

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062518\
 Data File : VR025424.D
 Acq On : 25 Jun 2018 11:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Quant Time: Jun 26 01:37:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	579871	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	481702	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	200402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	88079	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.64	69	61730	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	3.65	63	257922	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	6.60	46	223030	42.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.26%
24) Chloroform-d	7.21	84	392575	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	7.89	65	144882	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	7.85	84	852829	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	8.90	67	227817	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	9.97	98	800320	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
43) trans-1,3-Dichloropropene-	10.24	79	54557	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	10.59	63	192062	44.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	94802	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	161450	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	191434	5.107 ug/L	100
3) Chloromethane	2.01	50	100611	3.708 ug/L	95
5) Vinyl chloride	2.16	62	98242	4.092 ug/L	89
6) Bromomethane	2.53	94	45443	3.883 ug/L	88
8) Chloroethane	2.67	64	54595	4.355 ug/L	90
9) Trichlorofluoromethane	2.98	101	200705	5.723 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	109577	5.326 ug/L	99
12) 1,1-Dichloroethene	3.65	96	97939	4.805 ug/L #	78
13) Acetone	3.70	43	114693	47.968 ug/L	98
14) Carbon disulfide	3.97	76	172787	4.029 ug/L #	95
15) Methyl Acetate	4.19	43	24692	4.107 ug/L	94
16) Methylene chloride	4.41	84	60723	3.274 ug/L	97
17) Methyl tert-butyl Ether	4.90	73	290096	4.774 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	229190	5.470 ug/L	97
19) 1,1-Dichloroethane	5.70	63	414606	5.267 ug/L	99
21) 2-Butanone	6.69	43	277363	49.078 ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	236068	5.399 ug/L	95

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 Misc : 25mL/MSVOA_R/WATER
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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

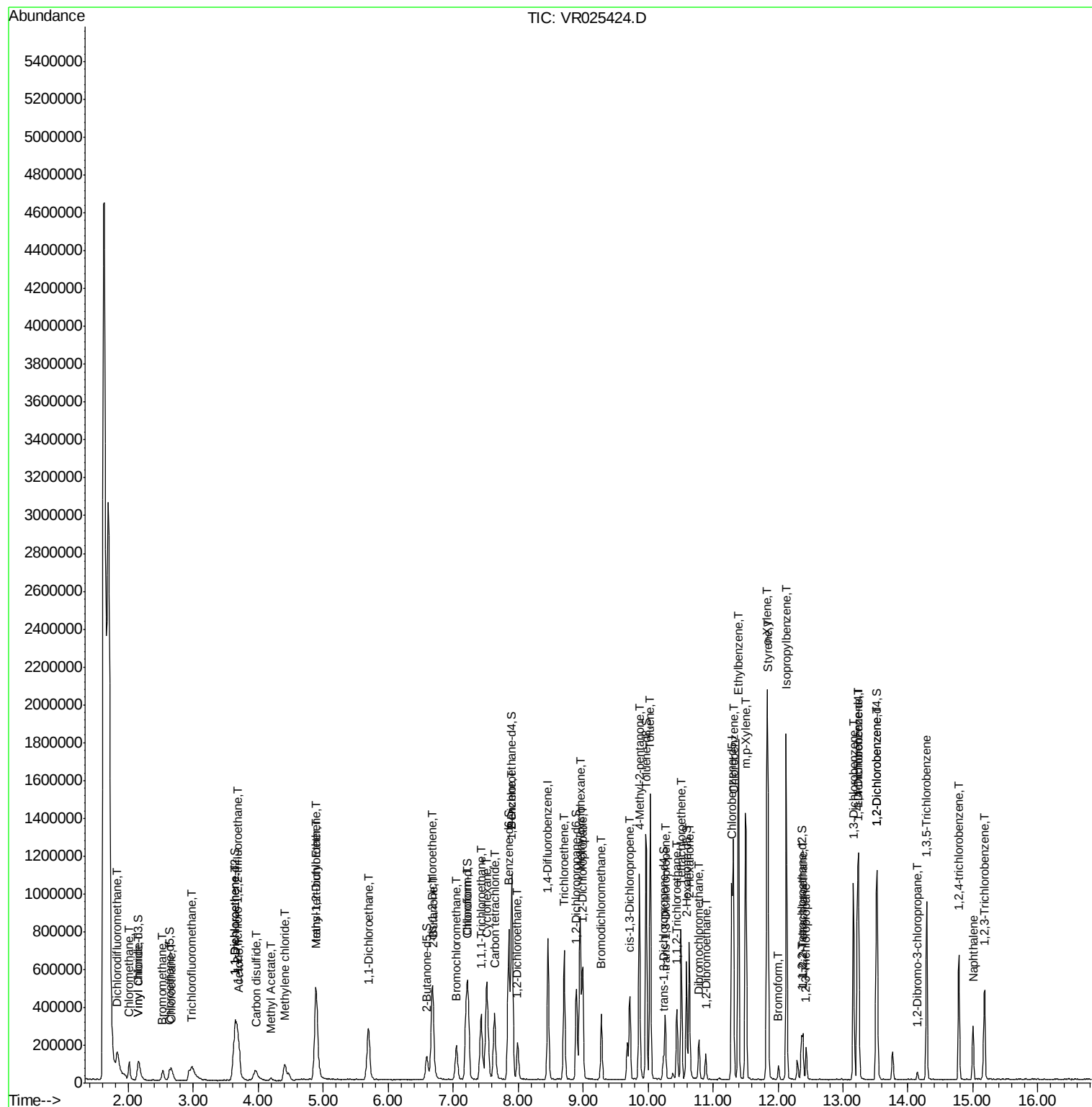
23) Bromochloromethane	7.05	128	63825	4.984	ug/L	98
25) Chloroform	7.23	83	395323	5.494	ug/L	98
27) 1,2-Dichloroethane	7.99	62	169173	5.150	ug/L #	90
29) 1,1,1-Trichloroethane	7.43	97	292470	5.112	ug/L	98
30) Cyclohexane	7.52	56	331601	4.540	ug/L	97
31) Carbon tetrachloride	7.64	117	264259	5.261	ug/L	94
33) Benzene	7.91	78	966118	5.108	ug/L	100
34) Trichloroethene	8.71	95	233181	5.096	ug/L	97
35) Methylcyclohexane	8.96	83	356496	4.937	ug/L	98
37) 1,2-Dichloropropane	8.99	63	221038	5.257	ug/L	98
38) Bromodichloromethane	9.28	83	215293	5.280	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	239691	4.841	ug/L	94
40) 4-Methyl-2-pentanone	9.86	43	659539	48.477	ug/L	97
42) Toluene	10.03	91	999063	4.930	ug/L	97
44) trans-1,3-Dichloropropene	10.27	75	169933	4.989	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	104087	5.333	ug/L	94
47) Tetrachloroethene	10.51	164	163880	5.365	ug/L	96
48) 2-Hexanone	10.64	43	431404	49.743	ug/L	96
49) Dibromochloromethane	10.78	129	95354	5.074	ug/L	97
50) 1,2-Dibromoethane	10.89	107	79186	5.061	ug/L	92
51) Chlorobenzene	11.31	112	572293	5.273	ug/L	98
52) Ethylbenzene	11.39	91	1134821	5.644	ug/L	98
53) m,p-Xylene	11.50	106	423214	5.513	ug/L	93
54) o-Xylene	11.83	106	381935	5.567	ug/L	98
55) Styrene	11.85	104	612635	5.811	ug/L	90
56) Isopropylbenzene	12.13	105	1084530	5.880	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	99814	5.522	ug/L #	88
59) 1,2,3-Trichloropropane	12.43	75	67919	5.207	ug/L	100
61) Bromoform	12.01	173	31751	4.442	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	355671	5.057	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	376250	5.351	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	297749	5.283	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	9549	4.288	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.29	180	250696	5.382	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	159705	4.925	ug/L	97
69) Naphthalene	15.00	128	197149	4.671	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	130324	5.193	ug/L	97

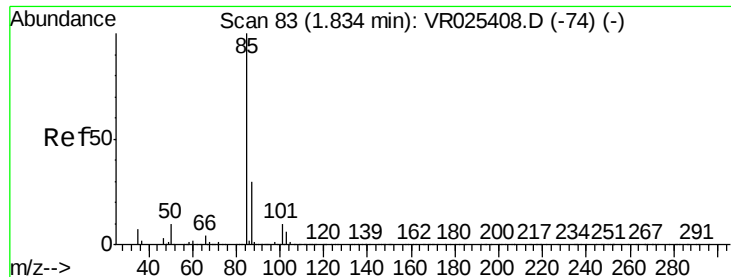
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Instrument :
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ClientSampleId :
VSTD00597

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#2

Dichlorodifluoromethane

Concen: 5.107 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

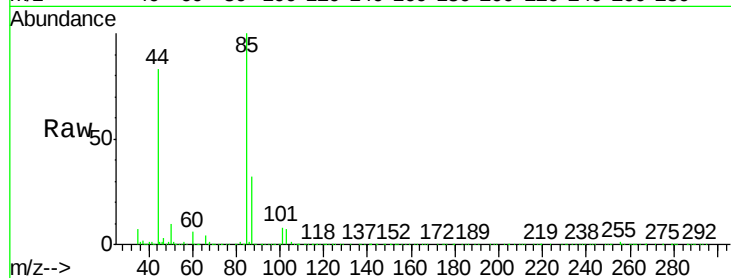
VSTD00597

Tgt Ion: 85 Resp: 191434

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

60000

50000

40000

30000

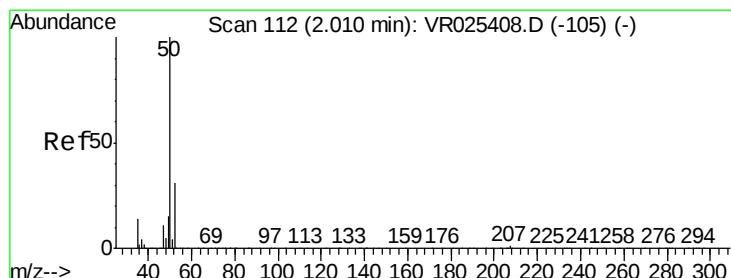
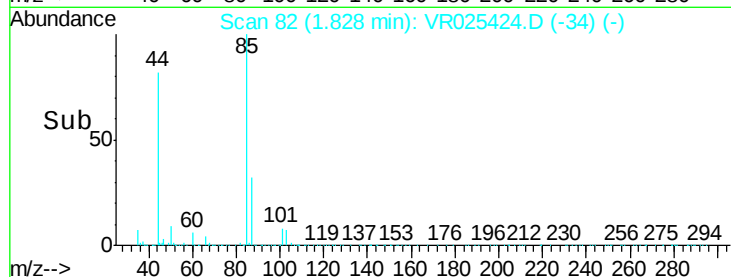
20000

10000

0

1.70 1.80 1.90 2.00

Time-->



#3

Chloromethane

Concen: 3.708 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025424.D

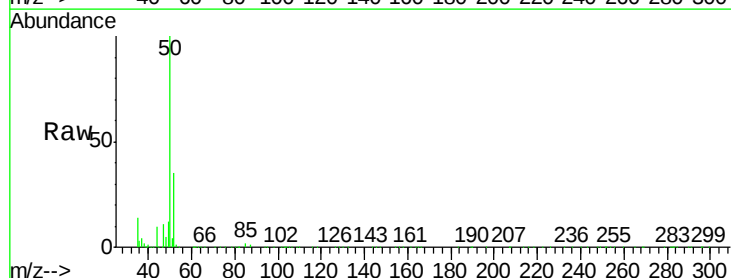
Acq: 25 Jun 2018 11:23

Tgt Ion: 50 Resp: 100611

Ion Ratio Lower Upper

50 100

52 35.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

60000

50000

40000

30000

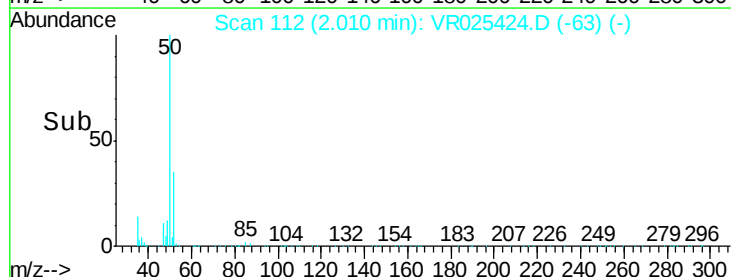
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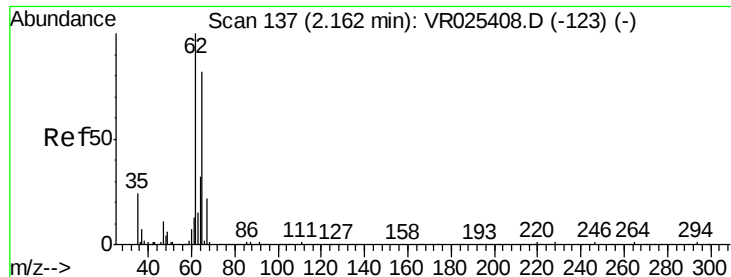
10000

0

1.90 2.00 2.10

Time-->





#5

Vinyl chloride

Concen: 4.092 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

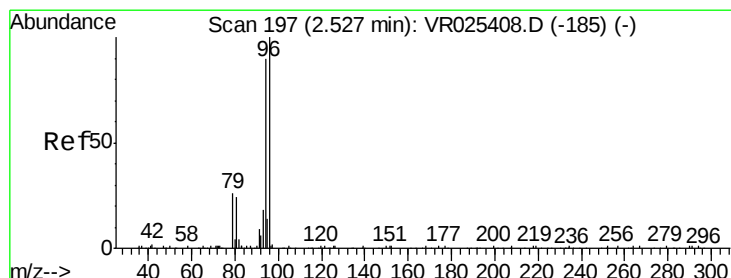
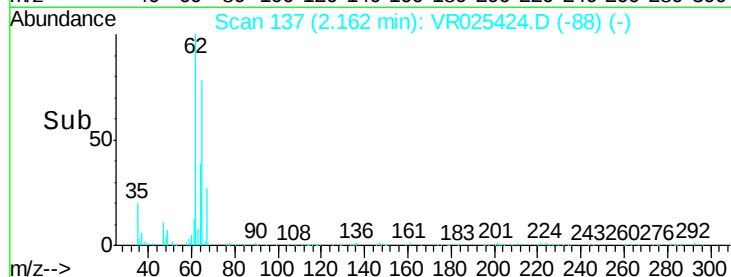
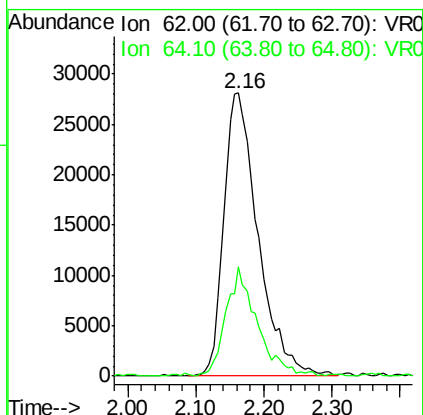
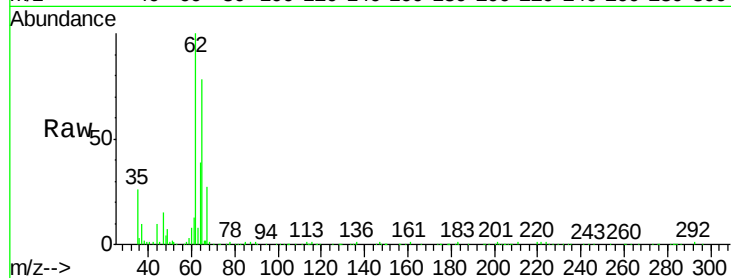
VSTD00597

Tgt Ion: 62 Resp: 98242

Ion Ratio Lower Upper

62 100

64 38.7 22.8 42.4



#6

Bromomethane

Concen: 3.883 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025424.D

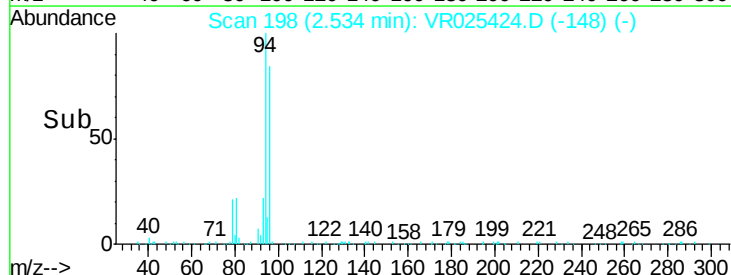
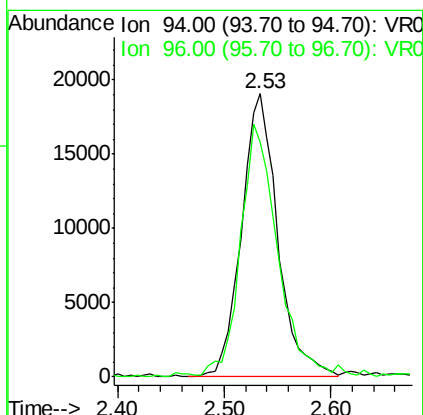
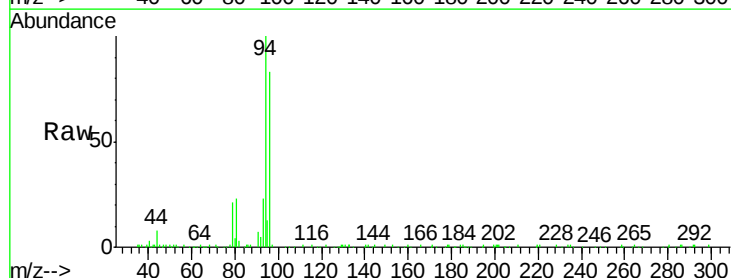
Acq: 25 Jun 2018 11:23

