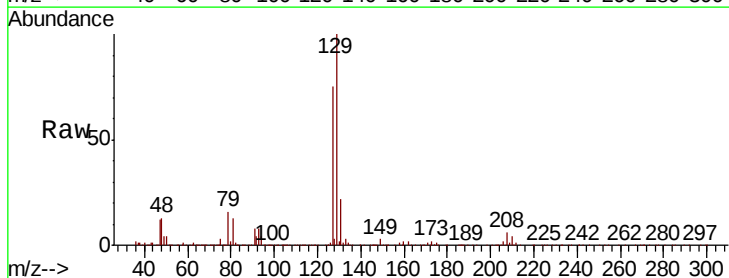
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

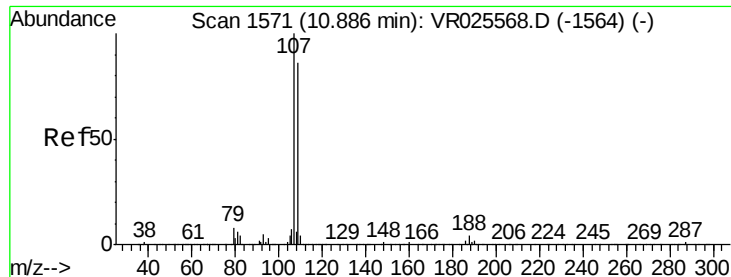
Tgt Ion:	43	Resp:	343608
Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.0	67.6
57	17.2	15.8	23.6
100	11.4	9.3	13.9



#49
Dibromochloromethane
Concen: 5.737 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Tgt Ion:	129	Resp:	94536
Ion	Ratio	Lower	Upper
129	100		
127	75.4	54.3	100.9

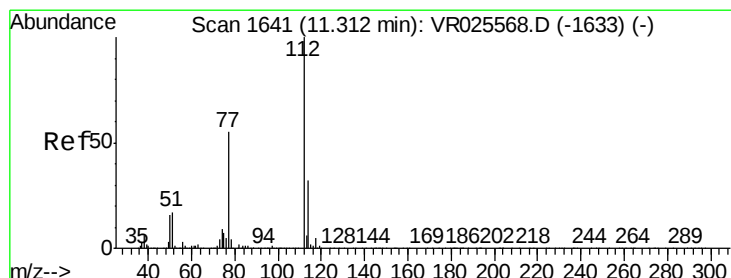
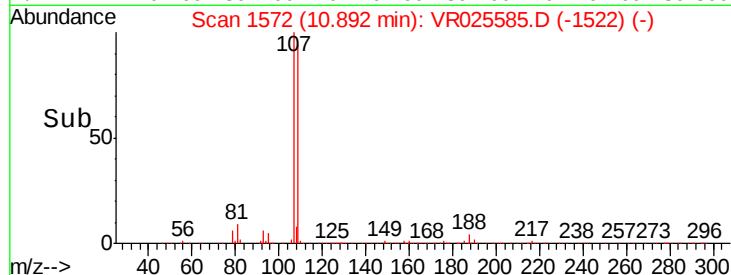
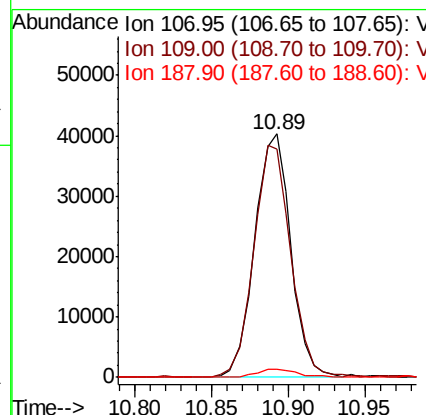
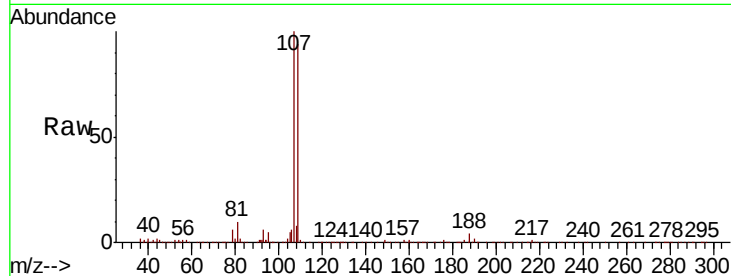




#50
1,2-Dibromoethane
Concen: 5.681 ug/L
RT: 10.89 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

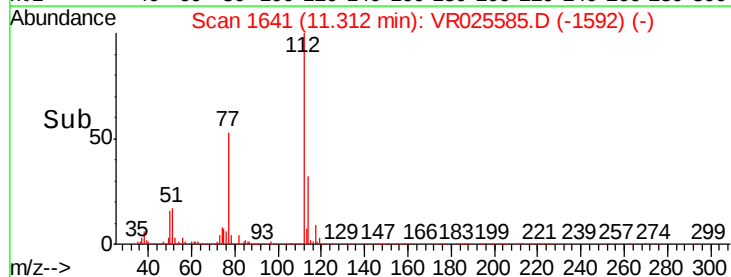
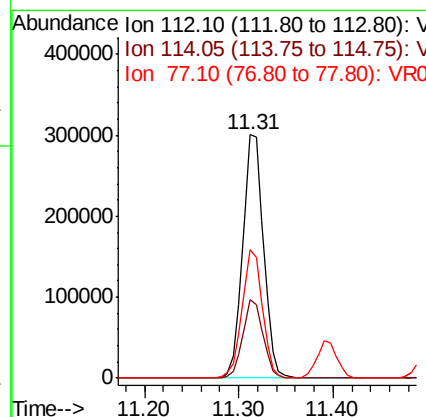
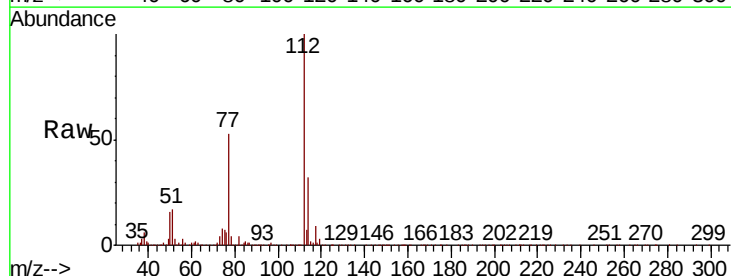
Instrument :
MSVOA_R
ClientSampled :
VSTD00593

