

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071318\
 Data File : VR025462.D
 Acq On : 13 Jul 2018 13:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Quant Time: Jul 13 23:42:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 00:37:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	899849	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	693403	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	265687	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	138346	5.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.60%
7) Chloroethane-d5	2.62	69	106049	5.02	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	3.63	63	355532	4.73	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	6.59	46	391194	50.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.54%
24) Chloroform-d	7.20	84	561158	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	7.90	65	212405	4.52	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	7.86	84	1150407	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	8.90	67	316460	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	9.97	98	997771	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	10.24	79	91880	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	10.59	63	293491	50.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	128694	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	219410	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	246877	4.856	ug/L 99
3) Chloromethane	2.00	50	177811	5.900	ug/L 99
5) Vinyl chloride	2.16	62	161676	5.971	ug/L 96
6) Bromomethane	2.52	94	80669	5.063	ug/L 93
8) Chloroethane	2.65	64	92676	5.497	ug/L 95
9) Trichlorofluoromethane	2.93	101	88420	1.999	ug/L # 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	140034	5.199	ug/L 99
12) 1,1-Dichloroethene	3.65	96	142739	5.306	ug/L 87
13) Acetone	3.70	43	154644	44.547	ug/L 97
14) Carbon disulfide	3.95	76	377728	6.170	ug/L 100
15) Methyl Acetate	4.19	43	33735	4.343	ug/L 93
16) Methylene chloride	4.40	84	122422	4.645	ug/L 93
17) Methyl tert-butyl Ether	4.89	73	384176	4.382	ug/L 99
18) trans-1,2-Dichloroethene	4.89	96	299100	4.469	ug/L 94
19) 1,1-Dichloroethane	5.69	63	530594	4.622	ug/L 96
21) 2-Butanone	6.69	43	337422	41.727	ug/L 98
22) cis-1,2-Dichloroethene	6.68	96	291139	4.741	ug/L 97

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 Data File : VR025462.D
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 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Quant Time: Jul 13 23:42:34 2018
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 00:37:37 2018
 Response via : Initial Calibration

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

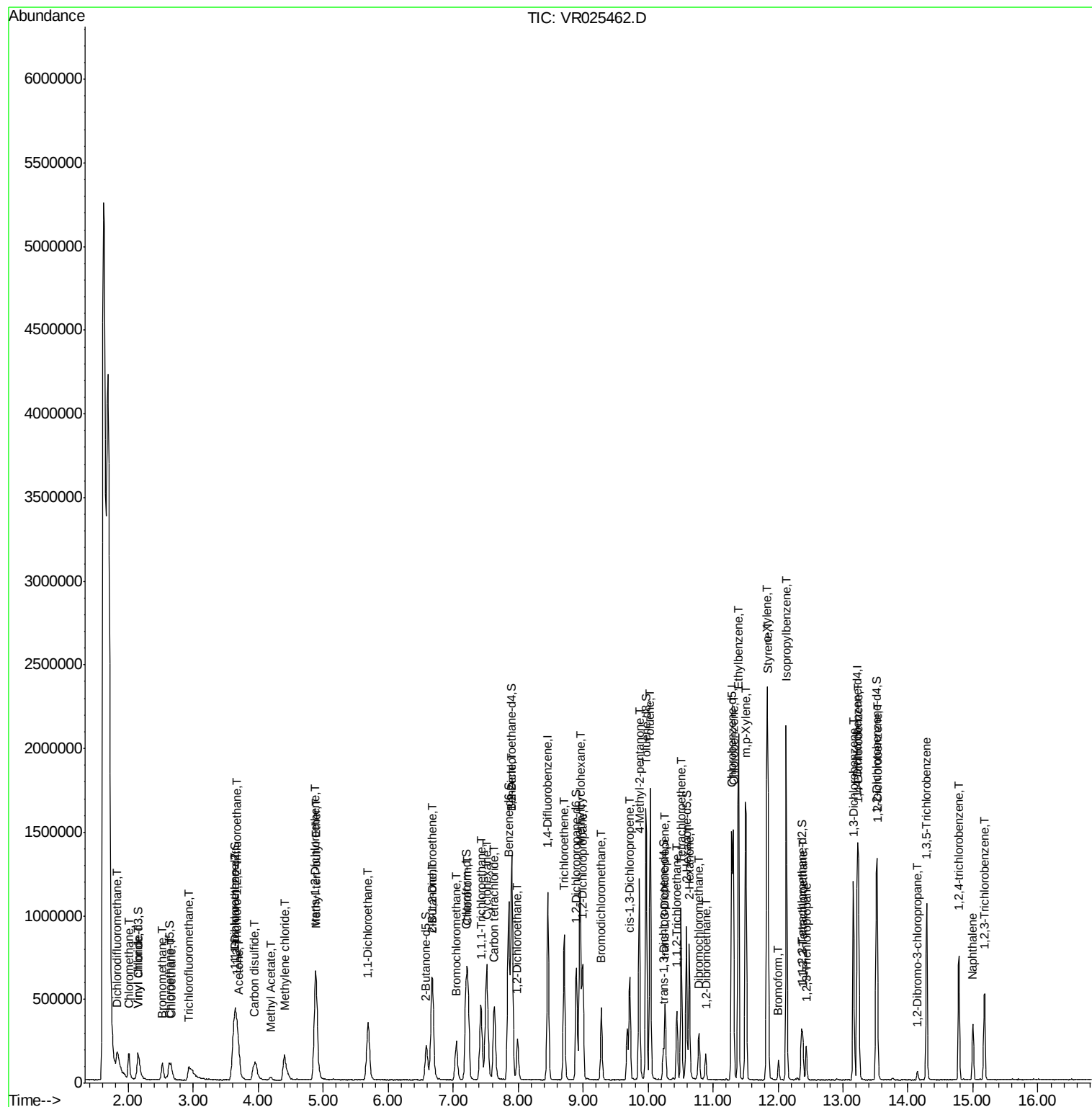
23) Bromochloromethane	7.05	128	81931	4.143	ug/L	96
25) Chloroform	7.23	83	487790	4.423	ug/L	100
27) 1,2-Dichloroethane	7.99	62	215662	4.362	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	394412	5.592	ug/L	98
30) Cyclohexane	7.52	56	471419	6.230	ug/L	98
31) Carbon tetrachloride	7.64	117	351147	5.628	ug/L	98
33) Benzene	7.91	78	1179343	4.934	ug/L	100
34) Trichloroethene	8.71	95	305193	5.016	ug/L	96
35) Methylcyclohexane	8.95	83	474869	5.837	ug/L	99
37) 1,2-Dichloropropane	8.99	63	252804	4.550	ug/L	100
38) Bromodichloromethane	9.28	83	270563	4.778	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	327763	5.247	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	749125	46.529	ug/L	97
42) Toluene	10.03	91	1189672	5.119	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	226533	4.938	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	114482	4.206	ug/L	95
47) Tetrachloroethene	10.51	164	199323	5.017	ug/L	97
48) 2-Hexanone	10.63	43	488448	44.103	ug/L	96
49) Dibromochloromethane	10.78	129	129323	4.557	ug/L	100
50) 1,2-Dibromoethane	10.89	107	97574	4.425	ug/L #	96
51) Chlorobenzene	11.31	112	659278	4.659	ug/L	100
52) Ethylbenzene	11.39	91	1336452	5.362	ug/L	98
53) m,p-Xylene	11.50	106	493162	5.273	ug/L	97
54) o-Xylene	11.83	106	446380	5.541	ug/L	98
55) Styrene	11.85	104	690178	5.207	ug/L	93
56) Isopropylbenzene	12.13	105	1233853	5.784	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	110932	4.137	ug/L #	89
59) 1,2,3-Trichloropropane	12.43	75	79838	4.136	ug/L	98
61) Bromoform	12.01	173	47645	4.403	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	405816	5.213	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	401765	4.649	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	319677	4.726	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	12547	4.193	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.29	180	281919	5.545	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	183435	5.249	ug/L	97
69) Naphthalene	15.00	128	235326	5.258	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	145110	5.383	ug/L	98

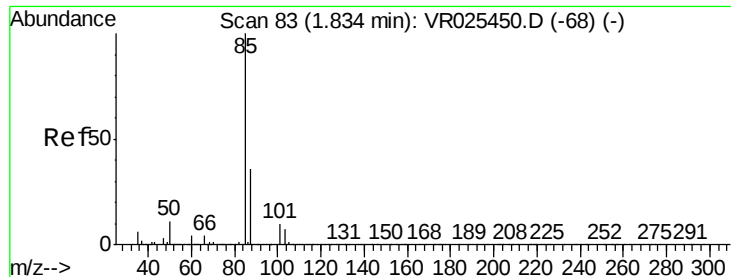
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VR025462.D
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

Quant Time: Jul 13 23:42:34 2018
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#2

Dichlorodifluoromethane

Concen: 4.856 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

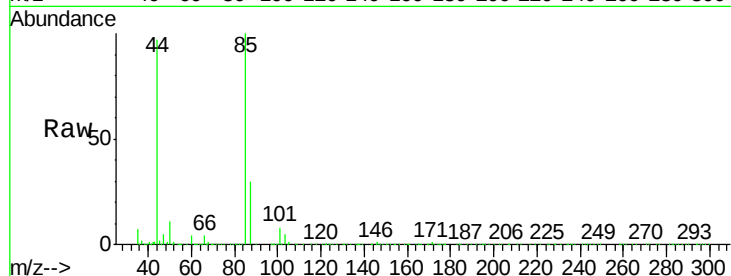
VSTD00590

Tgt Ion: 85 Resp: 246877

Ion Ratio Lower Upper

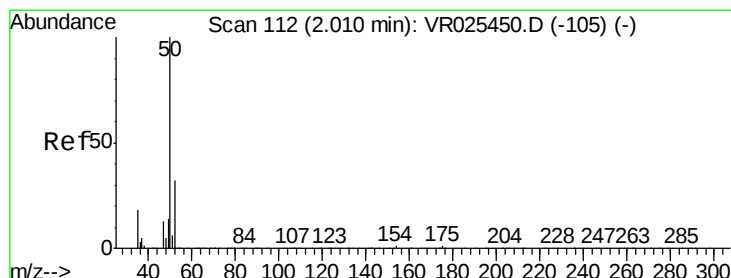
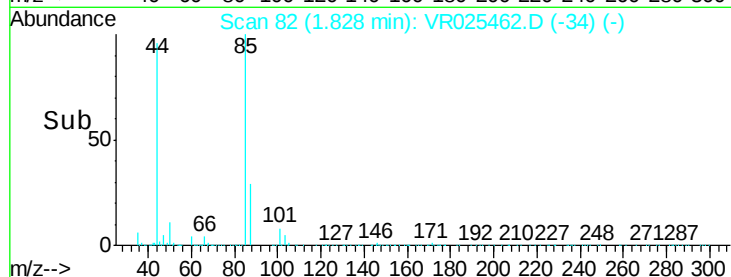
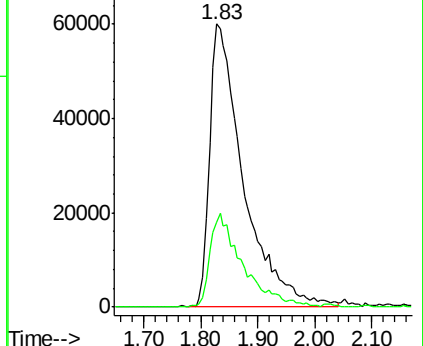
85 100

87 32.3 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: 5.900 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025462.D

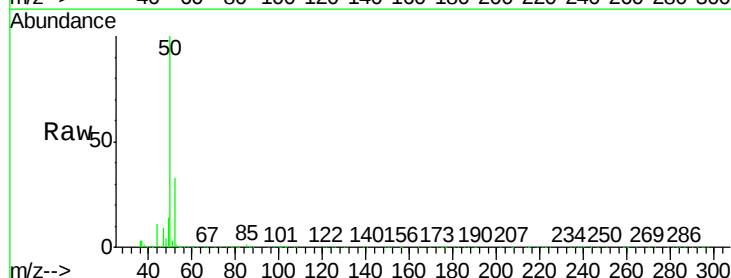
Acq: 13 Jul 2018 13:42

Tgt Ion: 50 Resp: 177811

Ion Ratio Lower Upper

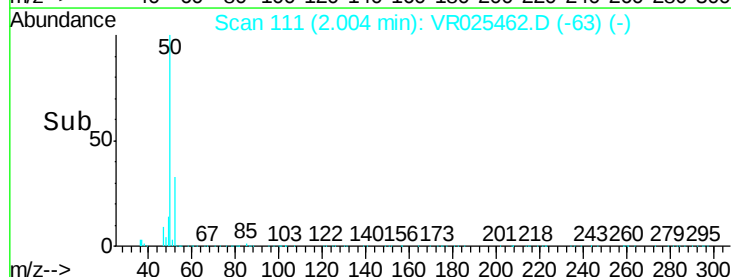
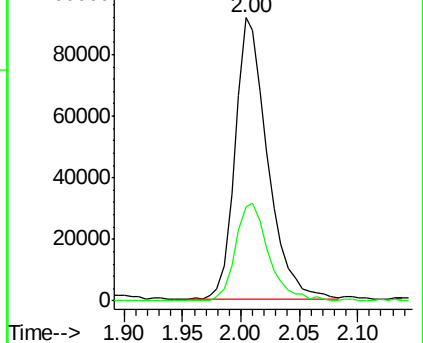
50 100

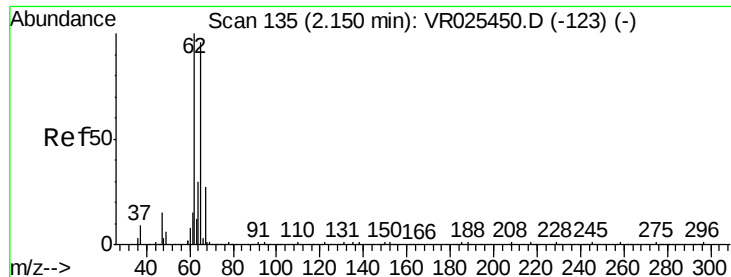
52 33.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.971 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampled :

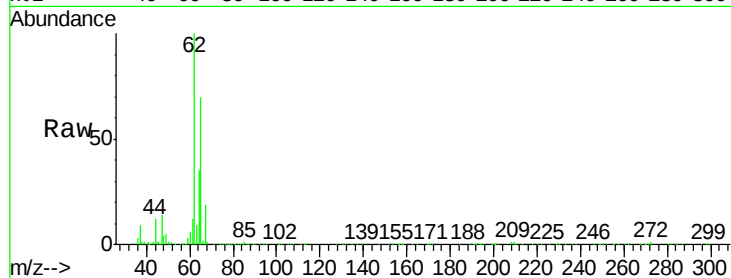
VSTD00590

Tgt Ion: 62 Resp: 161676

Ion Ratio Lower Upper

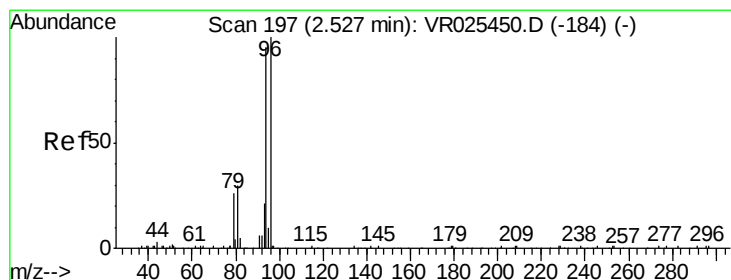
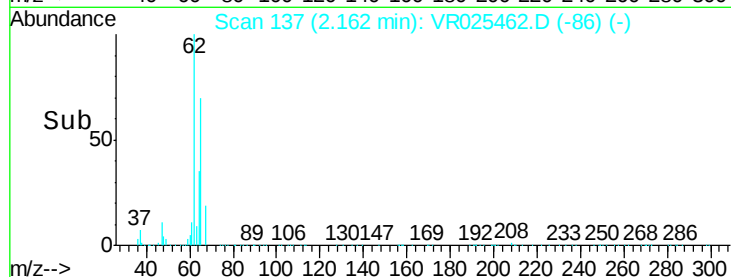
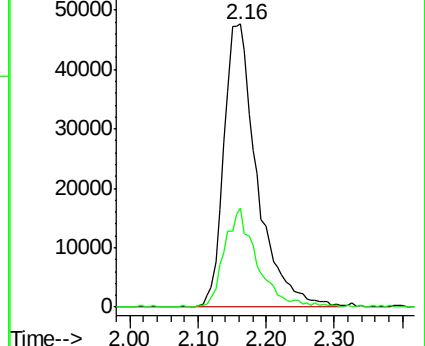
62 100

64 35.1 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: 5.063 ug/L

RT: 2.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VR025462.D

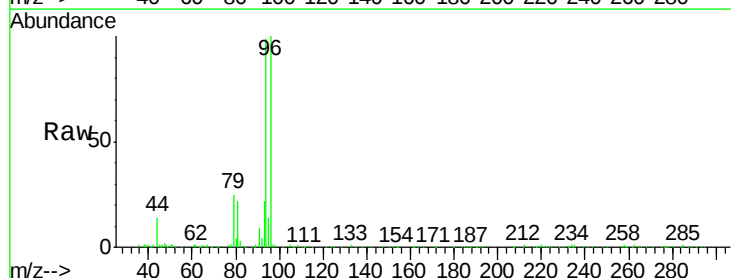
Acq: 13 Jul 2018 13:42

Tgt Ion: 94 Resp: 80669

Ion Ratio Lower Upper

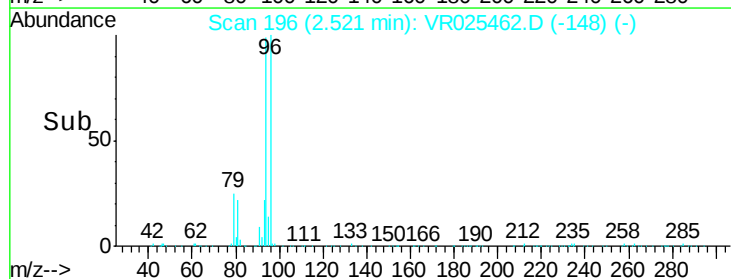
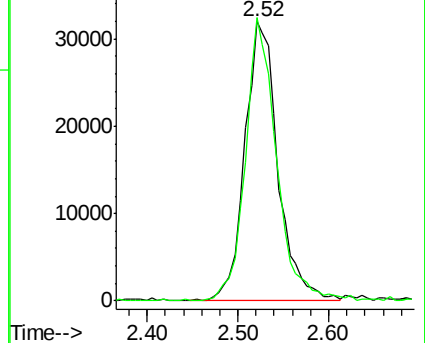
94 100

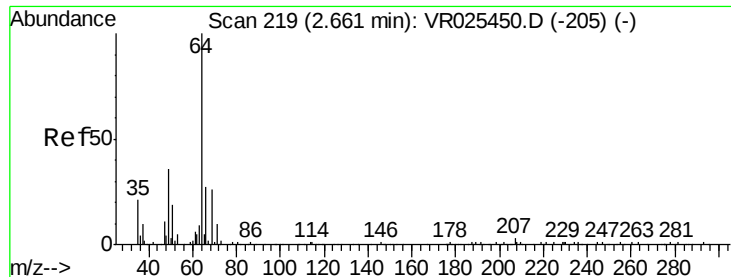
96 101.3 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 5.497 ug/L

