

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
 Data File : VR025527.D
 Acq On : 19 Jul 2018 18:21
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

Quant Time: Jul 20 01:25:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 01:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	637792	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	533626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	216970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	100013	5.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.80%
7) Chloroethane-d5	2.64	69	74282	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	3.63	63	277732	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.20%
20) 2-Butanone-d5	6.60	46	274795	50.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.64%
24) Chloroform-d	7.20	84	441813	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	7.89	65	164877	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	7.86	84	963558	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	8.90	67	258227	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	9.97	98	879881	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	10.24	79	66386	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	10.59	63	243622	54.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	118107	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	182808	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	198141	5.499 ug/L	98
3) Chloromethane	2.01	50	99848	4.674 ug/L	97
5) Vinyl chloride	2.16	62	98362	5.125 ug/L	93
6) Bromomethane	2.53	94	43906	3.888 ug/L	92
8) Chloroethane	2.66	64	53824	4.505 ug/L	97
9) Trichlorofluoromethane	2.97	101	153738	4.903 ug/L #	67
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	104932	5.497 ug/L	98
12) 1,1-Dichloroethene	3.65	96	95552	5.012 ug/L	90
13) Acetone	3.71	43	110146	44.765 ug/L	98
14) Carbon disulfide	3.97	76	171875	3.961 ug/L	100
15) Methyl Acetate	4.19	43	27634	5.020 ug/L	94
16) Methylene chloride	4.41	84	43980	2.355 ug/L	89
17) Methyl tert-butyl Ether	4.90	73	302397	4.866 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	235822	4.972 ug/L	94
19) 1,1-Dichloroethane	5.69	63	391645	4.813 ug/L	99
21) 2-Butanone	6.69	43	284510	49.640 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	234018	5.376 ug/L	91

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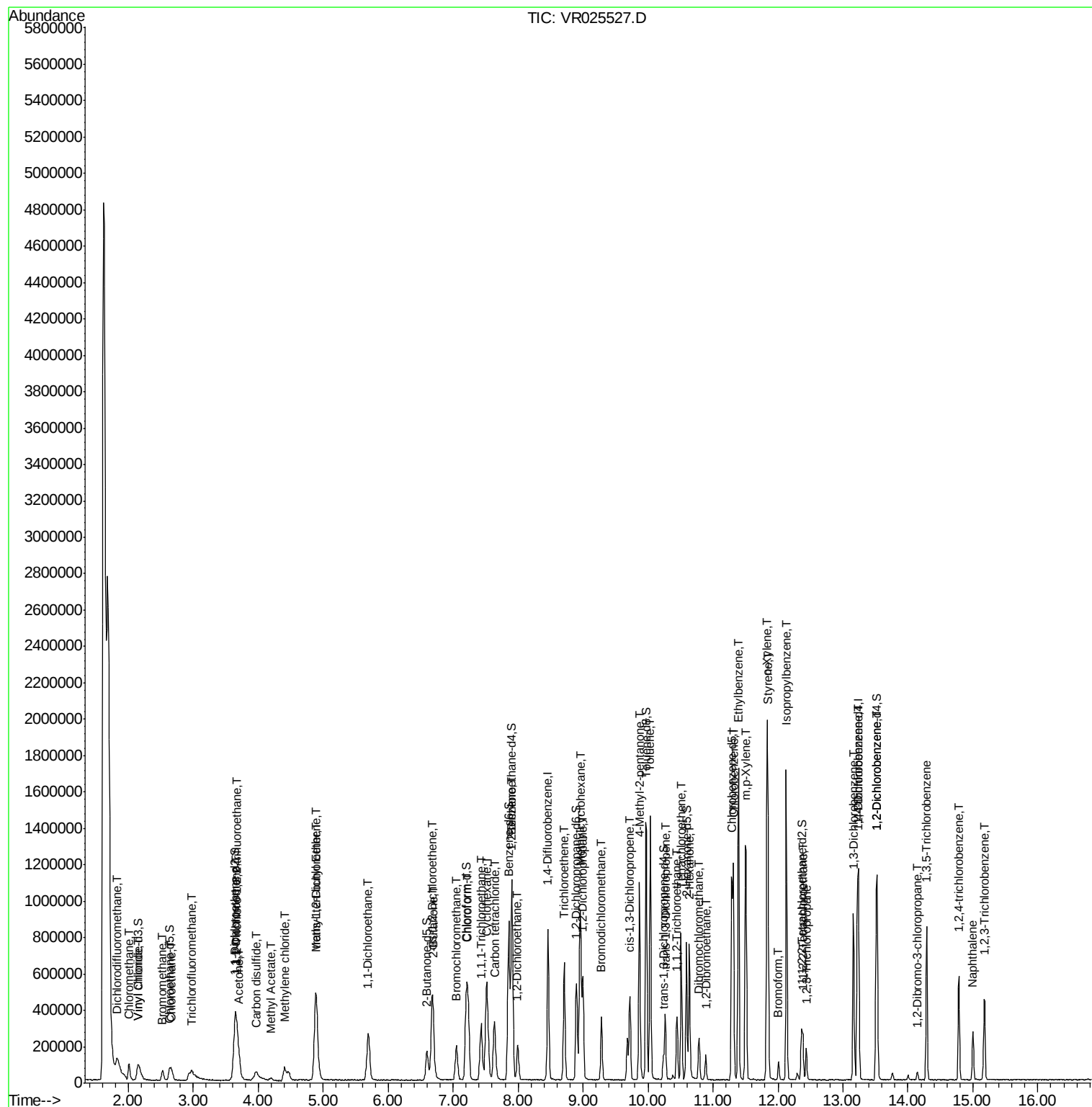
23) Bromochloromethane	7.05	128	69411	4.953	ug/L #	92
25) Chloroform	7.23	83	387896	4.963	ug/L	99
27) 1,2-Dichloroethane	7.99	62	168921	4.821	ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	266009	4.901	ug/L	98
30) Cyclohexane	7.52	56	346610	5.953	ug/L	95
31) Carbon tetrachloride	7.63	117	264336	5.505	ug/L	97
33) Benzene	7.91	78	952225	5.177	ug/L	100
34) Trichloroethene	8.71	95	225913	4.825	ug/L	97
35) Methylcyclohexane	8.96	83	387727	6.193	ug/L	96
37) 1,2-Dichloropropane	8.99	63	207371	4.850	ug/L	100
38) Bromodichloromethane	9.28	83	216172	4.961	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	247674	5.152	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	653908	52.776	ug/L	94
42) Toluene	10.03	91	974320	5.447	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	171970	4.871	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	102908	4.912	ug/L	95
47) Tetrachloroethene	10.51	164	159400	5.213	ug/L	96
48) 2-Hexanone	10.64	43	437162	51.291	ug/L	96
49) Dibromochloromethane	10.78	129	109623	5.019	ug/L	96
50) 1,2-Dibromoethane	10.89	107	83560	4.924	ug/L #	95
51) Chlorobenzene	11.31	112	551149	5.061	ug/L	99
52) Ethylbenzene	11.39	91	1074300	5.601	ug/L	96
53) m,p-Xylene	11.50	106	397797	5.527	ug/L	93
54) o-Xylene	11.83	106	362312	5.844	ug/L	97
55) Styrene	11.85	104	580360	5.690	ug/L	93
56) Isopropylbenzene	12.13	105	980804	5.975	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	103064	4.995	ug/L	86
59) 1,2,3-Trichloropropane	12.44	75	72897	4.908	ug/L	96
61) Bromoform	12.01	173	39817	4.506	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	327479	5.151	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	345167	4.891	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	281255	5.091	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	10633	4.351	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	225202	5.424	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	144485	5.062	ug/L	99
69) Naphthalene	15.00	128	184473	5.047	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	119132	5.412	ug/L	97

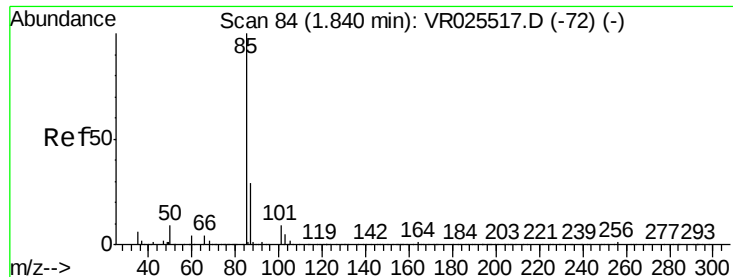
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.499 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.01 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

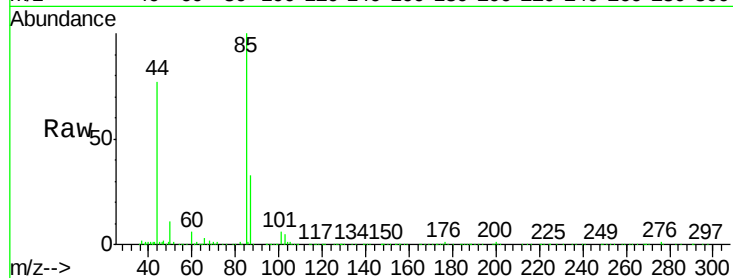
VSTD00599

Tgt Ion: 85 Resp: 198141

Ion Ratio Lower Upper

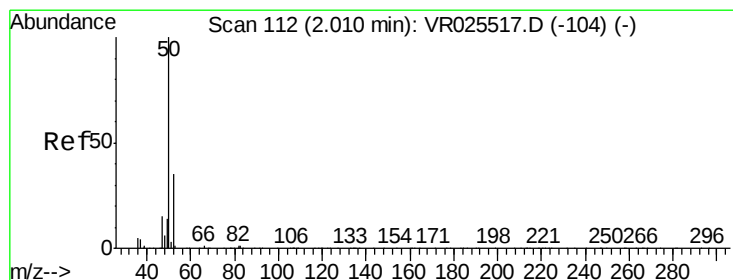
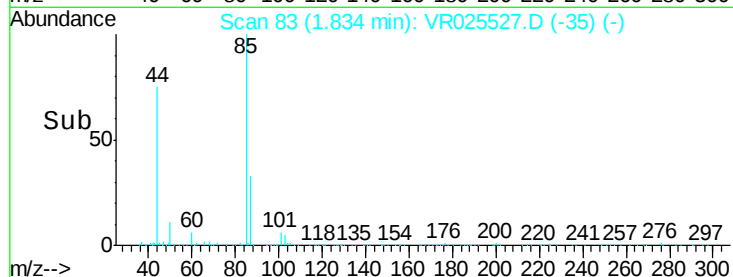
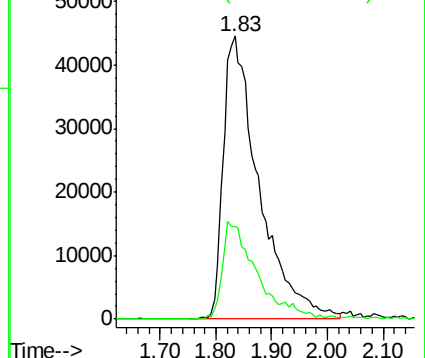
85 100

87 32.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.674 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025527.D

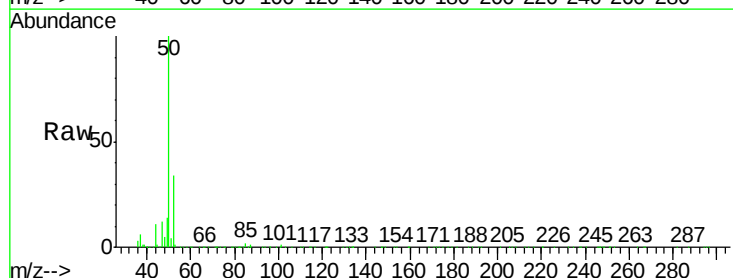
Acq: 19 Jul 2018 18:21

Tgt Ion: 50 Resp: 99848

Ion Ratio Lower Upper

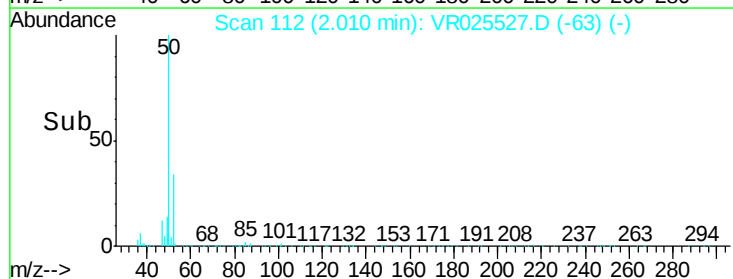
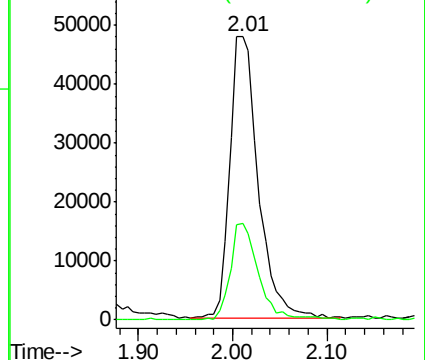
50 100

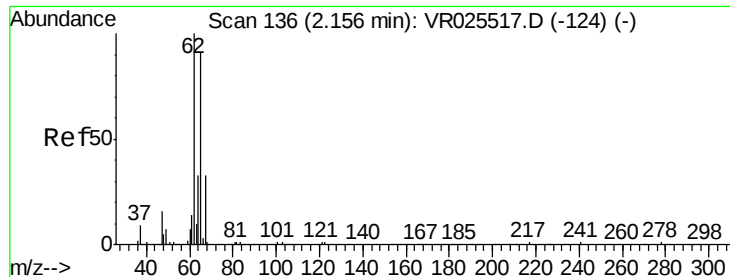
52 34.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.125 ug/L

RT: 2.16 min Scan# 136

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

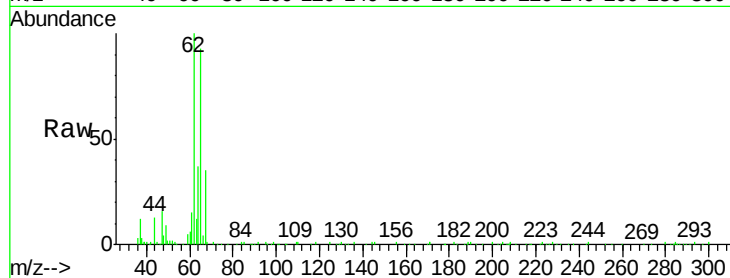
VSTD00599

Tgt Ion: 62 Resp: 98362

Ion Ratio Lower Upper

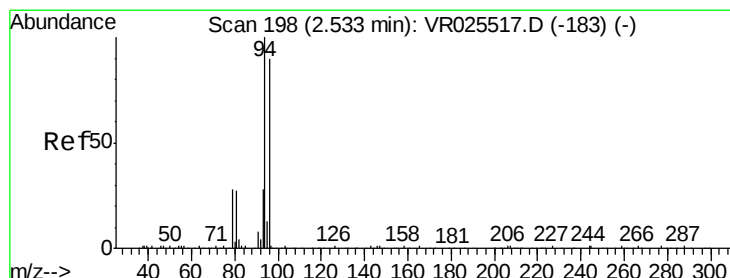
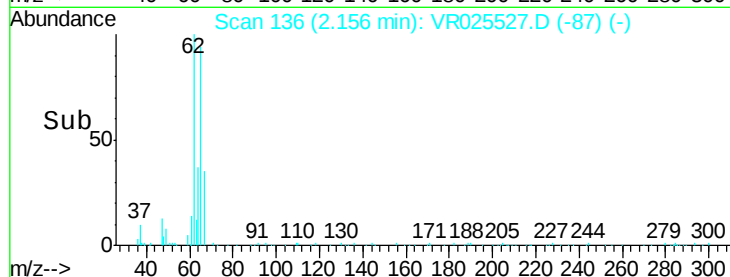
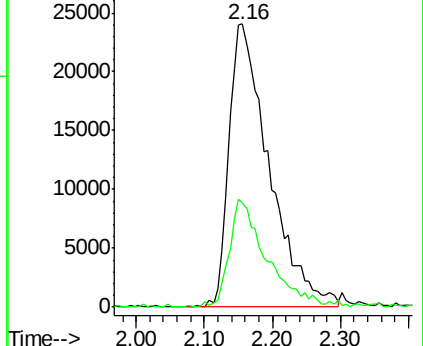
62 100

64 36.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 3.888 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.01 min

Lab File: VR025527.D

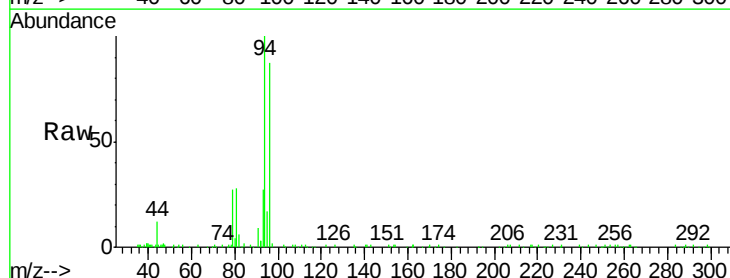
Acq: 19 Jul 2018 18:21

Tgt Ion: 94 Resp: 43906

Ion Ratio Lower Upper

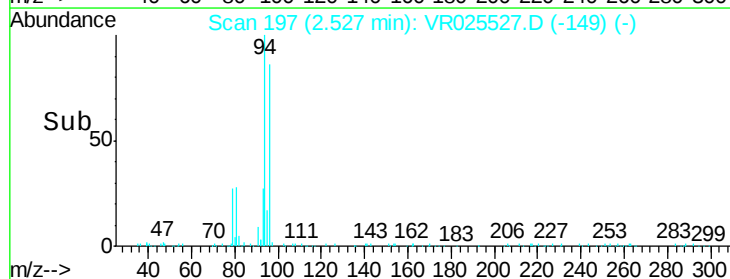
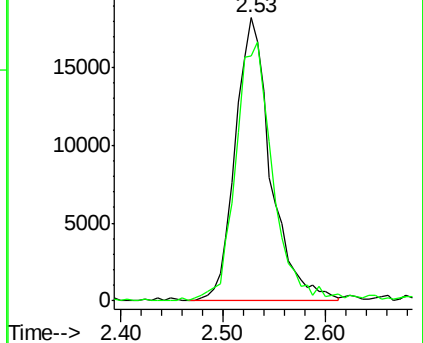
94 100

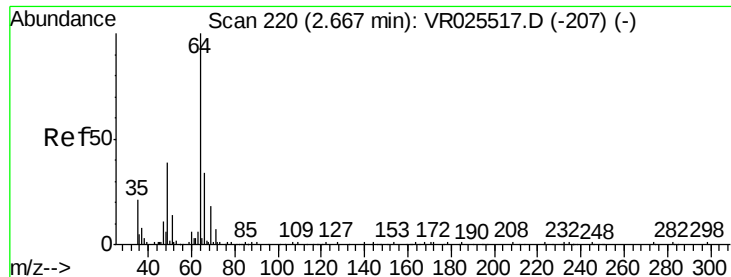
96 86.6 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

