

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071218\
 Data File : VR025450.D
 Acq On : 12 Jul 2018 10:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Quant Time: Jul 13 00:29:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 05 15:29:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	877015	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	673784	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	260233	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	100759	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	2.64	69	82867	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	3.64	63	315312	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	6.59	46	354546	47.21	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.42%
24) Chloroform-d	7.20	84	541578	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	7.89	65	198690	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	7.85	84	1157211	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	8.90	67	312471	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	9.97	98	998055	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	10.23	79	91252	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	10.59	63	280311	50.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.10%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	123388	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	208482	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	239099	4.826 ug/L	98
3) Chloromethane	2.01	50	117358	3.995 ug/L	100
5) Vinyl chloride	2.15	62	114533	4.340 ug/L	97
6) Bromomethane	2.53	94	57572	3.707 ug/L	88
8) Chloroethane	2.66	64	67479	4.107 ug/L	94
9) Trichlorofluoromethane	2.93	101	63961	1.483 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	121744	4.638 ug/L	99
12) 1,1-Dichloroethene	3.66	96	117748	4.491 ug/L	95
13) Acetone	3.70	43	131296	38.806 ug/L	98
14) Carbon disulfide	3.96	76	264807	4.438 ug/L	98
15) Methyl Acetate	4.19	43	27921	3.688 ug/L #	79
16) Methylene chloride	4.40	84	63816	2.485 ug/L	85
17) Methyl tert-butyl Ether	4.89	73	394164	4.613 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	310801	4.765 ug/L	95
19) 1,1-Dichloroethane	5.69	63	518921	4.638 ug/L	99
21) 2-Butanone	6.69	43	316055	40.102 ug/L	95
22) cis-1,2-Dichloroethene	6.66	96	289321	4.834 ug/L	99

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 Data File : VR025450.D
 Acq On : 12 Jul 2018 10:52
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 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD00588

Quant Time: Jul 13 00:29:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

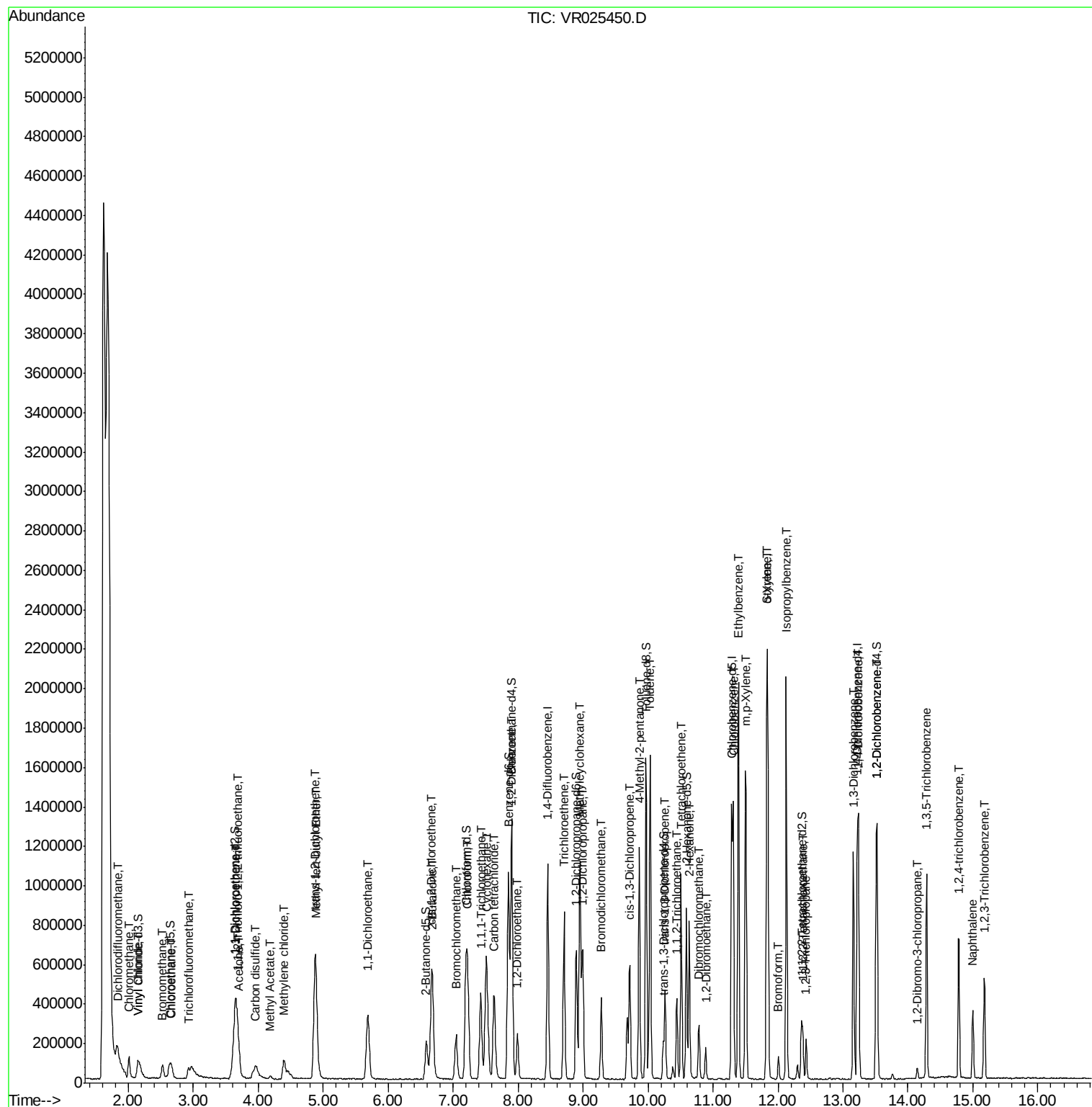
23) Bromochloromethane	7.05	128	85546	4.439	ug/L	95
25) Chloroform	7.22	83	475100	4.420	ug/L	100
27) 1,2-Dichloroethane	7.99	62	207466	4.306	ug/L #	92
29) 1,1,1-Trichloroethane	7.42	97	364891	5.324	ug/L	98
30) Cyclohexane	7.51	56	446370	6.071	ug/L	94
31) Carbon tetrachloride	7.63	117	353962	5.838	ug/L	99
33) Benzene	7.90	78	1137493	4.898	ug/L	100
34) Trichloroethene	8.71	95	301325	5.096	ug/L	93
35) Methylcyclohexane	8.95	83	463319	5.861	ug/L	97
37) 1,2-Dichloropropane	8.99	63	245014	4.539	ug/L	99
38) Bromodichloromethane	9.28	83	257810	4.686	ug/L #	99
39) cis-1,3-Dichloropropene	9.72	75	320290	5.276	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	724460	46.307	ug/L	95
42) Toluene	10.03	91	1154862	5.113	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	228607	5.128	ug/L	93
45) 1,1,2-Trichloroethane	10.44	97	113826	4.303	ug/L	94
47) Tetrachloroethene	10.51	164	207751	5.381	ug/L	94
48) 2-Hexanone	10.63	43	473314	43.981	ug/L	99
49) Dibromochloromethane	10.78	129	130904	4.747	ug/L	99
50) 1,2-Dibromoethane	10.89	107	94298	4.401	ug/L #	97
51) Chlorobenzene	11.31	112	646461	4.701	ug/L	97
52) Ethylbenzene	11.39	91	1271884	5.252	ug/L	100
53) m,p-Xylene	11.50	106	487058	5.360	ug/L	92
54) o-Xylene	11.83	106	432616	5.527	ug/L	99
55) Styrene	11.84	104	662611	5.145	ug/L	97
56) Isopropylbenzene	12.13	105	1196254	5.771	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	106731	4.097	ug/L #	95
59) 1,2,3-Trichloropropane	12.43	75	80204	4.276	ug/L	97
61) Bromoform	12.01	173	47703	4.501	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	409881	5.375	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	396944	4.689	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	313098	4.725	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	12269	4.186	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	268943	5.401	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	186655	5.453	ug/L	99
69) Naphthalene	15.00	128	240445	5.485	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	141246	5.350	ug/L	99

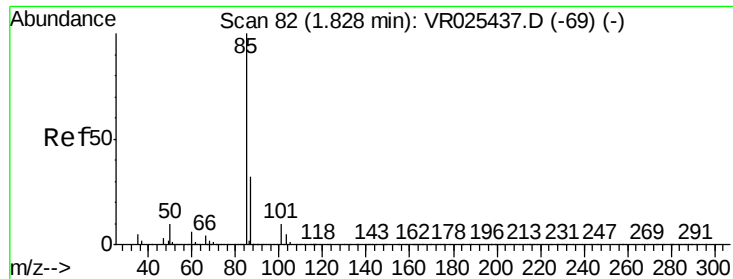
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Data File : VR025450.D
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Misc : 25mL/MSVOA_R/WATER
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Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

Quant Time: Jul 13 00:29:48 2018
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#2

Dichlorodifluoromethane

Concen: 4.826 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

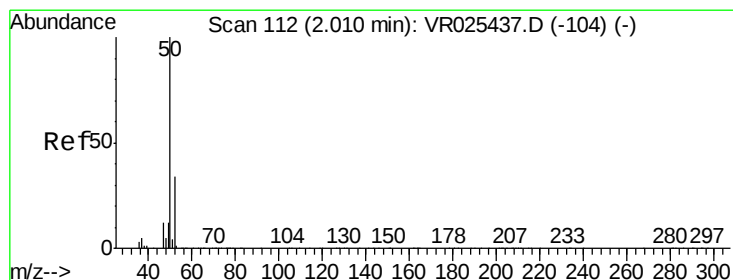
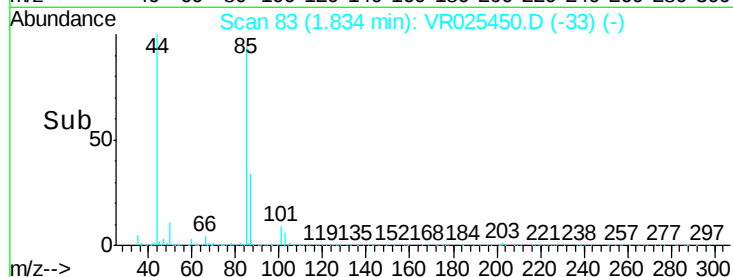
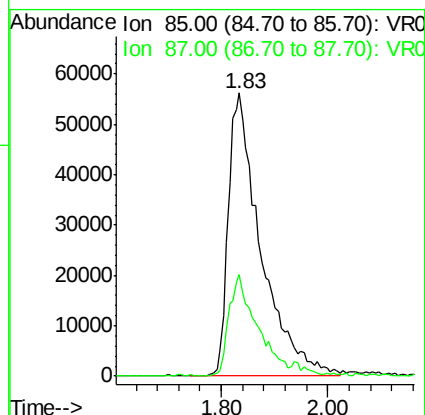
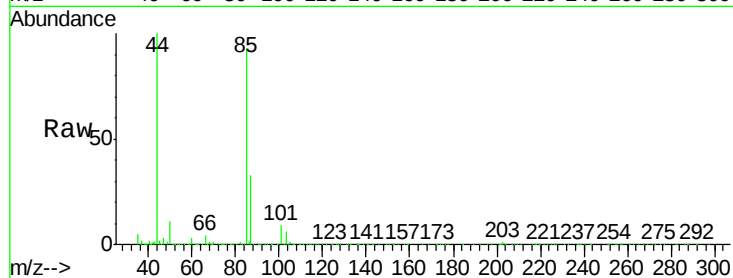
VSTD00588

Tgt Ion: 85 Resp: 239099

Ion Ratio Lower Upper

85 100

87 30.8 25.4 38.0



#3

Chloromethane

Concen: 3.995 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025450.D

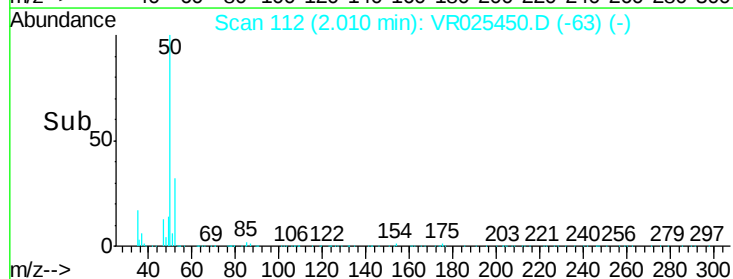
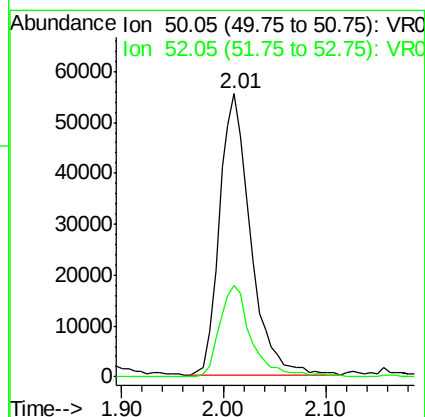
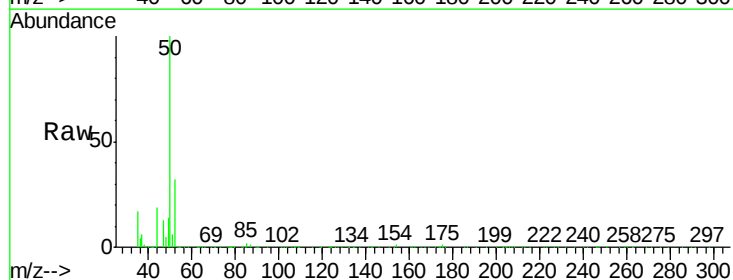
Acq: 12 Jul 2018 10:52

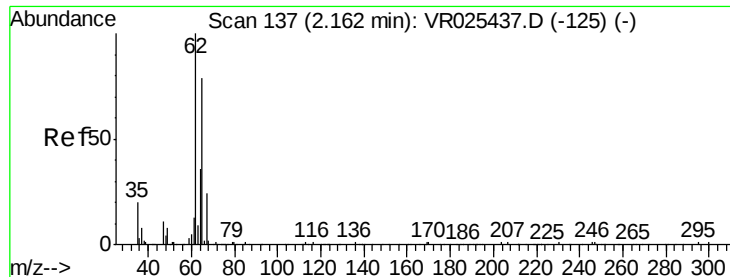
Tgt Ion: 50 Resp: 117358

Ion Ratio Lower Upper

50 100

52 32.4 22.8 42.4





#5

Vinyl chloride

Concen: 4.340 ug/L

RT: 2.15 min Scan# 135

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

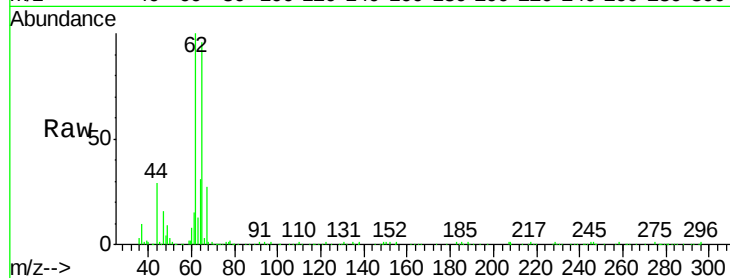
VSTD00588

Tgt Ion: 62 Resp: 114533

Ion Ratio Lower Upper

62 100

64 30.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.15

30000

25000

20000

15000

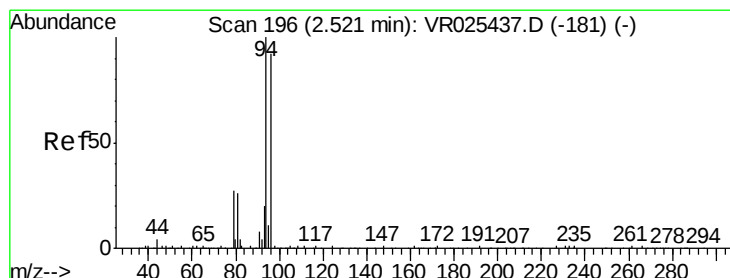
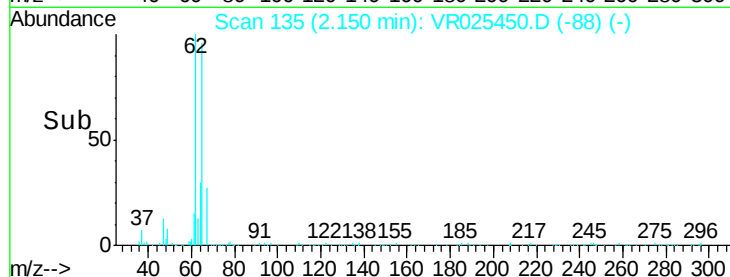
10000

5000

0

Time-->

2.00 2.10 2.20 2.30 2.40



#6

Bromomethane

Concen: 3.707 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.01 min

Lab File: VR025450.D

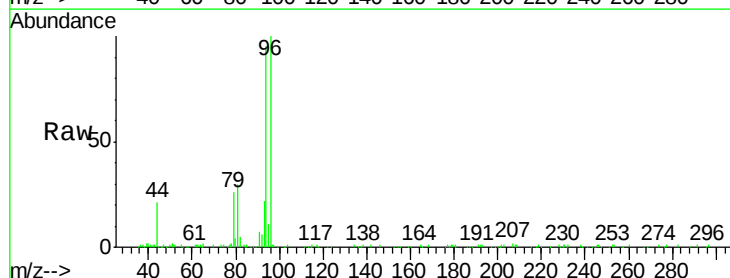
Acq: 12 Jul 2018 10:52

Tgt Ion: 94 Resp: 57572

Ion Ratio Lower Upper

94 100

96 105.6 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.53

25000

20000

15000

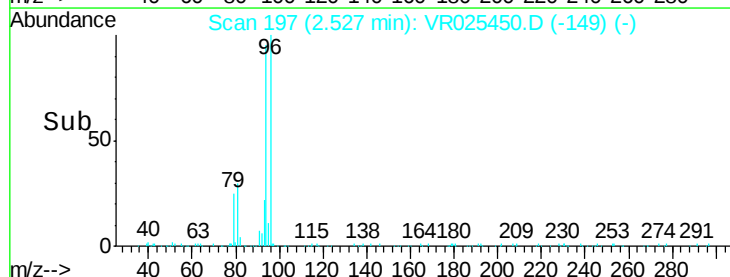
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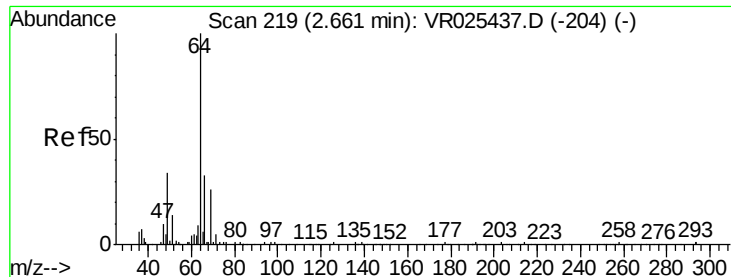
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0

