

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025408.D
 Acq On : 22 Jun 2018 11:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Quant Time: Jun 22 22:20:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 02:50:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	612132	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	511619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	205514	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	92101	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	2.63	69	71353	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	3.64	63	251503	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	6.59	46	255608	45.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.48%
24) Chloroform-d	7.21	84	378023	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	7.89	65	144539	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	7.86	84	820236	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	8.90	67	232381	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	9.97	98	733959	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	10.24	79	55680	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	10.59	63	223872	49.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.36%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	97991	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	162011	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	180609	4.565 ug/L	98
3) Chloromethane	2.01	50	101130	3.531 ug/L	97
5) Vinyl chloride	2.16	62	99735	3.935 ug/L	100
6) Bromomethane	2.53	94	54984	4.450 ug/L	82
8) Chloroethane	2.67	64	57889	4.375 ug/L	96
9) Trichlorofluoromethane	2.94	101	58561	1.582 ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	103391	4.760 ug/L	98
12) 1,1-Dichloroethene	3.65	96	93623	4.351 ug/L	85
13) Acetone	3.71	43	114598	45.403 ug/L	97
14) Carbon disulfide	3.96	76	175452	3.876 ug/L	98
15) Methyl Acetate	4.19	43	23730	3.739 ug/L	97
16) Methylene chloride	4.42	84	84777	4.331 ug/L	92
17) Methyl tert-butyl Ether	4.90	73	280548	4.374 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	216099	4.885 ug/L	97
19) 1,1-Dichloroethane	5.69	63	400755	4.822 ug/L	97
21) 2-Butanone	6.69	43	283996	47.604 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	216611	4.693 ug/L	97

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 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD00595

Quant Time: Jun 22 22:20:56 2018
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 QLast Update : Fri Jun 22 02:50:30 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

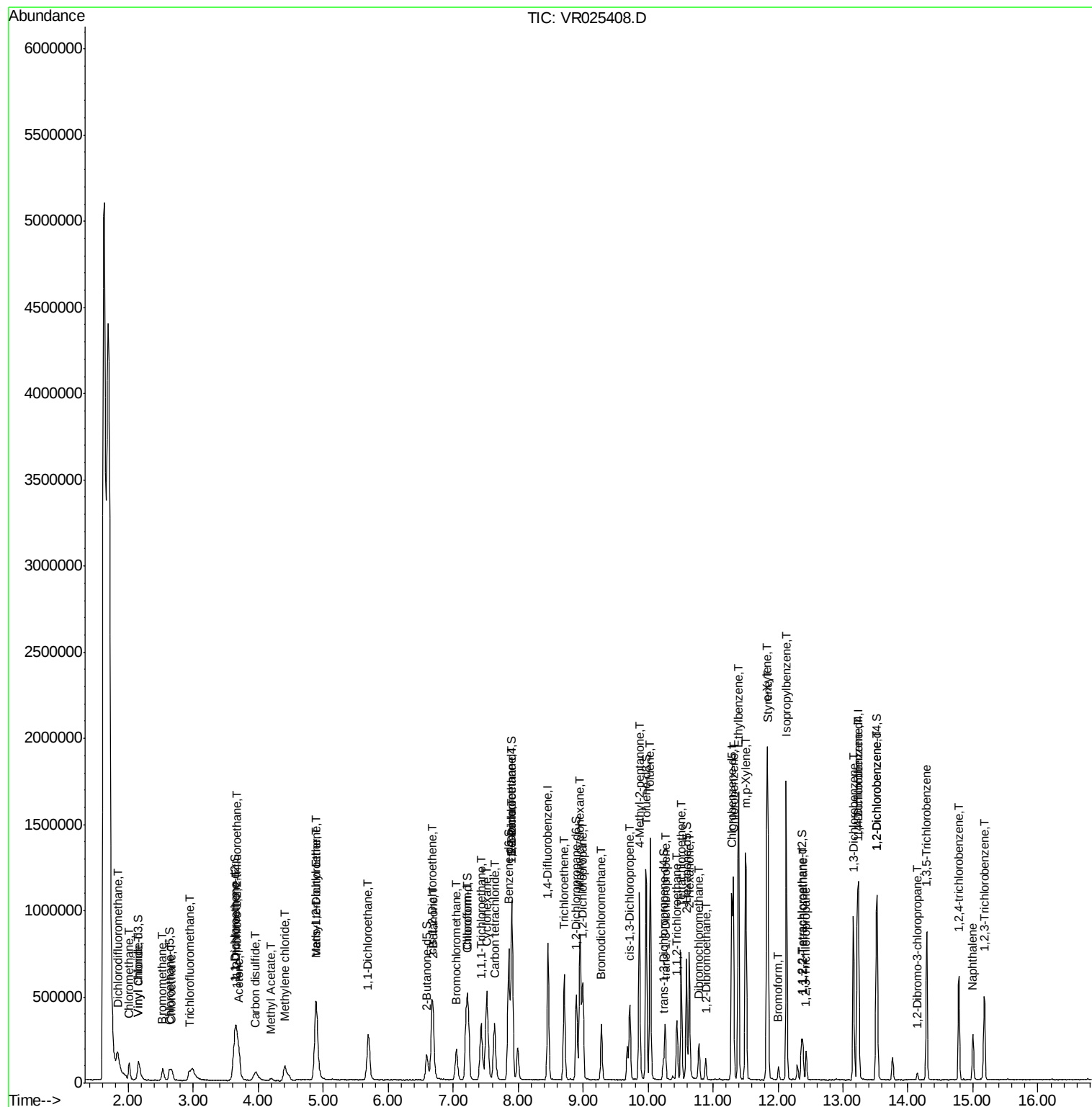
23) Bromochloromethane	7.05	128	62492	4.623	ug/L	95
25) Chloroform	7.23	83	374458	4.929	ug/L	97
27) 1,2-Dichloroethane	7.91	62	6969	0.201	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	280198	4.611	ug/L	98
30) Cyclohexane	7.52	56	331335	4.271	ug/L	100
31) Carbon tetrachloride	7.64	117	255381	4.786	ug/L	99
33) Benzene	7.91	78	906471	4.513	ug/L	100
34) Trichloroethene	8.71	95	216270	4.450	ug/L	99
35) Methylcyclohexane	8.96	83	343828	4.483	ug/L	98
37) 1,2-Dichloropropane	8.99	63	210189	4.707	ug/L	99
38) Bromodichloromethane	9.28	83	200241	4.624	ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	236415	4.495	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	665924	46.084	ug/L	97
42) Toluene	10.03	91	936712	4.352	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	159781	4.417	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	96390	4.650	ug/L	95
47) Tetrachloroethene	10.52	164	146423	4.513	ug/L	96
48) 2-Hexanone	10.64	43	443236	48.118	ug/L	97
49) Dibromochloromethane	10.78	129	94543	4.737	ug/L	93
50) 1,2-Dibromoethane	10.89	107	75538	4.545	ug/L	98
51) Chlorobenzene	11.31	112	537176	4.660	ug/L	99
52) Ethylbenzene	11.39	91	1058032	4.954	ug/L	98
53) m,p-Xylene	11.50	106	383010	4.698	ug/L	92
54) o-Xylene	11.83	106	356928	4.899	ug/L	97
55) Styrene	11.85	104	575968	5.143	ug/L	92
56) Isopropylbenzene	12.13	105	1012198	5.167	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	98173	5.114	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	66982	4.834	ug/L	97
61) Bromoform	12.01	173	29819	4.068	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	334897	4.643	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	343381	4.762	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	278671	4.821	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	8851	3.875	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	229120	4.797	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	149315	4.490	ug/L	97
69) Naphthalene	15.00	128	188297	4.350	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	127783	4.965	ug/L	99

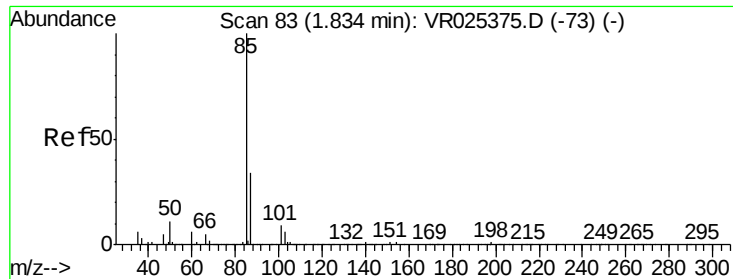
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VR025408.D
Acq On : 22 Jun 2018 11:12
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

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#2

Dichlorodifluoromethane

Concen: 4.565 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

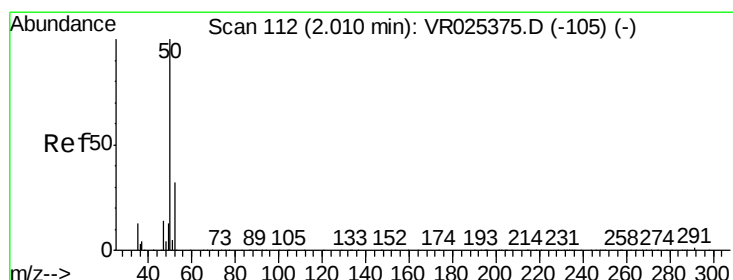
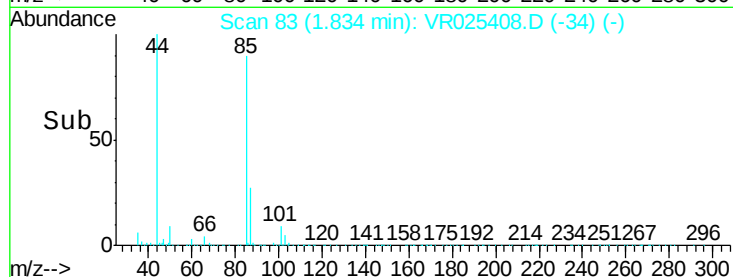
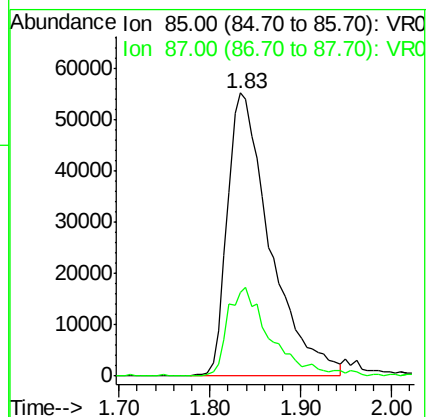
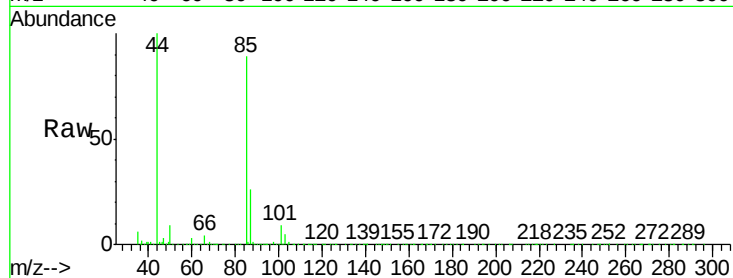
VSTD00595

