

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080818\
 Data File : VR025587.D
 Acq On : 8 Aug 2018 9:50
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Aug 09 04:21:53 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	791589	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	686402	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	307812	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	190146	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	2.64	69	141453	3.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.20%
11) 1,1-Dichloroethene-d2	3.64	63	466396	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	6.60	46	190461	46.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.96%
24) Chloroform-d	7.21	84	355471	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	7.91	65	120969	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	7.86	84	821254	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	8.90	67	210889	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	9.97	98	832314	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	10.24	79	53635	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	10.59	63	193776	49.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.12%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	97418	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	205798	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	191601	4.228	ug/L	100
3) Chloromethane	2.02	50	250923	4.192	ug/L	91
5) Vinyl chloride	2.16	62	231943	3.878	ug/L	98
6) Bromomethane	2.53	94	118715	3.609	ug/L	90
8) Chloroethane	2.67	64	120676	3.633	ug/L	97
9) Trichlorofluoromethane	2.94	101	98270	1.203	ug/L #	2
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	224514	4.253	ug/L	94
12) 1,1-Dichloroethene	3.66	96	240160	4.247	ug/L	90
13) Acetone	3.71	43	177537	52.099	ug/L	96
14) Carbon disulfide	3.96	76	511346	3.904	ug/L #	95
15) Methyl Acetate	4.20	43	43722	4.063	ug/L	95
16) Methylene chloride	4.41	84	138272	2.896	ug/L	94
17) Methyl tert-butyl Ether	4.90	73	247379	4.359	ug/L #	90
18) trans-1,2-Dichloroethene	4.89	96	246383	4.550	ug/L	97
19) 1,1-Dichloroethane	5.70	63	347284	4.383	ug/L	94
21) 2-Butanone	6.70	43	248674	52.525	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	236849	4.789	ug/L #	97

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

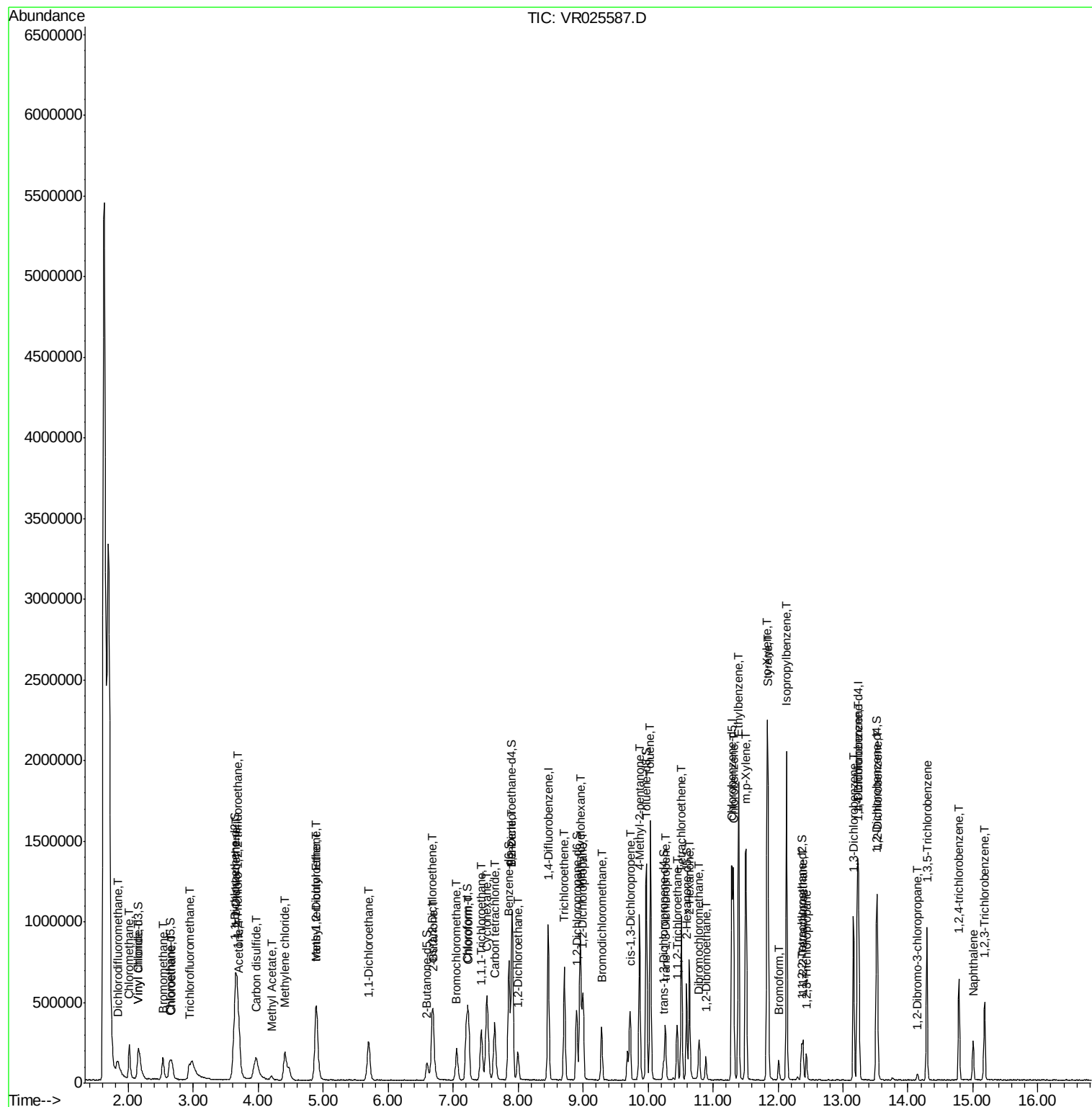
23) Bromochloromethane	7.05	128	79608	4.852	ug/L	92
25) Chloroform	7.24	83	352604	4.495	ug/L	100
27) 1,2-Dichloroethane	8.00	62	140991	4.510	ug/L #	84
29) 1,1,1-Trichloroethane	7.43	97	263785	4.339	ug/L	99
30) Cyclohexane	7.52	56	325265	4.645	ug/L	99
31) Carbon tetrachloride	7.64	117	277329	4.420	ug/L	98
33) Benzene	7.91	78	965724	4.555	ug/L	100
34) Trichloroethene	8.71	95	231539	4.390	ug/L	98
35) Methylcyclohexane	8.96	83	387045	4.881	ug/L	98
37) 1,2-Dichloropropane	8.99	63	202630	4.540	ug/L	99
38) Bromodichloromethane	9.29	83	203525	4.463	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	238221	4.834	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	637147	50.654	ug/L	98
42) Toluene	10.03	91	1108777	4.910	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	163324	4.747	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	100363	4.515	ug/L	94
47) Tetrachloroethene	10.52	164	218227	4.836	ug/L	97
48) 2-Hexanone	10.64	43	425012	50.104	ug/L	97
49) Dibromochloromethane	10.79	129	122000	4.652	ug/L	96
50) 1,2-Dibromoethane	10.89	107	83915	4.525	ug/L	91
51) Chlorobenzene	11.31	112	644712	4.721	ug/L	97
52) Ethylbenzene	11.39	91	1197046	4.875	ug/L	99
53) m,p-Xylene	11.51	106	476516	5.016	ug/L	100
54) o-Xylene	11.83	106	445710	5.110	ug/L	95
55) Styrene	11.85	104	700077	5.039	ug/L	97
56) Isopropylbenzene	12.13	105	1162864	5.069	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	100750	4.782	ug/L	98
59) 1,2,3-Trichloropropane	12.44	75	64775	4.603	ug/L	97
61) Bromoform	12.01	173	53524	4.365	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	397842	4.470	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	441442	4.569	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	348201	4.553	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8727	3.688	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	279079	4.613	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	176072	4.529	ug/L	97
69) Naphthalene	15.00	128	182223	4.103	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	150641	5.038	ug/L	98

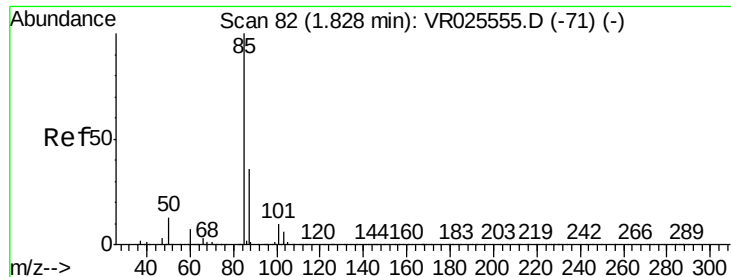
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.228 ug/L

RT: 1.84 min Scan# 84

Delta R.T. 0.01 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

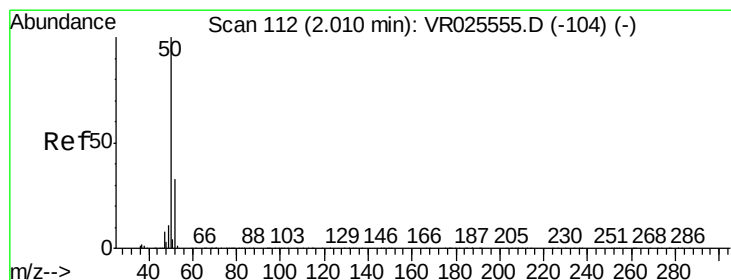
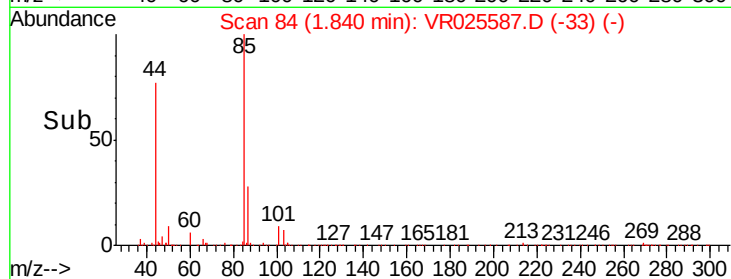
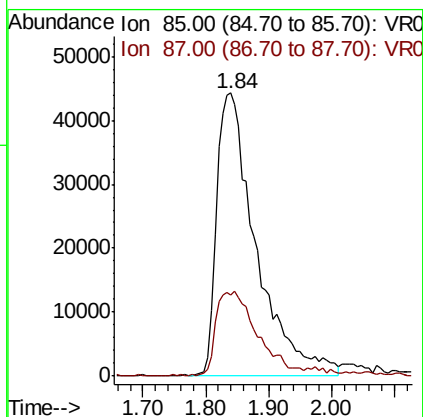
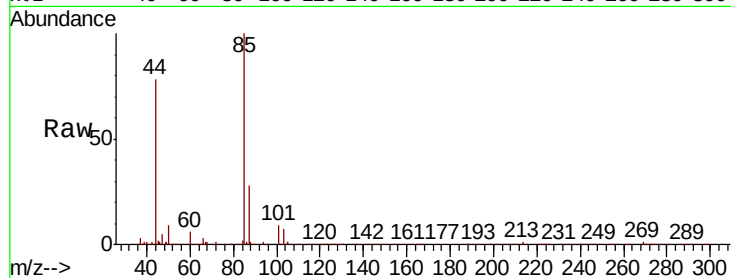
ClientSampleId :

Tot Ion: 85 Resp: 191601

Ion Ratio Lower Upper

85 100

87 31.3 25.0 37.6



#3

Chloromethane

Concen: 4.192 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025587.D

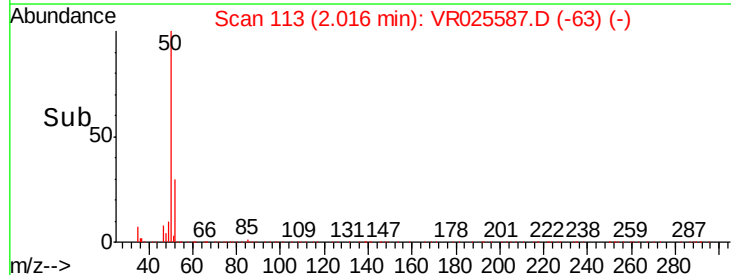
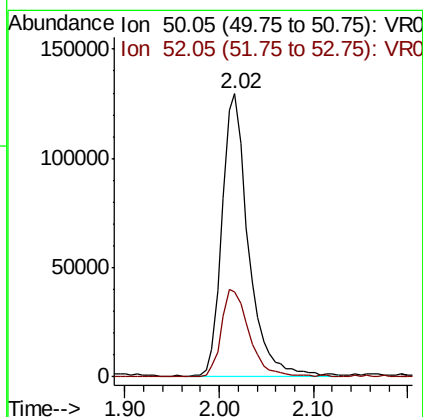
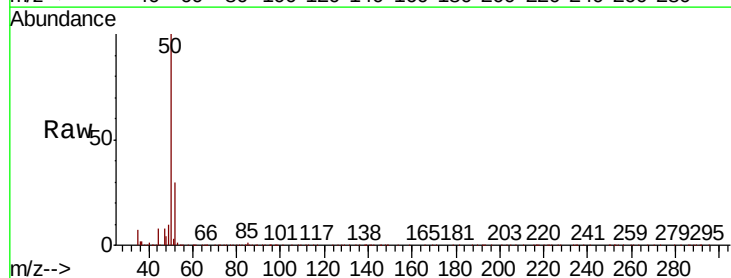
Acq: 8 Aug 2018 9:50

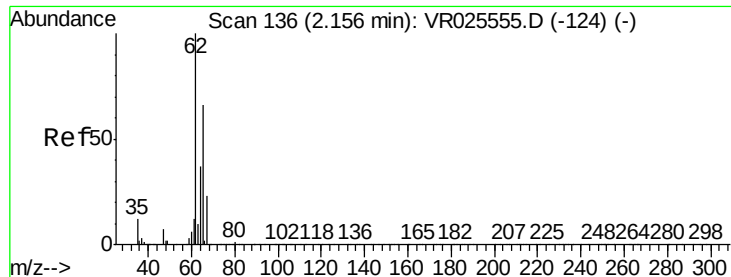
Tgt Ion: 50 Resp: 250923

Ion Ratio Lower Upper

50 100

52 29.9 24.4 45.4





#5

Vinyl chloride

Concen: 3.878 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.01 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

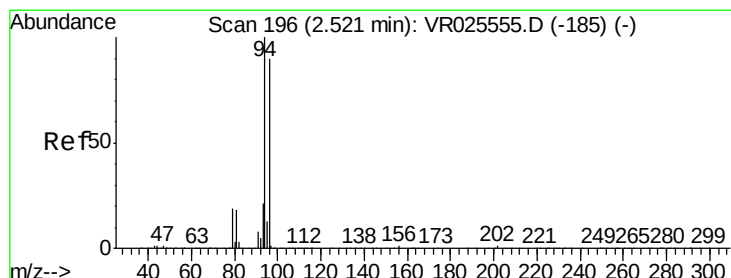
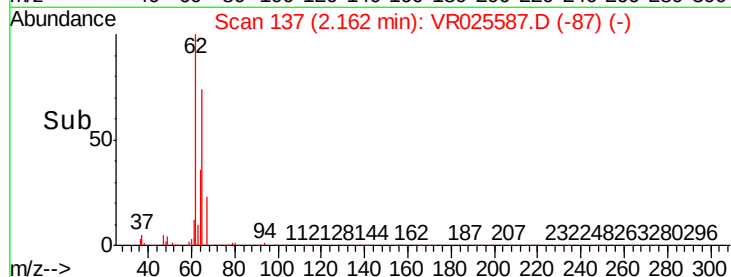
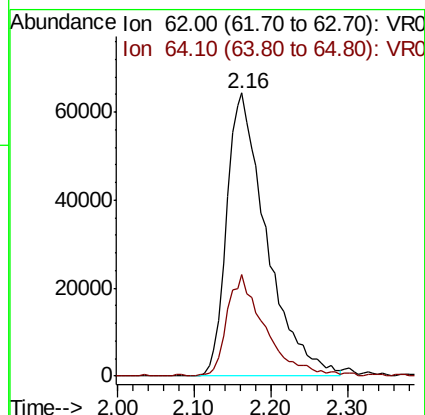
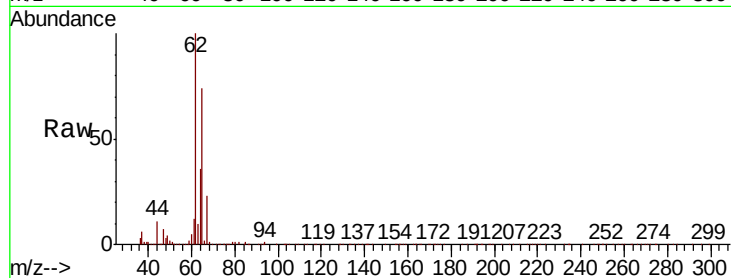
ClientSampleId :

Tot Ion: 62 Resp: 231943

Ion Ratio Lower Upper

62 100

64 35.8 24.1 44.8



#6

Bromomethane

Concen: 3.609 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025587.D

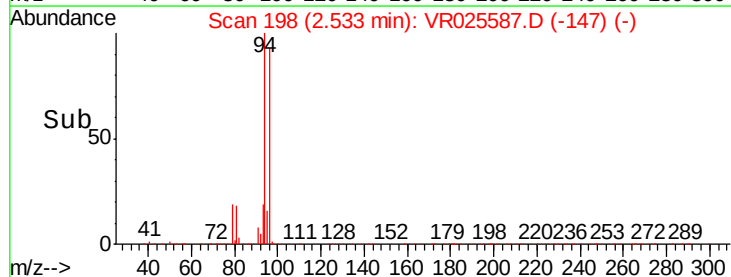
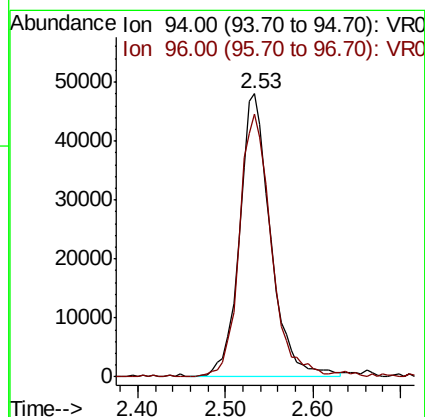
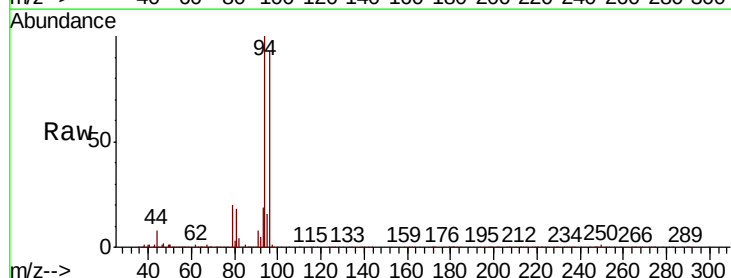
Acq: 8 Aug 2018 9:50