Time-->

2.40 2.50 2.60





#8

Chloroethane

Concen: 4.107 ug/L

RT: 2.66 min Scan# 219

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

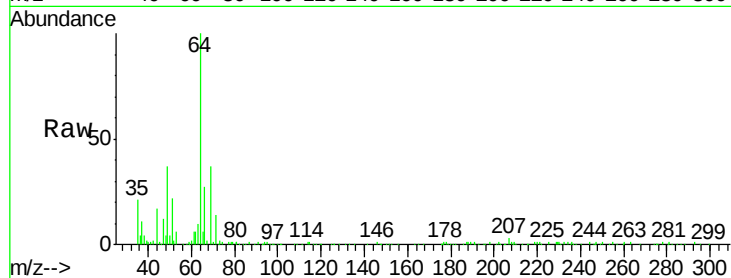
VSTD00588

Tgt Ion: 64 Resp: 67479

Ion Ratio Lower Upper

64 100

66 27.0 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

25000

20000

15000

10000

5000

0

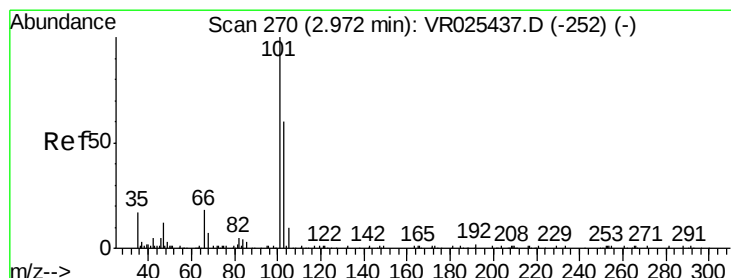
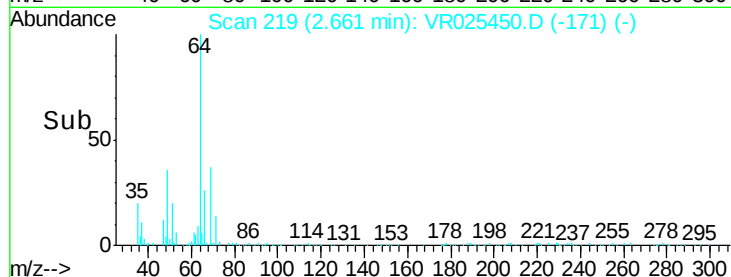
Time-->

2.50

2.60

2.70

2.80



#9

Trichlorofluoromethane

Concen: 1.483 ug/L

RT: 2.93 min Scan# 263

Delta R.T. -0.05 min

Lab File: VR025450.D

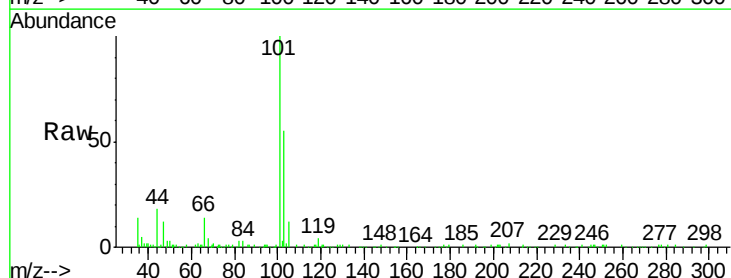
Acq: 12 Jul 2018 10:52

Tgt Ion: 101 Resp: 63961

Ion Ratio Lower Upper

101 100

103 55.4 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

25000

20000

15000

10000

5000

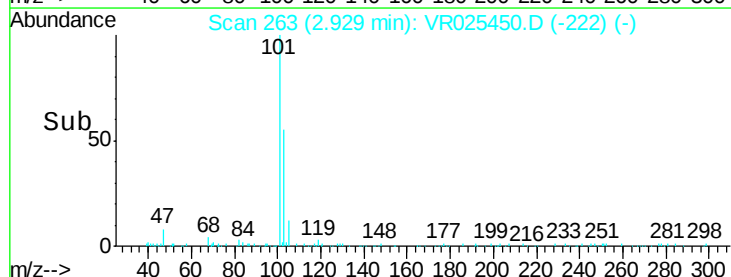
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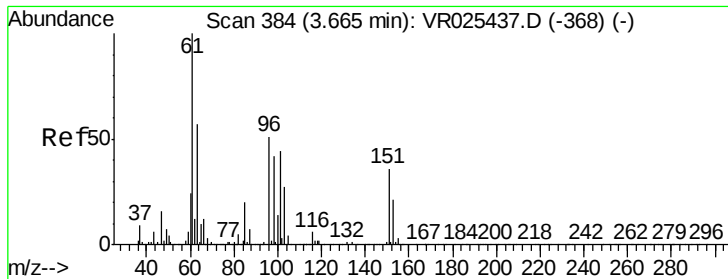
Time-->

2.85

2.90

2.95





#10

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

Concen: 4.638 ug/L

RT: 3.68 min Scan# 387

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

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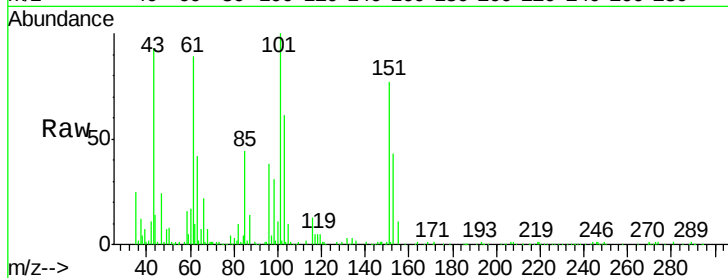
Tgt Ion: 101 Resp: 121744

Ion Ratio Lower Upper

101 100

85 48.2 39.1 58.7

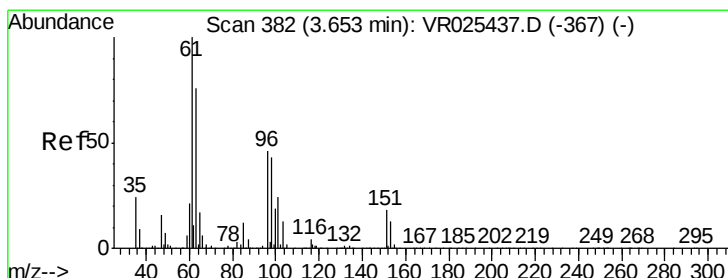
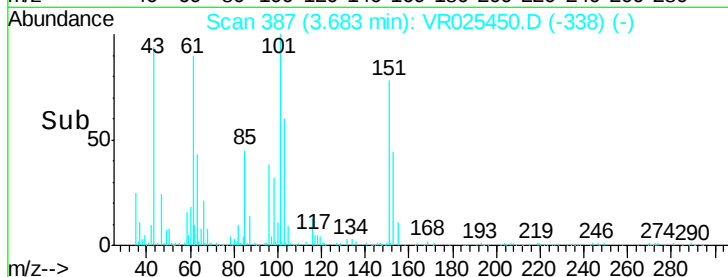
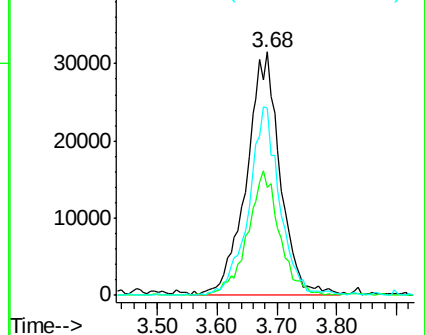
151 72.0 57.5 86.3



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: 4.491 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

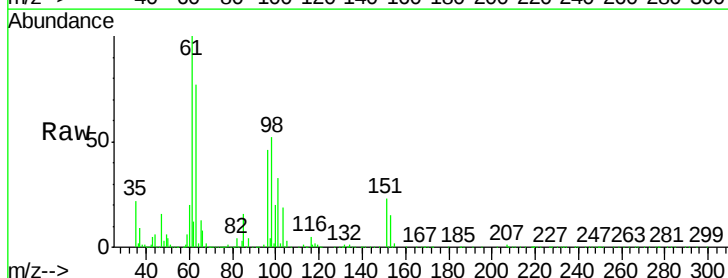
Tgt Ion: 96 Resp: 117748

Ion Ratio Lower Upper

96 100

61 216.1 155.0 287.9

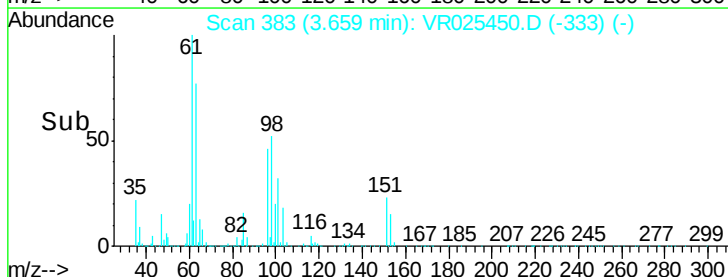
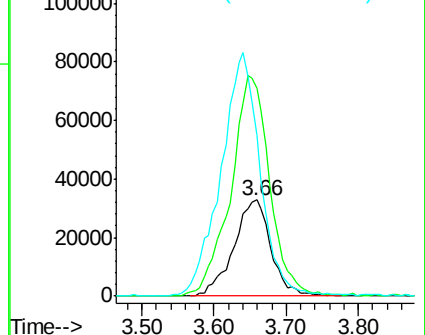
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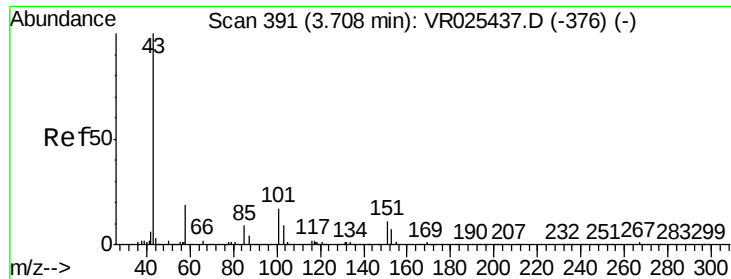


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 38.806 ug/L

RT: 3.70 min Scan# 390

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

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ClientSampleId :

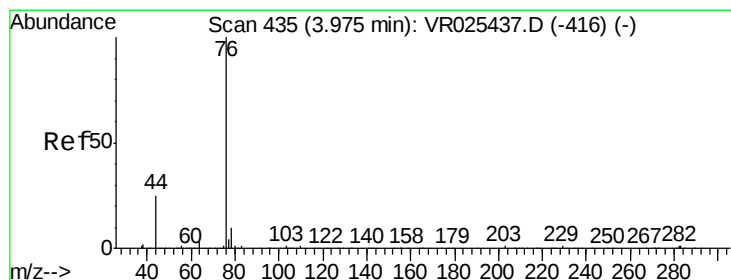
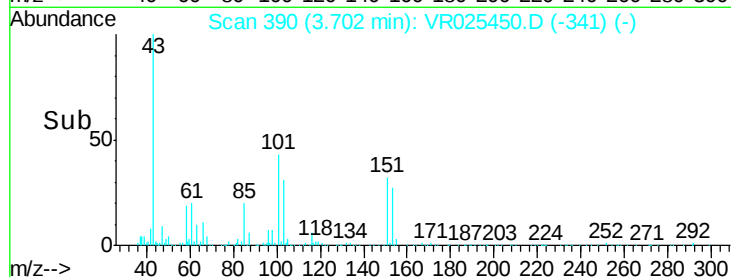
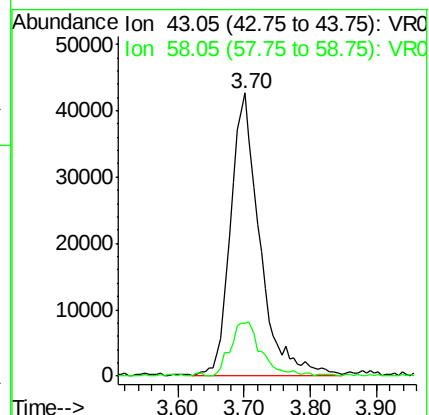
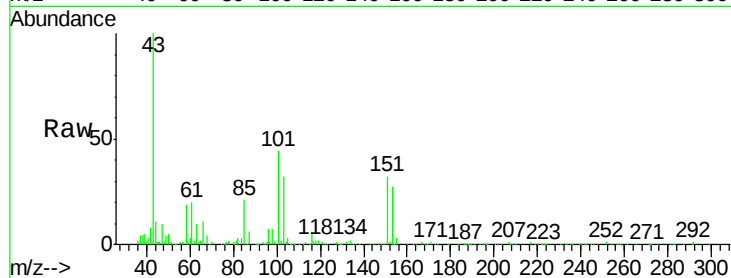
VSTD00588

Tgt Ion: 43 Resp: 131296

Ion Ratio Lower Upper

43 100

58 19.7 0.0 41.6



#14

Carbon disulfide

Concen: 4.438 ug/L

RT: 3.96 min Scan# 433

Delta R.T. -0.01 min

Lab File: VR025450.D

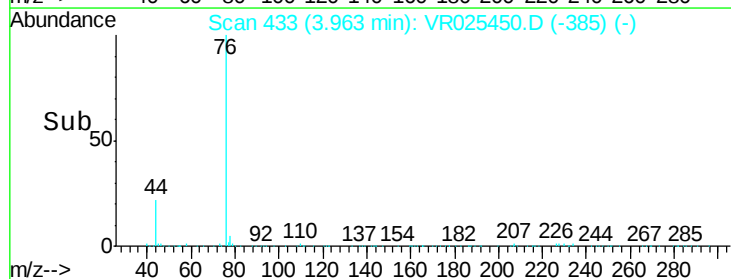
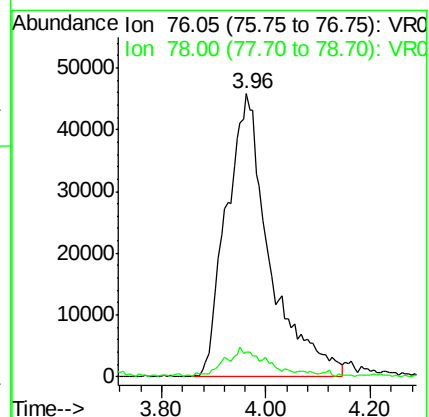
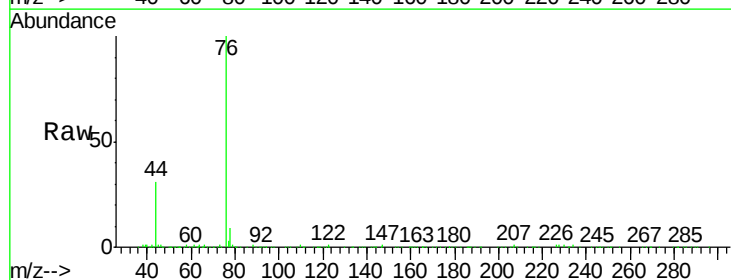
Acq: 12 Jul 2018 10:52

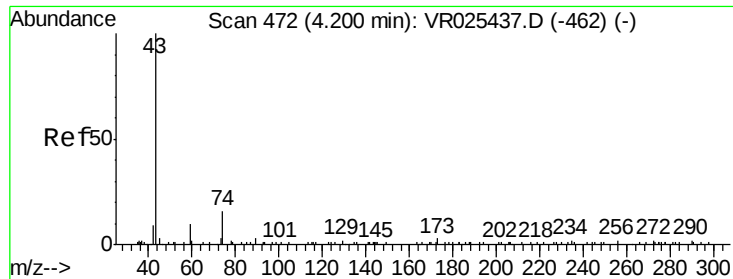
Tgt Ion: 76 Resp: 264807

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2

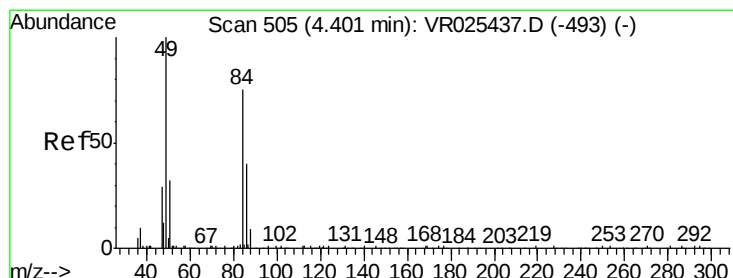
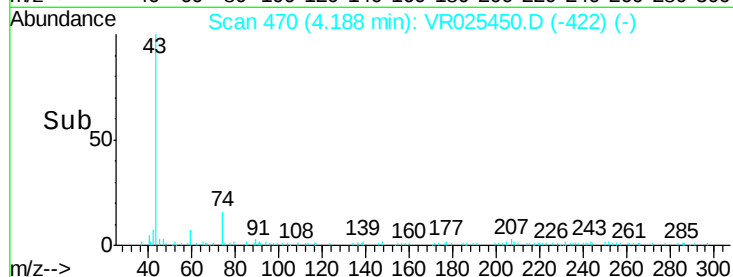
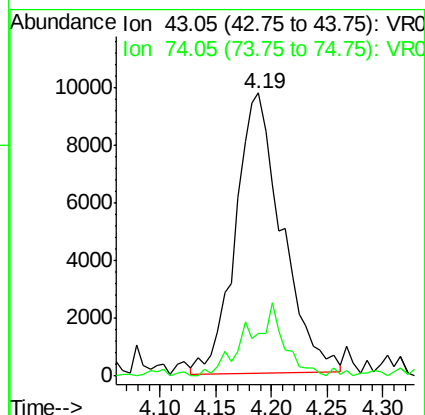
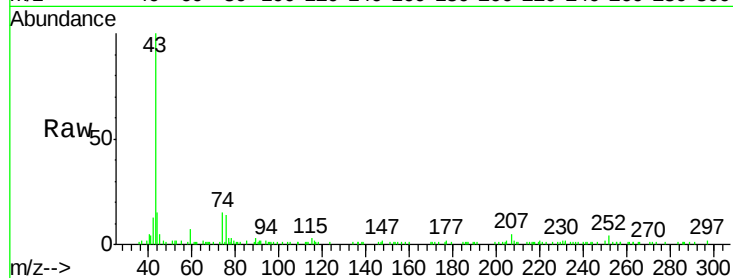




#15
Methyl Acetate
Concen: 3.688 ug/L
RT: 4.19 min Scan# 470
Delta R.T. -0.01 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

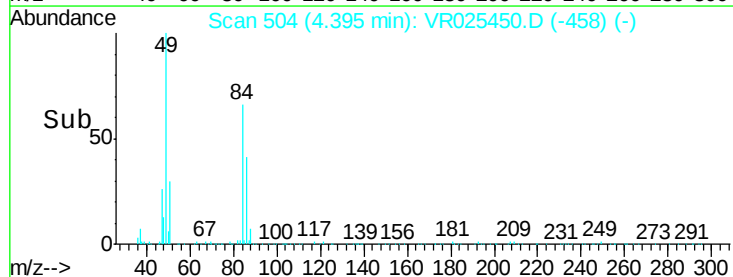
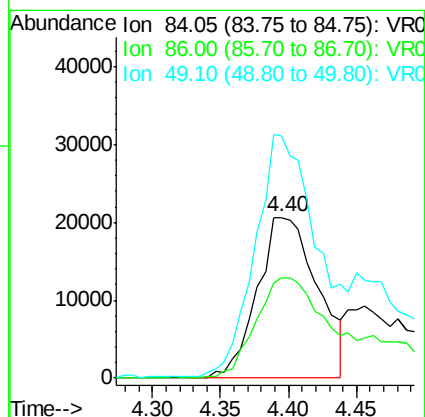
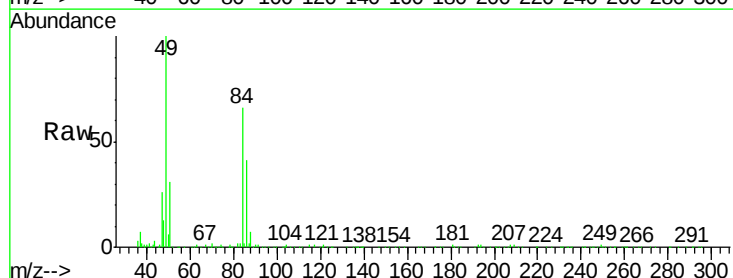
Instrument :
MSVOA_R
ClientSampled :
VSTD00588