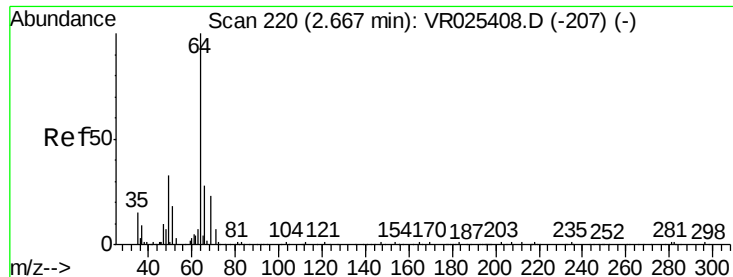
Tgt Ion: 94 Resp: 45443

Ion Ratio Lower Upper

94 100

96 82.8 65.9 122.3





#8

Chloroethane

Concen: 4.355 ug/L

RT: 2.67 min Scan# 220

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

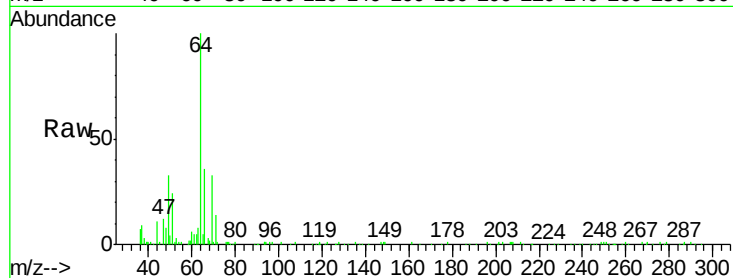
VSTD00597

Tgt Ion: 64 Resp: 54595

Ion Ratio Lower Upper

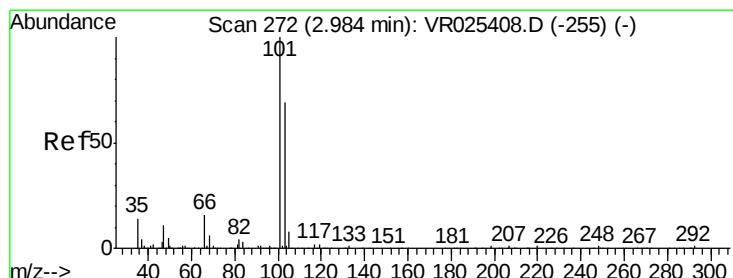
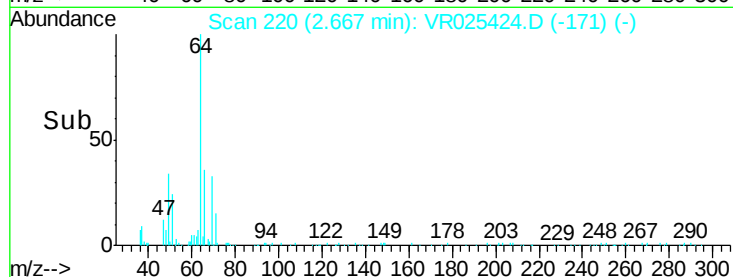
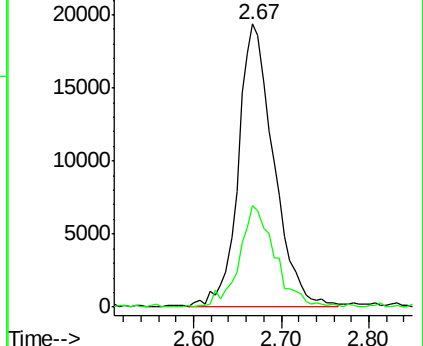
64 100

66 35.8 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 5.723 ug/L

RT: 2.98 min Scan# 271

Delta R.T. -0.01 min

Lab File: VR025424.D

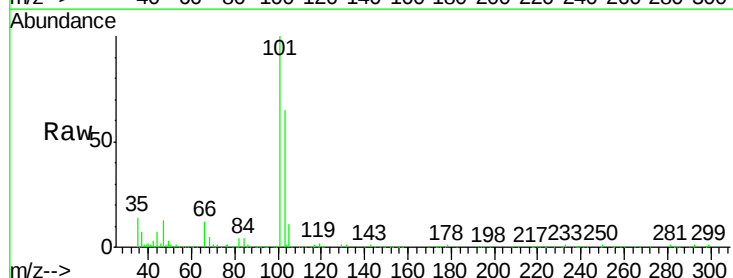
Acq: 25 Jun 2018 11:23

Tgt Ion: 101 Resp: 200705

Ion Ratio Lower Upper

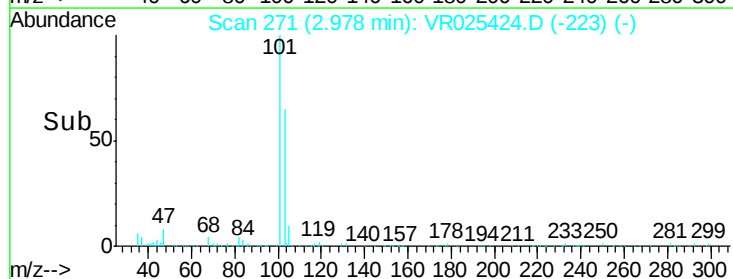
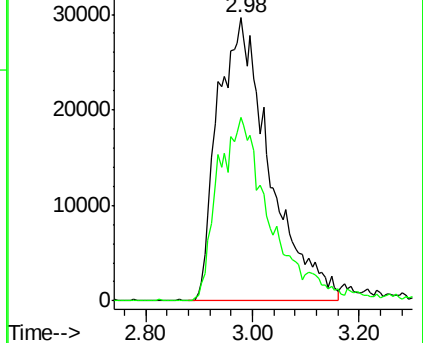
101 100

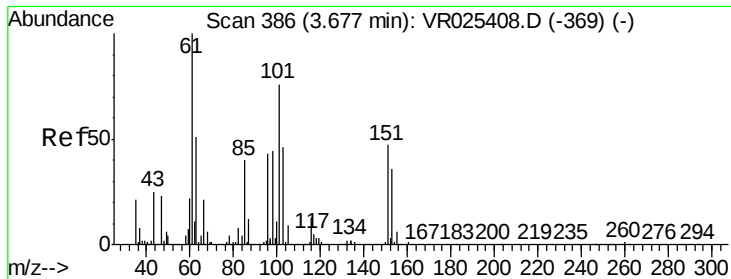
103 60.7 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.326 ug/L

RT: 3.68 min Scan# 387

Delta R.T. 0.01 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

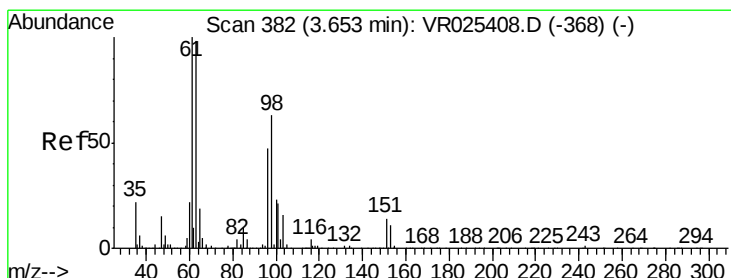
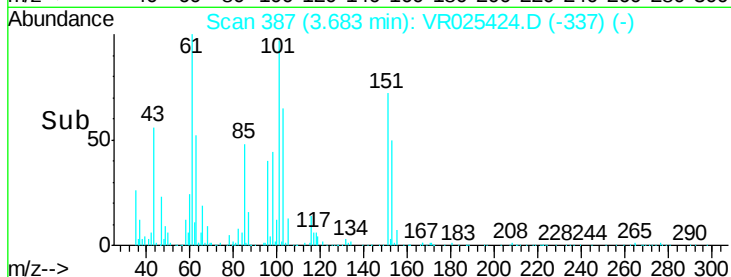
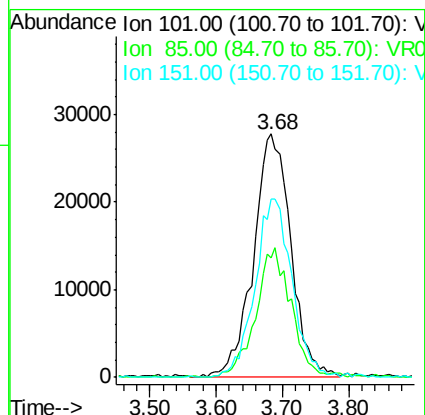
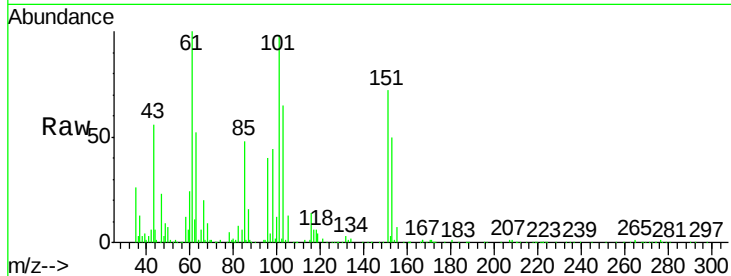
Instrument :

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ClientSampleId :

VSTD00597

Tgt Ion:	101	Resp:	109577
Ion Ratio	Lower	Upper	
101	100		
85	49.8	39.1	58.7
151	72.1	57.5	86.3



#12

1,1-Dichloroethene

Concen: 4.805 ug/L

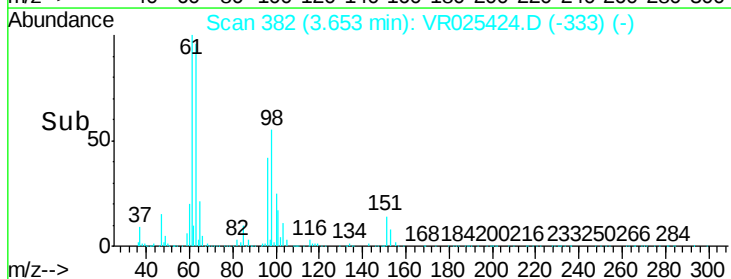
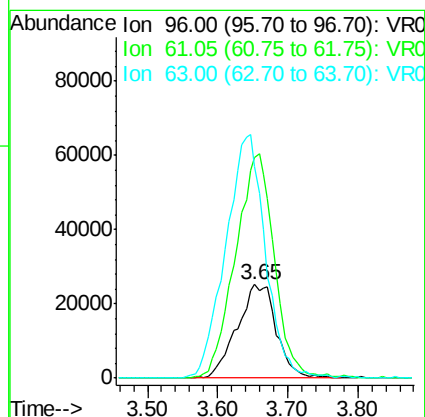
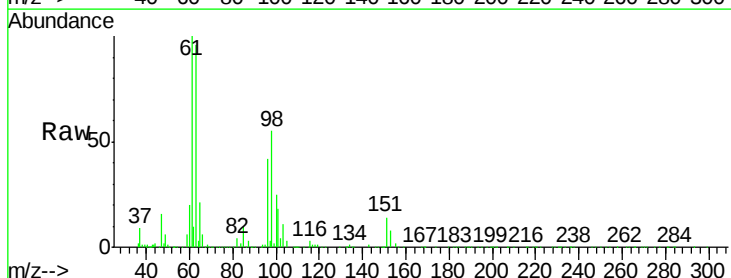
RT: 3.65 min Scan# 382

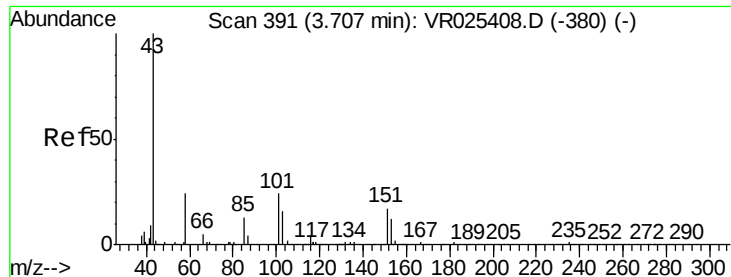
Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Tgt Ion:	96	Resp:	97939
Ion Ratio	Lower	Upper	
96	100		
61	235.7	155.0	287.9
63	227.3	122.3	227.1#





#13

Acetone

Concen: 47.968 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.01 min

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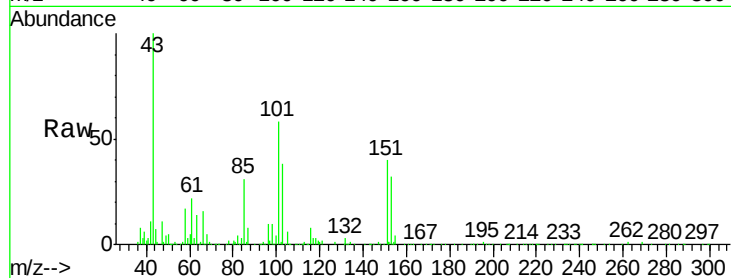
VSTD00597

Tgt Ion: 43 Resp: 114693

Ion Ratio Lower Upper

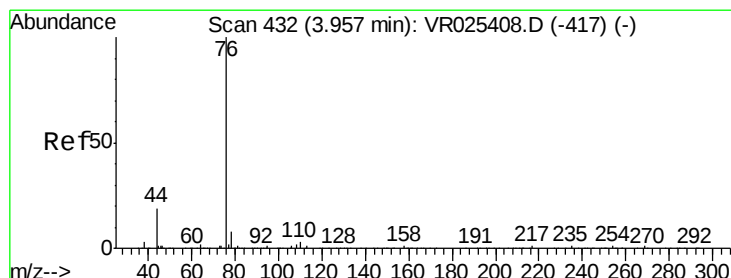
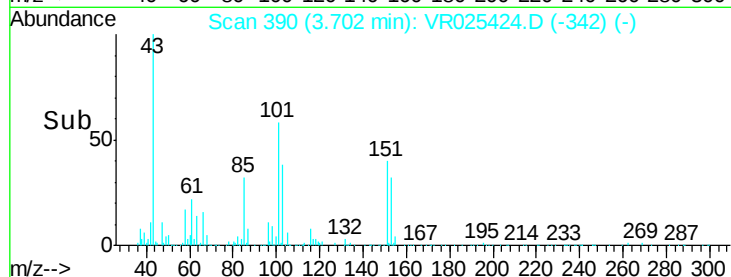
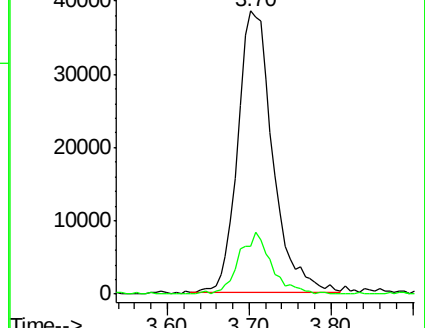
43 100

58 20.0 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.029 ug/L

RT: 3.97 min Scan# 434

Delta R.T. 0.01 min

Lab File: VR025424.D

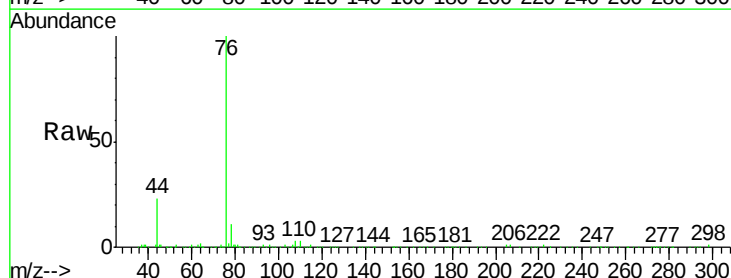
Acq: 25 Jun 2018 11:23

Tgt Ion: 76 Resp: 172787

Ion Ratio Lower Upper

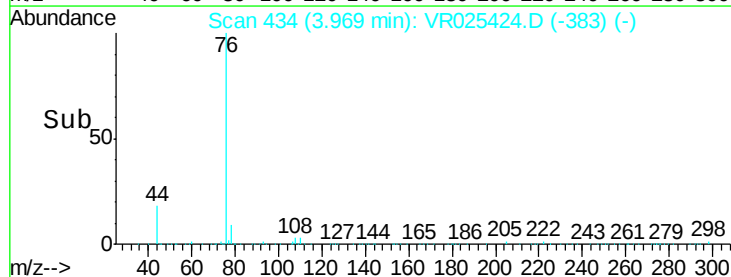
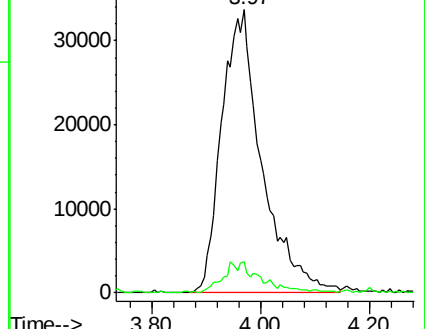
76 100

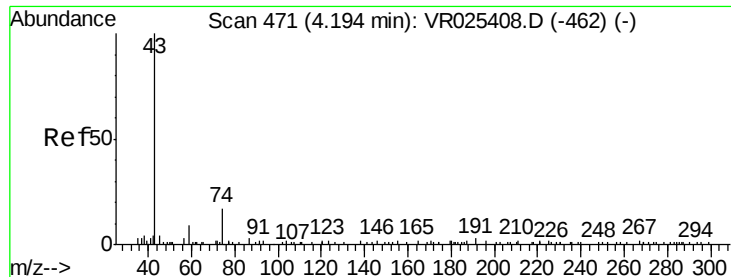
78 11.2 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

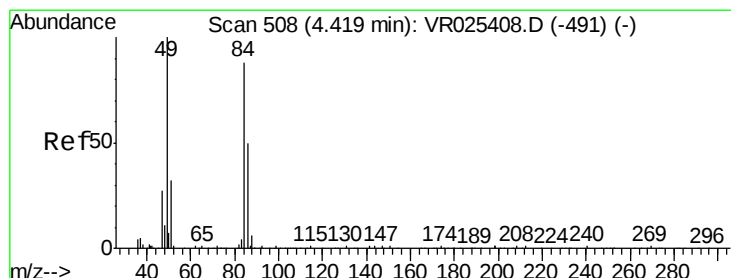
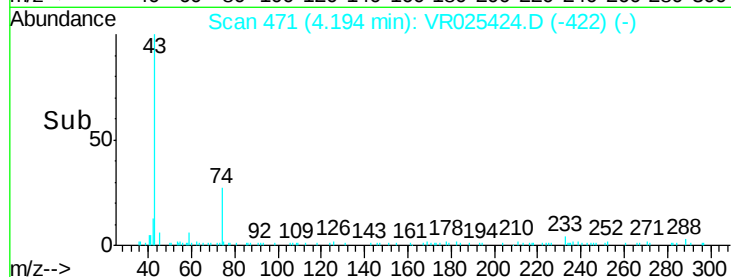
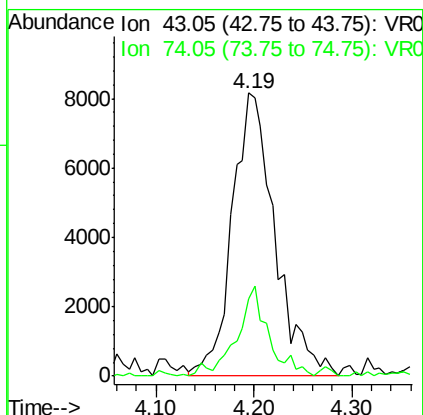
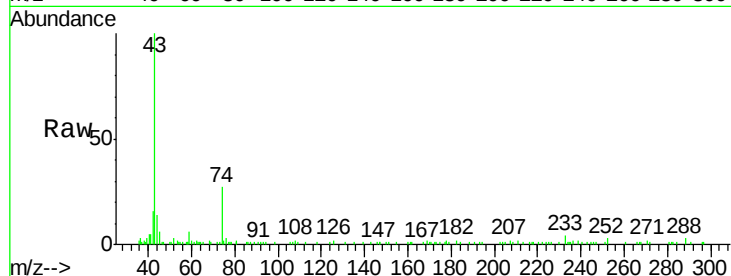