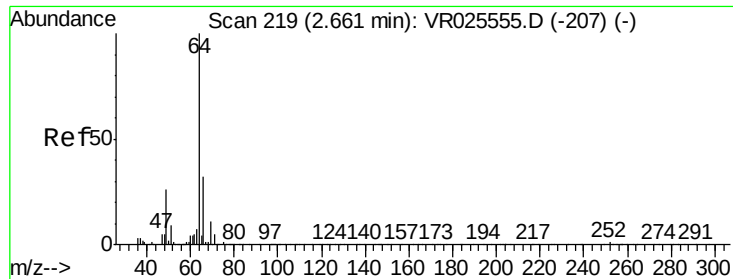
Tgt Ion: 94 Resp: 118715

Ion Ratio Lower Upper

94 100

96 92.7 72.0 133.6

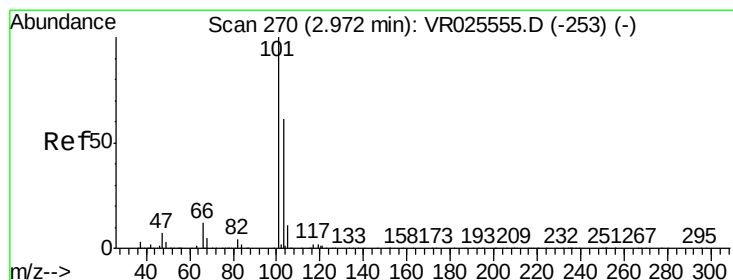
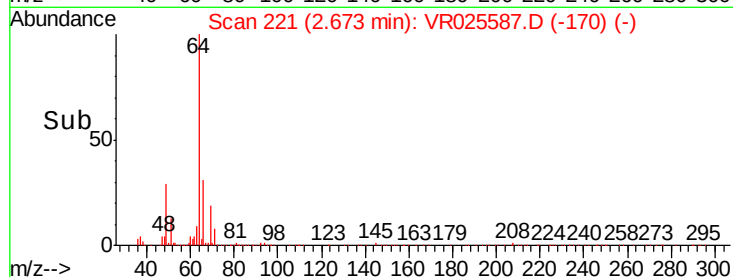
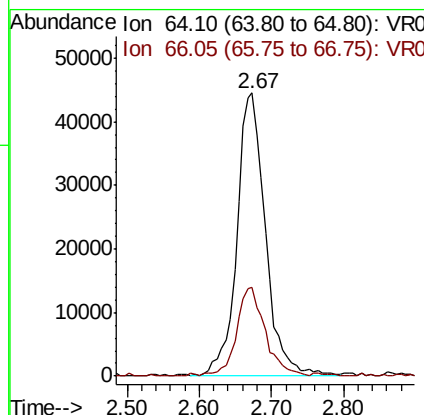
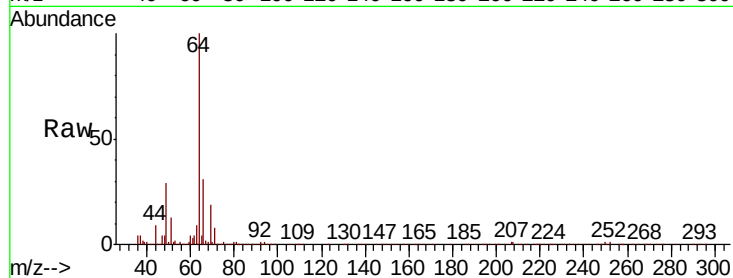




#8
Chloroethane
Concen: 3.633 ug/L
RT: 2.67 min Scan# 221
Delta R.T. 0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

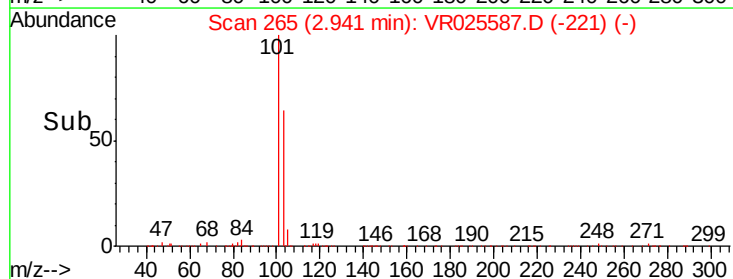
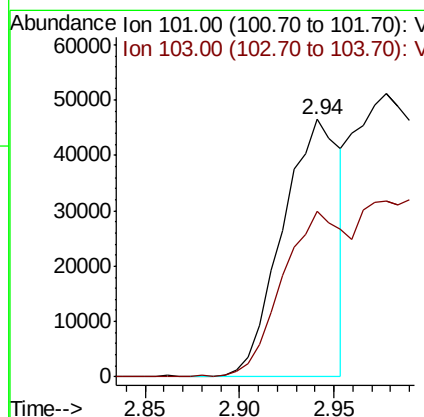
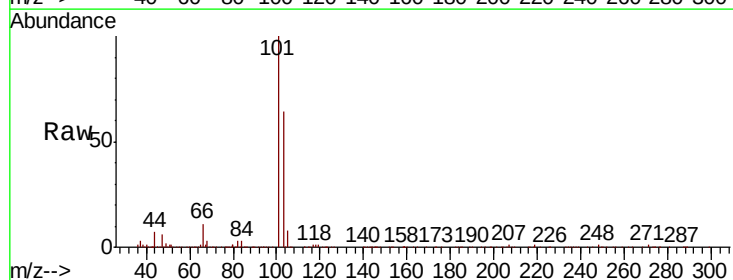
Instrument :
MSVOA_R
ClientSampleId :

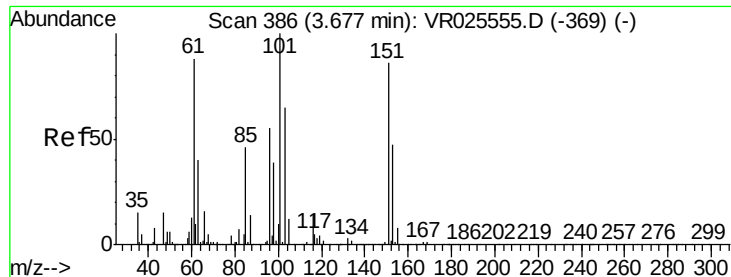
Tot Ion: 64 Resp: 120676
Ion Ratio Lower Upper
64 100
66 31.3 20.9 38.9



#9
Trichlorofluoromethane
Concen: 1.203 ug/L
RT: 2.94 min Scan# 265
Delta R.T. -0.03 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion: 101 Resp: 98270
Ion Ratio Lower Upper
101 100
103 73.6 19.8 29.6#





#10

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

Concen: 4.253 ug/L

RT: 3.69 min Scan# 388

Delta R.T. 0.01 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

ClientSampled :

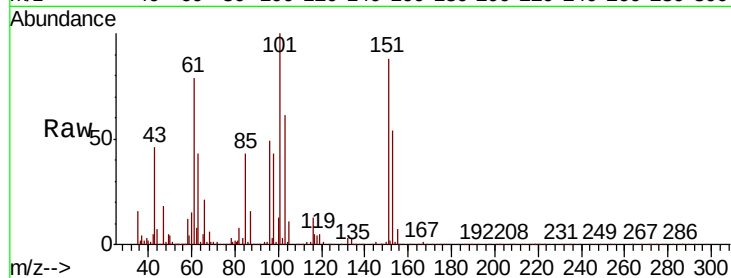
Tot Ion:101 Resp: 224514

Ion Ratio Lower Upper

101 100

85 44.6 37.4 56.0

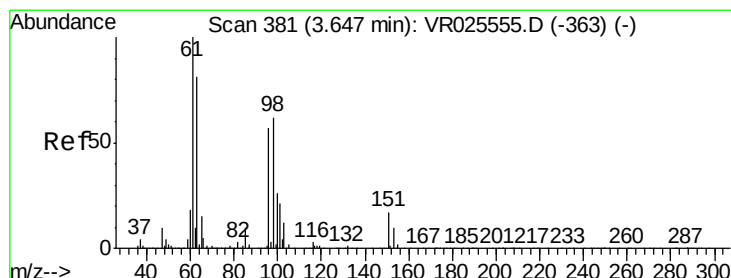
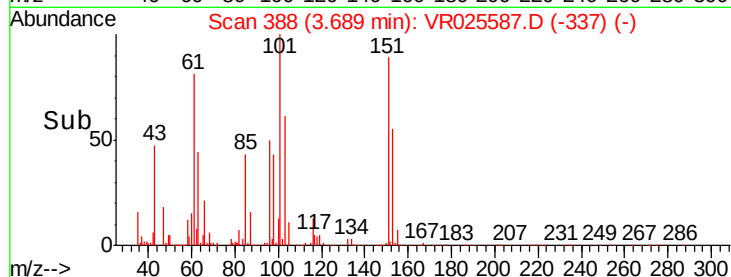
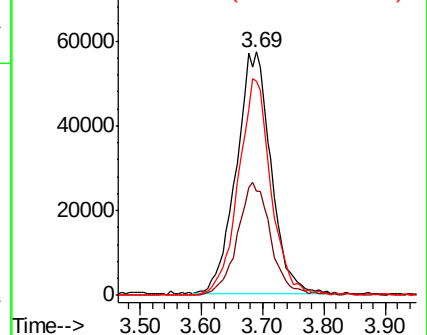
151 83.8 61.9 92.9



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: 4.247 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

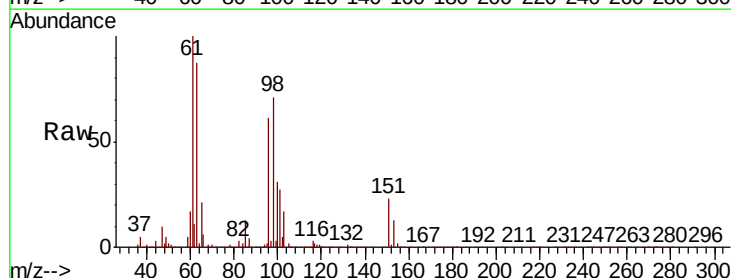
Tgt Ion: 96 Resp: 240160

Ion Ratio Lower Upper

96 100

61 163.0 124.3 230.8

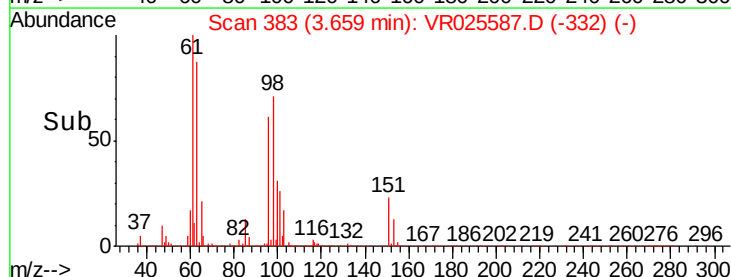
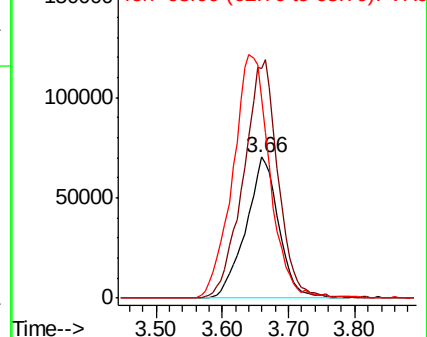
63 142.3 108.1 200.7

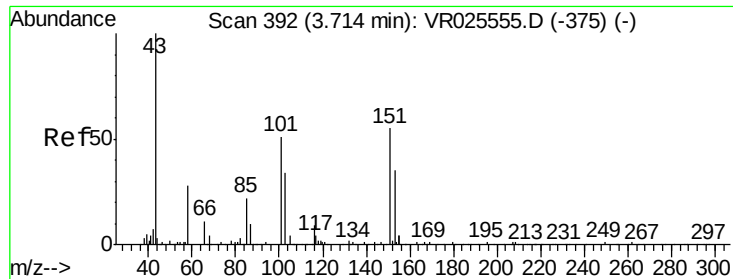


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

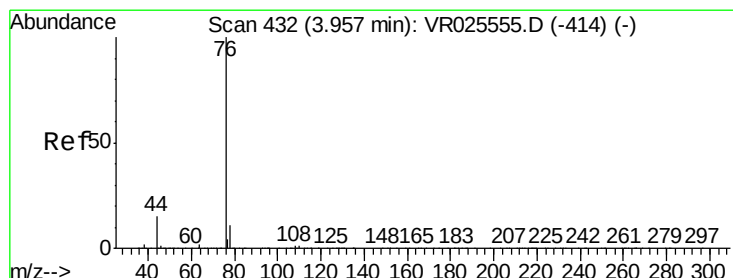
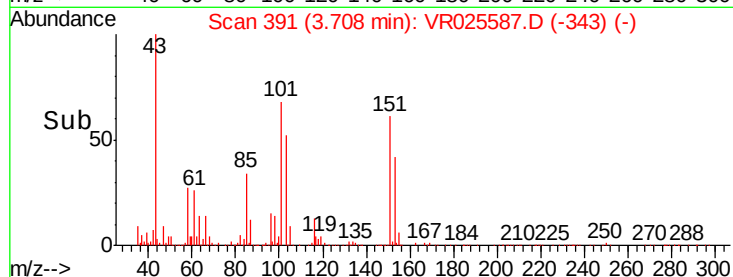
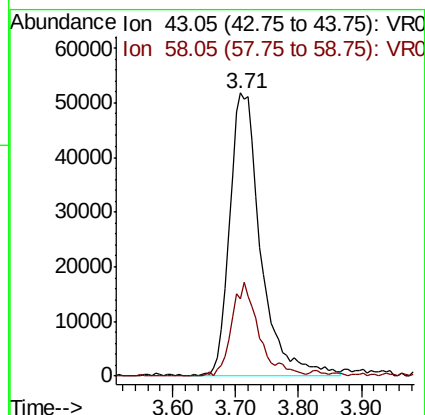
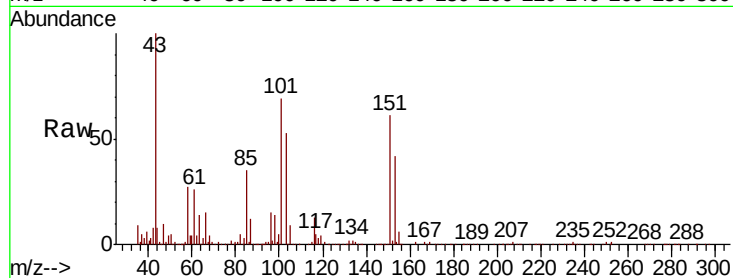




#13
Acetone
Concen: 52.099 ug/L
RT: 3.71 min Scan# 391
Delta R.T. -0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

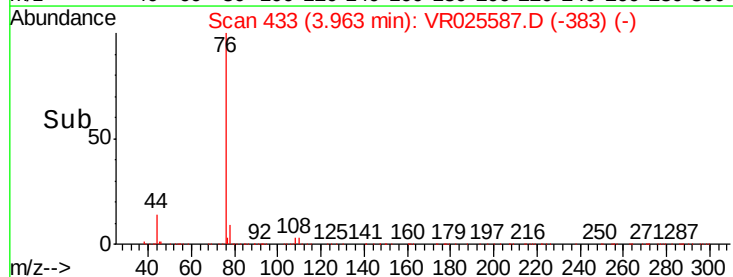
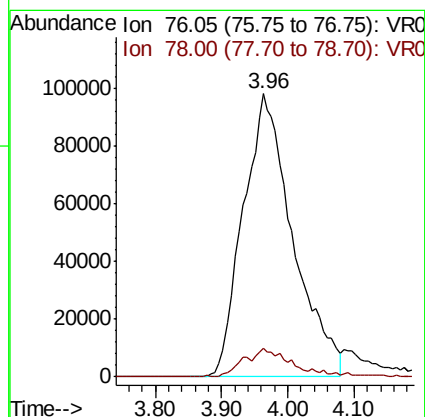
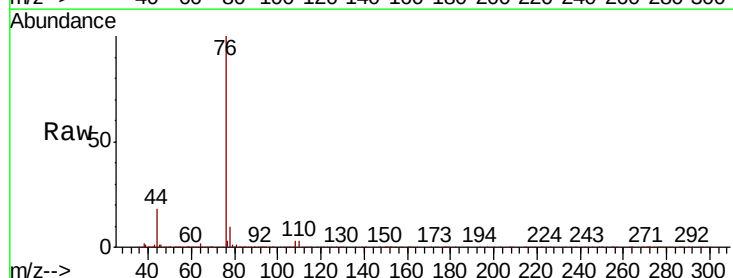
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ClientSampled :

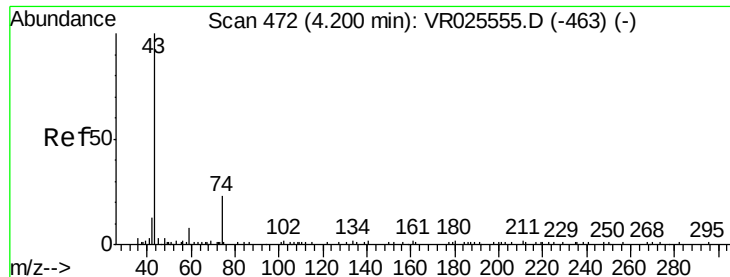
Tot Ion: 43 Resp: 177537
Ion Ratio Lower Upper
43 100
58 28.9 0.0 53.4



#14
Carbon disulfide
Concen: 3.904 ug/L
RT: 3.96 min Scan# 433
Delta R.T. 0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion: 76 Resp: 511346
Ion Ratio Lower Upper
76 100
78 10.3 6.8 10.2#

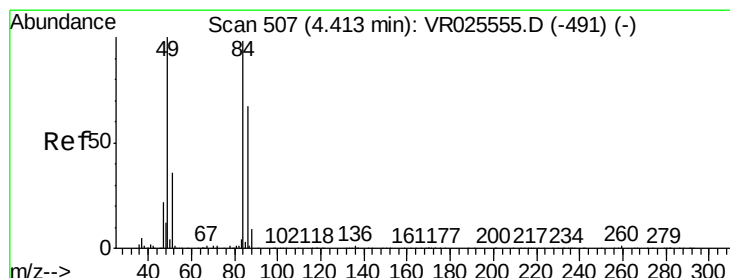
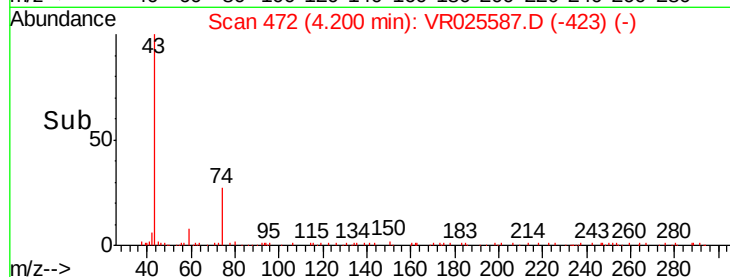
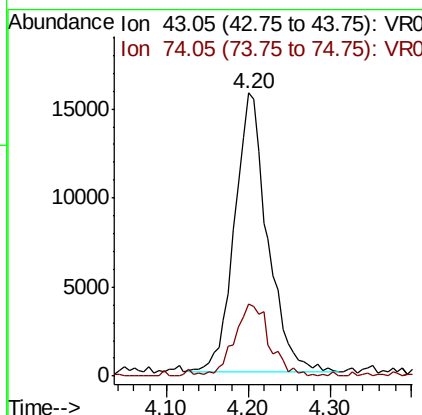
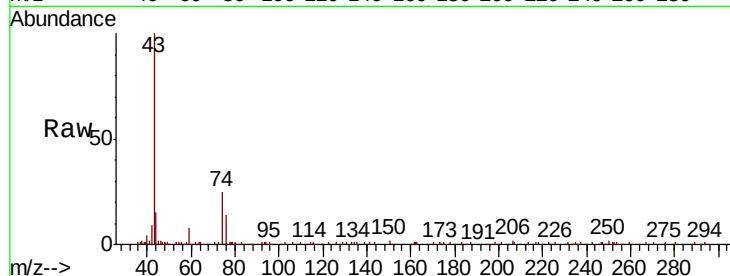