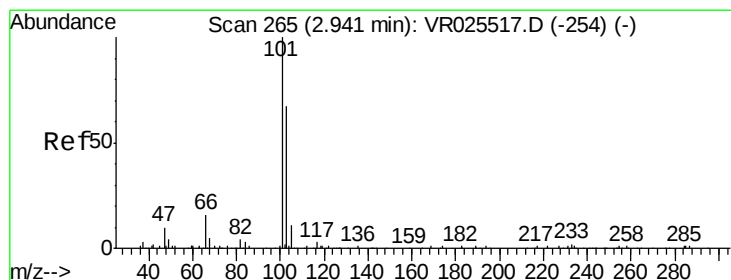
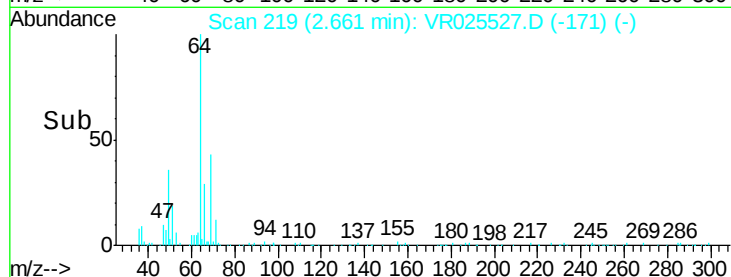
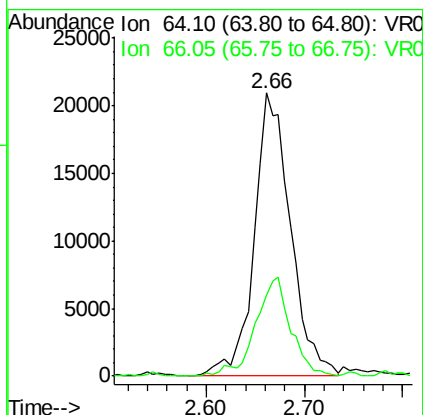
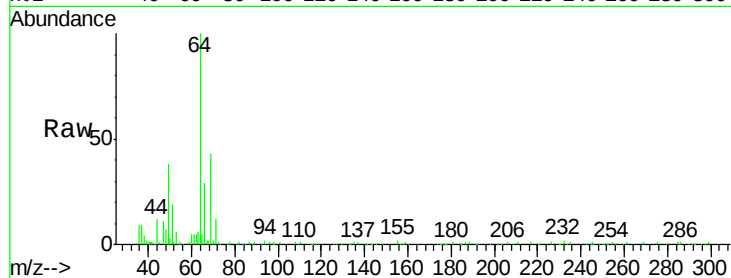




#8
Chloroethane
Concen: 4.505 ug/L
RT: 2.66 min Scan# 219
Delta R.T. -0.01 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

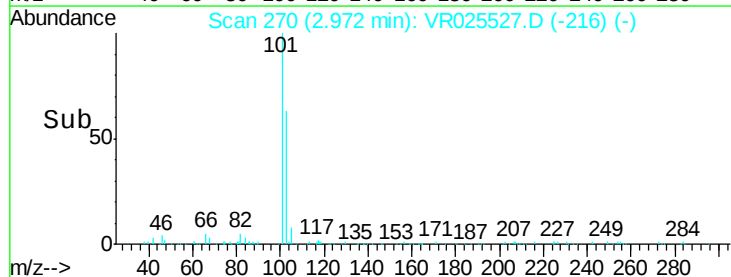
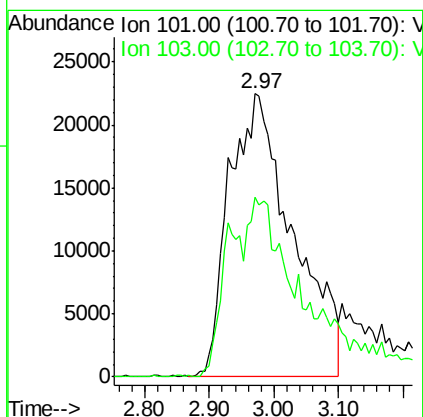
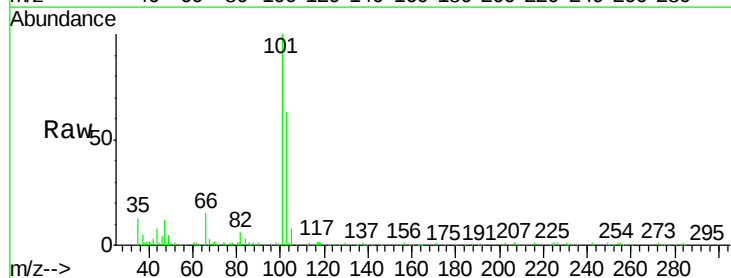
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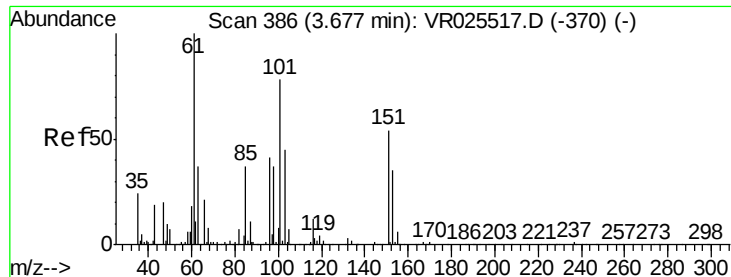
Tgt Ion: 64 Resp: 53824
Ion Ratio Lower Upper
64 100
66 28.8 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.903 ug/L
RT: 2.97 min Scan# 270
Delta R.T. 0.03 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Tgt Ion: 101 Resp: 153738
Ion Ratio Lower Upper
101 100
103 27.1 11.0 16.4#





#10

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

Concen: 5.497 ug/L

RT: 3.67 min Scan# 385

Delta R.T. -0.01 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

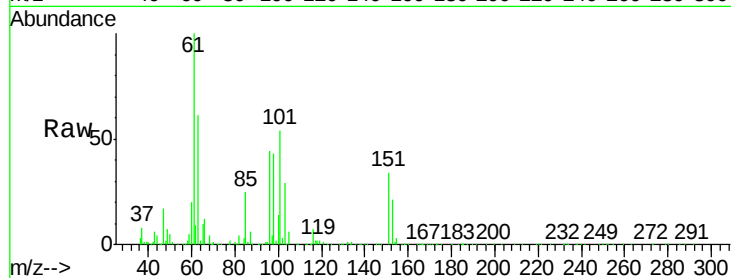
Tgt Ion:101 Resp: 104932

Ion Ratio Lower Upper

101 100

85 52.3 39.1 58.7

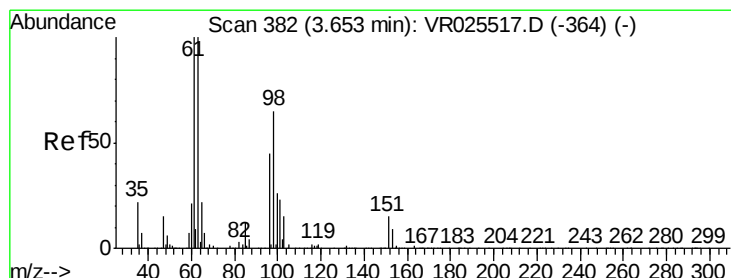
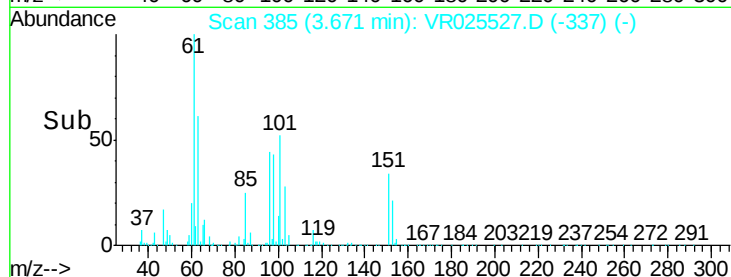
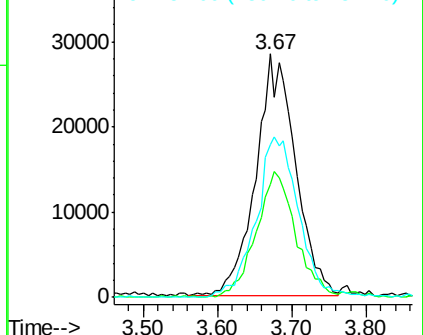
151 72.1 57.5 86.3



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: 5.012 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

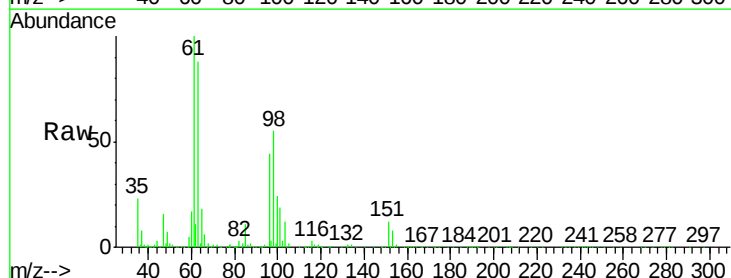
Tgt Ion: 96 Resp: 95552

Ion Ratio Lower Upper

96 100

61 227.4 155.0 287.9

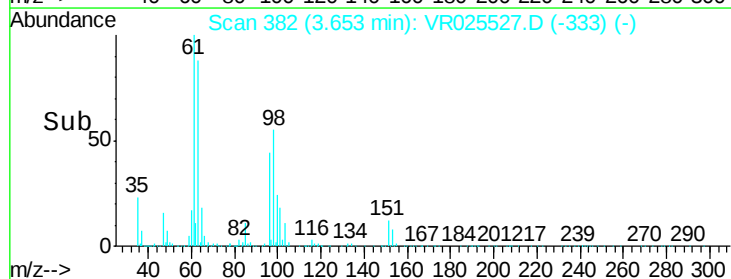
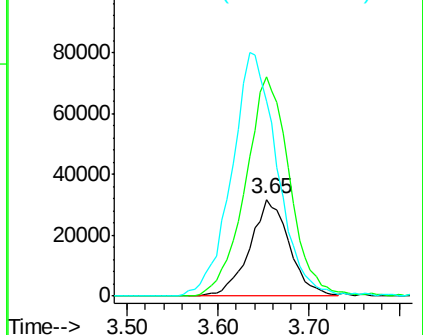
63 201.0 122.3 227.1

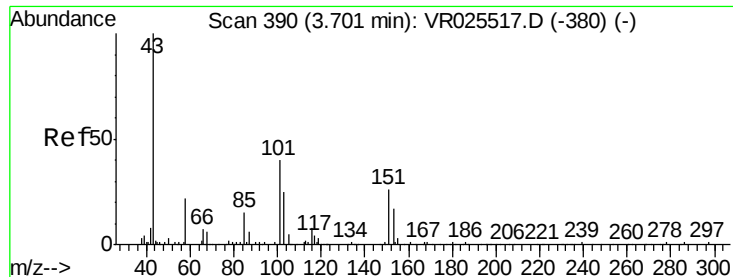


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 44.765 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

Lab File: VR025527.D

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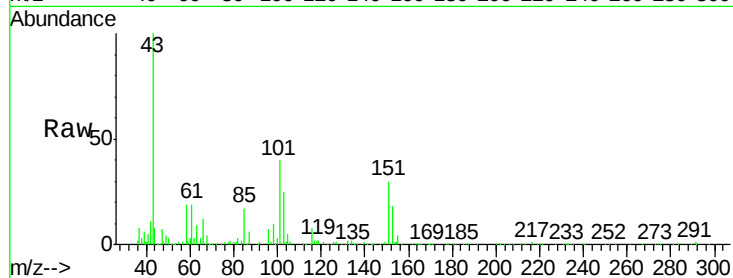
VSTD00599

Tgt Ion: 43 Resp: 110146

Ion Ratio Lower Upper

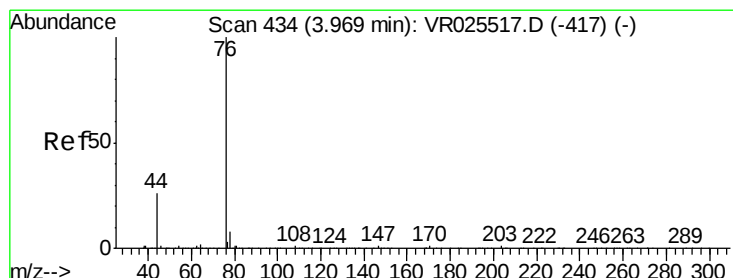
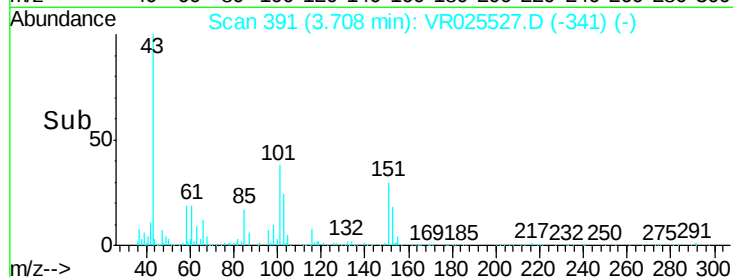
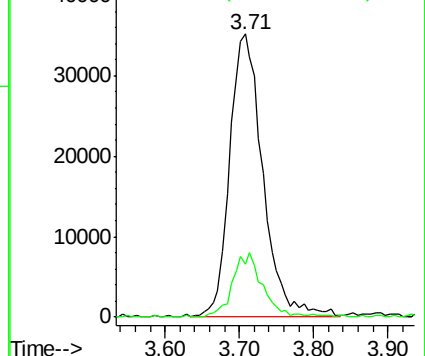
43 100

58 20.0 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 3.961 ug/L

RT: 3.97 min Scan# 434

Delta R.T. 0.00 min

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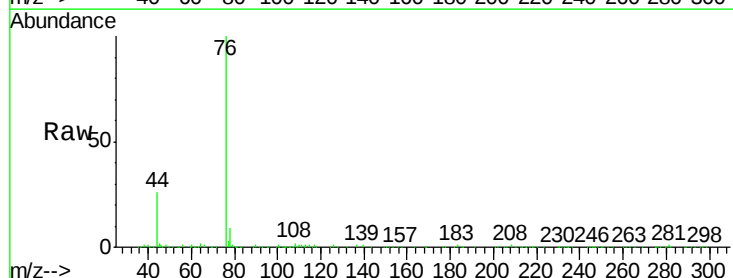
Acq: 19 Jul 2018 18:21

Tgt Ion: 76 Resp: 171875

Ion Ratio Lower Upper

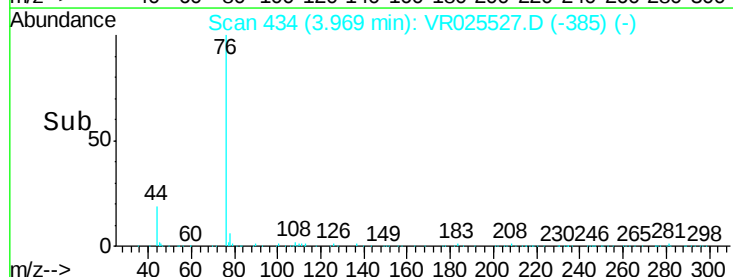
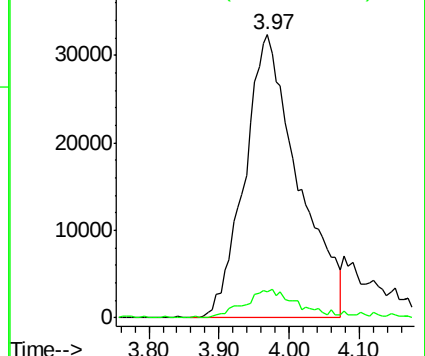
76 100

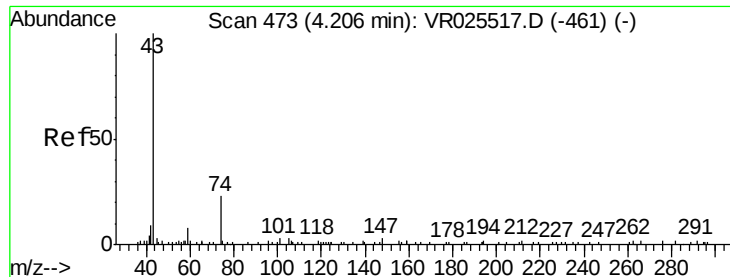
78 9.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 5.020 ug/L

RT: 4.19 min Scan# 471

Delta R.T. -0.01 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

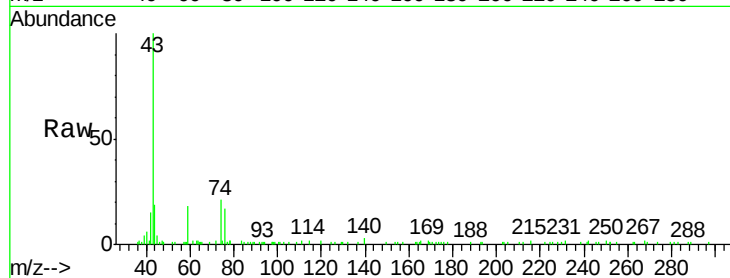
VSTD00599

Tgt Ion: 43 Resp: 27634

Ion Ratio Lower Upper

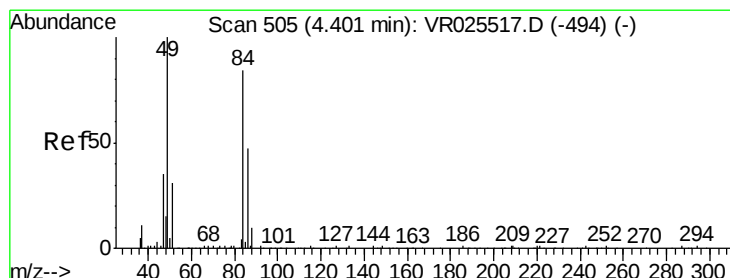
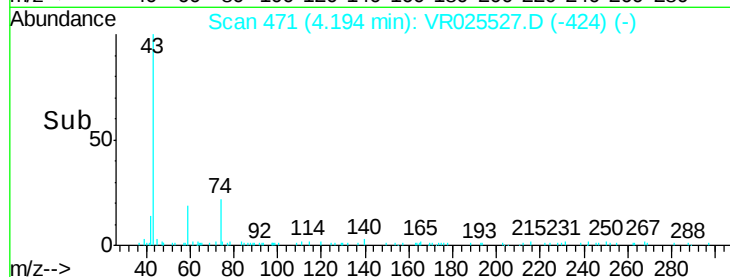
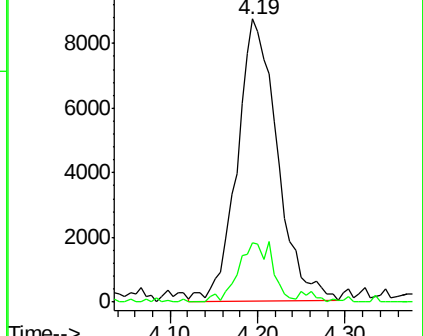
43 100