Tgt Ion: 85 Resp: 180609

Ion Ratio Lower Upper

85 100

87 30.6 25.4 38.0



#3

Chloromethane

Concen: 3.531 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025408.D

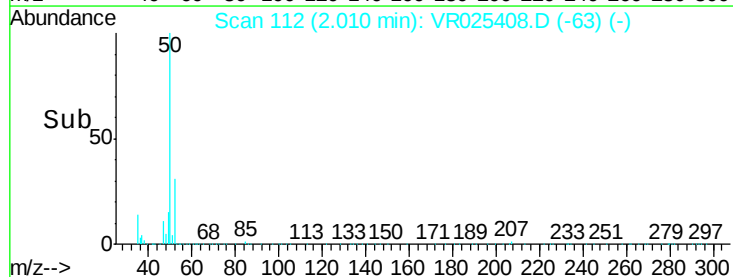
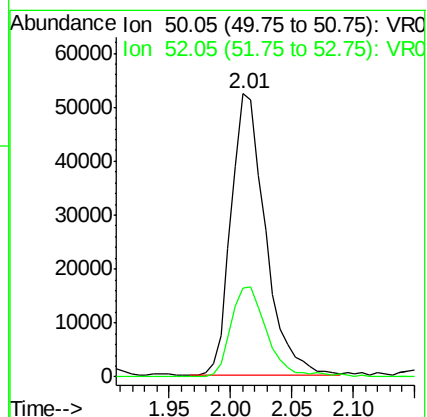
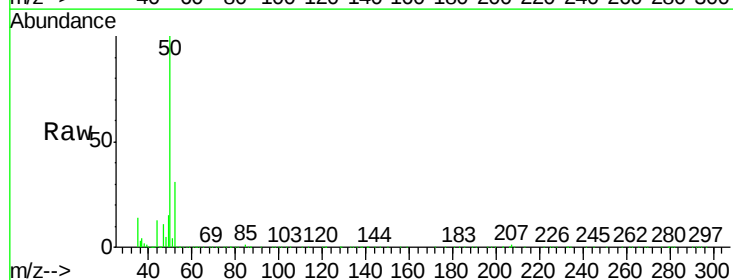
Acq: 22 Jun 2018 11:12

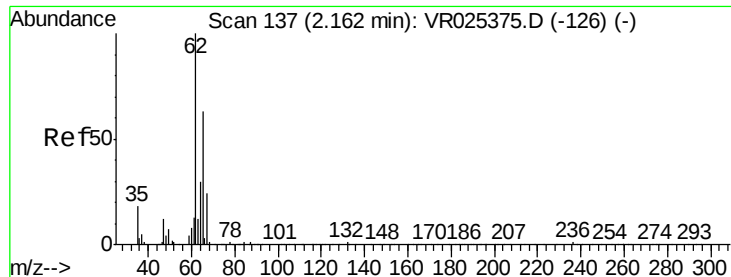
Tgt Ion: 50 Resp: 101130

Ion Ratio Lower Upper

50 100

52 31.2 22.8 42.4





#5

Vinyl chloride

Concen: 3.935 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

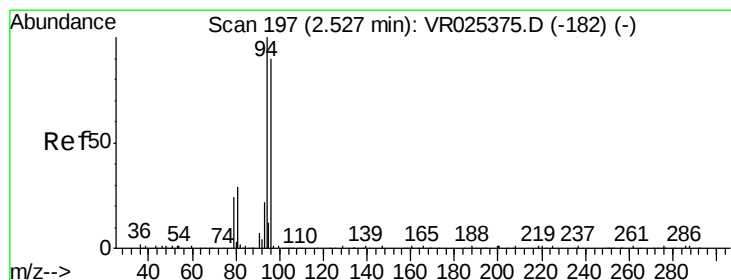
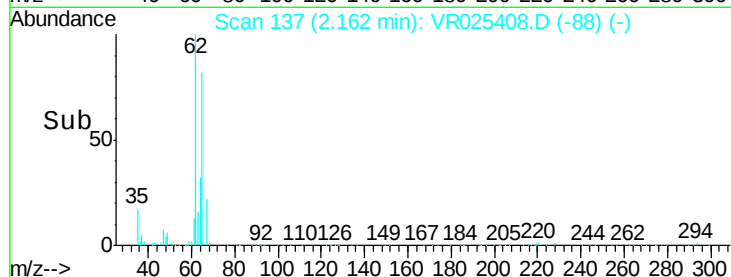
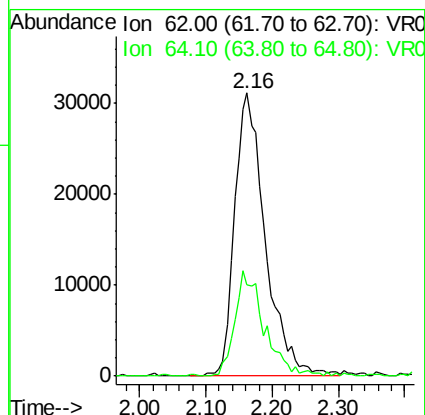
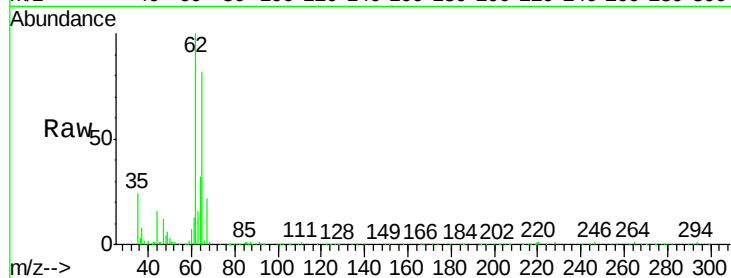
VSTD00595

Tgt Ion: 62 Resp: 99735

Ion Ratio Lower Upper

62 100

64 32.4 22.8 42.4



#6

Bromomethane

Concen: 4.450 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.00 min

Lab File: VR025408.D

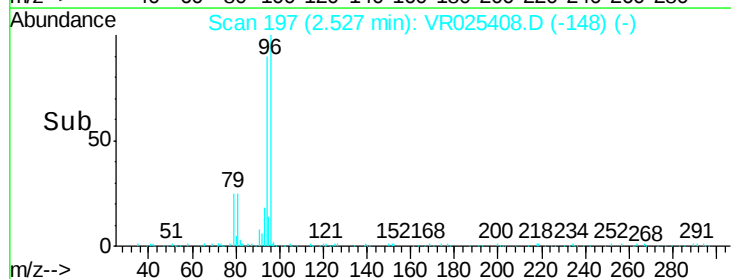
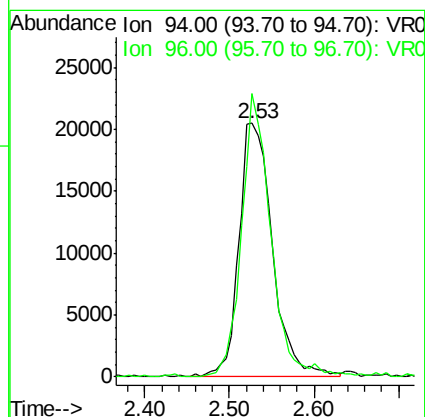
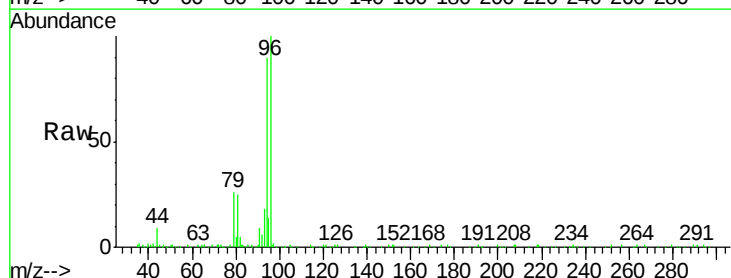
Acq: 22 Jun 2018 11:12

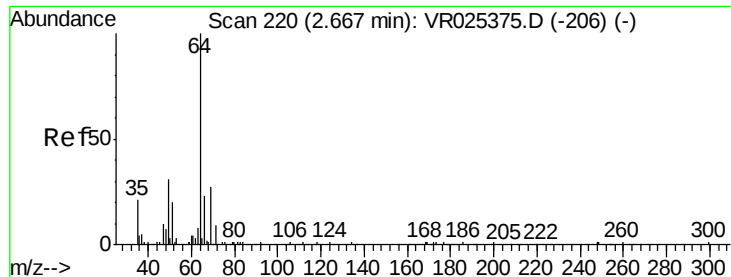
Tgt Ion: 94 Resp: 54984

Ion Ratio Lower Upper

94 100

96 111.5 65.9 122.3

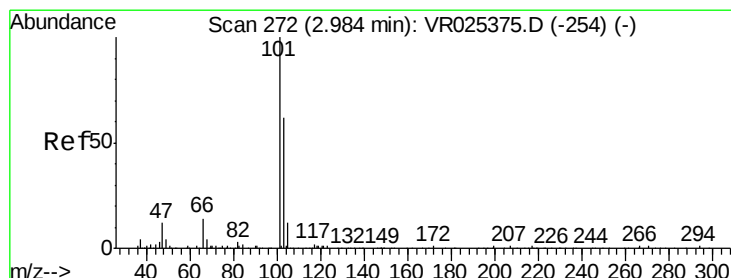
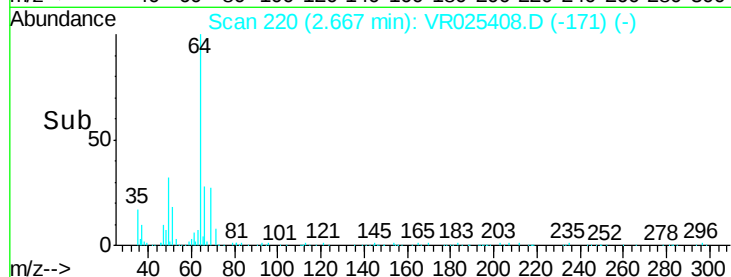
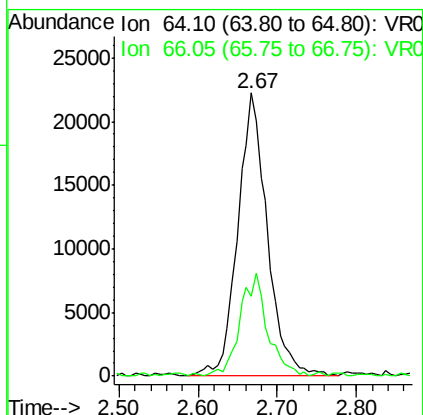
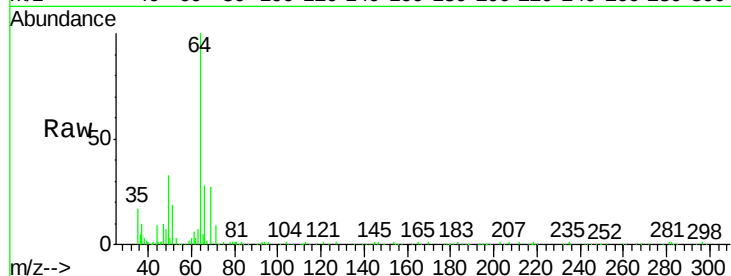