#15
Methyl Acetate
Concen: 4.063 ug/L
RT: 4.20 min Scan# 472
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

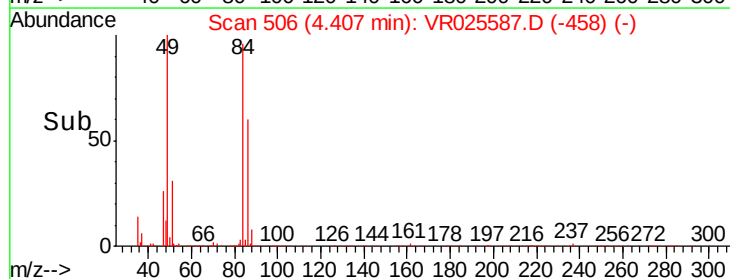
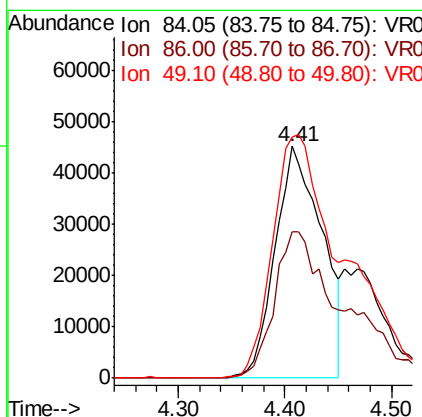
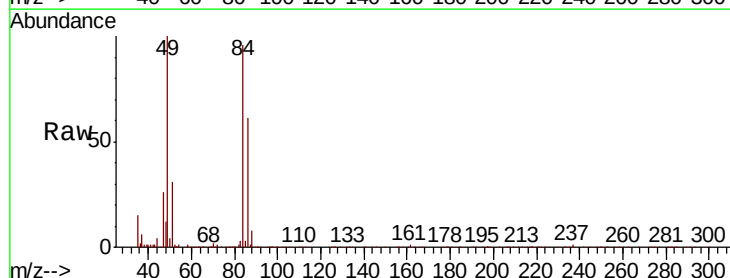
Instrument :
MSVOA_R
ClientSampleId :

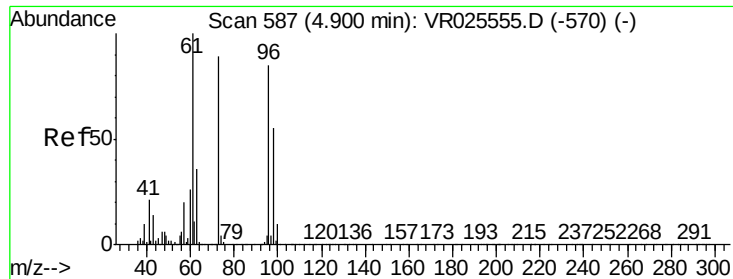
Tot Ion: 43 Resp: 43722
Ion Ratio Lower Upper
43 100
74 27.2 19.8 29.6



#16
Methylene chloride
Concen: 2.896 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion: 84 Resp: 138272
Ion Ratio Lower Upper
84 100
86 63.0 40.4 75.0
49 103.9 76.2 141.4

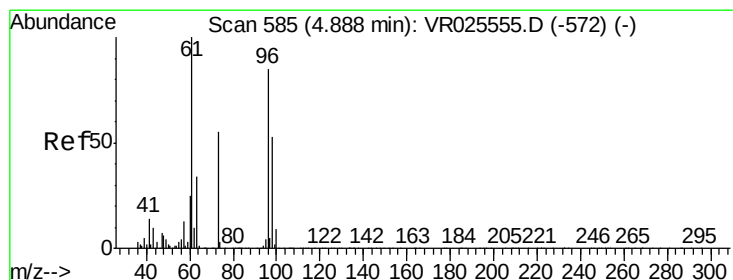
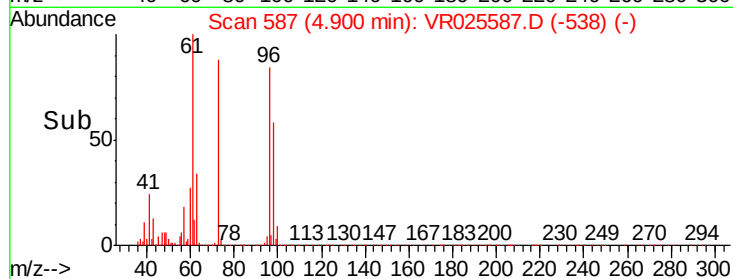
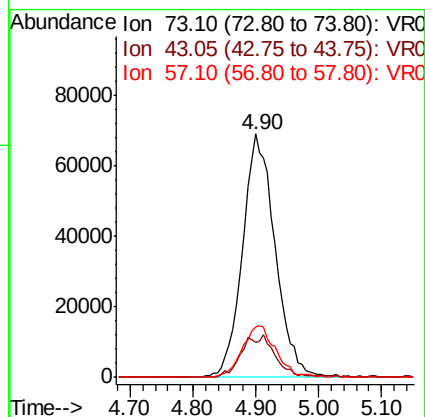
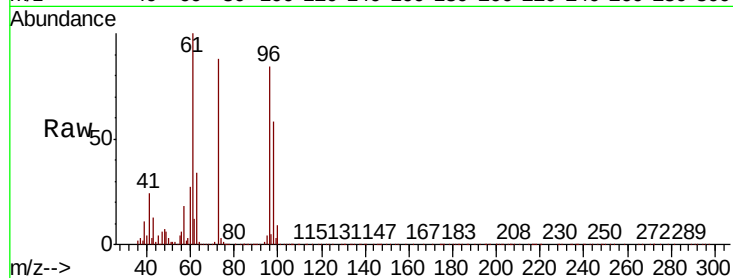




#17
Methyl tert-butyl Ether
Concen: 4.359 ug/L
RT: 4.90 min Scan# 587
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

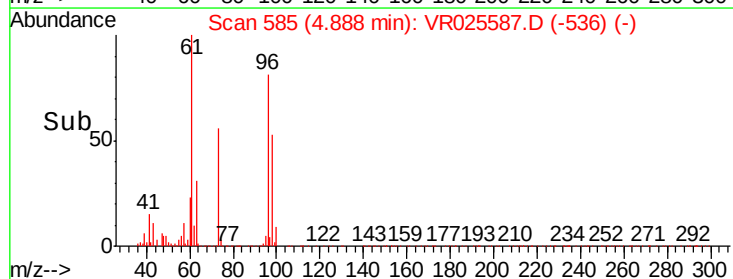
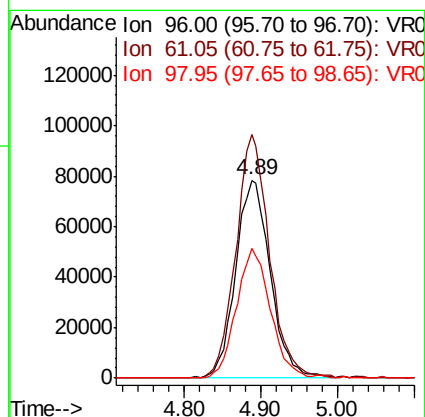
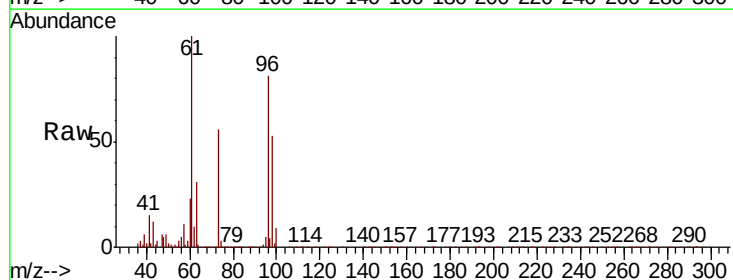
Instrument :
MSVOA_R
ClientSampleId :

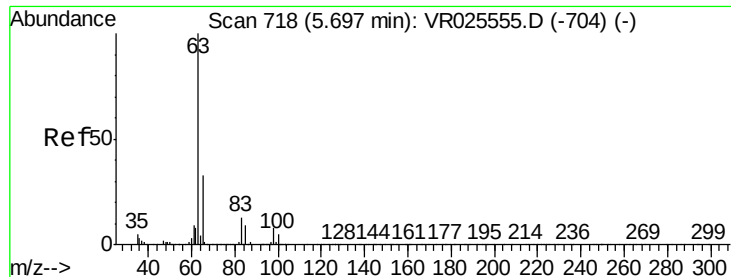
Tot Ion	Ratio	Lower	Upper
73	100		
43	8.5	14.2	21.4#
57	21.7	17.6	26.4



#18
trans-1,2-Dichloroethene
Concen: 4.550 ug/L
RT: 4.89 min Scan# 585
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.0	85.5	158.9
98	65.2	42.1	78.1

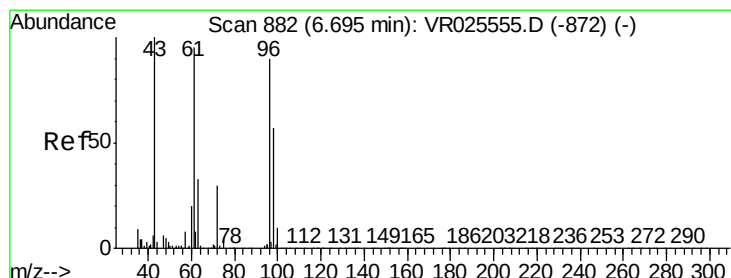
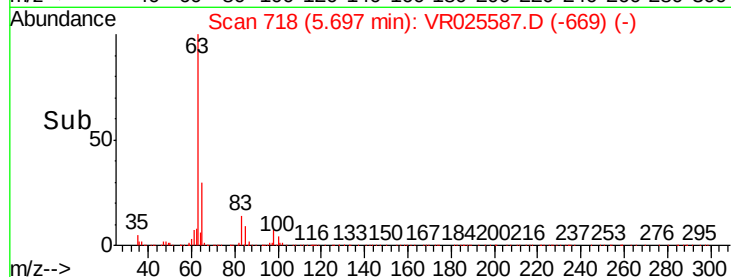
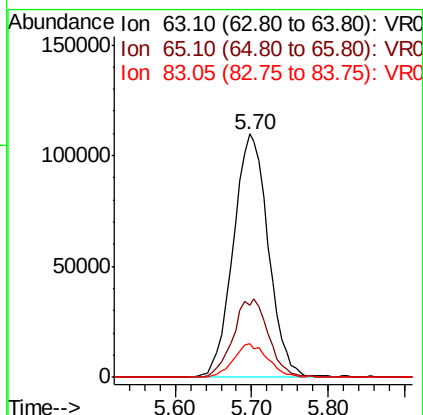
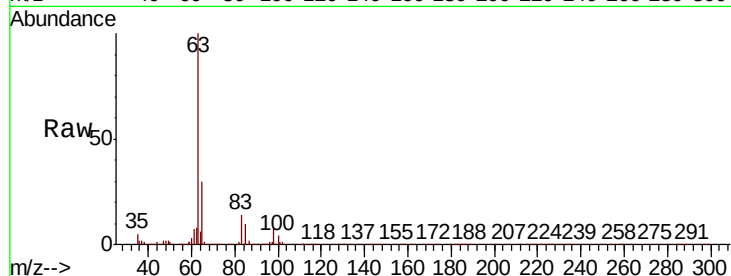




#19
 1,1-Dichloroethane
 Concen: 4.383 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

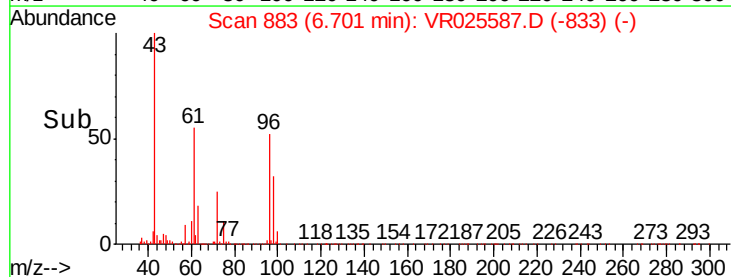
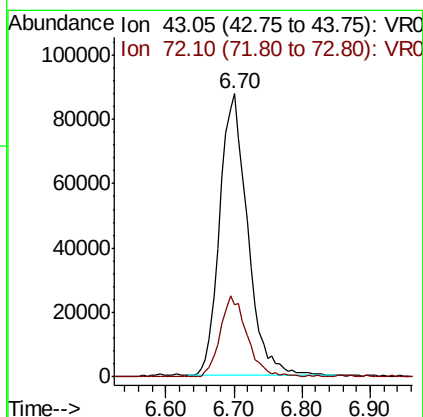
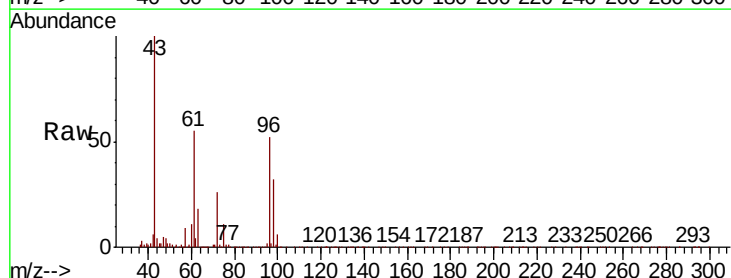
Instrument :
 MSVOA_R
 ClientSampled :

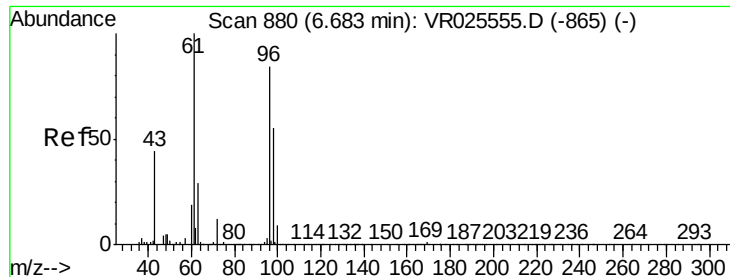
Tot Ion: 63 Resp: 347284
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.5 43.7
 83 14.1 9.1 16.9



#21
 2-Butanone
 Concen: 52.525 ug/L
 RT: 6.70 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Tgt Ion: 43 Resp: 248674
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.2 39.6



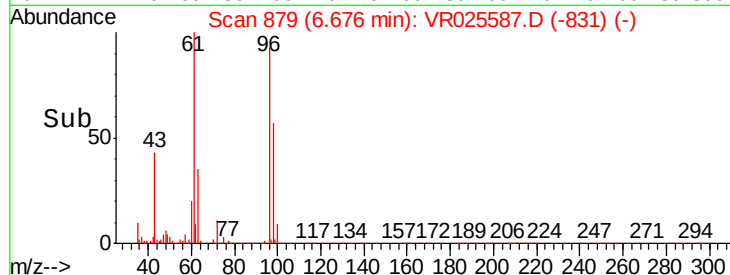
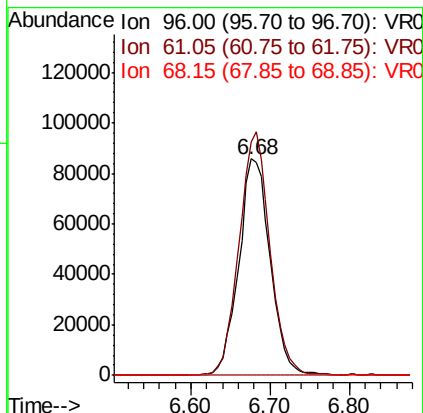
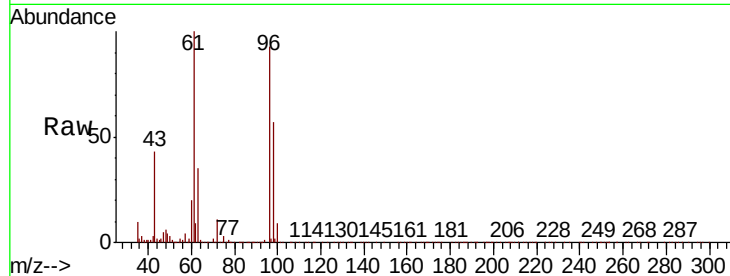


#22

cis-1,2-Dichloroethene
Concen: 4.789 ug/L
RT: 6.68 min Scan# 879
Delta R.T. -0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Instrument :
MSVOA_R
ClientSampleId :

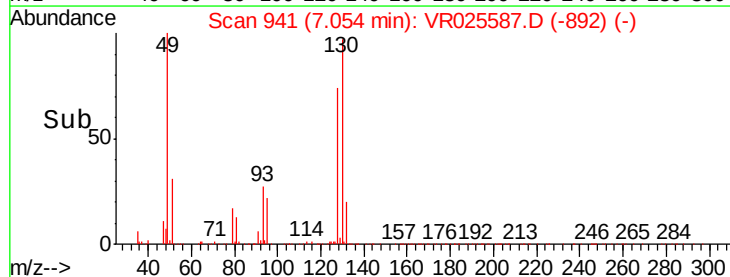
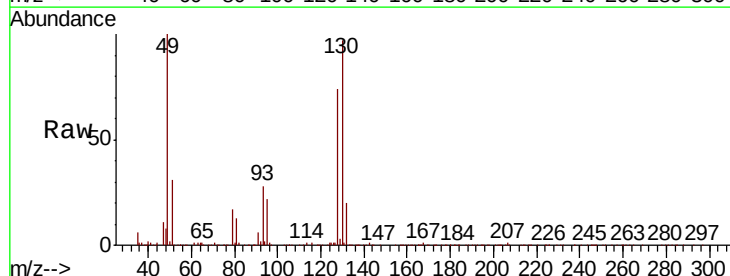
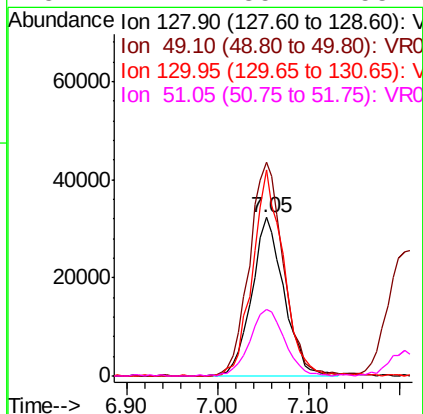
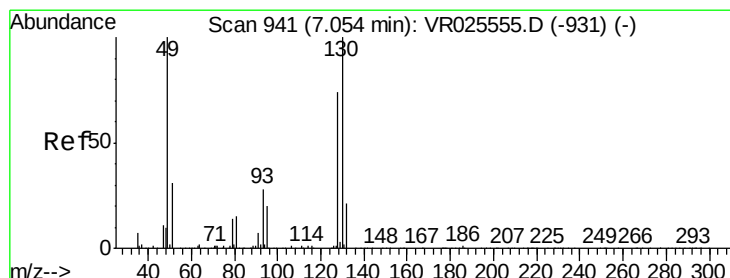
Tot Ion: 96 Resp: 236849
Ion Ratio Lower Upper
96 100
61 108.0 77.7 144.3
68 0.1 0.0 0.0#