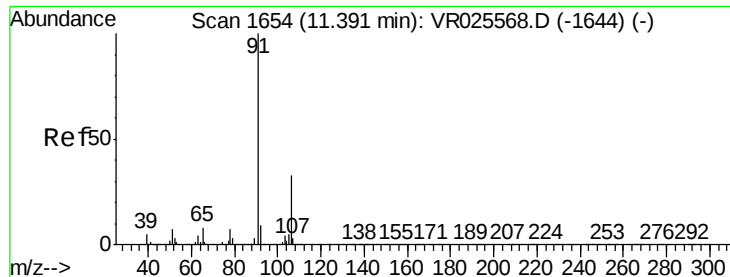
Tgt Ion:107 Resp: 66203
Ion Ratio Lower Upper
107 100
109 93.8 60.6 112.6
188 3.9 2.4 3.6#



#51
Chlorobenzene
Concen: 5.396 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Tgt Ion:112 Resp: 462995
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.4
77 52.6 41.8 62.8





#52

Ethylbenzene

Concen: 5.294 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

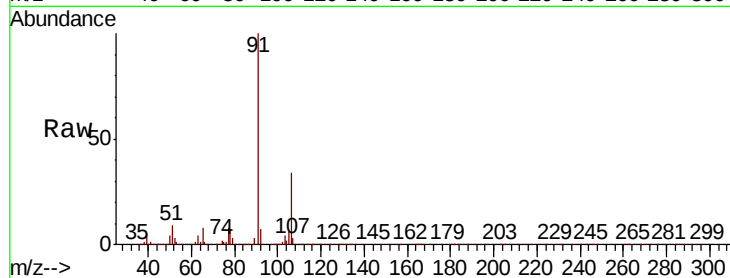
VSTD00593

Tgt Ion: 91 Resp: 816789

Ion Ratio Lower Upper

91 100

106 34.2 23.6 43.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.39

600000

500000

400000

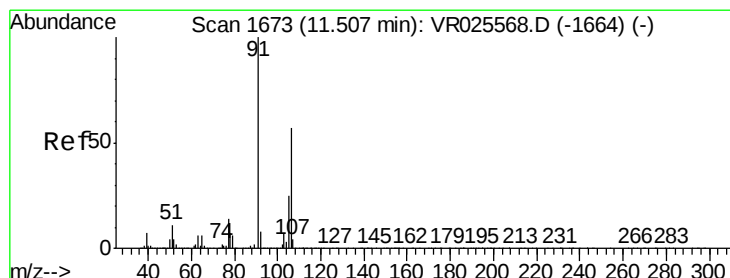
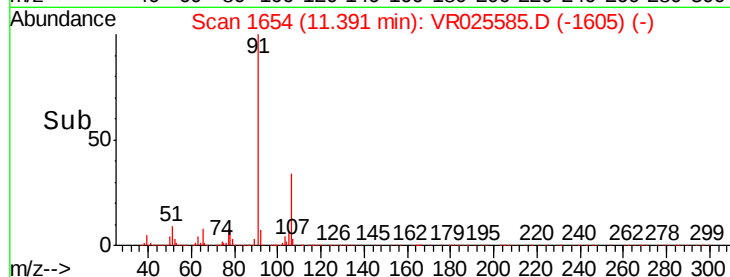
300000