74 18.3 16.7 25.1



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 2.355 ug/L

RT: 4.41 min Scan# 506

Delta R.T. 0.01 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

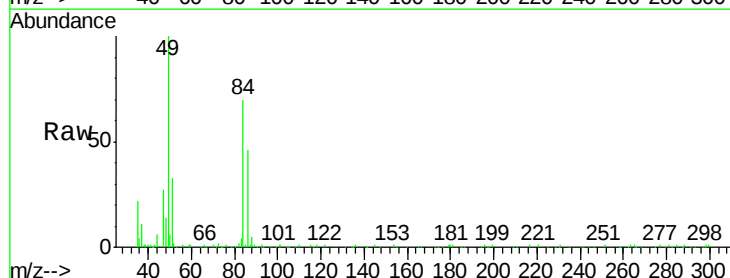
Tgt Ion: 84 Resp: 43980

Ion Ratio Lower Upper

84 100

86 65.1 43.7 81.1

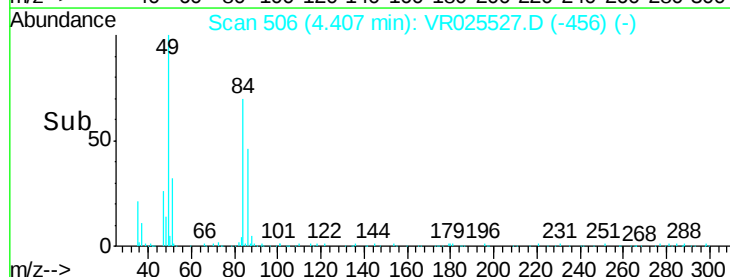
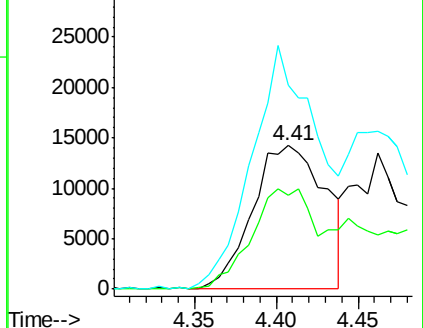
49 141.9 87.2 162.0

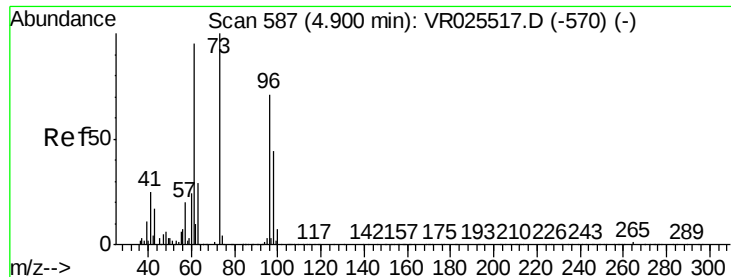


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

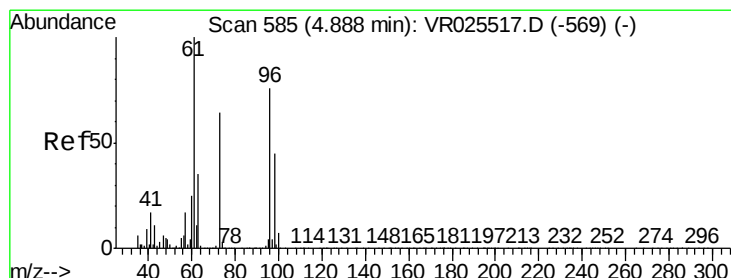
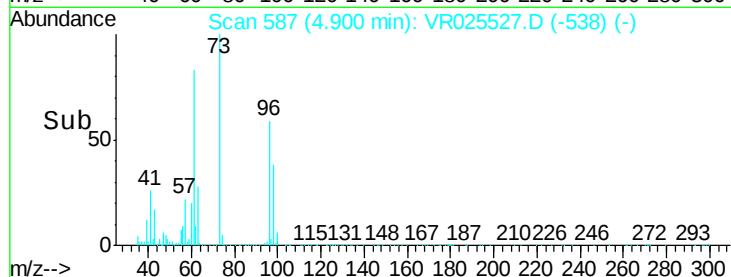
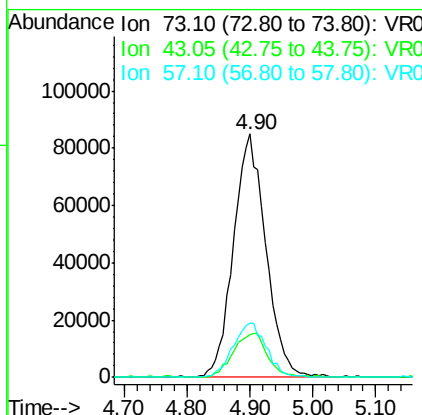
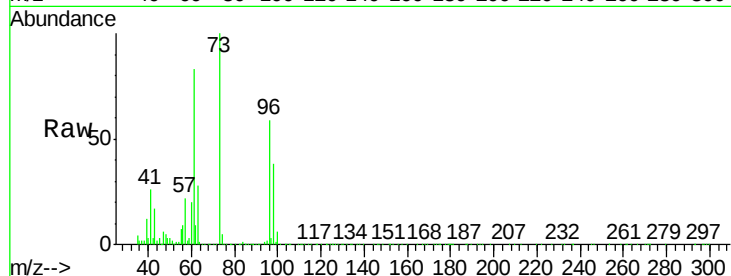




#17
Methyl tert-butyl Ether
Concen: 4.866 ug/L
RT: 4.90 min Scan# 587
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

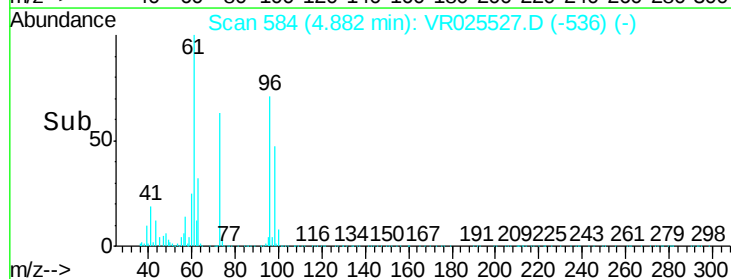
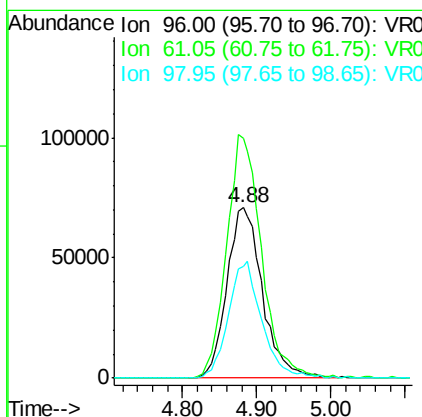
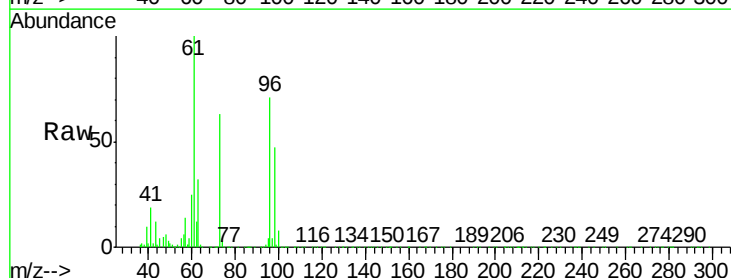
Instrument :
MSVOA_R
ClientSampled :
VSTD00599

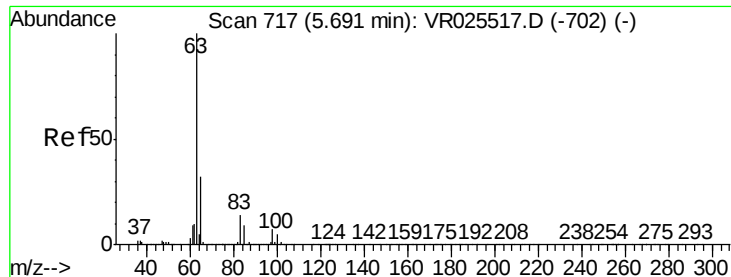
Tgt Ion: 73 Resp: 302397
Ion Ratio Lower Upper
73 100
43 18.6 15.8 23.6
57 22.8 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.972 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Tgt Ion: 96 Resp: 235822
Ion Ratio Lower Upper
96 100
61 140.3 104.4 193.8
98 65.4 43.1 80.1





#19

1,1-Dichloroethane

Concen: 4.813 ug/L

RT: 5.69 min Scan# 717

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

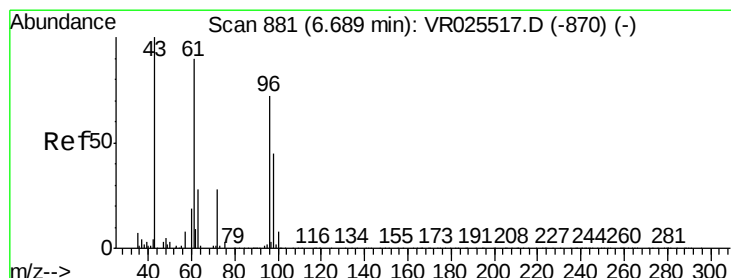
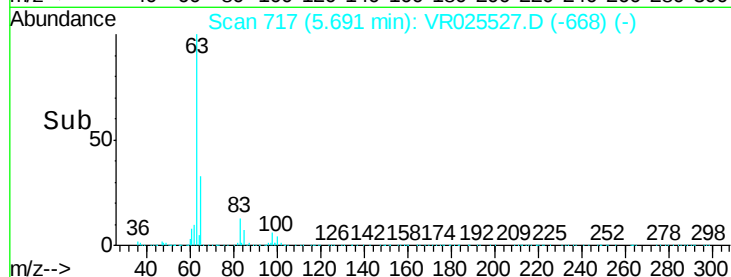
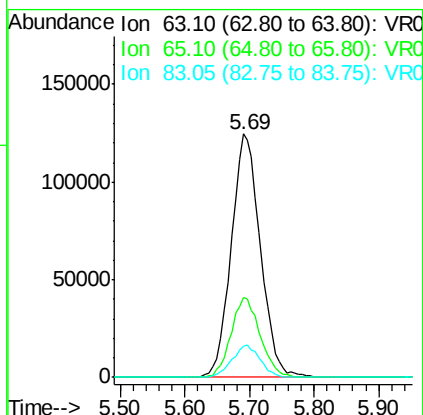
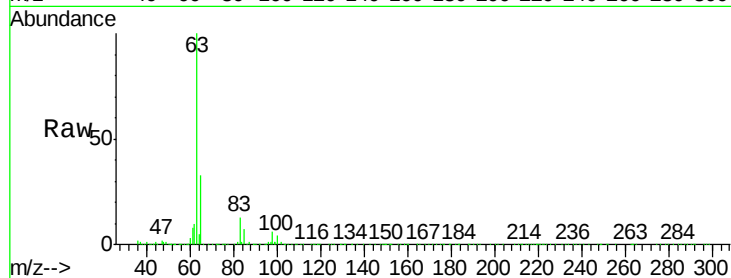
Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

Tgt Ion:	63	Resp:	391645
Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.5	41.7
83	12.8	9.5	17.7



#21

2-Butanone

Concen: 49.640 ug/L

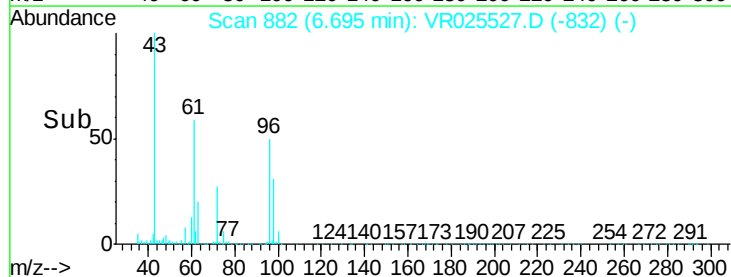
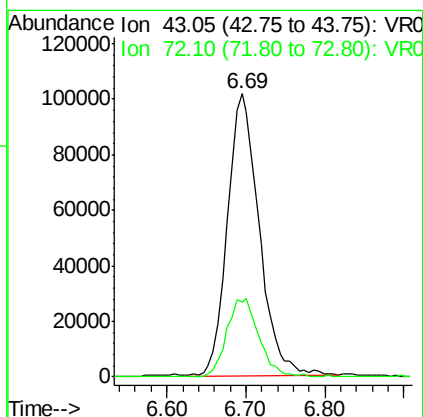
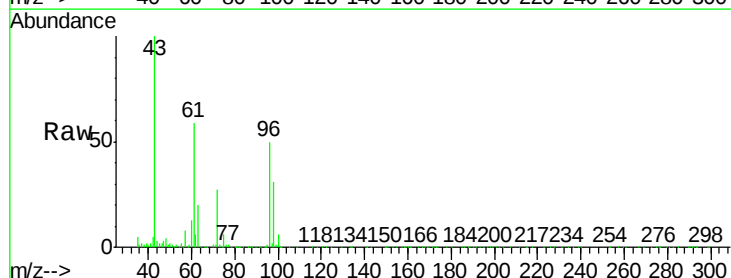
RT: 6.69 min Scan# 882

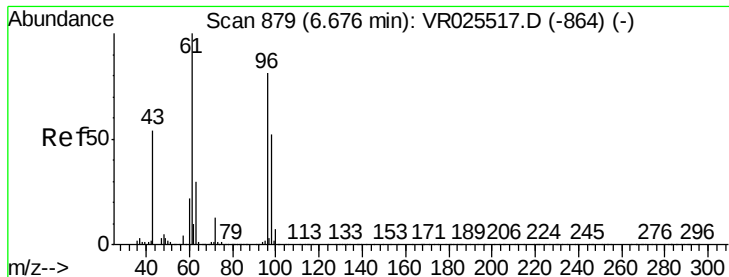
Delta R.T. 0.01 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Tgt Ion:	43	Resp:	284510
Ion	Ratio	Lower	Upper
43	100		
72	28.3	13.0	38.9



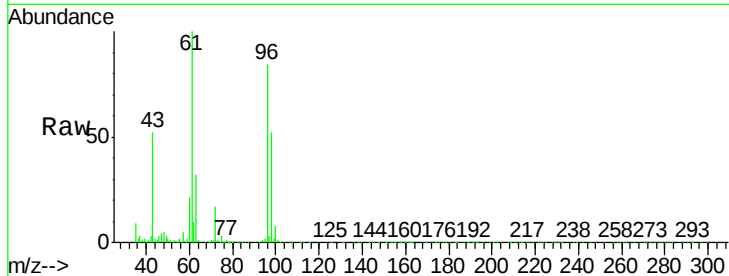


#22

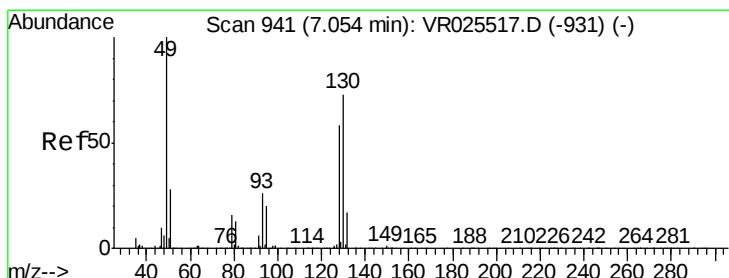
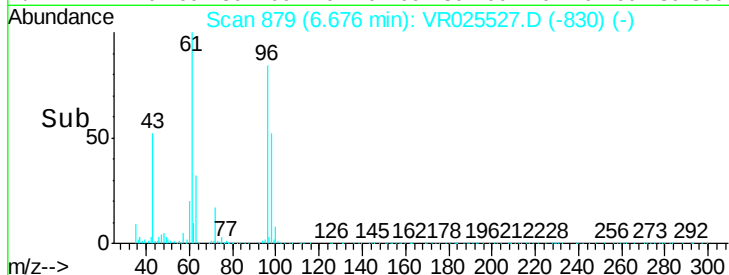
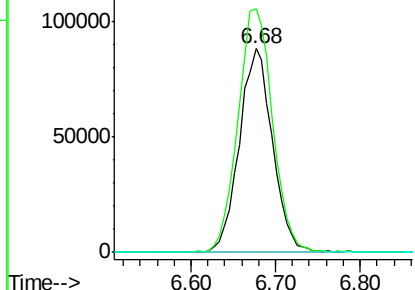
cis-1,2-Dichloroethene
 Concen: 5.376 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00599

Tgt Ion: 96 Resp: 234018
 Ion Ratio Lower Upper
 96 100
 61 119.7 91.0 169.0
 68 0.0 0.0 0.0



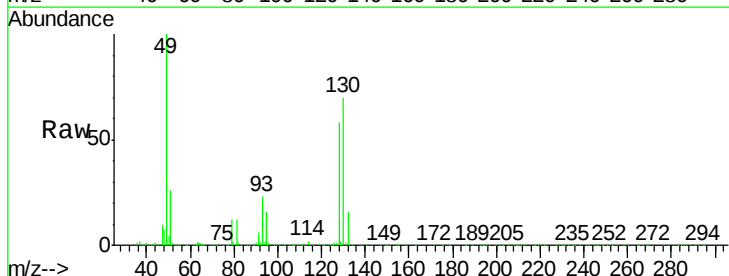
Abundance Ion 96.00 (95.70 to 96.70): VR0
 Ion 61.05 (60.75 to 61.75): VR0
 Ion 68.15 (67.85 to 68.85): VR0



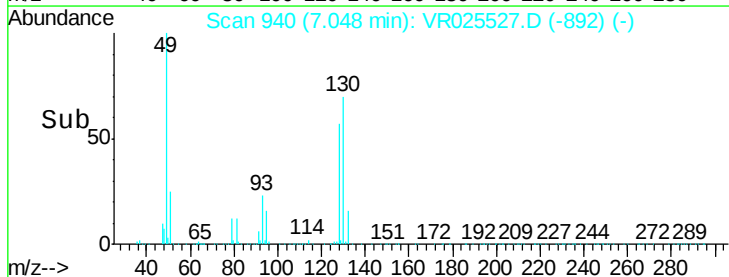
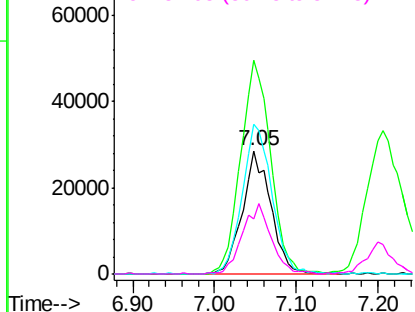
#23

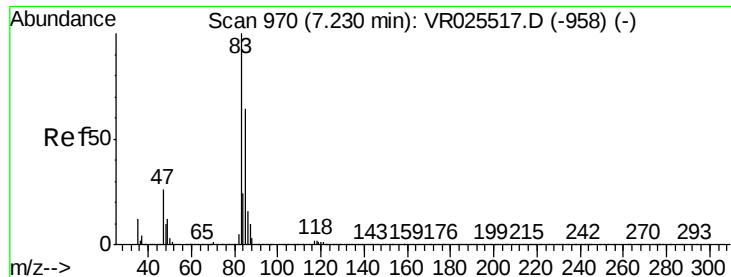
Bromochloromethane
 Concen: 4.953 ug/L
 RT: 7.05 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Tgt Ion: 128 Resp: 69411
 Ion Ratio Lower Upper
 128 100
 49 173.3 128.7 238.9
 130 121.1 87.2 161.9
 51 45.0 48.2 72.2#