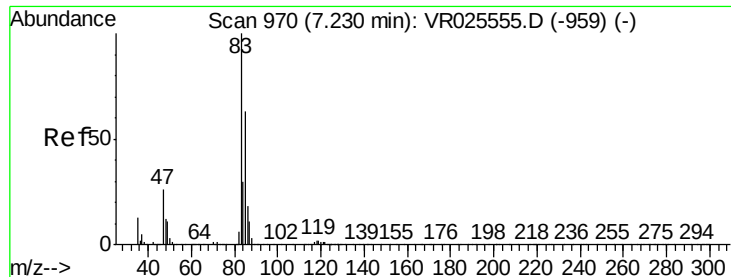


#23

Bromochloromethane
Concen: 4.852 ug/L
RT: 7.05 min Scan# 941
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion:128 Resp: 79608
Ion Ratio Lower Upper
128 100
49 134.7 103.3 191.9
130 130.2 84.9 157.7
51 42.4 35.4 53.2

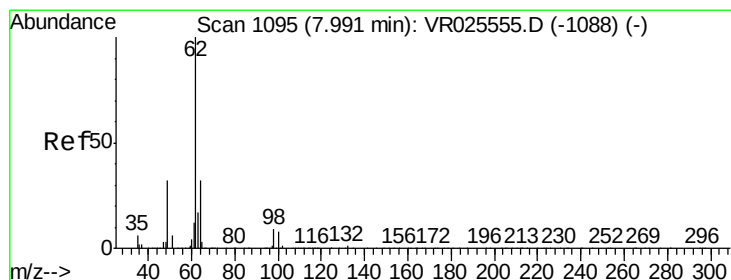
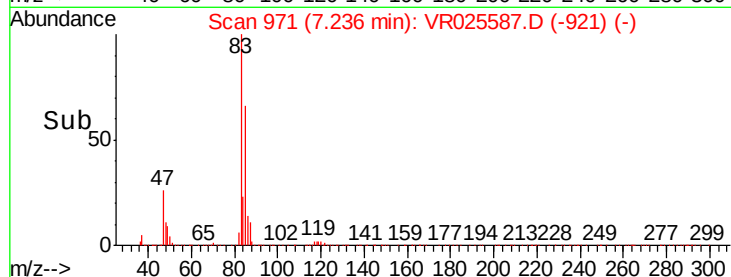
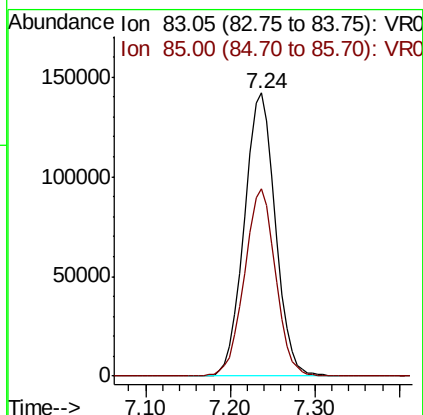
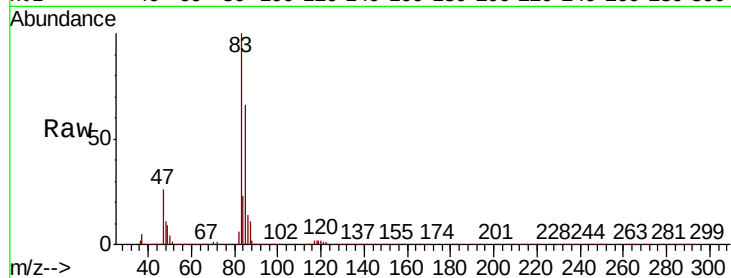




#25
Chloroform
Concen: 4.495 ug/L
RT: 7.24 min Scan# 971
Delta R.T. 0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

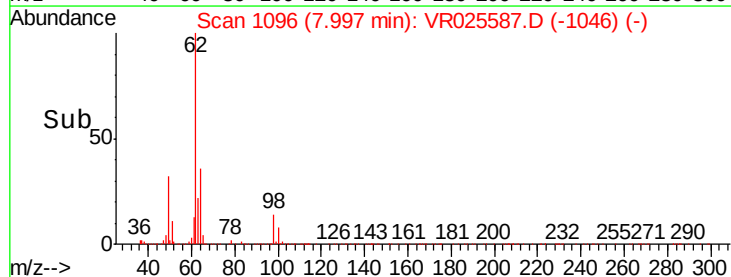
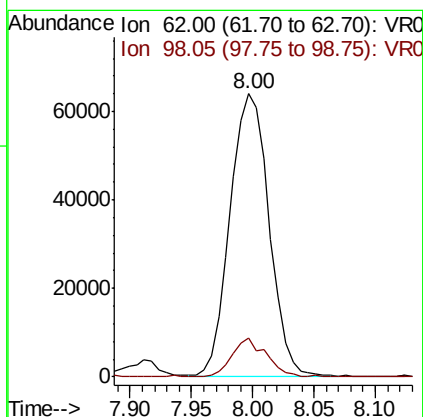
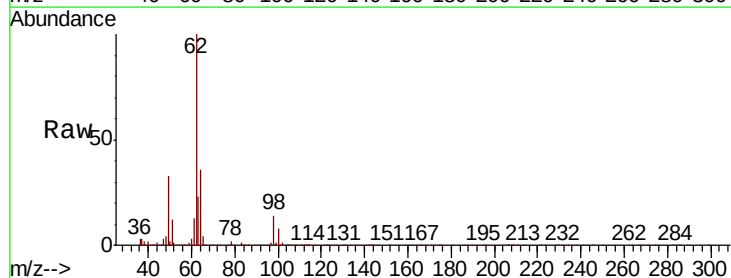
Instrument :
MSVOA_R
ClientSampleId :

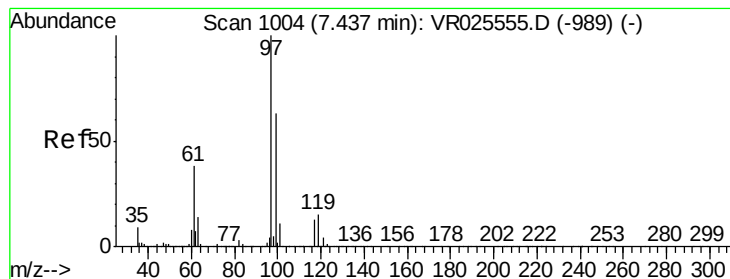
Tot Ion: 83 Resp: 352604
Ion Ratio Lower Upper
83 100
85 66.4 46.5 86.3



#27
1,2-Dichloroethane
Concen: 4.510 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion: 62 Resp: 140991
Ion Ratio Lower Upper
62 100
98 13.8 6.6 9.8#





#29

1,1,1-Trichloroethane

Concen: 4.339 ug/L

RT: 7.43 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

ClientSampleId :

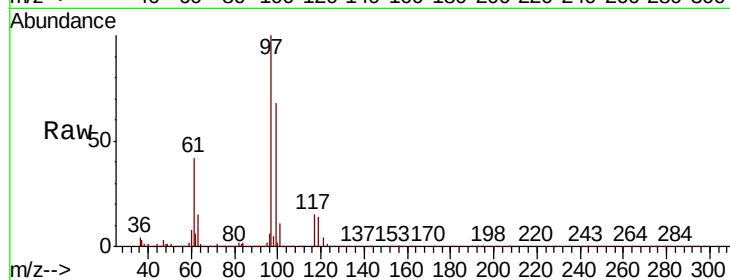
Tot Ion: 97 Resp: 263785

Ion Ratio Lower Upper

97 100

99 63.7 52.1 78.1

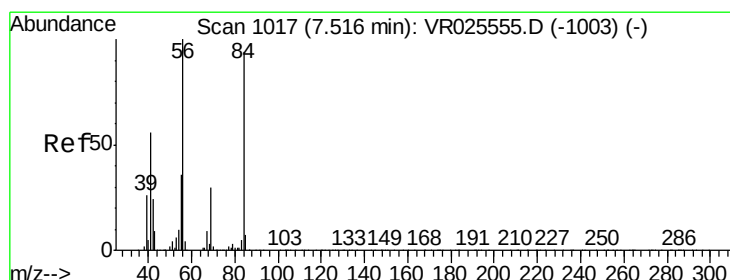
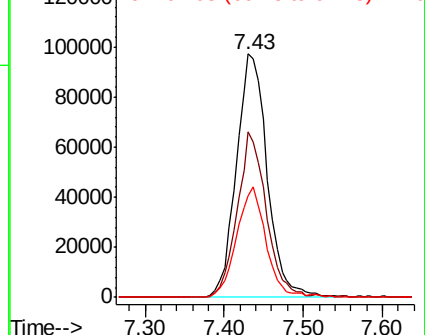
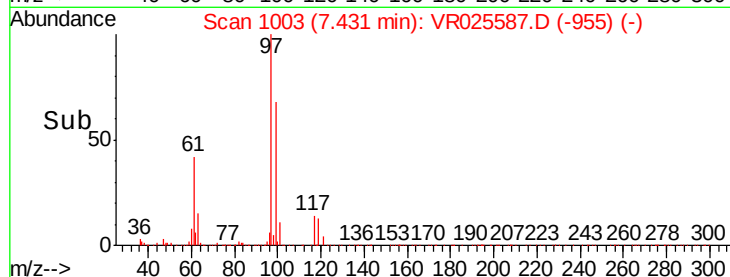
61 43.4 35.3 52.9



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: 4.645 ug/L

RT: 7.52 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

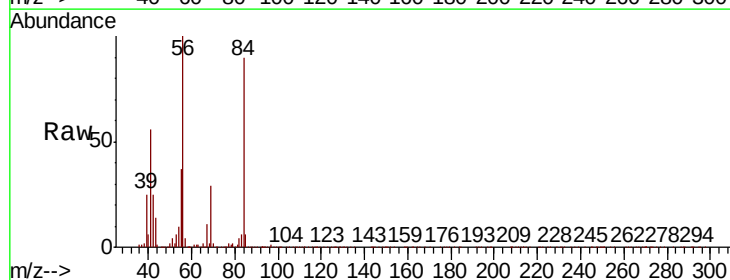
Tgt Ion: 56 Resp: 325265

Ion Ratio Lower Upper

56 100

69 29.8 24.6 36.8

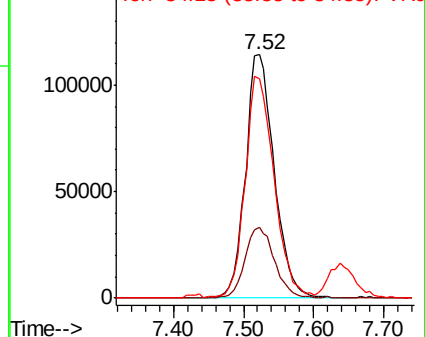
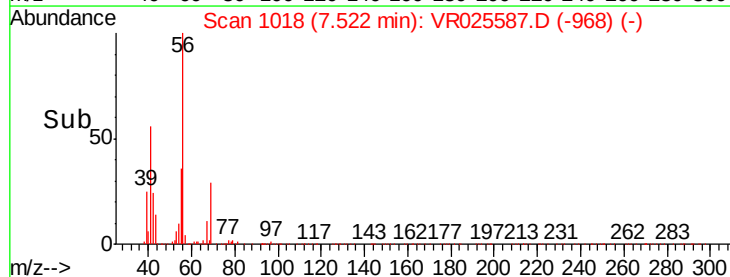
84 89.9 71.3 106.9

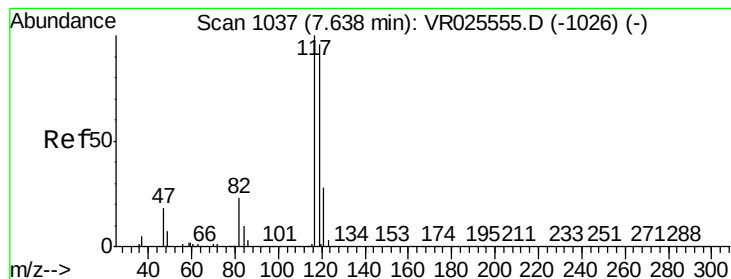


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.420 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

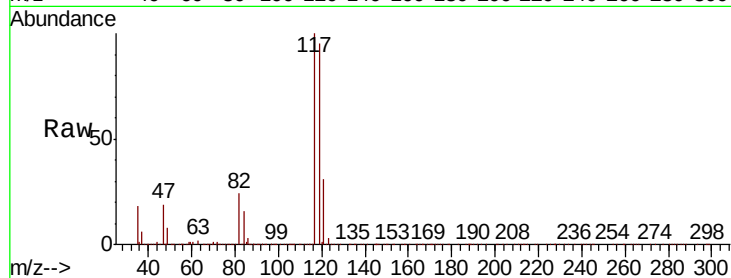
ClientSampleId :

Tot Ion:117 Resp: 277329

Ion Ratio Lower Upper

117 100

119 95.1 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

120000

100000

80000

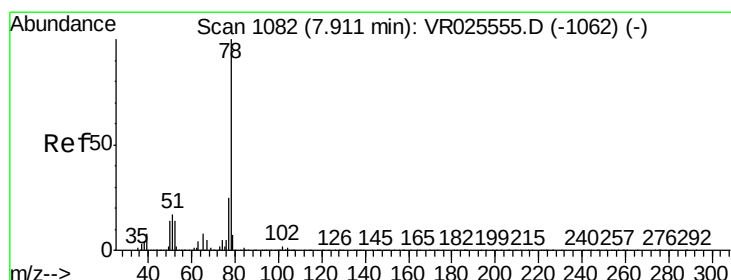
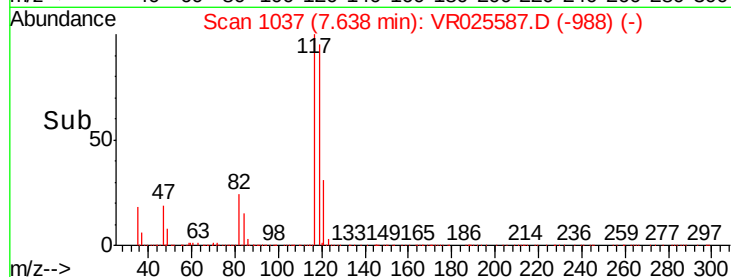
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#33

Benzene

Concen: 4.555 ug/L

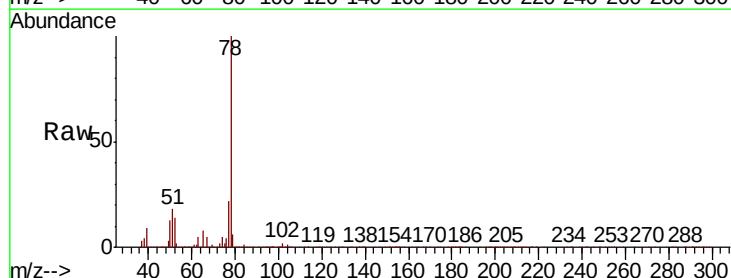
RT: 7.91 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Tgt Ion: 78 Resp: 965724



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

500000

400000

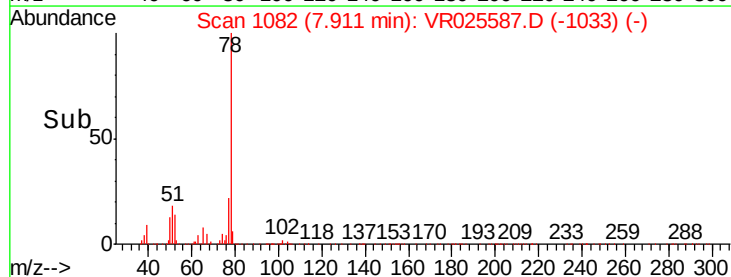
300000

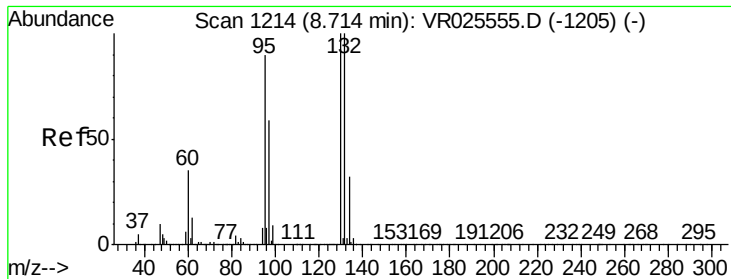
200000

100000

0

Time--> 7.70 7.80 7.90 8.00

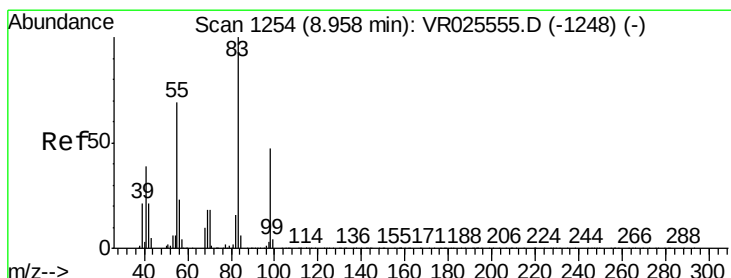
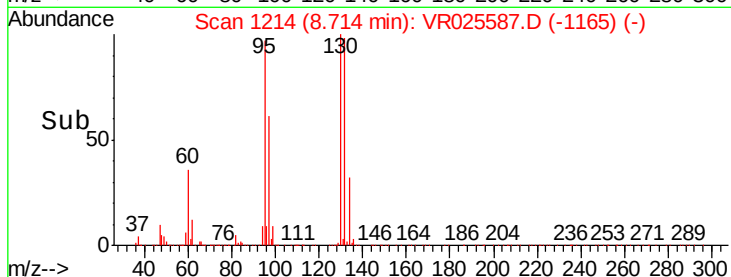
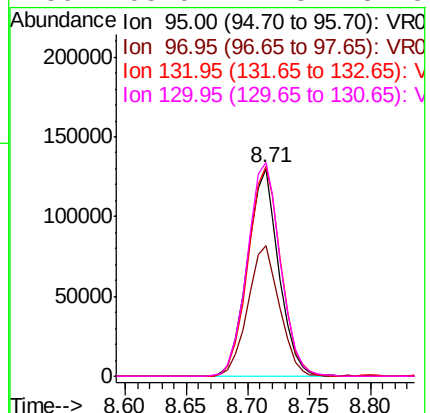
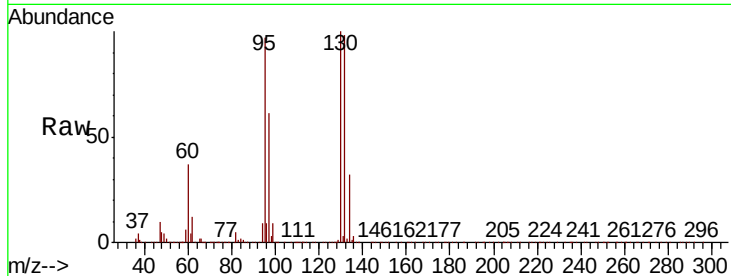




#34
 Trichloroethene
 Concen: 4.390 ug/L
 RT: 8.71 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