200000

100000

0

Time--> 11.30 11.40



#53

m,p-Xylene

Concen: 5.432 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VR025585.D

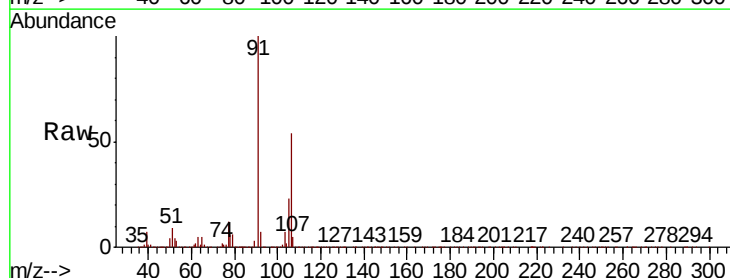
Acq: 7 Aug 2018 19:56

Tgt Ion: 106 Resp: 324268

Ion Ratio Lower Upper

106 100

91 186.3 128.2 238.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

11.51

600000

500000

400000

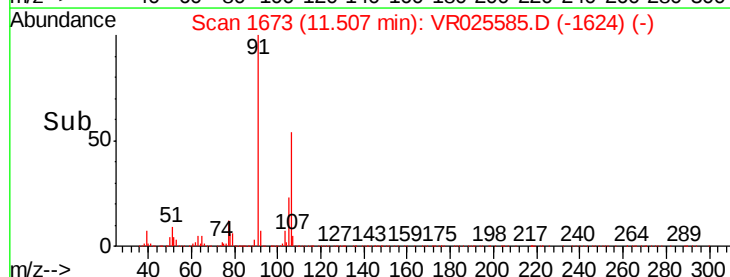
300000

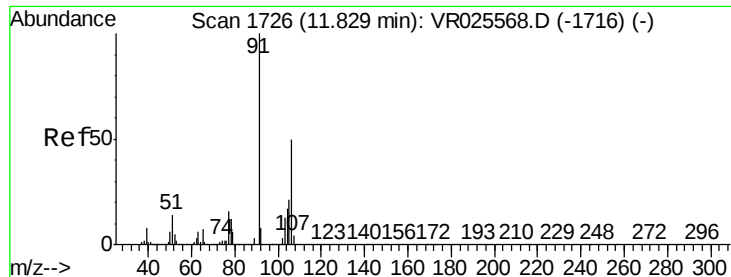
200000

100000

0

Time--> 11.40 11.50 11.60

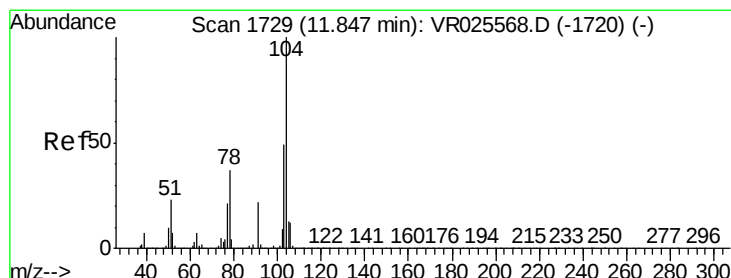
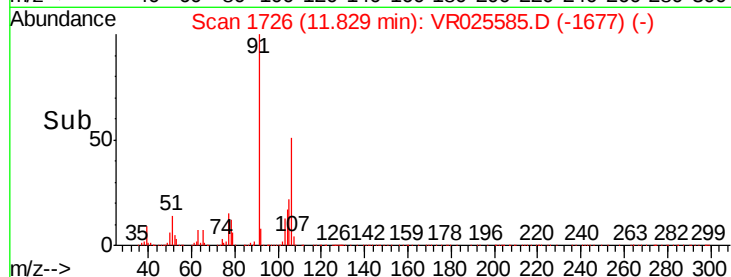
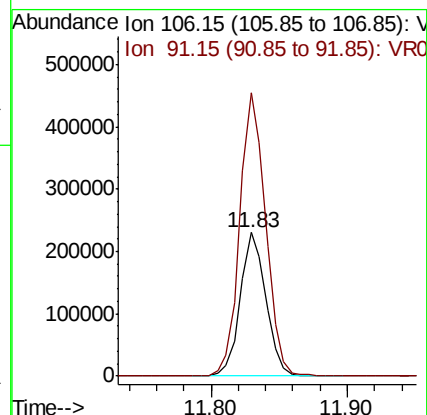
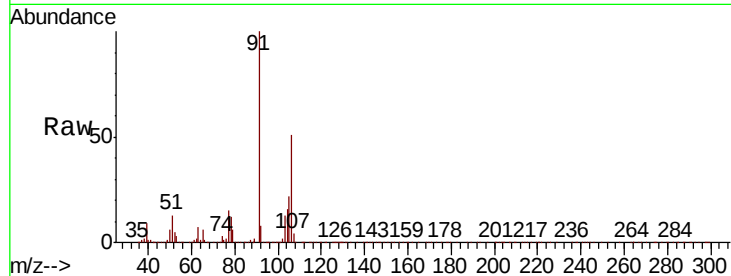




#54
o-Xylene
Concen: 5.534 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

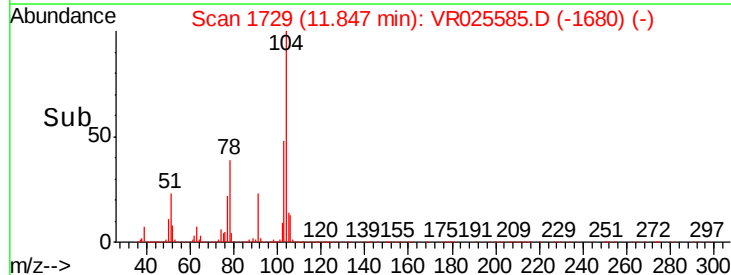
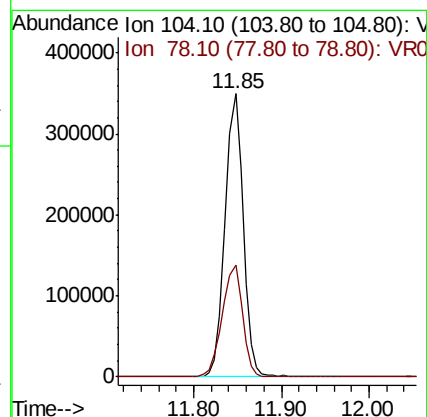
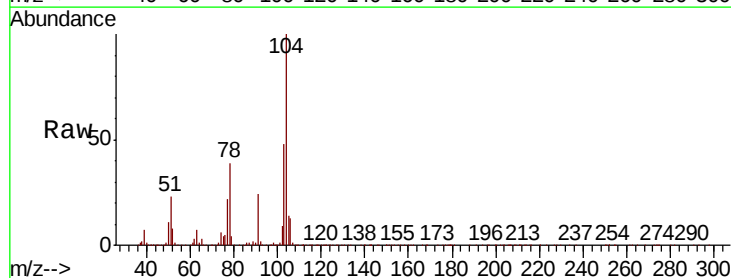
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

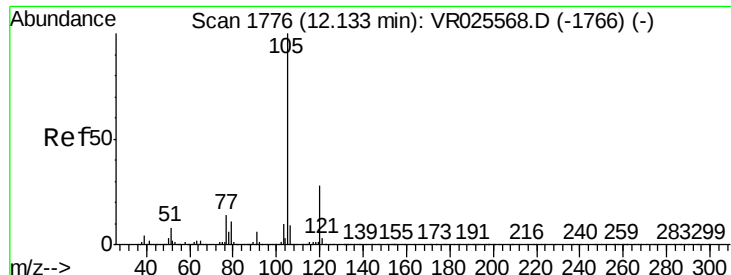
Tgt Ion:106 Resp: 303286
Ion Ratio Lower Upper
106 100
91 196.9 143.0 265.6



#55
Styrene
Concen: 5.734 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025585.D
Acq: 7 Aug 2018 19:56