RT: 2.65 min Scan# 218

Delta R.T. -0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

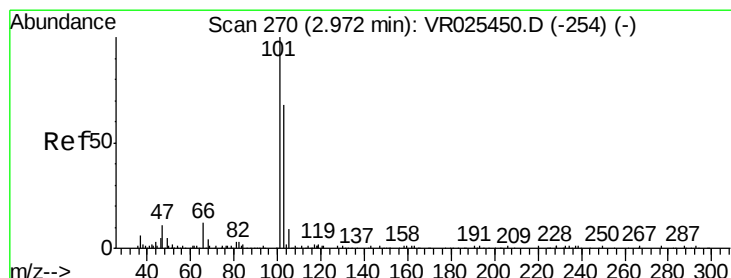
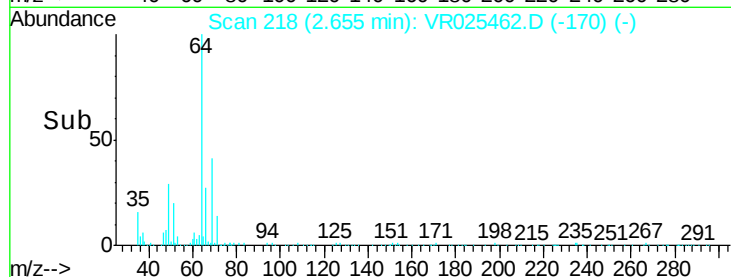
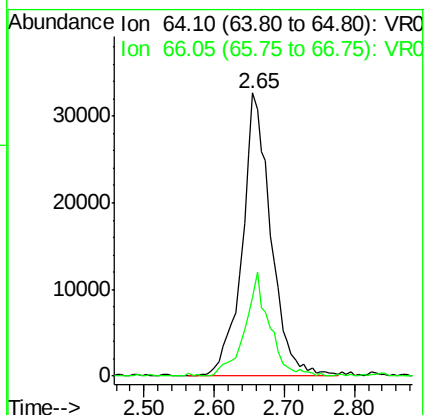
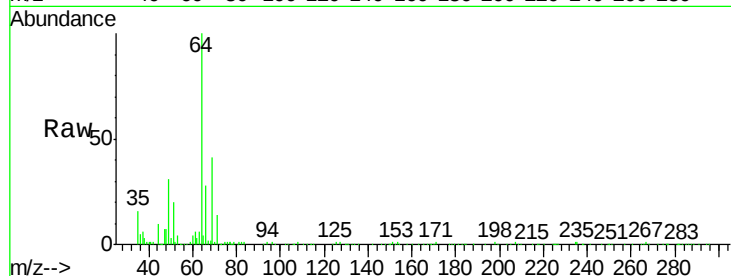
VSTD00590

Tgt Ion: 64 Resp: 92676

Ion Ratio Lower Upper

64 100

66 27.6 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.999 ug/L

RT: 2.93 min Scan# 264

Delta R.T. -0.04 min

Lab File: VR025462.D

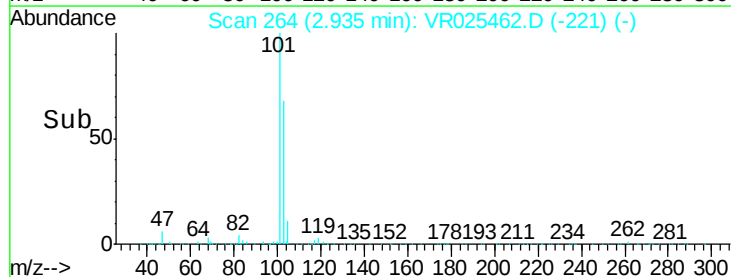
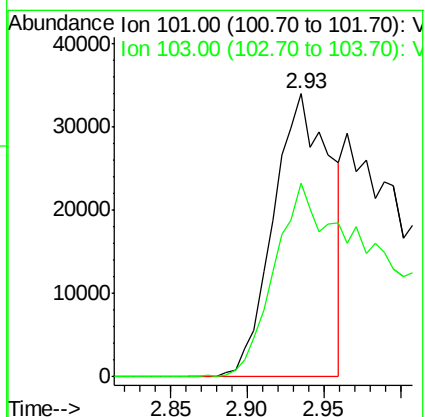
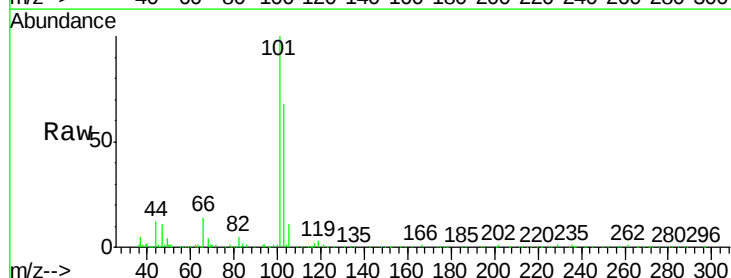
Acq: 13 Jul 2018 13:42

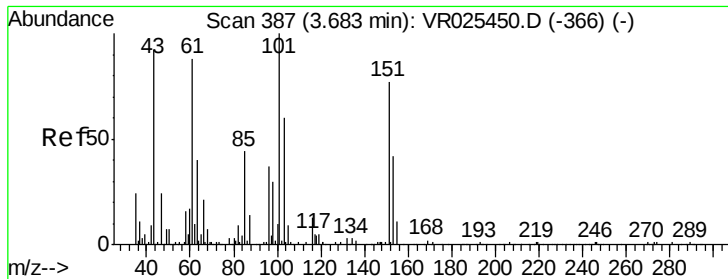
Tgt Ion: 101 Resp: 88420

Ion Ratio Lower Upper

101 100

103 144.3 11.0 16.4#





#10

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

Concen: 5.199 ug/L

RT: 3.68 min Scan# 386

Delta R.T. -0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

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VSTD00590

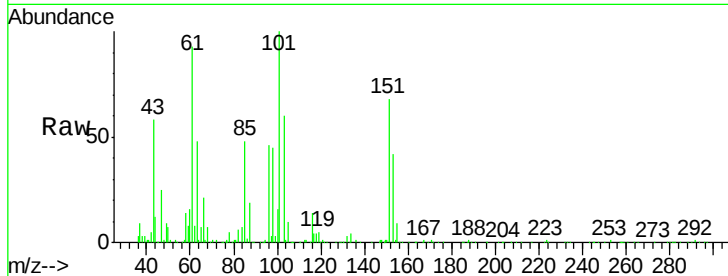
Tgt Ion: 101 Resp: 140034

Ion Ratio Lower Upper

101 100

85 48.3 39.1 58.7

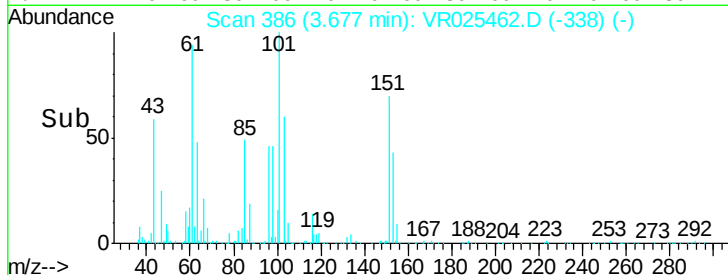
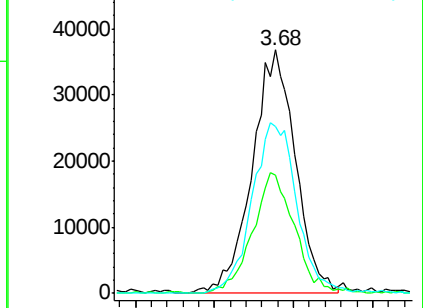
151 72.3 57.5 86.3



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: 5.306 ug/L

RT: 3.65 min Scan# 382

Delta R.T. -0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

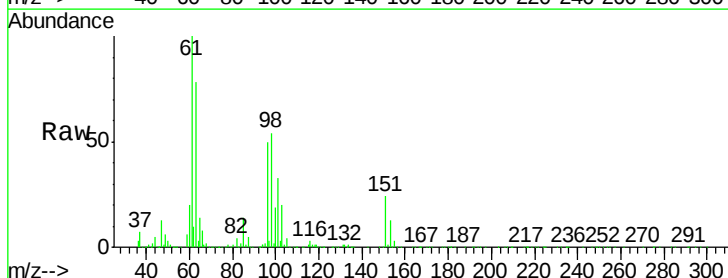
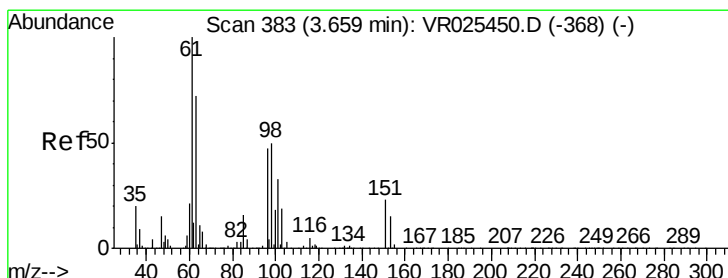
Tgt Ion: 96 Resp: 142739

Ion Ratio Lower Upper

96 100

61 200.5 155.0 287.9

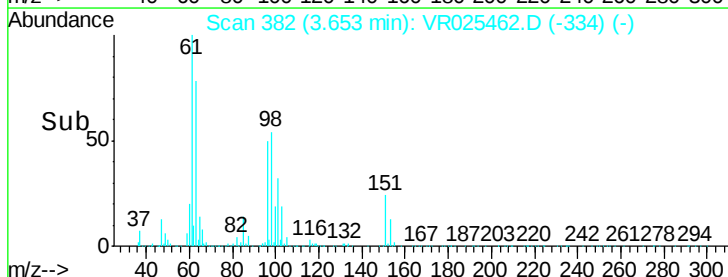
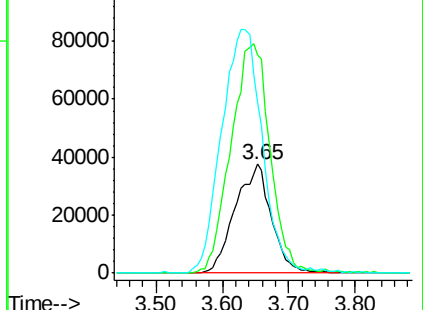
63 156.7 122.3 227.1

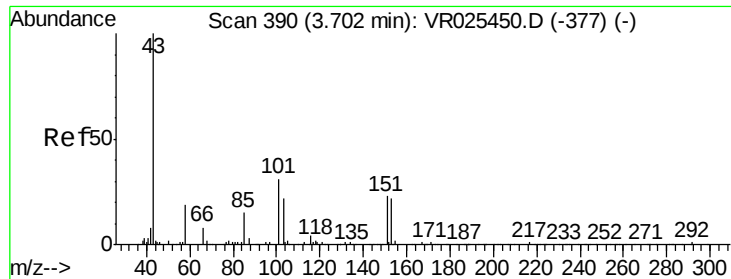


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 44.547 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

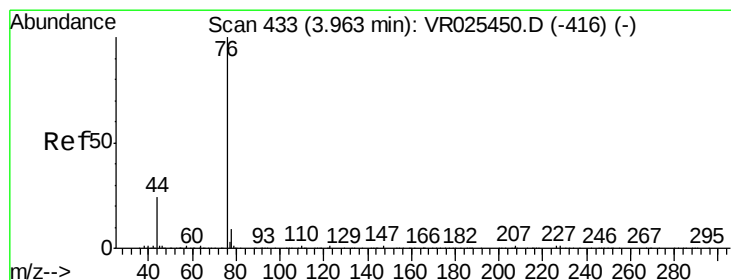
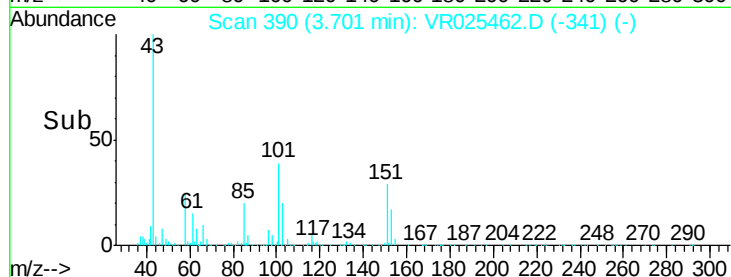
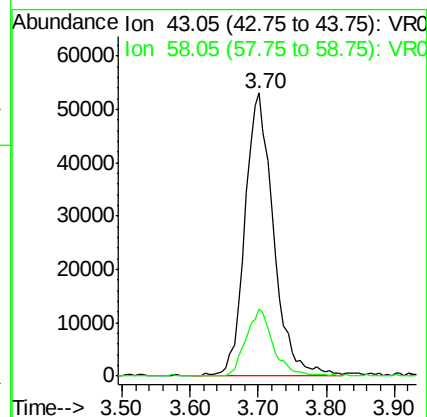
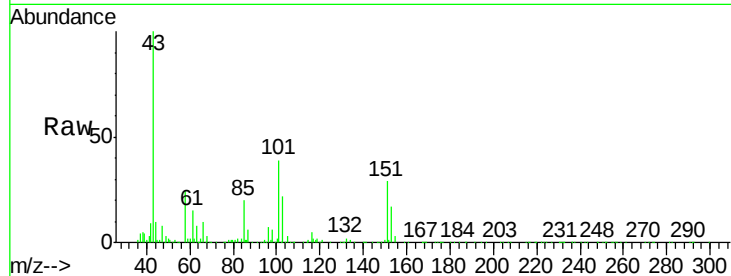
VSTD00590

Tgt Ion: 43 Resp: 154644

Ion Ratio Lower Upper

43 100

58 22.3 0.0 41.6



#14

Carbon disulfide

Concen: 6.170 ug/L

RT: 3.95 min Scan# 431

Delta R.T. -0.01 min

Lab File: VR025462.D

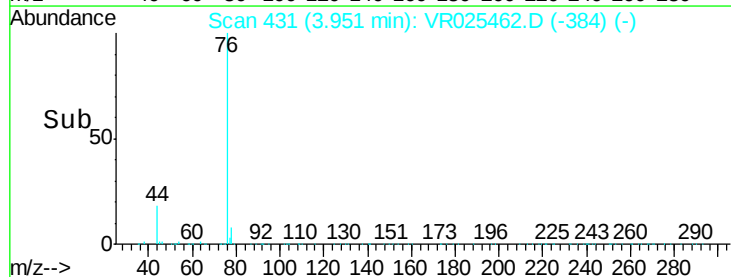
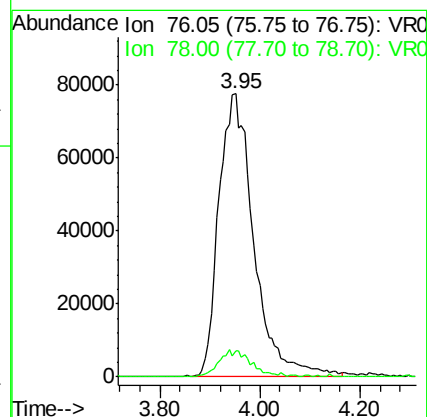
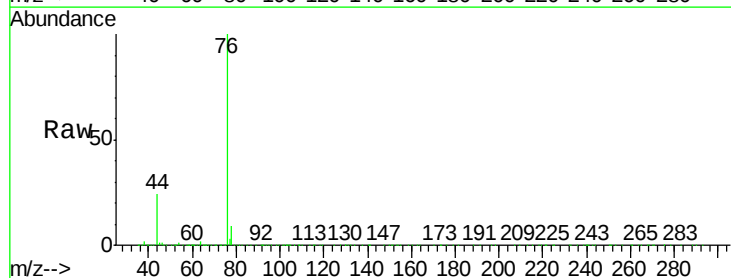
Acq: 13 Jul 2018 13:42

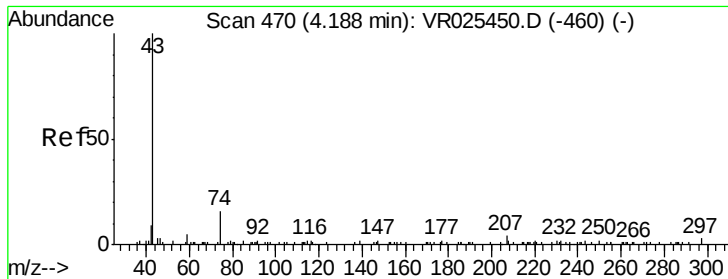
Tgt Ion: 76 Resp: 377728

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

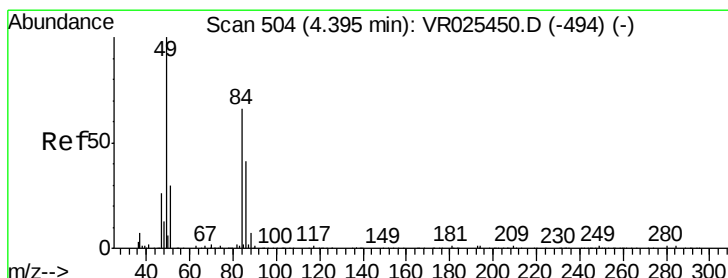
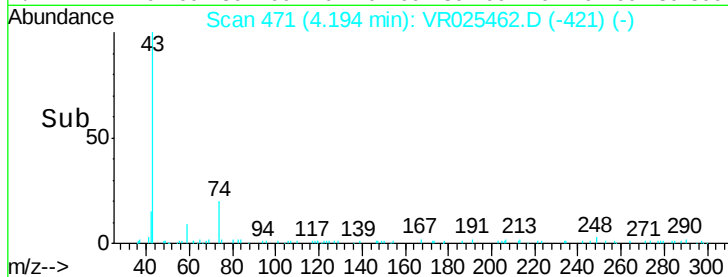
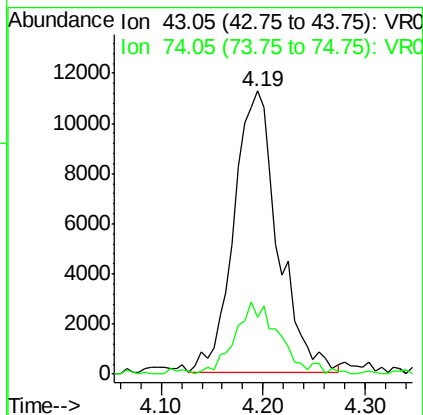
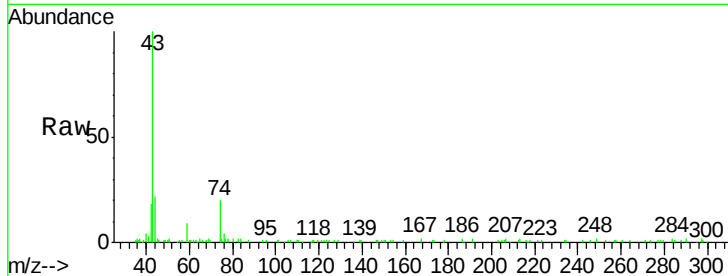