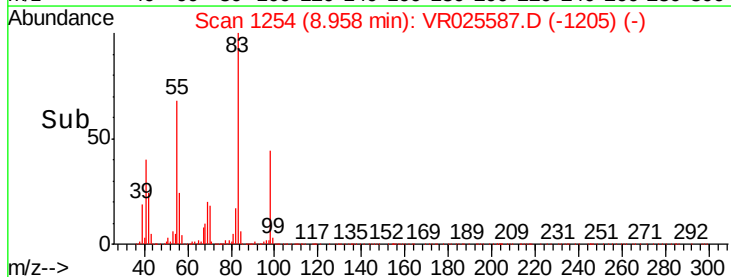
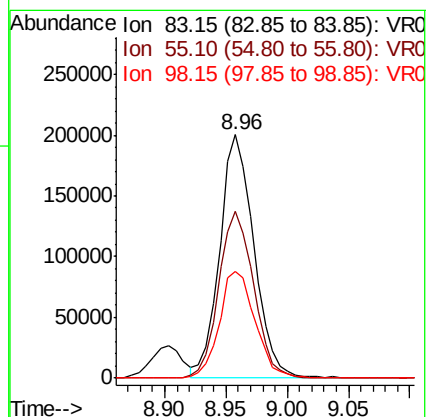
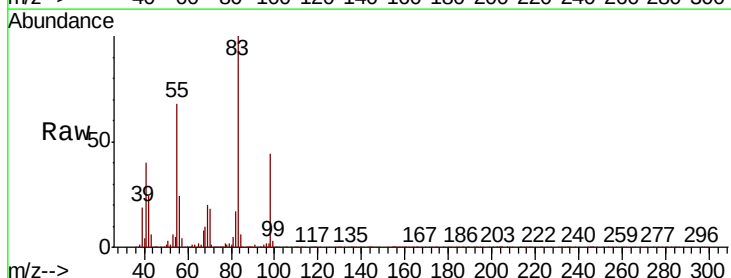
Instrument :
 MSVOA_R
 ClientSampleId :

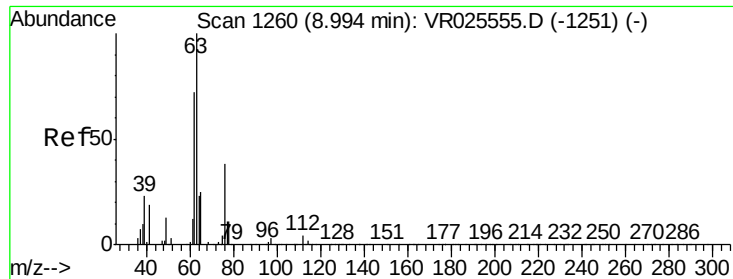
Tot Ion:	95	Resp:	231539
Ion	Ratio	Lower	Upper
95	100		
97	63.2	46.7	86.7
132	101.0	71.7	133.1
130	103.0	71.3	132.3



#35
 Methylcyclohexane
 Concen: 4.881 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Tgt Ion:	83	Resp:	387045
Ion	Ratio	Lower	Upper
83	100		
55	70.7	58.3	87.5
98	46.3	37.8	56.6

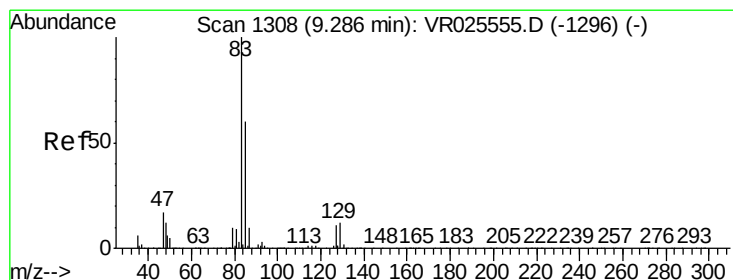
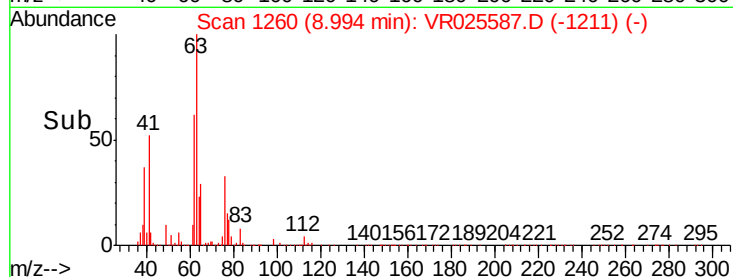
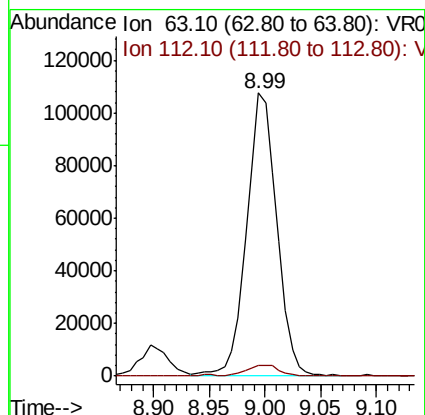
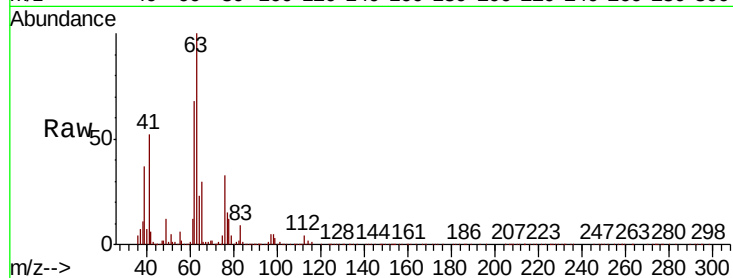




#37
 1,2-Dichloropropane
 Concen: 4.540 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

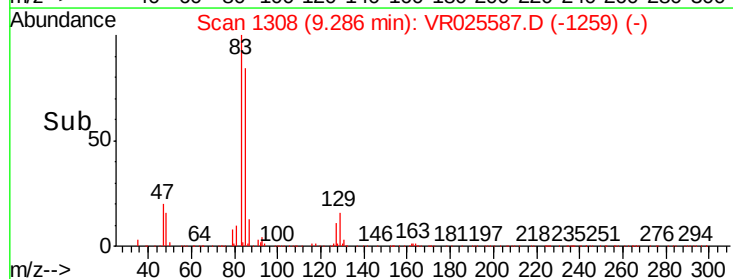
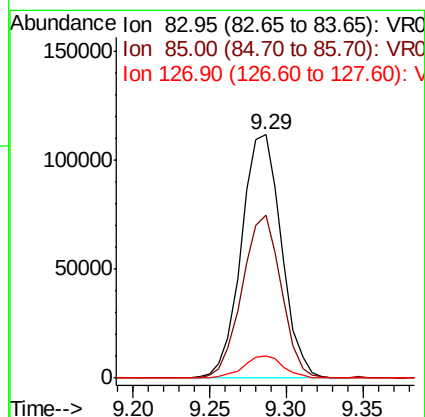
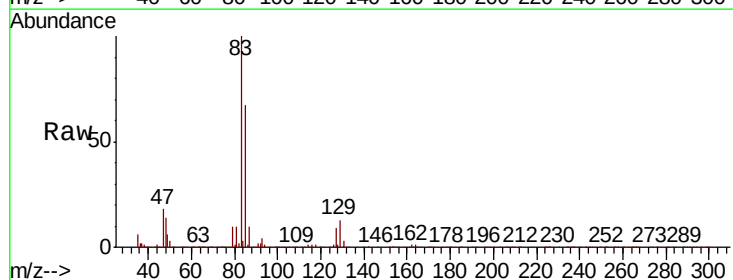
Instrument :
 MSVOA_R
 ClientSampleId :

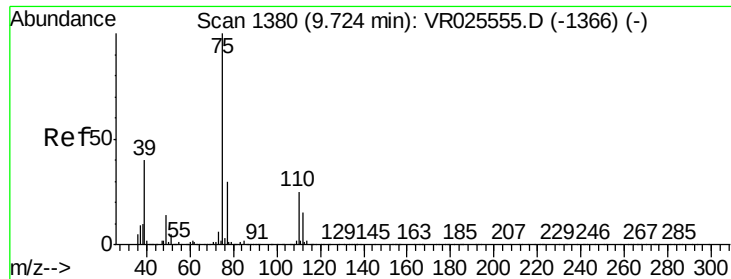
Tot Ion: 63 Resp: 202630
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.463 ug/L
 RT: 9.29 min Scan# 1308
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Tgt Ion: 83 Resp: 203525
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.0 81.6
 127 9.2 6.7 10.1



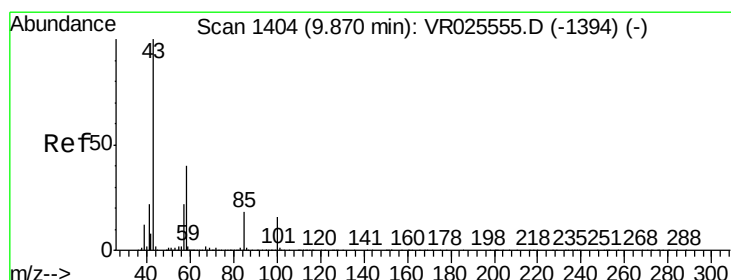
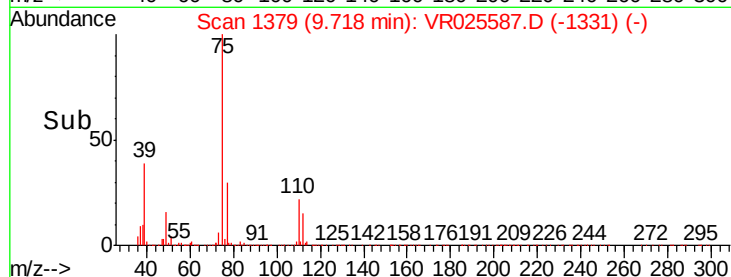
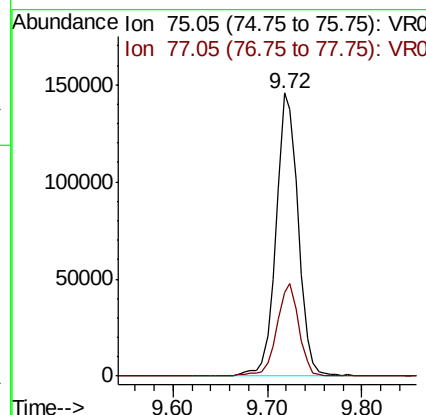
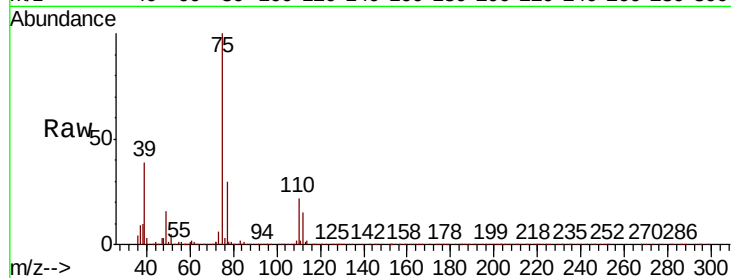


#39

cis-1,3-Dichloropropene
Concen: 4.834 ug/L
RT: 9.72 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Instrument :
MSVOA_R
ClientSampleId :

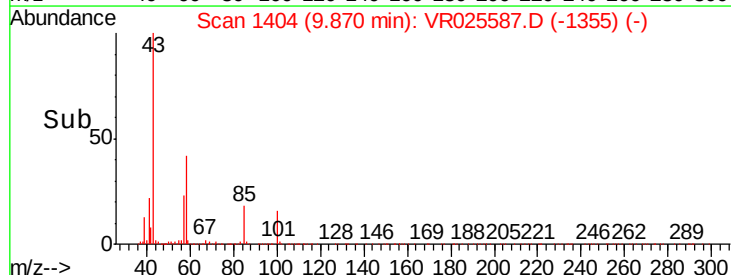
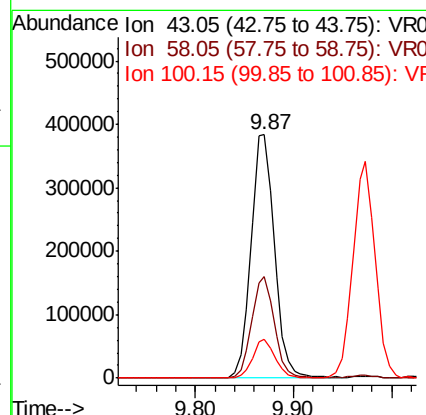
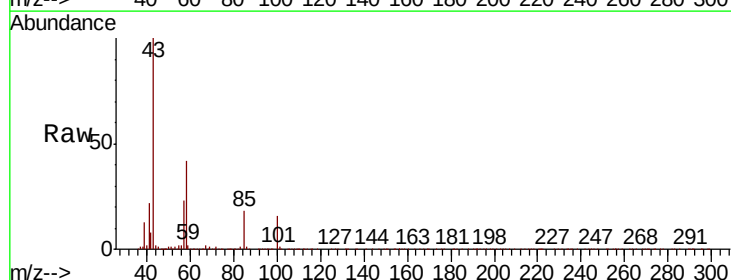
Tot Ion: 75 Resp: 238221
Ion Ratio Lower Upper
75 100
77 29.7 21.6 40.0

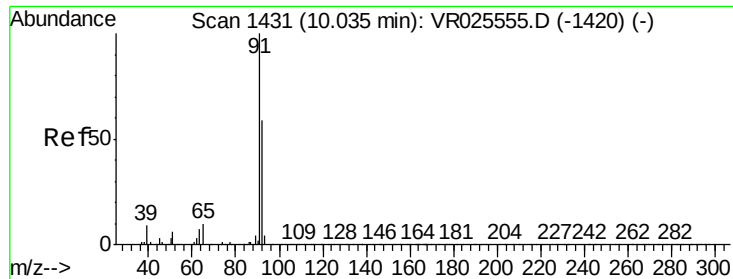


#40

4-Methyl-2-pentanone
Concen: 50.654 ug/L
RT: 9.87 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion: 43 Resp: 637147
Ion Ratio Lower Upper
43 100
58 40.2 31.0 46.6
100 15.2 11.9 17.9





#42

Toluene

Concen: 4.910 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

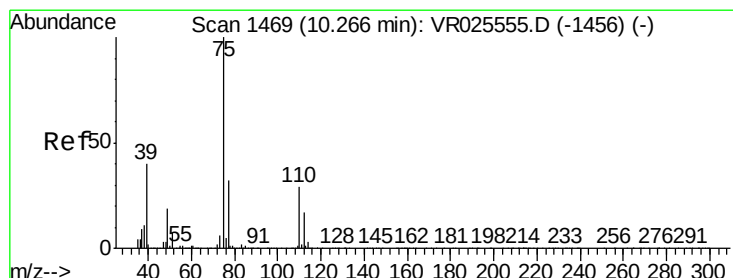
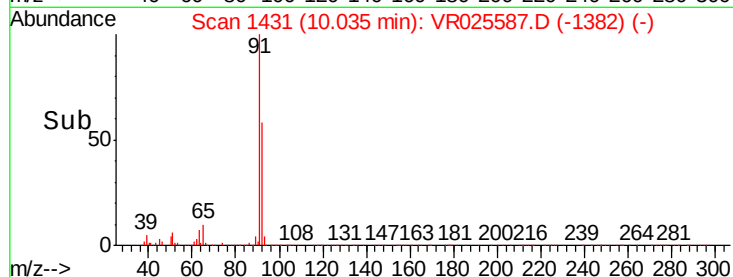
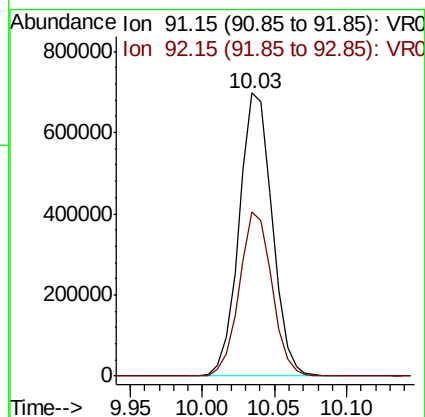
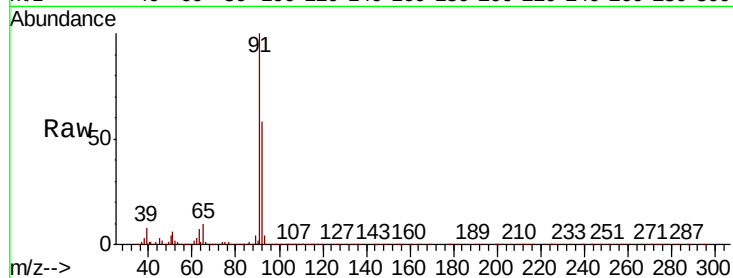
ClientSampleId :

Tot Ion: 91 Resp: 1108777

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.747 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025587.D

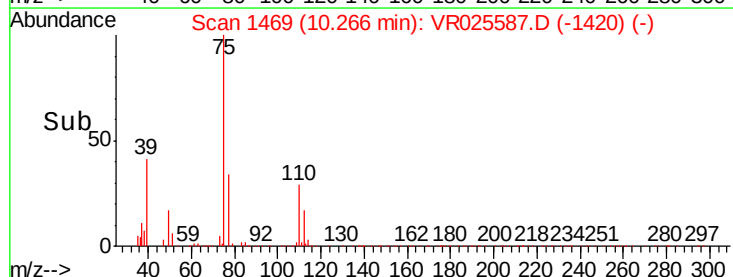
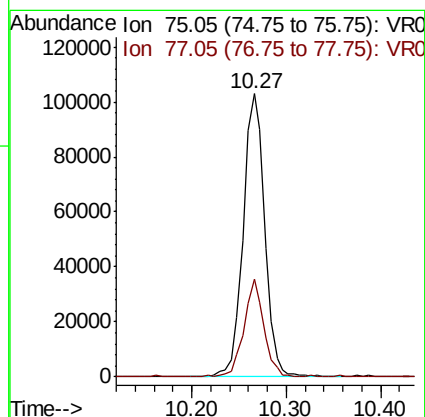
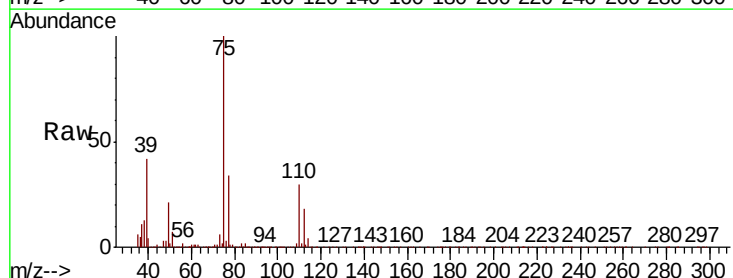
Acq: 8 Aug 2018 9:50