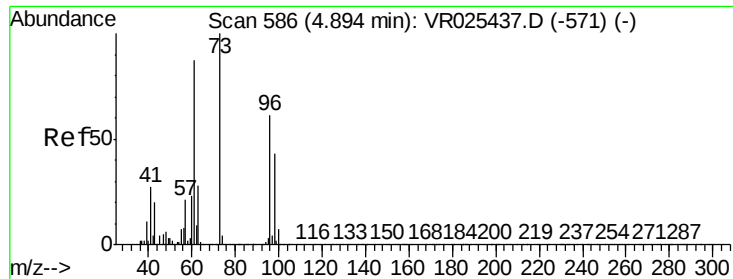
Tgt Ion: 43 Resp: 27921
Ion Ratio Lower Upper
43 100
74 11.0 16.7 25.1#



#16
Methylene chloride
Concen: 2.485 ug/L
RT: 4.40 min Scan# 504
Delta R.T. -0.02 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

Tgt Ion: 84 Resp: 63816
Ion Ratio Lower Upper
84 100
86 62.1 43.7 81.1
49 150.7 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 4.613 ug/L

RT: 4.89 min Scan# 586

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampled :

VSTD00588

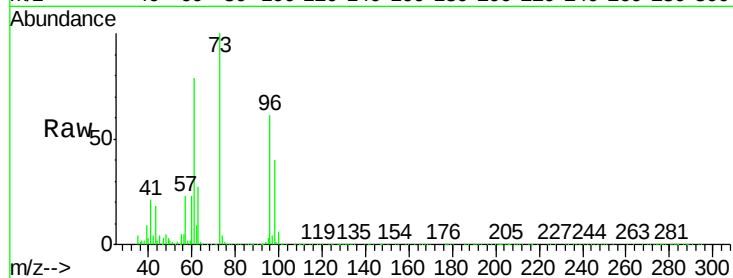
Tgt Ion: 73 Resp: 394164

Ion Ratio Lower Upper

73 100

43 18.7 15.8 23.6

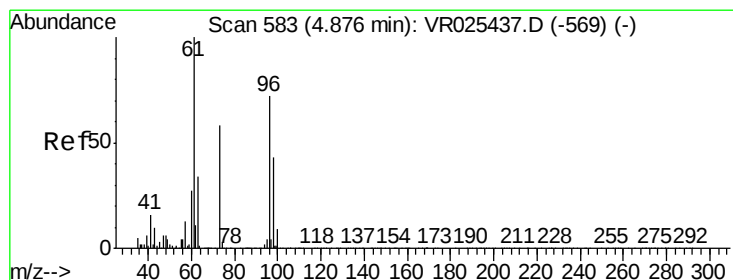
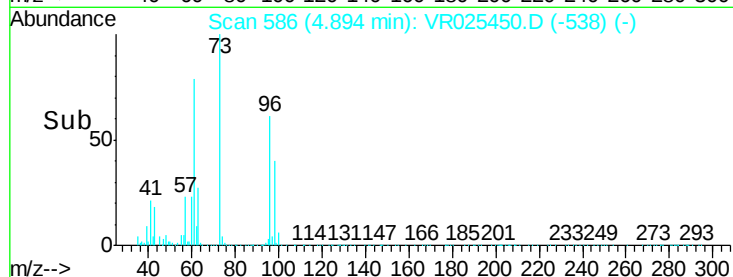
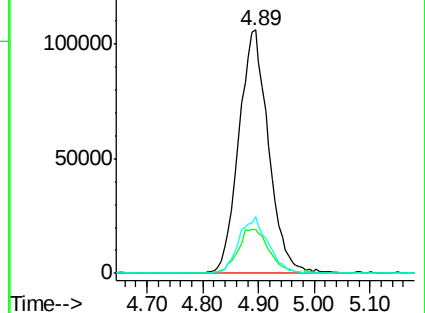
57 22.8 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.765 ug/L

RT: 4.88 min Scan# 583

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

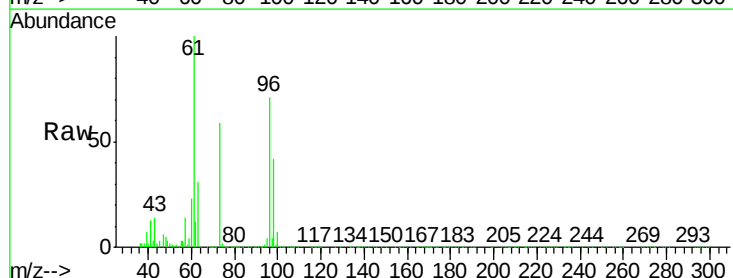
Tgt Ion: 96 Resp: 310801

Ion Ratio Lower Upper

96 100

61 141.0 104.4 193.8

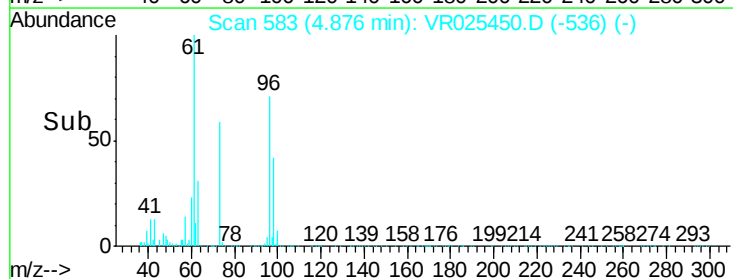
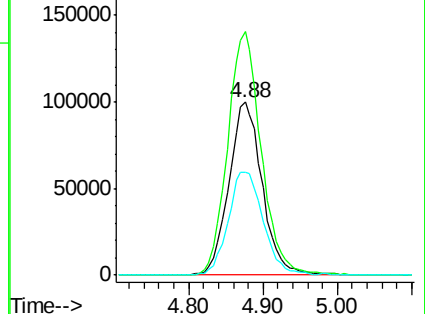
98 59.4 43.1 80.1

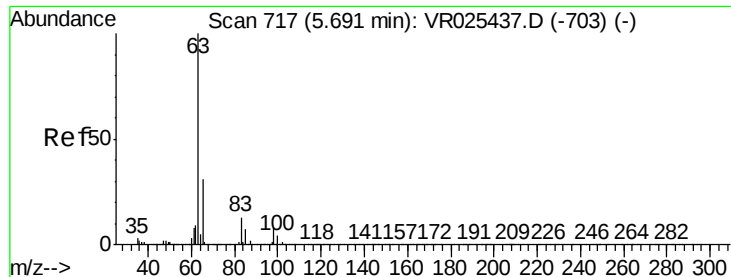


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

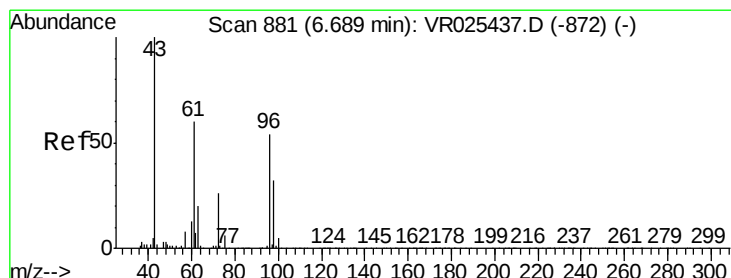
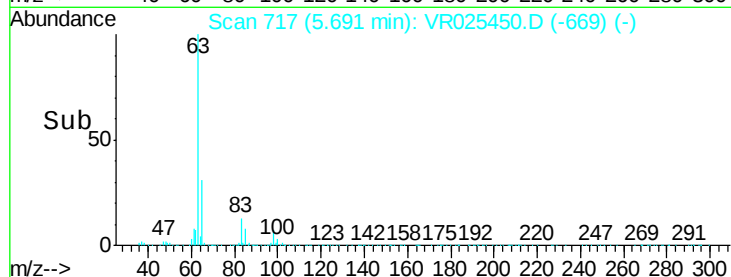
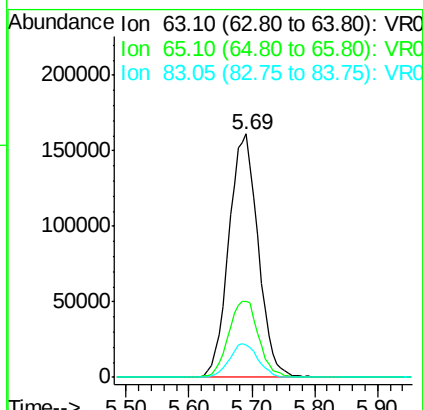
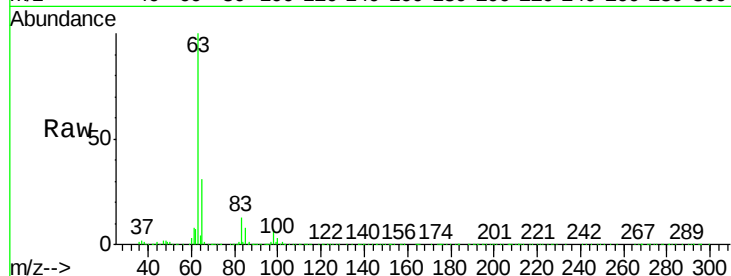




#19
 1,1-Dichloroethane
 Concen: 4.638 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

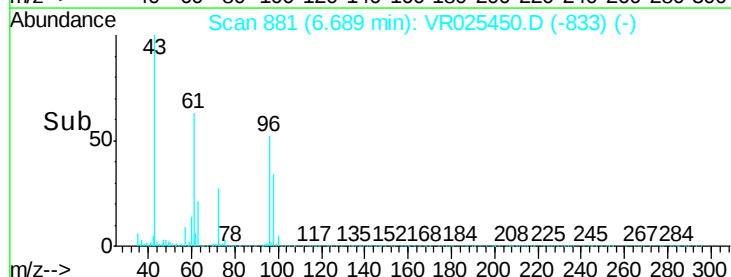
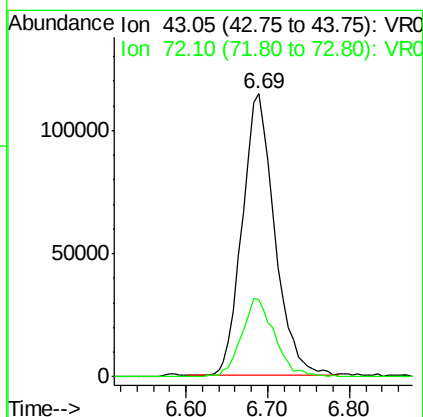
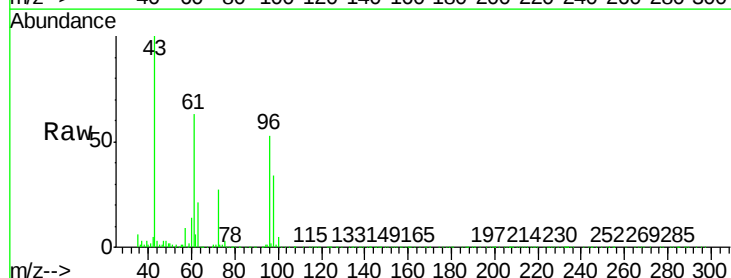
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

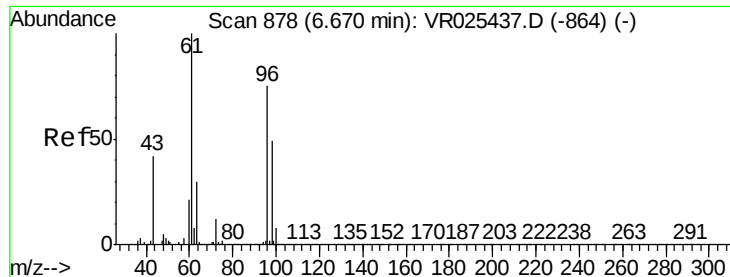
Tgt Ion:	63	Resp:	518921
Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.5	41.7
83	13.1	9.5	17.7



#21
 2-Butanone
 Concen: 40.102 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

Tgt Ion:	43	Resp:	316055
Ion	Ratio	Lower	Upper
43	100		
72	28.4	13.0	38.9



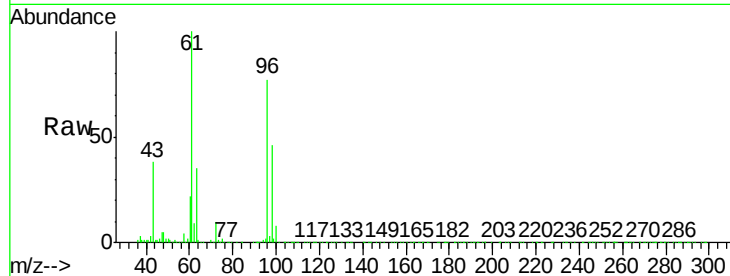


#22

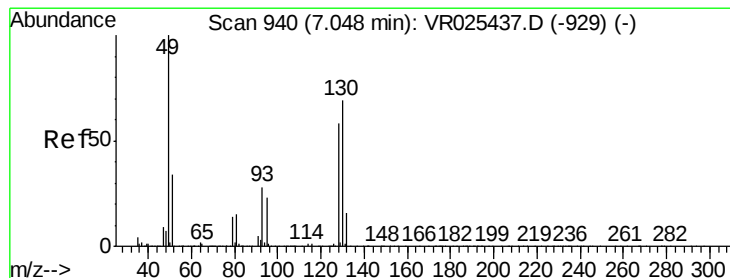
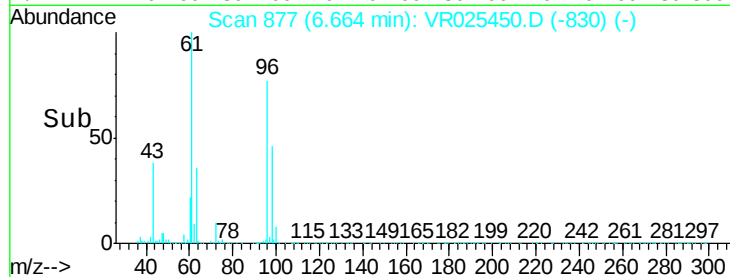
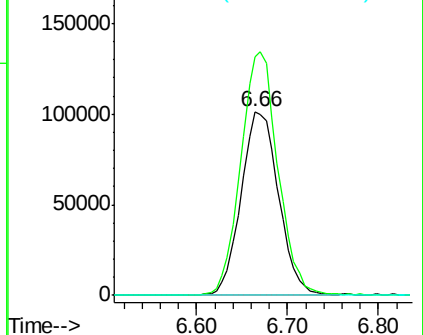
cis-1,2-Dichloroethene
Concen: 4.834 ug/L
RT: 6.66 min Scan# 877
Delta R.T. -0.01 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

Tgt Ion: 96 Resp: 289321
Ion Ratio Lower Upper
96 100
61 129.3 91.0 169.0
68 0.0 0.0 0.0



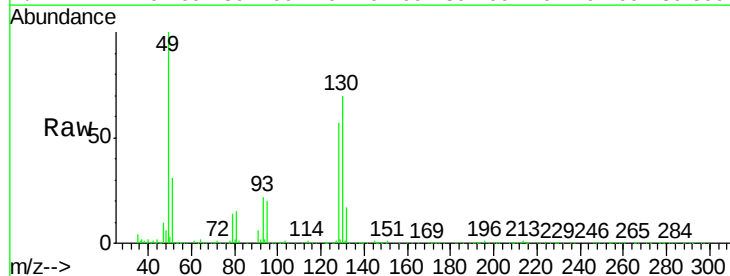
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



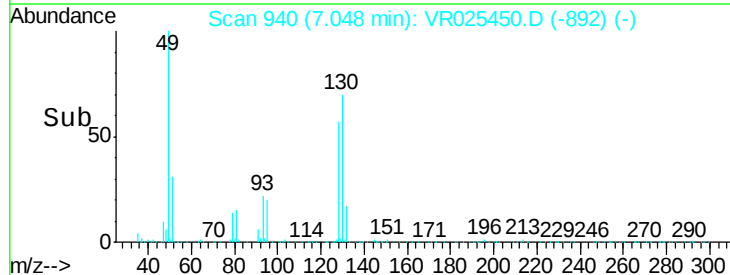
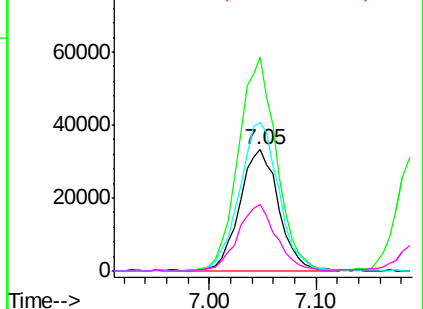
#23

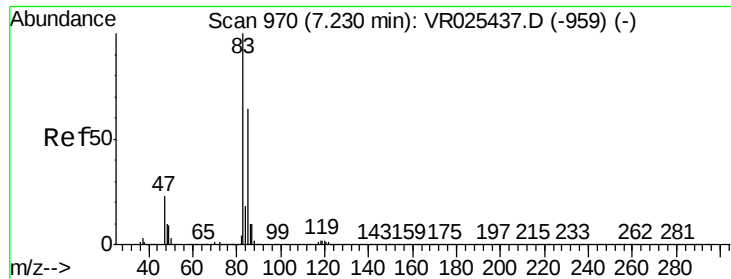
Bromochloromethane
Concen: 4.439 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.01 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

Tgt Ion: 128 Resp: 85546
Ion Ratio Lower Upper
128 100
49 176.1 128.7 238.9
130 122.5 87.2 161.9
51 54.4 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