#15
Methyl Acetate
Concen: 4.343 ug/L
RT: 4.19 min Scan# 471
Delta R.T. 0.01 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

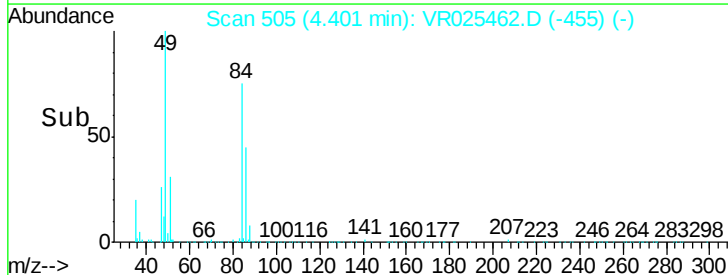
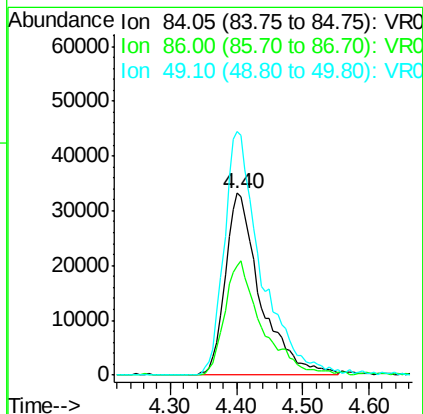
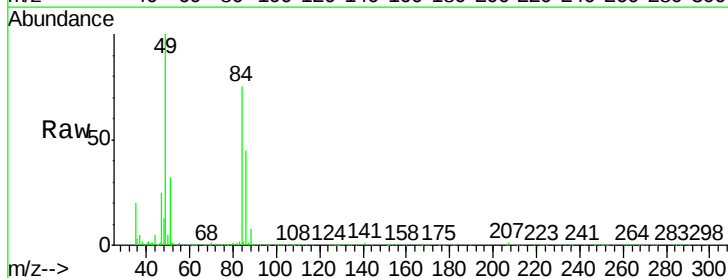
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

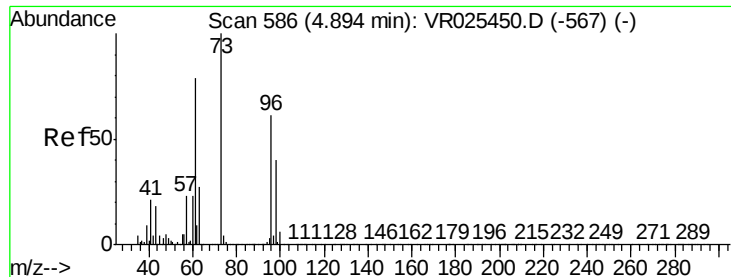
Tgt Ion: 43 Resp: 33735
Ion Ratio Lower Upper
43 100
74 24.3 16.7 25.1



#16
Methylene chloride
Concen: 4.645 ug/L
RT: 4.40 min Scan# 505
Delta R.T. 0.01 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

Tgt Ion: 84 Resp: 122422
Ion Ratio Lower Upper
84 100
86 59.8 43.7 81.1
49 134.0 87.2 162.0



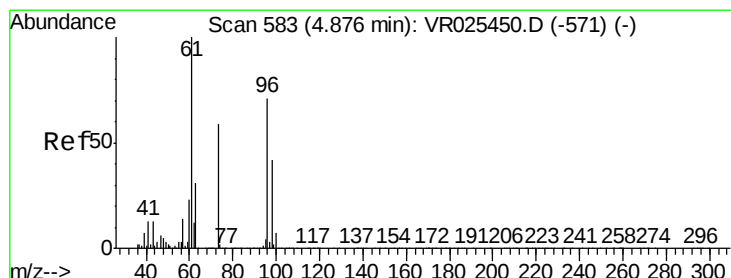
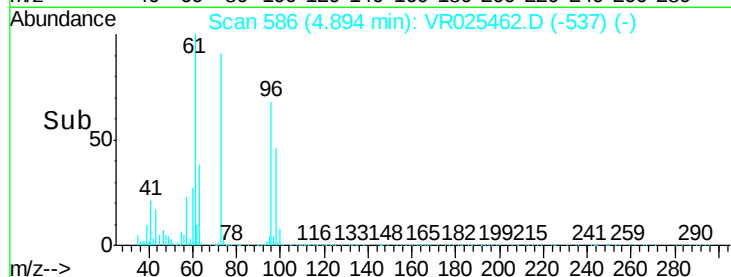
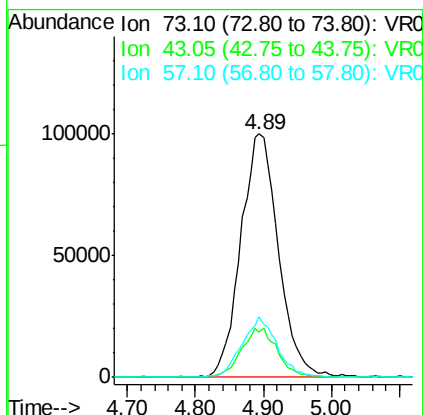
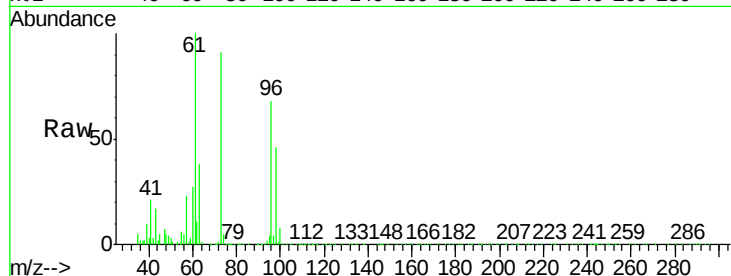


#17

Methyl tert-butyl Ether
Concen: 4.382 ug/L
RT: 4.89 min Scan# 586
Delta R.T. -0.00 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

Instrument :
MSVOA_R
ClientSampled :
VSTD00590

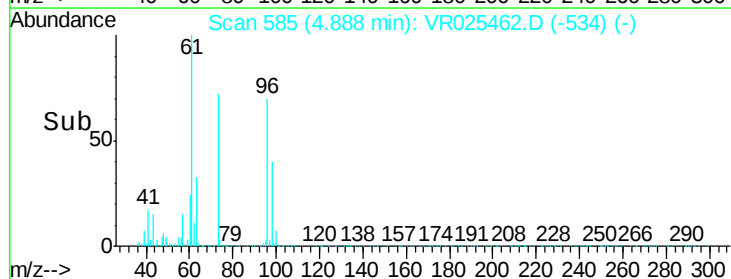
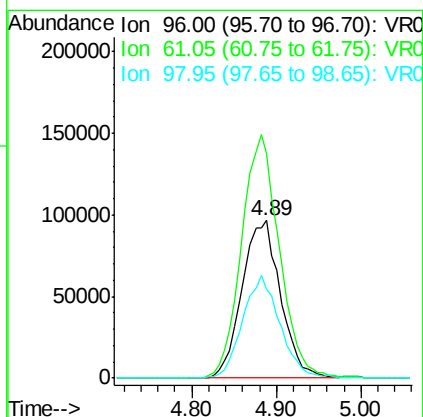
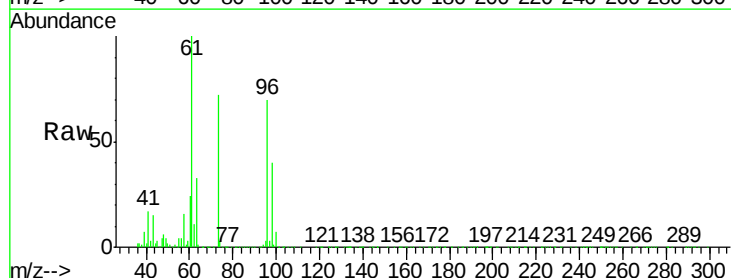
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.8	23.6
57	22.9	19.0	28.4

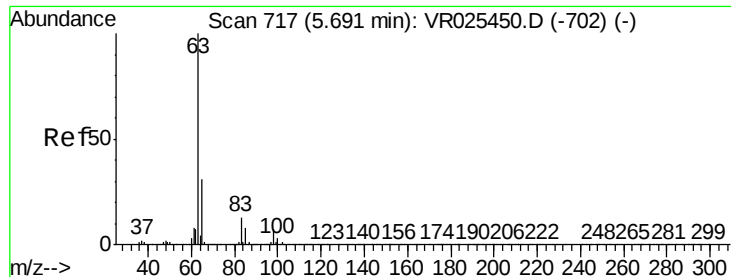


#18

trans-1,2-Dichloroethene
Concen: 4.469 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.01 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.4	104.4	193.8
98	56.5	43.1	80.1

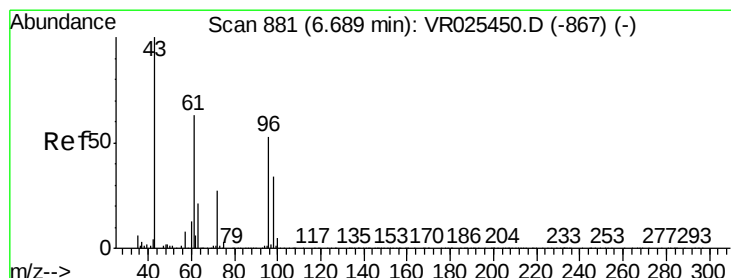
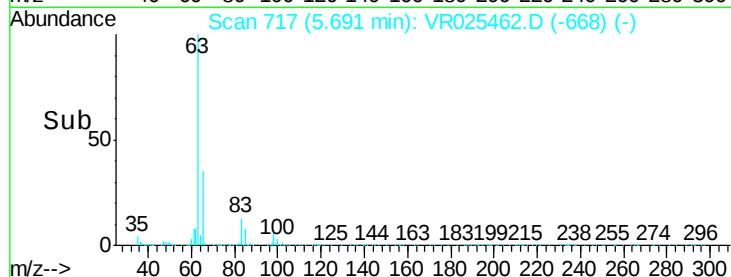
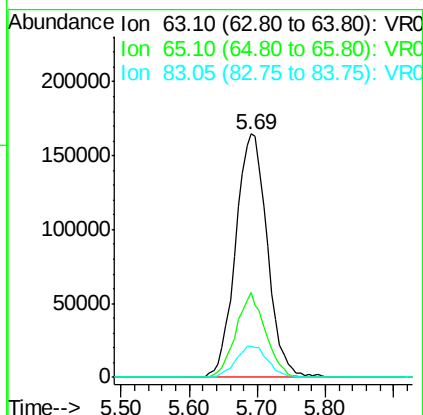
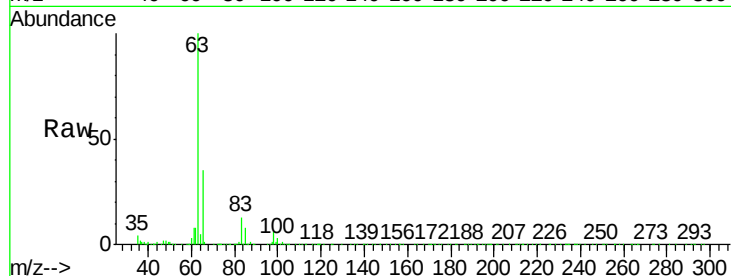




#19
 1,1-Dichloroethane
 Concen: 4.622 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

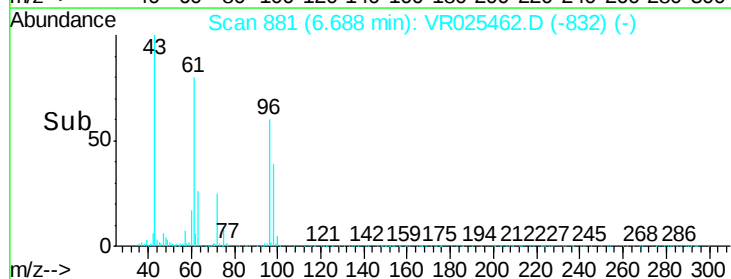
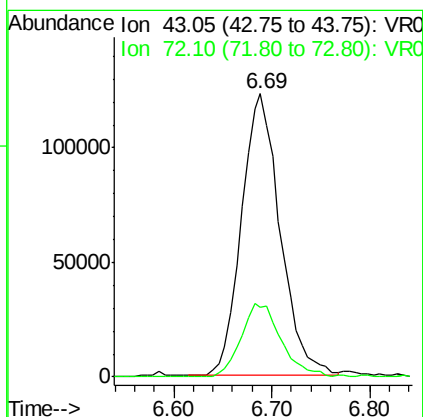
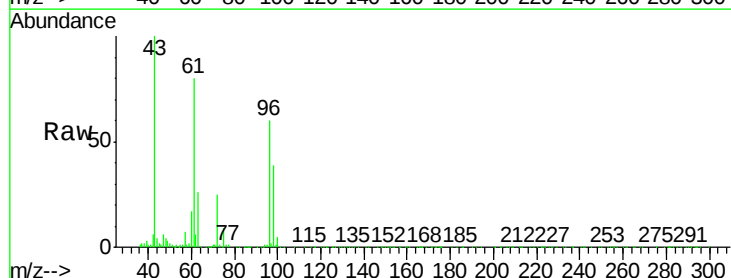
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

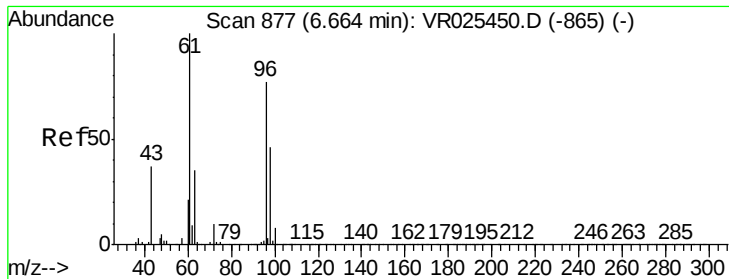
Tgt Ion:	63	Resp:	530594
Ion	Ratio	Lower	Upper
63	100		
65	34.6	22.5	41.7
83	12.6	9.5	17.7



#21
 2-Butanone
 Concen: 41.727 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion:	43	Resp:	337422
Ion	Ratio	Lower	Upper
43	100		
72	26.8	13.0	38.9



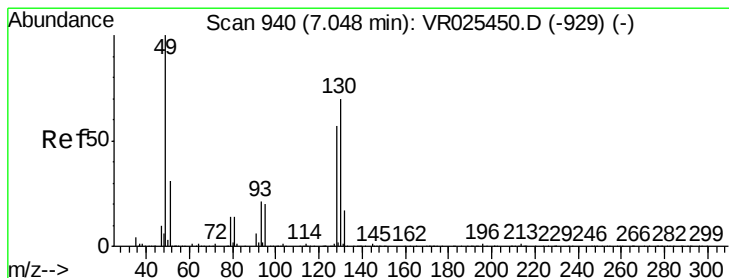
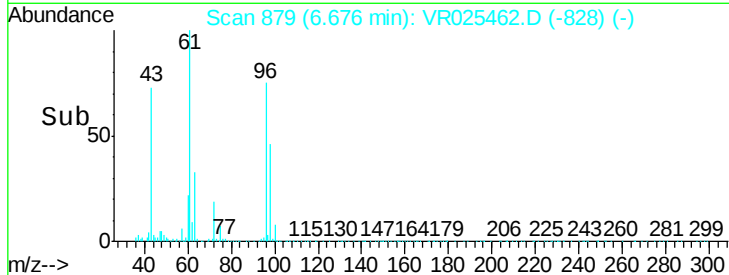
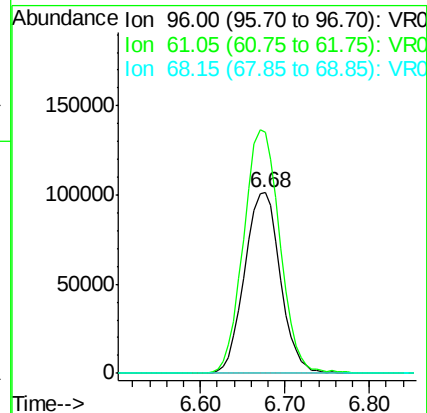
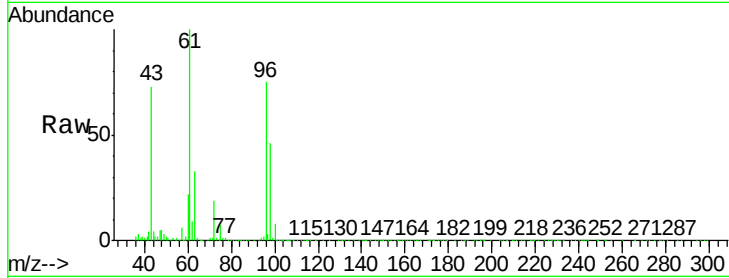


#22

cis-1,2-Dichloroethene
 Concen: 4.741 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

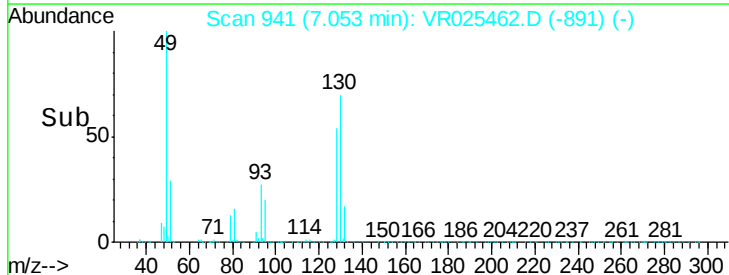
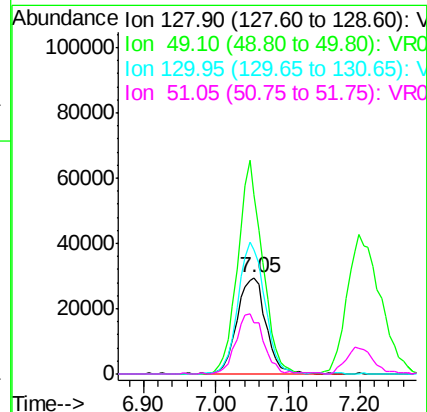
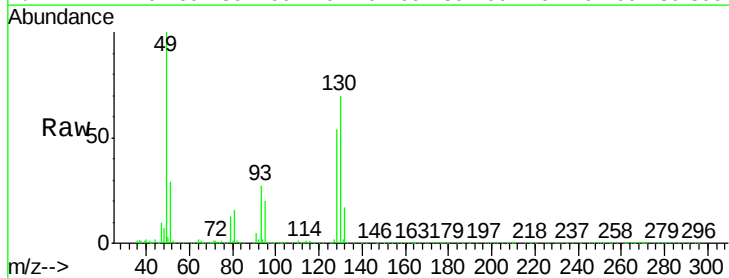
Tgt Ion: 96 Resp: 291139
 Ion Ratio Lower Upper
 96 100
 61 133.4 91.0 169.0
 68 0.0 0.0 0.0