#15
Methyl Acetate
Concen: 4.107 ug/L
RT: 4.19 min Scan# 471
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

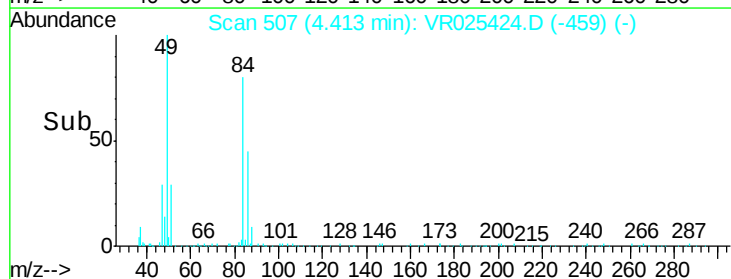
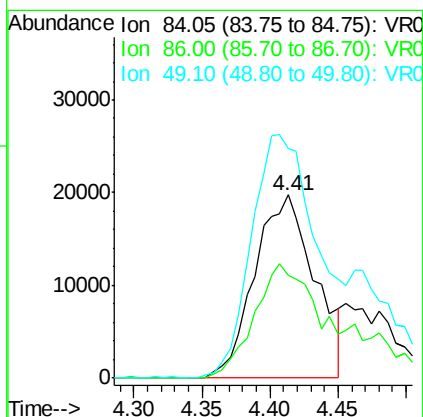
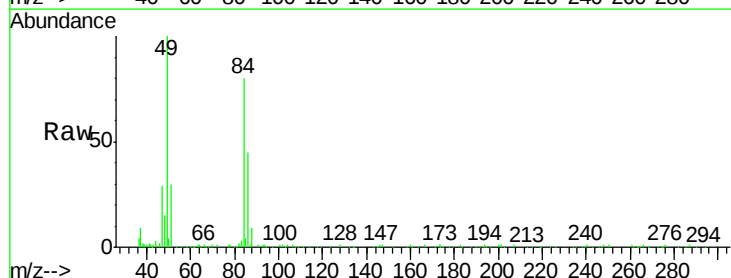
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

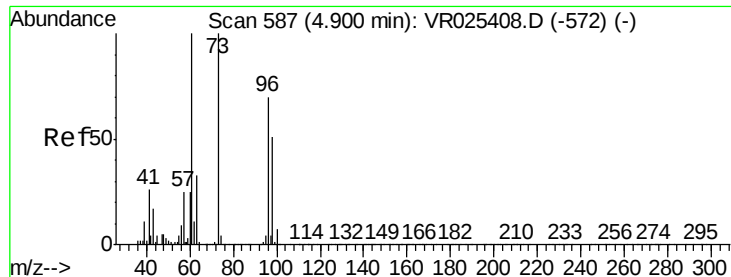
Tgt Ion: 43 Resp: 24692
Ion Ratio Lower Upper
43 100
74 23.7 16.7 25.1



#16
Methylene chloride
Concen: 3.274 ug/L
RT: 4.41 min Scan# 507
Delta R.T. -0.01 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

Tgt Ion: 84 Resp: 60723
Ion Ratio Lower Upper
84 100
86 55.8 43.7 81.1
49 125.4 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 4.774 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

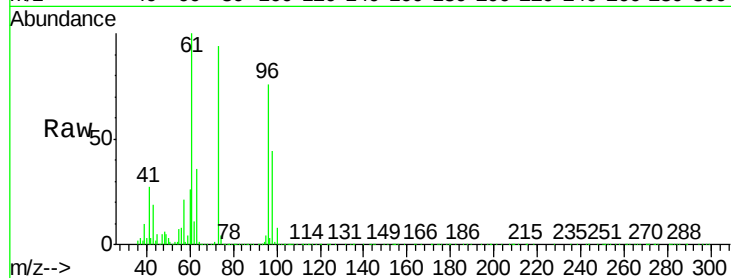
Tgt Ion: 73 Resp: 290096

Ion Ratio Lower Upper

73 100

43 19.3 15.8 23.6

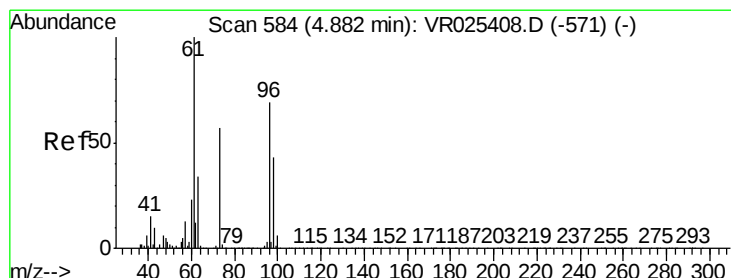
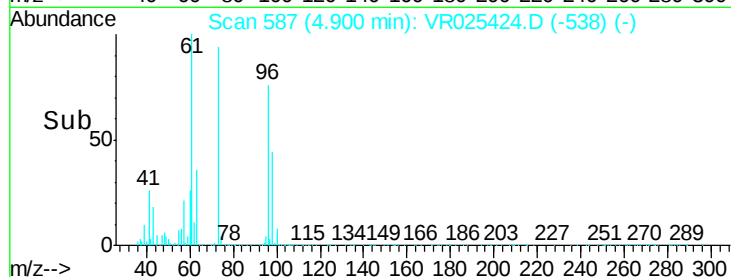
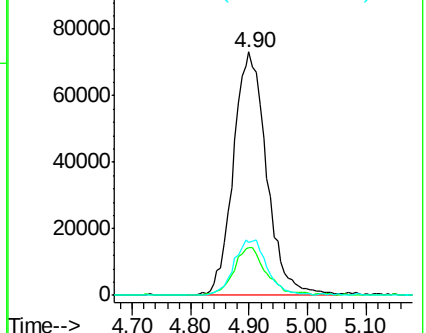
57 22.8 19.0 28.4



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: 5.470 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.01 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

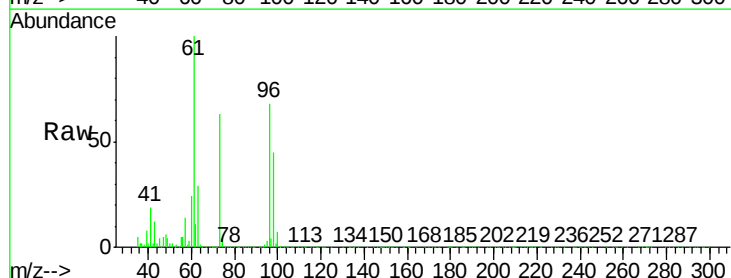
Tgt Ion: 96 Resp: 229190

Ion Ratio Lower Upper

96 100

61 146.1 104.4 193.8

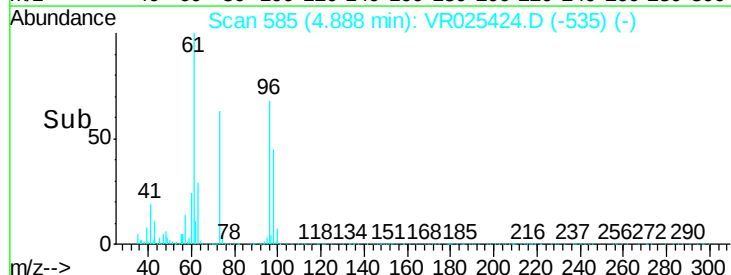
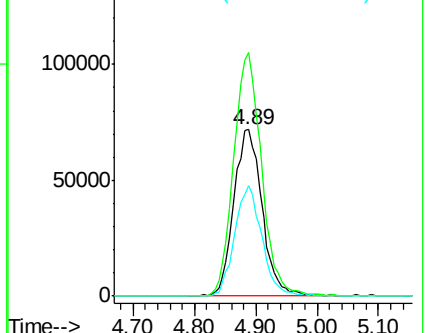
98 66.1 43.1 80.1

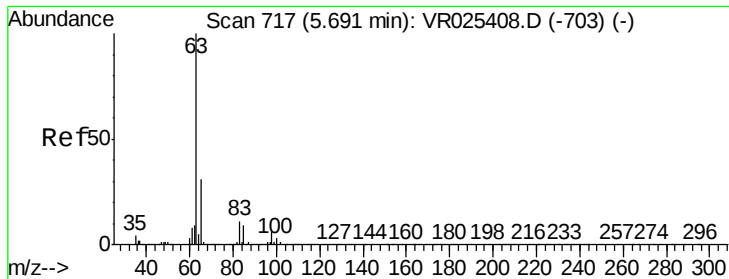


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

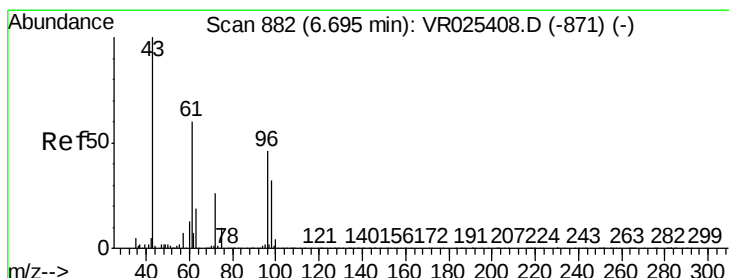
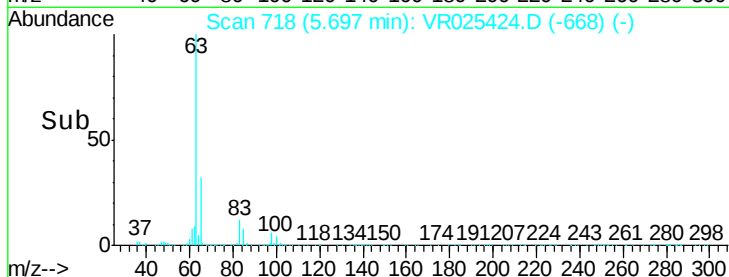
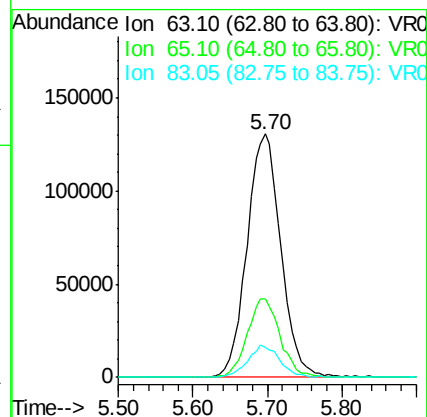
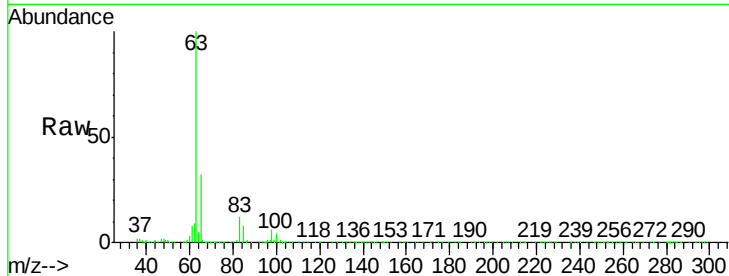




#19
 1,1-Dichloroethane
 Concen: 5.267 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

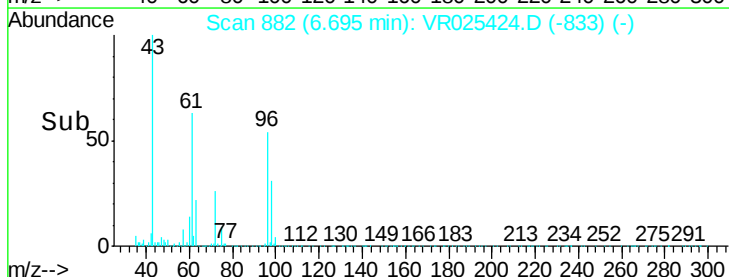
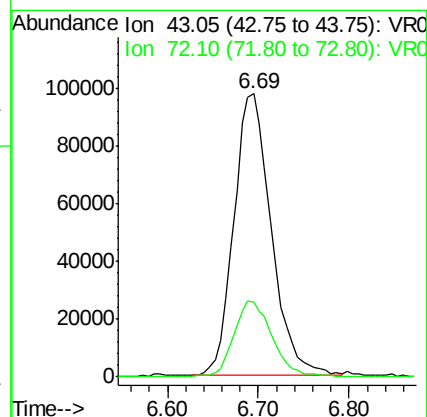
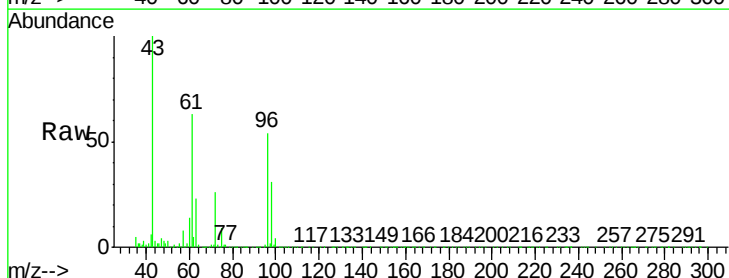
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

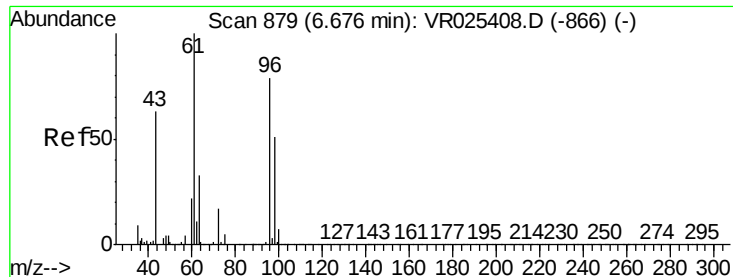
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.5	41.7
83	12.1	9.5	17.7



#21
 2-Butanone
 Concen: 49.078 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.8	13.0	38.9



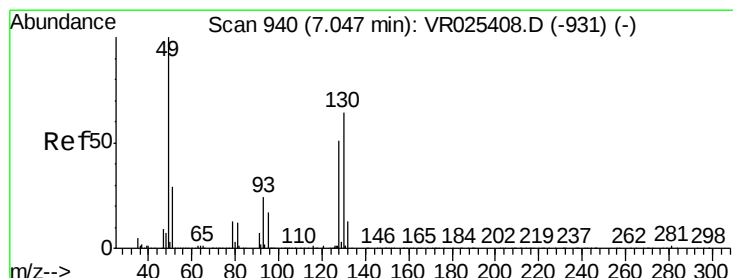
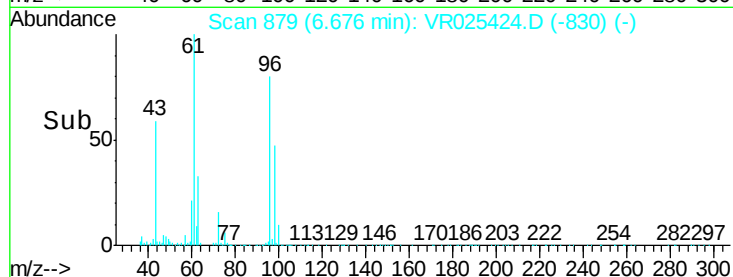
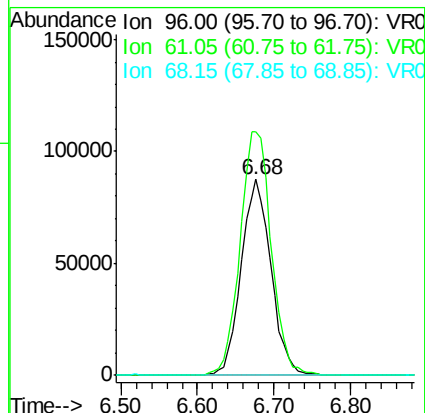
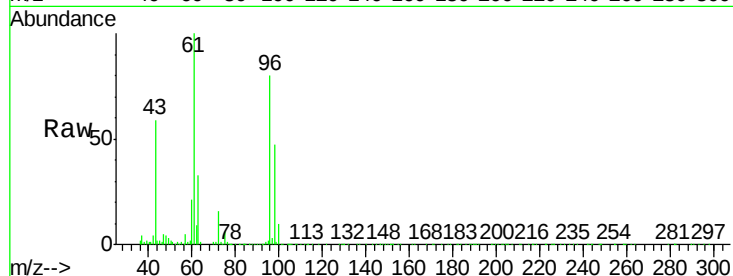


#22

cis-1,2-Dichloroethene
Concen: 5.399 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

Instrument :
MSVOA_R
ClientSampled :
VSTD00597

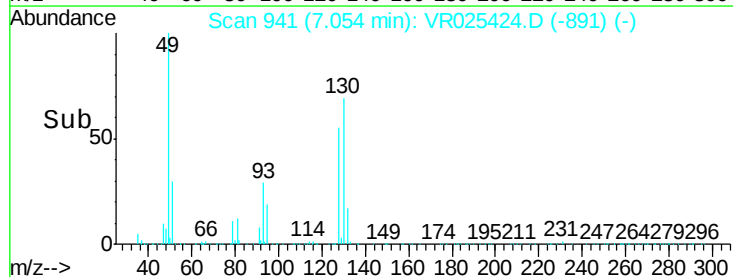
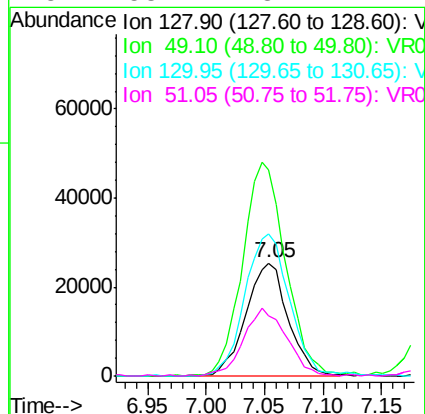
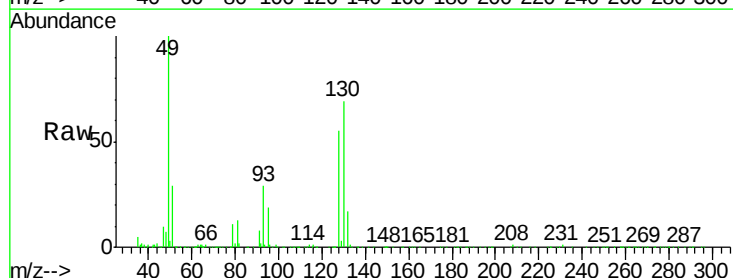
Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.3	91.0	169.0
68	0.0	0.0	0.0