#8
Chloroethane
Concen: 4.375 ug/L
RT: 2.67 min Scan# 220
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

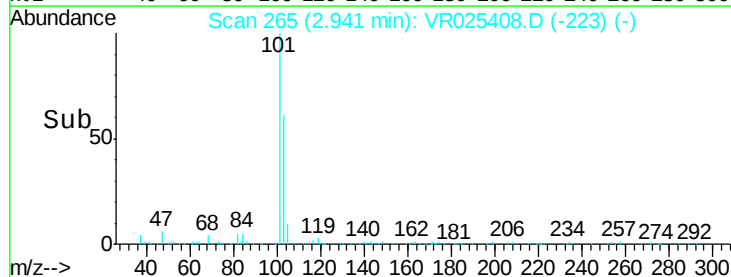
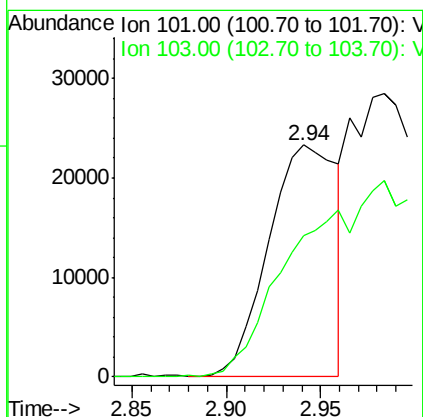
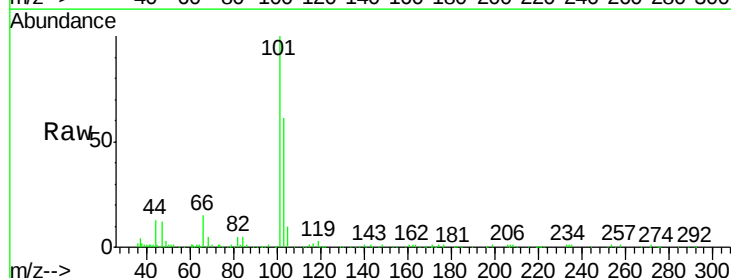
Instrument :
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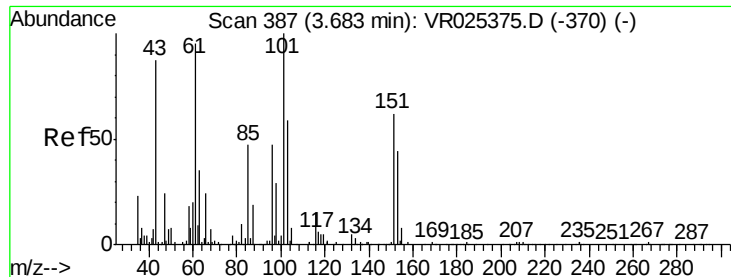
Tgt Ion: 64 Resp: 57889
Ion Ratio Lower Upper
64 100
66 28.2 21.3 39.5



#9
Trichlorofluoromethane
Concen: 1.582 ug/L
RT: 2.94 min Scan# 265
Delta R.T. -0.04 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion: 101 Resp: 58561
Ion Ratio Lower Upper
101 100
103 198.6 11.0 16.4#





#10

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

Concen: 4.760 ug/L

RT: 3.68 min Scan# 386

Delta R.T. -0.01 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00595

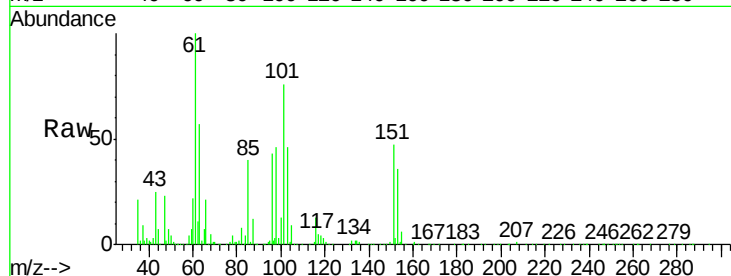
Tgt Ion: 101 Resp: 103391

Ion Ratio Lower Upper

101 100

85 52.0 39.1 58.7

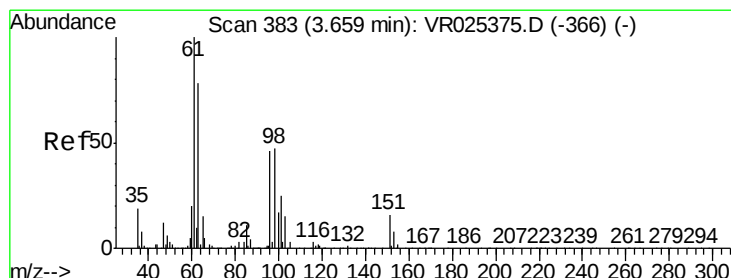
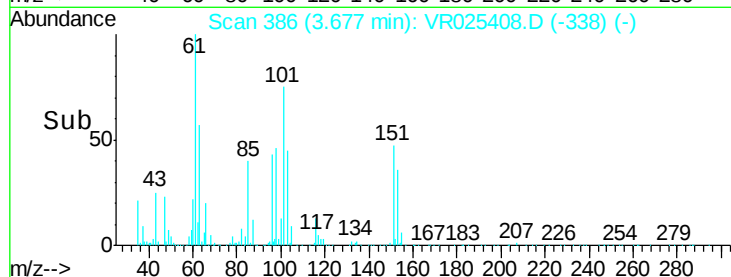
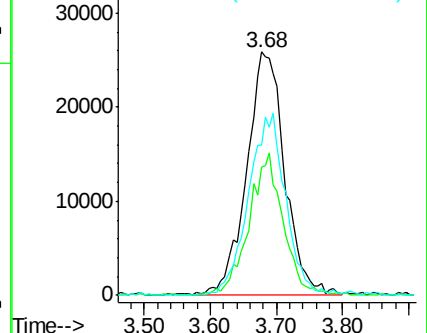
151 72.7 57.5 86.3



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: 4.351 ug/L

RT: 3.65 min Scan# 382

Delta R.T. -0.01 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

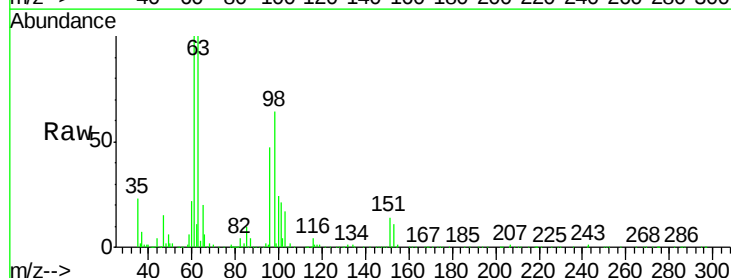
Tgt Ion: 96 Resp: 93623

Ion Ratio Lower Upper

96 100

61 213.6 155.0 287.9

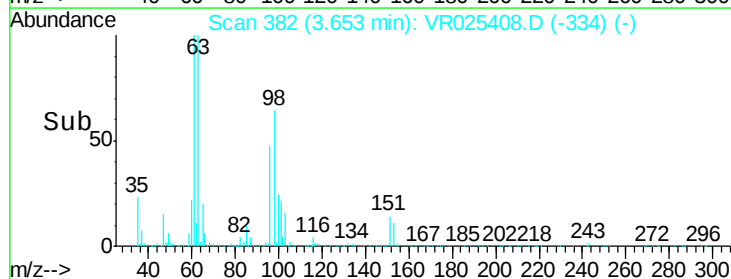
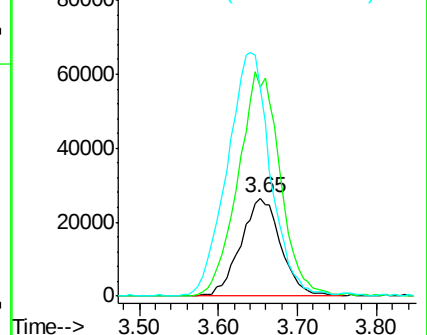
63 212.6 122.3 227.1

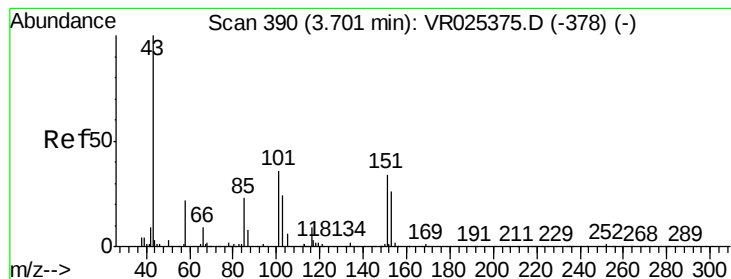


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 45.403 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

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ClientSampleId :