Tgt Ion:104 Resp: 500584
Ion Ratio Lower Upper
104 100
78 39.3 26.0 48.2





#56

Isopropylbenzene

Concen: 5.367 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

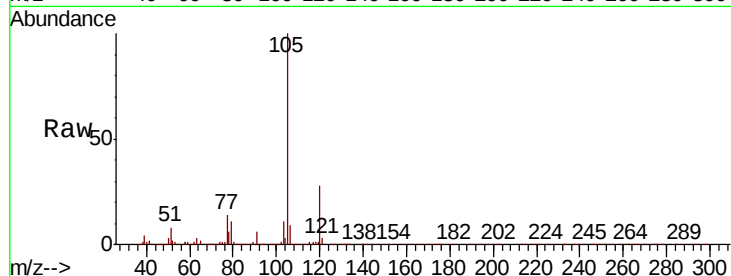
Tgt Ion: 105 Resp: 773693

Ion Ratio Lower Upper

105 100

120 28.2 22.5 33.7

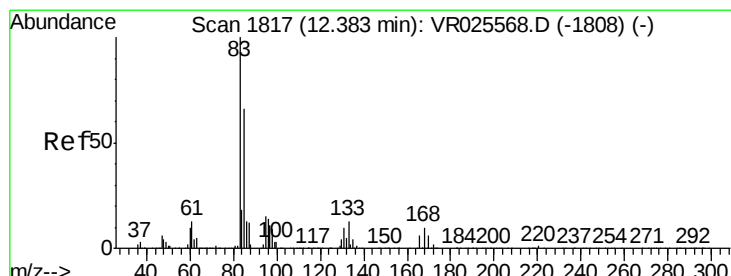
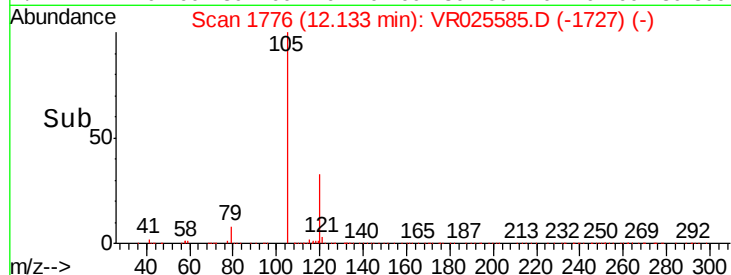
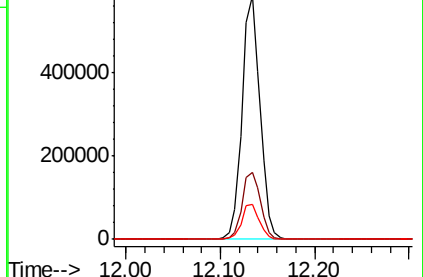
77 14.1 11.8 17.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.009 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

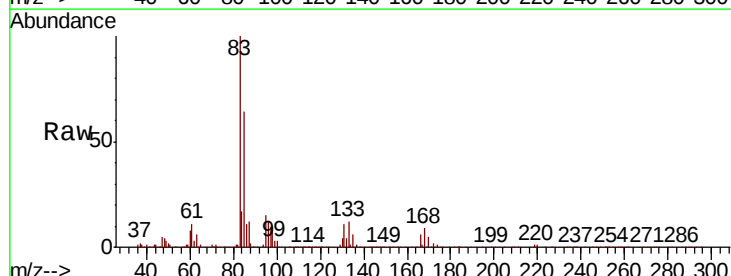
Tgt Ion: 83 Resp: 79543

Ion Ratio Lower Upper

83 100

85 64.2 42.5 78.9

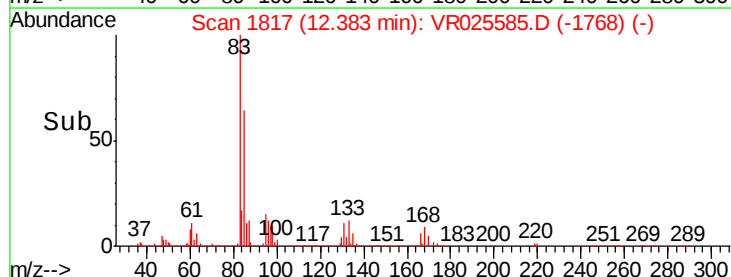
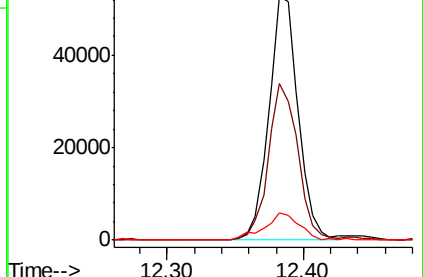
131 11.1 8.6 13.0