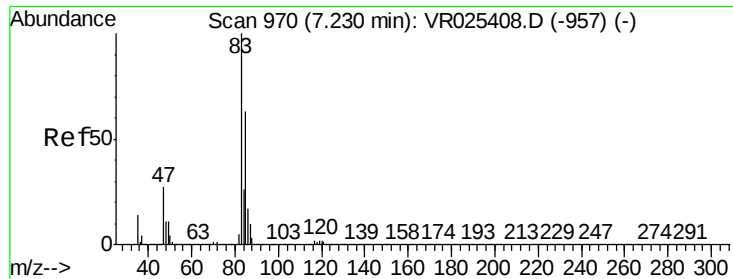


#23

Bromochloromethane
Concen: 4.984 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.01 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	182.3	128.7	238.9
130	125.6	87.2	161.9
51	53.7	48.2	72.2

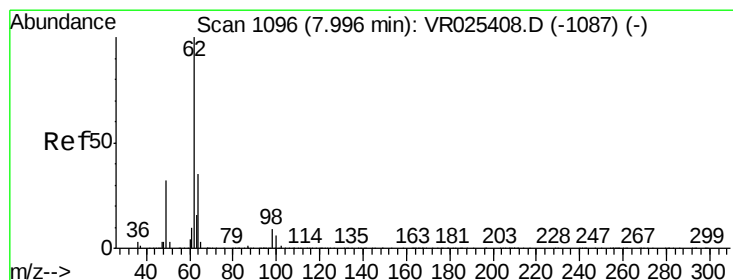
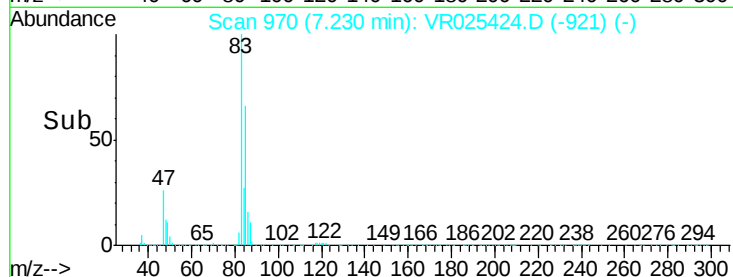
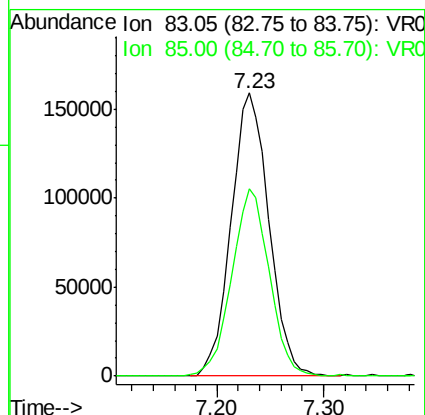
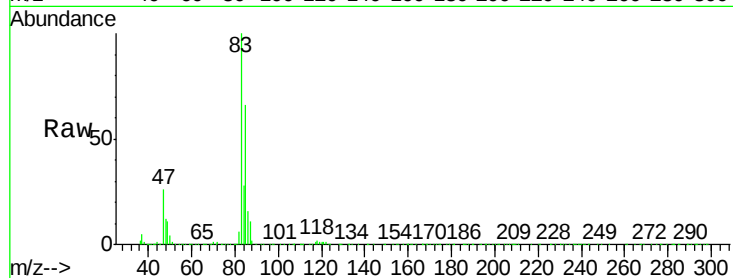




#25
Chloroform
Concen: 5.494 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

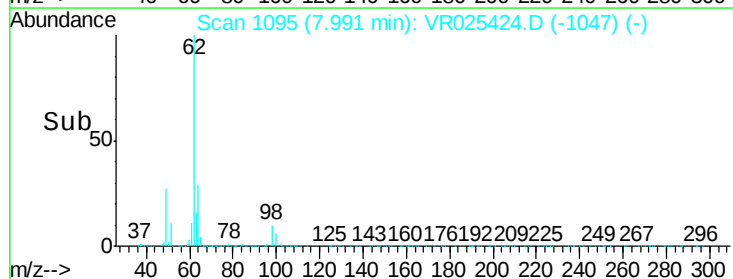
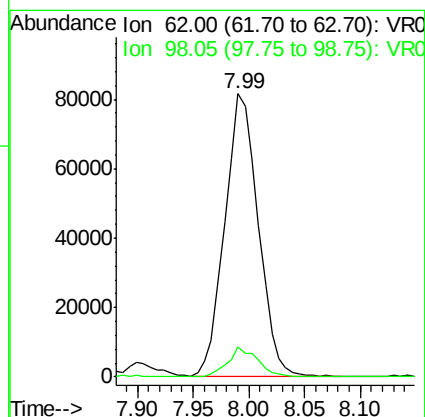
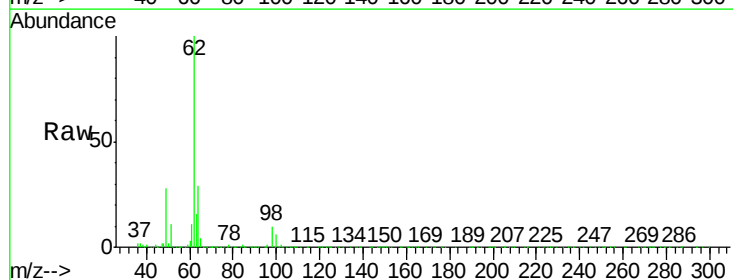
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

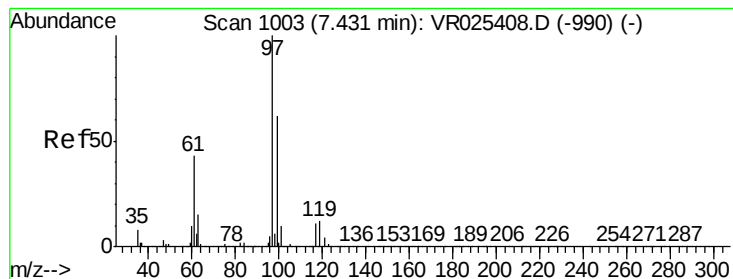
Tgt Ion: 83 Resp: 395323
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.150 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

Tgt Ion: 62 Resp: 169173
Ion Ratio Lower Upper
62 100
98 10.4 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 5.112 ug/L

RT: 7.43 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampled :

VSTD00597

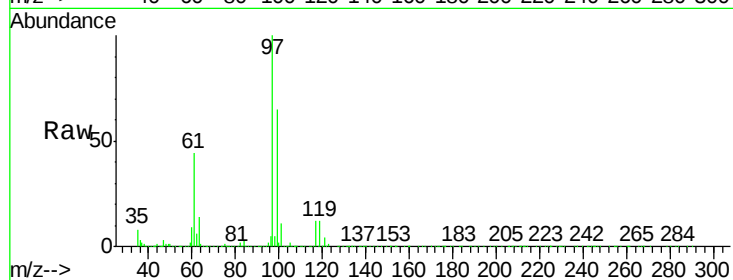
Tgt Ion: 97 Resp: 292470

Ion Ratio Lower Upper

97 100

99 63.1 52.1 78.1

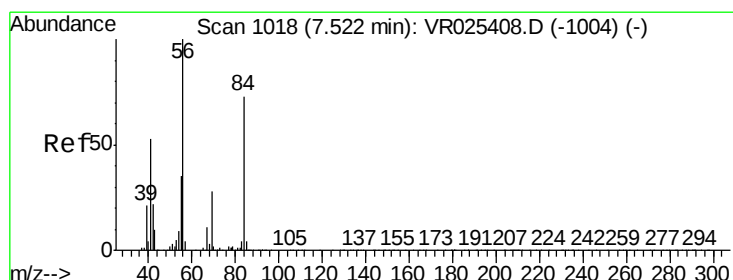
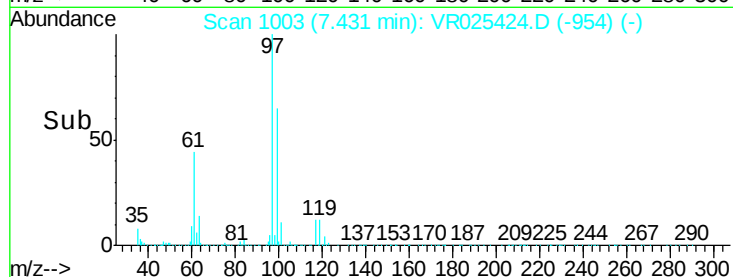
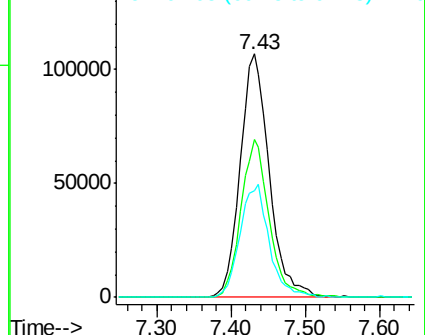
61 46.5 37.0 55.6



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: 4.540 ug/L

RT: 7.52 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

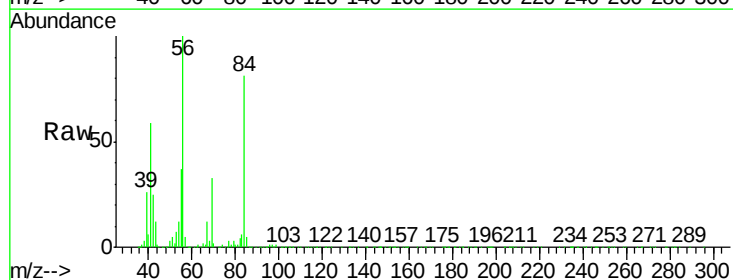
Tgt Ion: 56 Resp: 331601

Ion Ratio Lower Upper

56 100

69 31.3 23.7 35.5

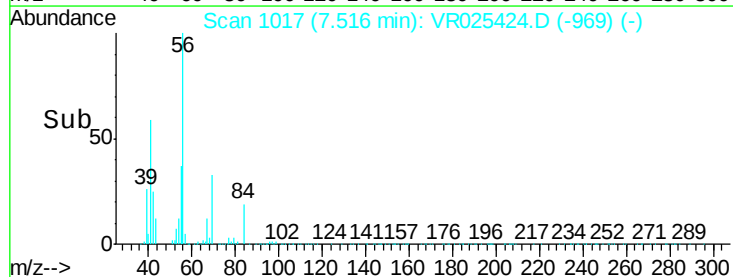
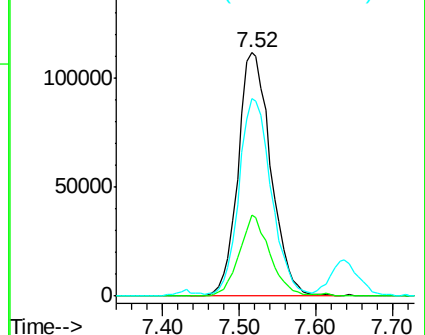
84 80.3 62.6 93.8

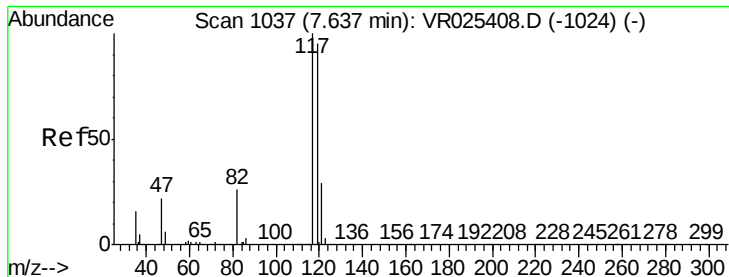


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.261 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

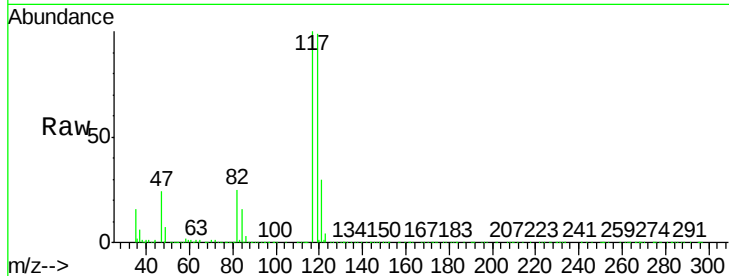
VSTD00597

Tgt Ion:117 Resp: 264259

Ion Ratio Lower Upper

117 100

119 99.9 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

120000

100000

80000

60000

40000

20000

0

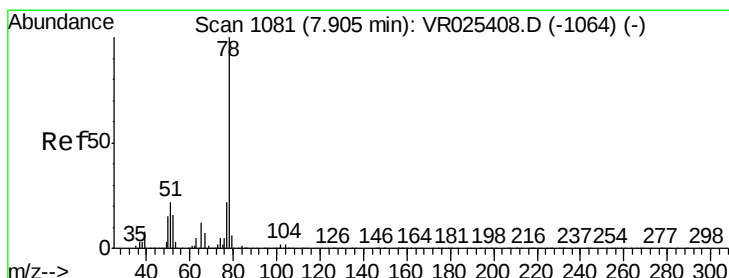
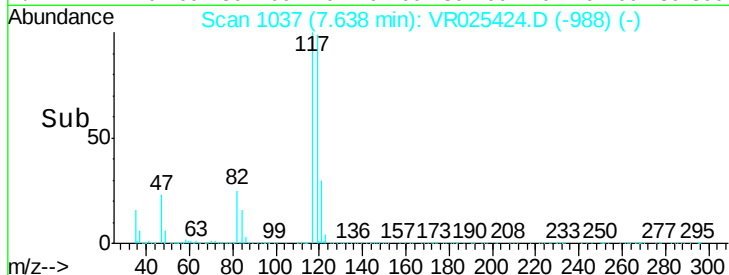
7.50

7.60

7.70

7.80

Time-->



#33

Benzene

Concen: 5.108 ug/L

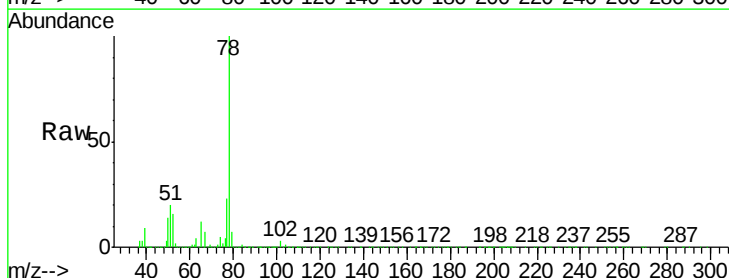
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Tgt Ion: 78 Resp: 966118



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

300000

200000

100000

0

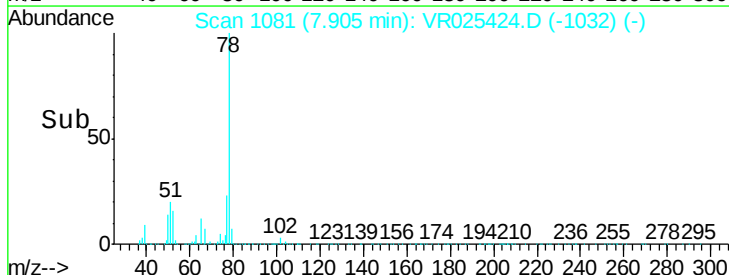
7.70

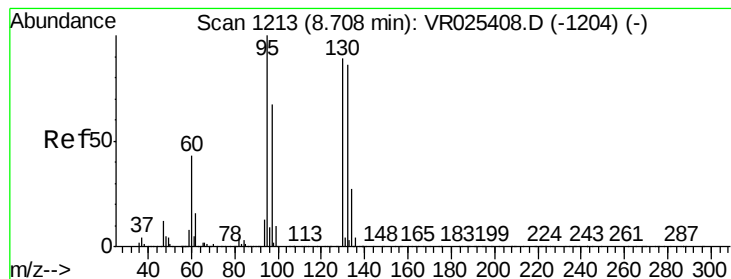
7.80

7.90

8.00

Time-->





#34

Trichloroethene

Concen: 5.096 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tgt Ion: 95 Resp: 233181

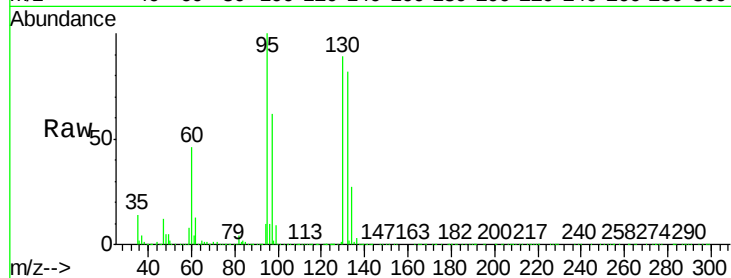
Ion Ratio Lower Upper

95 100

97 62.2 45.6 84.6

132 81.8 60.9 113.1

130 89.3 62.0 115.2

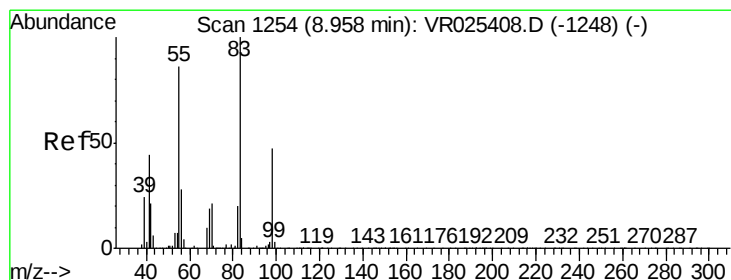
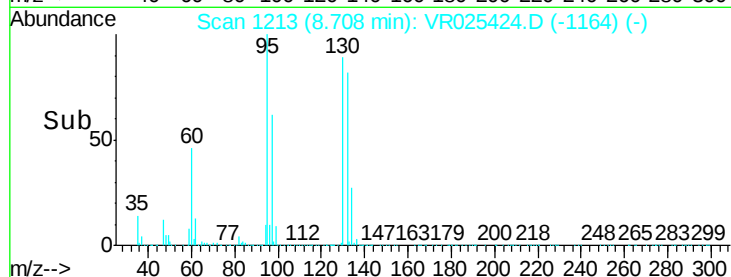
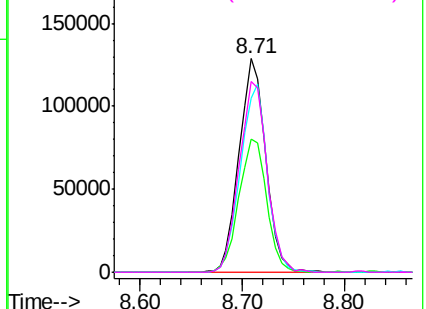