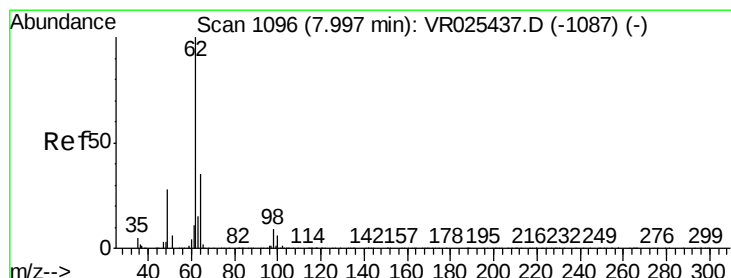
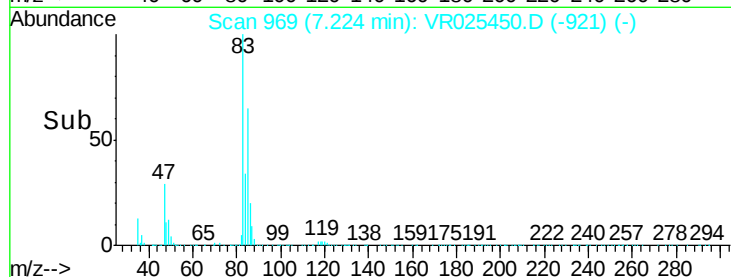
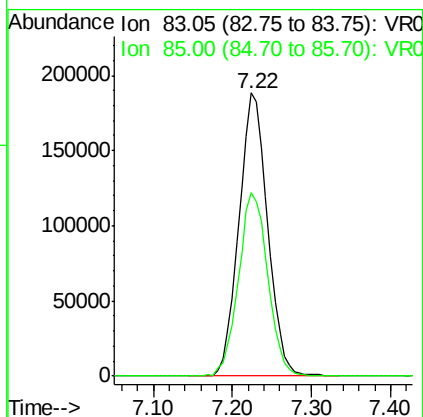
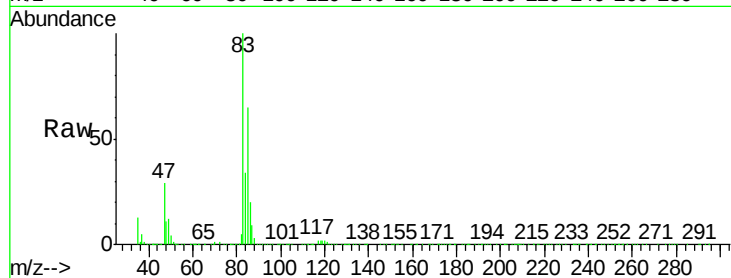




#25
Chloroform
Concen: 4.420 ug/L
RT: 7.22 min Scan# 969
Delta R.T. -0.01 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

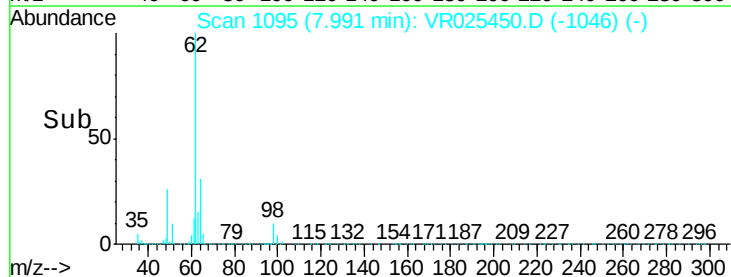
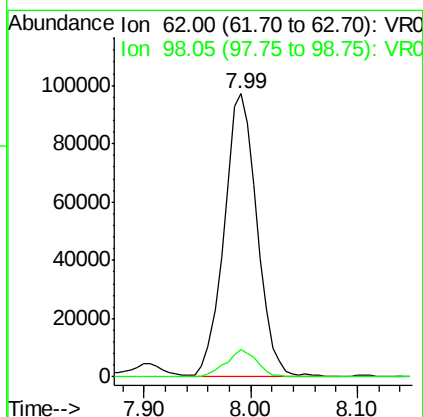
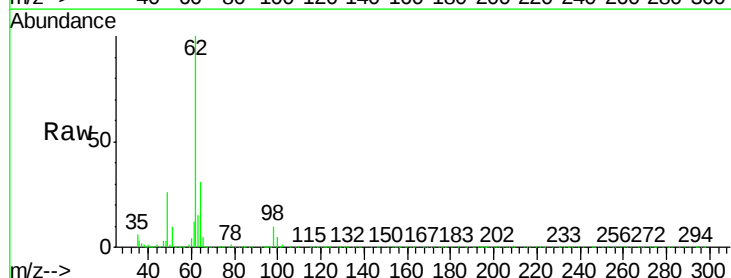
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

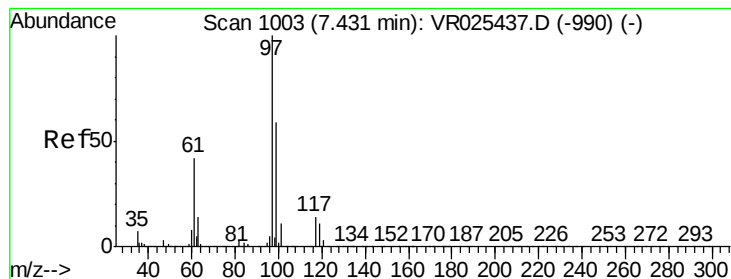
Tgt Ion: 83 Resp: 475100
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.306 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

Tgt Ion: 62 Resp: 207466
Ion Ratio Lower Upper
62 100
98 9.6 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 5.324 ug/L

RT: 7.42 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

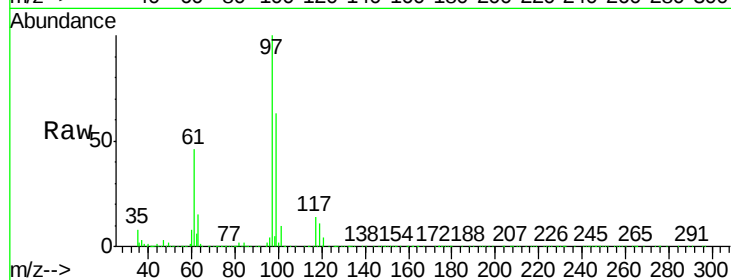
Tgt Ion: 97 Resp: 364891

Ion Ratio Lower Upper

97 100

99 64.8 52.1 78.1

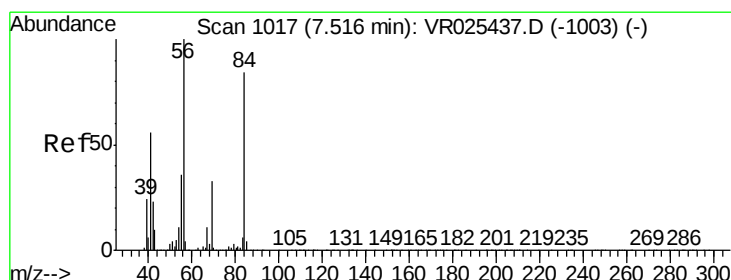
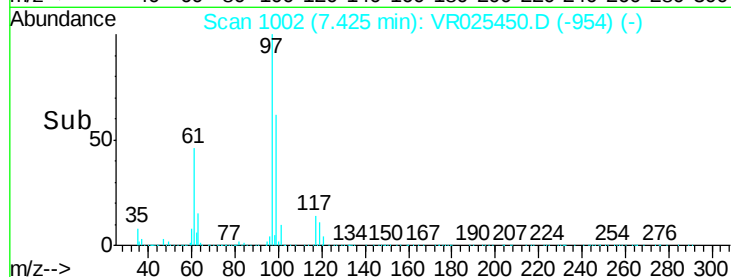
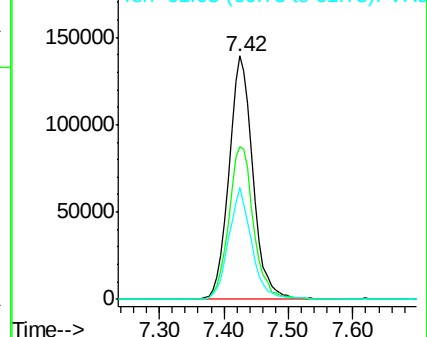
61 44.0 37.0 55.6



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: 6.071 ug/L

RT: 7.51 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

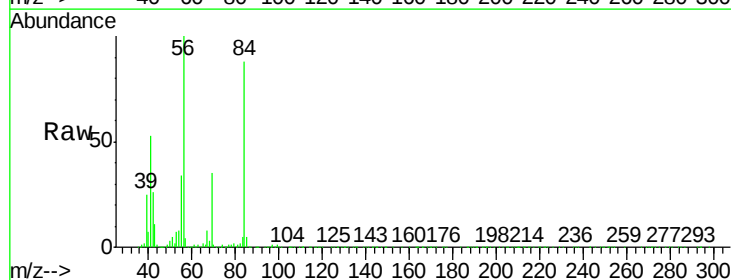
Tgt Ion: 56 Resp: 446370

Ion Ratio Lower Upper

56 100

69 30.9 23.7 35.5

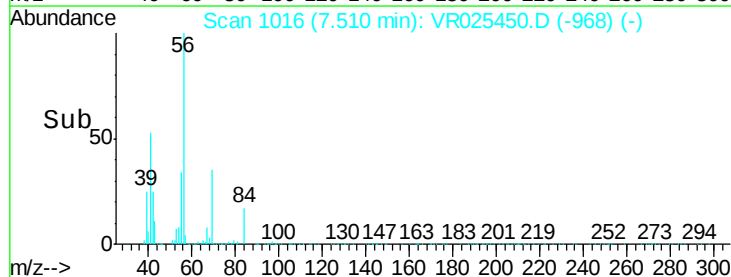
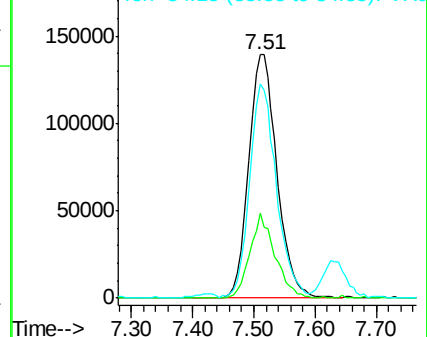
84 84.1 62.6 93.8

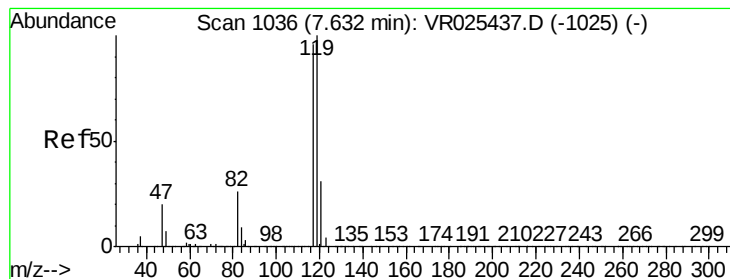


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.838 ug/L

RT: 7.63 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

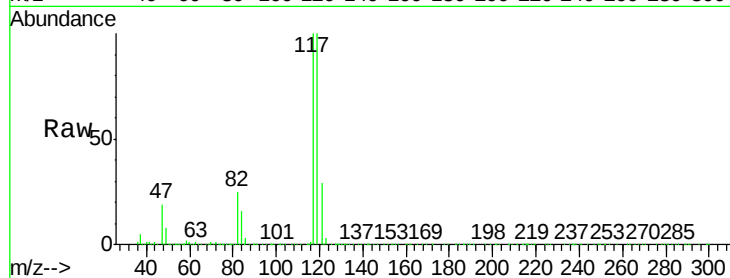
VSTD00588

Tgt Ion:117 Resp: 353962

Ion Ratio Lower Upper

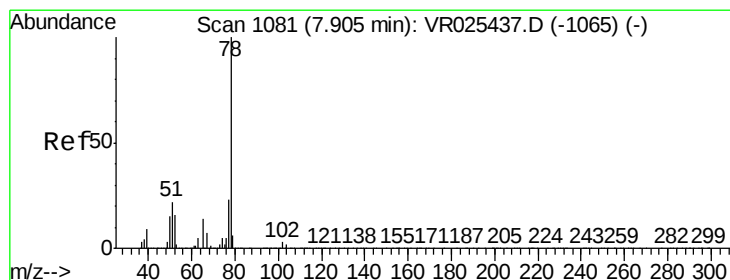
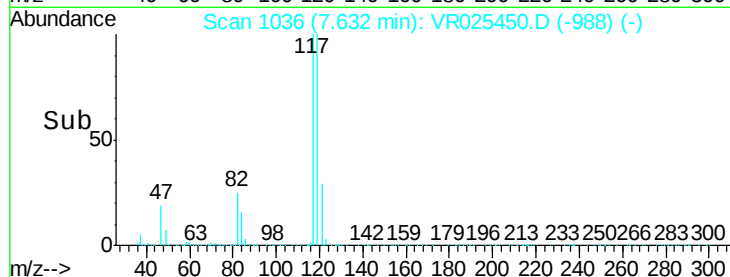
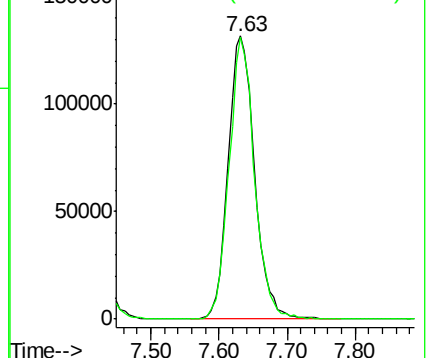
117 100

119 95.6 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.898 ug/L

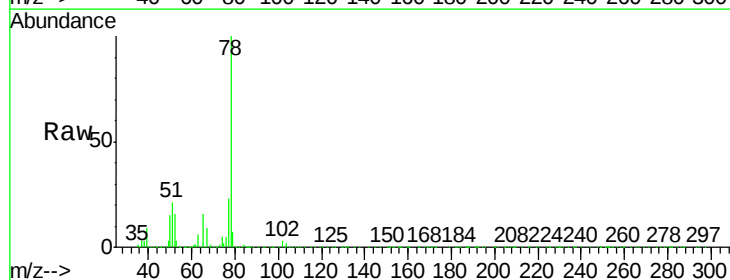
RT: 7.90 min Scan# 1080

Delta R.T. -0.01 min

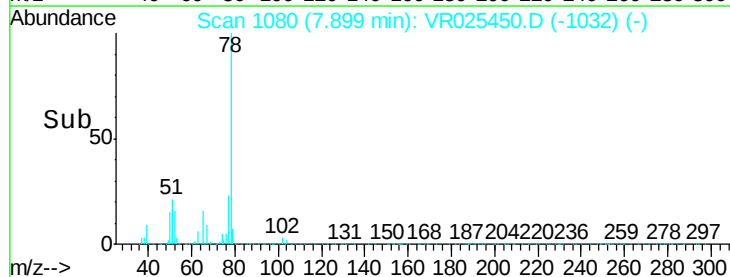
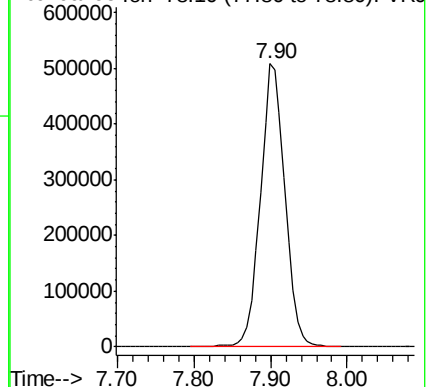
Lab File: VR025450.D

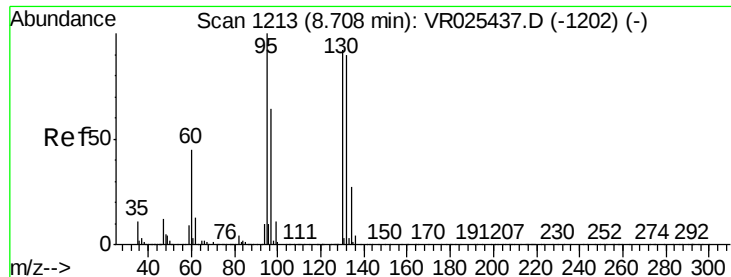
Acq: 12 Jul 2018 10:52

Tgt Ion: 78 Resp: 1137493



Abundance Ion 78.10 (77.80 to 78.80): VR0

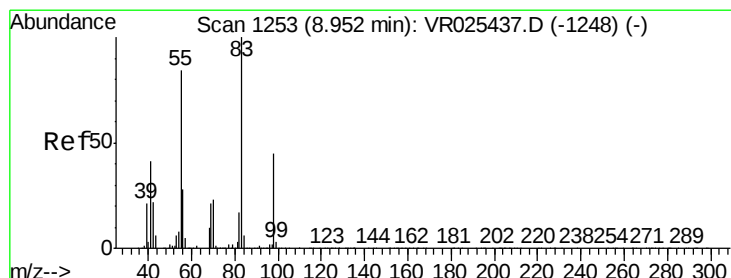
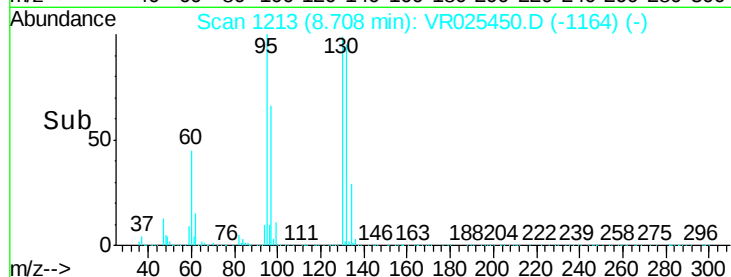
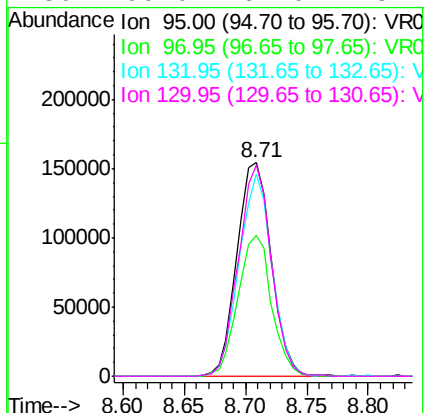
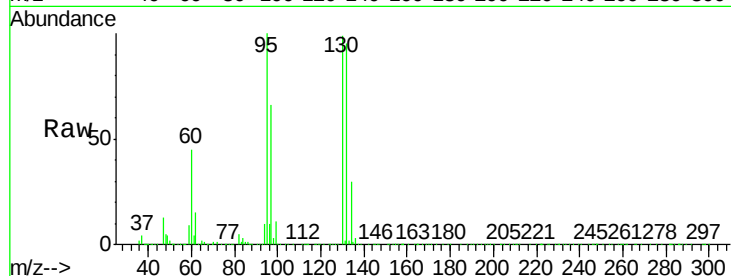




#34
 Trichloroethene
 Concen: 5.096 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

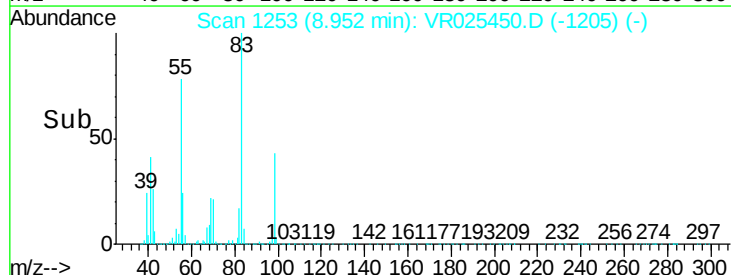
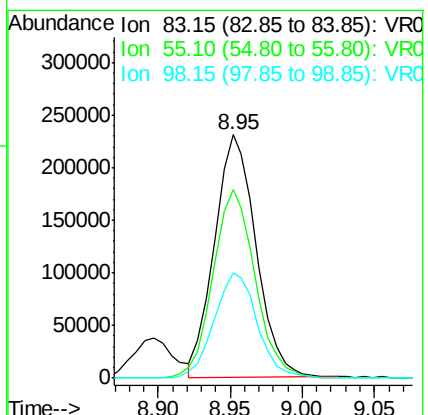
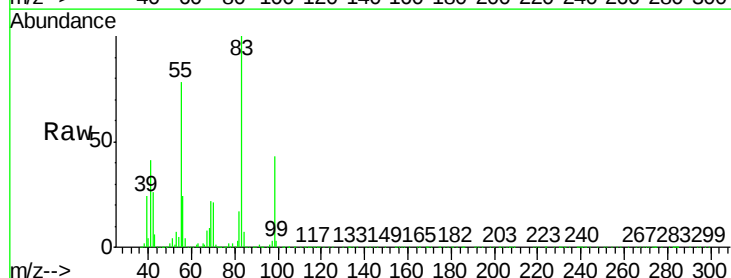
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