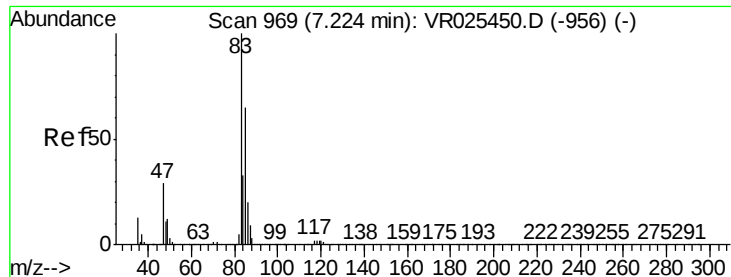


#23

Bromochloromethane
 Concen: 4.143 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion: 128 Resp: 81931
 Ion Ratio Lower Upper
 128 100
 49 185.5 128.7 238.9
 130 129.6 87.2 161.9
 51 53.3 48.2 72.2





#25

Chloroform

Concen: 4.423 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

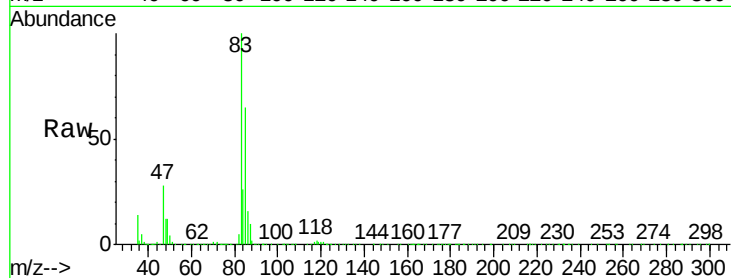
VSTD00590

Tgt Ion: 83 Resp: 487790

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

200000

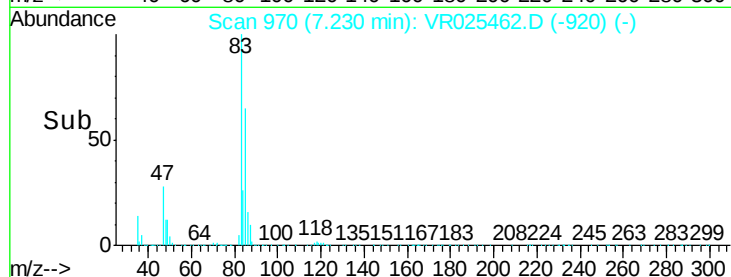
150000

100000

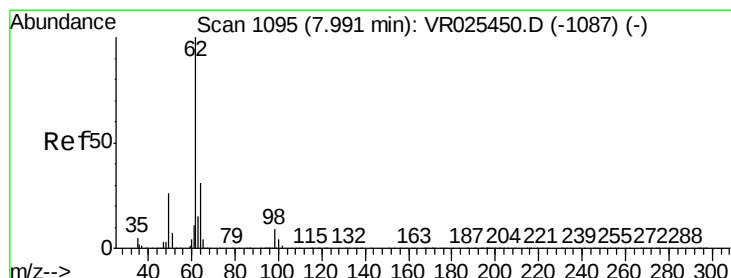
50000

0

Time-->



Time-->



#27

1,2-Dichloroethane

Concen: 4.362 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VR025462.D

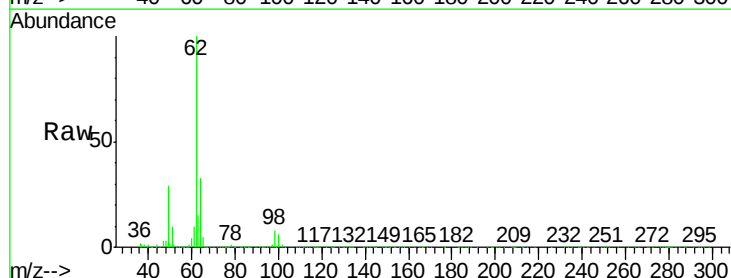
Acq: 13 Jul 2018 13:42

Tgt Ion: 62 Resp: 215662

Ion Ratio Lower Upper

62 100

98 8.2 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

120000

100000

80000

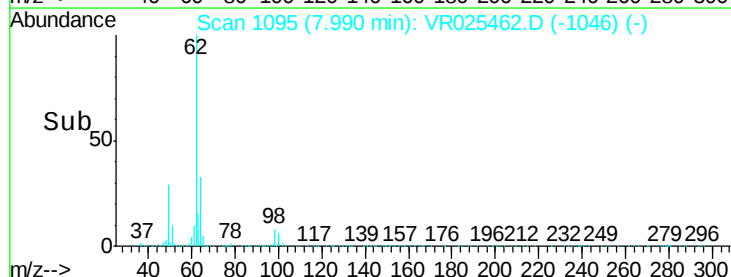
60000

40000

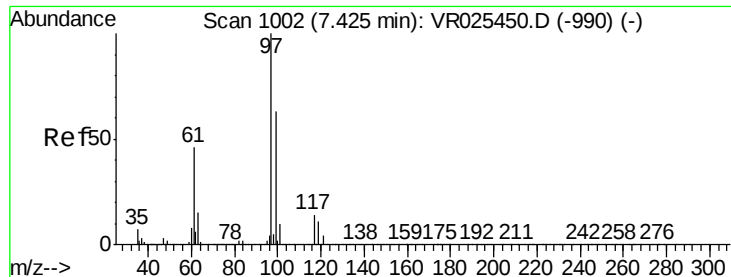
20000

0

Time-->



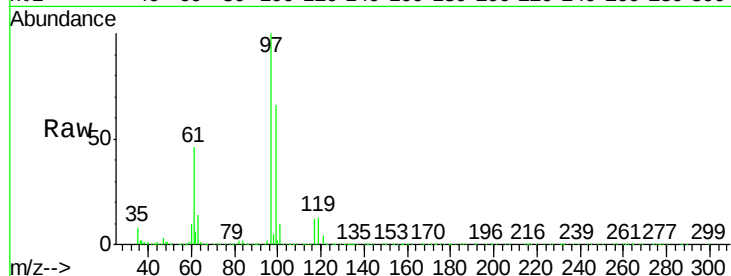
Time-->



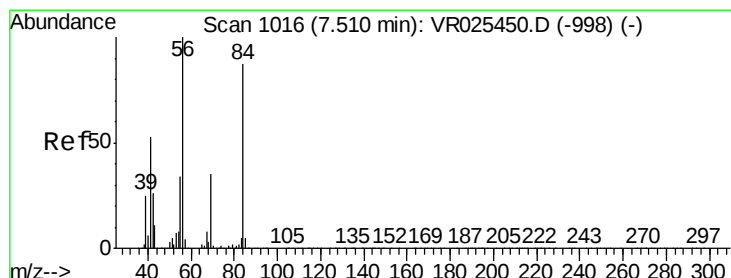
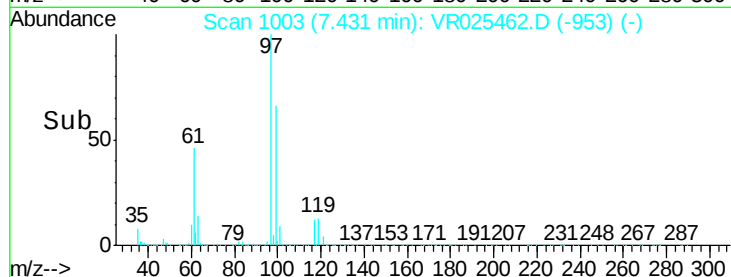
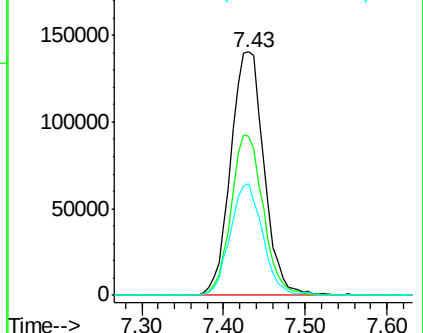
#29
 1,1,1-Trichloroethane
 Concen: 5.592 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Tgt Ion: 97 Resp: 394412
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.1 78.1
 61 44.2 37.0 55.6

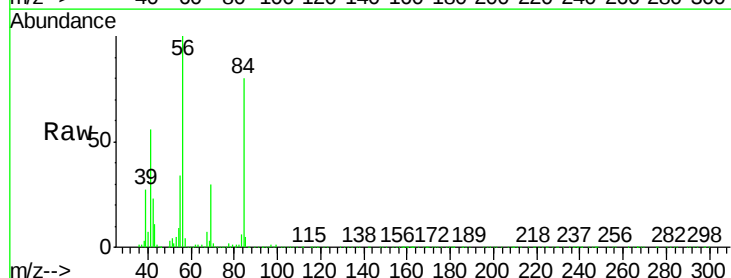


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

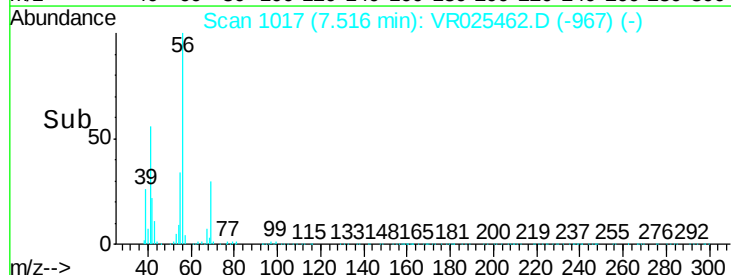
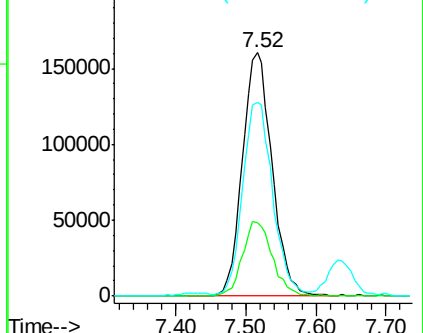


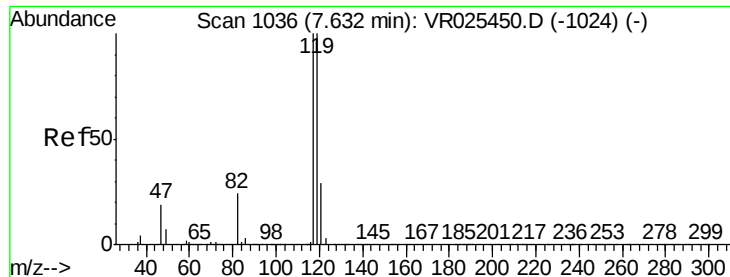
#30
 Cyclohexane
 Concen: 6.230 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion: 56 Resp: 471419
 Ion Ratio Lower Upper
 56 100
 69 30.4 23.7 35.5
 84 80.3 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: 5.628 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

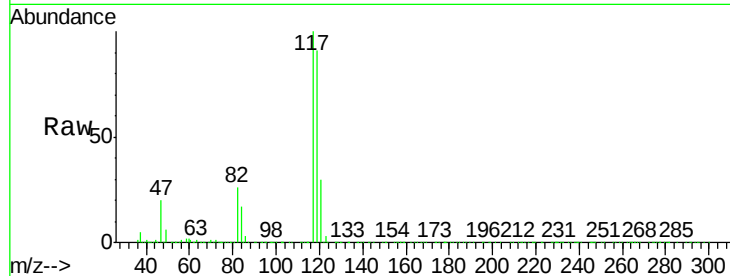
VSTD00590

Tgt Ion:117 Resp: 351147

Ion Ratio Lower Upper

117 100

119 96.8 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

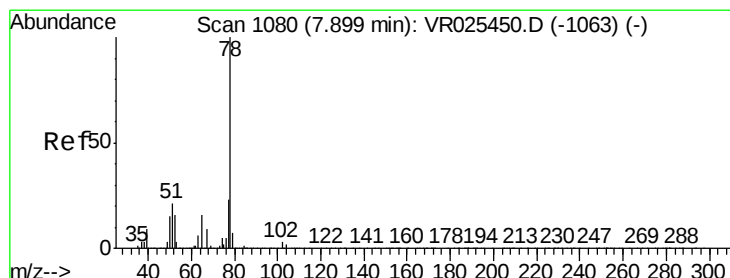
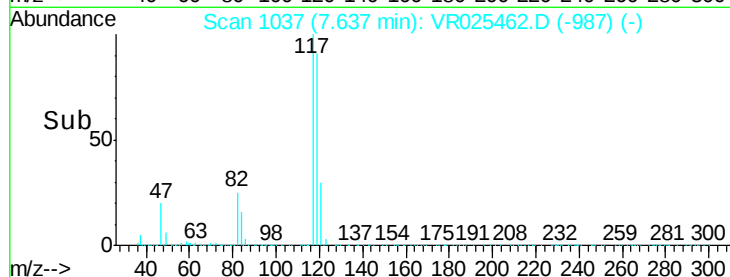
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#33

Benzene

Concen: 4.934 ug/L

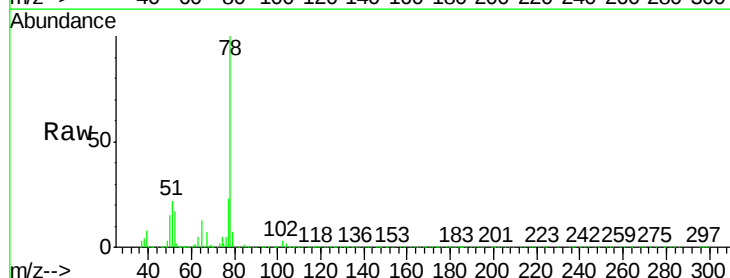
RT: 7.91 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Tgt Ion: 78 Resp: 1179343



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

600000

500000

400000

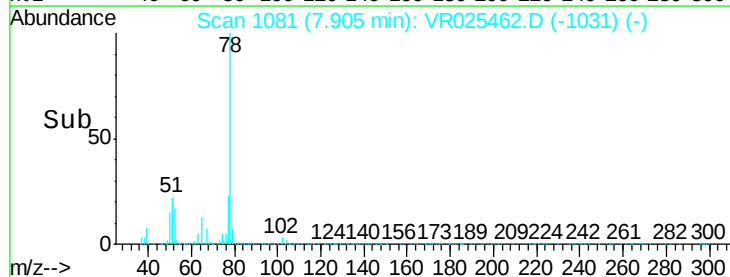
300000

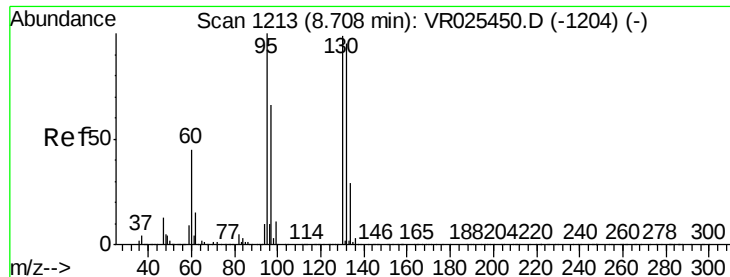
200000

100000

0

Time--> 7.70 7.80 7.90 8.00

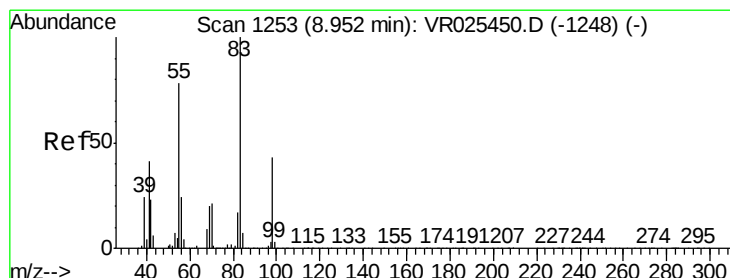
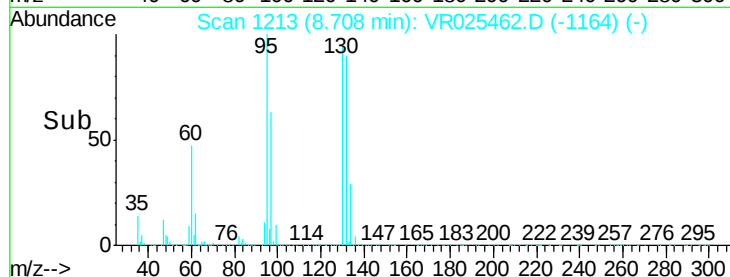
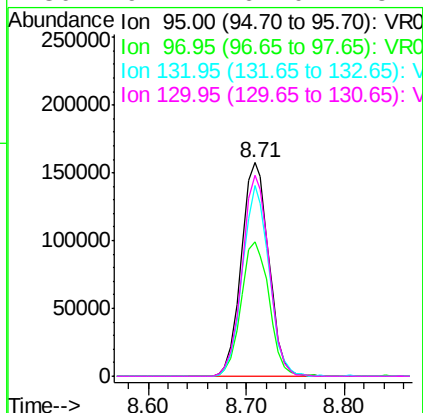
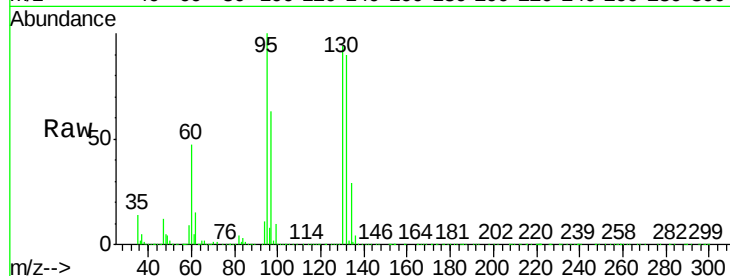




#34
 Trichloroethene
 Concen: 5.016 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

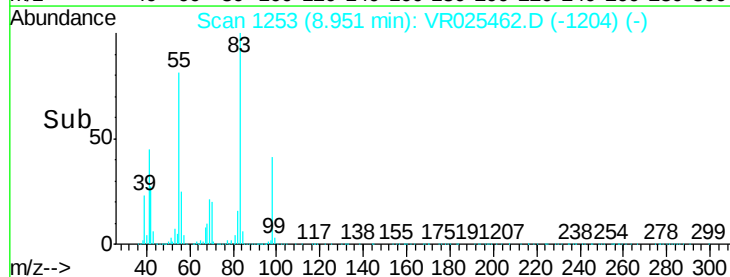
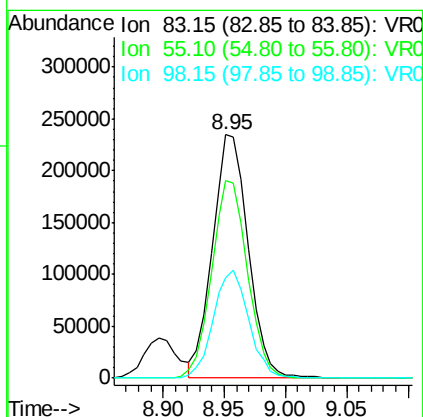
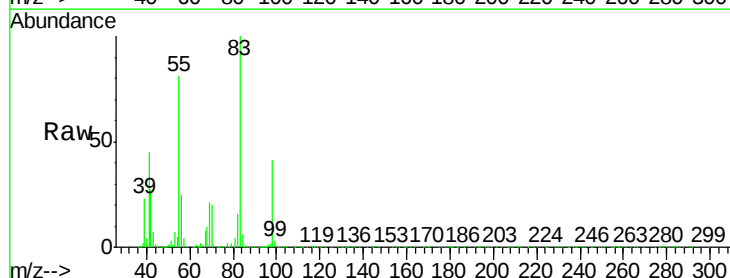
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