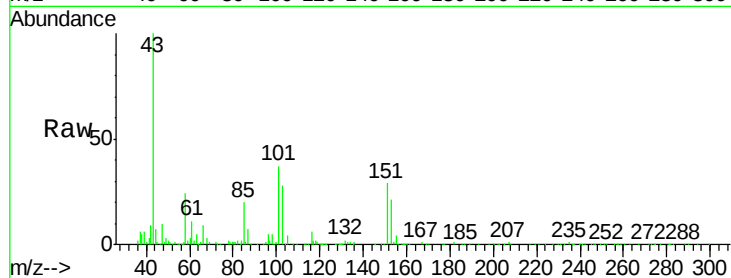
VSTD00595

Tgt Ion: 43 Resp: 114598

Ion Ratio Lower Upper

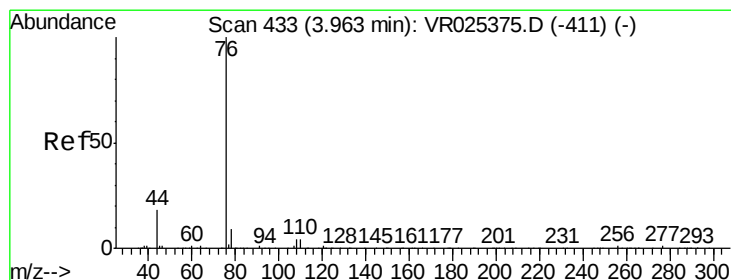
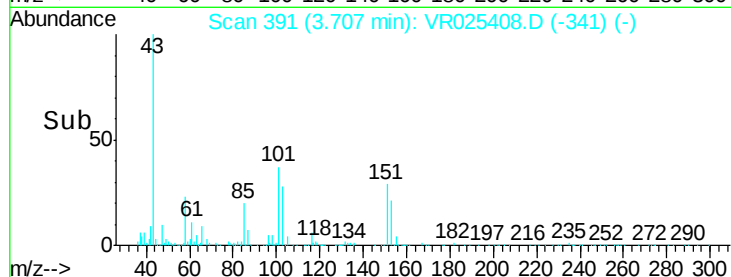
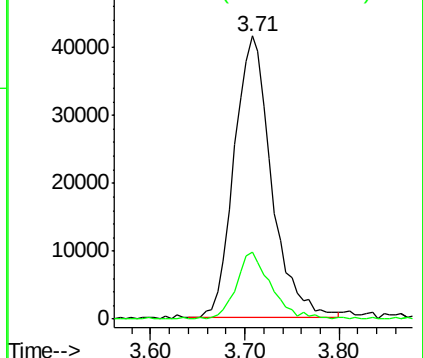
43 100

58 22.2 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 3.876 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.01 min

Lab File: VR025408.D

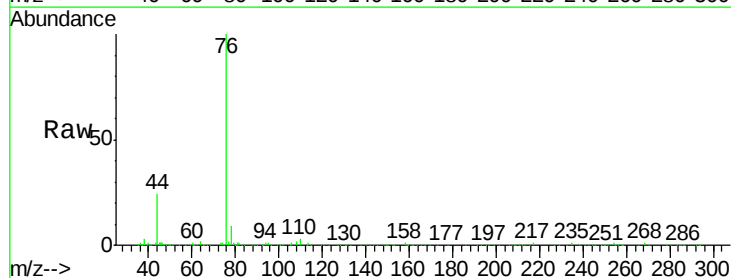
Acq: 22 Jun 2018 11:12

Tgt Ion: 76 Resp: 175452

Ion Ratio Lower Upper

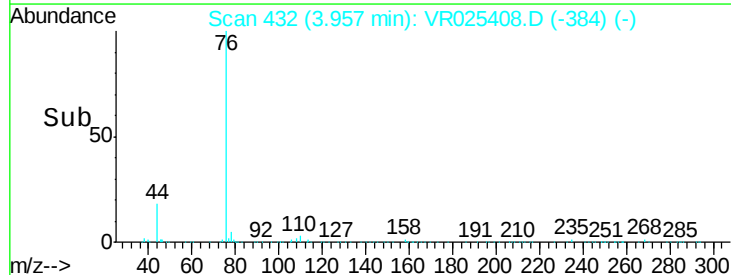
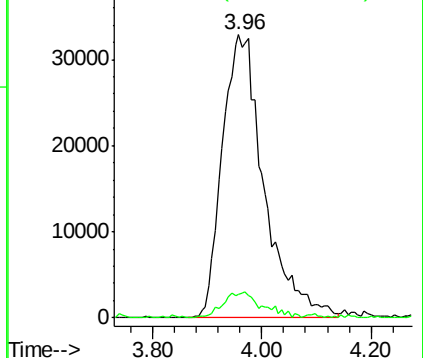
76 100

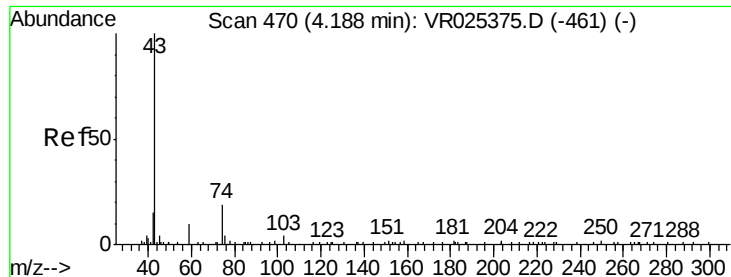
78 8.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

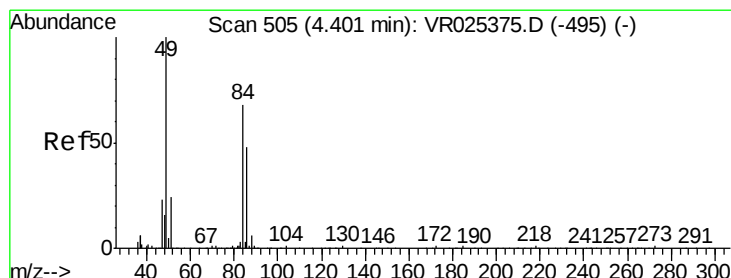
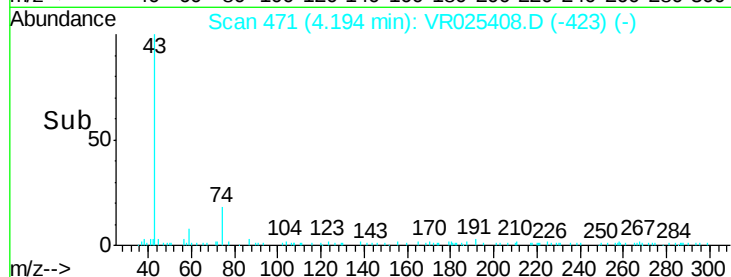
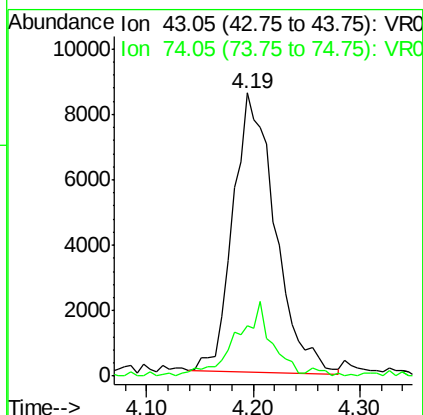
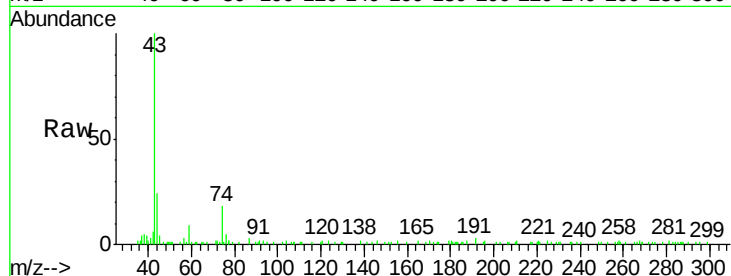




#15
Methyl Acetate
Concen: 3.739 ug/L
RT: 4.19 min Scan# 471
Delta R.T. -0.01 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

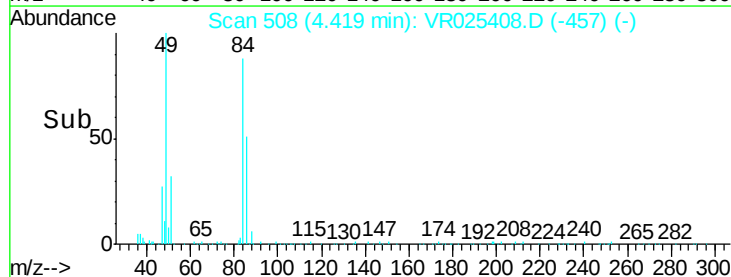
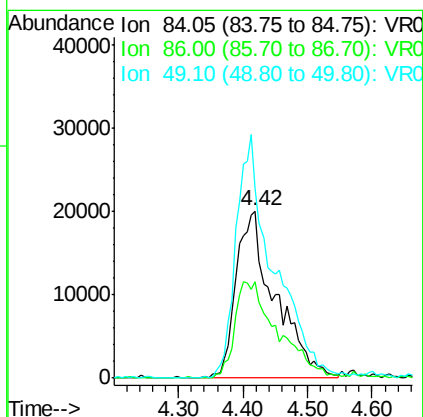
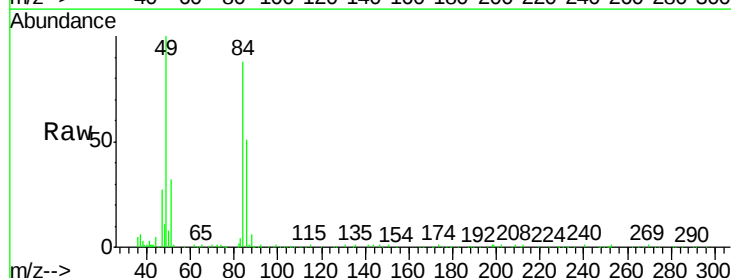
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

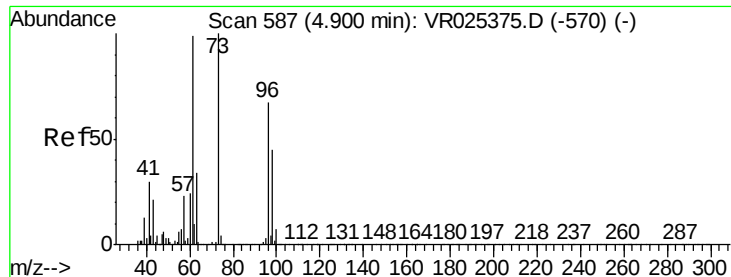
Tgt Ion: 43 Resp: 23730
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1



#16
Methylene chloride
Concen: 4.331 ug/L
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion: 84 Resp: 84777
Ion Ratio Lower Upper
84 100
86 57.8 43.7 81.1
49 113.8 87.2 162.0