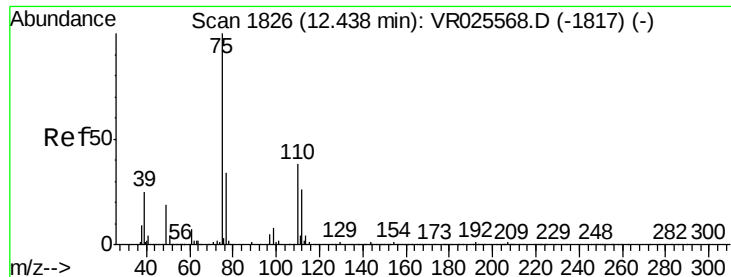


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

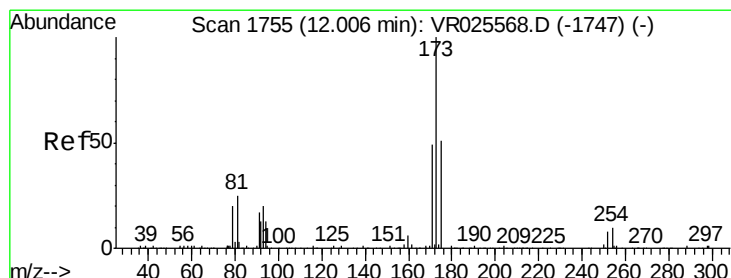
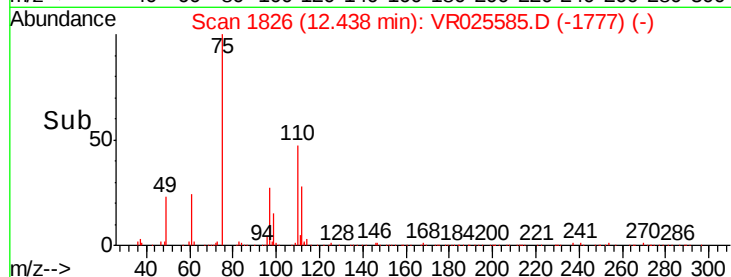
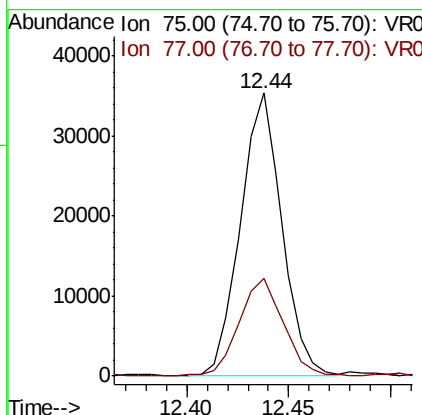
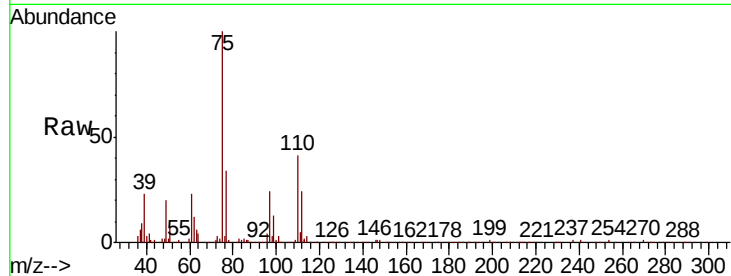




#59
 1,2,3-Trichloropropane
 Concen: 5.642 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

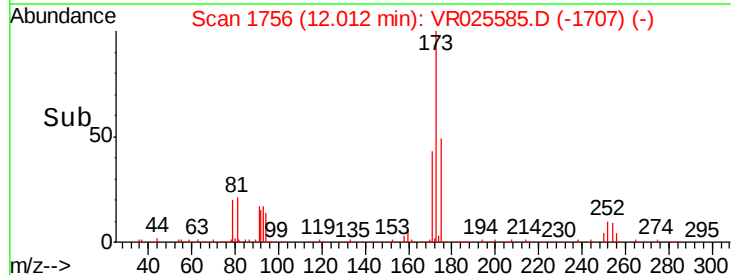
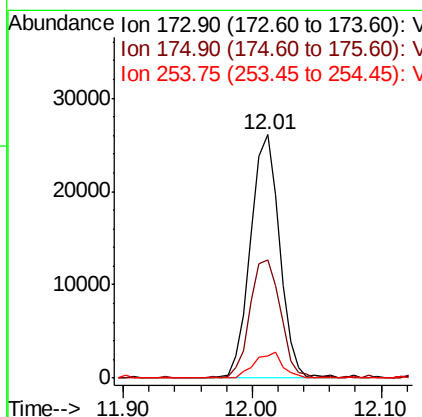
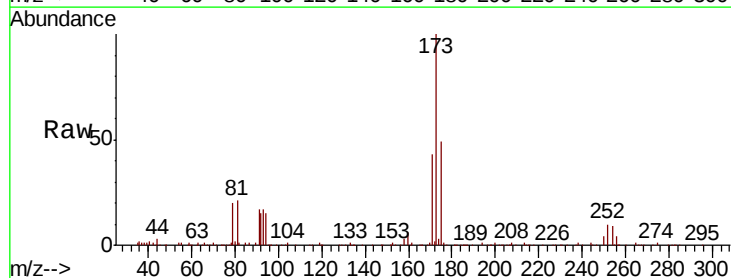
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

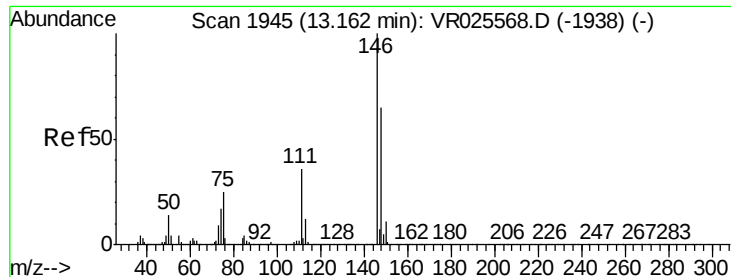
Tgt Ion: 75 Resp: 49896
 Ion Ratio Lower Upper
 75 100
 77 36.8 24.7 37.1



#61
 Bromoform
 Concen: 5.069 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

Tgt Ion: 173 Resp: 40438
 Ion Ratio Lower Upper
 173 100
 175 51.4 39.3 58.9
 254 10.4 7.5 11.3

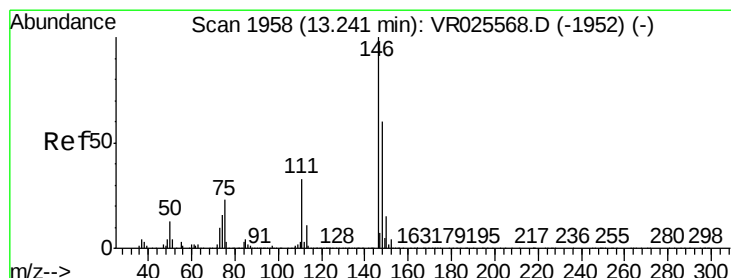
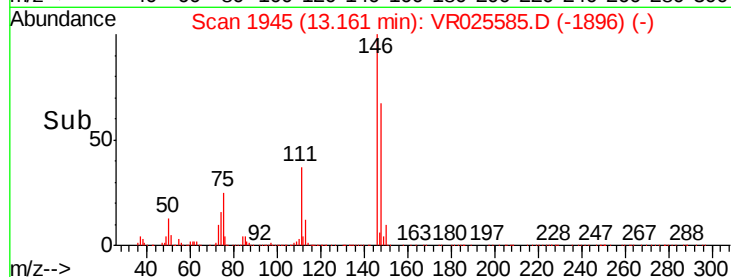
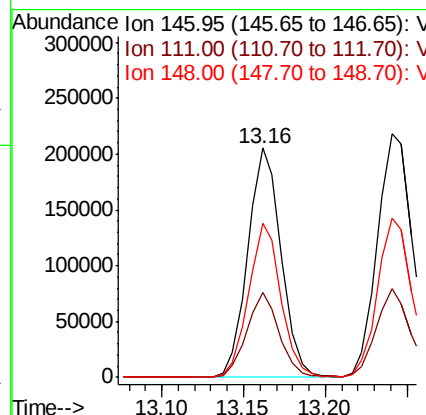
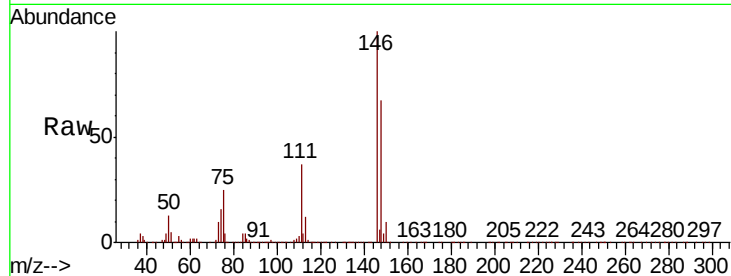