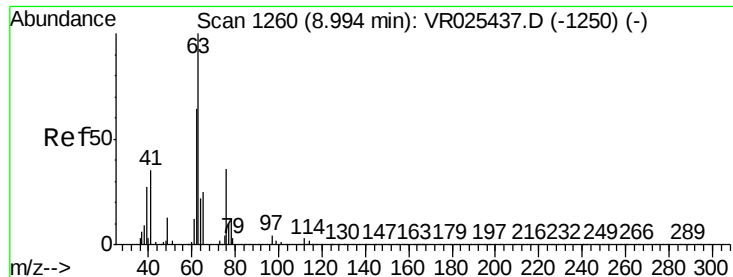
Tgt Ion:	95	Resp:	301325
Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.6	84.6
132	94.9	60.9	113.1
130	99.0	62.0	115.2



#35
 Methylcyclohexane
 Concen: 5.861 ug/L
 RT: 8.95 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

Tgt Ion:	83	Resp:	463319
Ion	Ratio	Lower	Upper
83	100		
55	78.8	66.1	99.1
98	45.4	36.2	54.4

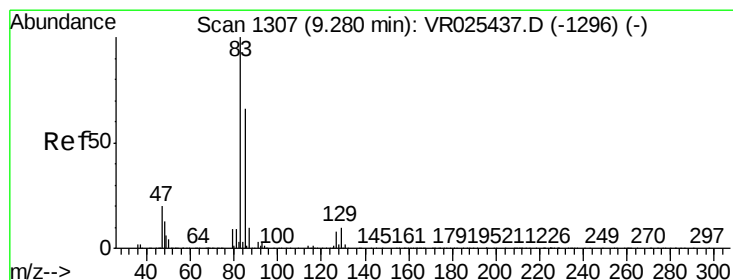
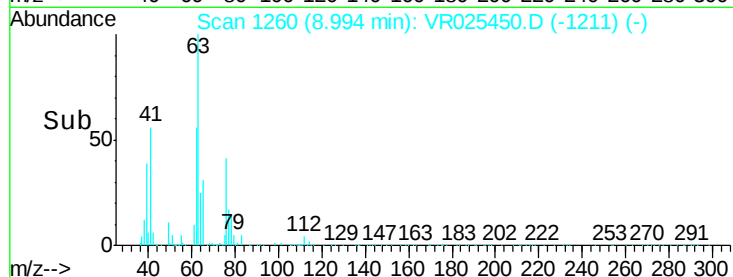
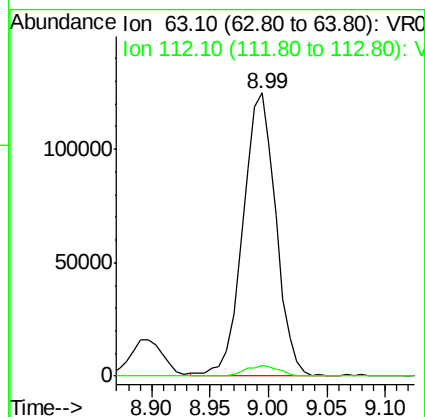
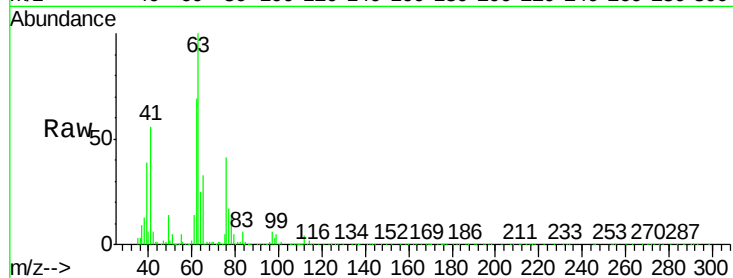




#37
 1,2-Dichloropropane
 Concen: 4.539 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

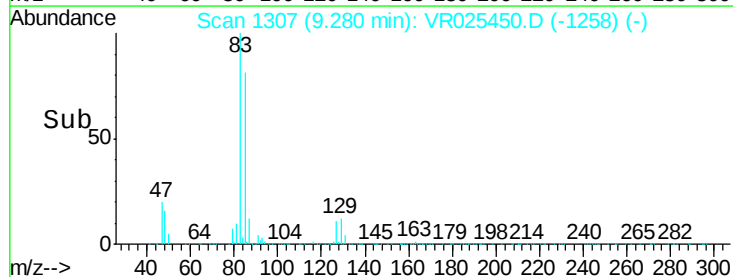
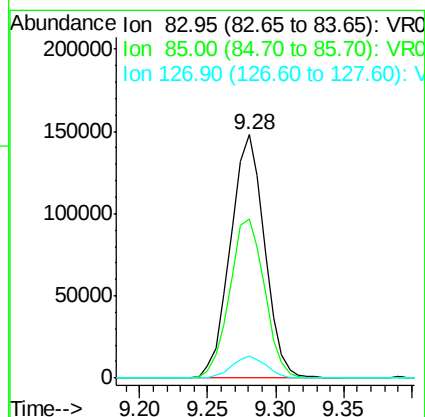
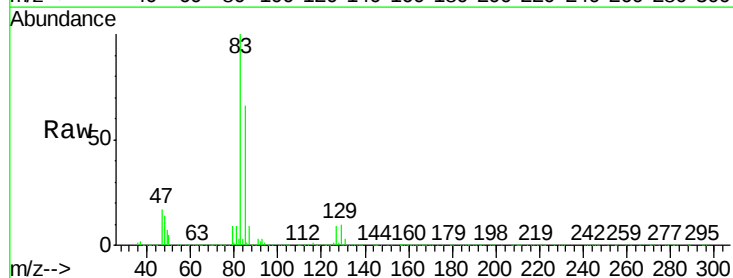
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

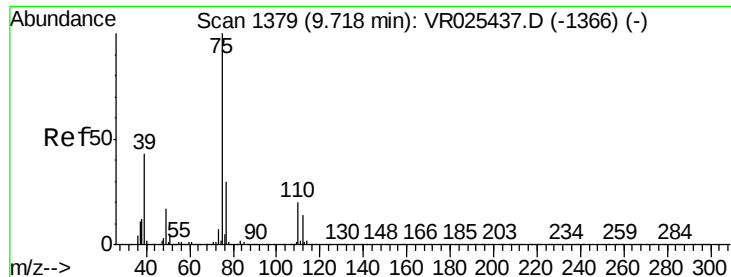
Tgt Ion: 63 Resp: 245014
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.686 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

Tgt Ion: 83 Resp: 257810
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.1 85.7
 127 9.0 5.7 8.5#

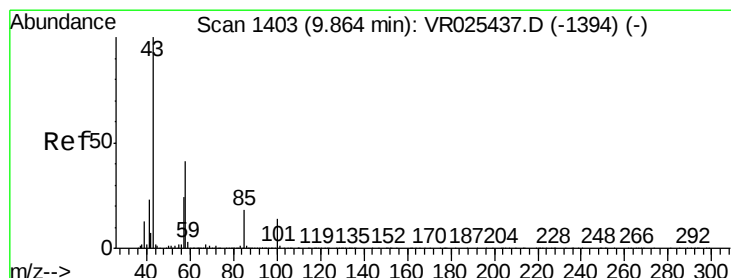
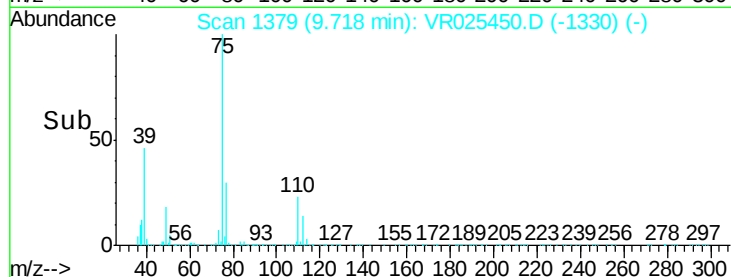
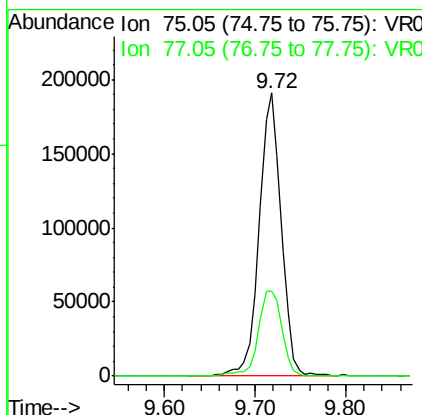
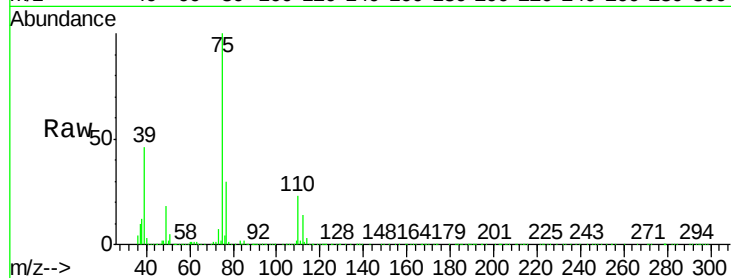




#39
 cis-1,3-Dichloropropene
 Concen: 5.276 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

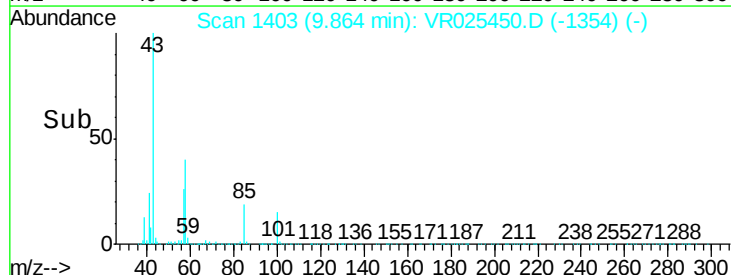
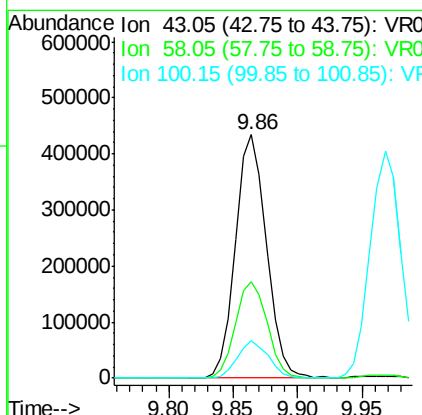
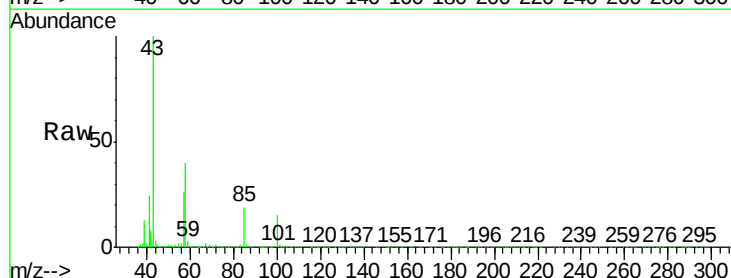
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

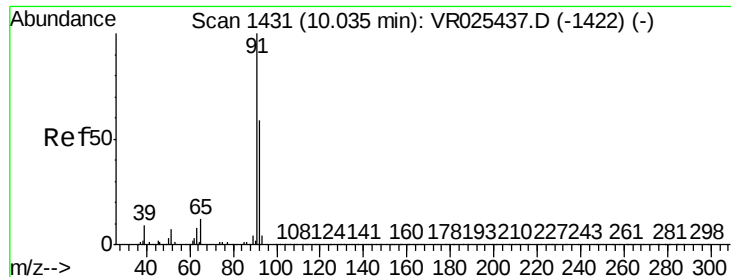
Tgt Ion: 75 Resp: 320290
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 46.307 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

Tgt Ion: 43 Resp: 724460
 Ion Ratio Lower Upper
 43 100
 58 40.6 30.3 45.5
 100 15.3 10.3 15.5





#42

Toluene

Concen: 5.113 ug/L

RT: 10.03 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

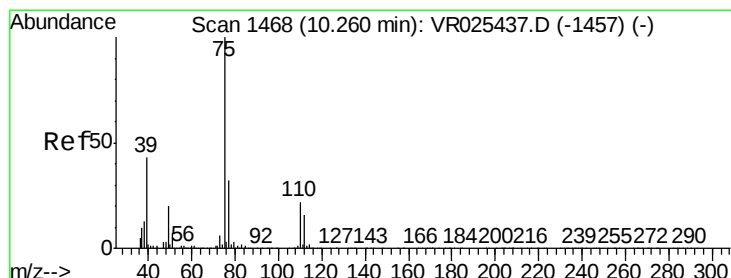
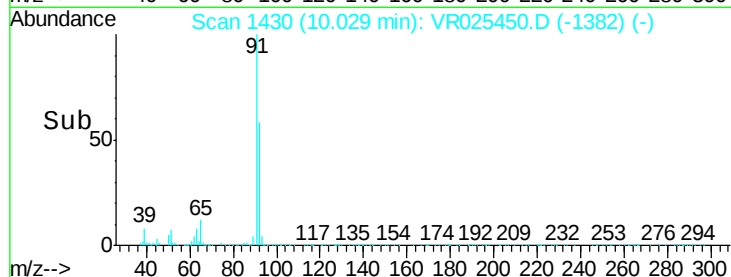
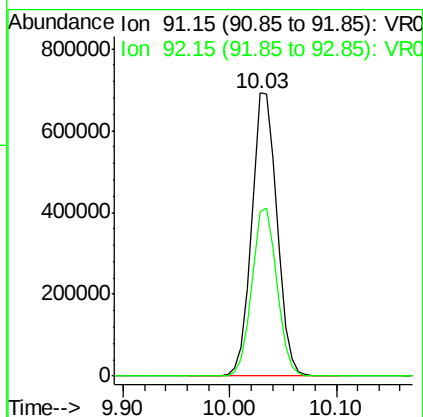
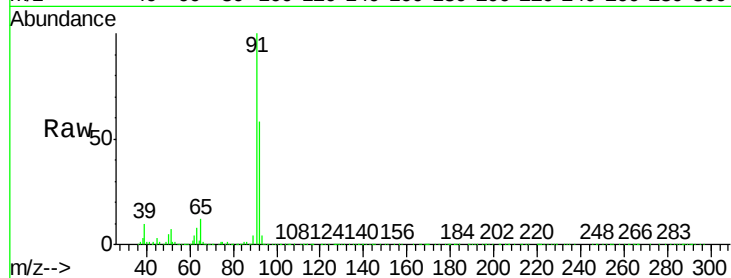
VSTD00588

Tgt Ion: 91 Resp: 1154862

Ion Ratio Lower Upper

91 100

92 57.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 5.128 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VR025450.D

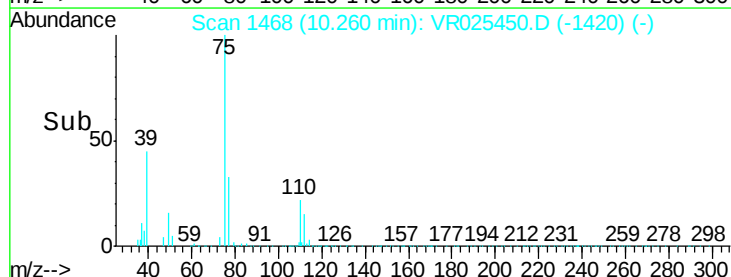
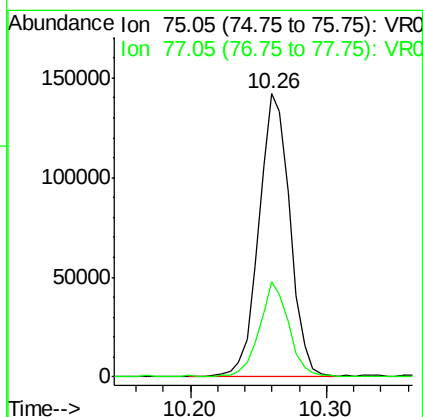
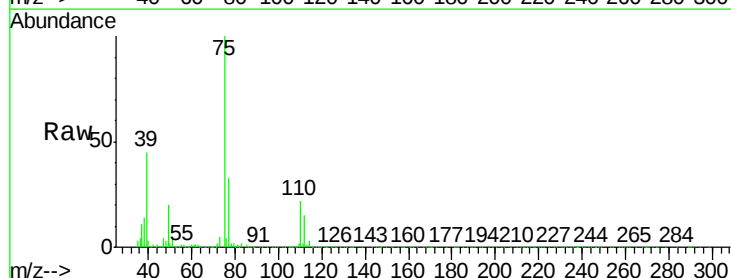
Acq: 12 Jul 2018 10:52

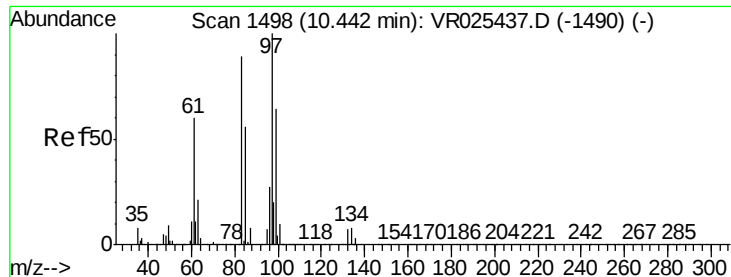
Tgt Ion: 75 Resp: 228607

Ion Ratio Lower Upper

75 100

77 33.4 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 4.303 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