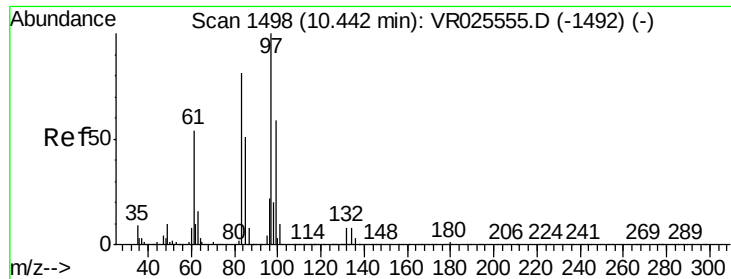
Tgt Ion: 75 Resp: 163324

Ion Ratio Lower Upper

75 100

77 34.4 22.8 42.4

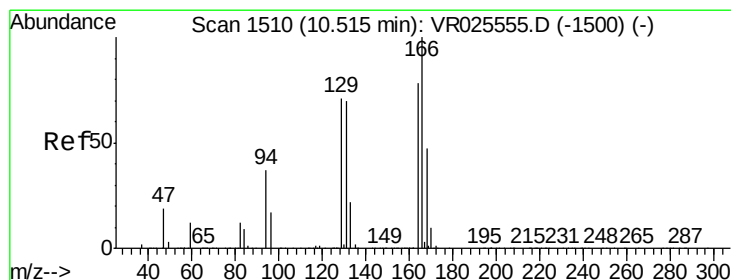
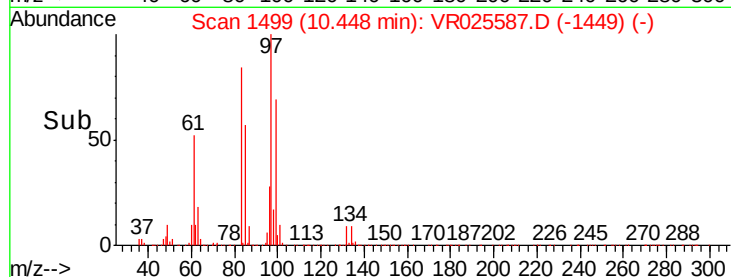
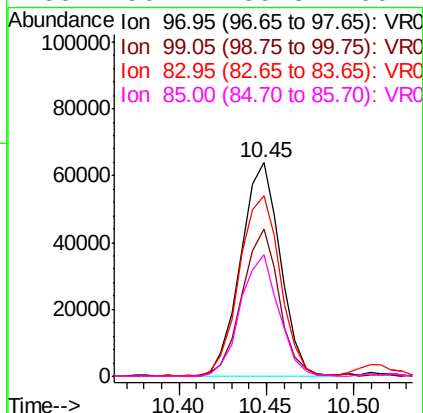
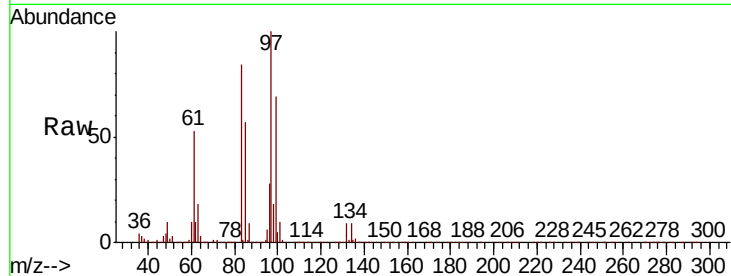




#45
 1,1,2-Trichloroethane
 Concen: 4.515 ug/L
 RT: 10.45 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

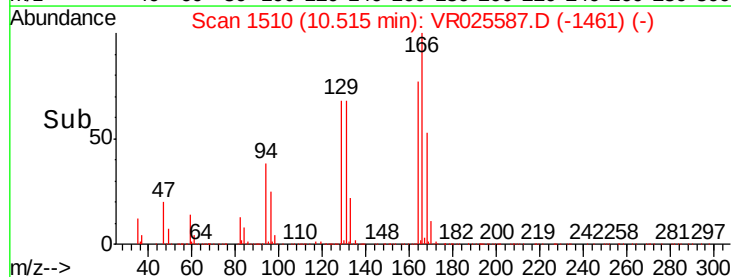
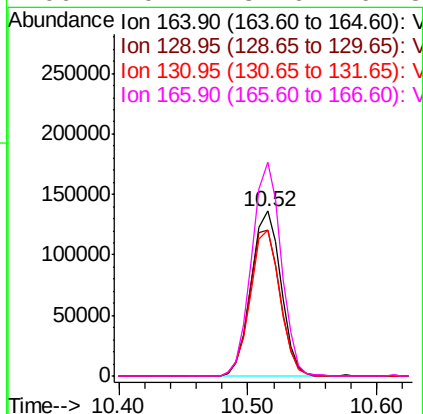
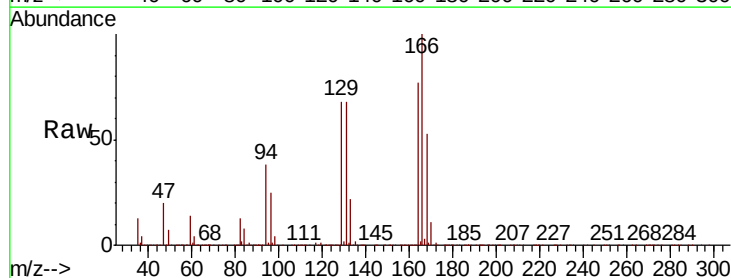
Instrument :
 MSVOA_R
 ClientSampleId :

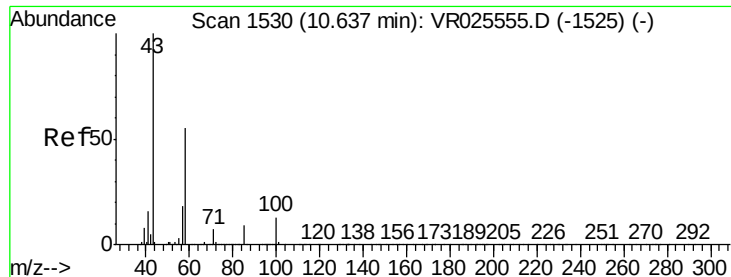
Tot Ion:	97	Resp:	100363
Ion	Ratio	Lower	Upper
97	100		
99	69.1	43.4	80.6
83	84.4	57.3	106.5
85	56.7	35.8	66.4



#47
 Tetrachloroethene
 Concen: 4.836 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Tgt Ion:	164	Resp:	218227
Ion	Ratio	Lower	Upper
164	100		
129	88.3	63.0	117.0
131	88.5	60.6	112.6
166	129.4	87.6	162.8

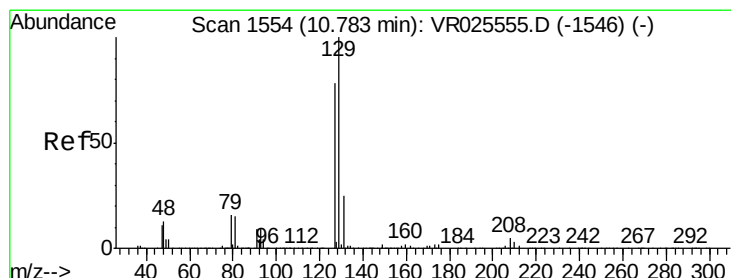
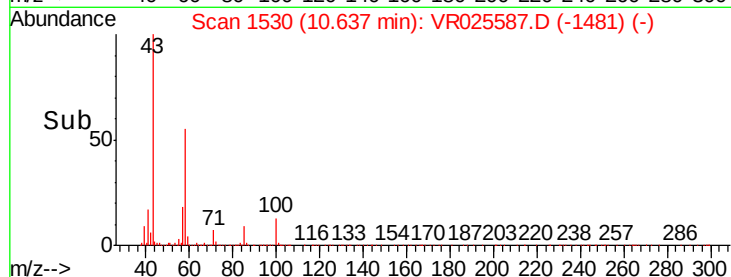
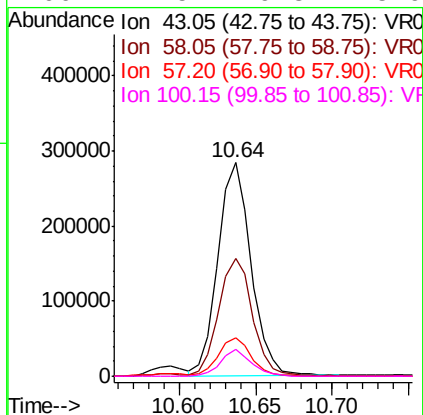
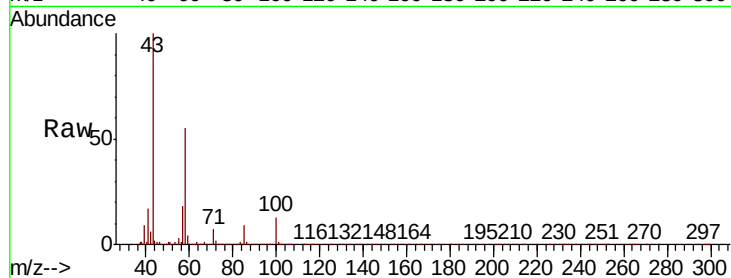




#48
2-Hexanone
Concen: 50.104 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

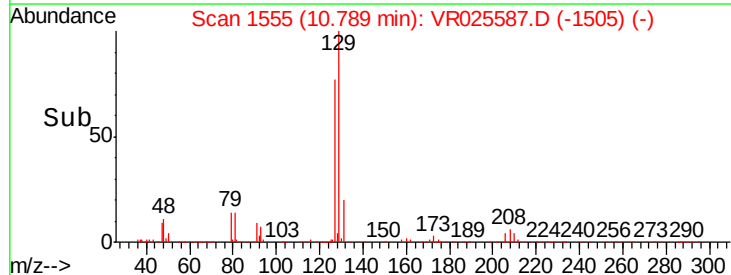
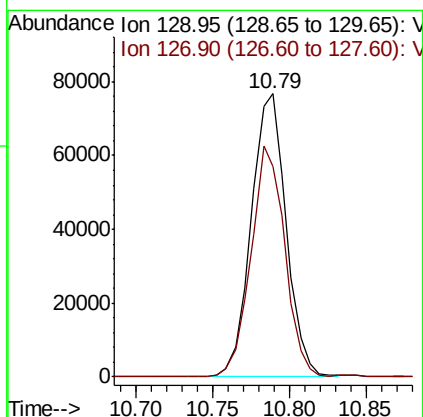
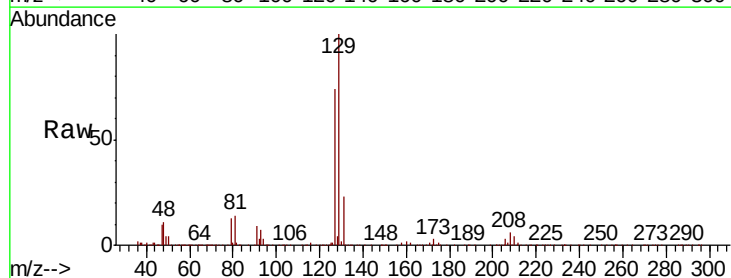
Instrument :
MSVOA_R
ClientSampleId :

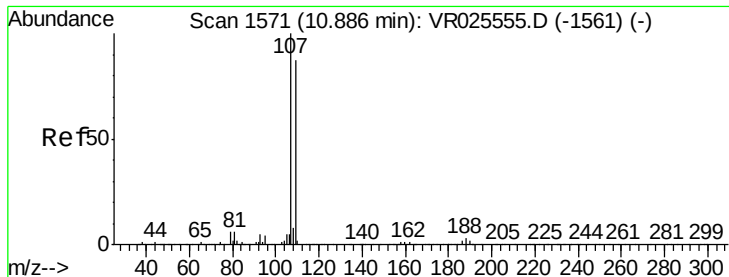
Tot Ion: 43 Resp: 425012
Ion Ratio Lower Upper
43 100
58 58.4 45.0 67.6
57 17.9 15.8 23.6
100 11.5 9.3 13.9



#49
Dibromochloromethane
Concen: 4.652 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.01 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion: 129 Resp: 122000
Ion Ratio Lower Upper
129 100
127 74.2 54.3 100.9

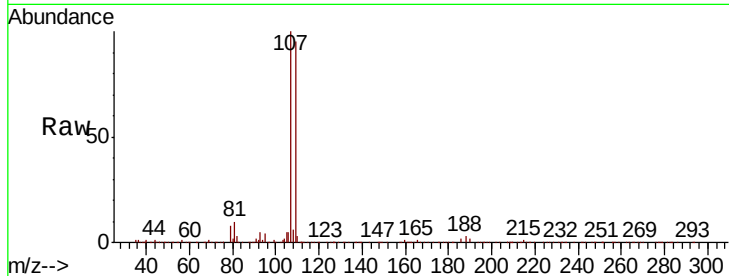




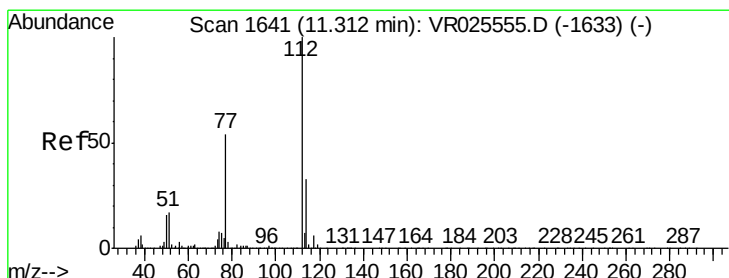
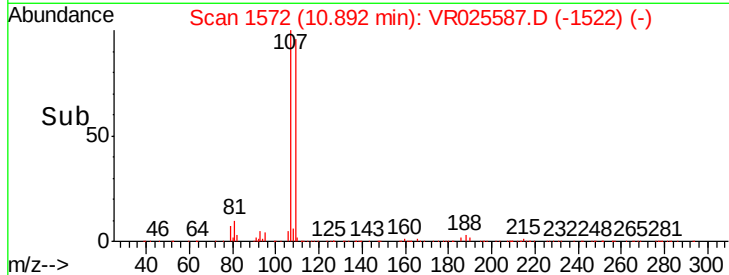
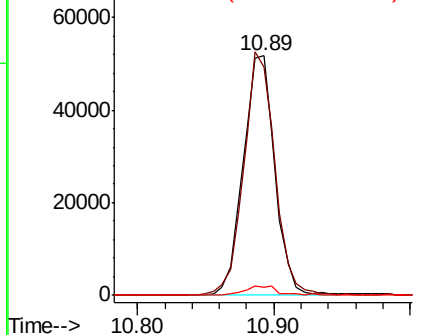
#50
 1,2-Dibromoethane
 Concen: 4.525 ug/L
 RT: 10.89 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	60.6	112.6
188	3.4	2.4	3.6

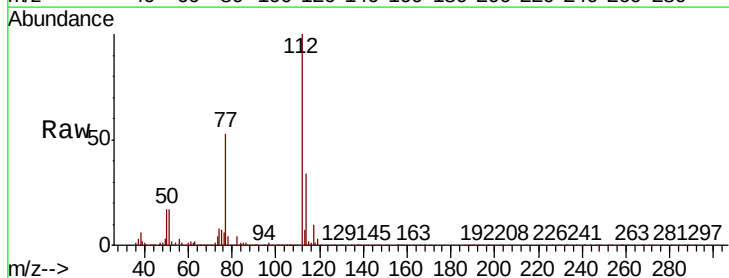


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

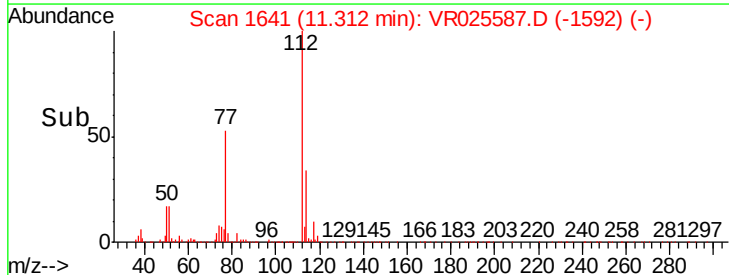
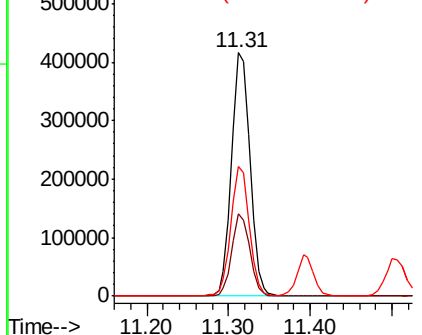


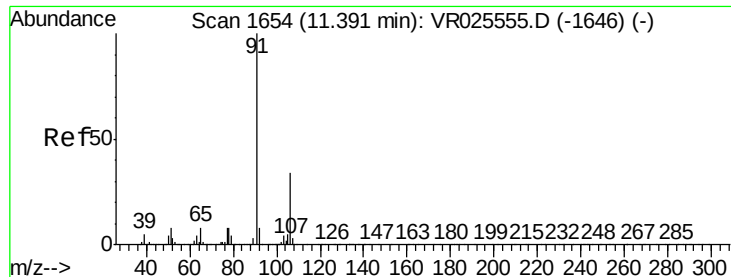
#51
 Chlorobenzene
 Concen: 4.721 ug/L
 RT: 11.31 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.9	21.8	40.4
77	53.3	41.8	62.8



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: 4.875 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

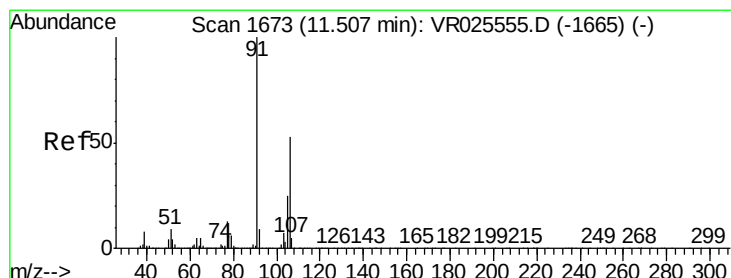
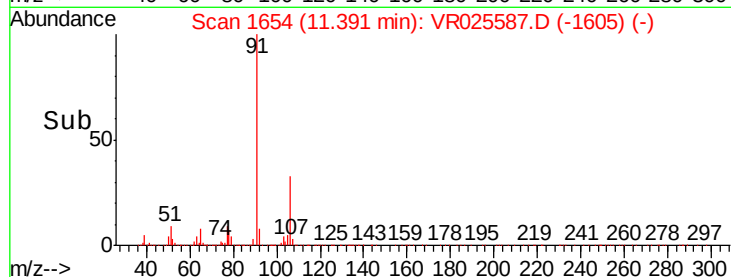
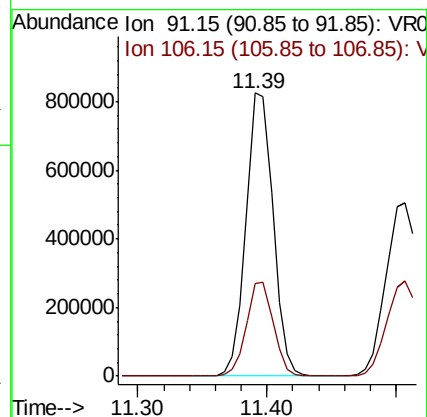
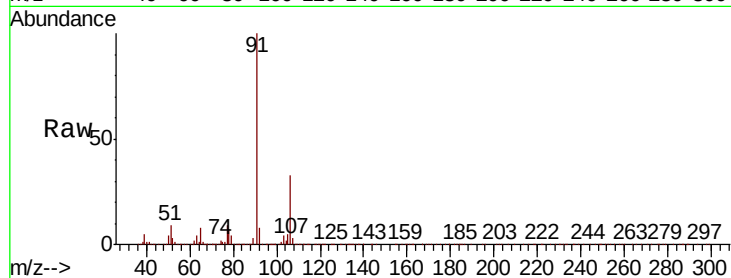
ClientSampled :