#62
 1,3-Dichlorobenzene
 Concen: 5.046 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

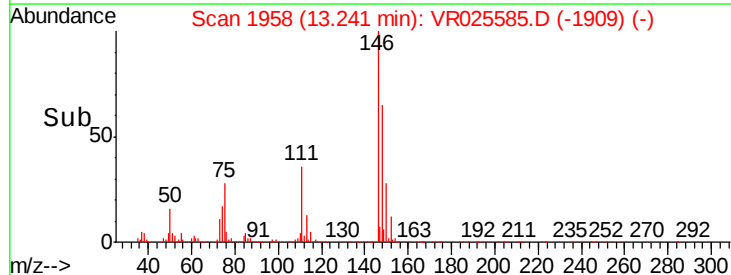
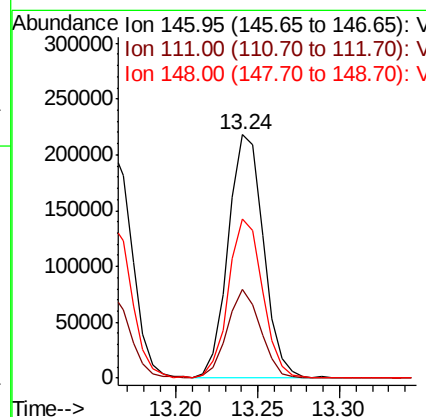
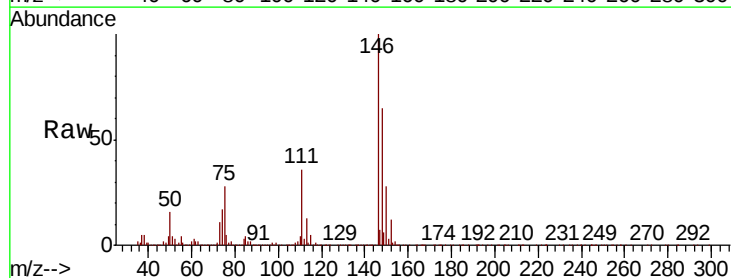
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

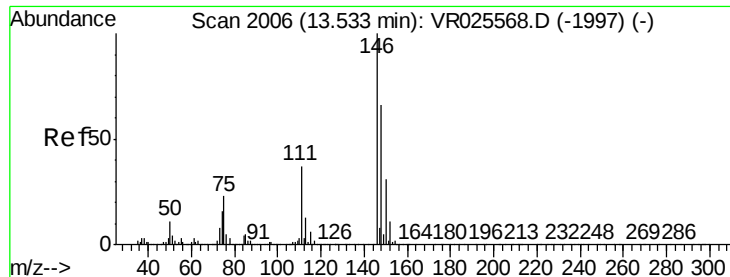
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.2	48.6
148	67.2	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.212 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	25.6	47.6
148	65.1	44.2	82.0





#65

1,2-Dichlorobenzene

Concen: 5.379 ug/L

RT: 13.53 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

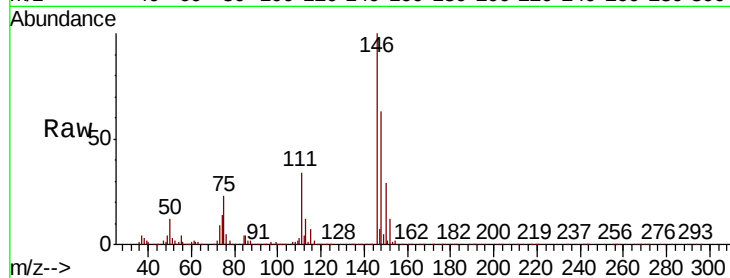
Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

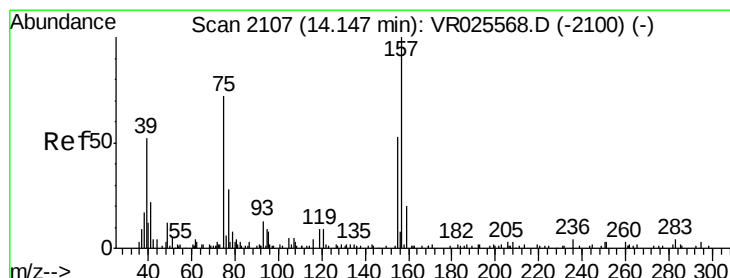
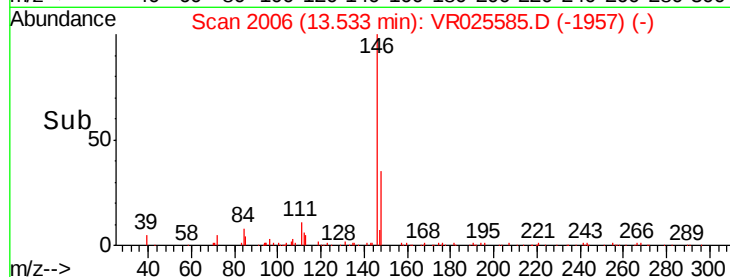
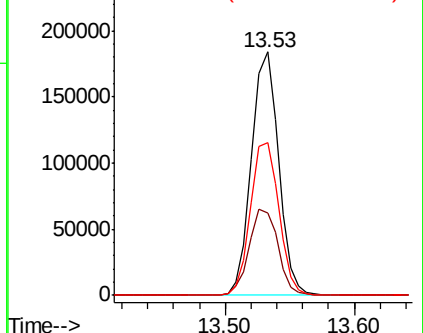
Tgt Ion:	146	Resp:	267644
Ion	Ratio	Lower	Upper
146	100		
111	33.8	28.9	43.3
148	62.6	52.1	78.1