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

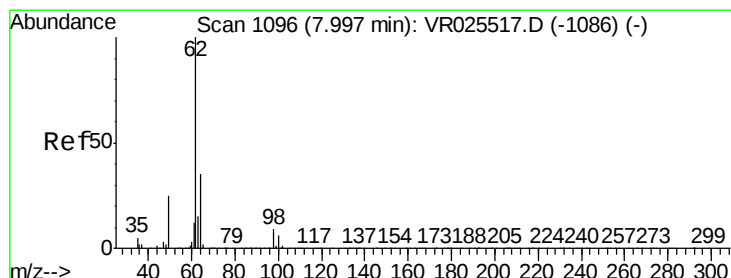
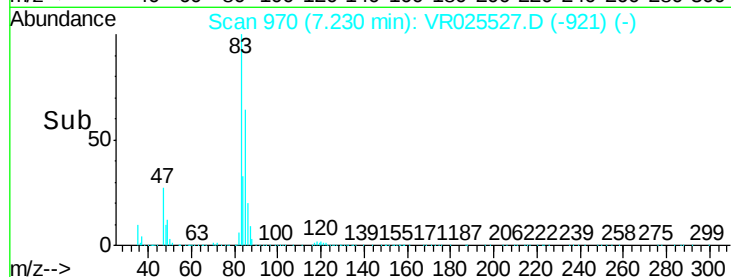
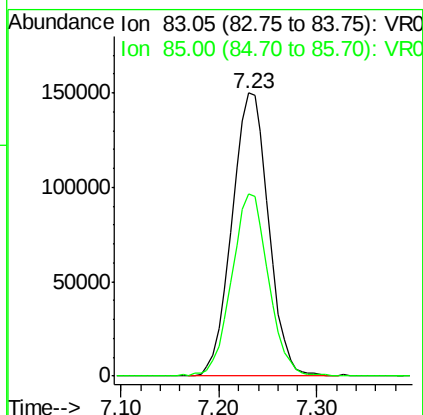
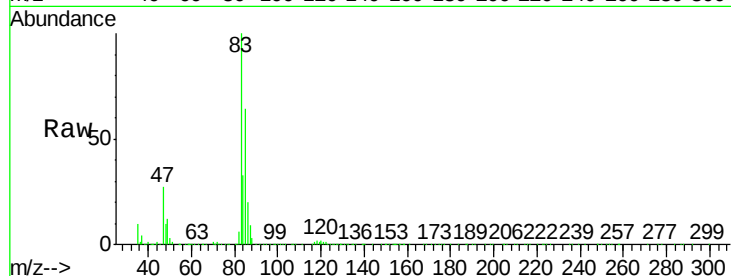




#25
Chloroform
Concen: 4.963 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

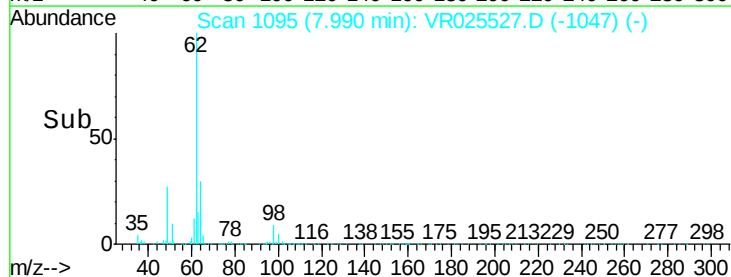
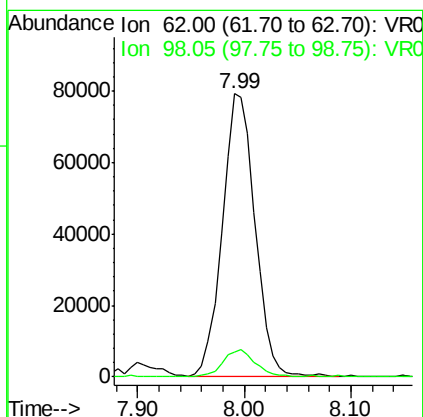
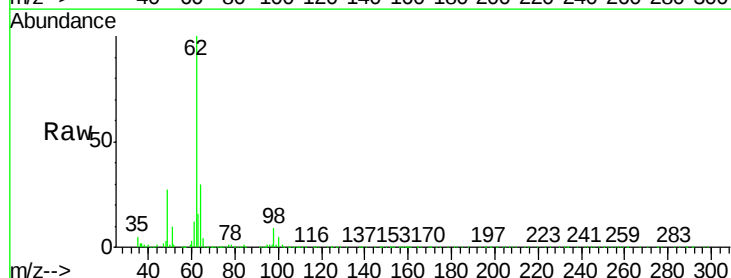
Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

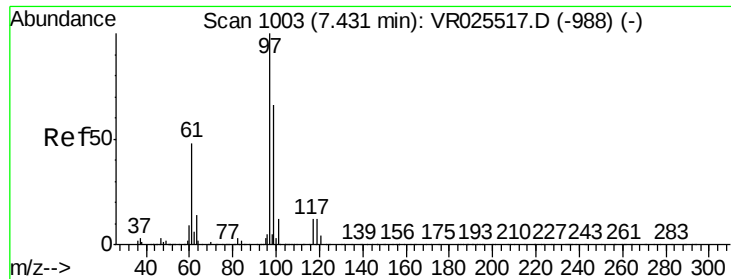
Tgt Ion: 83 Resp: 387896
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.821 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Tgt Ion: 62 Resp: 168921
Ion Ratio Lower Upper
62 100
98 8.9 5.4 8.2#

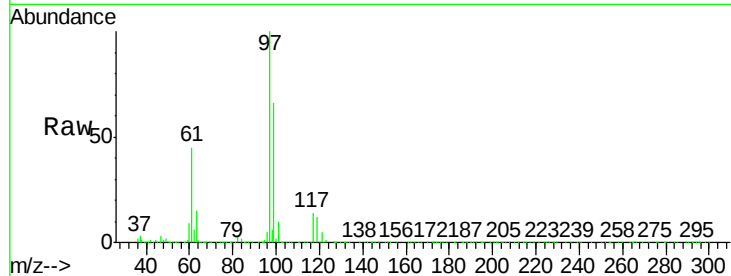




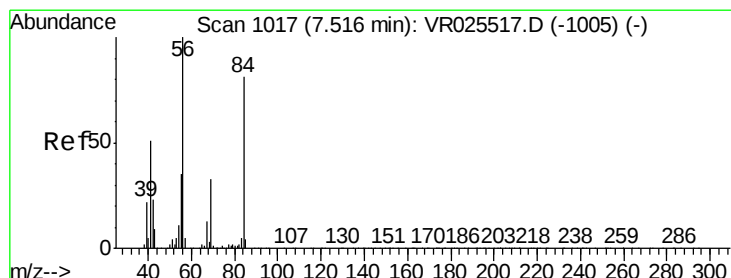
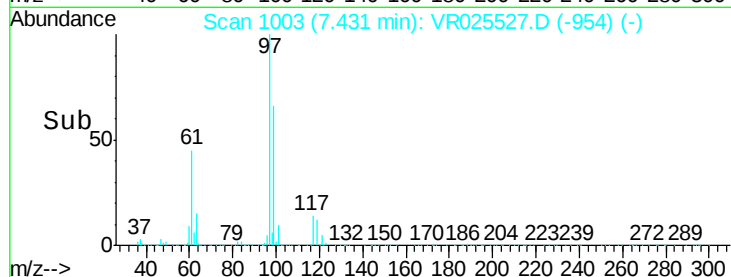
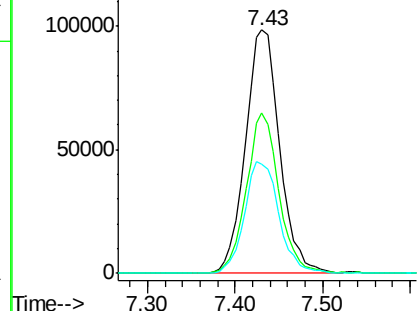
#29
 1,1,1-Trichloroethane
 Concen: 4.901 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	52.1	78.1
61	46.8	37.0	55.6

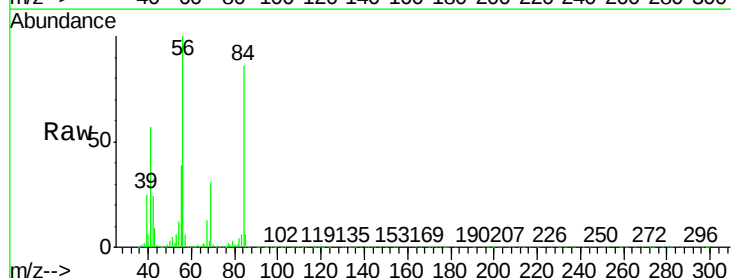


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

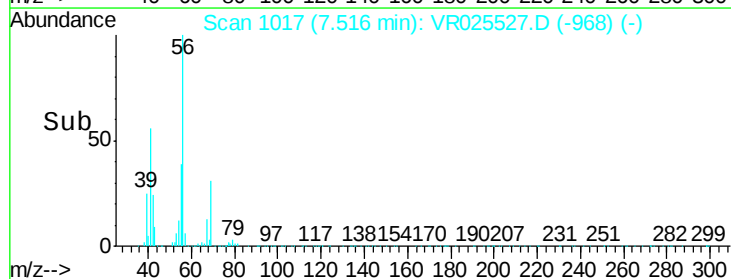
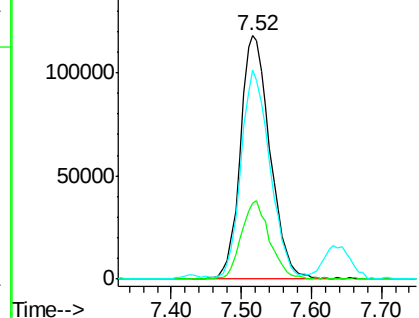


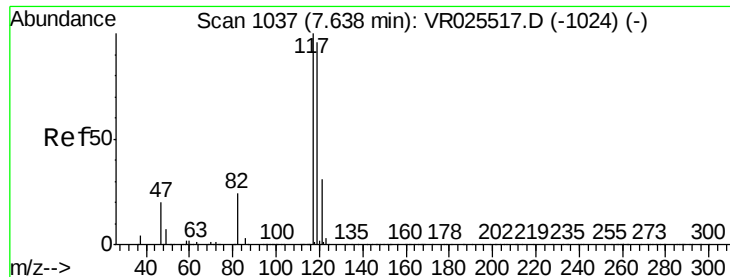
#30
 Cyclohexane
 Concen: 5.953 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	83.7	62.6	93.8



Abundance Ion 56.10 (55.80 to 56.80): VR0
 Ion 69.15 (68.85 to 69.85): VR0
 Ion 84.15 (83.85 to 84.85): VR0

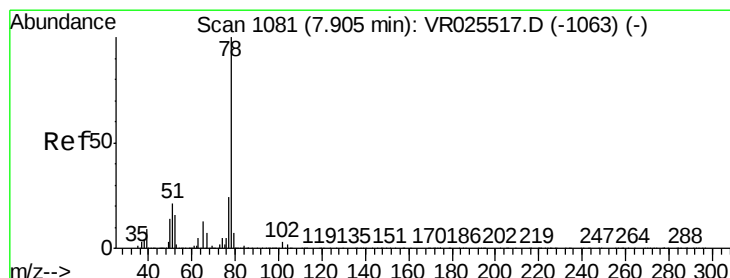
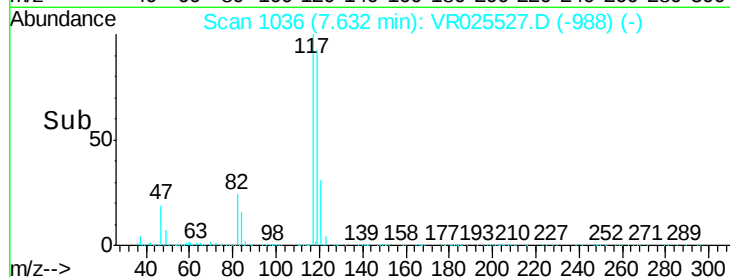
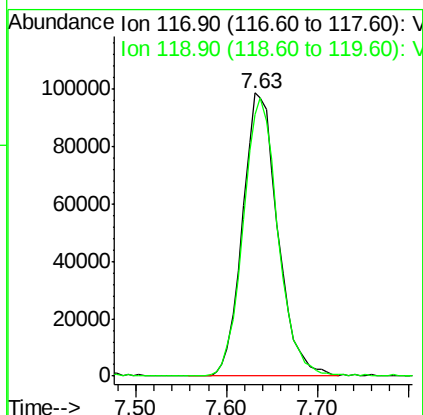
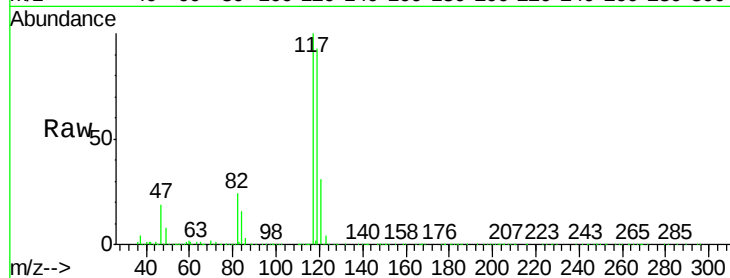




#31
Carbon tetrachloride
Concen: 5.505 ug/L
RT: 7.63 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

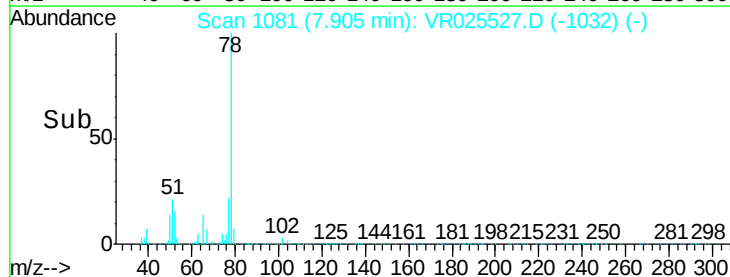
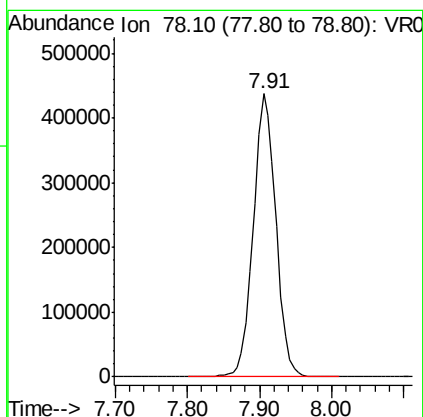
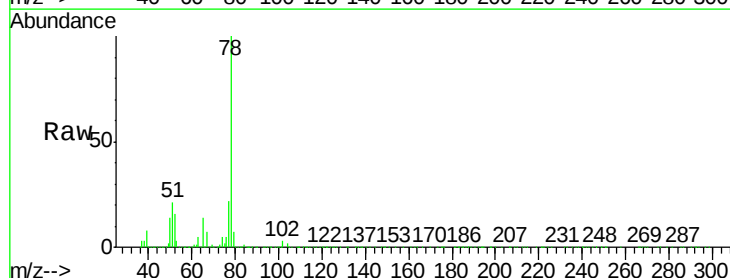
Instrument :
MSVOA_R
ClientSampled :
VSTD00599

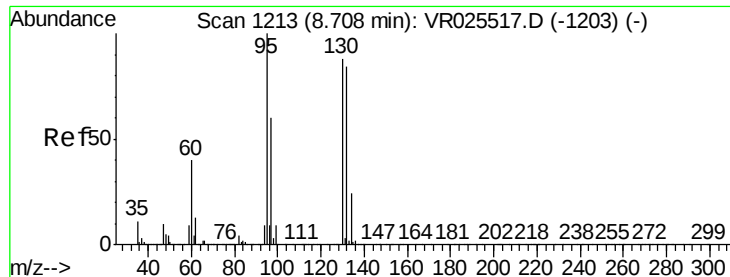
Tgt Ion:117 Resp: 264336
Ion Ratio Lower Upper
117 100
119 97.0 75.5 113.3



#33
Benzene
Concen: 5.177 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Tgt Ion: 78 Resp: 952225





#34

Trichloroethene

Concen: 4.825 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

Tgt Ion: 95 Resp: 225913

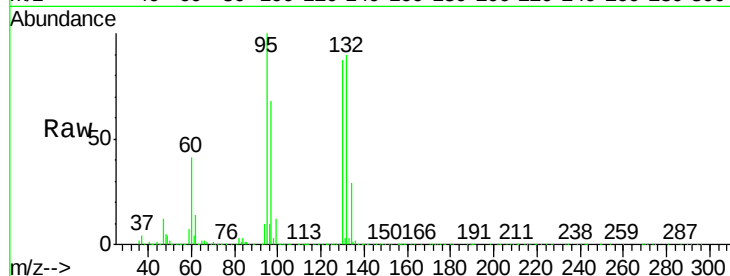
Ion Ratio Lower Upper

95 100

97 68.3 45.6 84.6

132 90.5 60.9 113.1

130 87.4 62.0 115.2

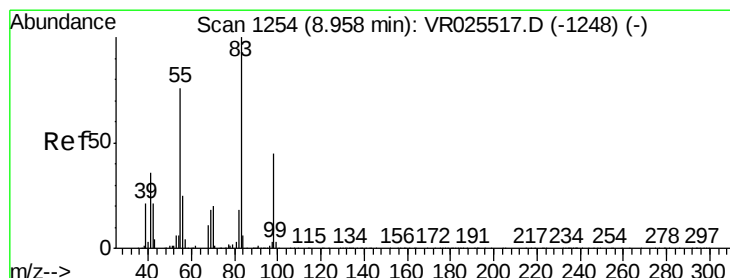
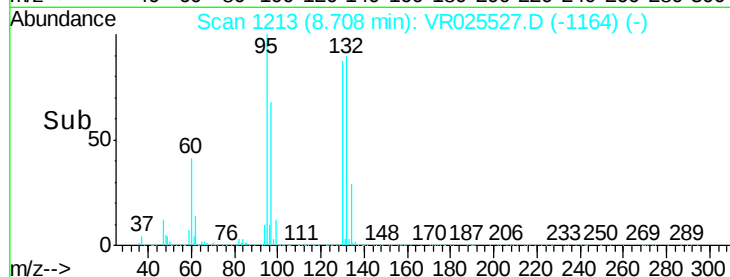
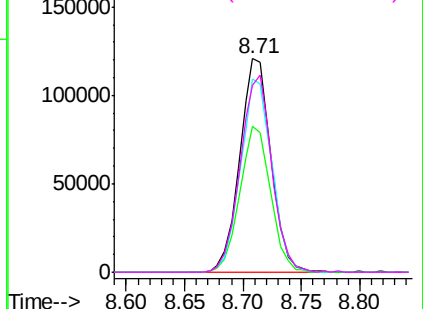


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 6.193 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