Tgt Ion: 97 Resp: 113826

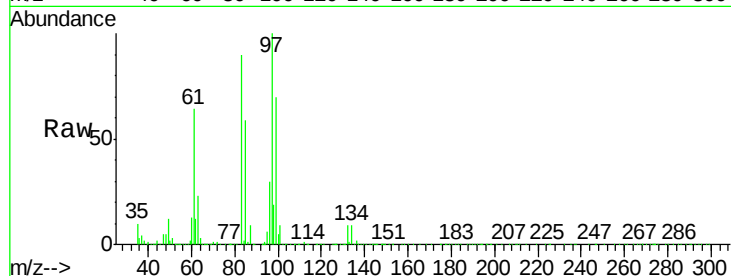
Ion Ratio Lower Upper

97 100

99 69.9 41.9 77.9

83 89.6 64.5 119.9

85 58.8 38.6 71.8

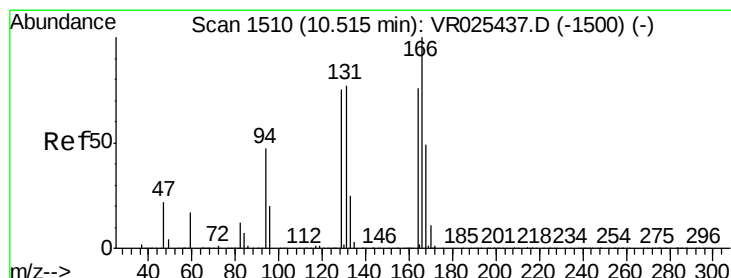
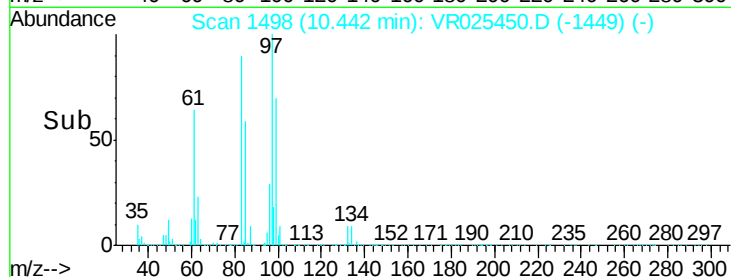
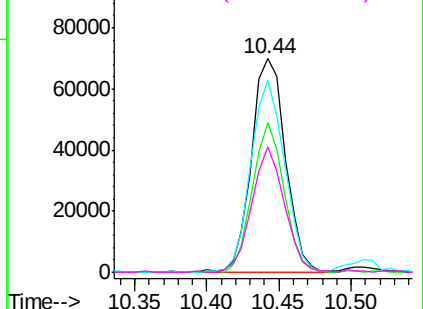


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 5.381 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Tgt Ion: 164 Resp: 207751

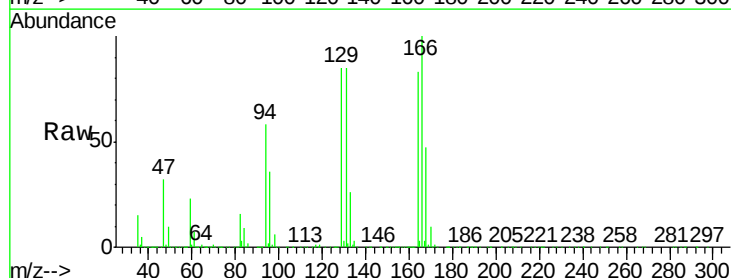
Ion Ratio Lower Upper

164 100

129 103.2 68.1 126.5

131 102.5 68.5 127.1

166 121.1 89.9 166.9

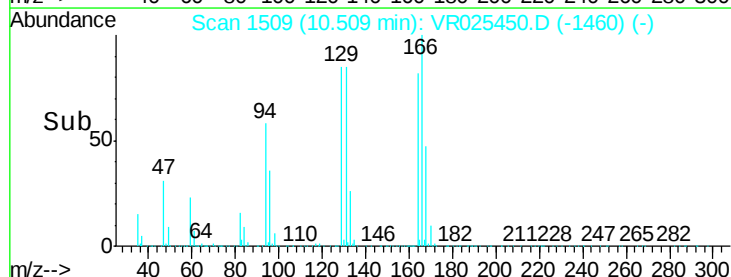
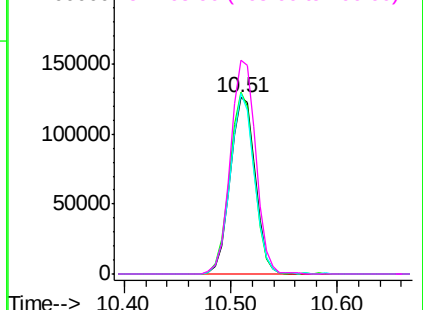


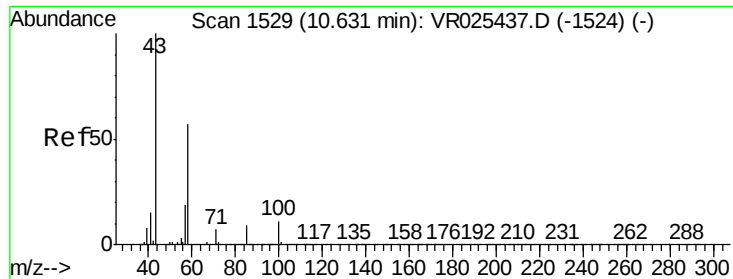
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

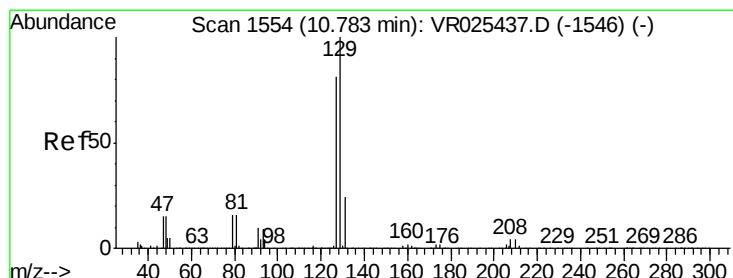
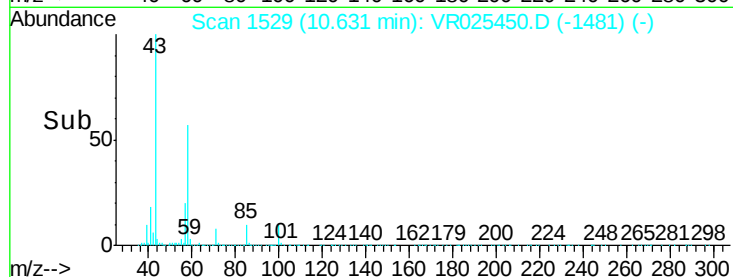
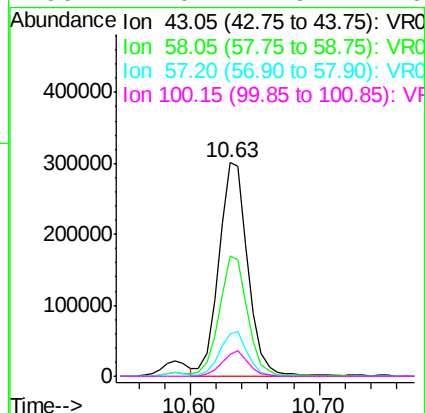
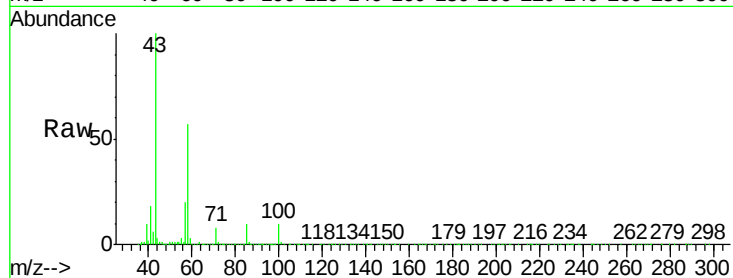




#48
2-Hexanone
Concen: 43.981 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.01 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

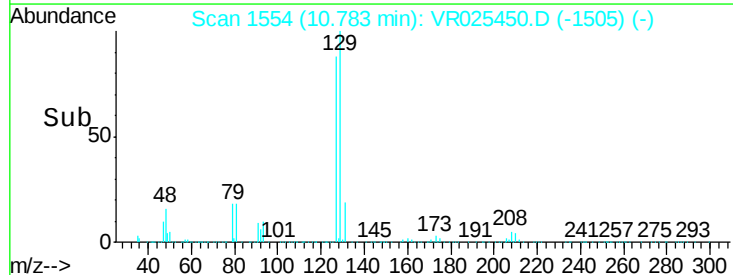
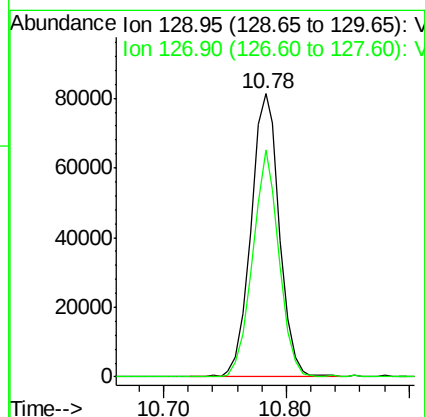
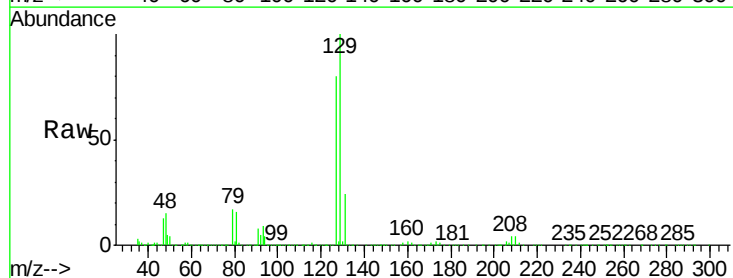
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

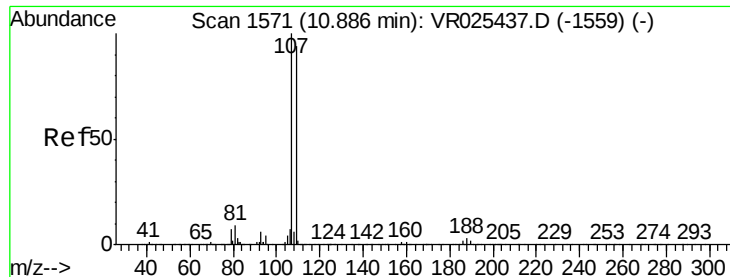
Tgt Ion:	43	Resp:	473314
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.1	64.7
57	19.9	15.3	22.9
100	11.0	7.9	11.9



#49
Dibromochloromethane
Concen: 4.747 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

Tgt Ion:	129	Resp:	130904
Ion	Ratio	Lower	Upper
129	100		
127	80.4	55.9	103.7

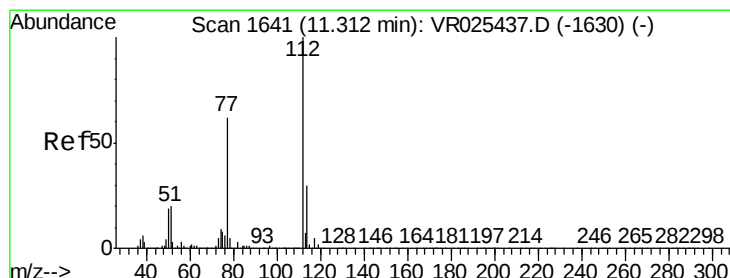
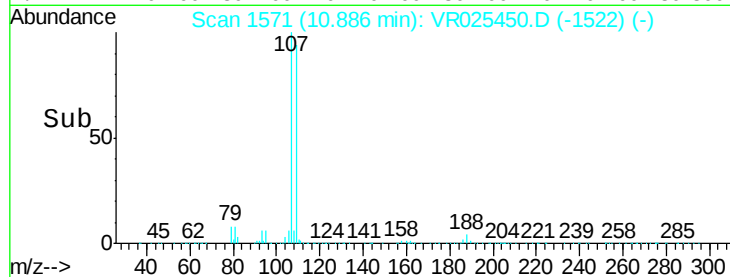
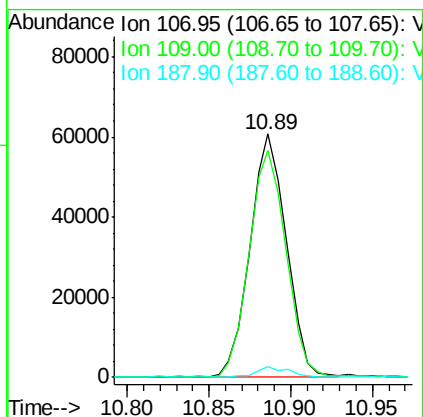
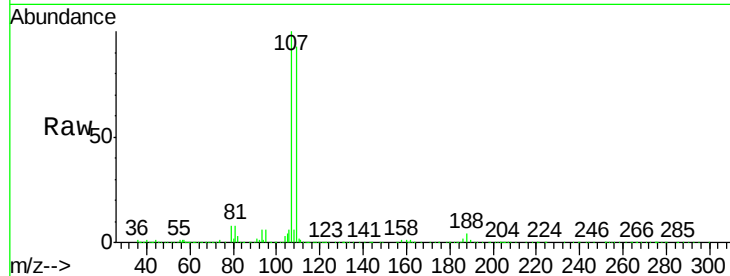




#50
1,2-Dibromoethane
Concen: 4.401 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

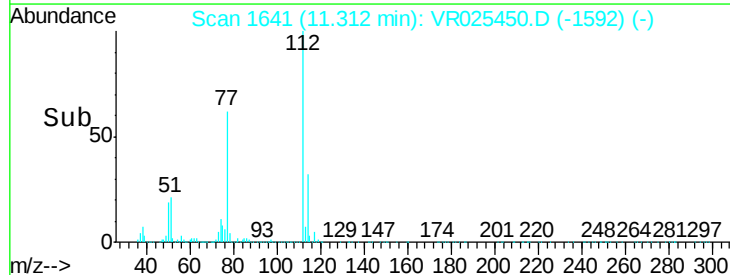
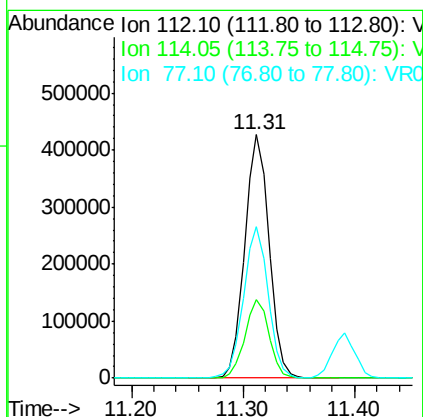
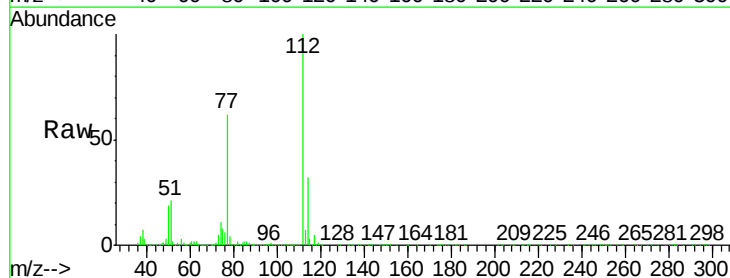
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

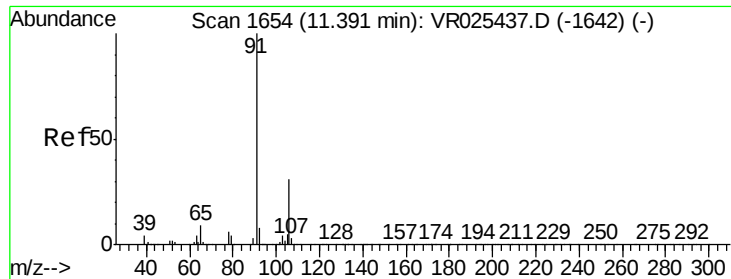
Tgt Ion:107 Resp: 94298
Ion Ratio Lower Upper
107 100
109 93.3 63.1 117.3
188 4.2 1.8 2.8#



#51
Chlorobenzene
Concen: 4.701 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

Tgt Ion:112 Resp: 646461
Ion Ratio Lower Upper
112 100
114 32.5 21.6 40.0
77 62.4 51.9 77.9





#52

Ethylbenzene

Concen: 5.252 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

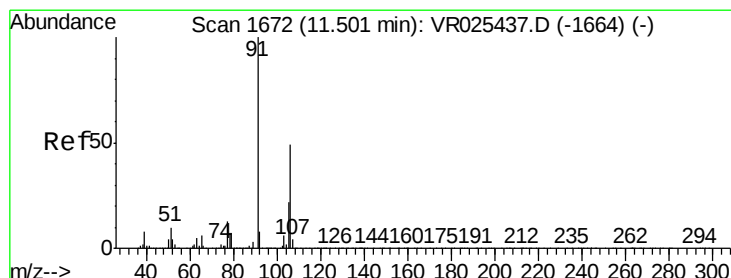
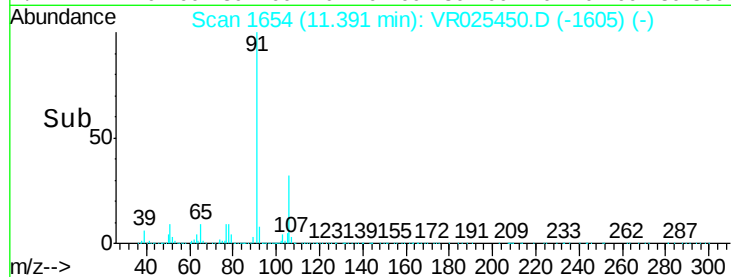
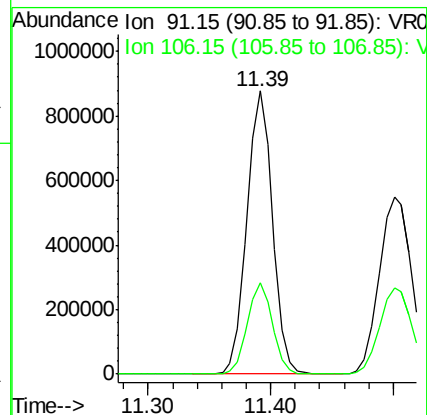
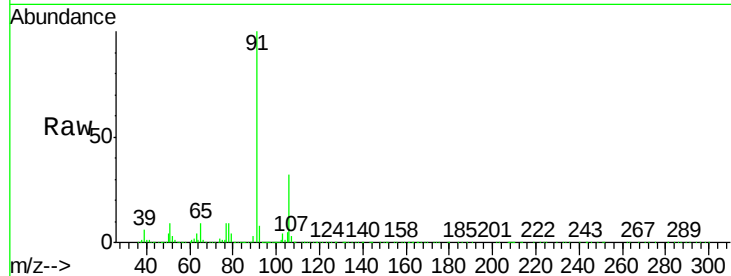
VSTD00588