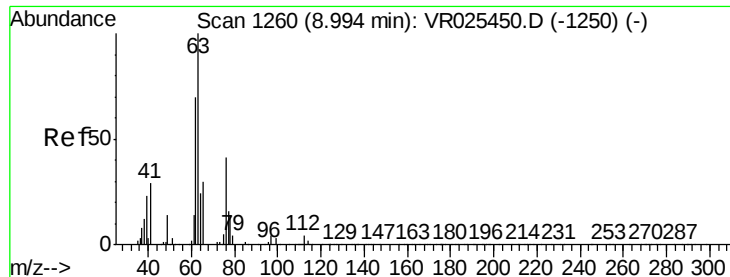
Tgt Ion:	95	Resp:	305193
Ion	Ratio	Lower	Upper
95	100		
97	62.7	45.6	84.6
132	89.6	60.9	113.1
130	94.2	62.0	115.2



#35
 Methylcyclohexane
 Concen: 5.837 ug/L
 RT: 8.95 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion:	83	Resp:	474869
Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.1	99.1
98	44.1	36.2	54.4

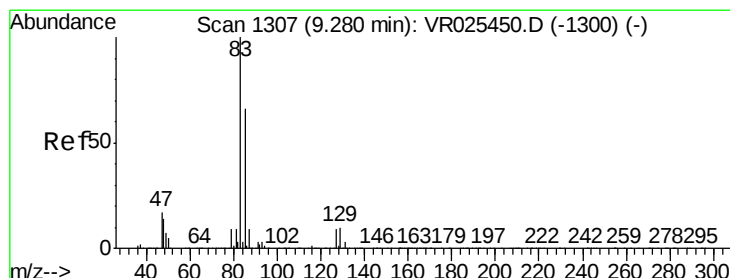
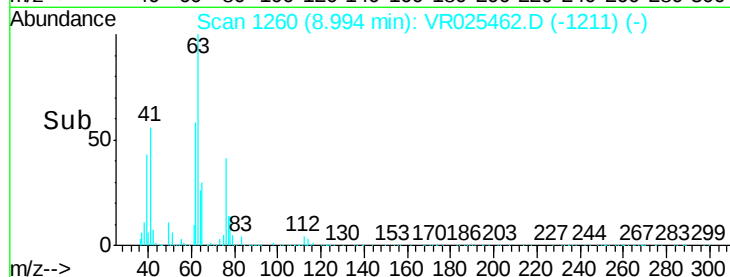
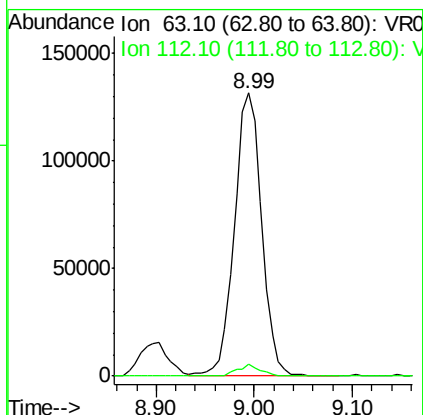
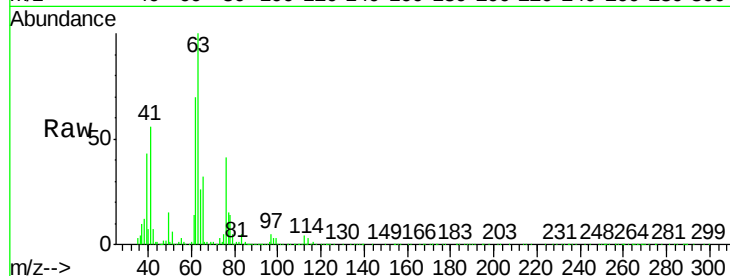




#37
 1,2-Dichloropropane
 Concen: 4.550 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

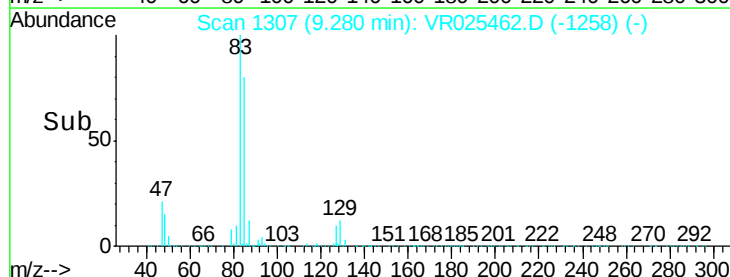
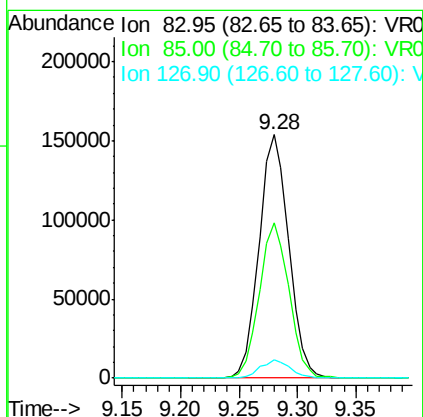
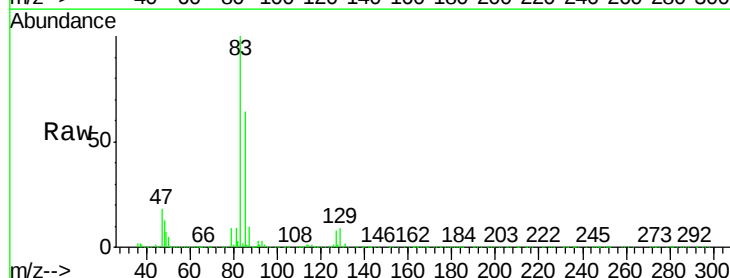
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00590

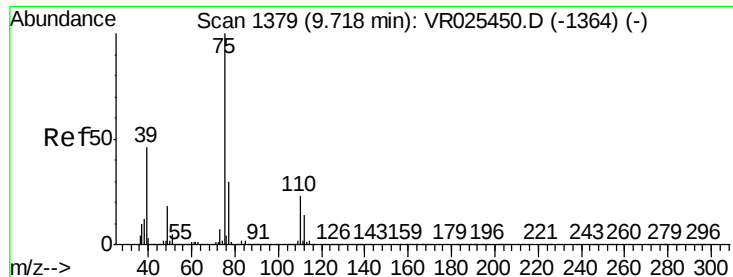
Tgt Ion: 63 Resp: 252804
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.778 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion: 83 Resp: 270563
 Ion Ratio Lower Upper
 83 100
 85 64.0 46.1 85.7
 127 7.8 5.7 8.5

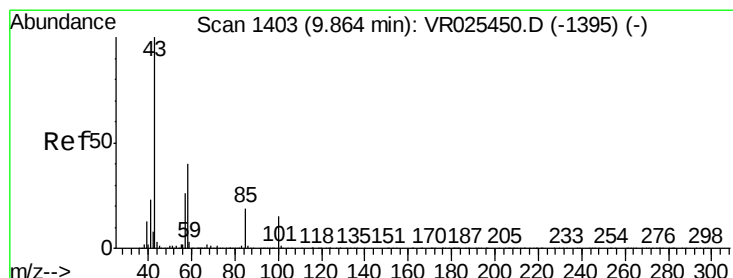
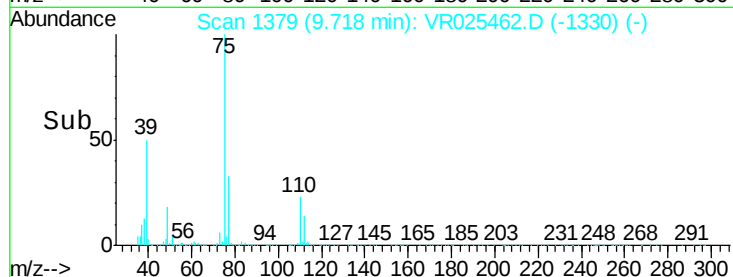
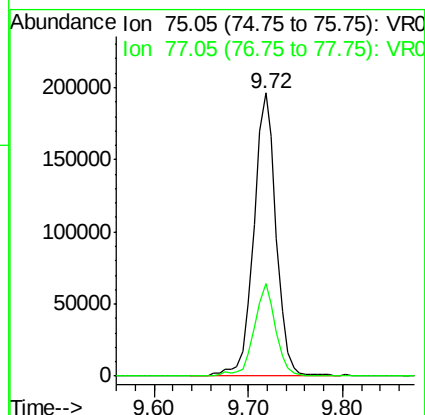
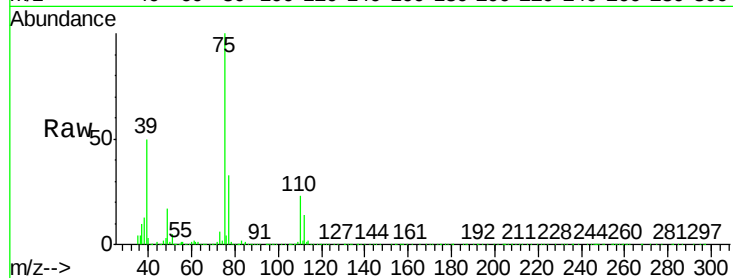




#39
 cis-1,3-Dichloropropene
 Concen: 5.247 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

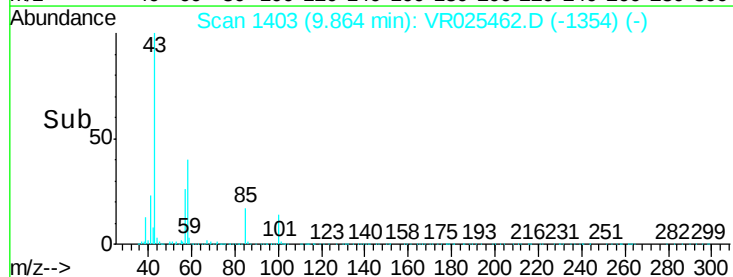
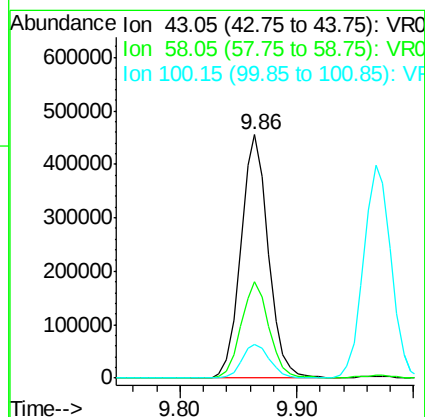
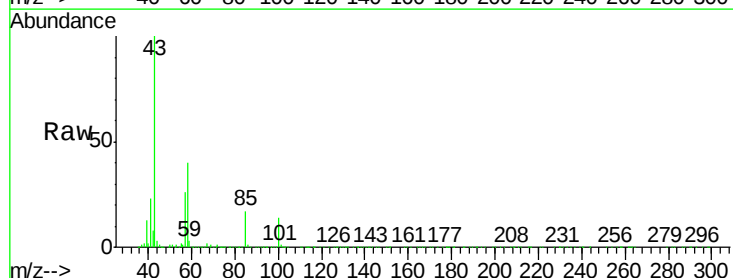
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

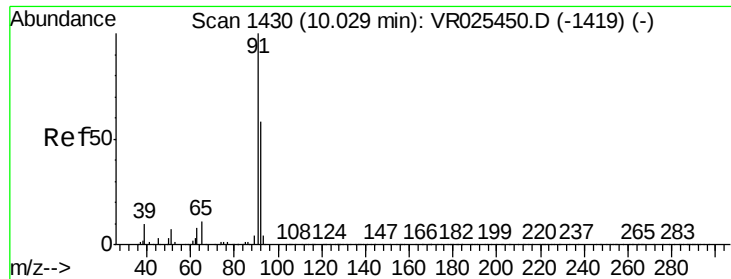
Tgt Ion: 75 Resp: 327763
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 46.529 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion: 43 Resp: 749125
 Ion Ratio Lower Upper
 43 100
 58 40.0 30.3 45.5
 100 14.2 10.3 15.5





#42

Toluene

Concen: 5.119 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

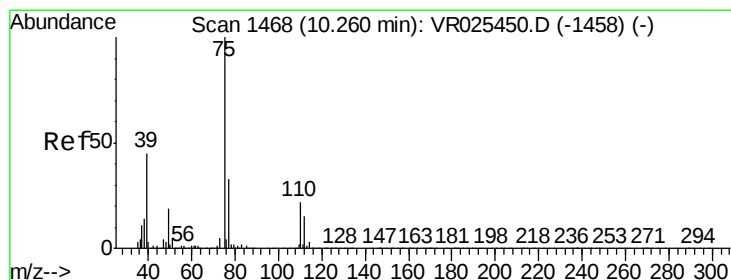
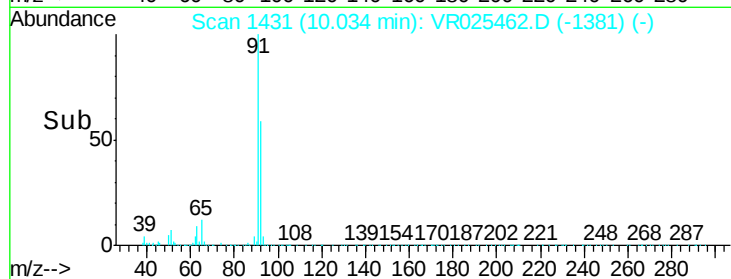
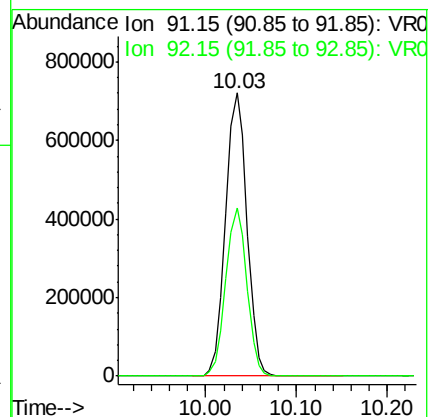
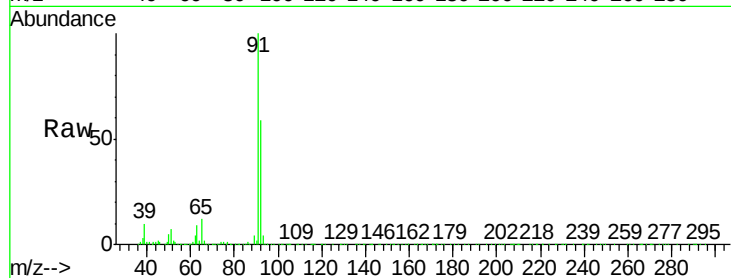
VSTD00590

Tgt Ion: 91 Resp: 1189672

Ion Ratio Lower Upper

91 100

92 59.4 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.938 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VR025462.D

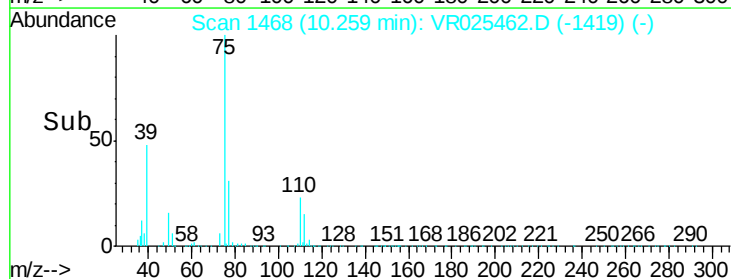
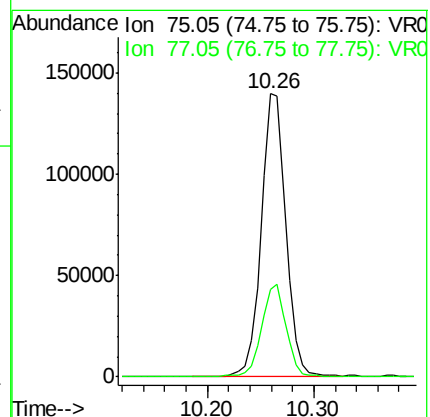
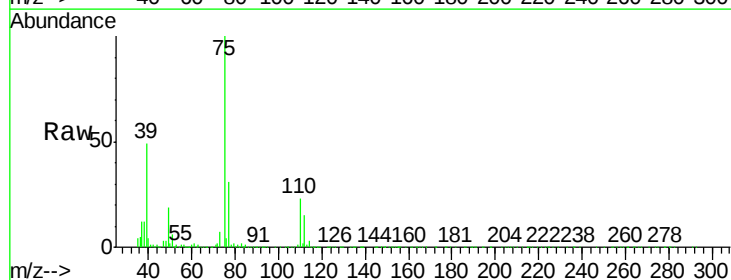
Acq: 13 Jul 2018 13:42

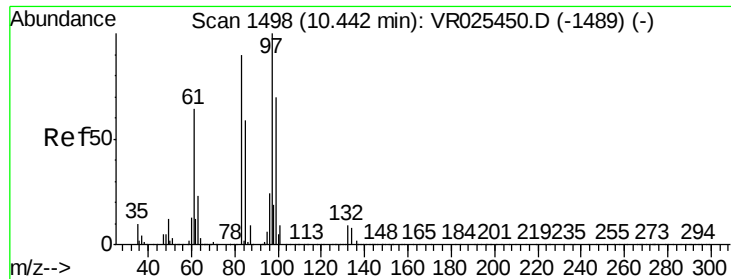
Tgt Ion: 75 Resp: 226533

Ion Ratio Lower Upper

75 100

77 31.1 20.6 38.4

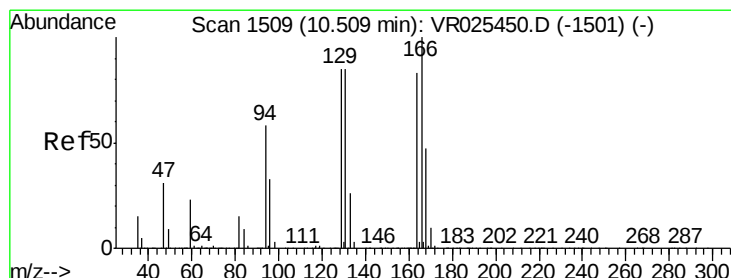
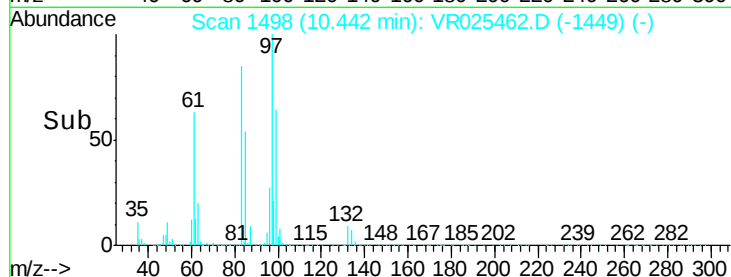
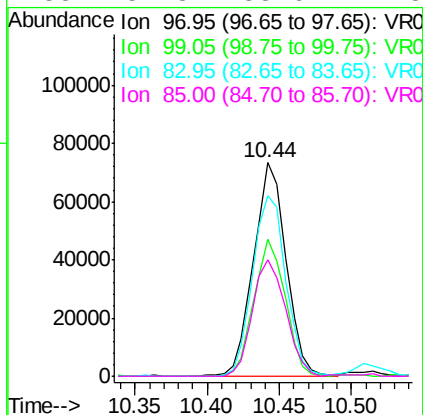
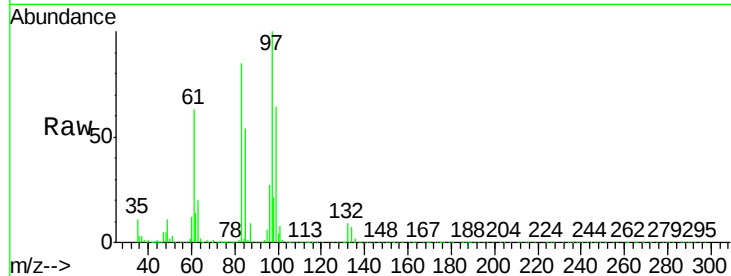