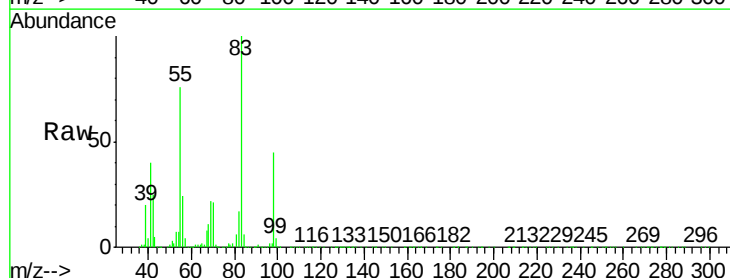
Tgt Ion: 83 Resp: 387727

Ion Ratio Lower Upper

83 100

55 77.0 66.1 99.1

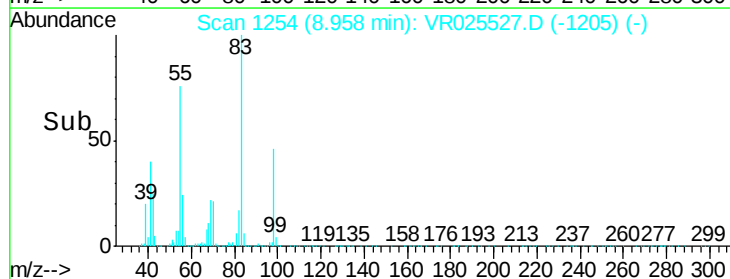
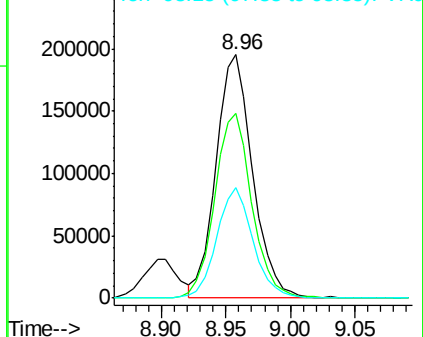
98 45.0 36.2 54.4

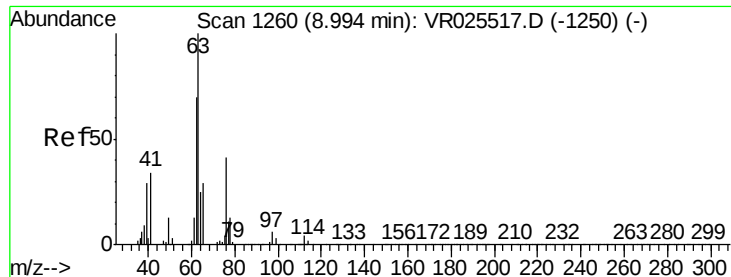


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

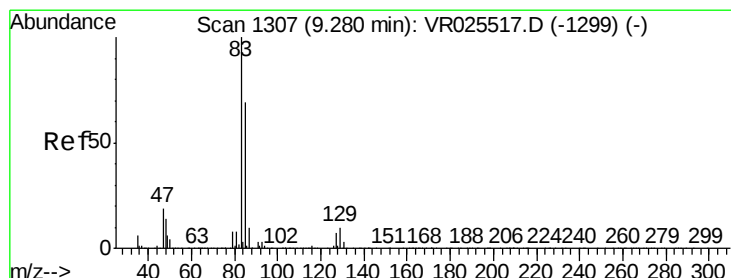
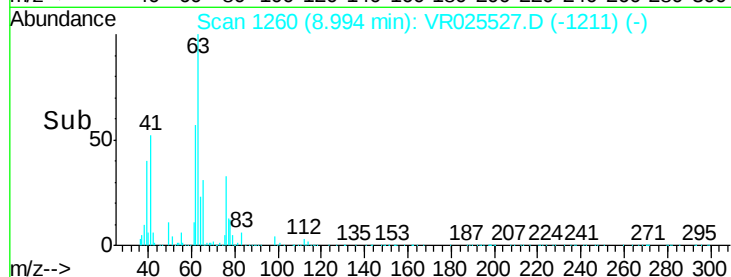
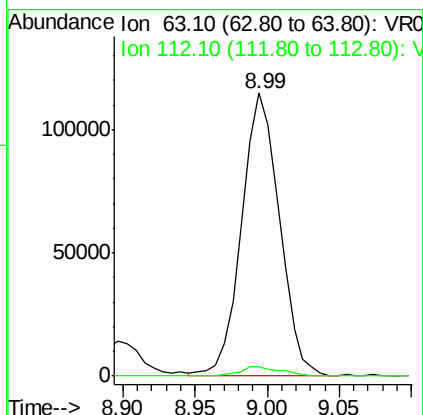
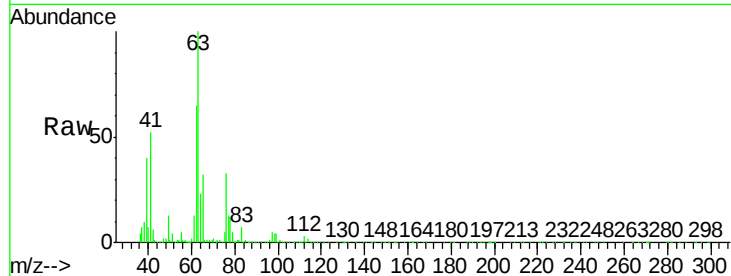




#37
 1,2-Dichloropropane
 Concen: 4.850 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

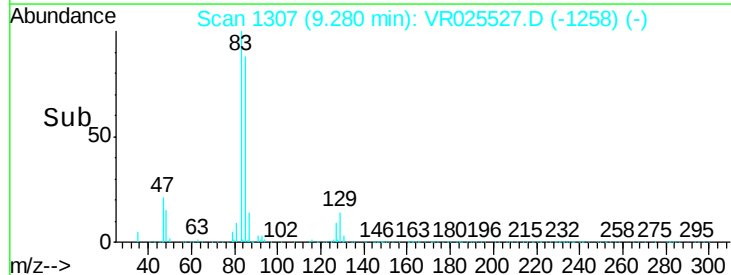
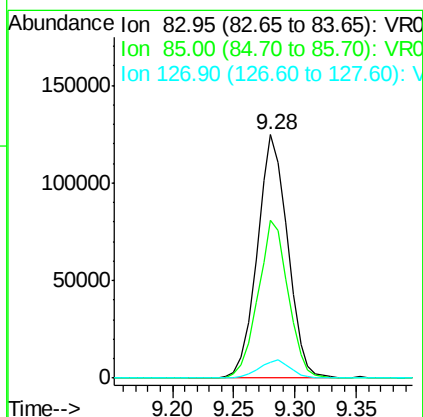
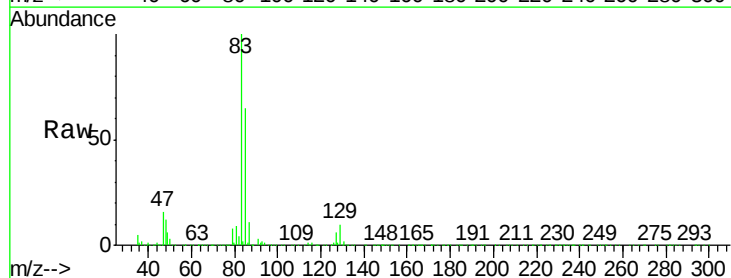
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

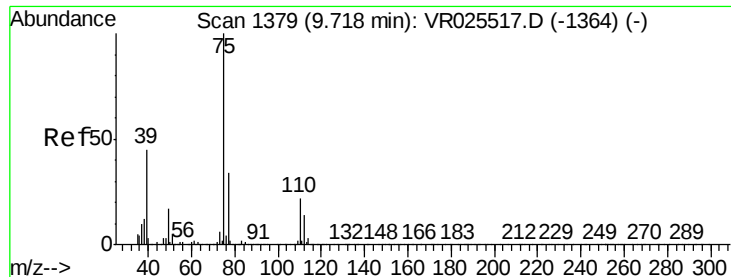
Tgt Ion: 63 Resp: 207371
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.961 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Tgt Ion: 83 Resp: 216172
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.1 85.7
 127 6.4 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 5.152 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

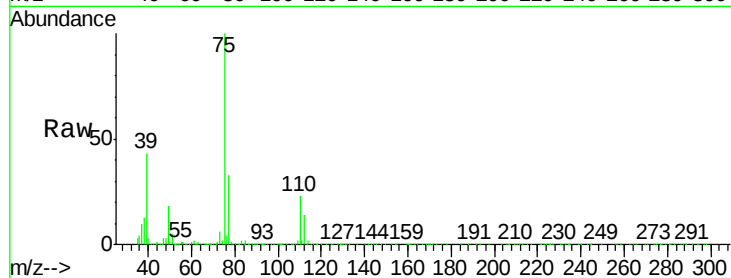
VSTD00599

Tgt Ion: 75 Resp: 247674

Ion Ratio Lower Upper

75 100

77 32.6 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

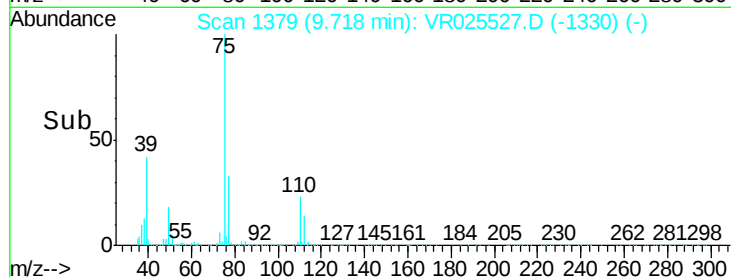
150000

100000

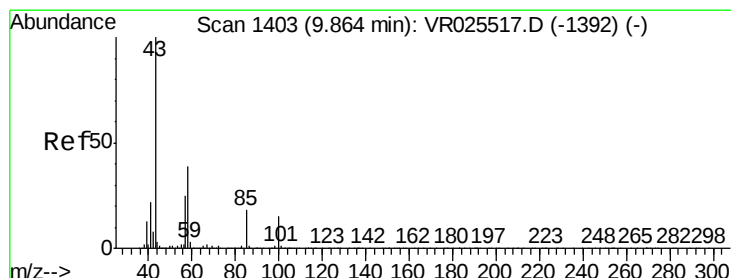
50000

0

9.60 9.70 9.80



Time-->



#40

4-Methyl-2-pentanone

Concen: 52.776 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

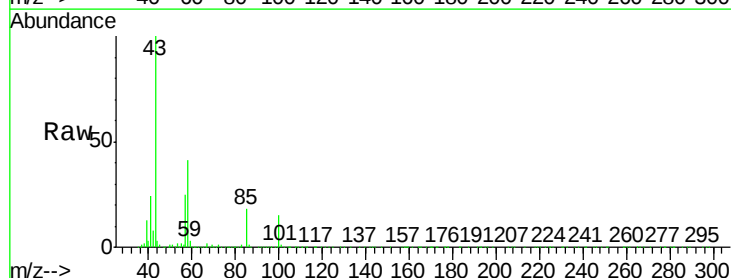
Tgt Ion: 43 Resp: 653908

Ion Ratio Lower Upper

43 100

58 41.2 30.3 45.5

100 15.2 10.3 15.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

500000

400000

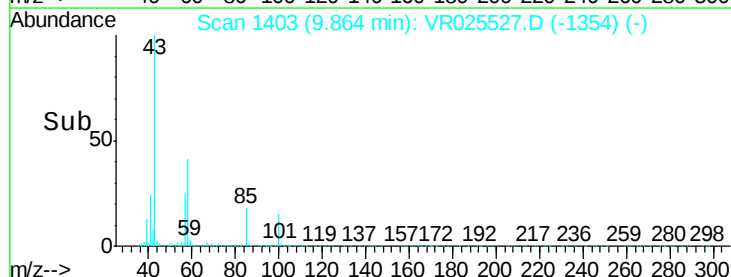
300000

200000

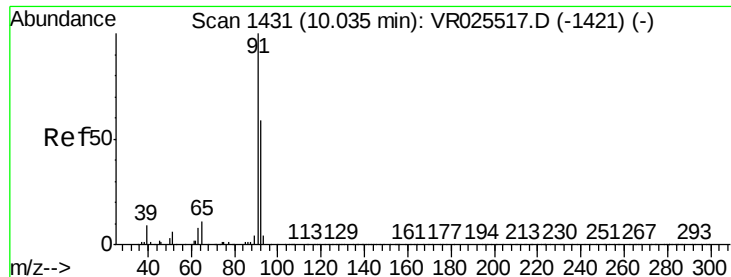
100000

0

9.80 9.90



Time-->



#42

Toluene

Concen: 5.447 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

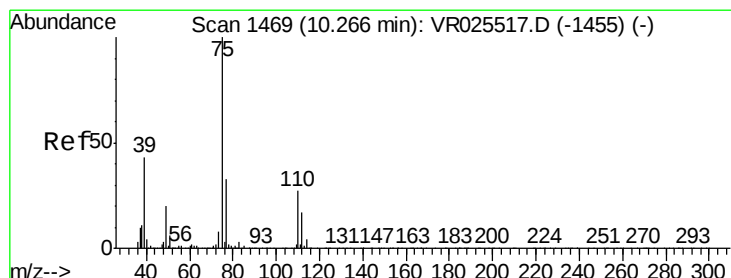
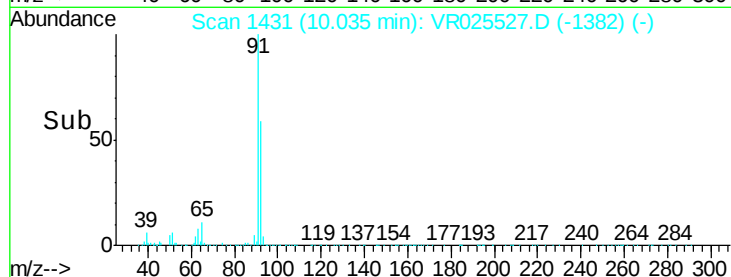
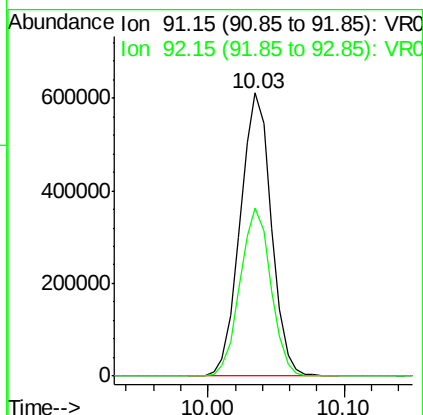
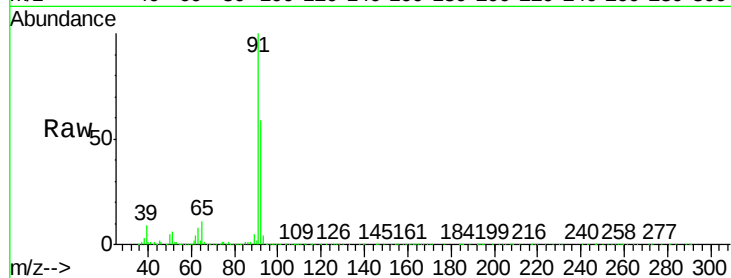
VSTD00599

Tgt Ion: 91 Resp: 974320

Ion Ratio Lower Upper

91 100

92 59.3 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.871 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025527.D

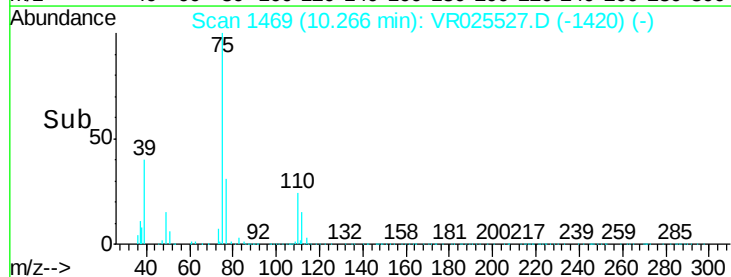
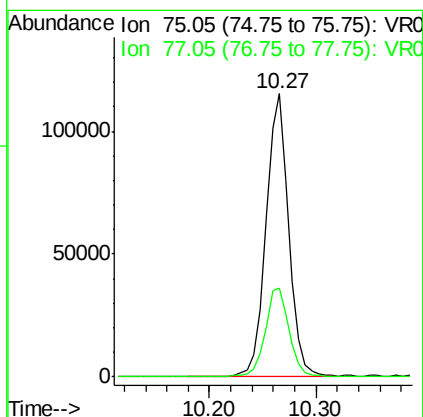
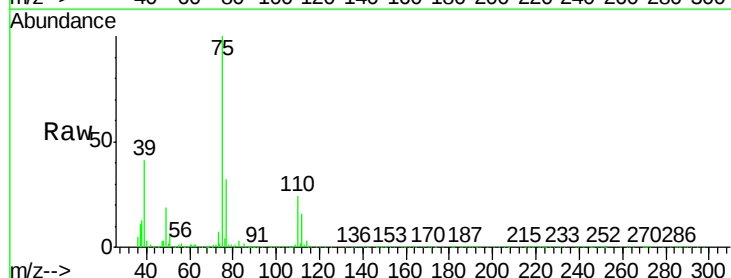
Acq: 19 Jul 2018 18:21

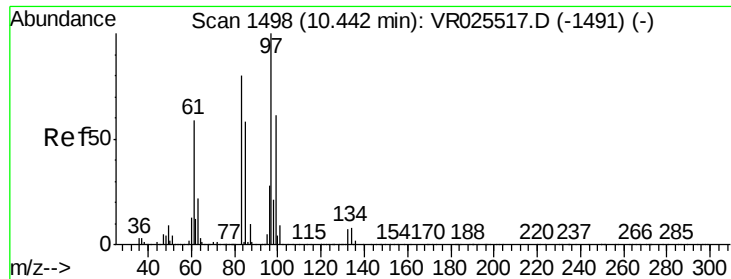
Tgt Ion: 75 Resp: 171970

Ion Ratio Lower Upper

75 100

77 31.5 20.6 38.4

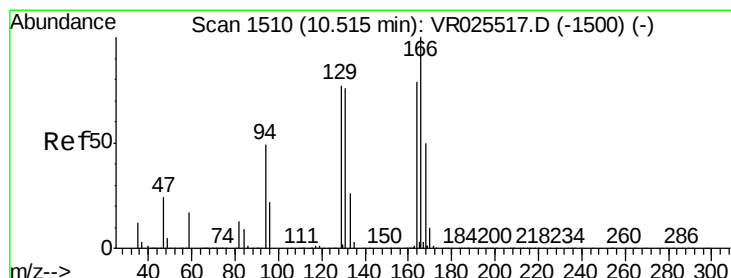
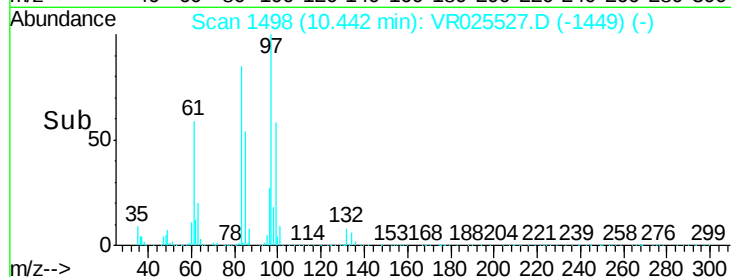
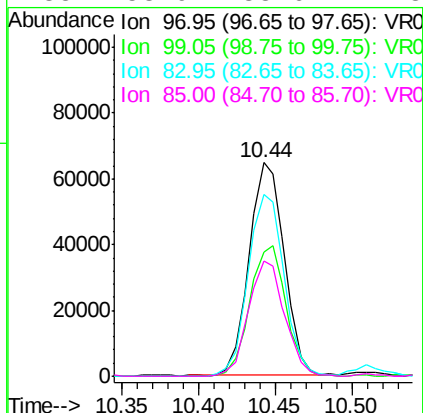
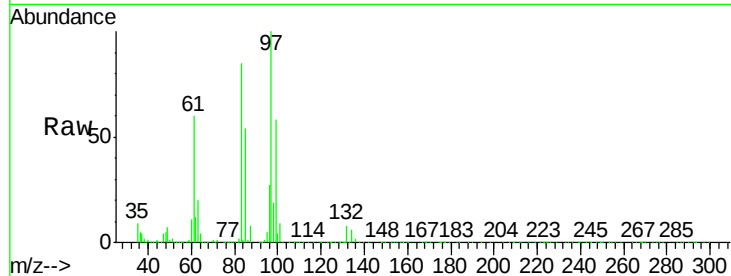