Tgt Ion: 91 Resp: 1271884

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.7



#53

m,p-Xylene

Concen: 5.360 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025450.D

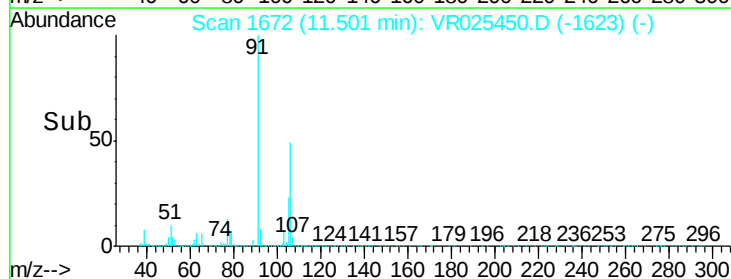
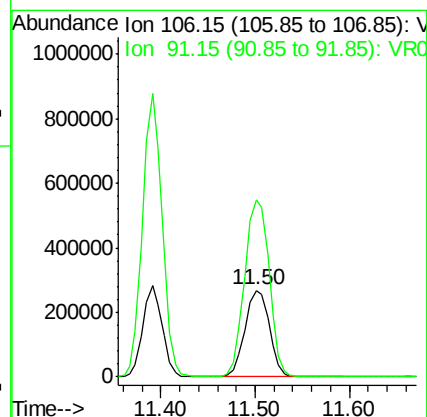
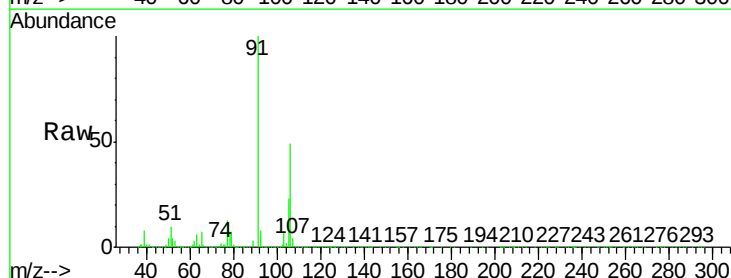
Acq: 12 Jul 2018 10:52

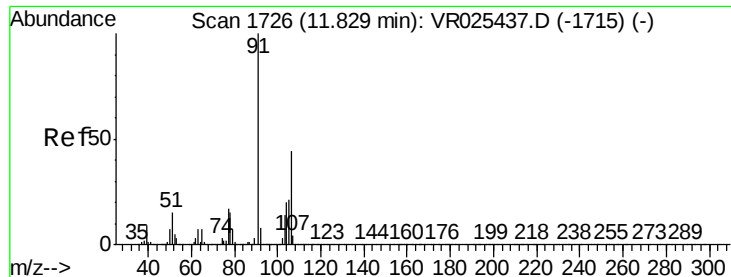
Tgt Ion: 106 Resp: 487058

Ion Ratio Lower Upper

106 100

91 204.4 152.6 283.4

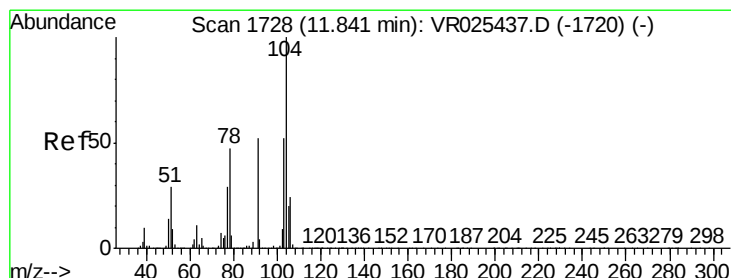
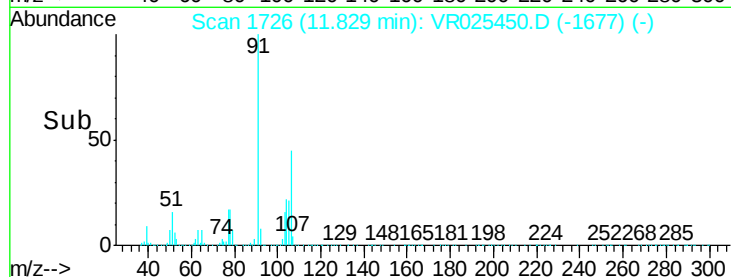
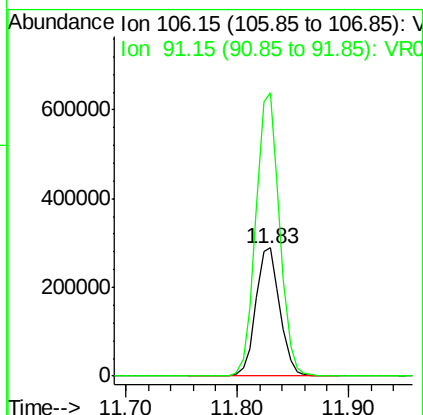
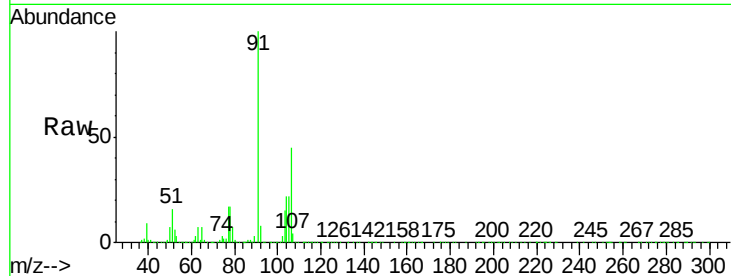




#54
o-Xylene
Concen: 5.527 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

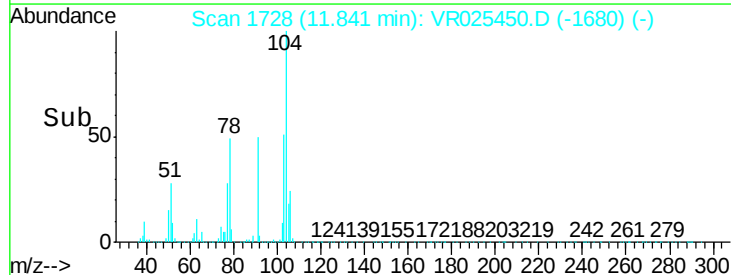
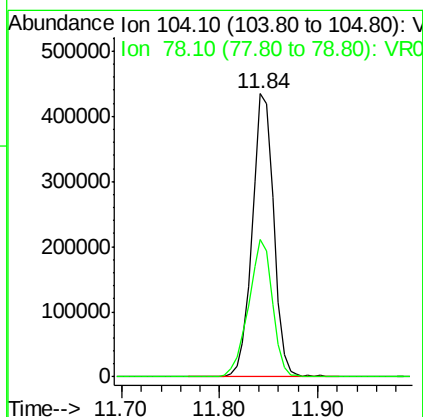
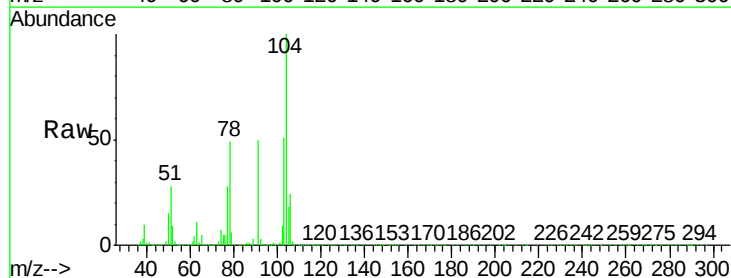
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

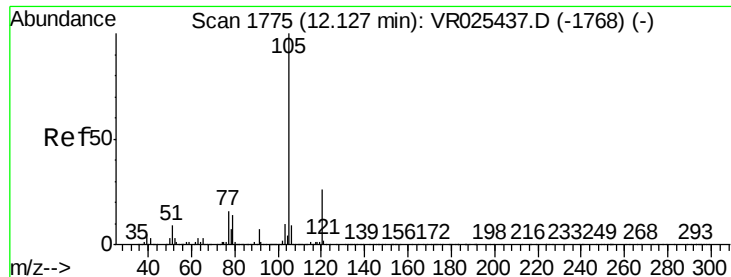
Tgt Ion:106 Resp: 432616
Ion Ratio Lower Upper
106 100
91 221.1 153.7 285.5



#55
Styrene
Concen: 5.145 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.01 min
Lab File: VR025450.D
Acq: 12 Jul 2018 10:52

Tgt Ion:104 Resp: 662611
Ion Ratio Lower Upper
104 100
78 48.7 35.4 65.7





#56

Isopropylbenzene

Concen: 5.771 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampled :

VSTD00588

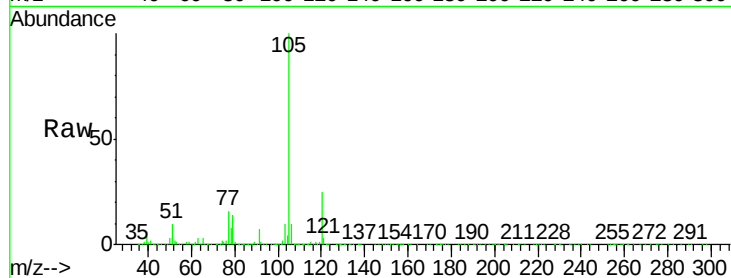
Tgt Ion:105 Resp: 1196254

Ion Ratio Lower Upper

105 100

120 26.3 20.2 30.4

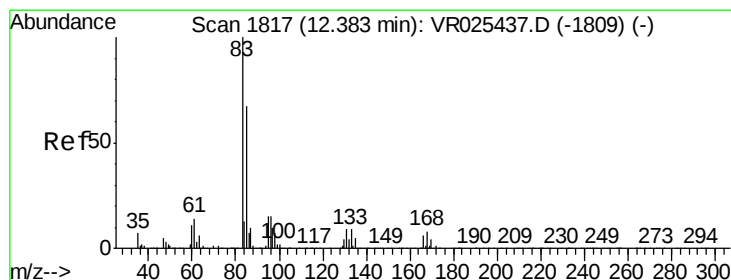
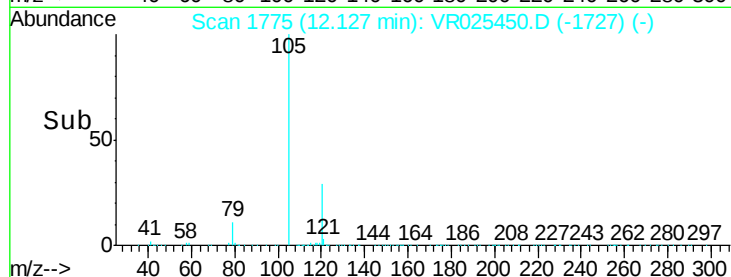
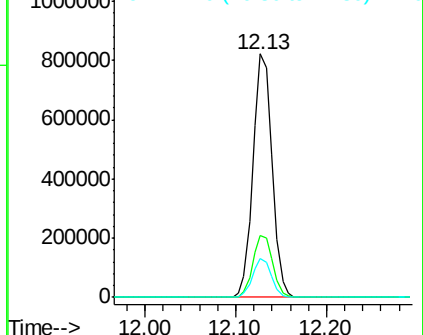
77 15.9 13.0 19.6



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: 4.097 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

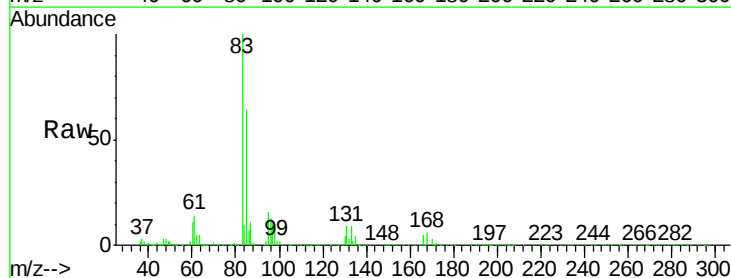
Tgt Ion: 83 Resp: 106731

Ion Ratio Lower Upper

83 100

85 63.7 41.8 77.6

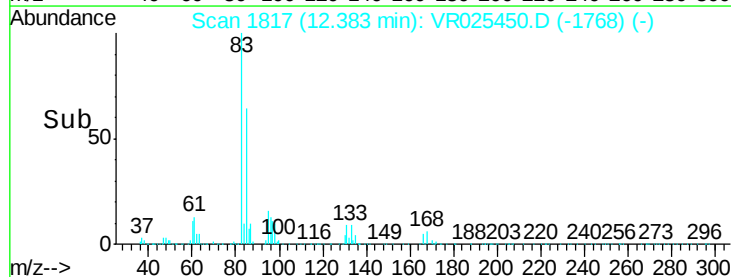
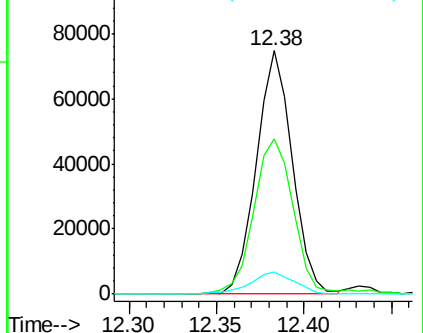
131 9.2 6.1 9.1#

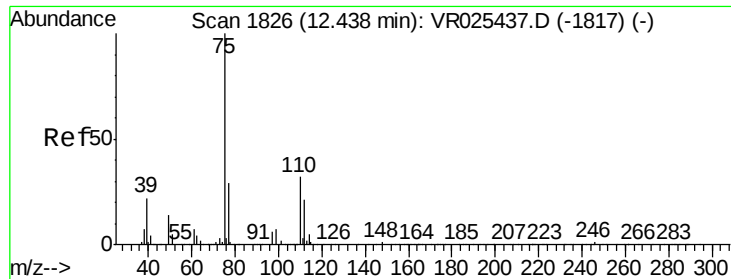


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.276 ug/L

RT: 12.43 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

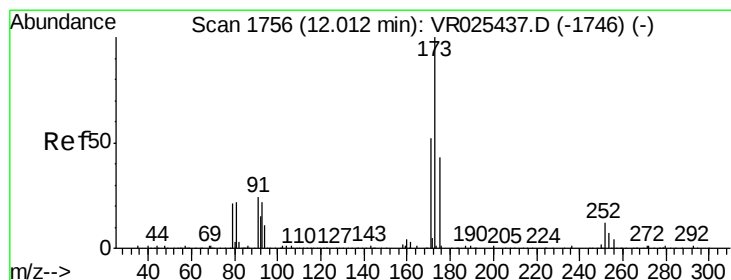
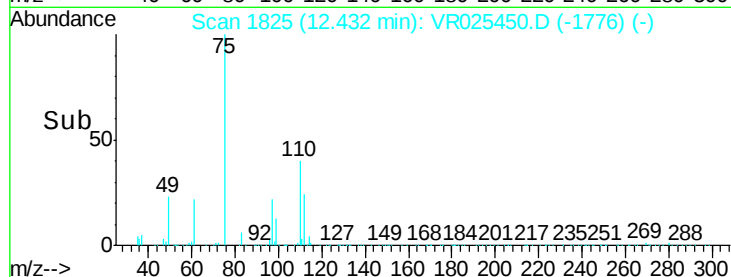
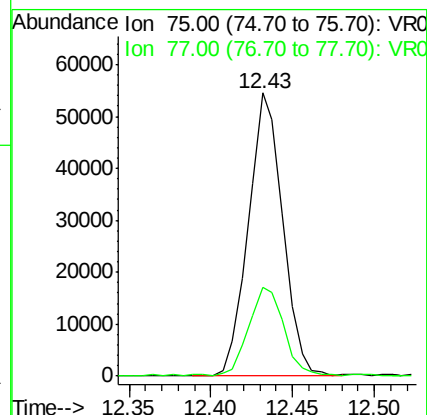
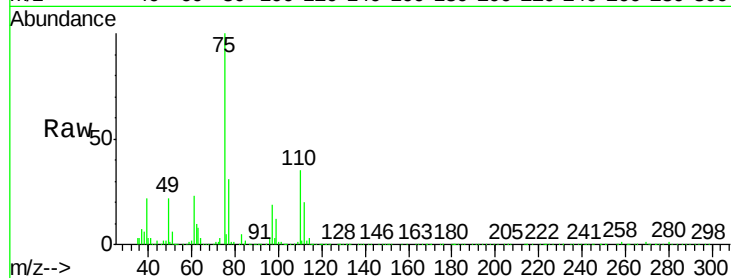
VSTD00588

Tgt Ion: 75 Resp: 80204

Ion Ratio Lower Upper

75 100

77 31.9 27.0 40.4



#61

Bromoform

Concen: 4.501 ug/L

RT: 12.01 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

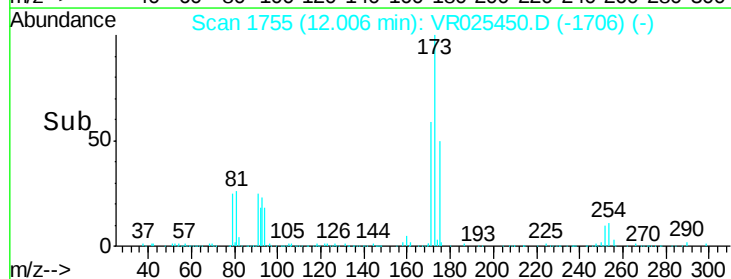
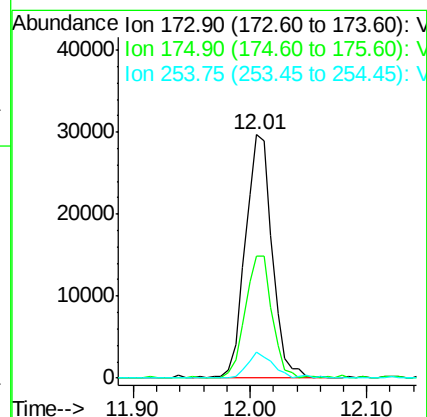
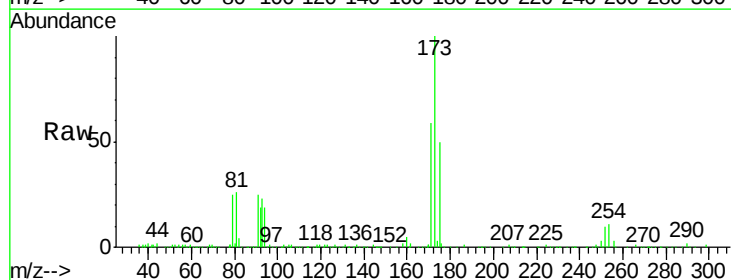
Tgt Ion: 173 Resp: 47703