#45
 1,1,2-Trichloroethane
 Concen: 4.206 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

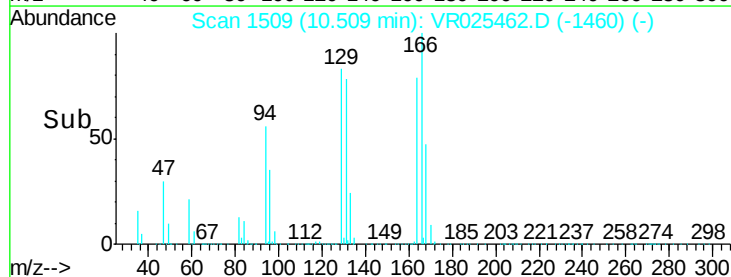
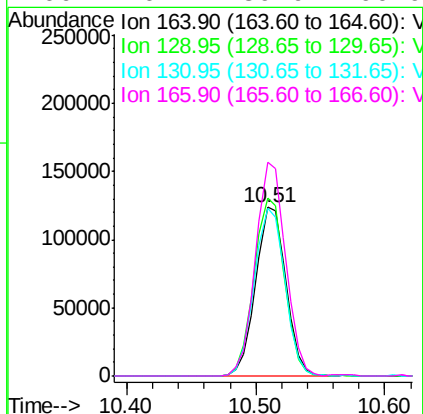
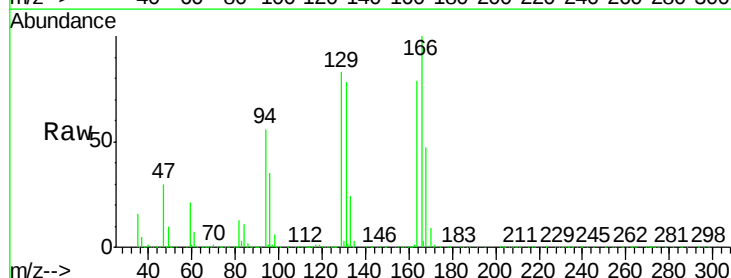
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00590

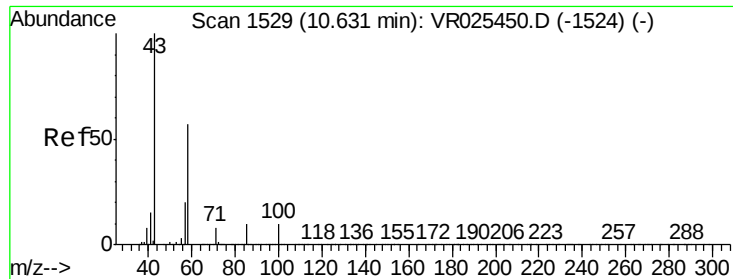
Tgt Ion:	97	Resp:	114482
Ion	Ratio	Lower	Upper
97	100		
99	64.3	41.9	77.9
83	84.8	64.5	119.9
85	54.3	38.6	71.8



#47
 Tetrachloroethene
 Concen: 5.017 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion:	164	Resp:	199323
Ion	Ratio	Lower	Upper
164	100		
129	105.3	68.1	126.5
131	99.3	68.5	127.1
166	126.7	89.9	166.9

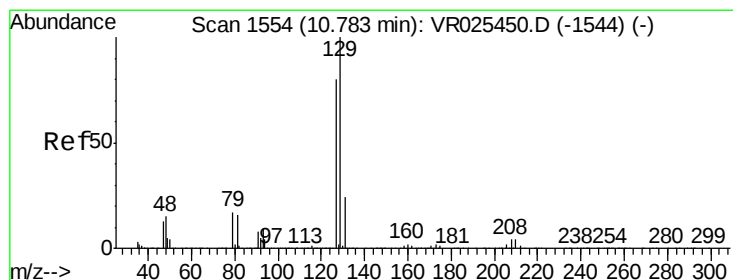
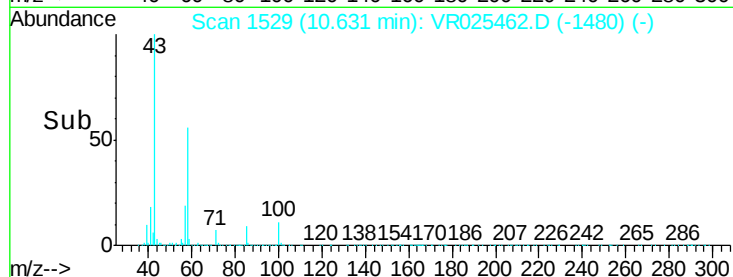
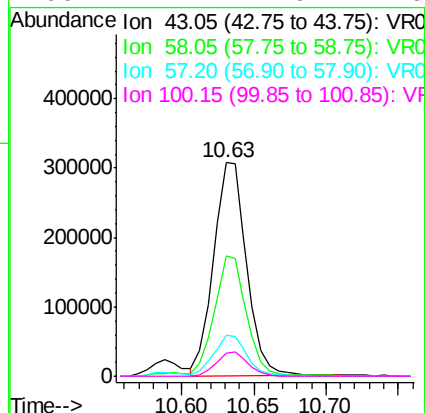
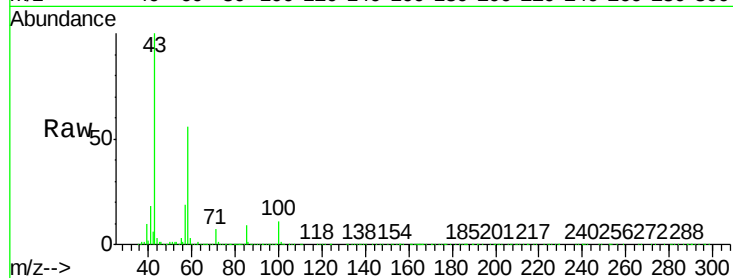




#48
2-Hexanone
Concen: 44.103 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

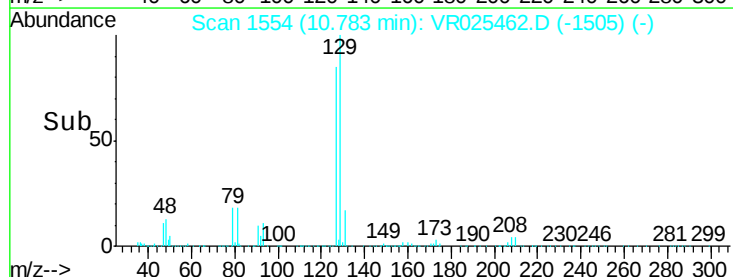
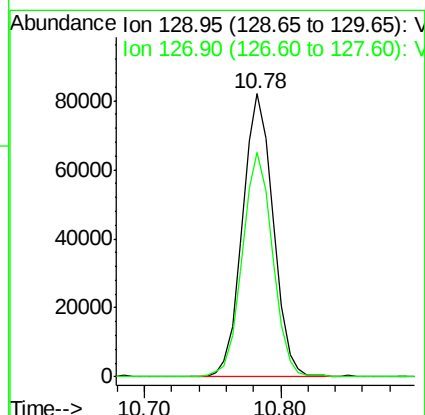
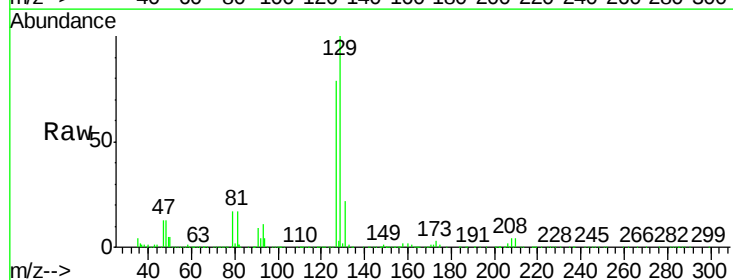
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

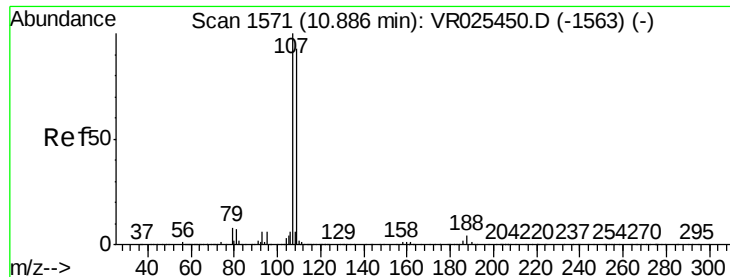
Tgt Ion:	43	Resp:	488448
Ion	Ratio	Lower	Upper
43	100		
58	57.5	43.1	64.7
57	19.3	15.3	22.9
100	11.2	7.9	11.9



#49
Dibromochloromethane
Concen: 4.557 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

Tgt Ion:	129	Resp:	129323
Ion	Ratio	Lower	Upper
129	100		
127	79.4	55.9	103.7

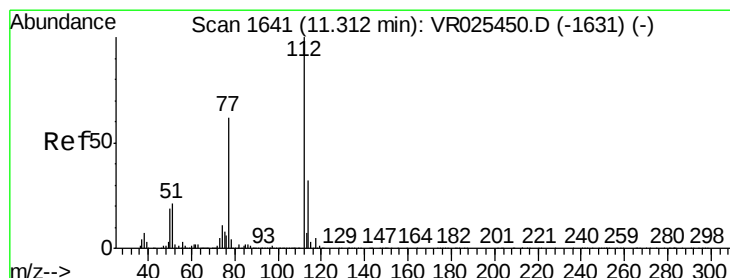
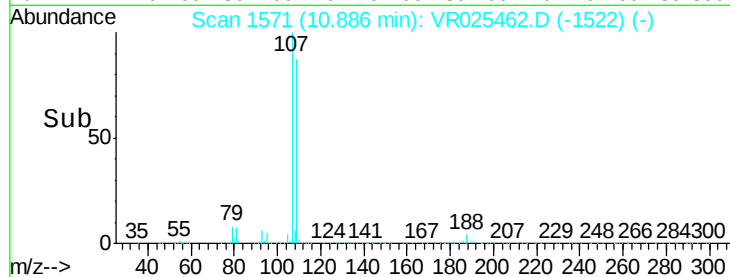
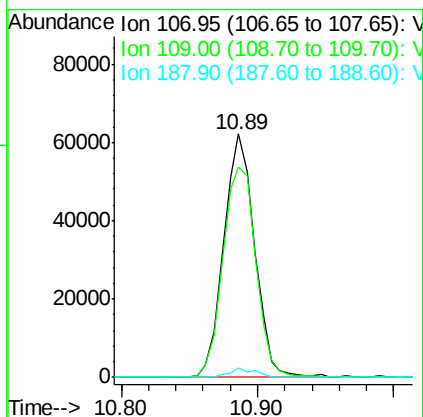
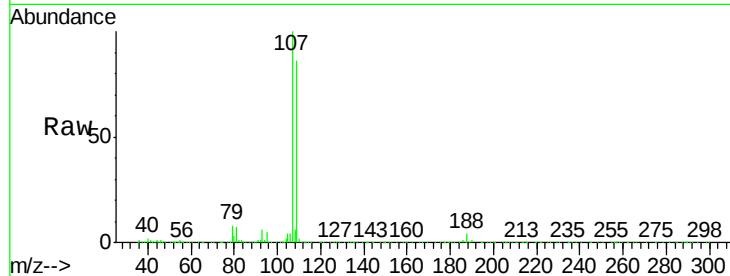




#50
1,2-Dibromoethane
Concen: 4.425 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

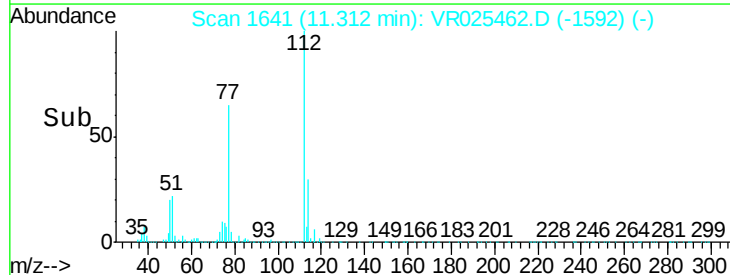
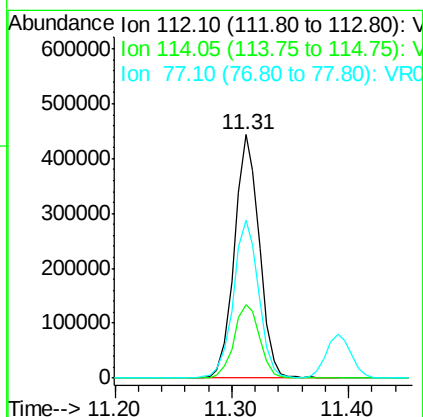
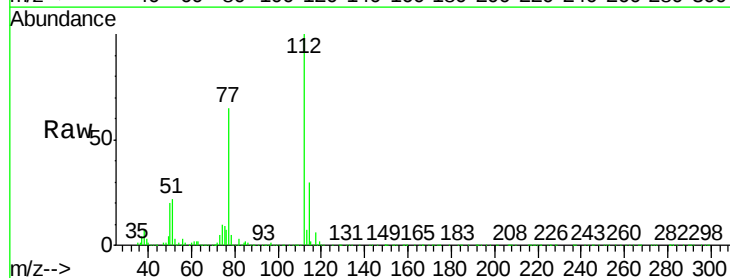
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

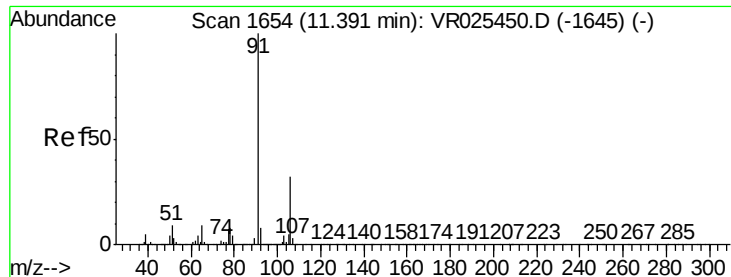
Tgt Ion:107 Resp: 97574
Ion Ratio Lower Upper
107 100
109 86.2 63.1 117.3
188 3.7 1.8 2.8#



#51
Chlorobenzene
Concen: 4.659 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

Tgt Ion:112 Resp: 659278
Ion Ratio Lower Upper
112 100
114 30.4 21.6 40.0
77 64.9 51.9 77.9





#52

Ethylbenzene

Concen: 5.362 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

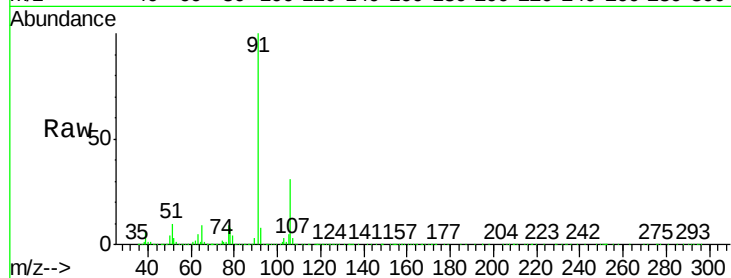
VSTD00590

Tgt Ion: 91 Resp: 1336452

Ion Ratio Lower Upper

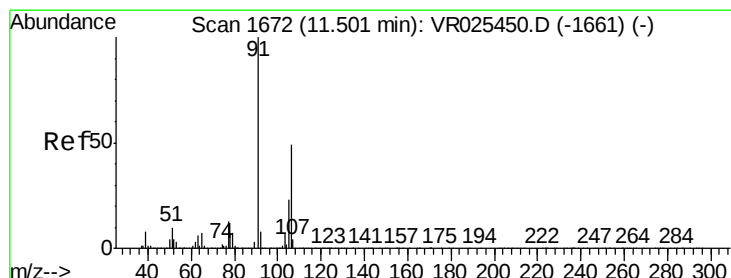
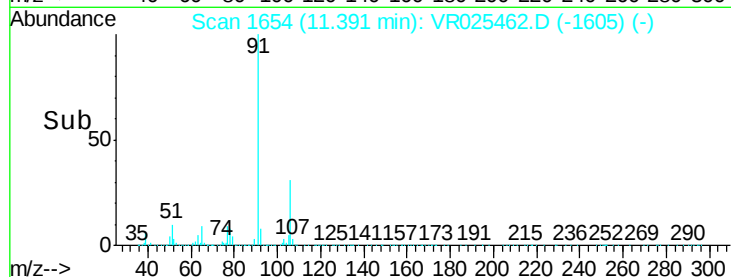
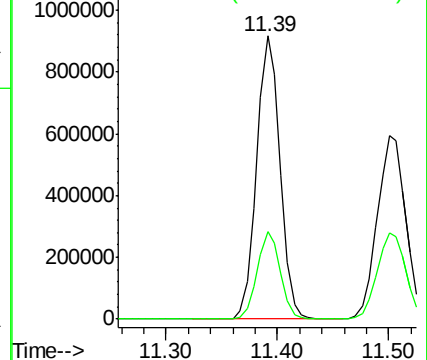
91 100

106 30.8 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.273 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025462.D