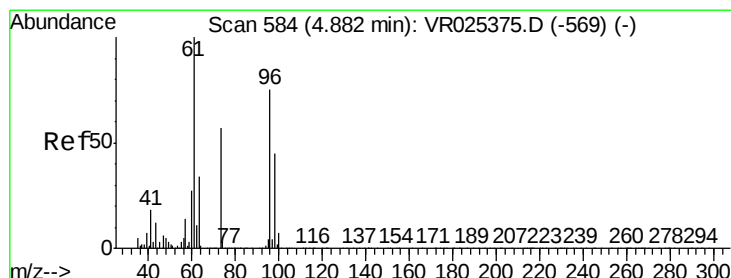
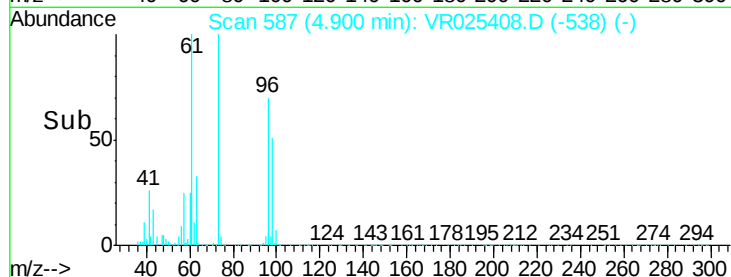
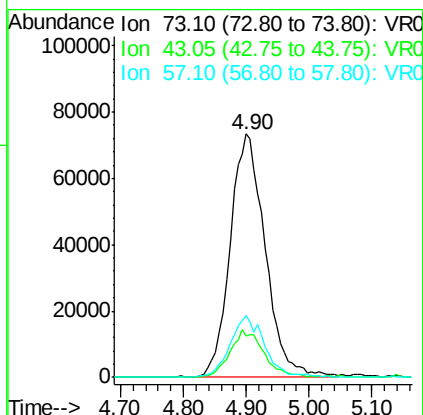
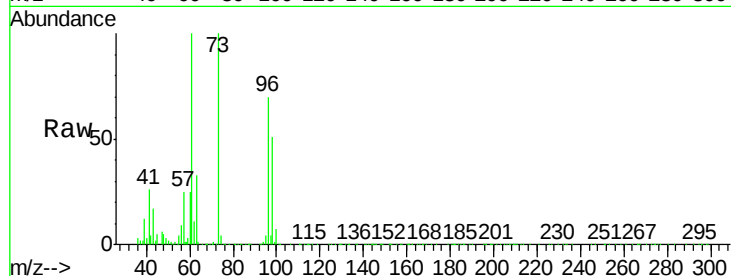




#17
Methyl tert-butyl Ether
Concen: 4.374 ug/L
RT: 4.90 min Scan# 587
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

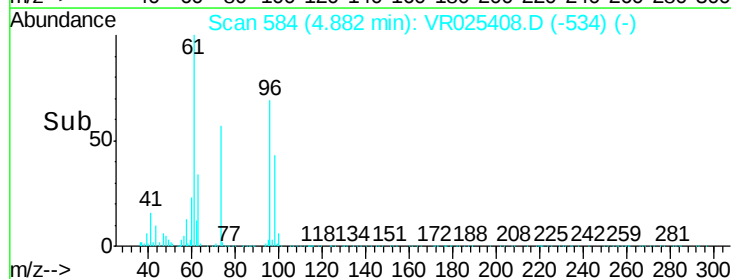
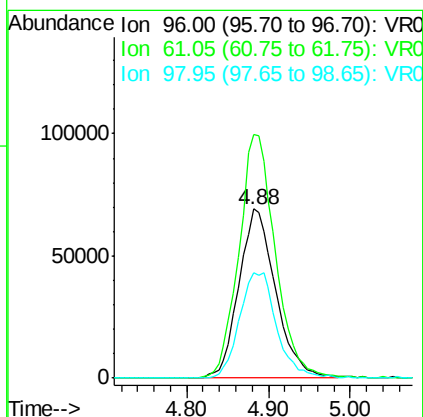
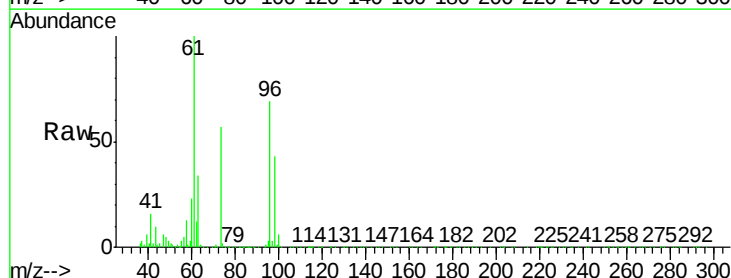
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

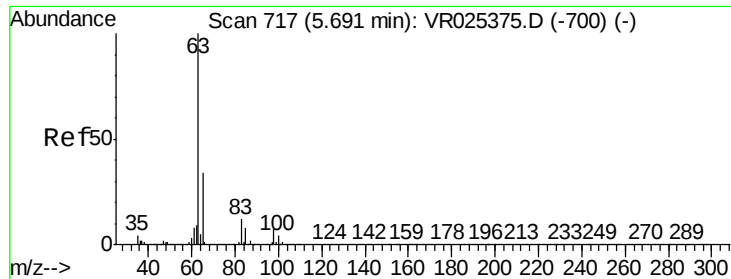
Tgt Ion: 73 Resp: 280548
Ion Ratio Lower Upper
73 100
43 18.9 15.8 23.6
57 24.3 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.885 ug/L
RT: 4.88 min Scan# 584
Delta R.T. 0.01 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion: 96 Resp: 216099
Ion Ratio Lower Upper
96 100
61 144.2 104.4 193.8
98 62.2 43.1 80.1

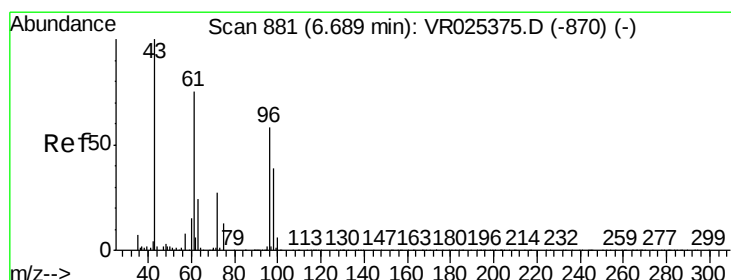
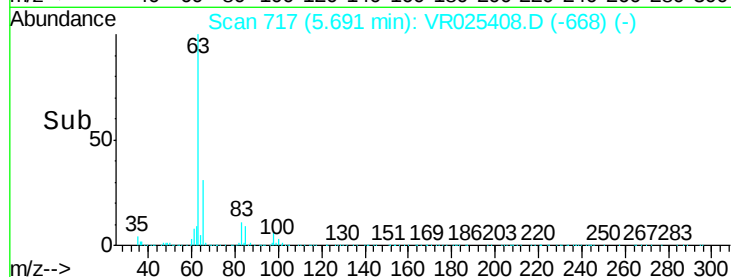
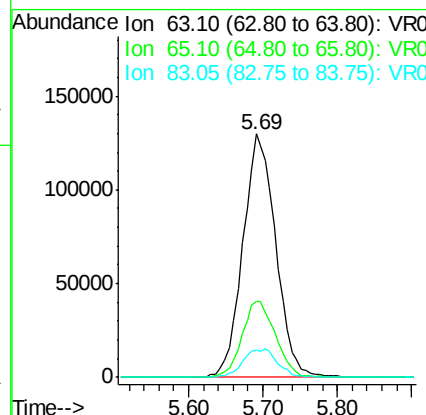
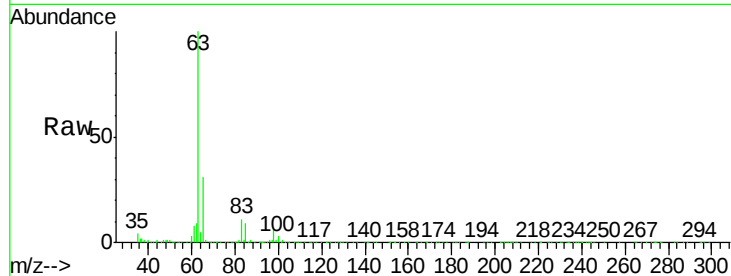




#19
 1,1-Dichloroethane
 Concen: 4.822 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

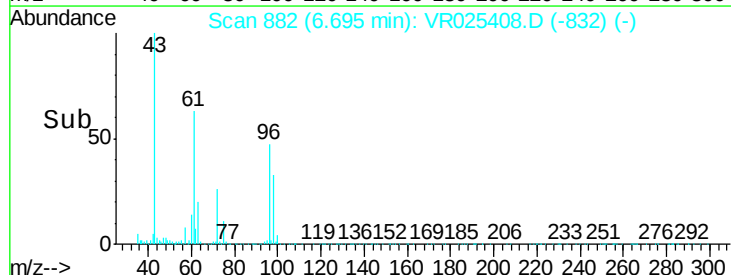
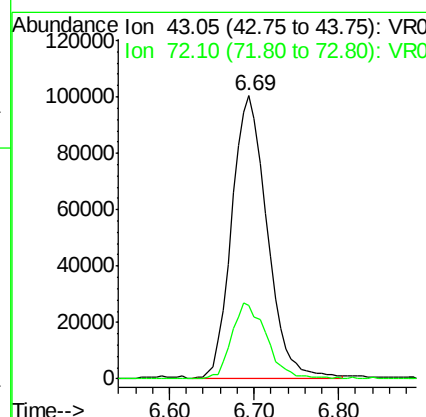
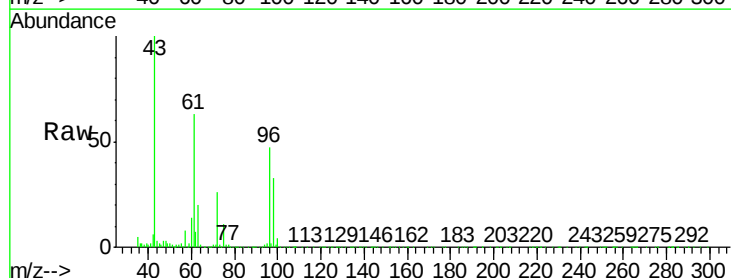
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

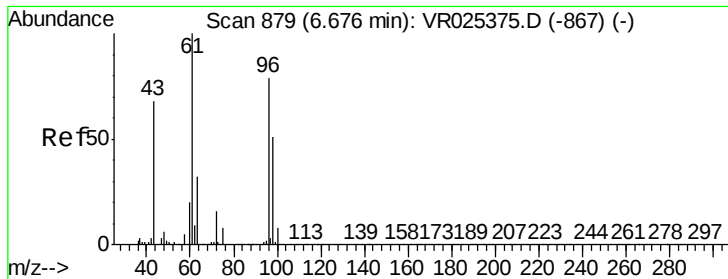
Tgt Ion:	63	Resp:	400755
Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.5	41.7
83	11.0	9.5	17.7