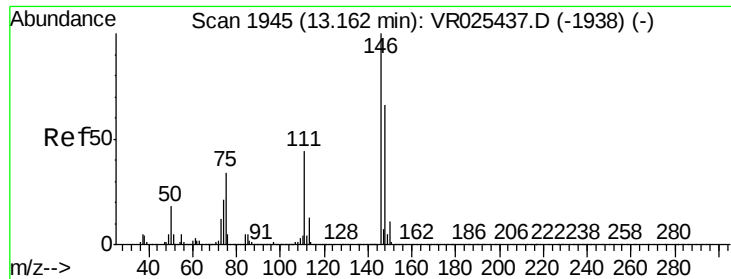
Ion Ratio Lower Upper

173 100

175 50.5 37.5 56.3

254 9.9 8.7 13.1

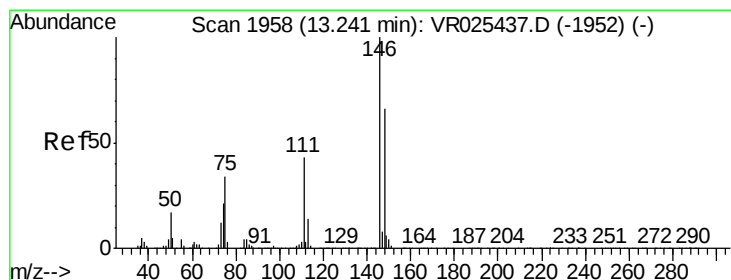
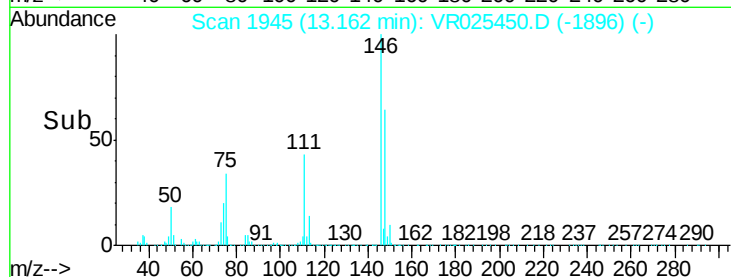
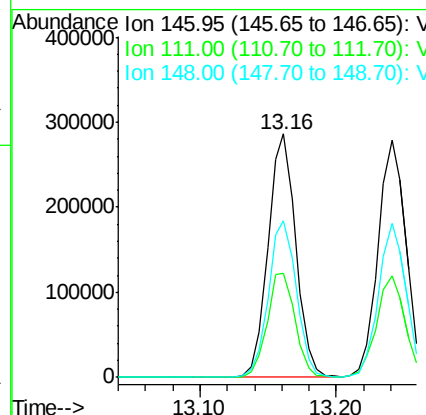
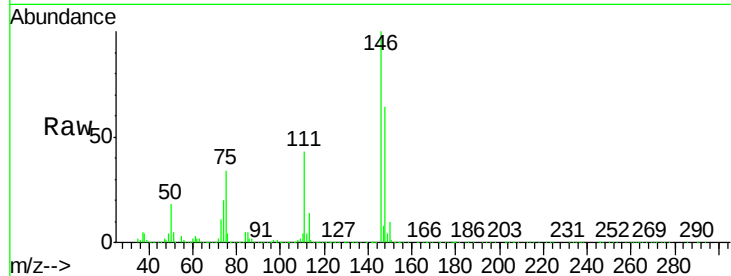




#62
 1,3-Dichlorobenzene
 Concen: 5.375 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

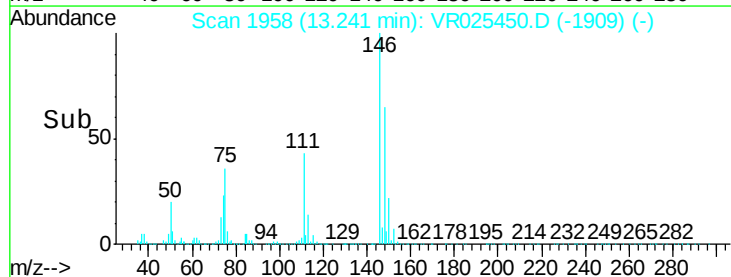
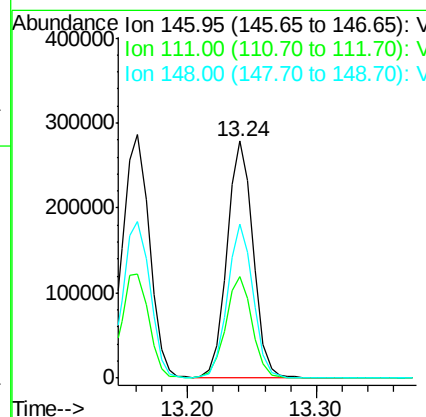
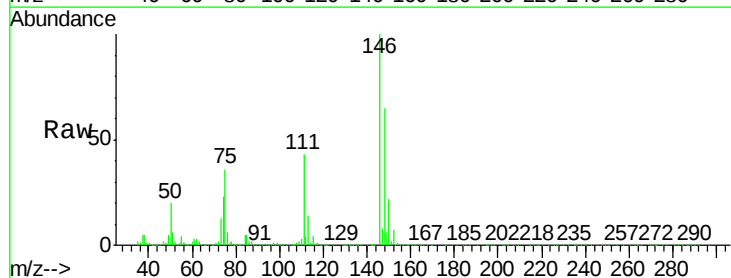
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

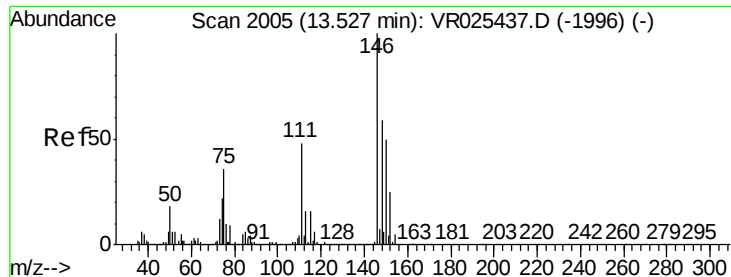
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	31.0	57.6
148	64.5	44.8	83.2



#63
 1,4-Dichlorobenzene
 Concen: 4.689 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	30.5	56.7
148	64.8	42.8	79.4

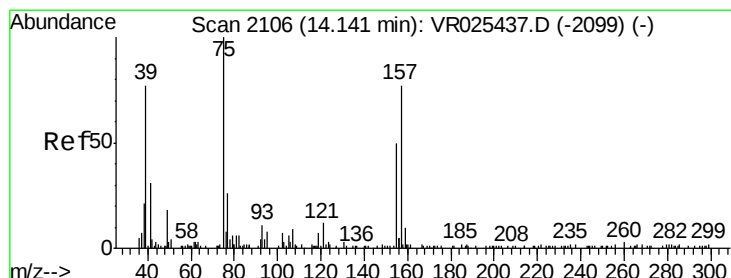
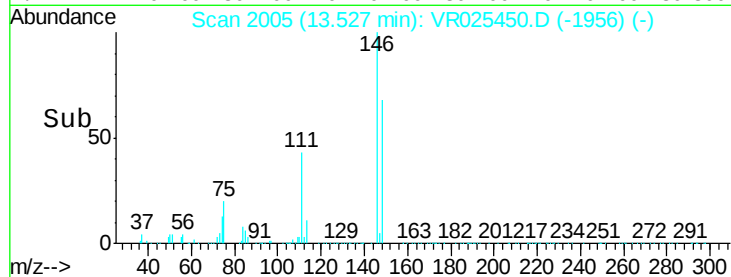
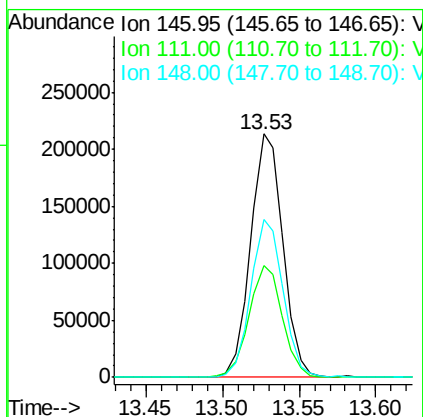
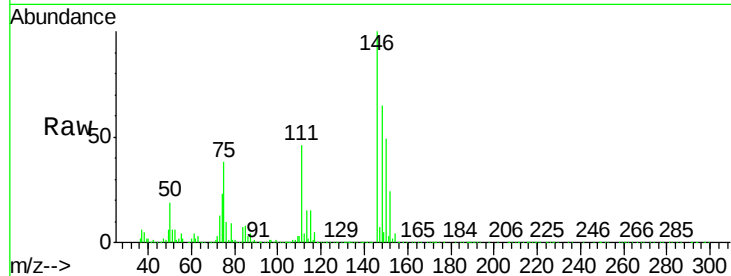




#65
 1,2-Dichlorobenzene
 Concen: 4.725 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

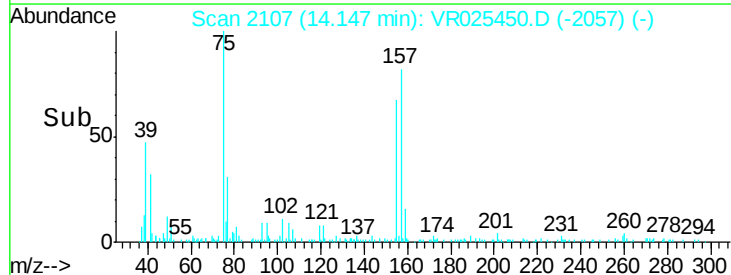
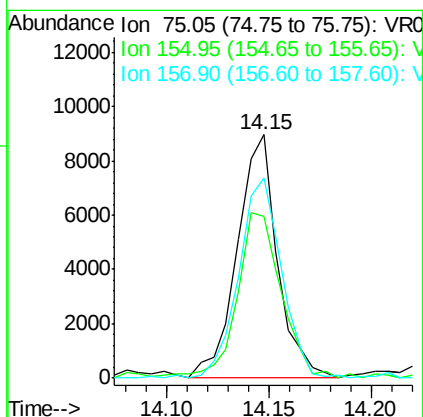
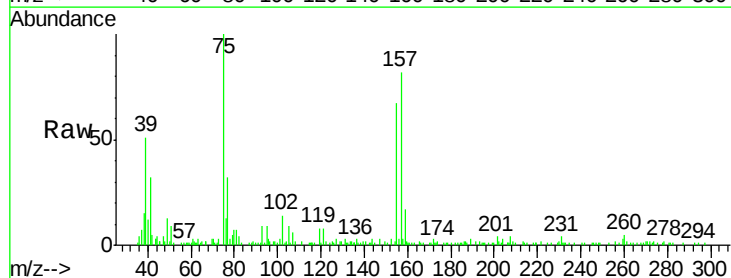
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00588

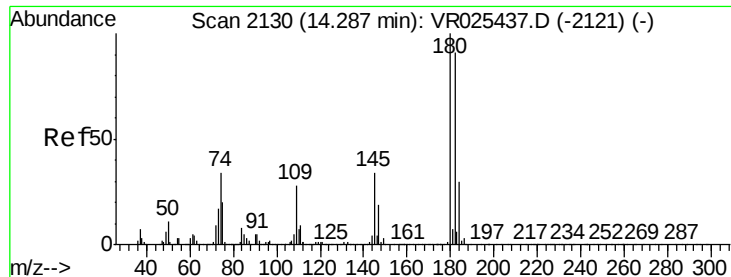
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	35.8	53.8
148	64.9	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.186 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.6	74.1	111.1#
157	82.0	71.0	106.6

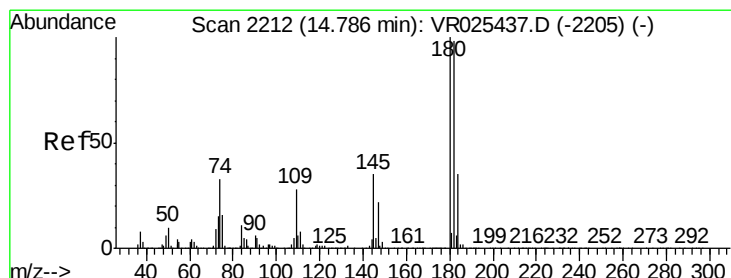
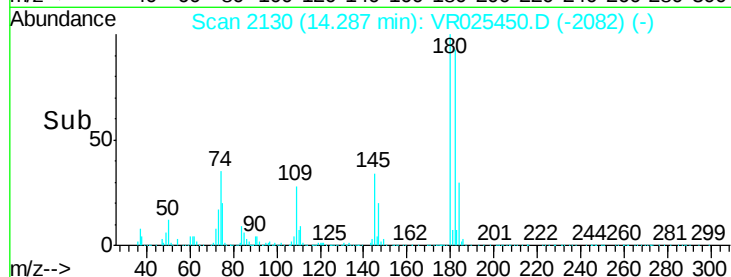
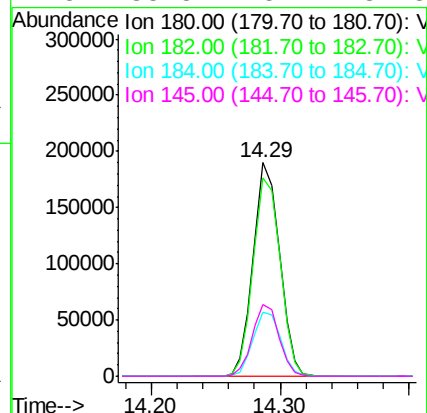
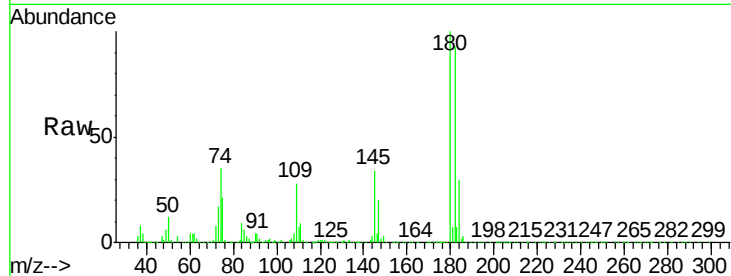




#67
 1,3,5-Trichlorobenzene
 Concen: 5.401 ug/L
 RT: 14.29 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

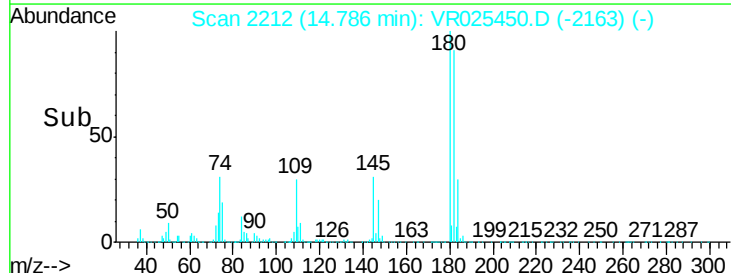
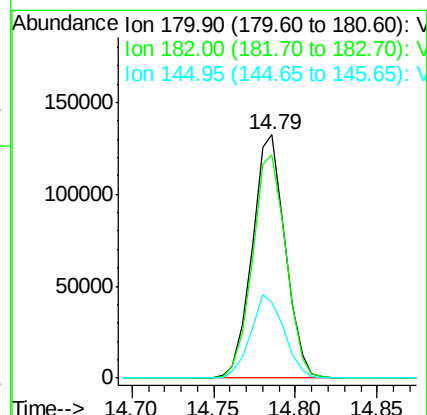
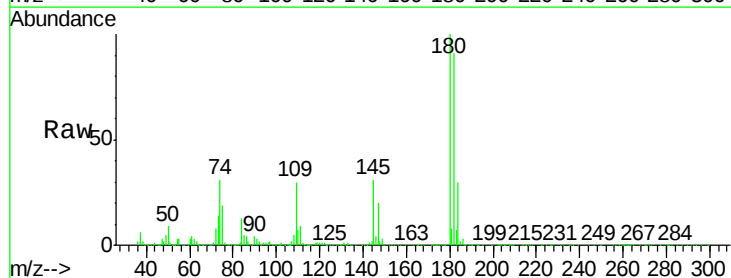
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

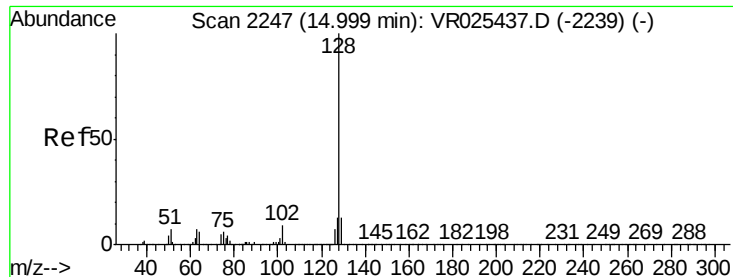
Tgt Ion:	180	Resp:	268943
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
184	31.3	24.5	36.7
145	33.8	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.453 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025450.D
 Acq: 12 Jul 2018 10:52

Tgt Ion:	180	Resp:	186655
Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.0	112.4
145	34.5	27.3	40.9





#69

Naphthalene

Concen: 5.485 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

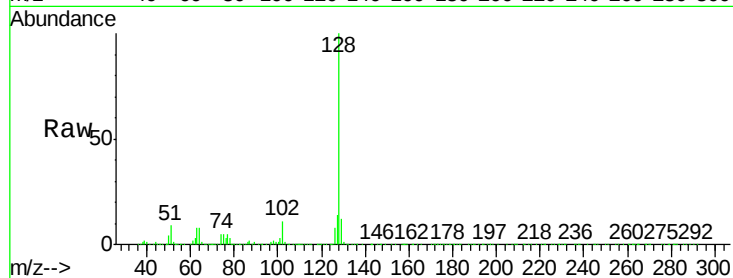
Tgt Ion:128 Resp: 240445

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

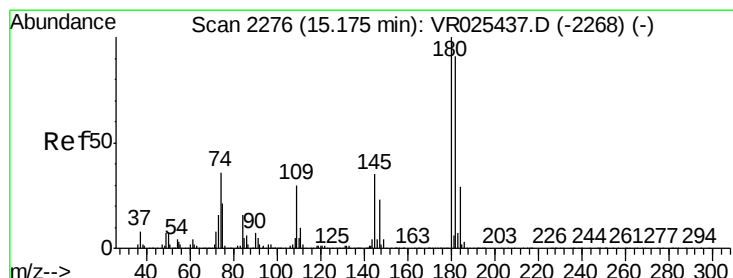
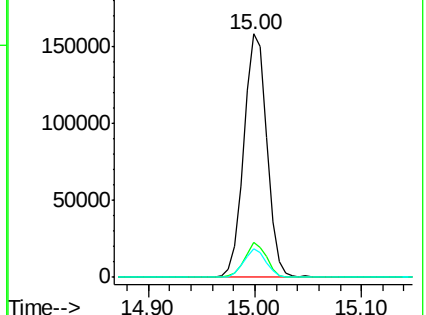
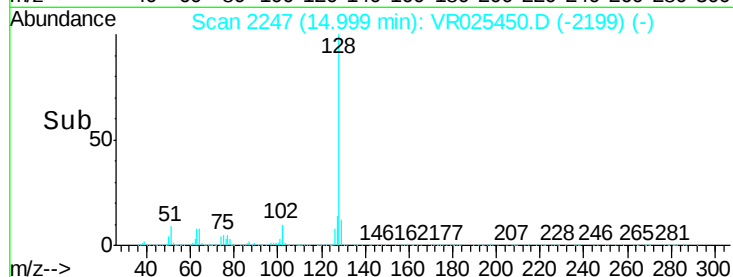
129 11.3 8.6 13.0



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: 5.350 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025450.D

Acq: 12 Jul 2018 10:52

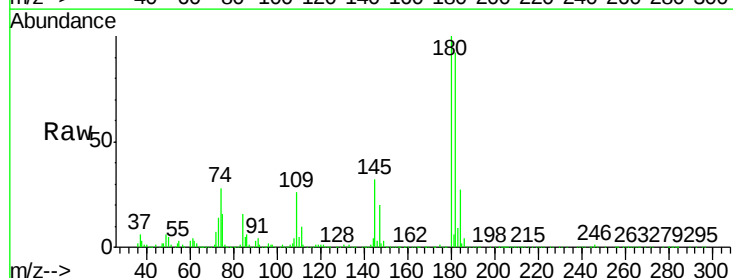
Tgt Ion:180 Resp: 141246

Ion Ratio Lower Upper

180 100

182 95.5 75.2 112.8

145 35.2 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