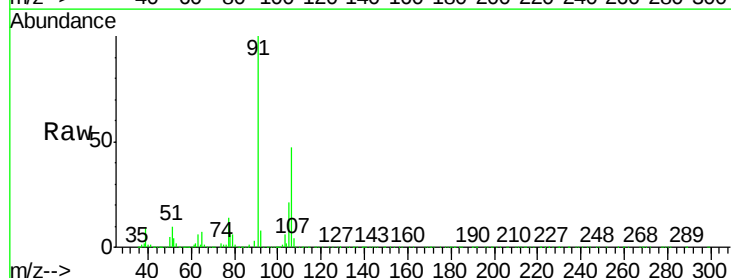
Acq: 13 Jul 2018 13:42

Tgt Ion: 106 Resp: 493162

Ion Ratio Lower Upper

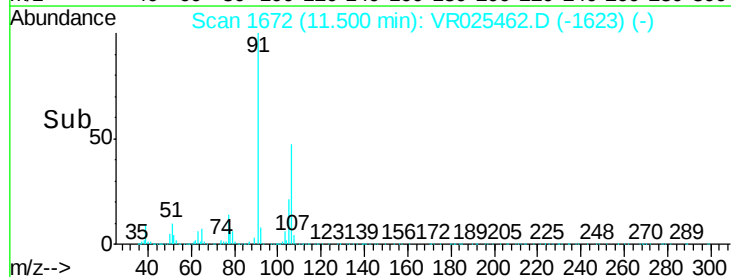
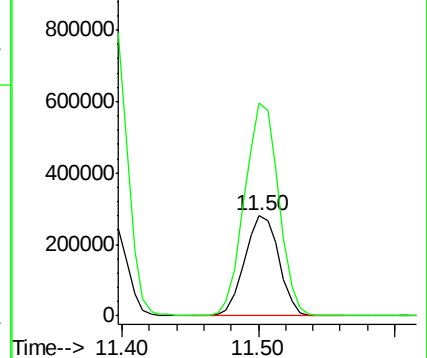
106 100

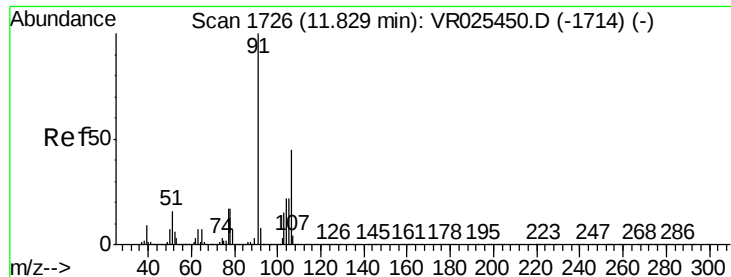
91 213.0 152.6 283.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

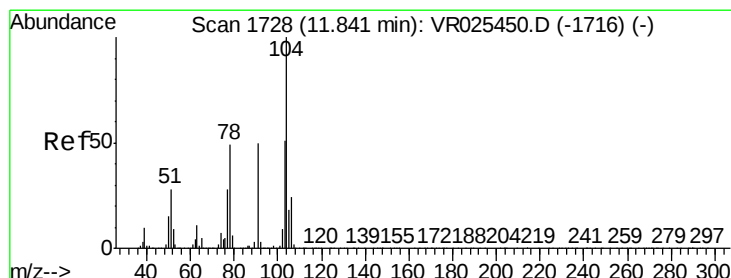
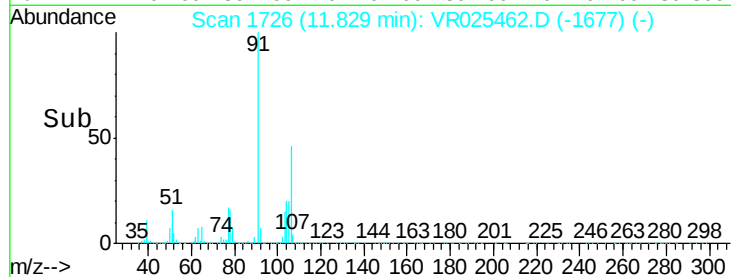
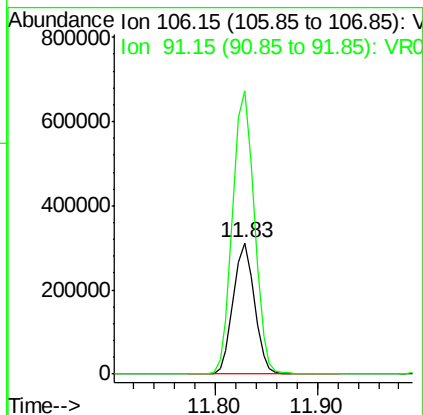
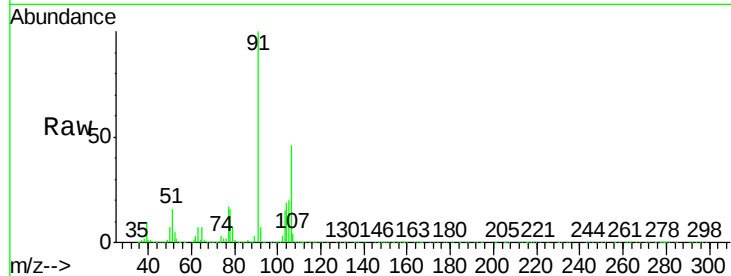




#54
o-Xylene
Concen: 5.541 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

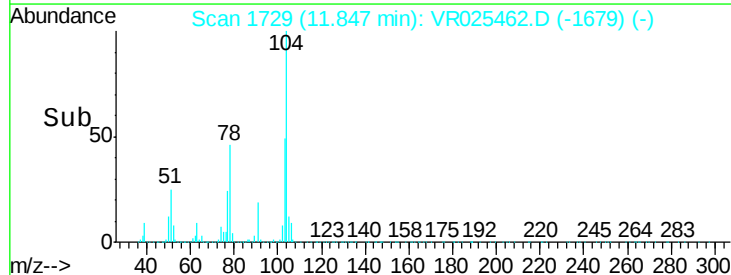
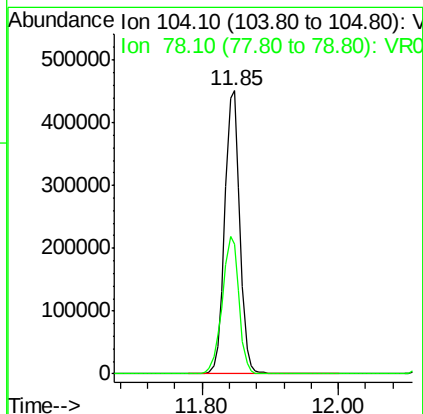
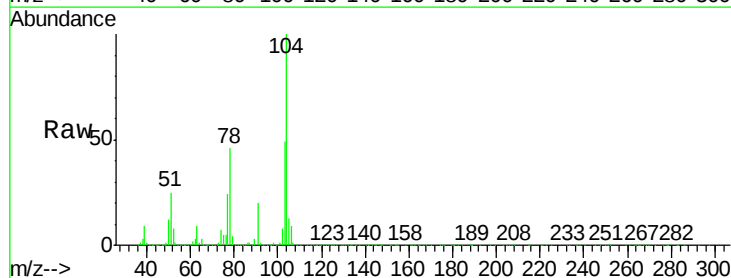
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

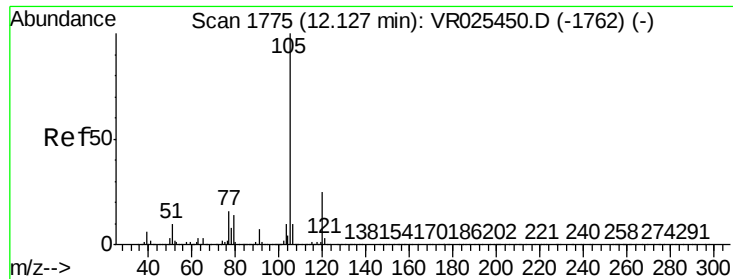
Tgt Ion:106 Resp: 446380
Ion Ratio Lower Upper
106 100
91 215.8 153.7 285.5



#55
Styrene
Concen: 5.207 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.01 min
Lab File: VR025462.D
Acq: 13 Jul 2018 13:42

Tgt Ion:104 Resp: 690178
Ion Ratio Lower Upper
104 100
78 45.8 35.4 65.7





#56

Isopropylbenzene

Concen: 5.784 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampled :

VSTD00590

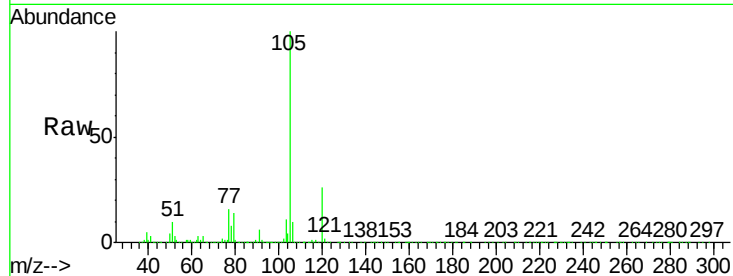
Tgt Ion:105 Resp: 1233853

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

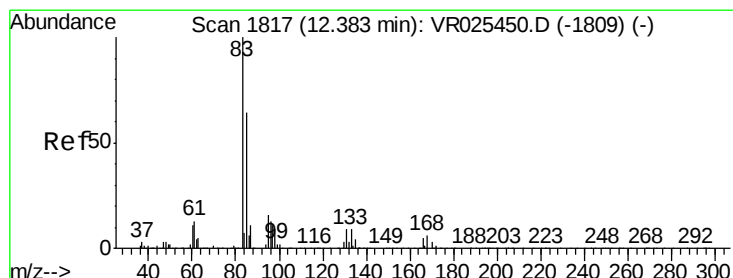
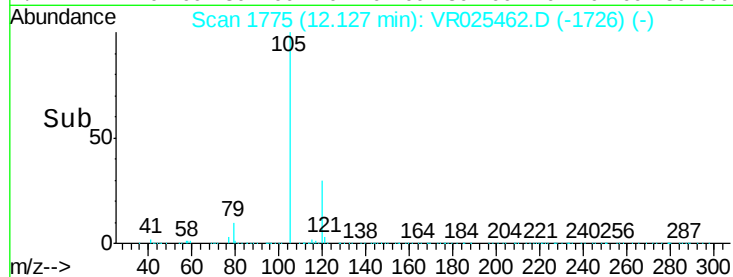
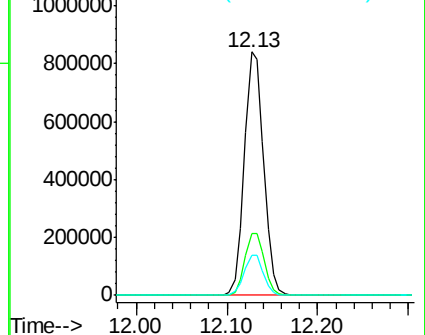
77 16.4 13.0 19.6



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: 4.137 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

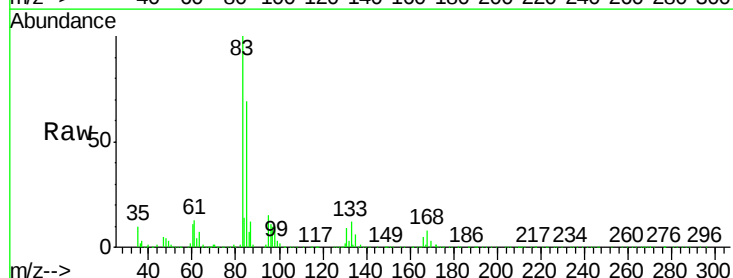
Tgt Ion: 83 Resp: 110932

Ion Ratio Lower Upper

83 100

85 68.9 41.8 77.6

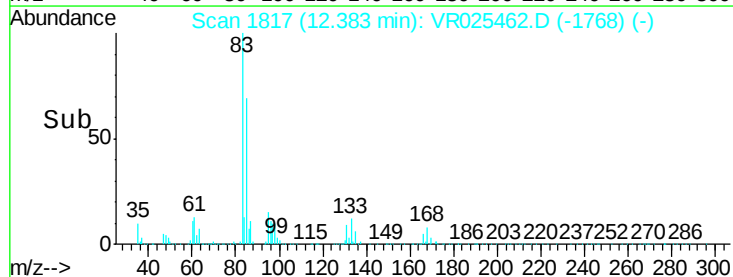
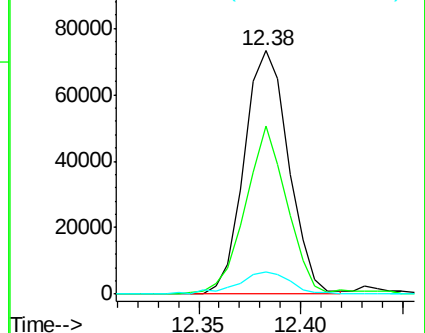
131 9.3 6.1 9.1#

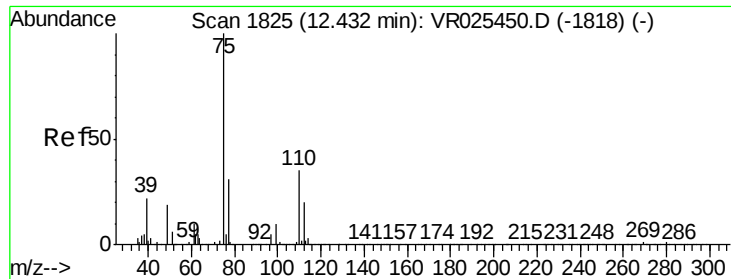


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

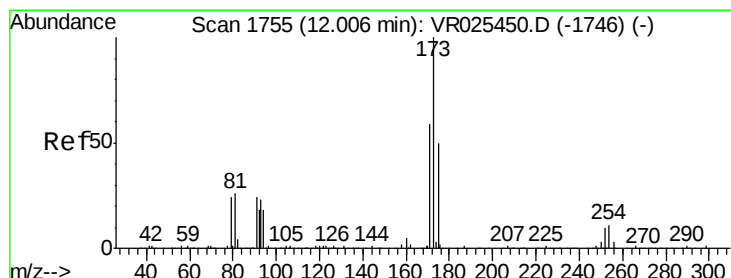
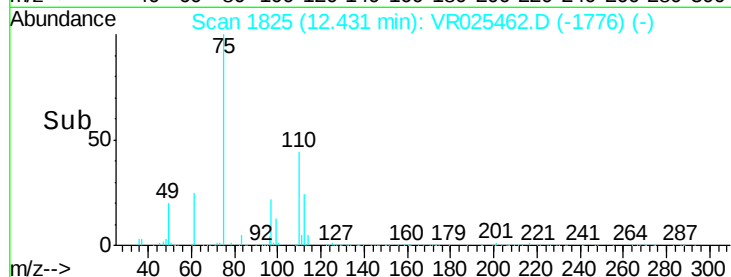
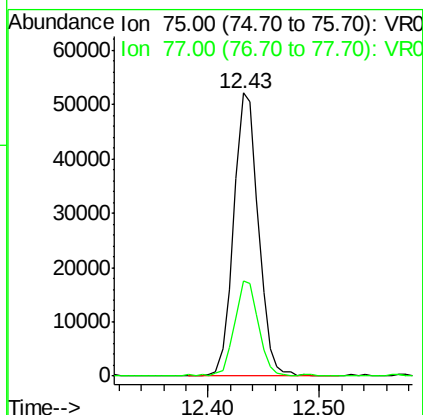
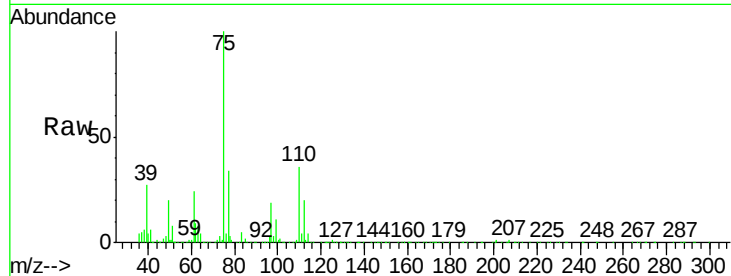




#59
 1,2,3-Trichloropropane
 Concen: 4.136 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

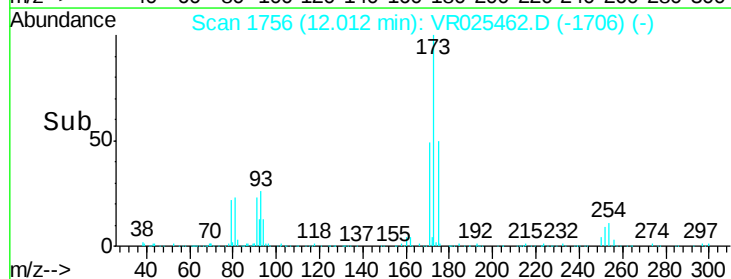
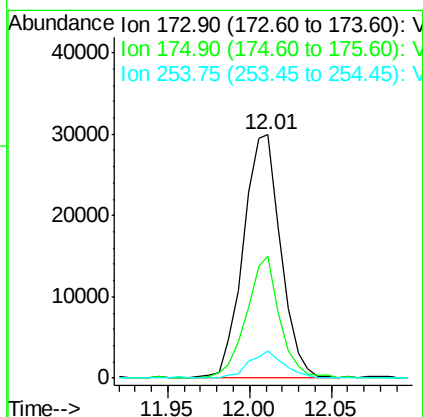
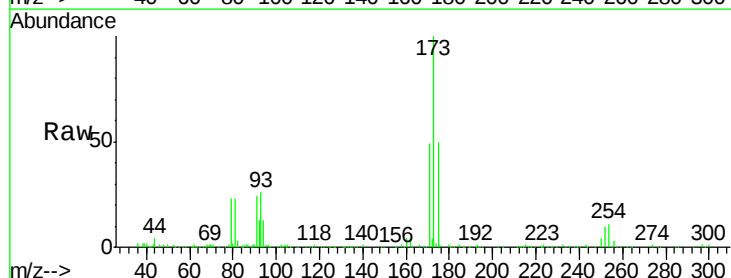
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

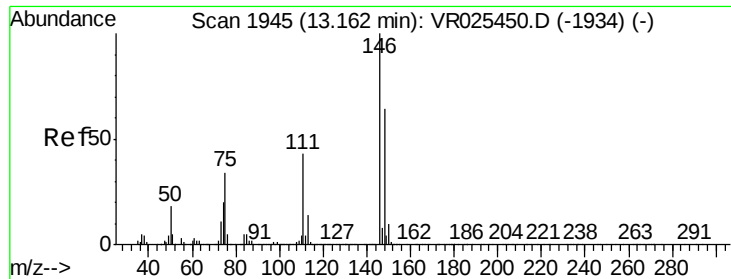
Tgt Ion: 75 Resp: 79838
 Ion Ratio Lower Upper
 75 100
 77 32.3 27.0 40.4



#61
 Bromoform
 Concen: 4.403 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion: 173 Resp: 47645
 Ion Ratio Lower Upper
 173 100
 175 45.3 37.5 56.3
 254 10.7 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 5.213 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

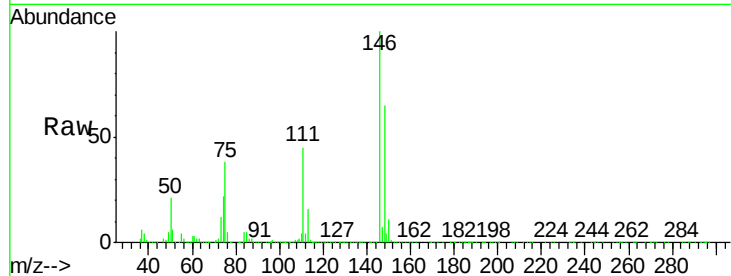
Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