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: 4.420 ug/L

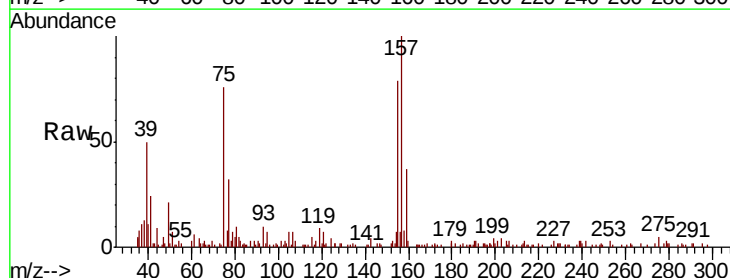
RT: 14.15 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

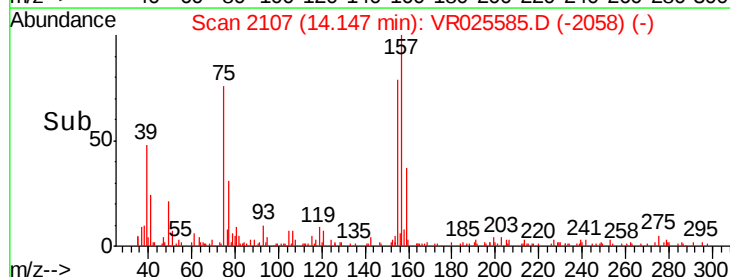
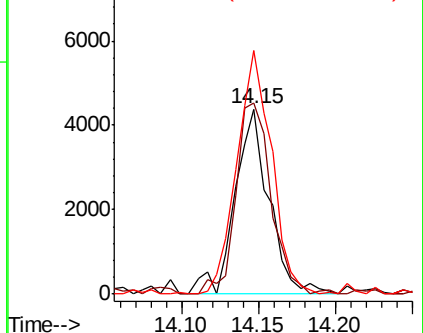
Tgt Ion:	75	Resp:	6805
Ion	Ratio	Lower	Upper
75	100		
155	103.4	62.3	93.5#
157	131.5	67.7	101.5#

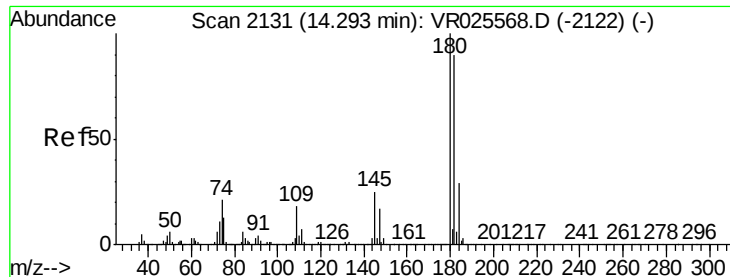


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

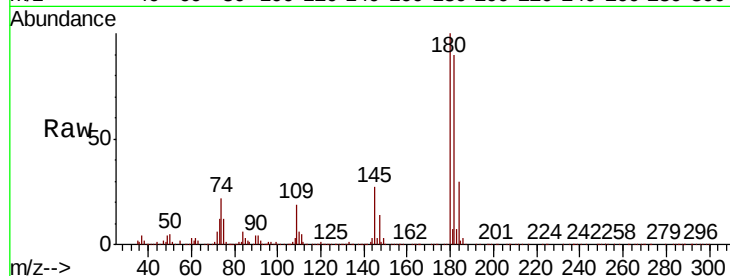




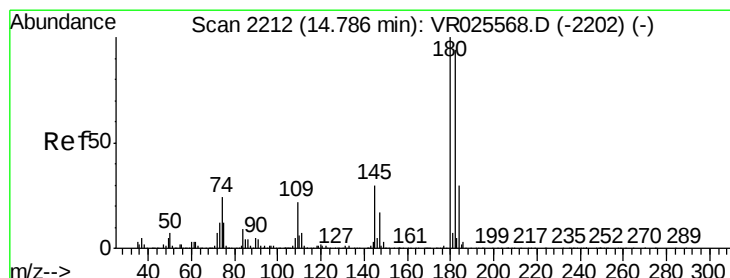
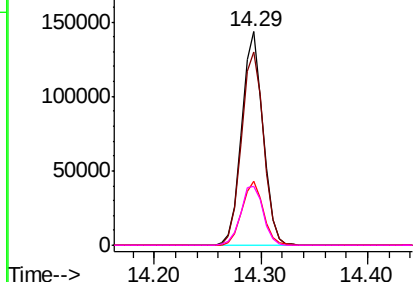
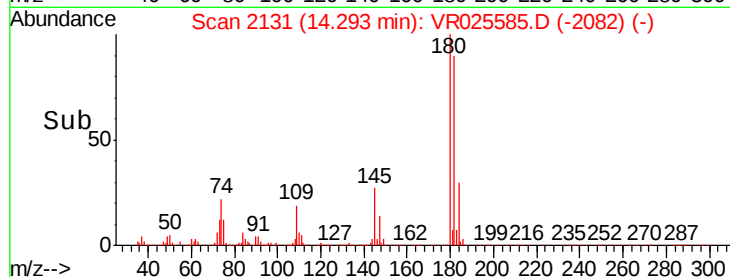
#67
 1,3,5-Trichlorobenzene
 Concen: 5.114 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Tgt Ion:	180	Resp:	201315
Ion Ratio	Lower	Upper	
180	100		
182	94.5	75.0	112.4
184	29.8	24.1	36.1
145	29.5	24.1	36.1