#21
 2-Butanone
 Concen: 47.604 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

Tgt Ion:	43	Resp:	283996
Ion	Ratio	Lower	Upper
43	100		
72	26.8	13.0	38.9



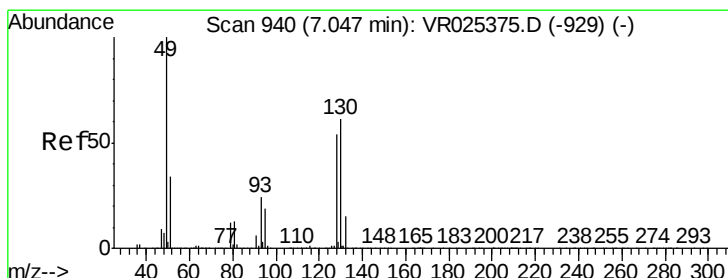
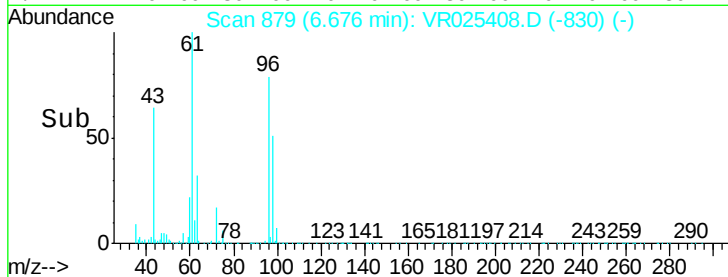
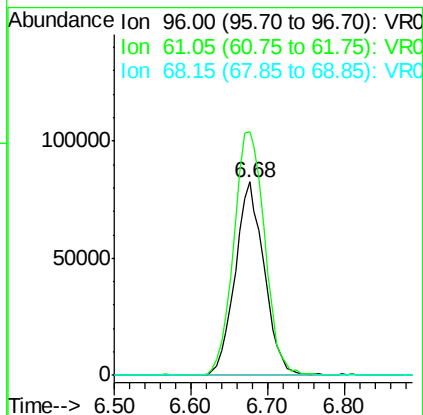
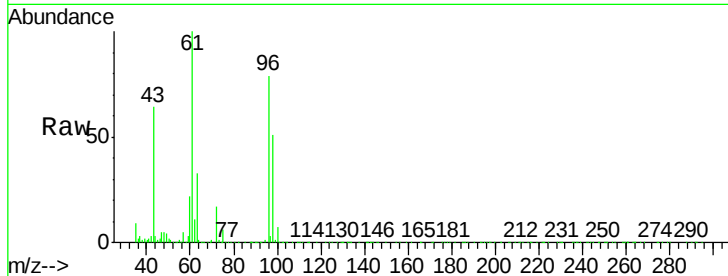


#22

cis-1,2-Dichloroethene
Concen: 4.693 ug/L
RT: 6.68 min Scan# 879
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Instrument :
MSVOA_R
ClientSampled :
VSTD00595

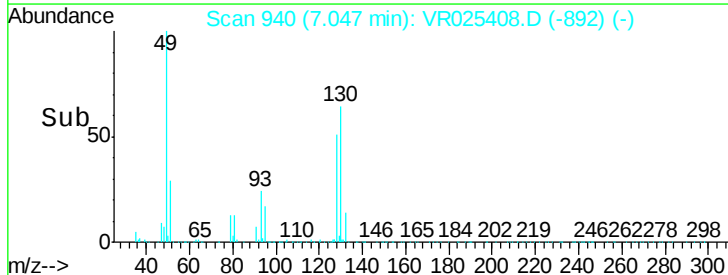
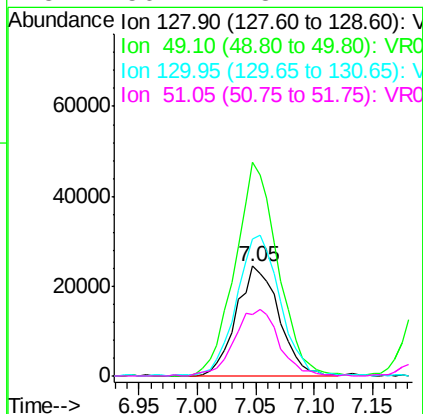
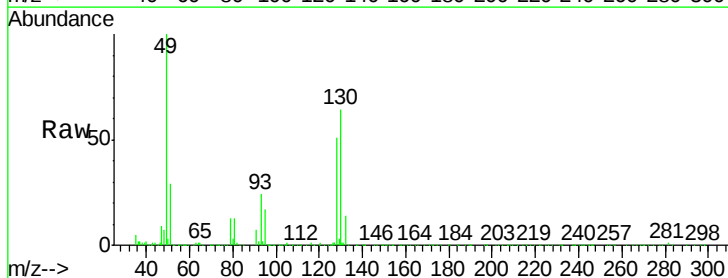
Tgt Ion: 96 Resp: 216611
Ion Ratio Lower Upper
96 100
61 126.0 91.0 169.0
68 0.0 0.0 0.0

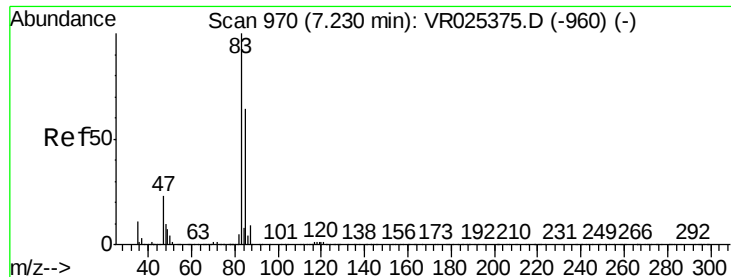


#23

Bromochloromethane
Concen: 4.623 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.01 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion: 128 Resp: 62492
Ion Ratio Lower Upper
128 100
49 194.7 128.7 238.9
130 124.5 87.2 161.9
51 56.1 48.2 72.2

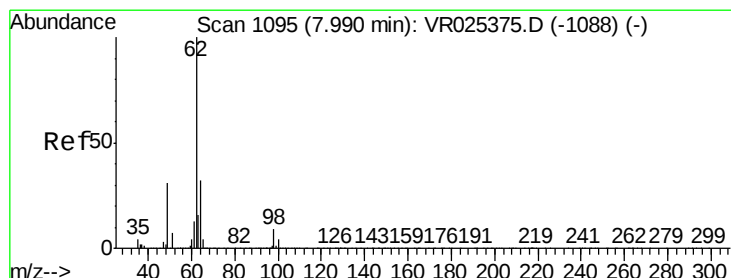
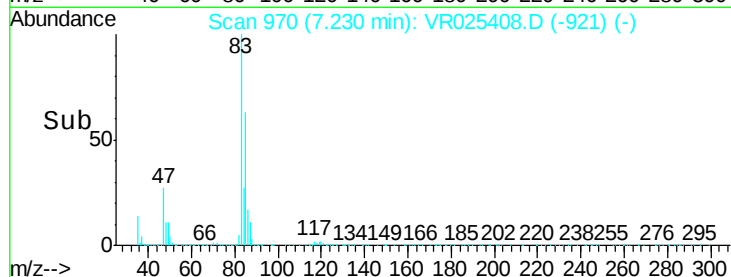
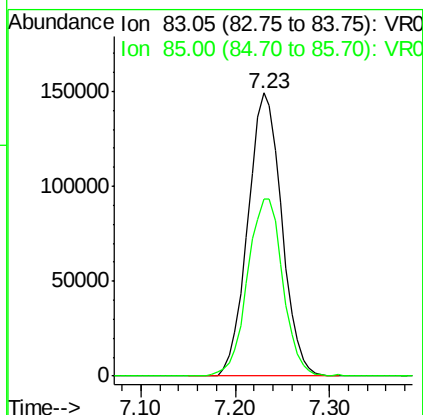
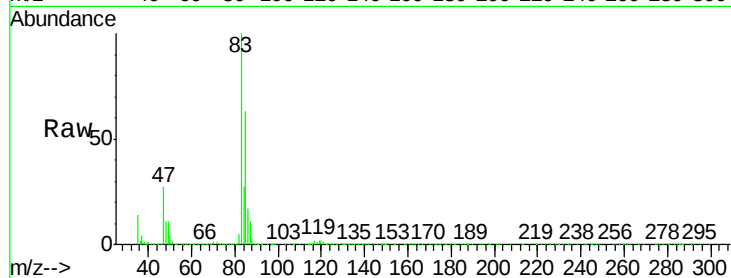




#25
Chloroform
Concen: 4.929 ug/L
RT: 7.23 min Scan# 970
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

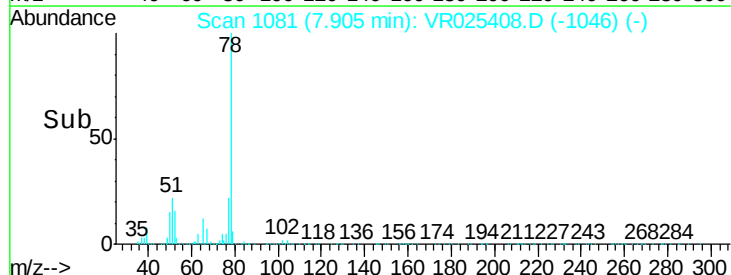
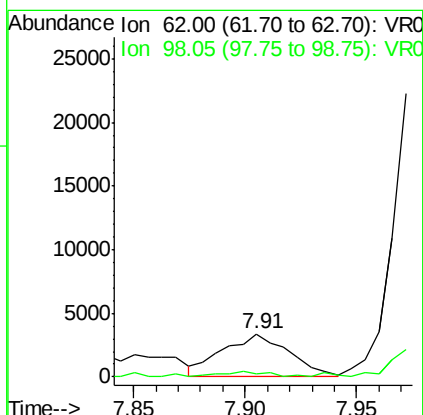
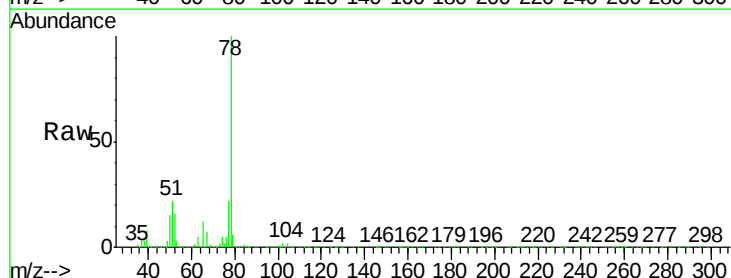
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