Tot Ion: 91 Resp: 1197046

Ion Ratio Lower Upper

91 100

106 32.9 23.6 43.8



#53

m,p-Xylene

Concen: 5.016 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VR025587.D

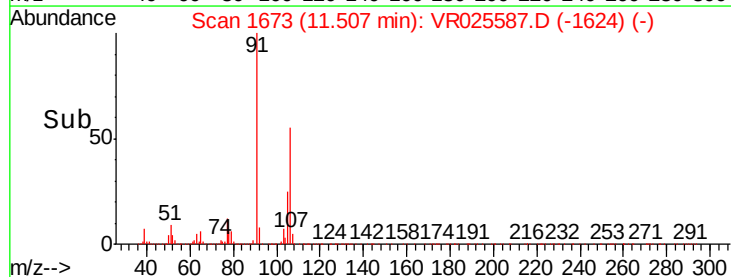
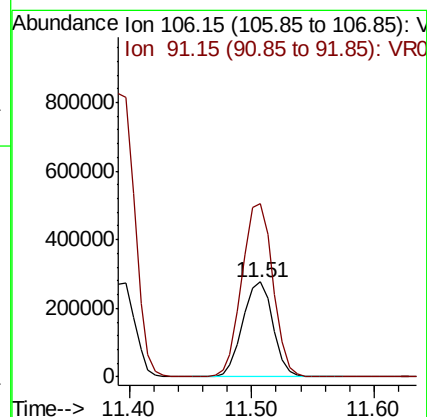
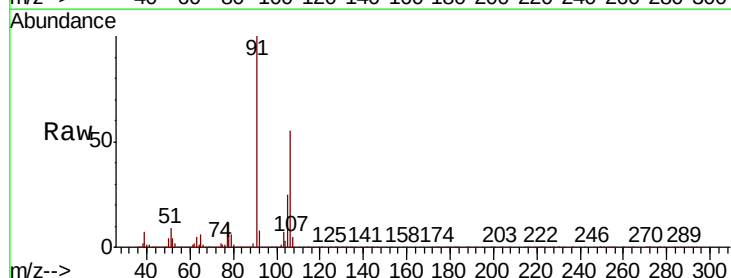
Acq: 8 Aug 2018 9:50

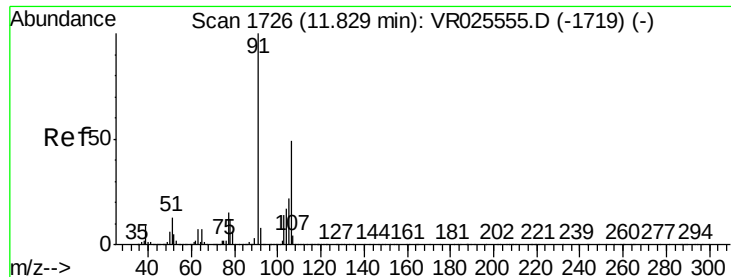
Tgt Ion: 106 Resp: 476516

Ion Ratio Lower Upper

106 100

91 182.9 128.2 238.0

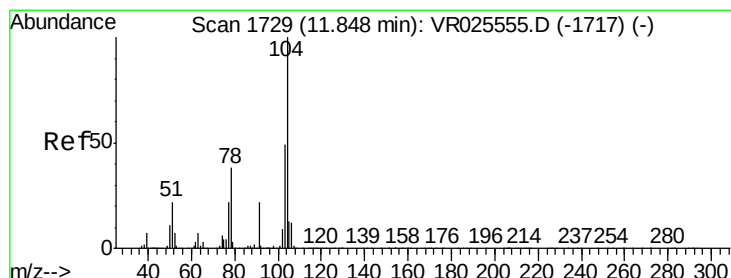
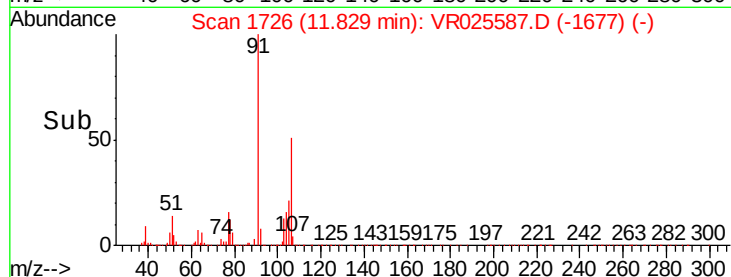
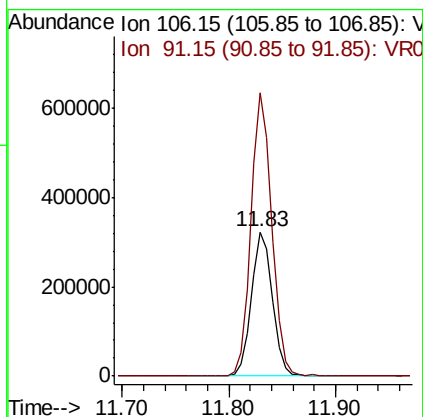
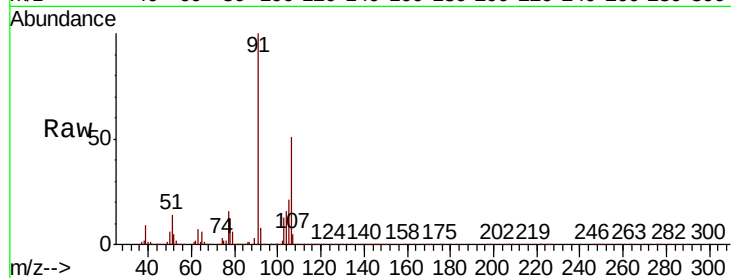




#54
o-Xylene
Concen: 5.110 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

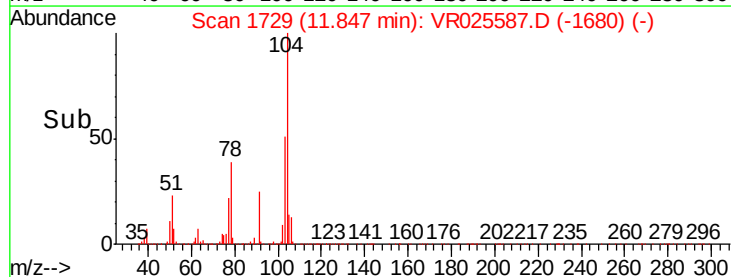
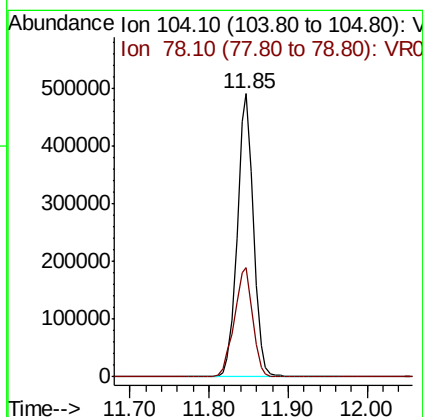
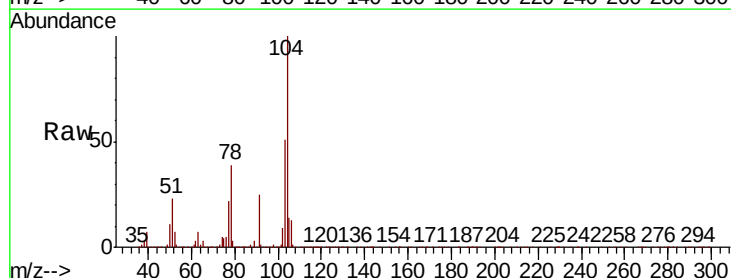
Instrument :
MSVOA_R
ClientSampleId :

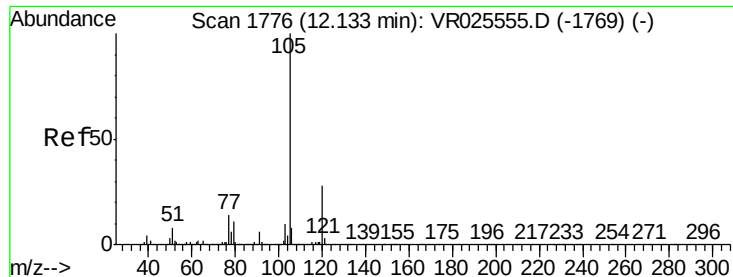
Tot Ion:106 Resp: 445710
Ion Ratio Lower Upper
106 100
91 196.3 143.0 265.6



#55
Styrene
Concen: 5.039 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025587.D
Acq: 8 Aug 2018 9:50

Tgt Ion:104 Resp: 700077
Ion Ratio Lower Upper
104 100
78 38.8 26.0 48.2





#56

Isopropylbenzene

Concen: 5.069 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

ClientSampled :

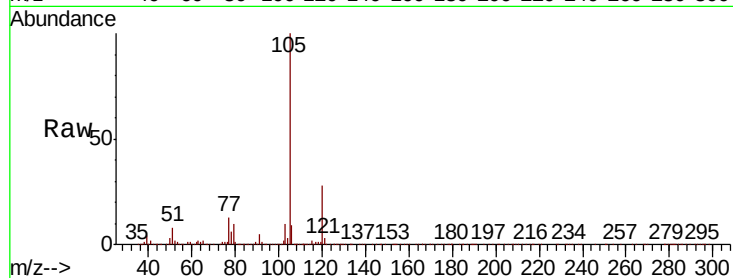
Tot Ion:105 Resp: 1162864

Ion Ratio Lower Upper

105 100

120 27.8 22.5 33.7

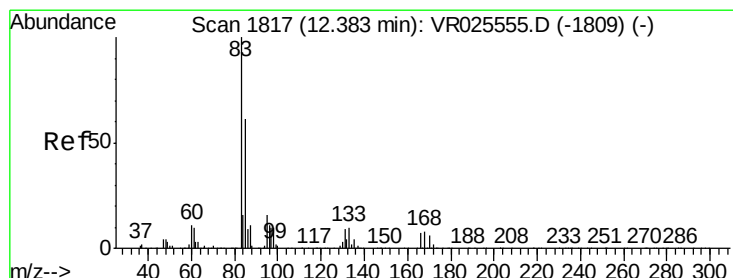
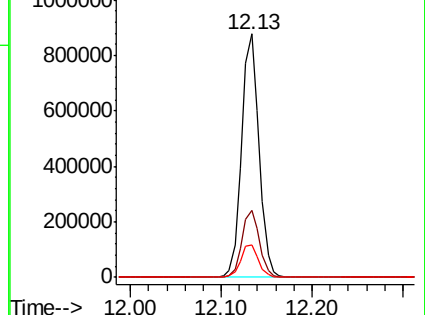
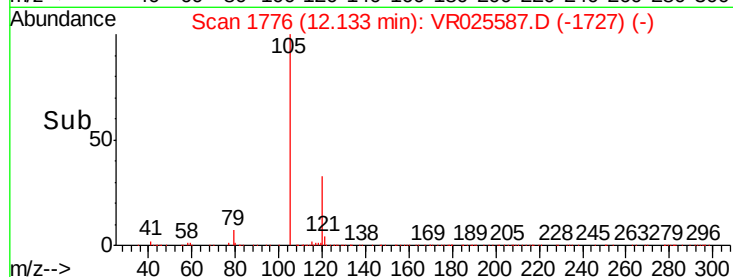
77 13.7 11.8 17.6



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.782 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

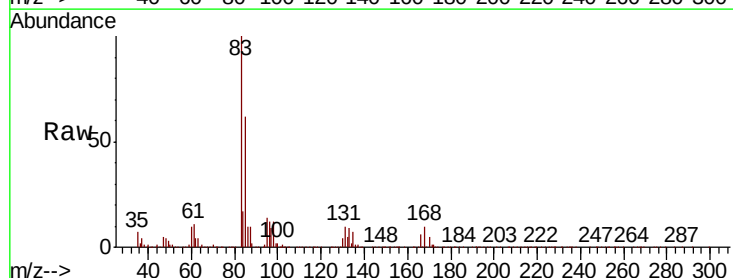
Tgt Ion: 83 Resp: 100750

Ion Ratio Lower Upper

83 100

85 62.2 42.5 78.9

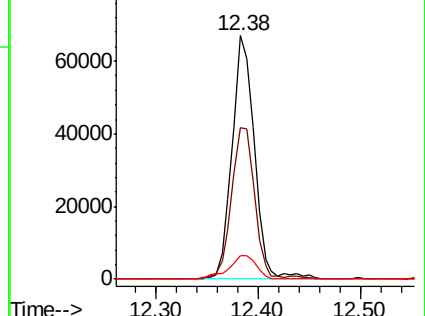
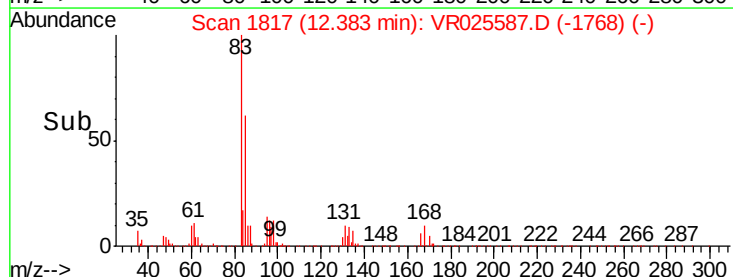
131 9.8 8.6 13.0

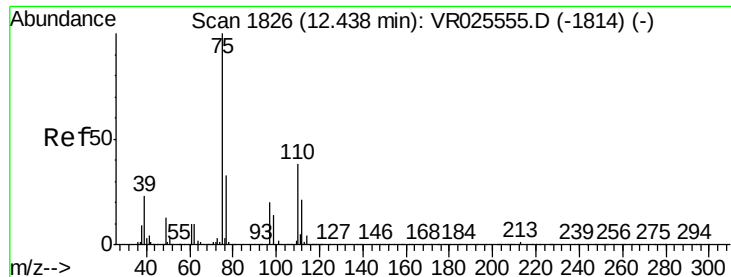


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.603 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

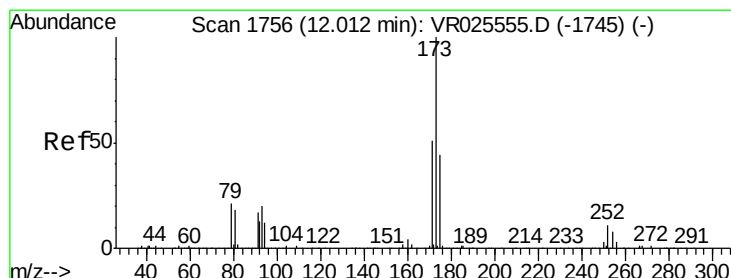
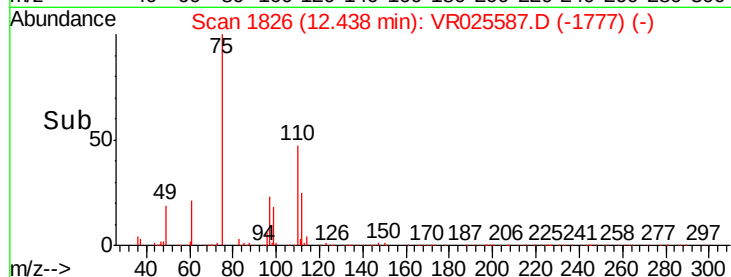
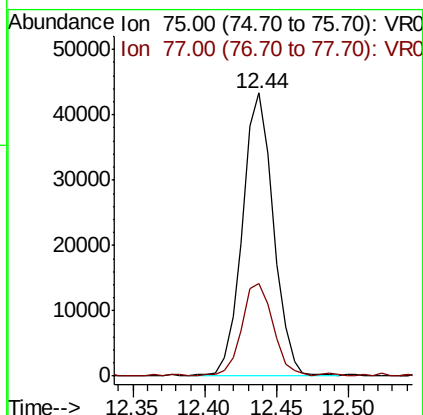
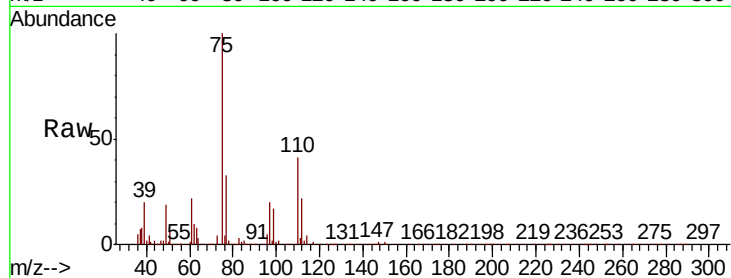
ClientSampleId :

Tot Ion: 75 Resp: 64775

Ion Ratio Lower Upper

75 100

77 32.7 24.7 37.1



#61

Bromoform

Concen: 4.365 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

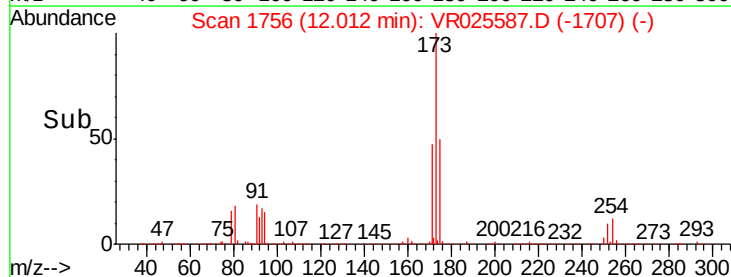
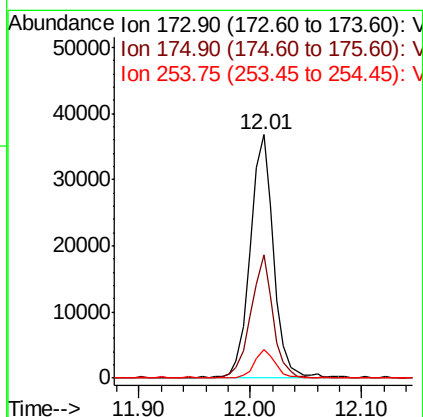
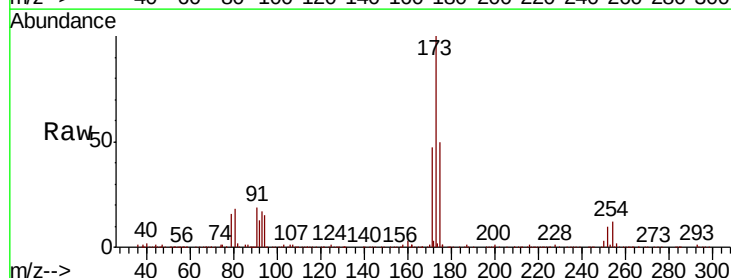
Tgt Ion: 173 Resp: 53524

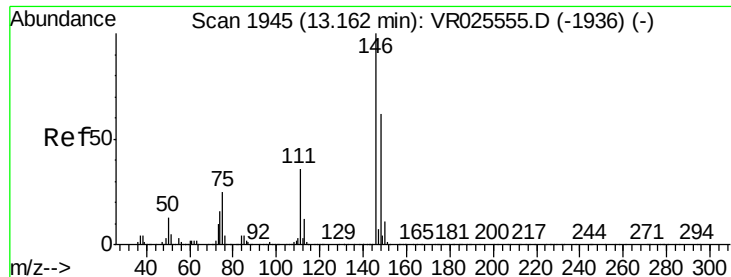
Ion Ratio Lower Upper

173 100

175 48.3 39.3 58.9

254 10.9 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.470 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

ClientSampleId :