#45
 1,1,2-Trichloroethane
 Concen: 4.912 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

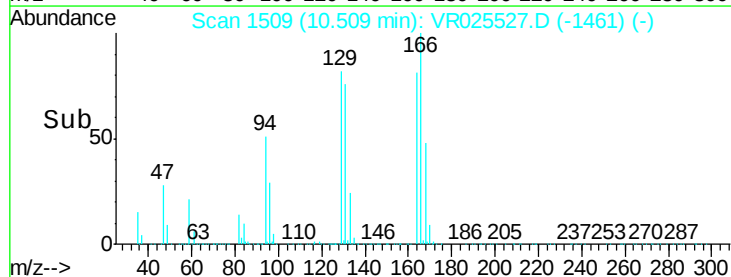
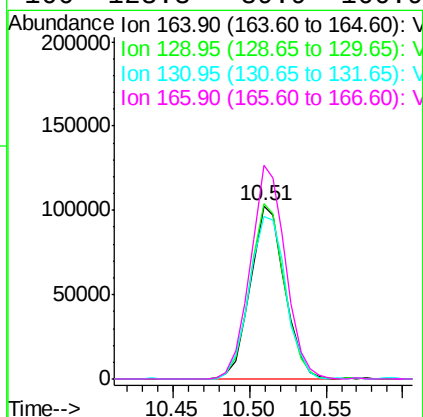
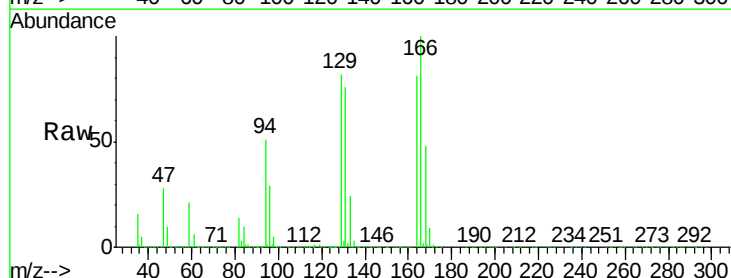
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

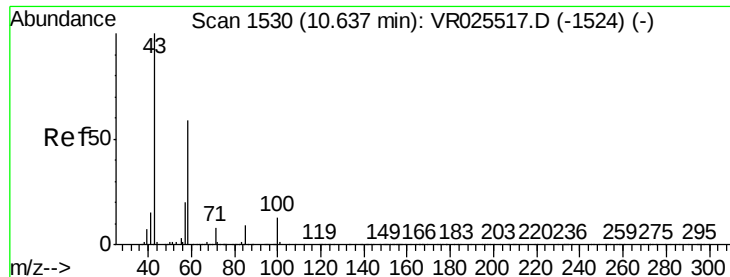
Tgt Ion:	97	Resp:	102908
Ion	Ratio	Lower	Upper
97	100		
99	58.2	41.9	77.9
83	84.9	64.5	119.9
85	53.9	38.6	71.8



#47
 Tetrachloroethene
 Concen: 5.213 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Tgt Ion:	164	Resp:	159400
Ion	Ratio	Lower	Upper
164	100		
129	101.3	68.1	126.5
131	93.7	68.5	127.1
166	123.3	89.9	166.9

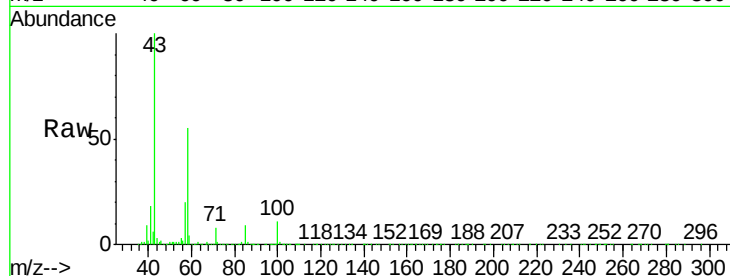




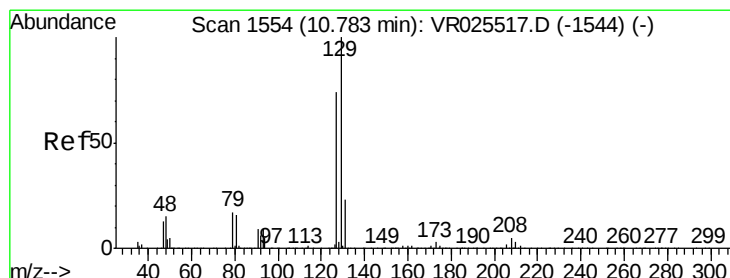
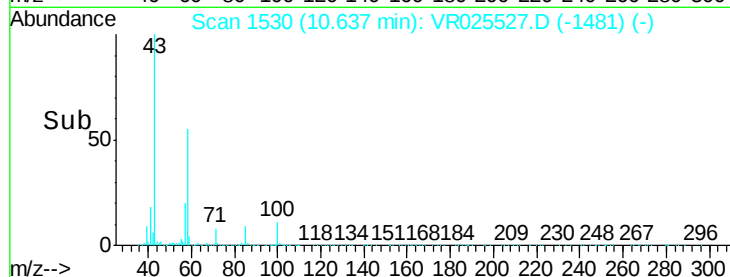
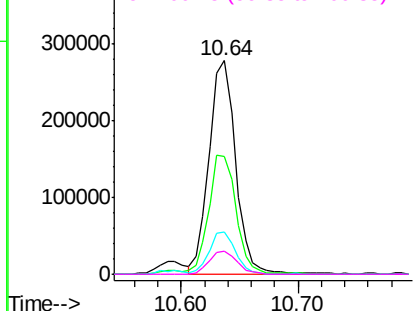
#48
2-Hexanone
Concen: 51.291 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

Tgt Ion: 43 Resp: 437162
Ion Ratio Lower Upper
43 100
58 57.5 43.1 64.7
57 19.0 15.3 22.9
100 11.1 7.9 11.9

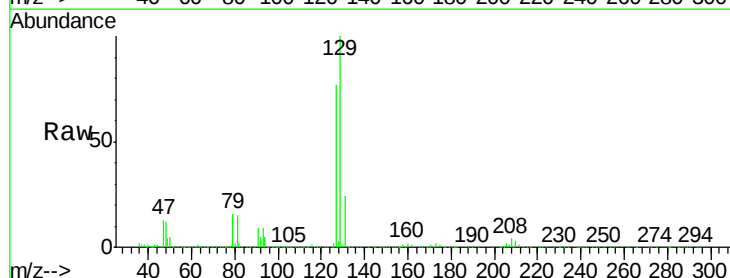


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

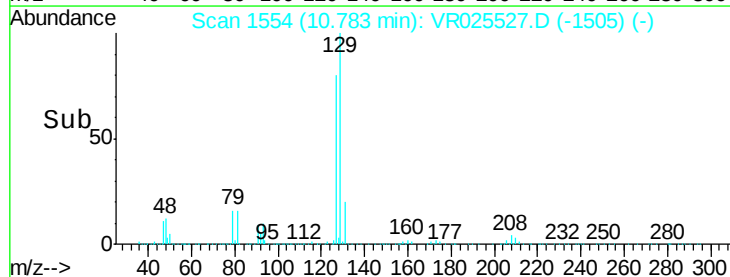
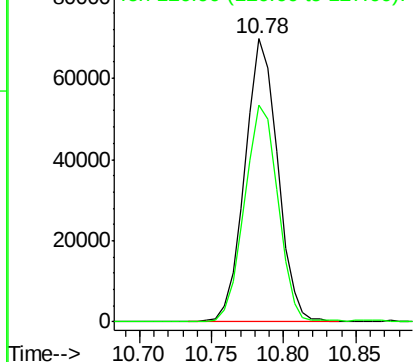


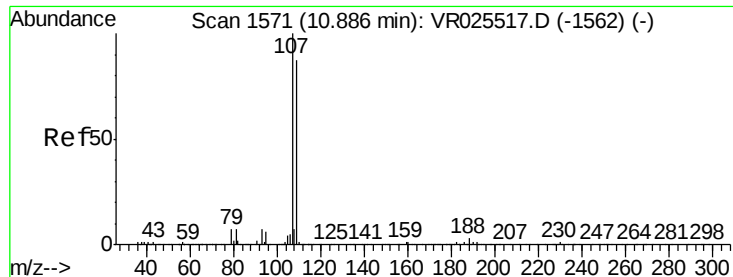
#49
Dibromochloromethane
Concen: 5.019 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Tgt Ion: 129 Resp: 109623
Ion Ratio Lower Upper
129 100
127 76.5 55.9 103.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

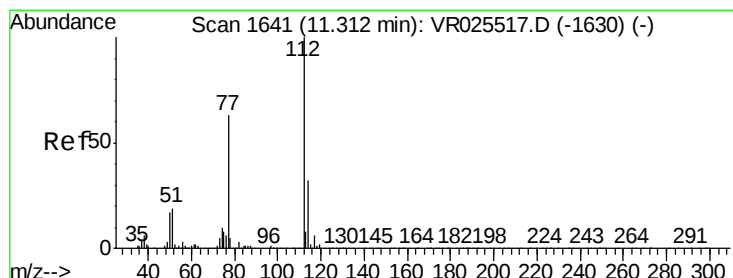
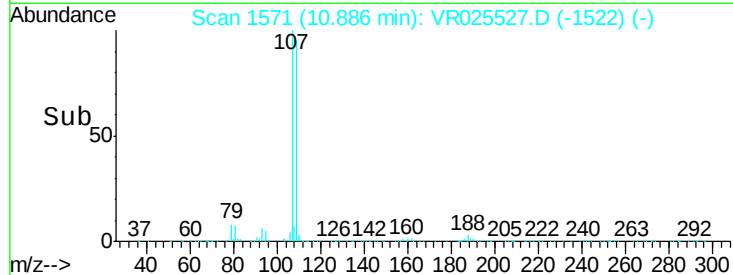
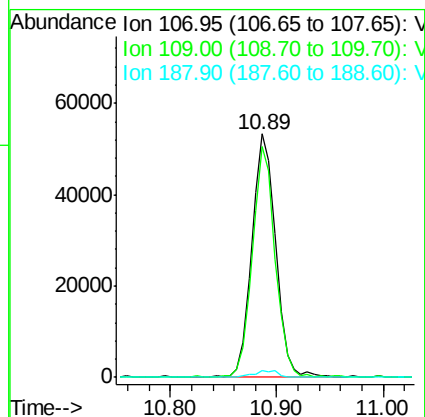
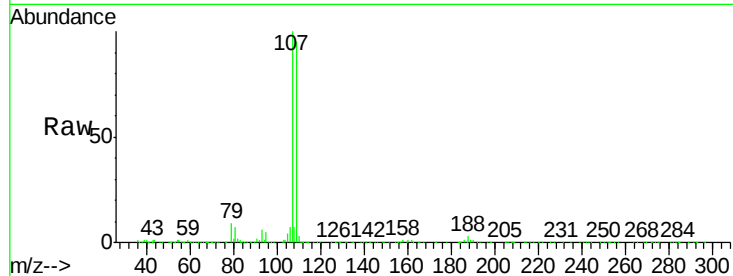




#50
1,2-Dibromoethane
Concen: 4.924 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

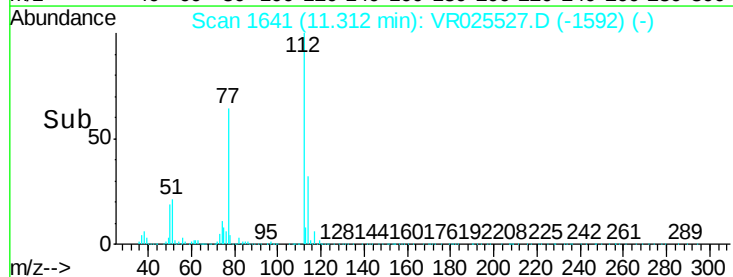
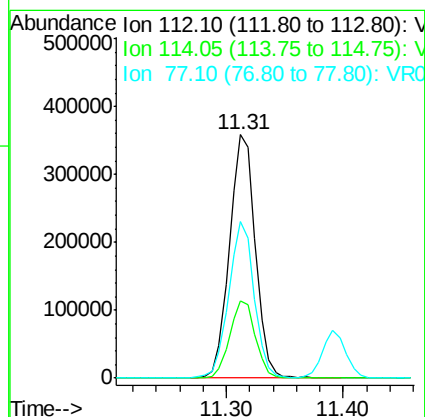
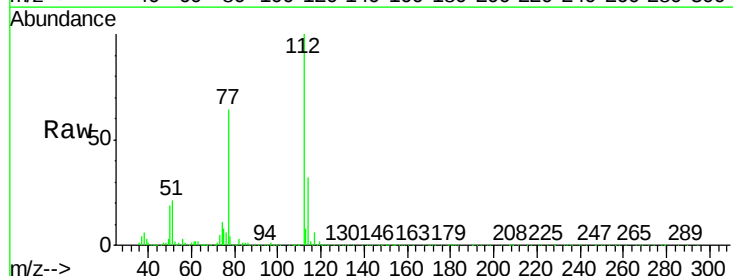
Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

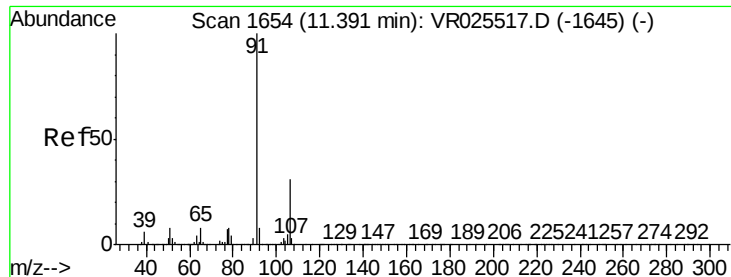
Tgt Ion:107 Resp: 83560
Ion Ratio Lower Upper
107 100
109 95.0 63.1 117.3
188 3.0 1.8 2.8#



#51
Chlorobenzene
Concen: 5.061 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Tgt Ion:112 Resp: 551149
Ion Ratio Lower Upper
112 100
114 32.0 21.6 40.0
77 64.1 51.9 77.9





#52

Ethylbenzene

Concen: 5.601 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

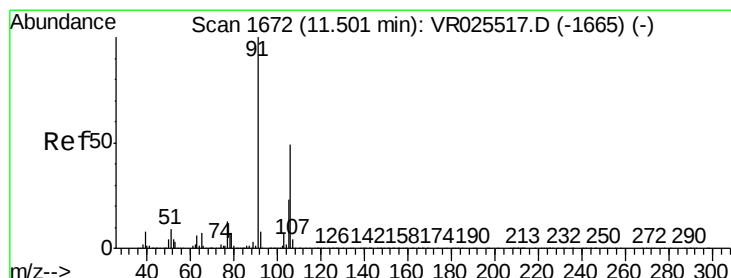
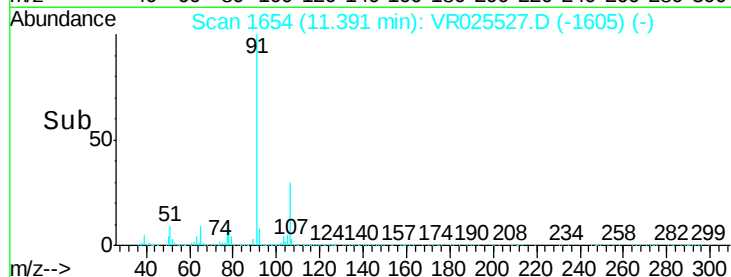
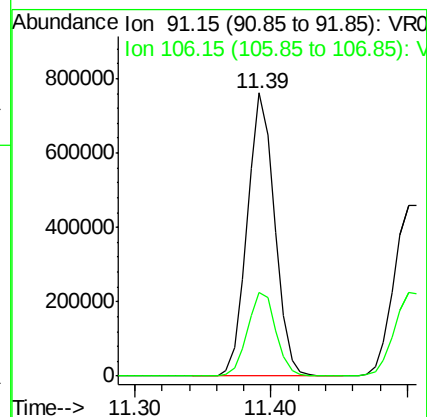
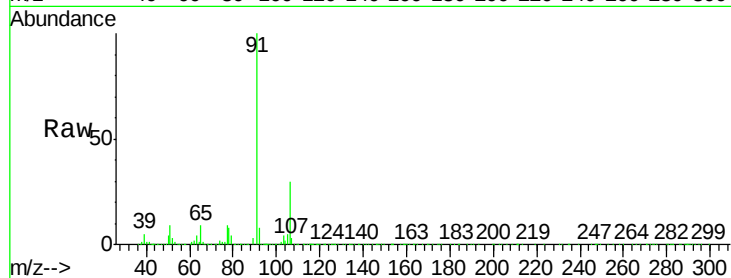
VSTD00599

Tgt Ion: 91 Resp: 1074300

Ion Ratio Lower Upper

91 100

106 29.7 22.5 41.7



#53

m,p-Xylene

Concen: 5.527 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025527.D

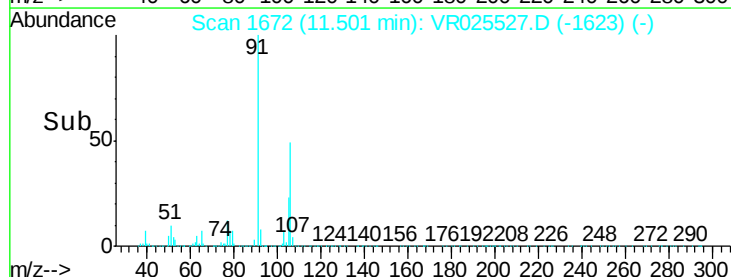
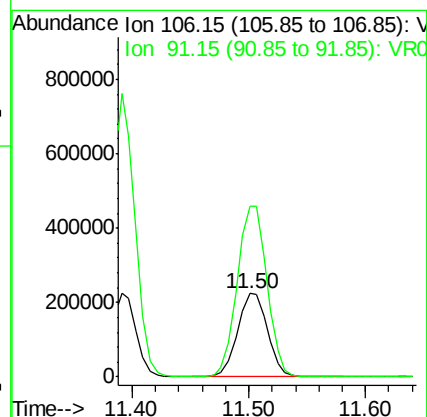
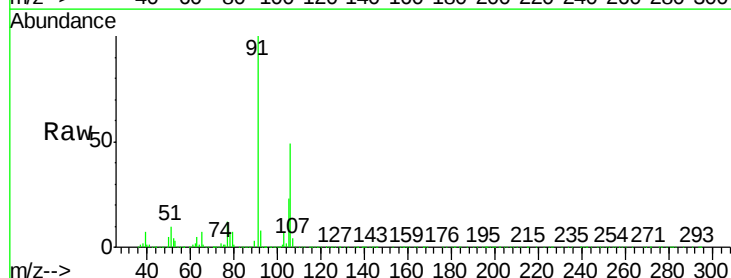
Acq: 19 Jul 2018 18:21