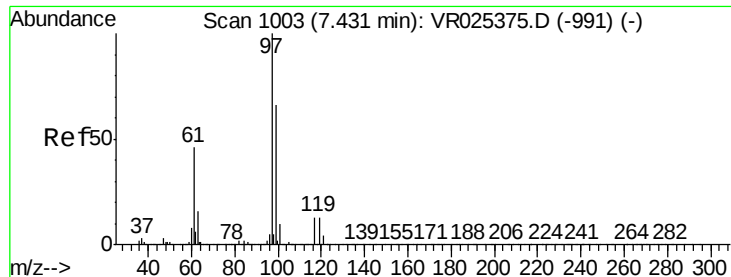
Tgt Ion: 83 Resp: 374458
Ion Ratio Lower Upper
83 100
85 62.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.201 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. -0.09 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion: 62 Resp: 6969
Ion Ratio Lower Upper
62 100
98 7.3 5.4 8.2

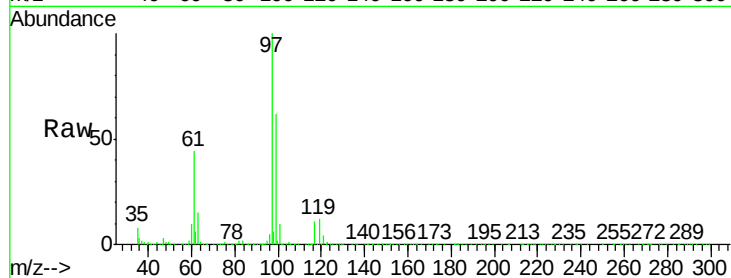




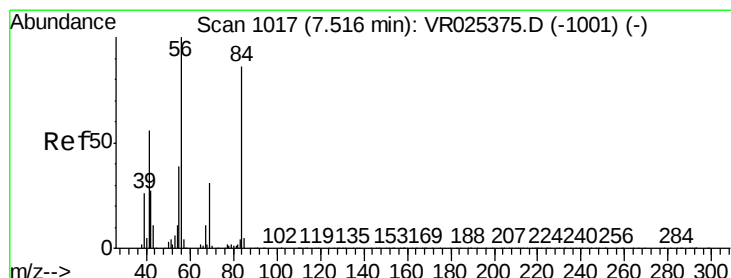
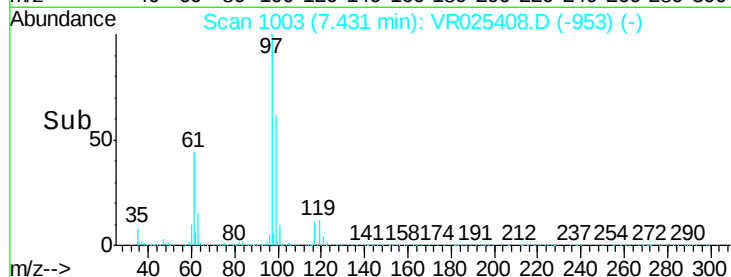
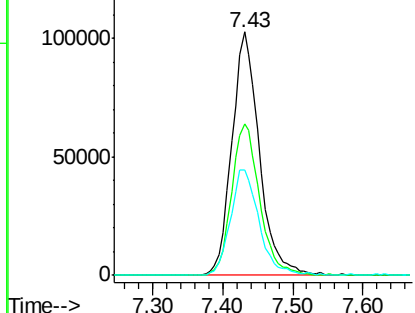
#29
 1,1,1-Trichloroethane
 Concen: 4.611 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.1	78.1
61	44.9	37.0	55.6

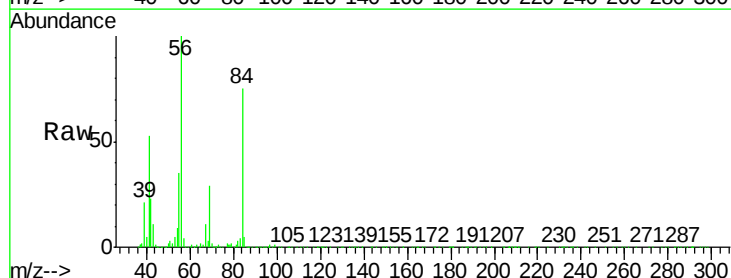


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

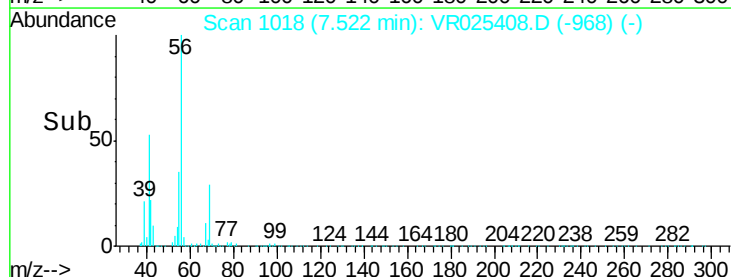
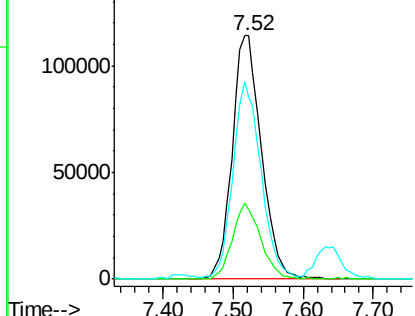


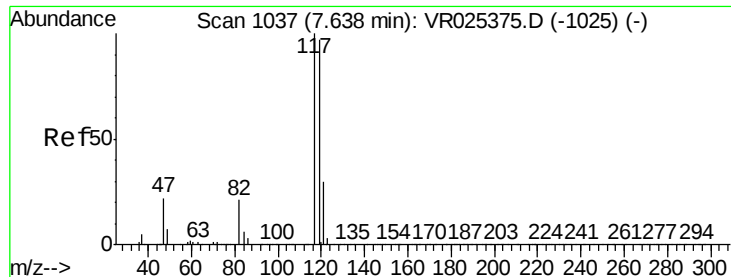
#30
 Cyclohexane
 Concen: 4.271 ug/L
 RT: 7.52 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	78.1	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

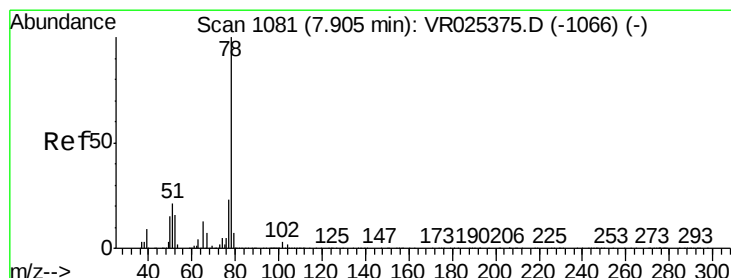
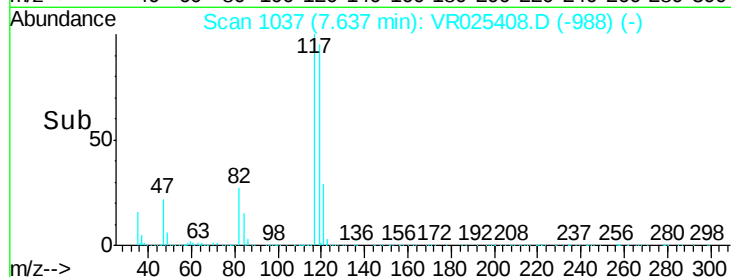
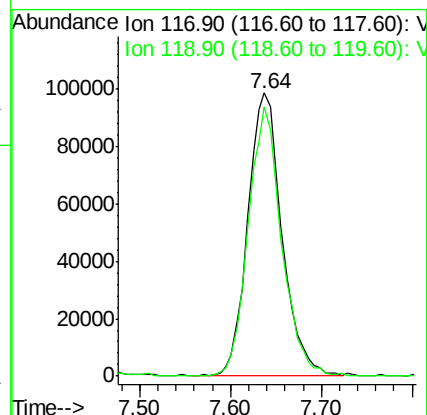
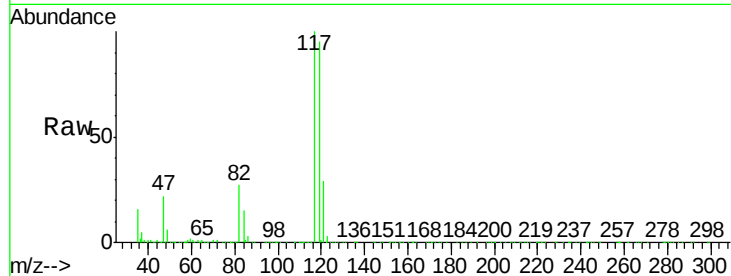




#31
Carbon tetrachloride
Concen: 4.786 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

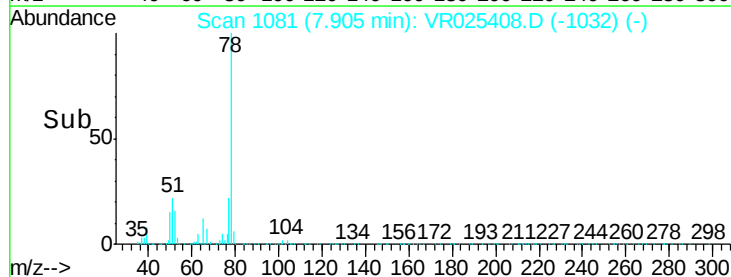
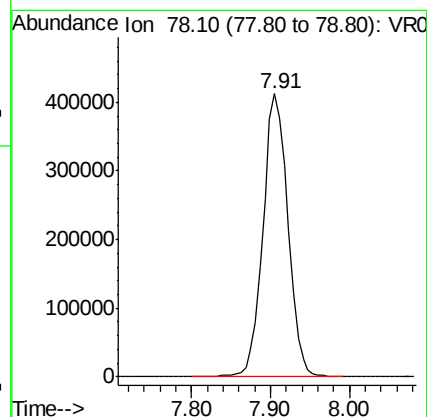
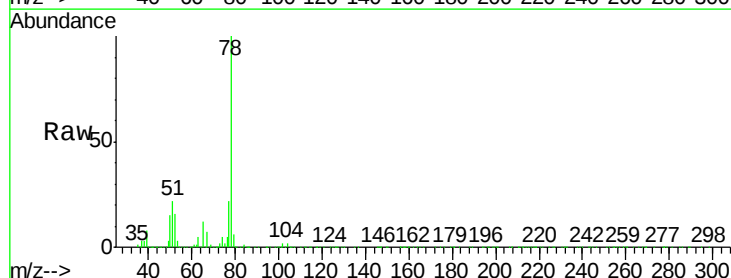
Instrument :
MSVOA_R
ClientSampled :
VSTD00595