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.937 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

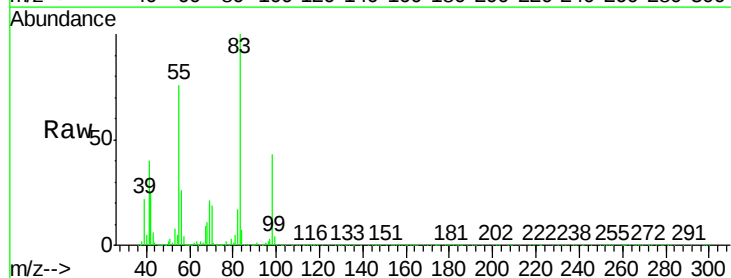
Tgt Ion: 83 Resp: 356496

Ion Ratio Lower Upper

83 100

55 79.7 66.1 99.1

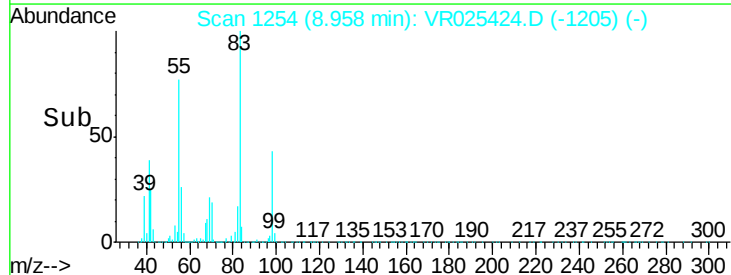
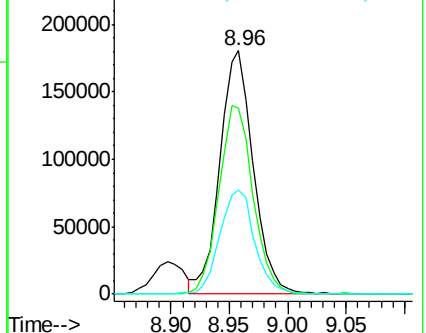
98 45.0 36.2 54.4

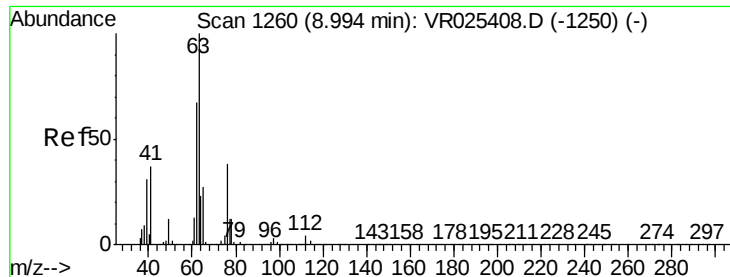


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.257 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

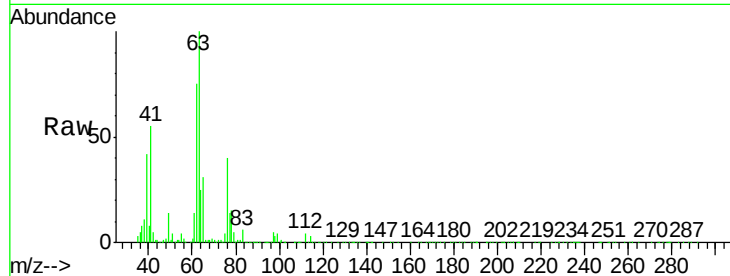
VSTD00597

Tgt Ion: 63 Resp: 221038

Ion Ratio Lower Upper

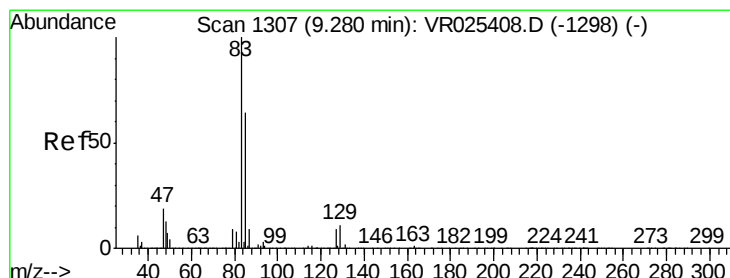
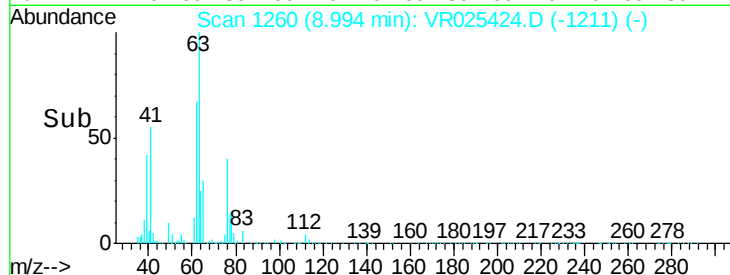
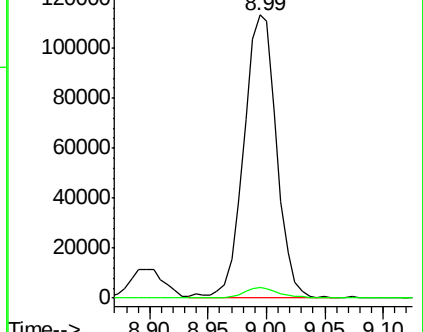
63 100

112 4.1 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.280 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

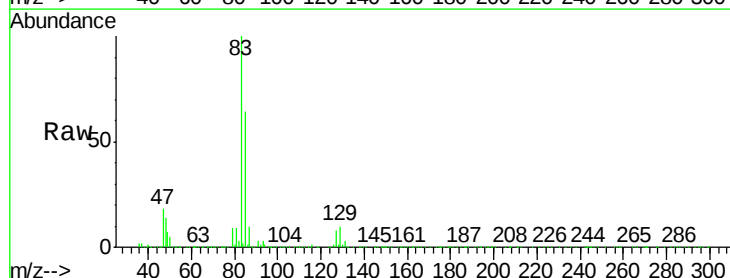
Tgt Ion: 83 Resp: 215293

Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.7

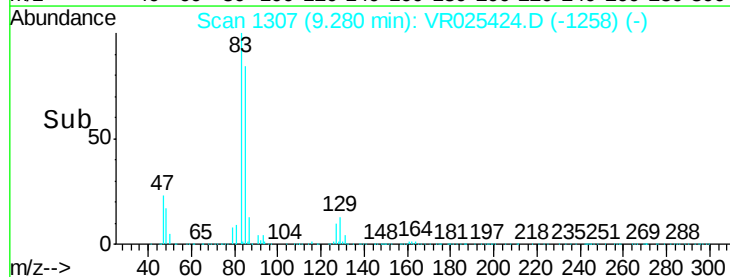
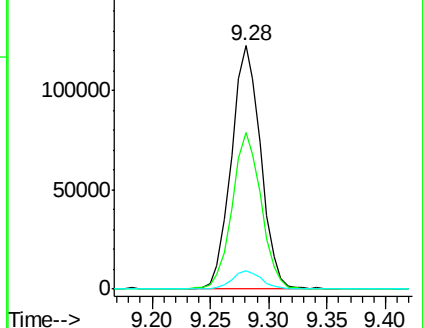
127 7.7 5.7 8.5

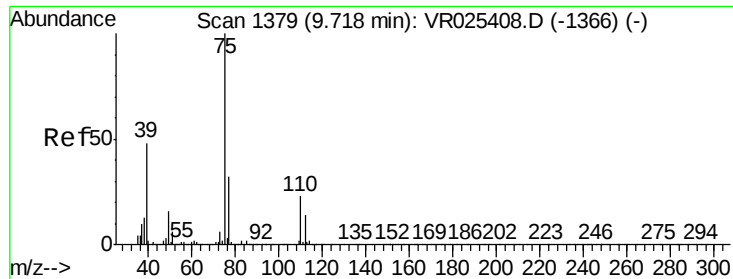


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 4.841 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

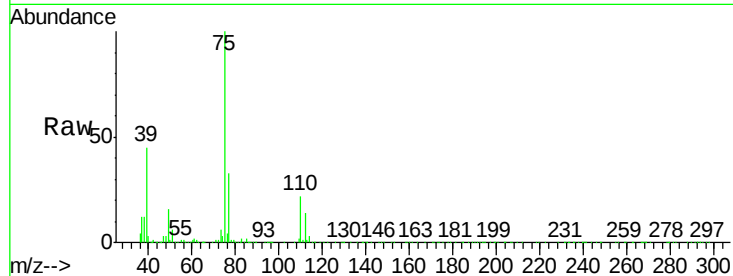
VSTD00597

Tgt Ion: 75 Resp: 239691

Ion Ratio Lower Upper

75 100

77 33.2 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

150000

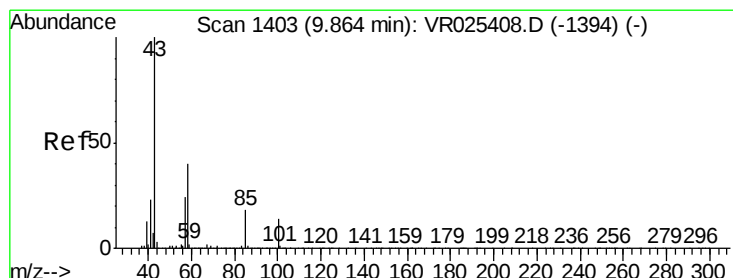
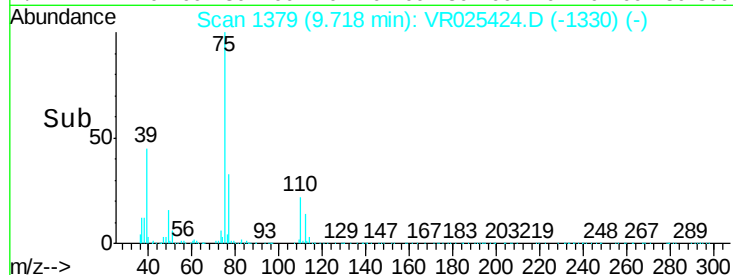
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 48.477 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

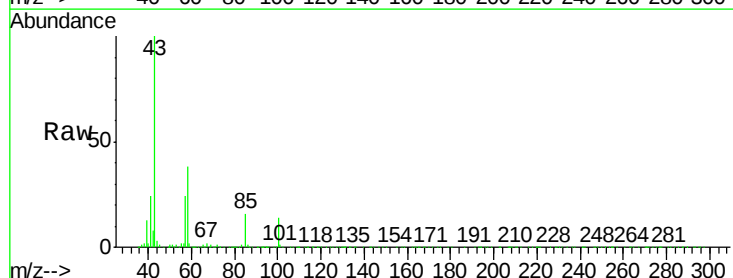
Tgt Ion: 43 Resp: 659539

Ion Ratio Lower Upper

43 100

58 39.6 30.3 45.5

100 13.7 10.3 15.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

500000

400000

300000

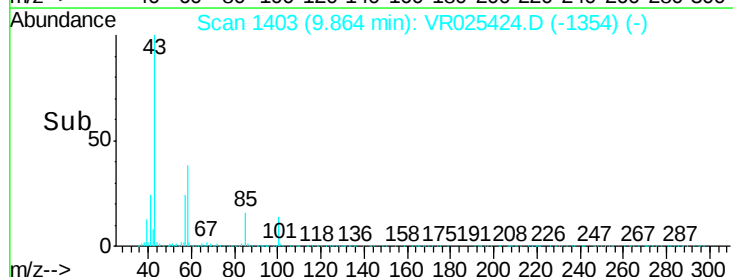
200000

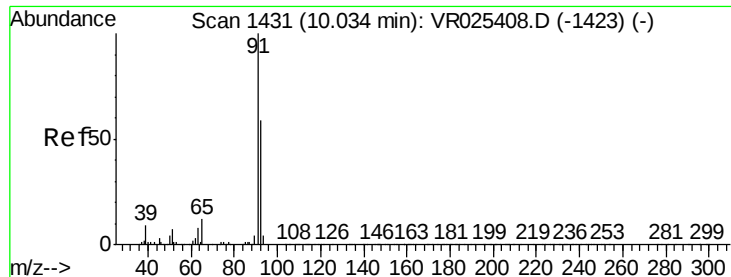
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 4.930 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

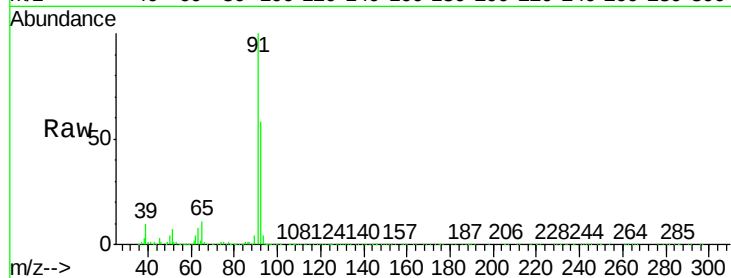
VSTD00597

Tgt Ion: 91 Resp: 999063

Ion Ratio Lower Upper

91 100

92 57.9 41.9 77.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.03

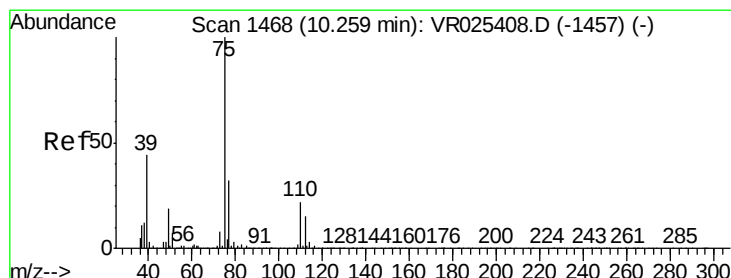
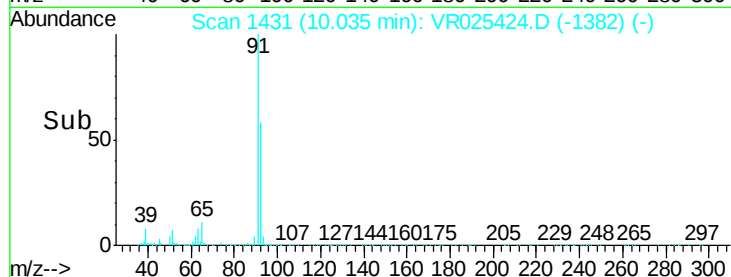
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.989 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.01 min

Lab File: VR025424.D

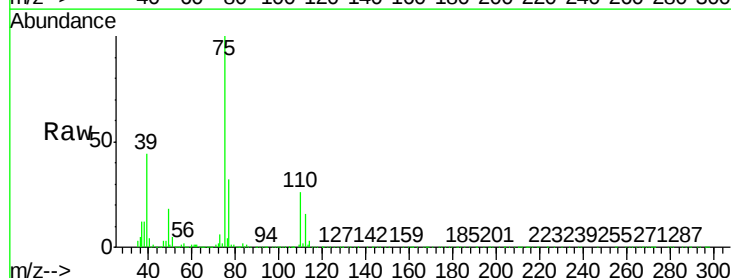
Acq: 25 Jun 2018 11:23

Tgt Ion: 75 Resp: 169933

Ion Ratio Lower Upper

75 100

77 31.7 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.27

120000

100000

80000

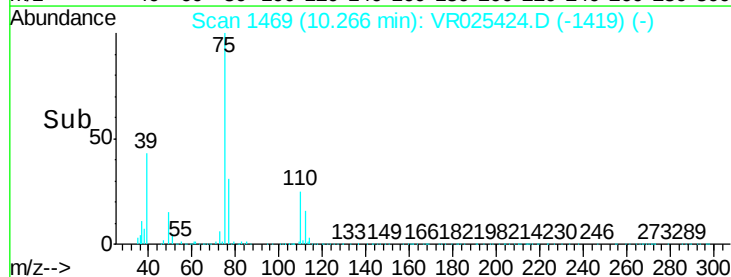
60000

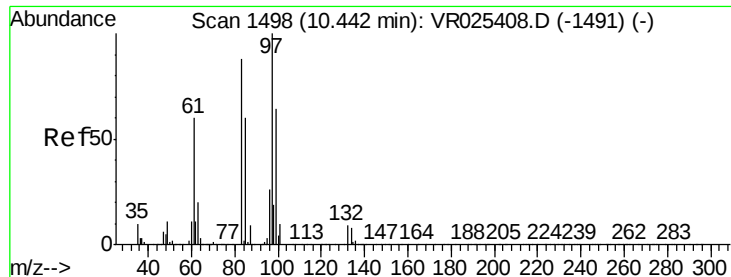
40000

20000

0

Time-->

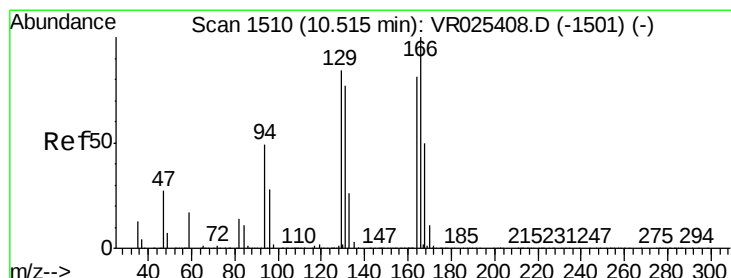
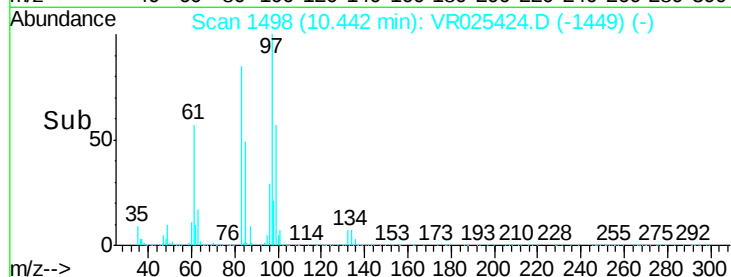
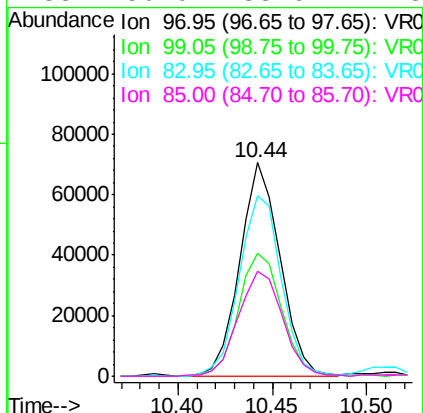
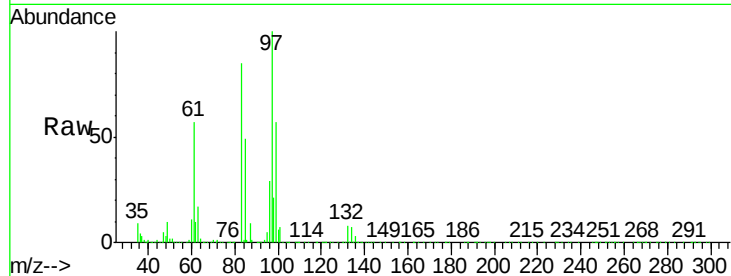