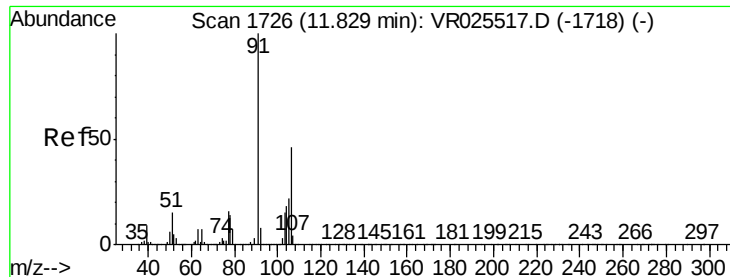
Tgt Ion: 106 Resp: 397797

Ion Ratio Lower Upper

106 100

91 206.0 152.6 283.4

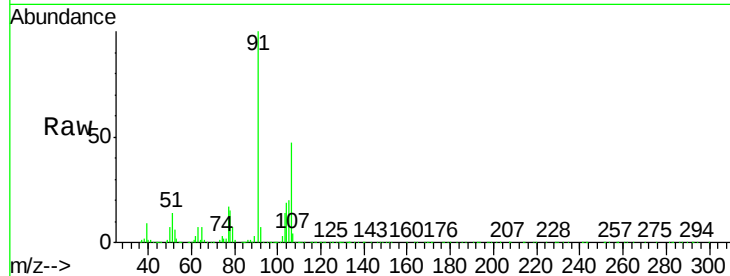




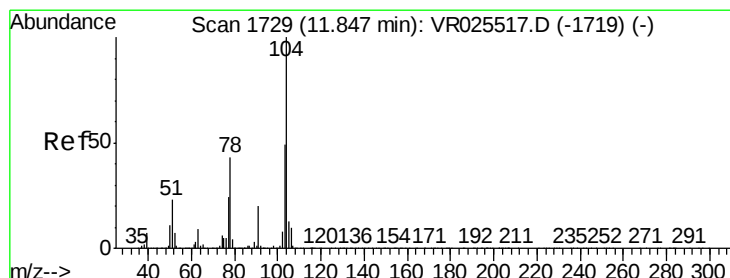
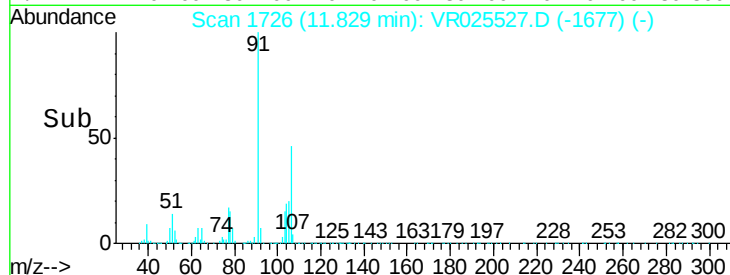
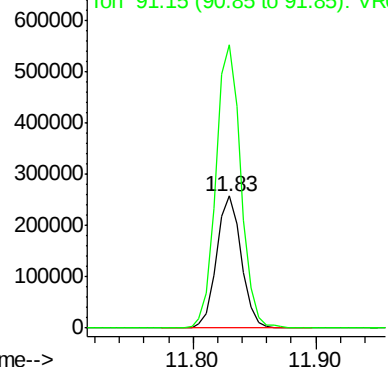
#54
o-Xylene
Concen: 5.844 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

Tgt Ion:106 Resp: 362312
Ion Ratio Lower Upper
106 100
91 214.4 153.7 285.5

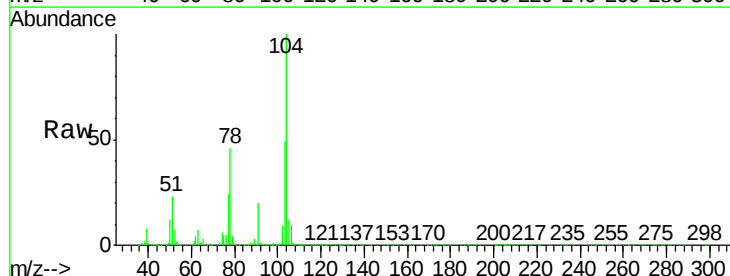


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VR0

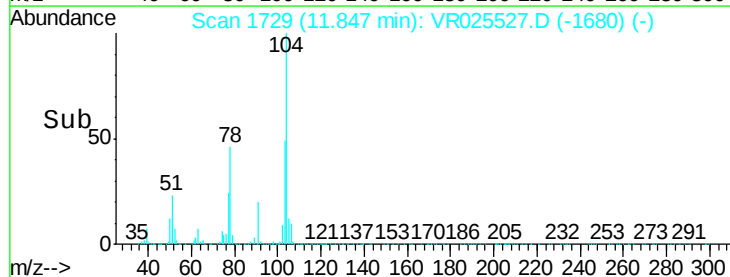
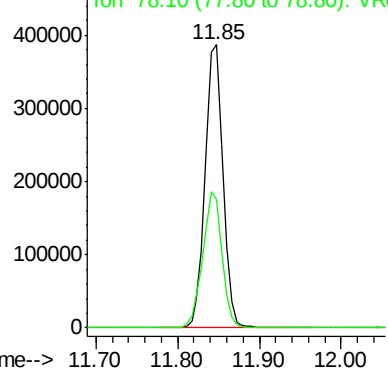


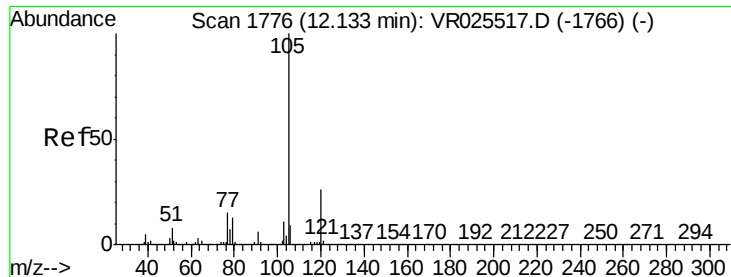
#55
Styrene
Concen: 5.690 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025527.D
Acq: 19 Jul 2018 18:21

Tgt Ion:104 Resp: 580360
Ion Ratio Lower Upper
104 100
78 45.6 35.4 65.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 5.975 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

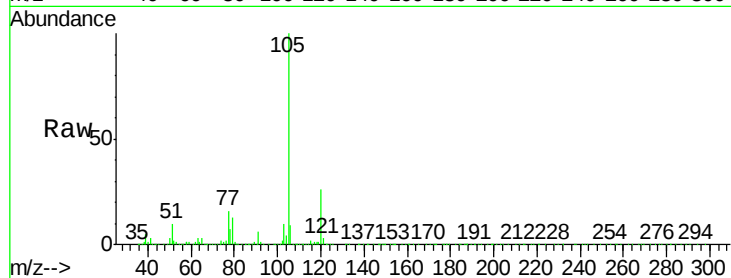
Tgt Ion: 105 Resp: 980804

Ion Ratio Lower Upper

105 100

120 26.5 20.2 30.4

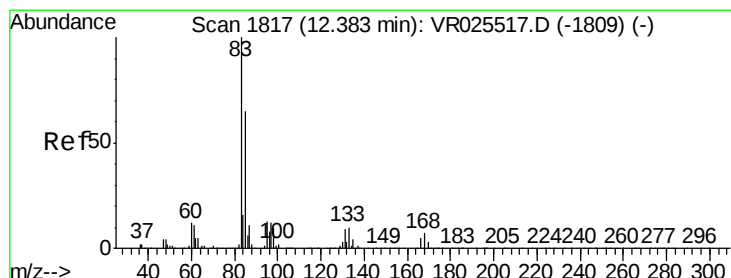
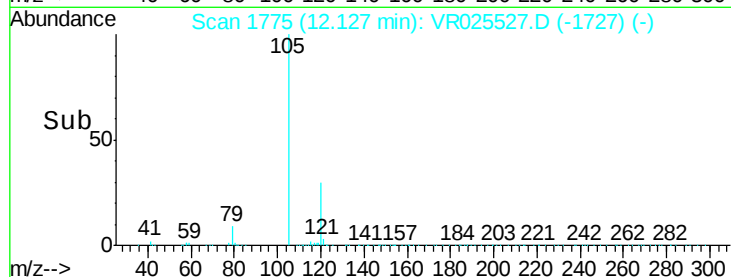
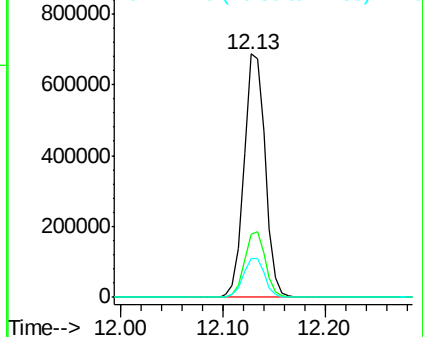
77 16.1 13.0 19.6



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: 4.995 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

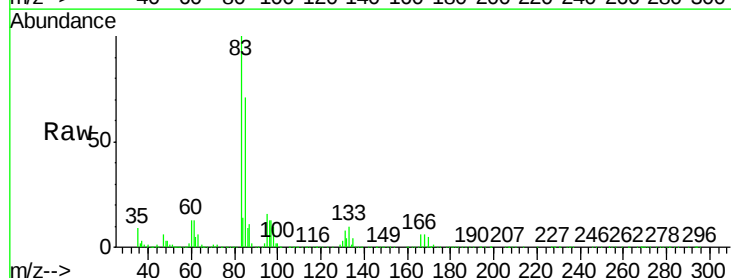
Tgt Ion: 83 Resp: 103064

Ion Ratio Lower Upper

83 100

85 71.1 41.8 77.6

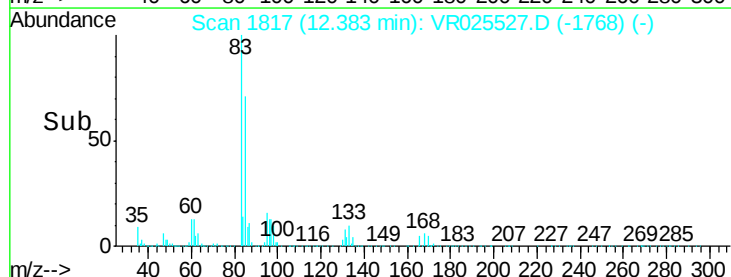
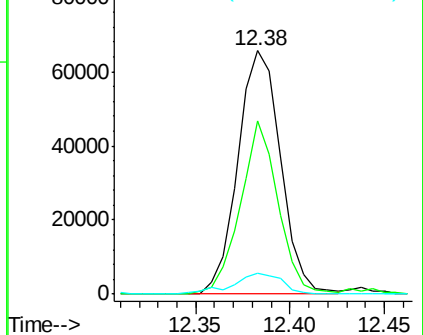
131 8.4 6.1 9.1

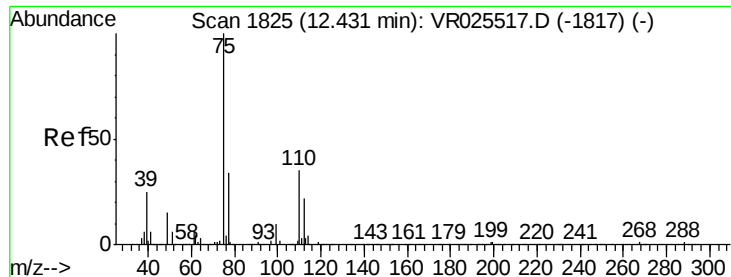


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

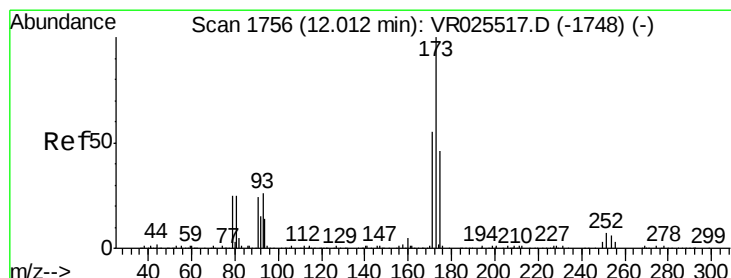
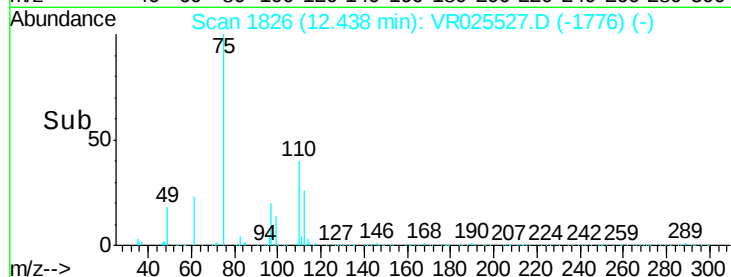
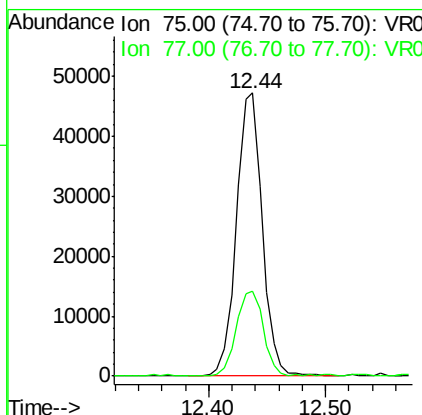
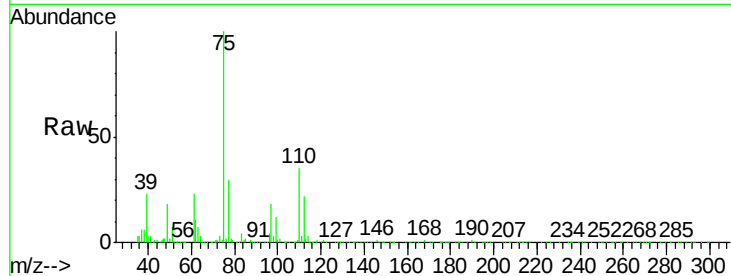




#59
 1,2,3-Trichloropropane
 Concen: 4.908 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

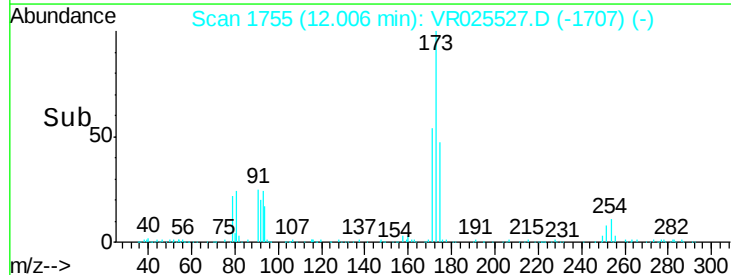
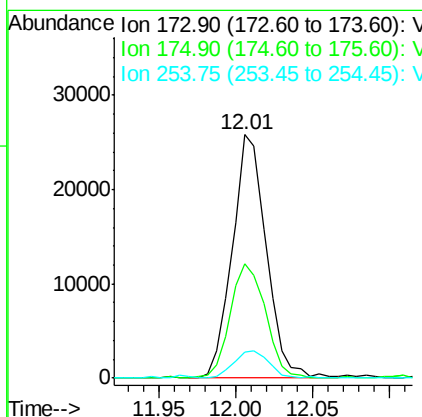
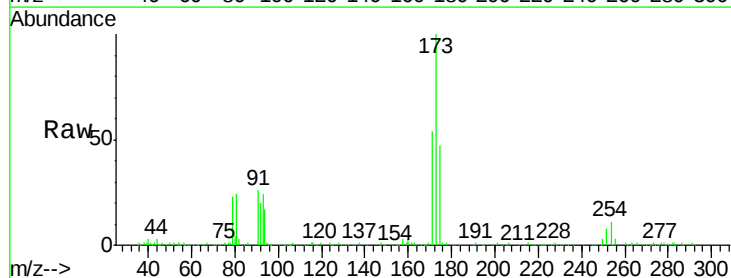
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00599

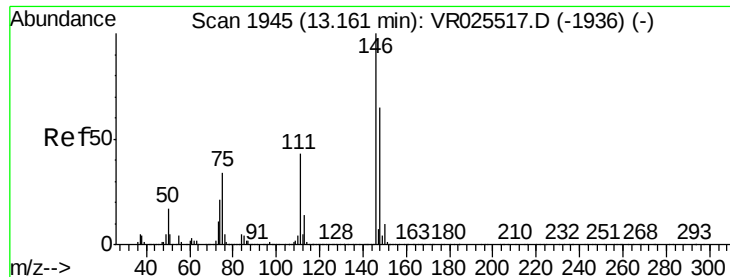
Tgt Ion: 75 Resp: 72897
 Ion Ratio Lower Upper
 75 100
 77 31.4 27.0 40.4



#61
 Bromoform
 Concen: 4.506 ug/L
 RT: 12.01 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Tgt Ion: 173 Resp: 39817
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.5 56.3
 254 11.6 8.7 13.1