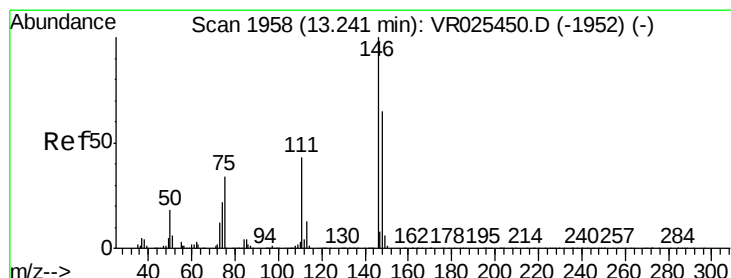
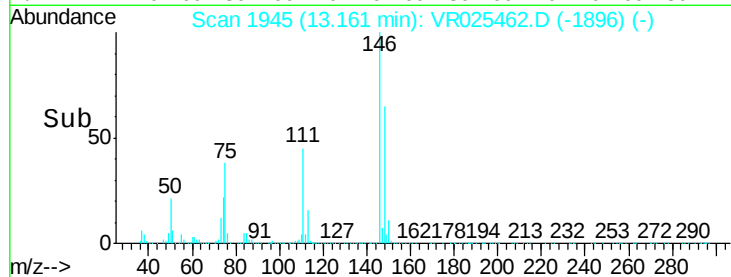
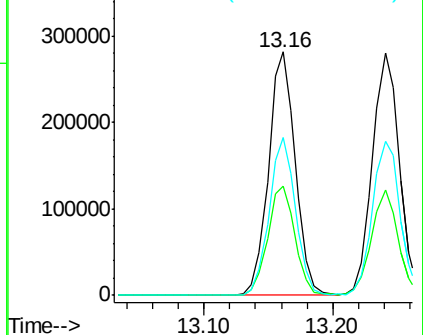
Tgt Ion:	146	Resp:	405816
Ion Ratio	Lower	Upper	
146	100		
111	44.6	31.0	57.6
148	64.8	44.8	83.2



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: 4.649 ug/L

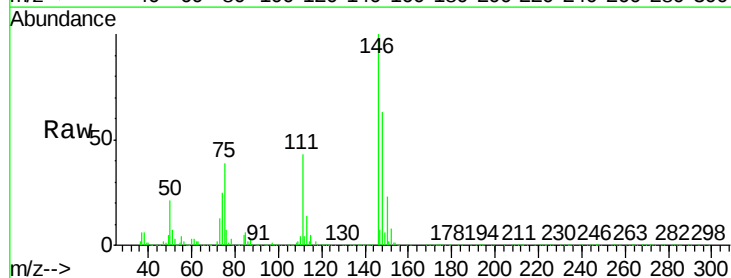
RT: 13.24 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

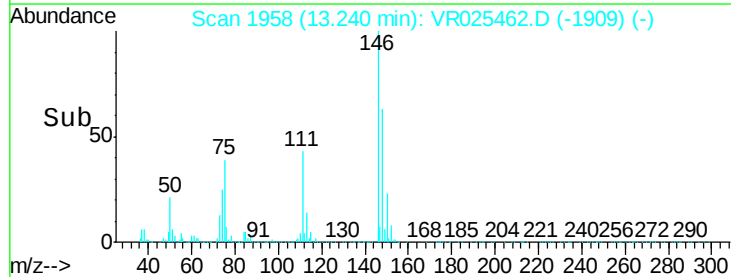
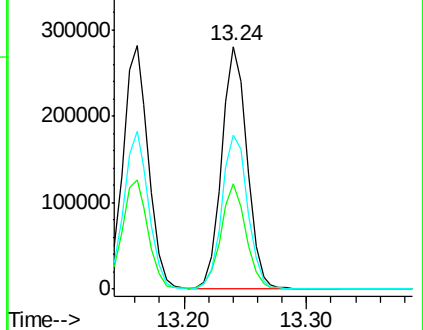
Tgt Ion:	146	Resp:	401765
Ion Ratio	Lower	Upper	
146	100		
111	43.2	30.5	56.7
148	63.4	42.8	79.4

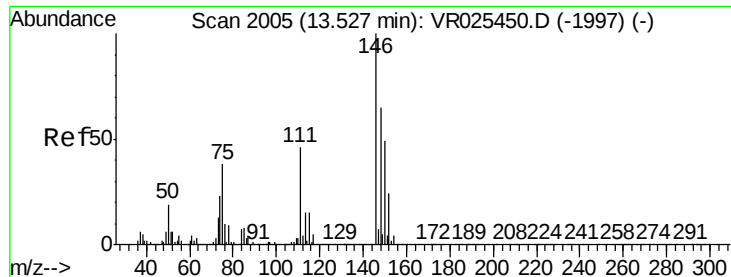


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

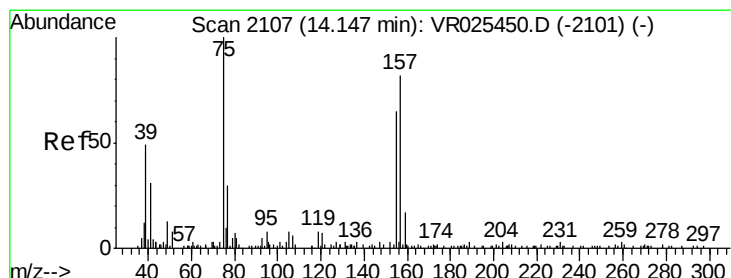
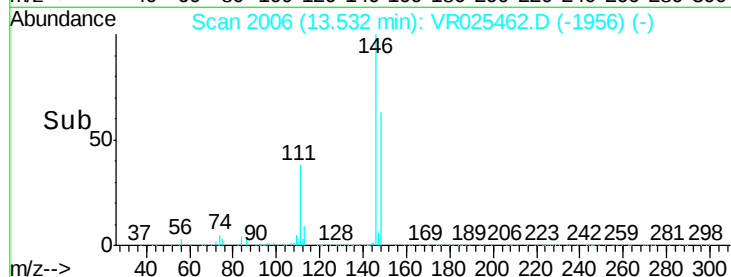
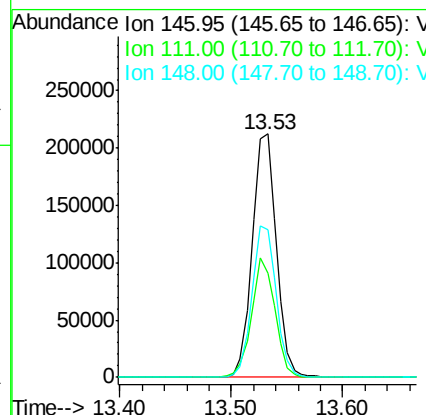
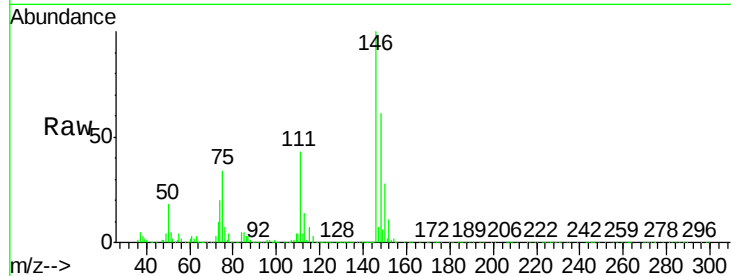




#65
 1,2-Dichlorobenzene
 Concen: 4.726 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

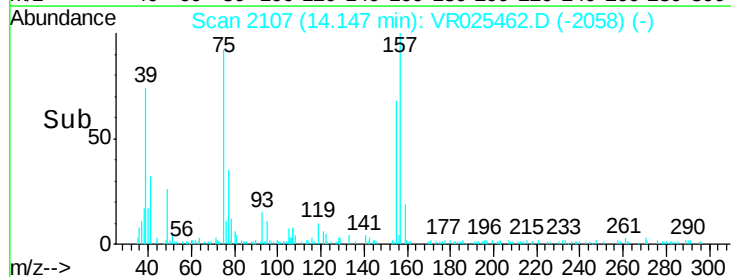
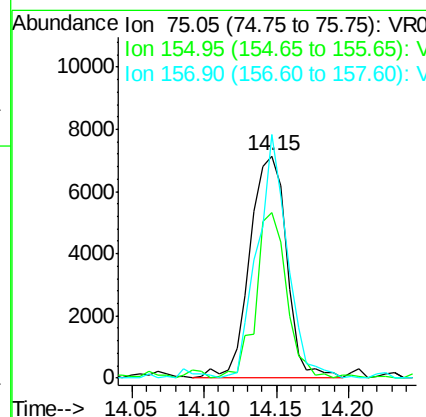
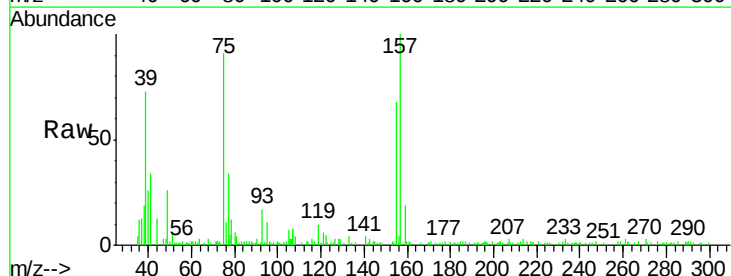
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00590

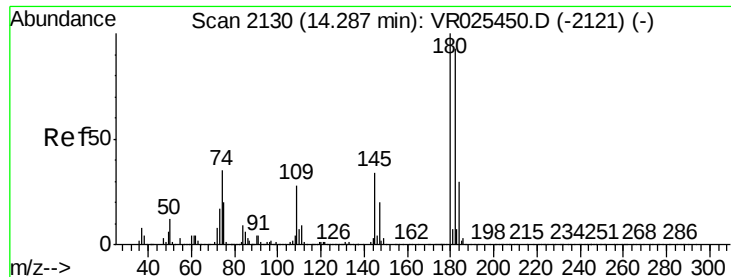
Tgt Ion: 146 Resp: 319677
 Ion Ratio Lower Upper
 146 100
 111 42.9 35.8 53.8
 148 60.8 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.193 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion: 75 Resp: 12547
 Ion Ratio Lower Upper
 75 100
 155 74.4 74.1 111.1
 157 109.6 71.0 106.6#

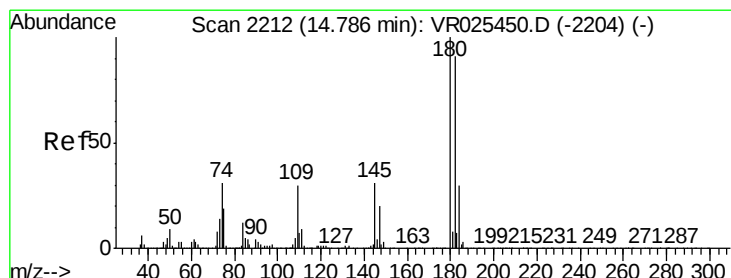
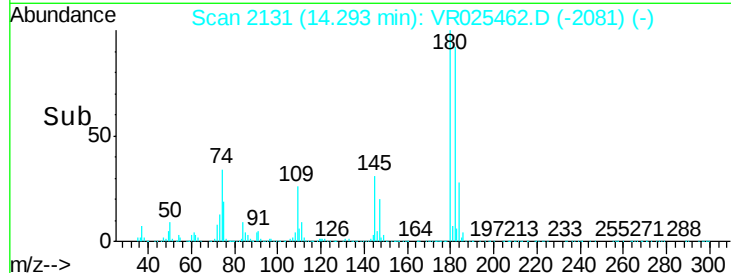
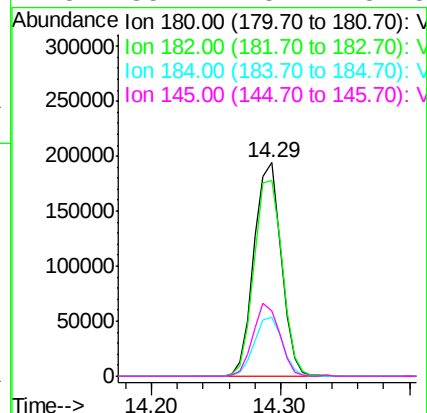
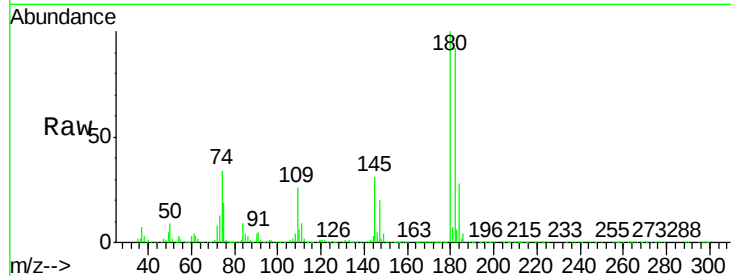




#67
 1,3,5-Trichlorobenzene
 Concen: 5.545 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

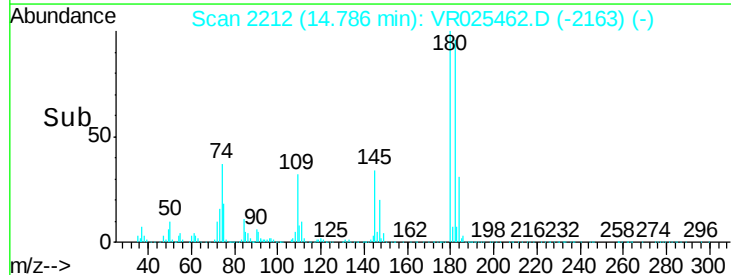
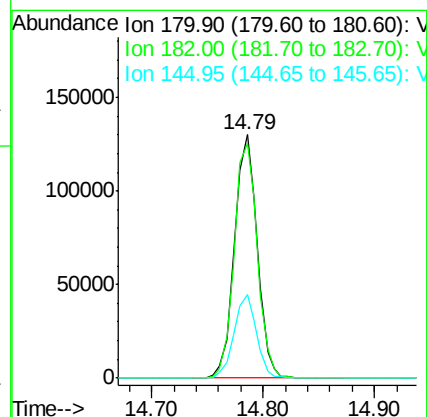
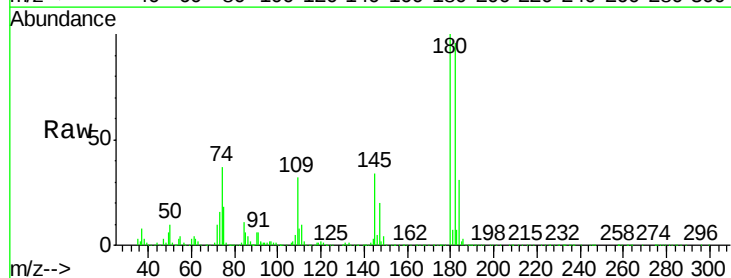
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

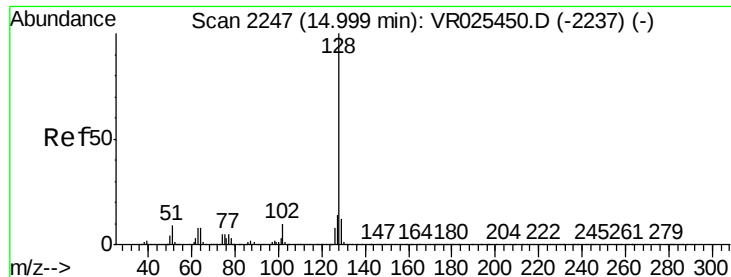
Tgt Ion:180 Resp: 281919
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 184 28.7 24.5 36.7
 145 33.2 25.2 37.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.249 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025462.D
 Acq: 13 Jul 2018 13:42

Tgt Ion:180 Resp: 183435
 Ion Ratio Lower Upper
 180 100
 182 97.8 75.0 112.4
 145 33.7 27.3 40.9





#69

Naphthalene

Concen: 5.258 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

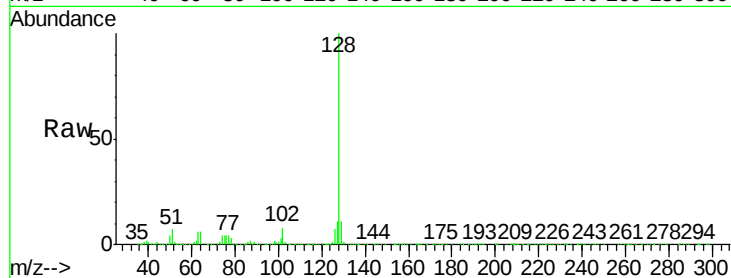
Tgt Ion:128 Resp: 235326

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

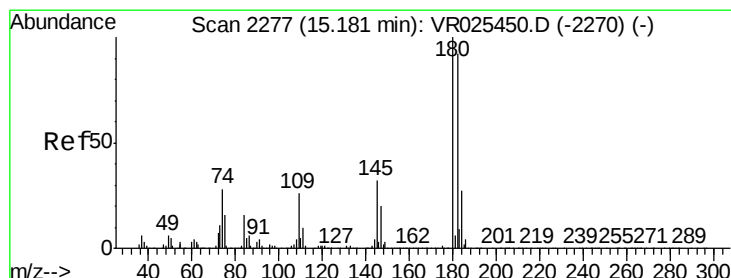
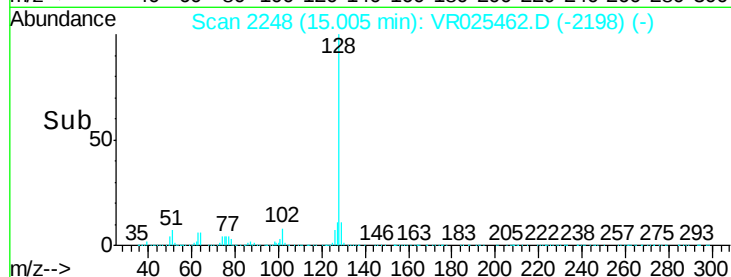
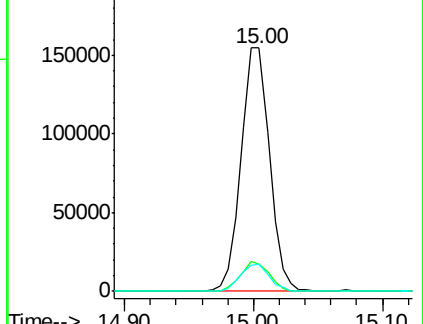
129 11.4 8.6 13.0



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: 5.383 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025462.D

Acq: 13 Jul 2018 13:42

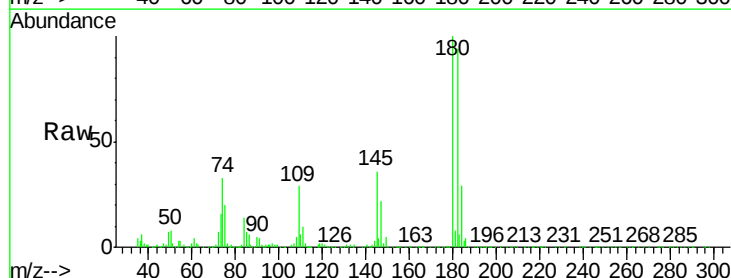
Tgt Ion:180 Resp: 145110

Ion Ratio Lower Upper

180 100

182 92.3 75.2 112.8

145 35.9 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