#45
 1,1,2-Trichloroethane
 Concen: 5.333 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

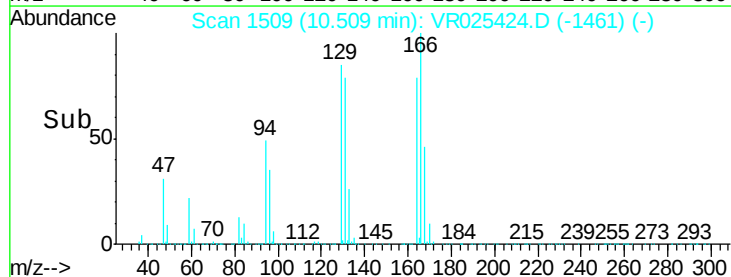
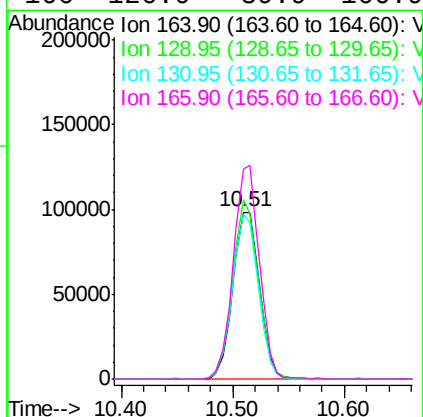
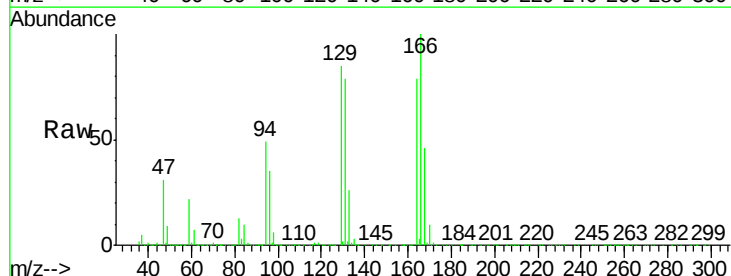
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00597

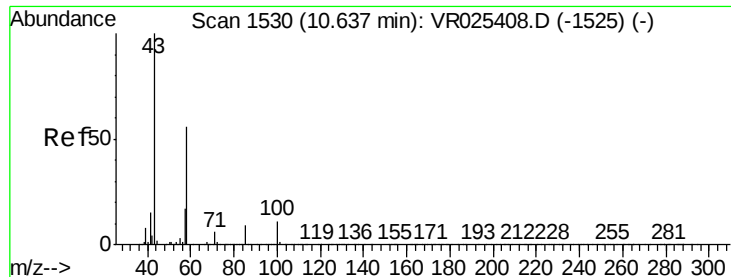
Tgt Ion:	97	Resp:	104087
Ion	Ratio	Lower	Upper
97	100		
99	57.4	41.9	77.9
83	84.7	64.5	119.9
85	50.0	38.6	71.8



#47
 Tetrachloroethene
 Concen: 5.365 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

Tgt Ion:	164	Resp:	163880
Ion	Ratio	Lower	Upper
164	100		
129	107.4	68.1	126.5
131	99.1	68.5	127.1
166	126.0	89.9	166.9

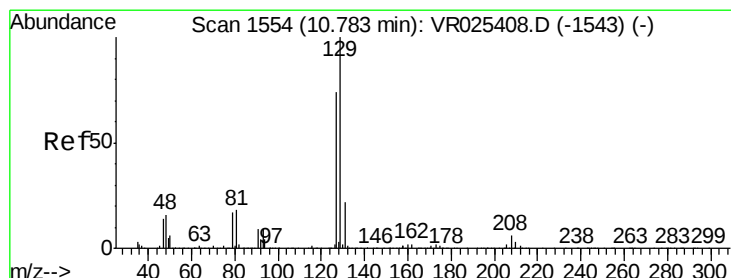
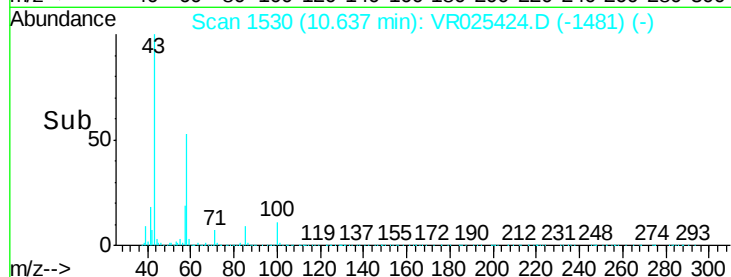
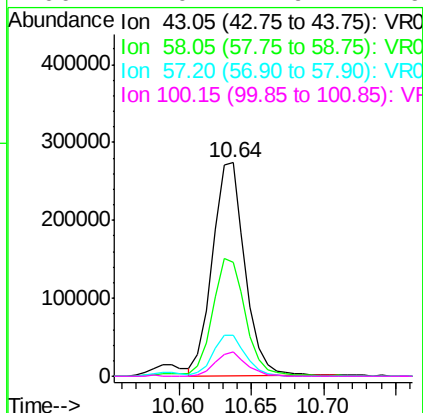
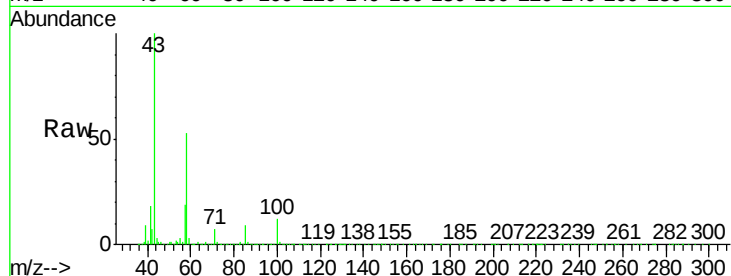




#48
2-Hexanone
Concen: 49.743 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

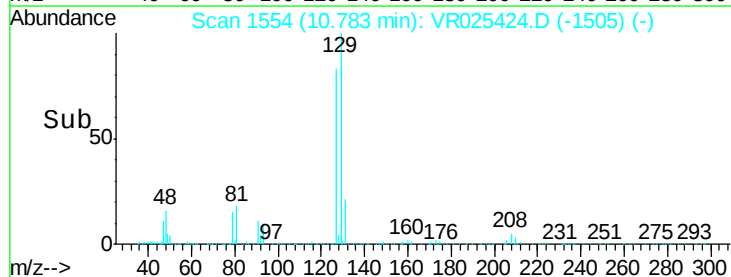
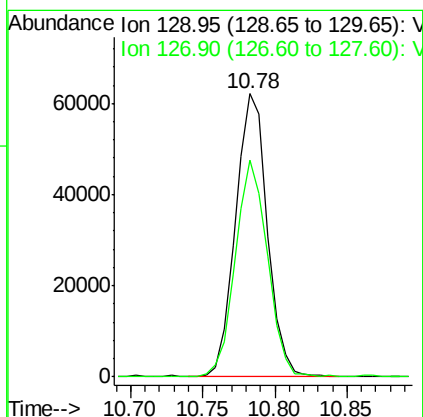
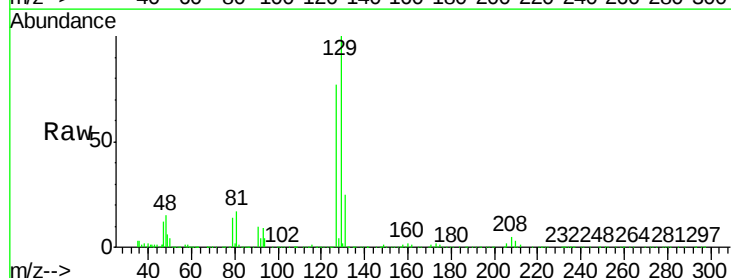
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

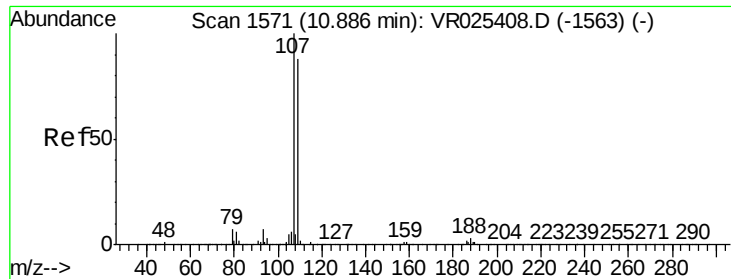
Tgt Ion:	43	Resp:	431404
Ion	Ratio	Lower	Upper
43	100		
58	57.6	43.1	64.7
57	19.5	15.3	22.9
100	11.0	7.9	11.9



#49
Dibromochloromethane
Concen: 5.074 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

Tgt Ion:	129	Resp:	95354
Ion	Ratio	Lower	Upper
129	100		
127	76.8	55.9	103.7

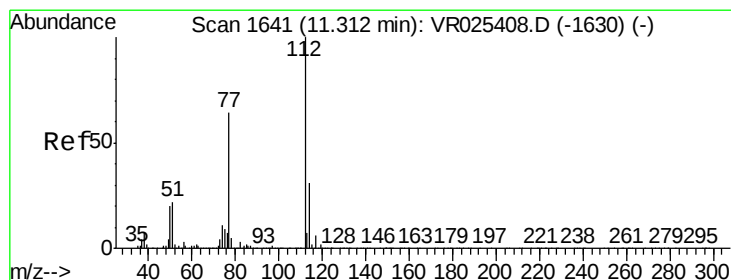
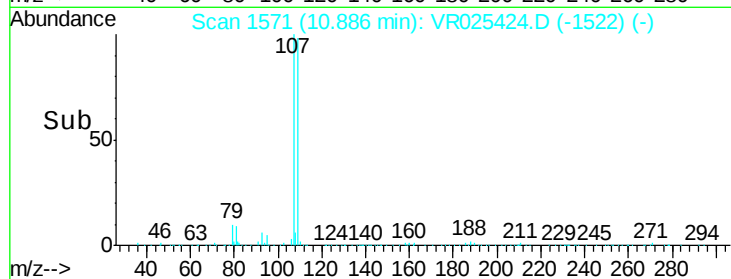
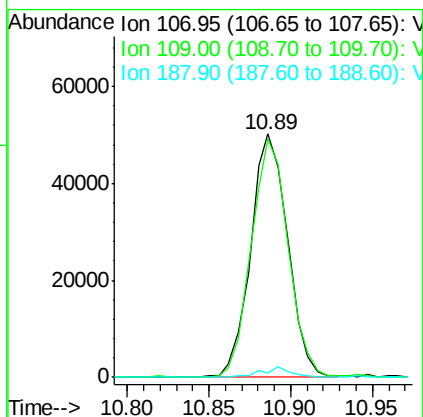
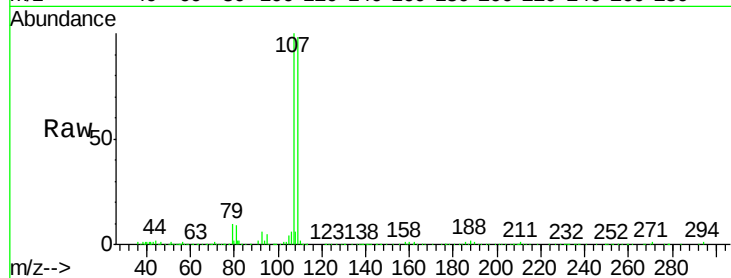




#50
1,2-Dibromoethane
Concen: 5.061 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

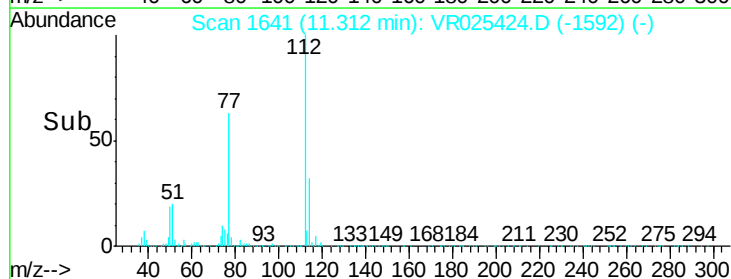
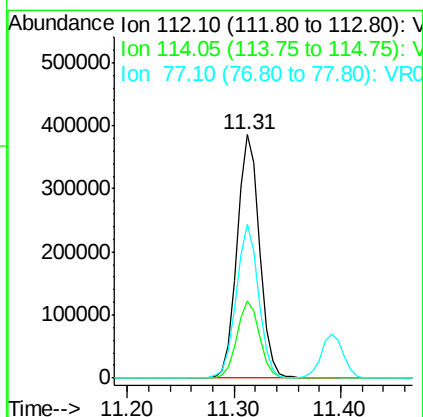
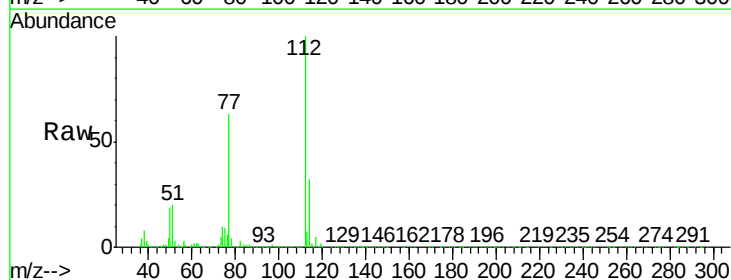
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

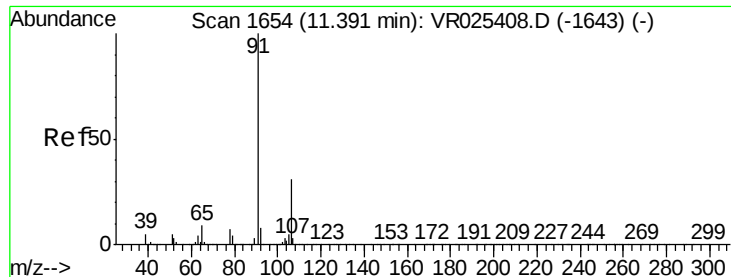
Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.9	63.1	117.3
188	2.0	1.8	2.8



#51
Chlorobenzene
Concen: 5.273 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.6	40.0
77	63.3	51.9	77.9





#52

Ethylbenzene

Concen: 5.644 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

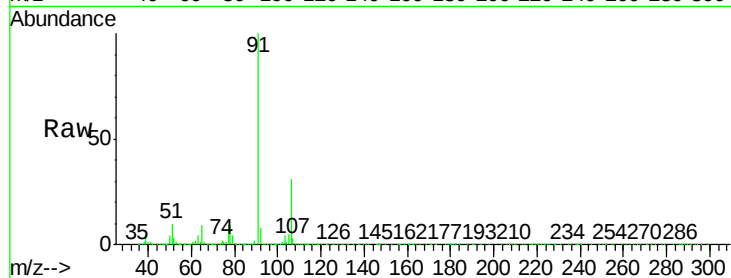
VSTD00597

Tgt Ion: 91 Resp: 1134821

Ion Ratio Lower Upper

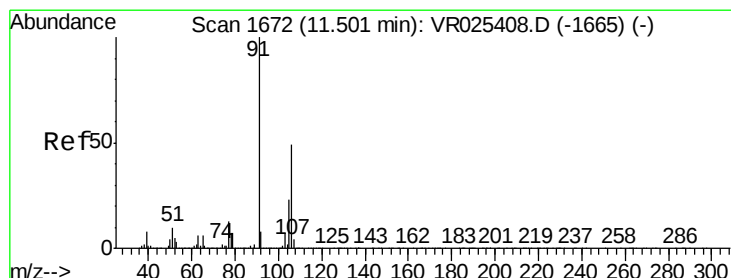
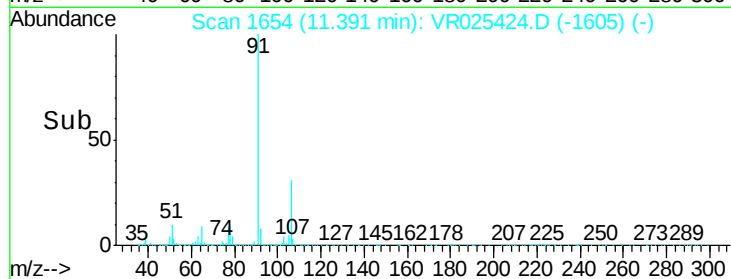
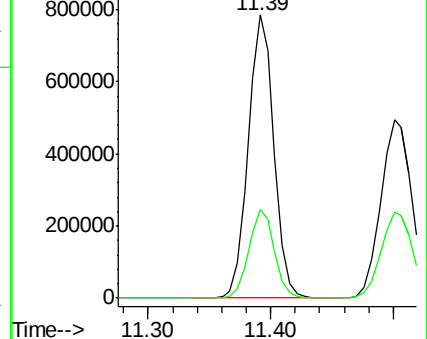
91 100

106 31.2 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: 5.513 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025424.D

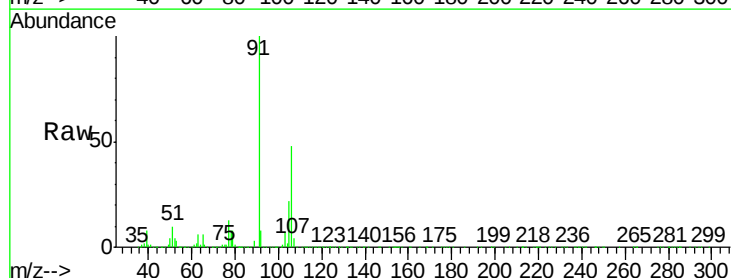
Acq: 25 Jun 2018 11:23

Tgt Ion: 106 Resp: 423214

Ion Ratio Lower Upper

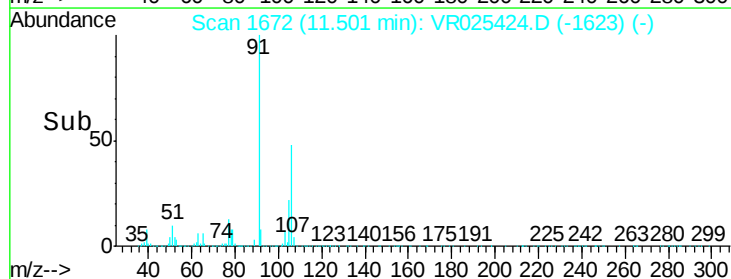
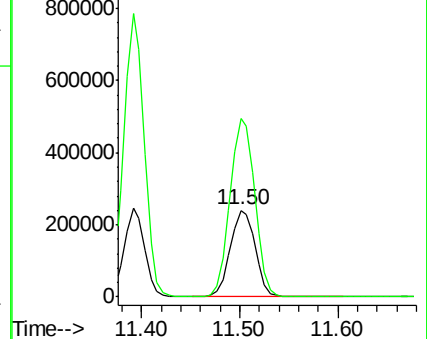
106 100