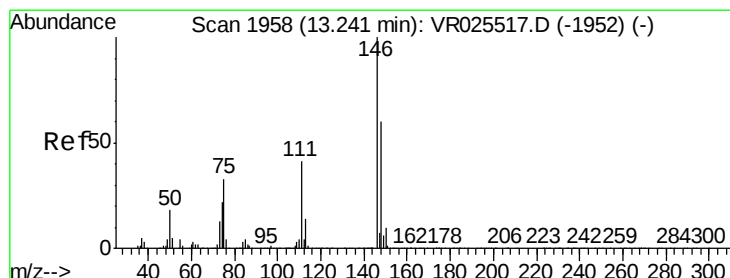
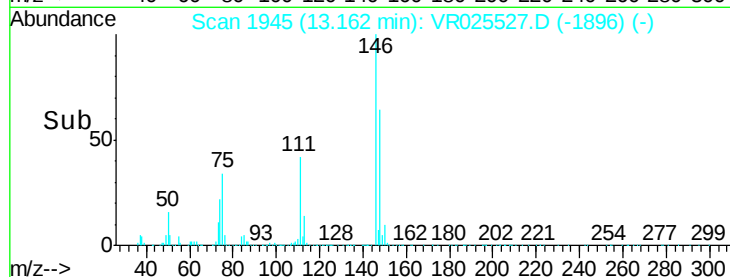
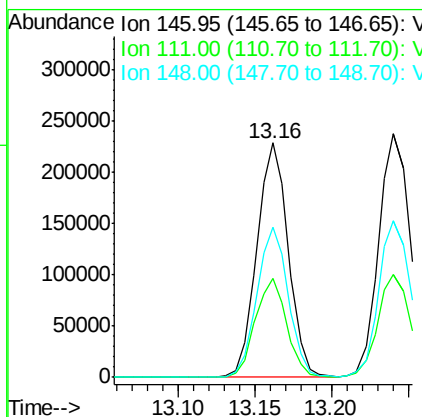
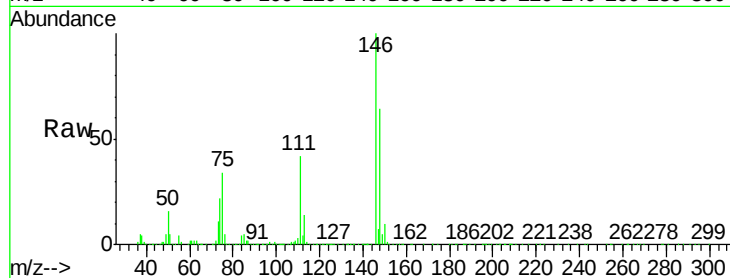




#62
 1,3-Dichlorobenzene
 Concen: 5.151 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

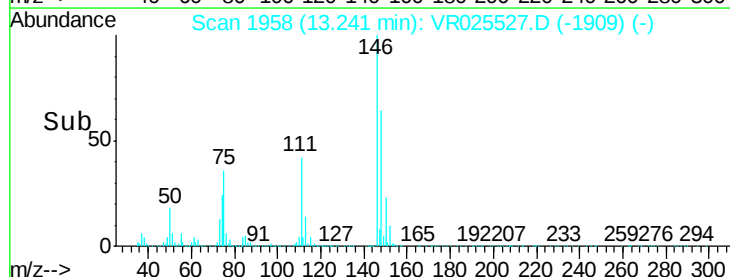
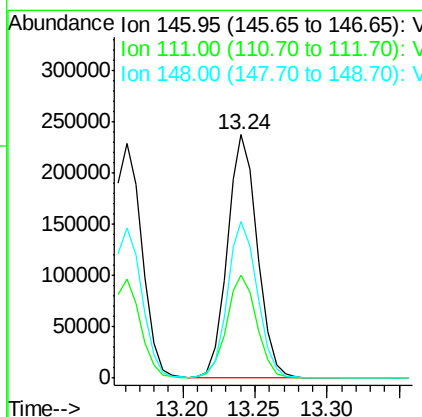
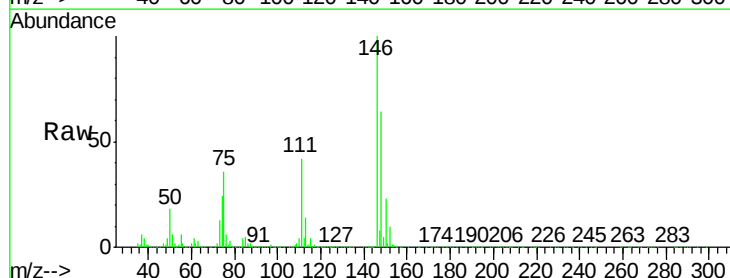
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00599

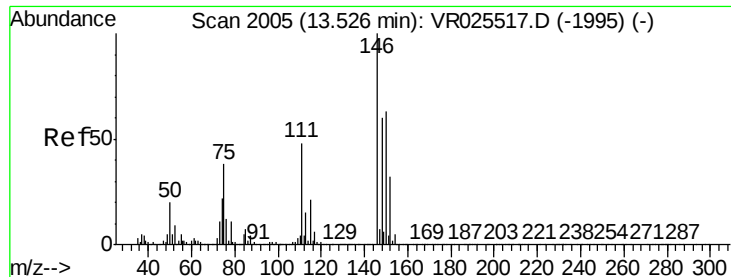
Tgt Ion:146 Resp: 327479
 Ion Ratio Lower Upper
 146 100
 111 42.4 31.0 57.6
 148 64.3 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 4.891 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Tgt Ion:146 Resp: 345167
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.5 56.7
 148 64.1 42.8 79.4





#65

1,2-Dichlorobenzene

Concen: 5.091 ug/L

RT: 13.53 min Scan# 2005

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

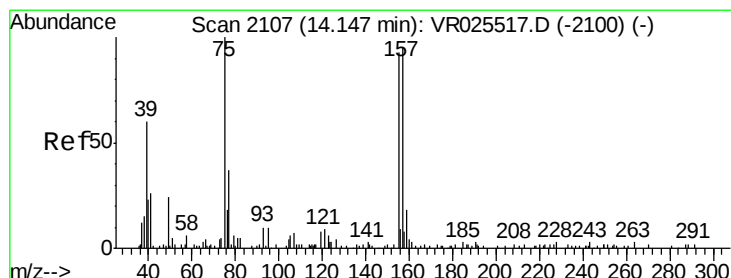
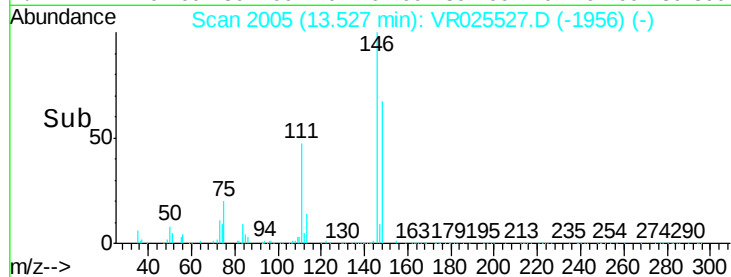
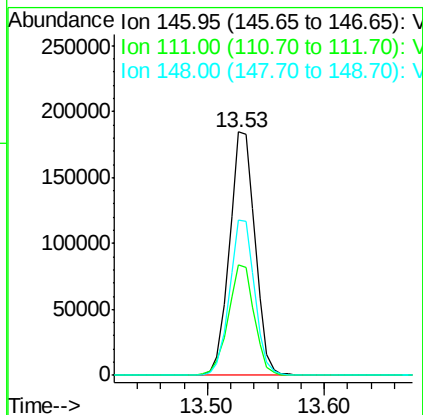
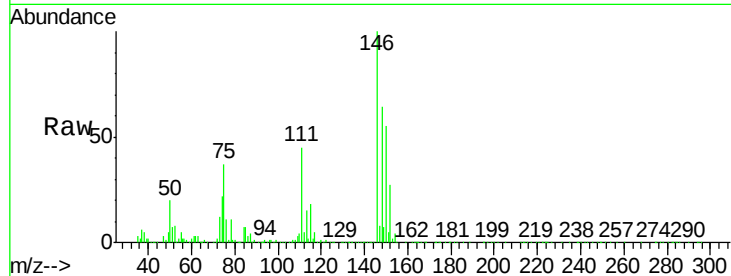
Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

Tgt Ion:	146	Resp:	281255
Ion	Ratio	Lower	Upper
146	100		
111	45.4	35.8	53.8
148	64.0	50.4	75.6



#66

1,2-Dibromo-3-chloropropane

Concen: 4.351 ug/L

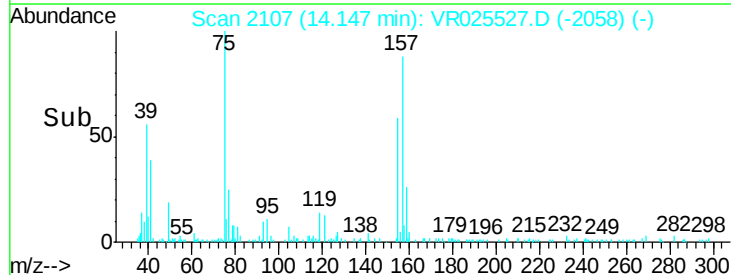
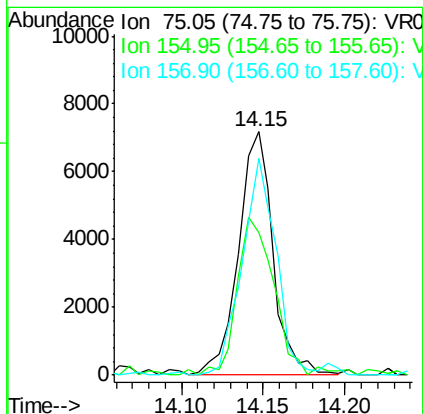
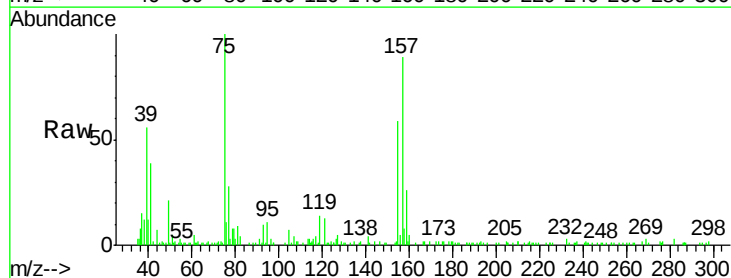
RT: 14.15 min Scan# 2107

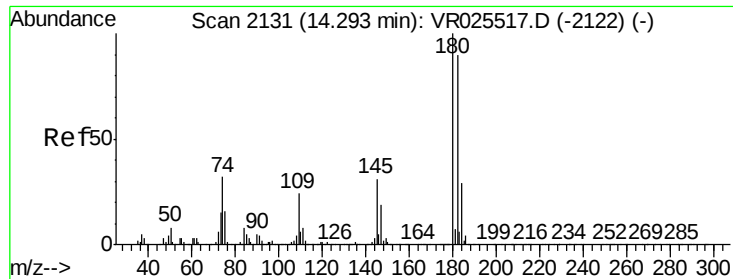
Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Tgt Ion:	75	Resp:	10633
Ion	Ratio	Lower	Upper
75	100		
155	58.6	74.1	111.1#
157	88.9	71.0	106.6

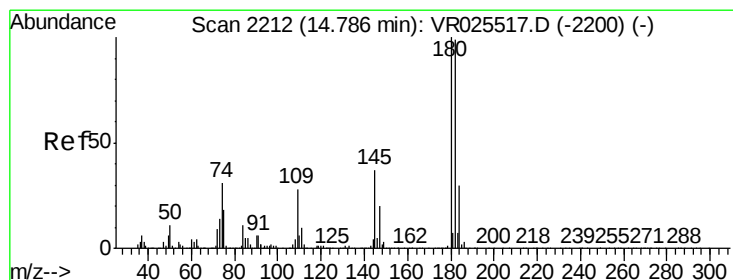
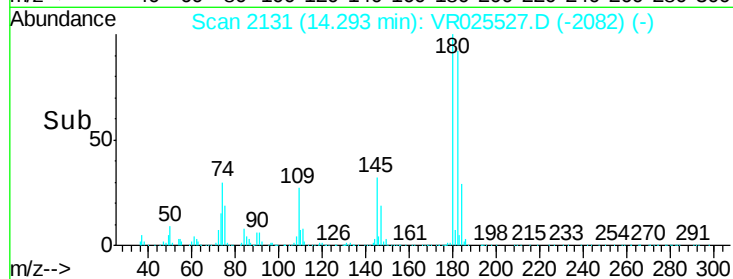
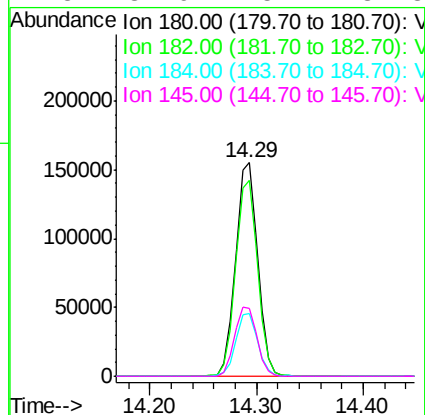
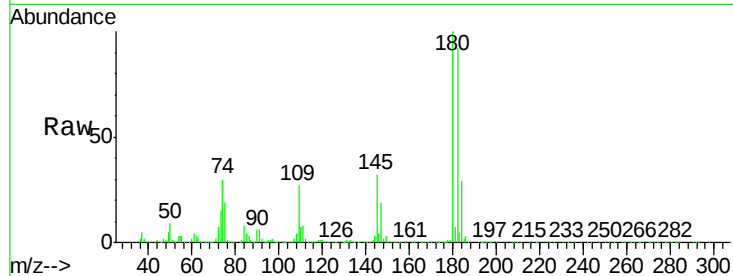




#67
 1,3,5-Trichlorobenzene
 Concen: 5.424 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

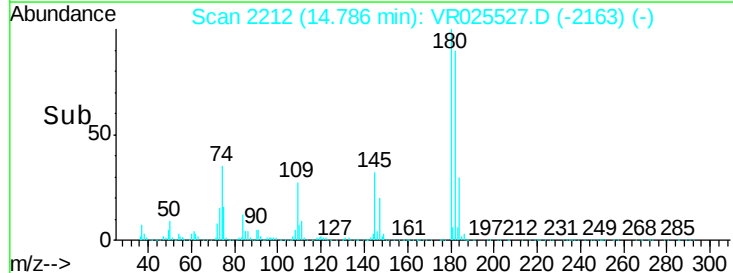
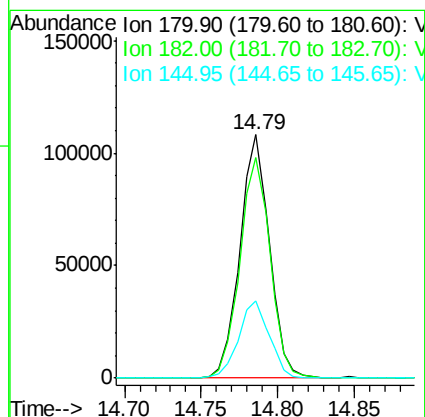
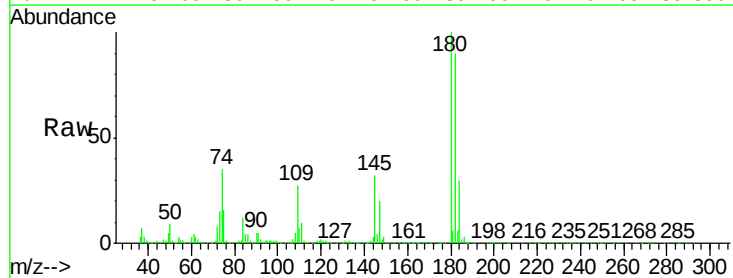
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

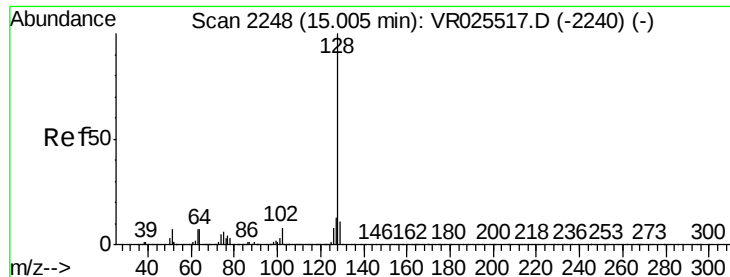
Tgt Ion:	180	Resp:	225202
Ion Ratio	Lower	Upper	
180	100		
182	92.1	76.0	114.0
184	29.5	24.5	36.7
145	32.9	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.062 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025527.D
 Acq: 19 Jul 2018 18:21

Tgt Ion:	180	Resp:	144485
Ion Ratio	Lower	Upper	
180	100		
182	93.3	75.0	112.4
145	33.0	27.3	40.9





#69

Naphthalene

Concen: 5.047 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

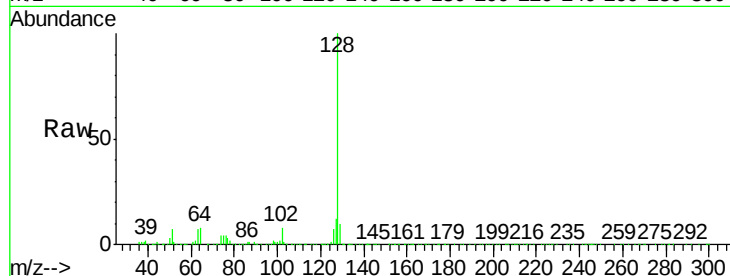
Tgt Ion:128 Resp: 184473

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

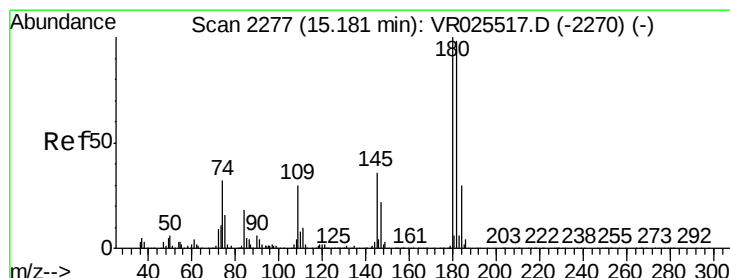
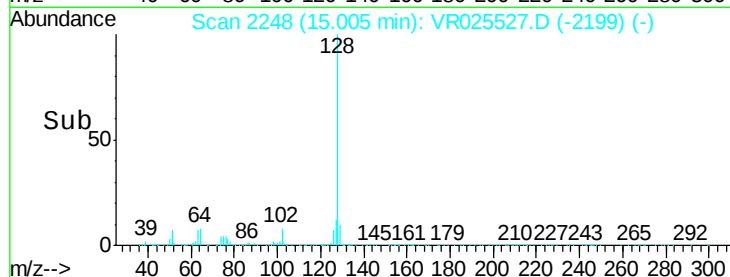
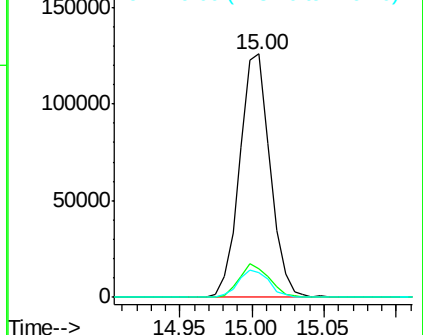
129 11.4 8.6 13.0



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: 5.412 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025527.D

Acq: 19 Jul 2018 18:21

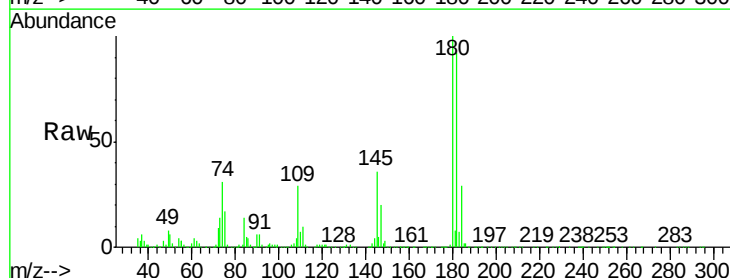
Tgt Ion:180 Resp: 119132

Ion Ratio Lower Upper

180 100

182 97.9 75.2 112.8

145 35.1 28.2 42.2



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