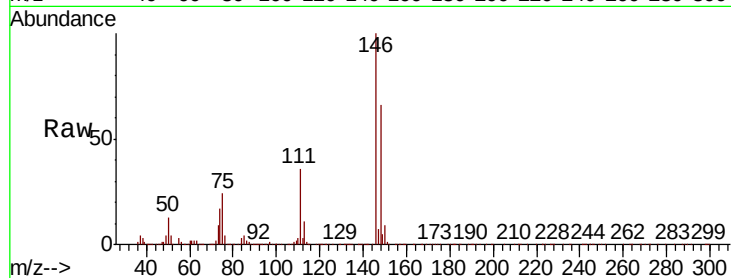
Tot Ion:146 Resp: 397842

Ion Ratio Lower Upper

146 100

111 35.8 26.2 48.6

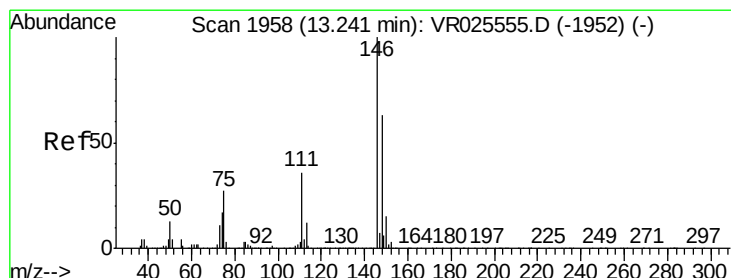
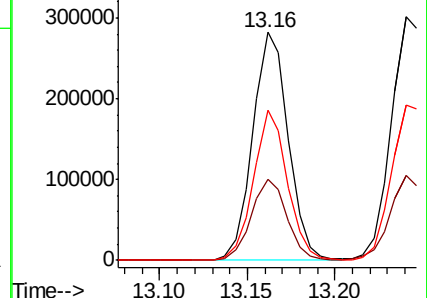
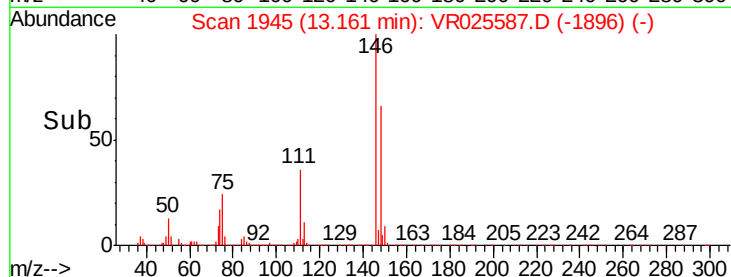
148 66.0 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.569 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

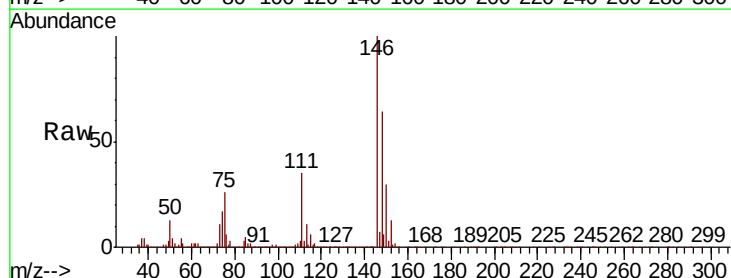
Tgt Ion:146 Resp: 441442

Ion Ratio Lower Upper

146 100

111 35.1 25.6 47.6

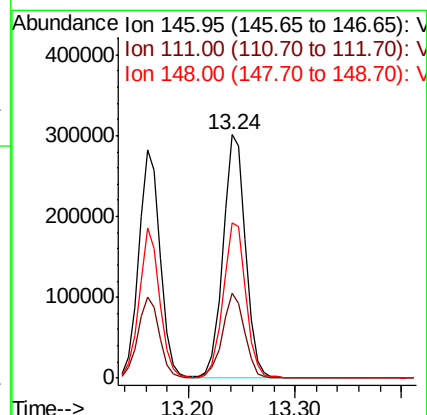
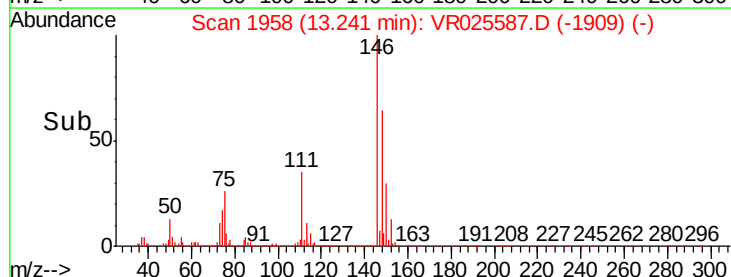
148 63.6 44.2 82.0

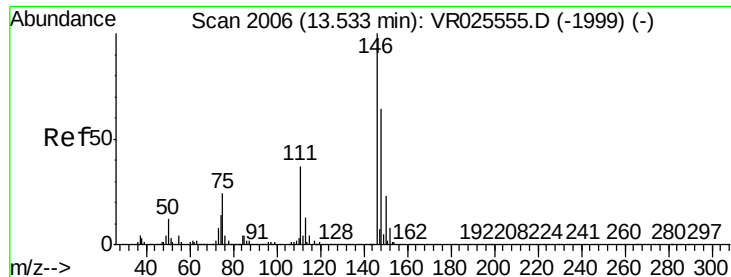


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

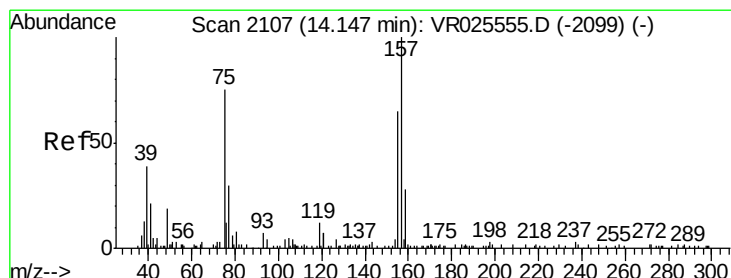
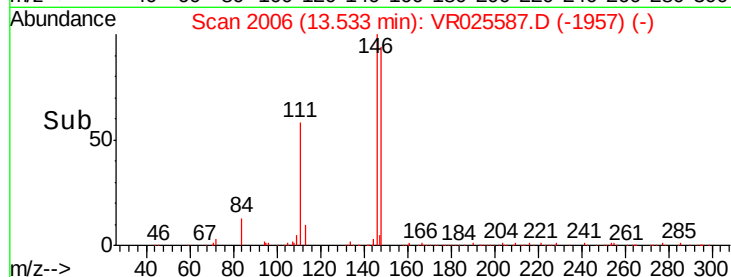
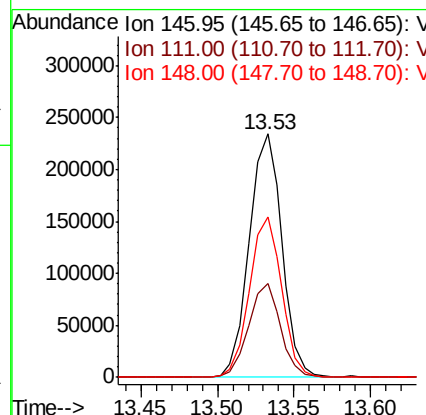
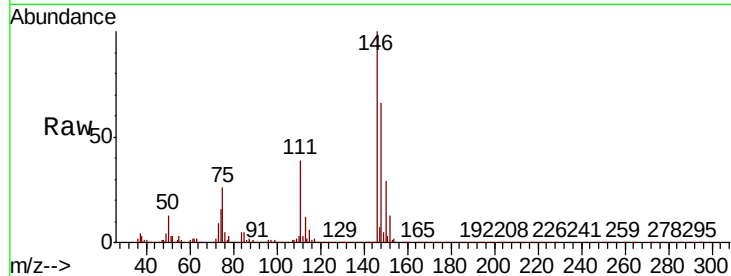




#65
 1,2-Dichlorobenzene
 Concen: 4.553 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

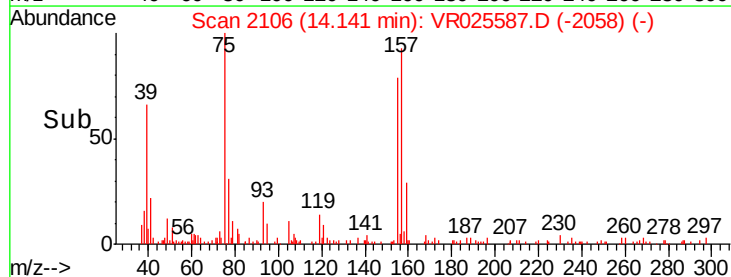
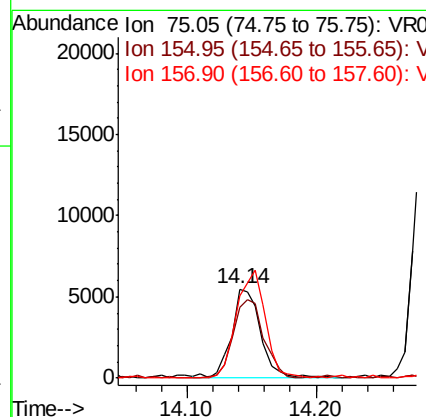
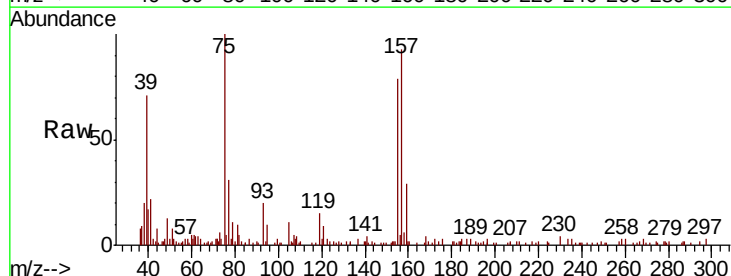
Instrument :
 MSVOA_R
 ClientSampleId :

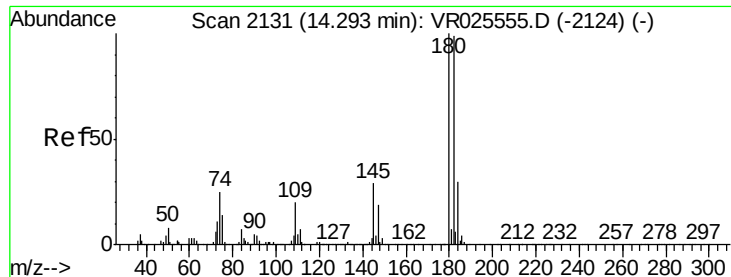
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	28.9	43.3
148	65.8	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.688 ug/L
 RT: 14.14 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	62.3	93.5
157	92.8	67.7	101.5

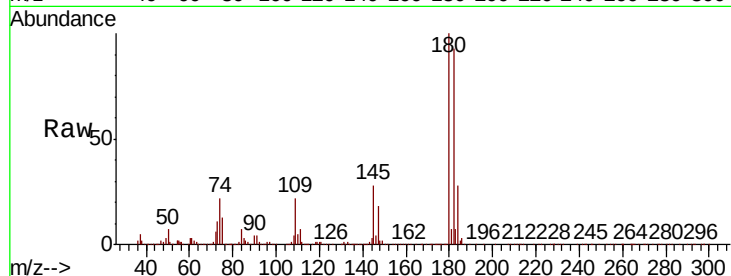




#67
 1,3,5-Trichlorobenzene
 Concen: 4.613 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion:	180	Resp:	279079
Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.0	112.4
184	30.0	24.1	36.1
145	28.0	24.1	36.1



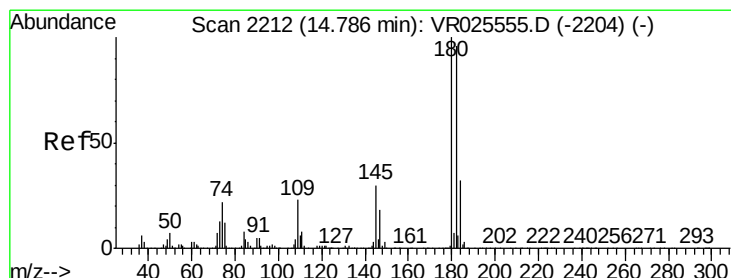
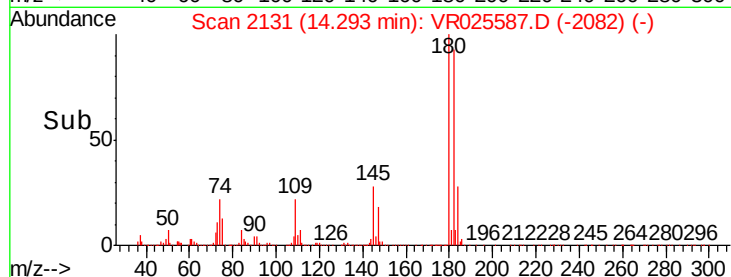
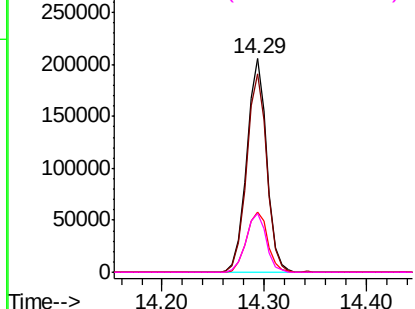
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

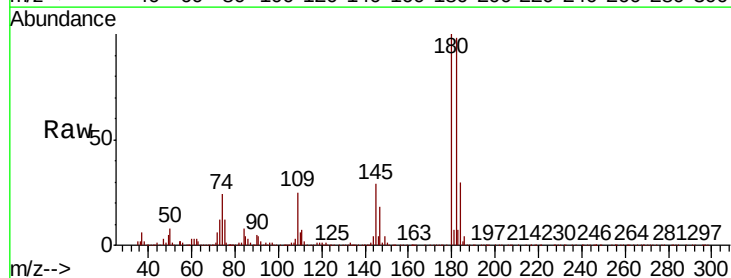
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.529 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025587.D
 Acq: 8 Aug 2018 9:50

Tgt Ion:	180	Resp:	176072
Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.8	115.2
145	28.8	24.0	36.0

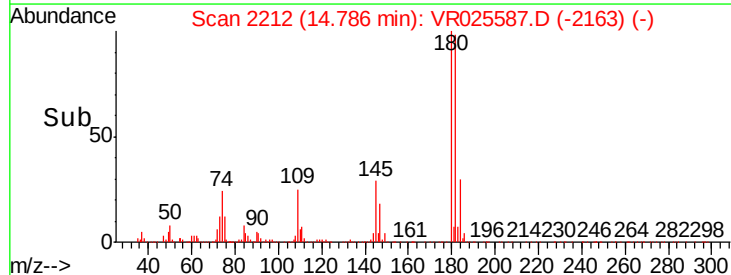
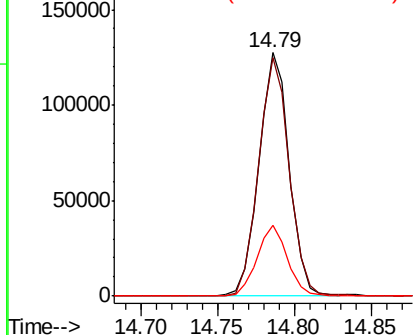


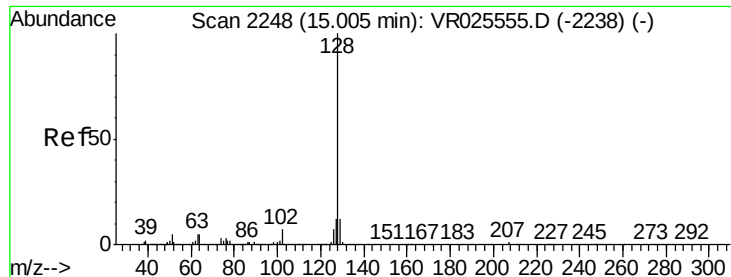
Abundance

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: 4.103 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

Instrument :

MSVOA_R

ClientSampleId :

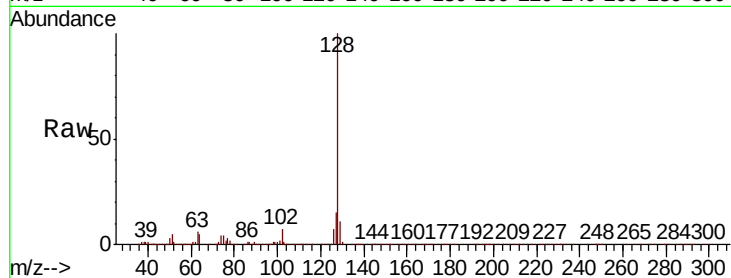
Tot Ion:128 Resp: 182223

Ion Ratio Lower Upper

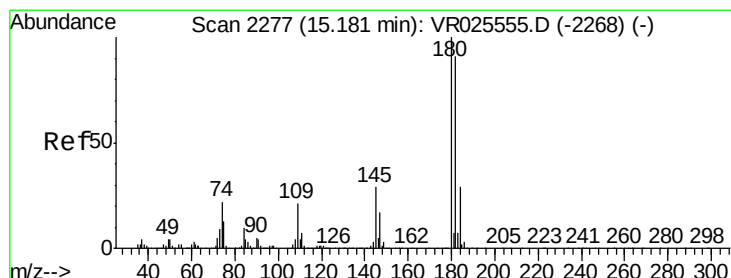
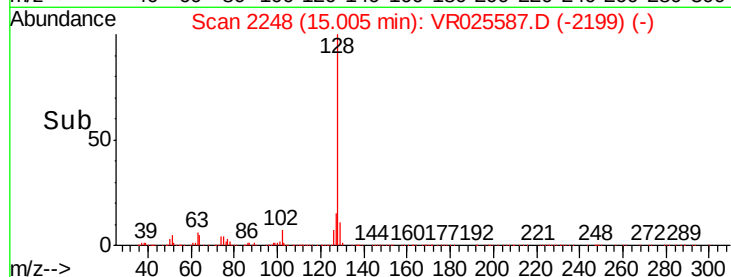
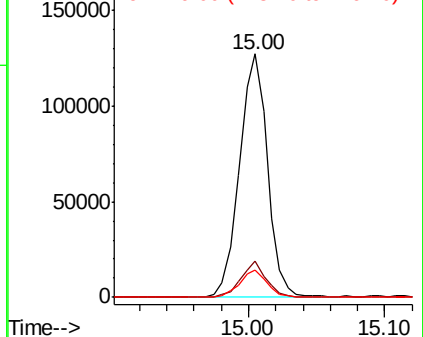
128 100

127 13.3 11.1 16.7

129 11.2 8.9 13.3



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: 5.038 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025587.D

Acq: 8 Aug 2018 9:50

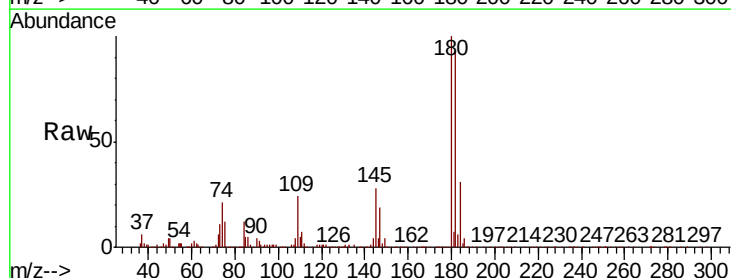
Tgt Ion:180 Resp: 150641

Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

145 29.6 26.1 39.1



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