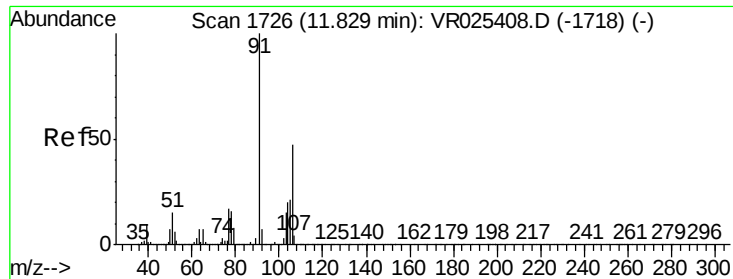
91 207.0 152.6 283.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

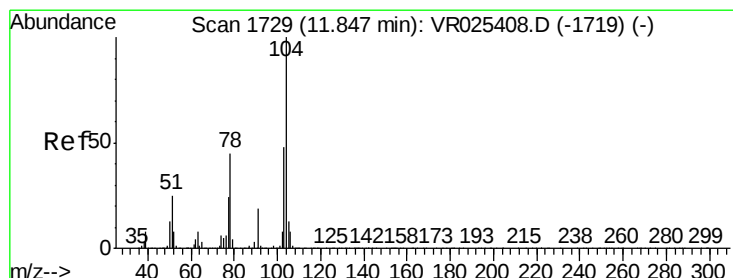
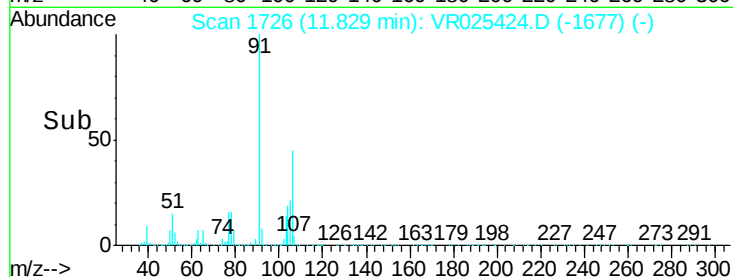
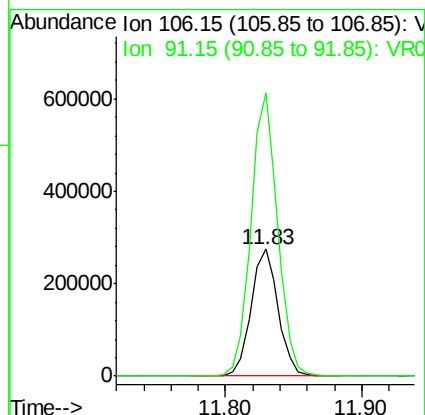
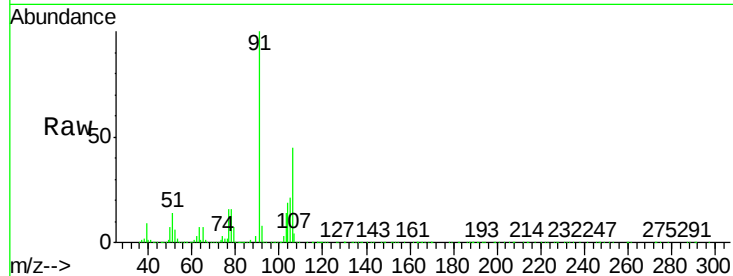




#54
o-Xylene
Concen: 5.567 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

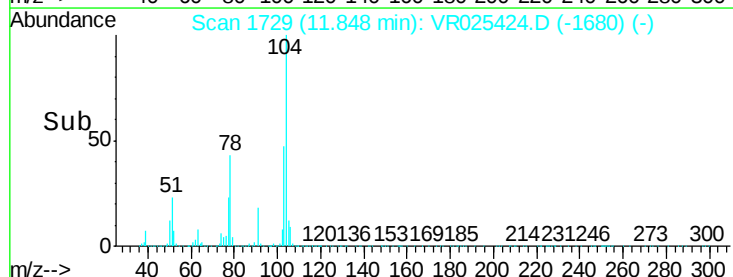
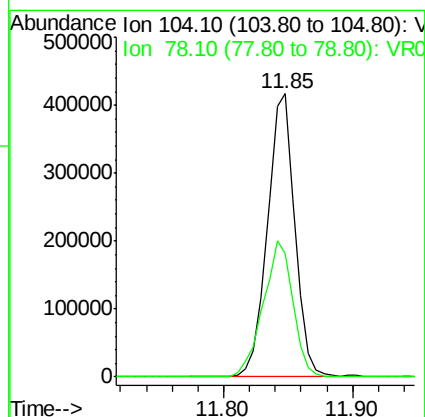
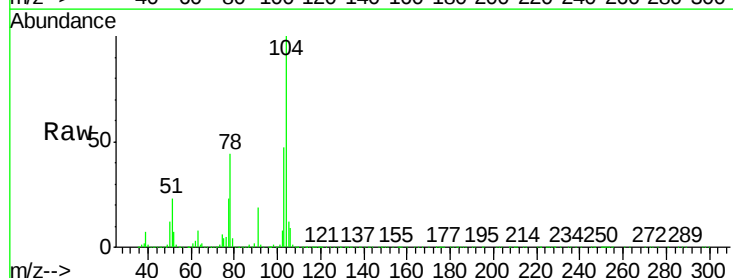
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

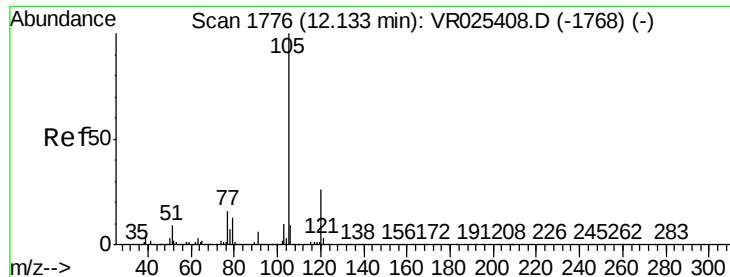
Tgt Ion:106 Resp: 381935
Ion Ratio Lower Upper
106 100
91 222.9 153.7 285.5



#55
Styrene
Concen: 5.811 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025424.D
Acq: 25 Jun 2018 11:23

Tgt Ion:104 Resp: 612635
Ion Ratio Lower Upper
104 100
78 43.5 35.4 65.7





#56

Isopropylbenzene

Concen: 5.880 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

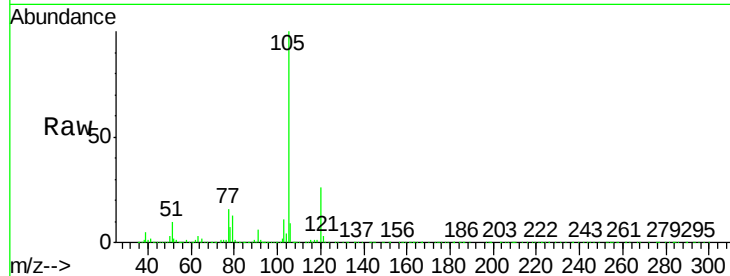
Tgt Ion:105 Resp: 1084530

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

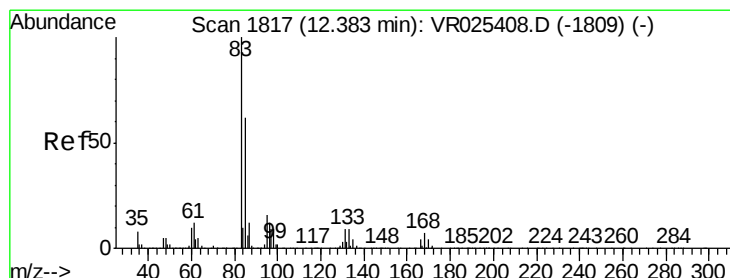
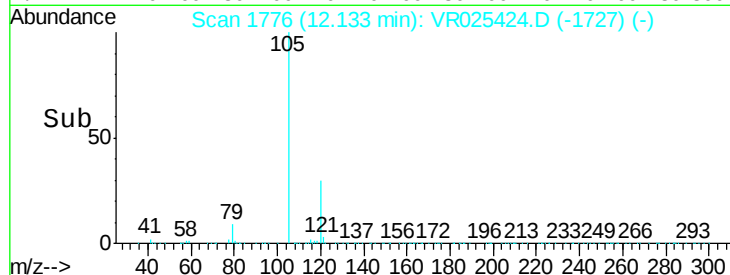
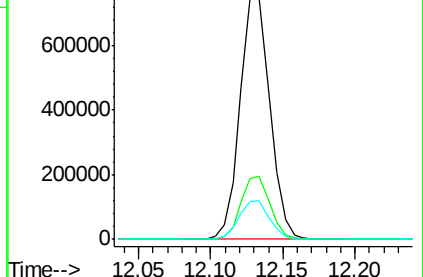
77 16.1 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.522 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

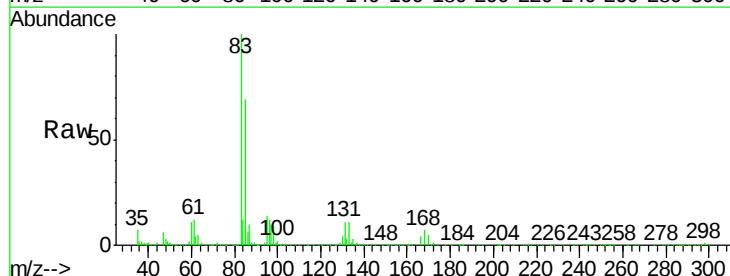
Tgt Ion: 83 Resp: 99814

Ion Ratio Lower Upper

83 100

85 69.4 41.8 77.6

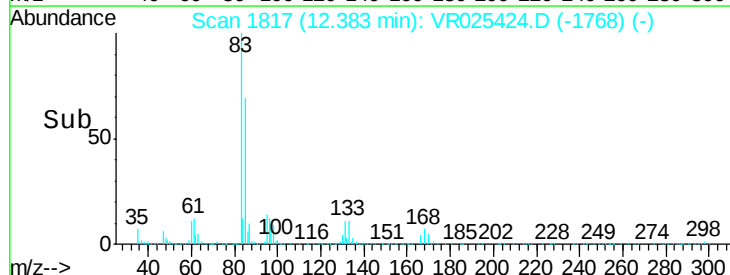
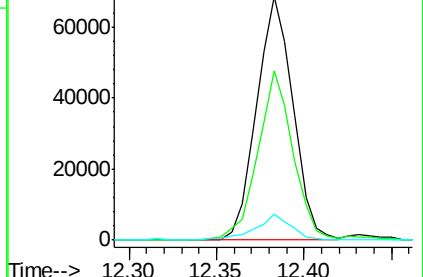
131 10.7 6.1 9.1#

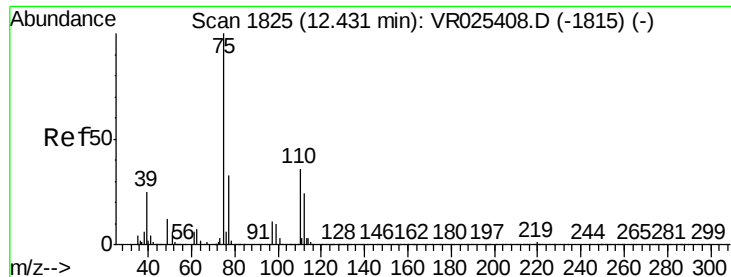


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

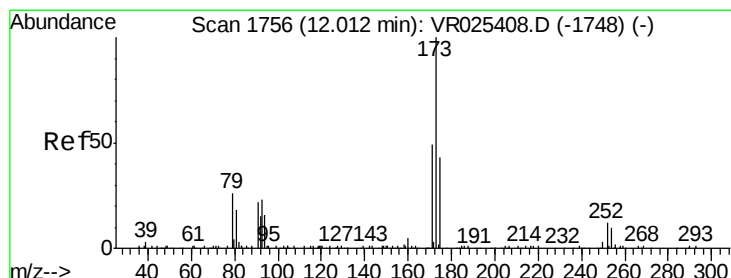
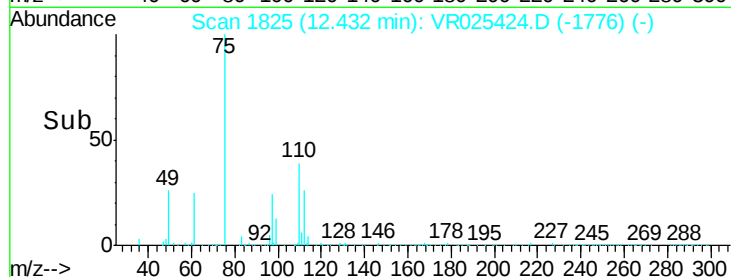
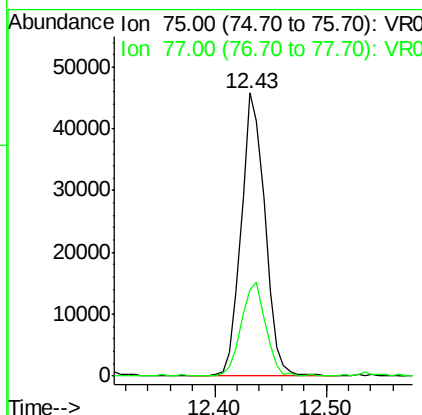
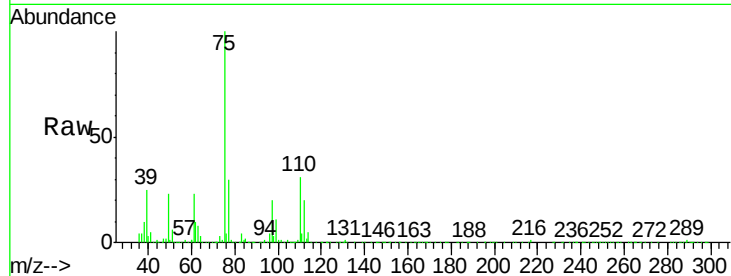




#59
 1,2,3-Trichloropropane
 Concen: 5.207 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

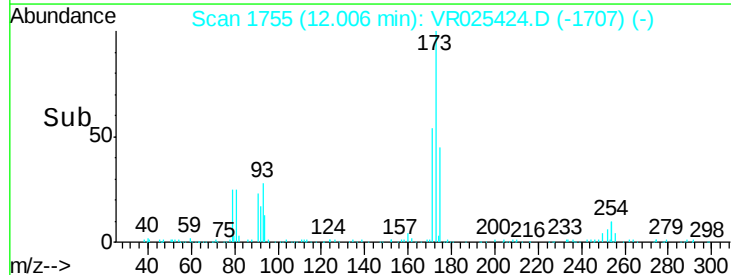
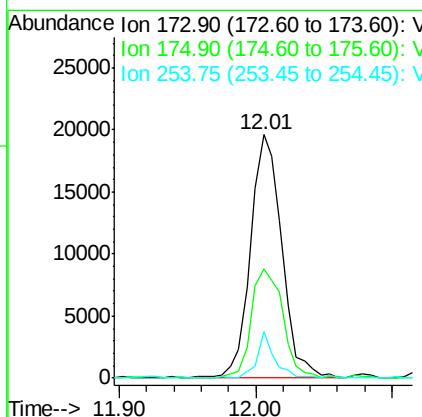
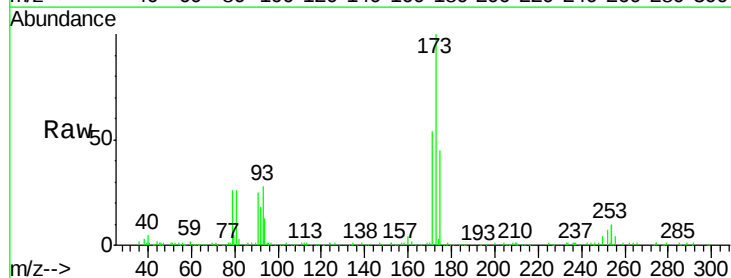
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

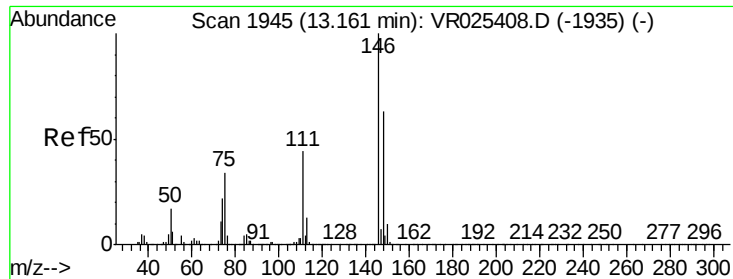
Tgt Ion: 75 Resp: 67919
 Ion Ratio Lower Upper
 75 100
 77 33.9 27.0 40.4



#61
 Bromoform
 Concen: 4.442 ug/L
 RT: 12.01 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

Tgt Ion: 173 Resp: 31751
 Ion Ratio Lower Upper
 173 100
 175 45.1 37.5 56.3
 254 10.6 8.7 13.1