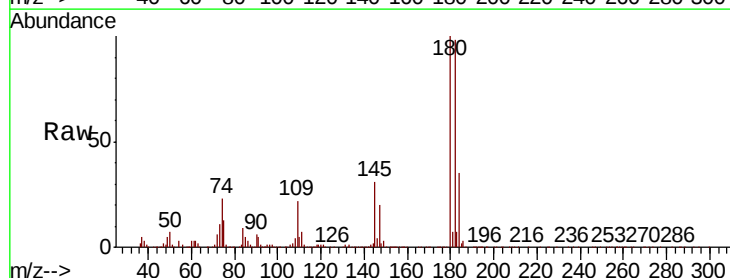


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

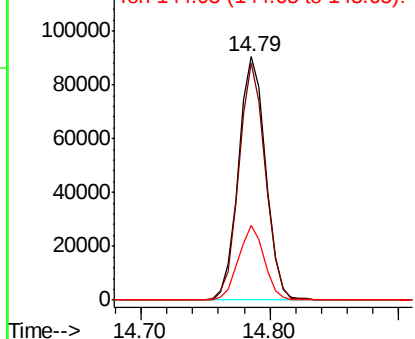
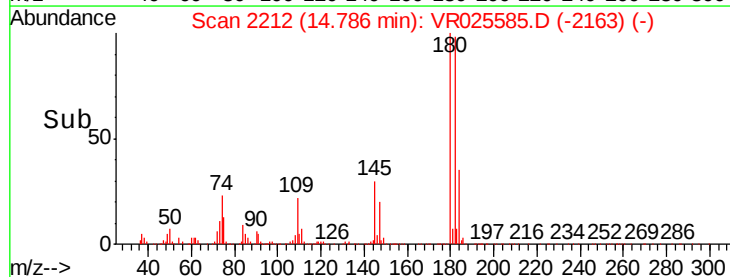


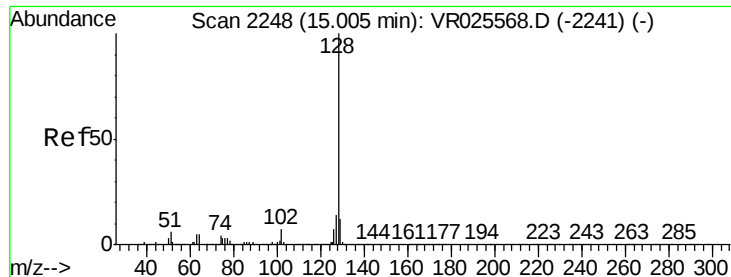
#68
 1,2,4-trichlorobenzene
 Concen: 5.208 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025585.D
 Acq: 7 Aug 2018 19:56

Tgt Ion:	180	Resp:	131754
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.8	115.2
145	28.8	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: 4.907 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

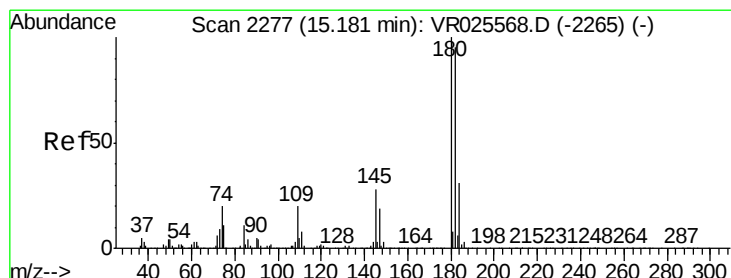
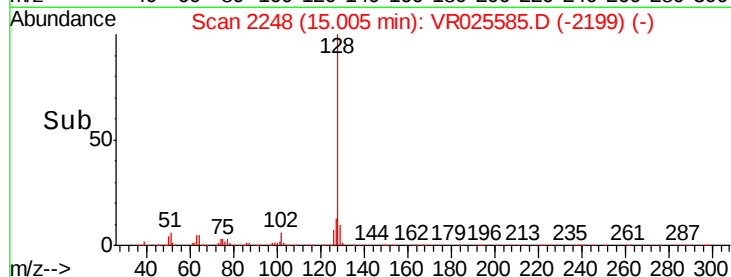
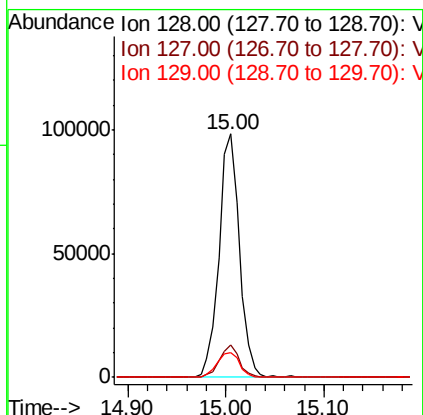
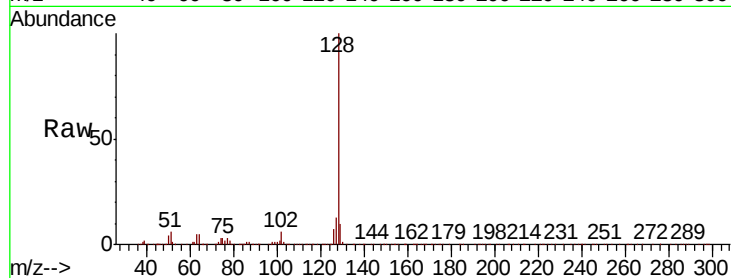
Instrument :

MSVOA_R

ClientSampled :

VSTD00593

Tgt Ion:	128	Resp:	141797
Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.1	16.7
129	11.5	8.9	13.3



#70

1,2,3-Trichlorobenzene

Concen: 5.753 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025585.D

Acq: 7 Aug 2018 19:56

Tgt Ion:	180	Resp:	111913
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
145	31.6	26.1	39.1