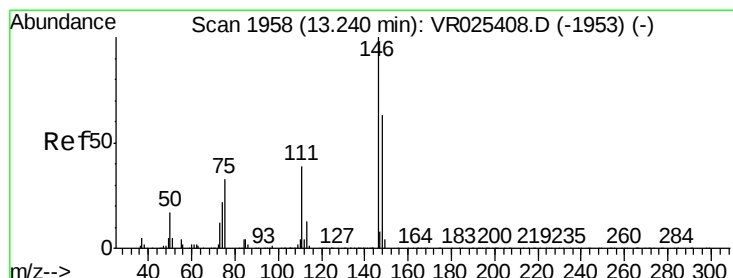
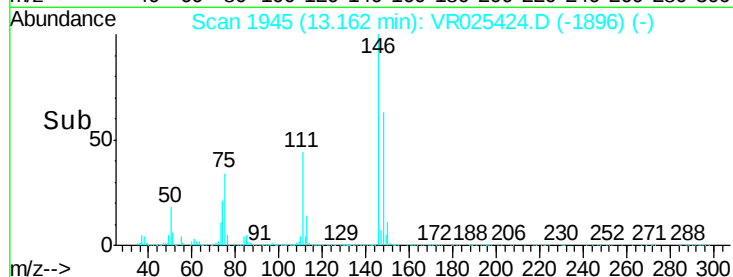
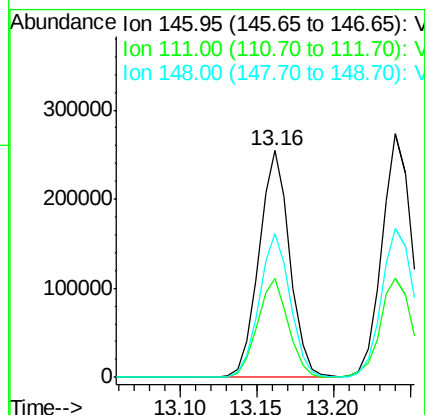
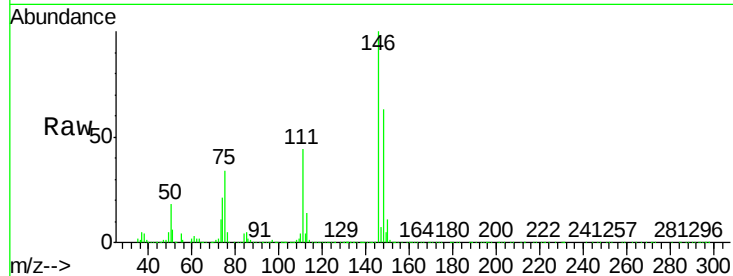




#62
 1,3-Dichlorobenzene
 Concen: 5.057 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

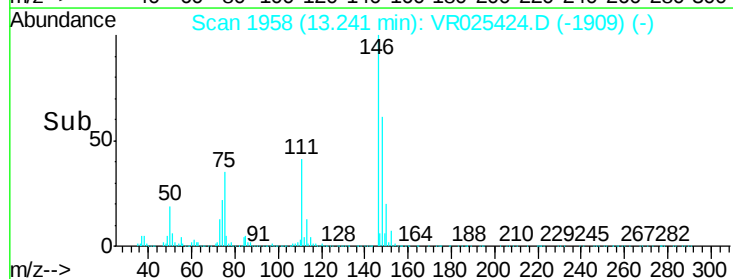
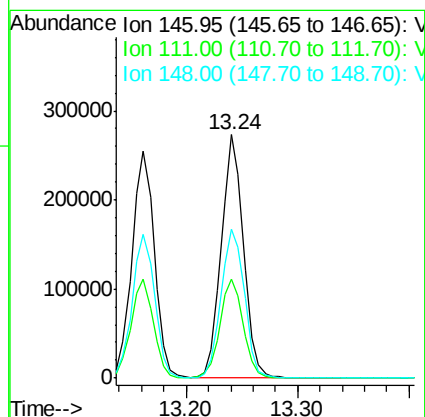
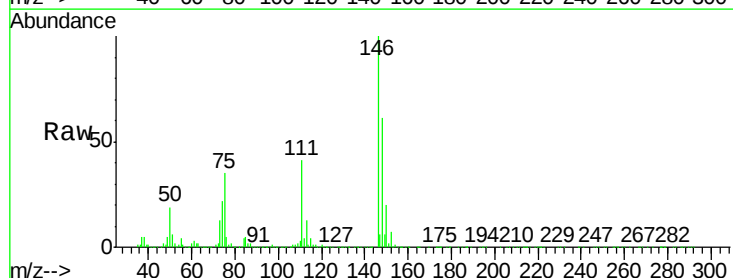
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

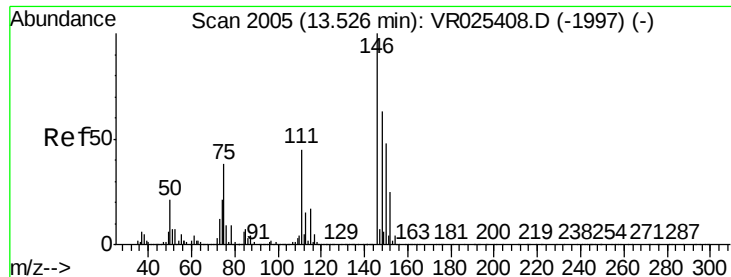
Tgt Ion:146 Resp: 355671
 Ion Ratio Lower Upper
 146 100
 111 44.0 31.0 57.6
 148 63.2 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 5.351 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

Tgt Ion:146 Resp: 376250
 Ion Ratio Lower Upper
 146 100
 111 40.6 30.5 56.7
 148 61.1 42.8 79.4

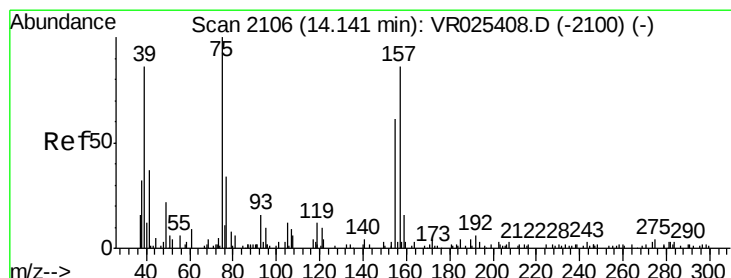
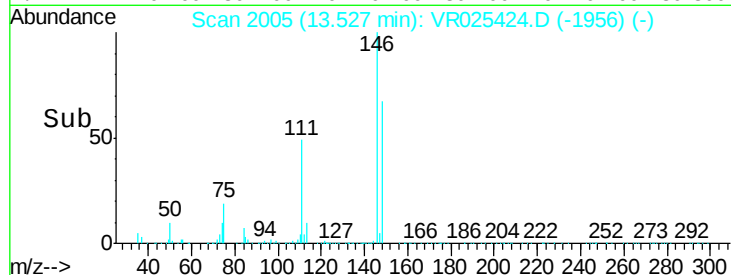
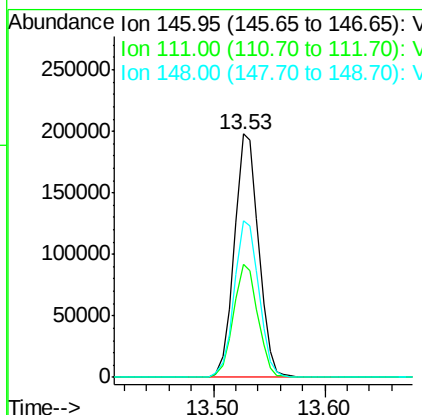
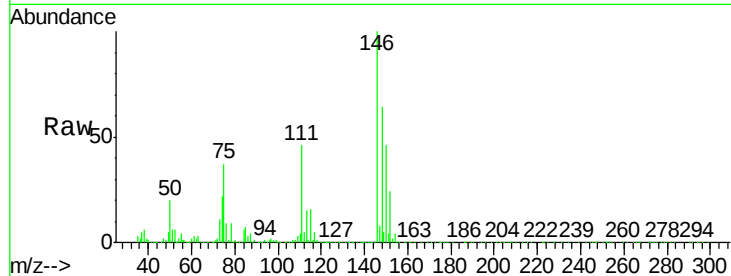




#65
 1,2-Dichlorobenzene
 Concen: 5.283 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

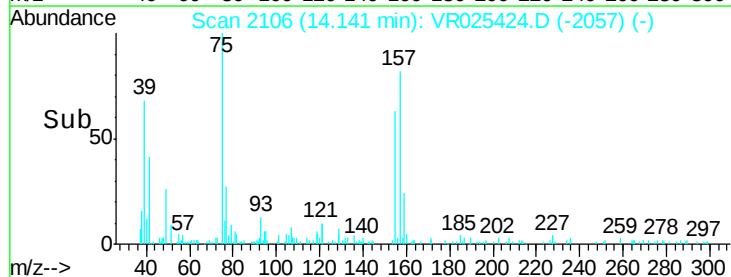
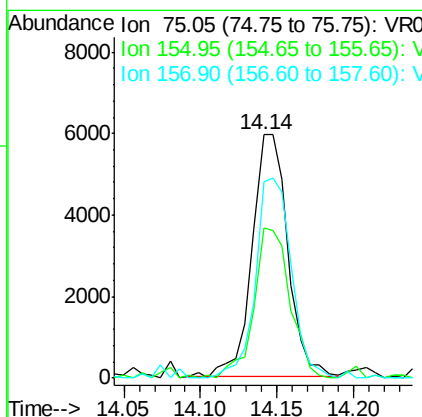
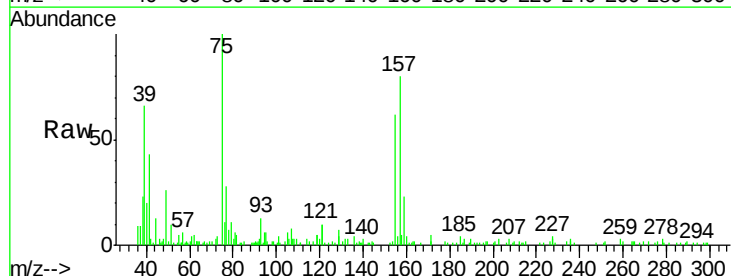
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00597

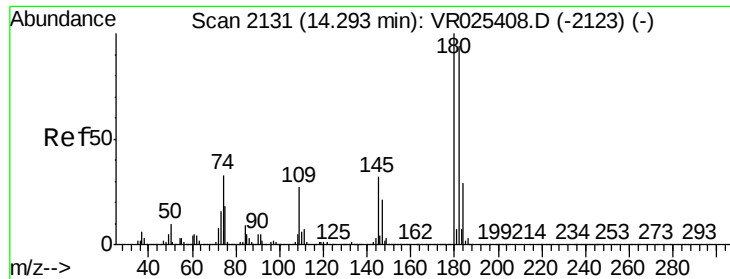
Tgt Ion: 146 Resp: 297749
 Ion Ratio Lower Upper
 146 100
 111 46.2 35.8 53.8
 148 64.3 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.288 ug/L
 RT: 14.14 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

Tgt Ion: 75 Resp: 9549
 Ion Ratio Lower Upper
 75 100
 155 61.6 74.1 111.1#
 157 80.5 71.0 106.6

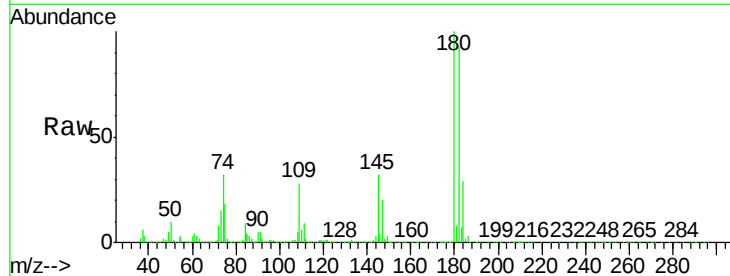




#67
 1,3,5-Trichlorobenzene
 Concen: 5.382 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion:	180	Resp:	250696
Ion Ratio	Lower	Upper	
180	100		
182	93.5	76.0	114.0
184	29.3	24.5	36.7
145	32.8	25.2	37.8

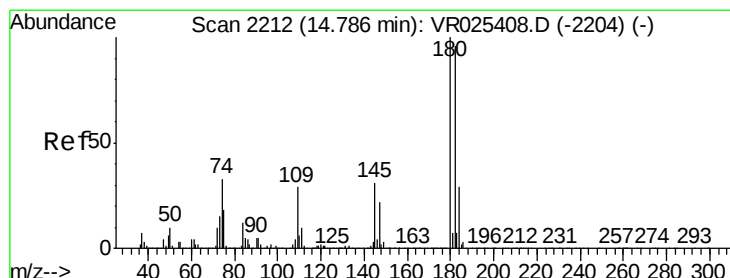
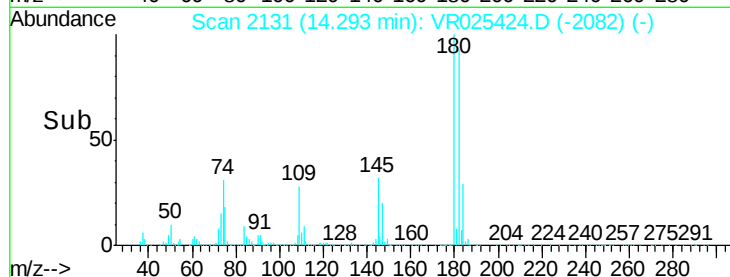
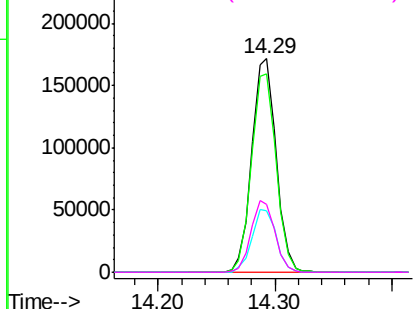


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

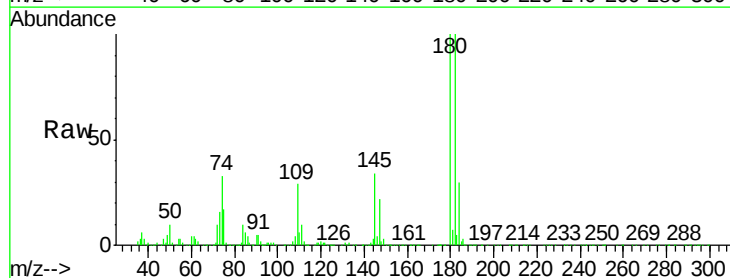
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.925 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025424.D
 Acq: 25 Jun 2018 11:23

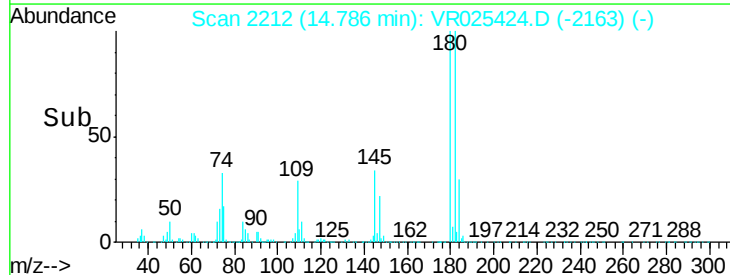
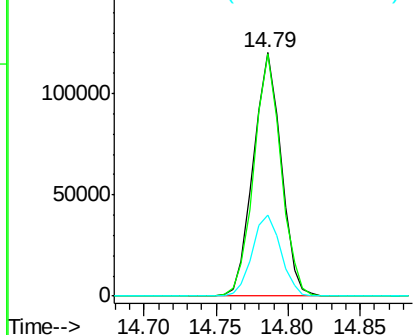
Tgt Ion:	180	Resp:	159705
Ion Ratio	Lower	Upper	
180	100		
182	97.2	75.0	112.4
145	34.5	27.3	40.9

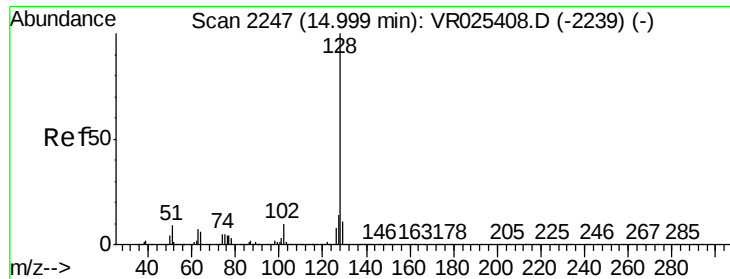


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.671 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

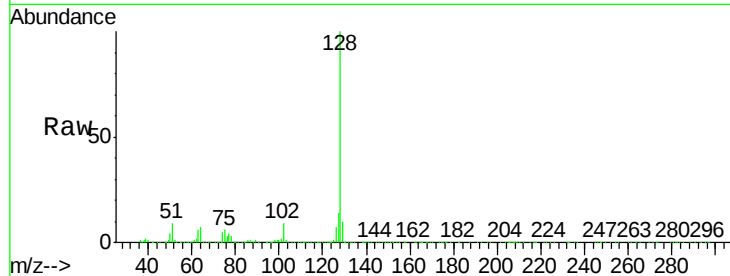
Tgt Ion:128 Resp: 197149

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

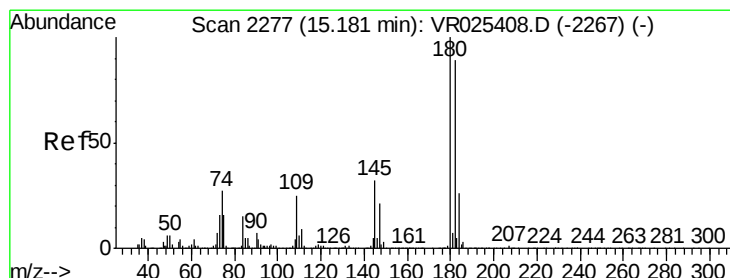
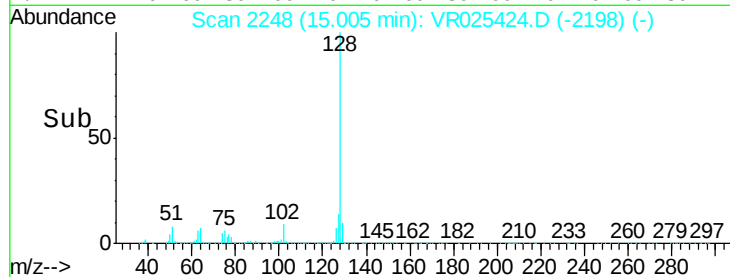
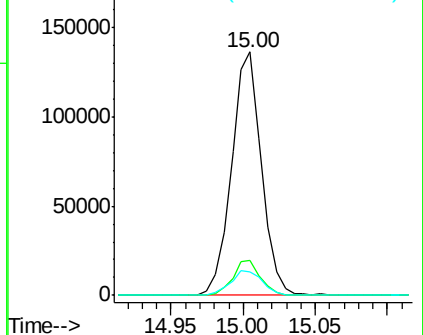
129 10.8 8.6 13.0



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: 5.193 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025424.D

Acq: 25 Jun 2018 11:23

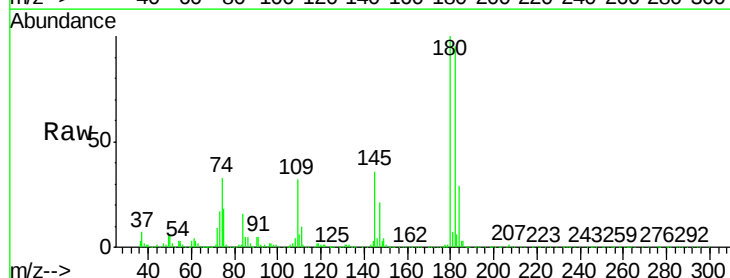
Tgt Ion:180 Resp: 130324

Ion Ratio Lower Upper

180 100

182 97.5 75.2 112.8

145 36.8 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