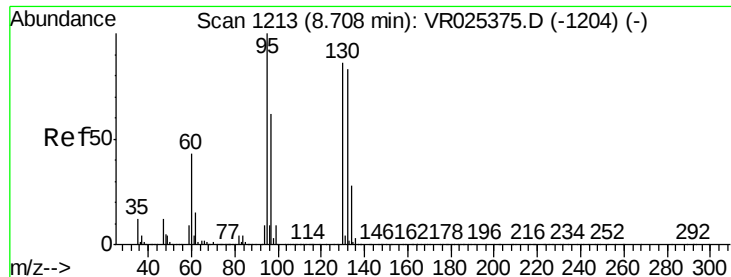
Tgt Ion:117 Resp: 255381
Ion Ratio Lower Upper
117 100
119 93.4 75.5 113.3



#33
Benzene
Concen: 4.513 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion: 78 Resp: 906471

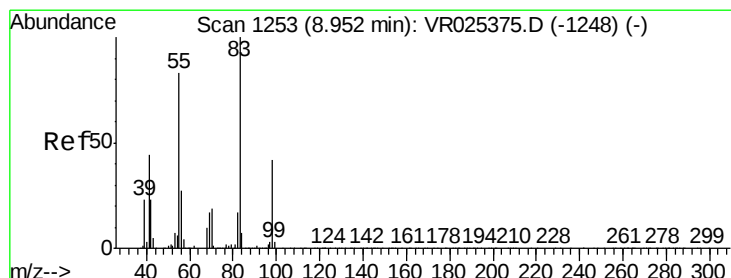
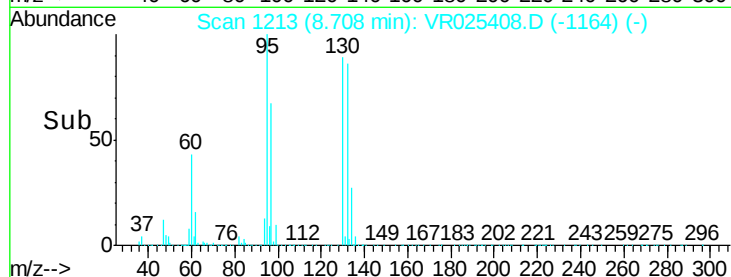
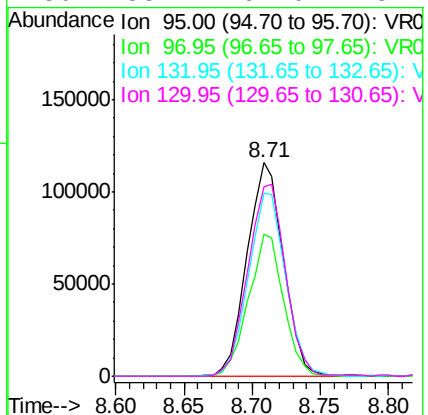
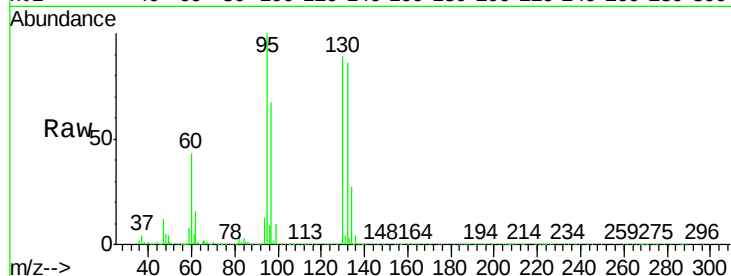




#34
 Trichloroethene
 Concen: 4.450 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

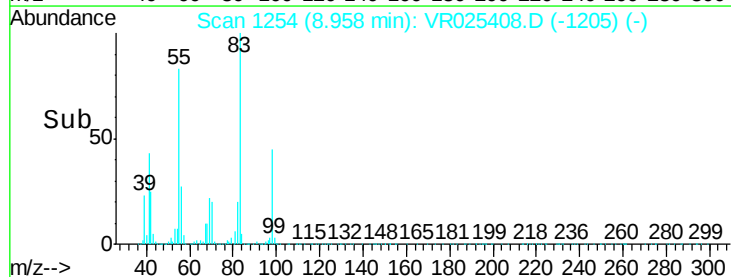
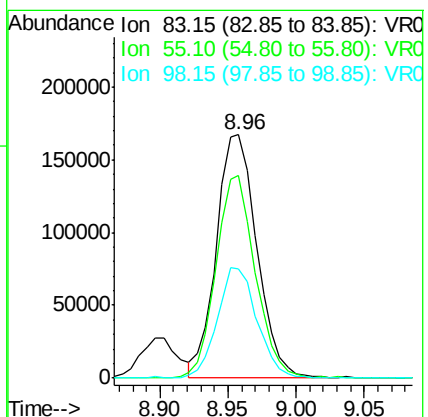
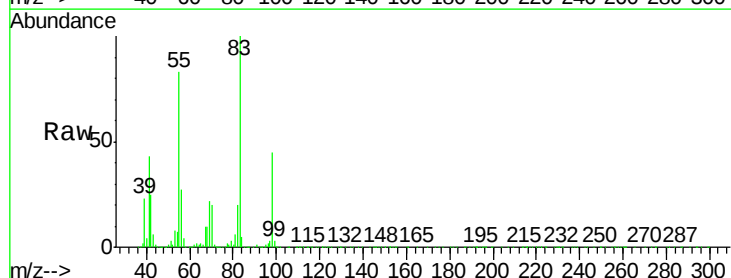
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

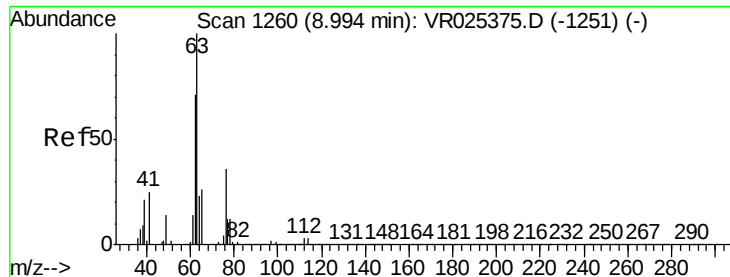
Tgt Ion:	95	Resp:	216270
Ion	Ratio	Lower	Upper
95	100		
97	66.7	45.6	84.6
132	86.0	60.9	113.1
130	88.7	62.0	115.2



#35
 Methylcyclohexane
 Concen: 4.483 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

Tgt Ion:	83	Resp:	343828
Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.1	99.1
98	44.5	36.2	54.4





#37

1,2-Dichloropropane

Concen: 4.707 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

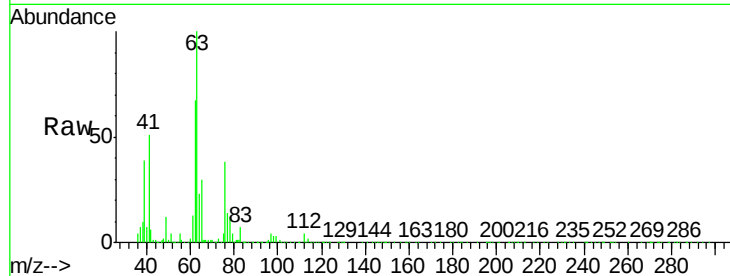
VSTD00595

Tgt Ion: 63 Resp: 210189

Ion Ratio Lower Upper

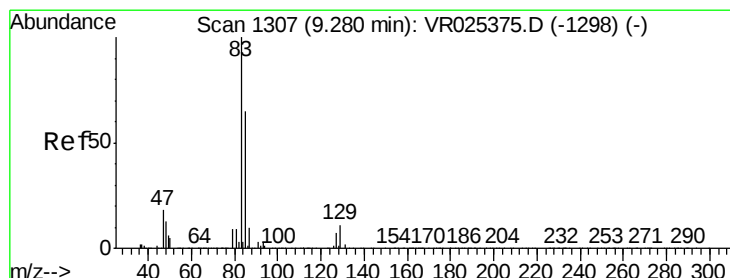
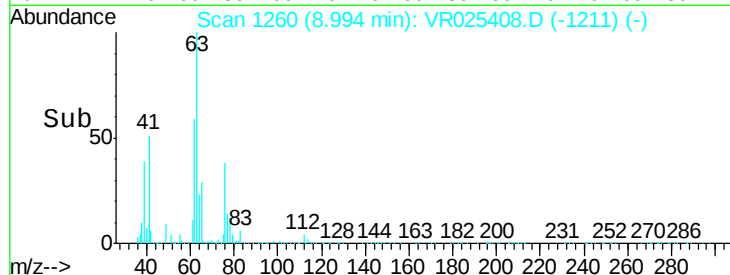
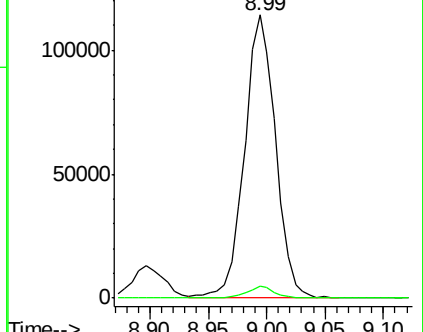
63 100

112 4.0 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: 4.624 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

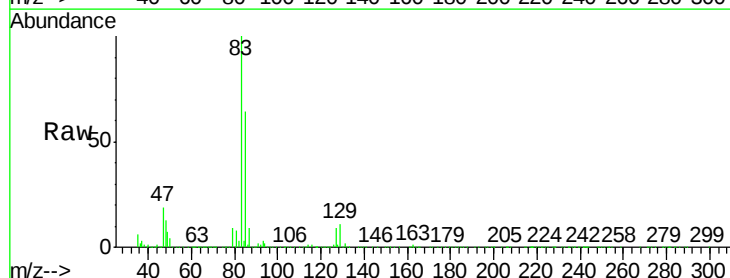
Tgt Ion: 83 Resp: 200241

Ion Ratio Lower Upper

83 100

85 63.6 46.1 85.7

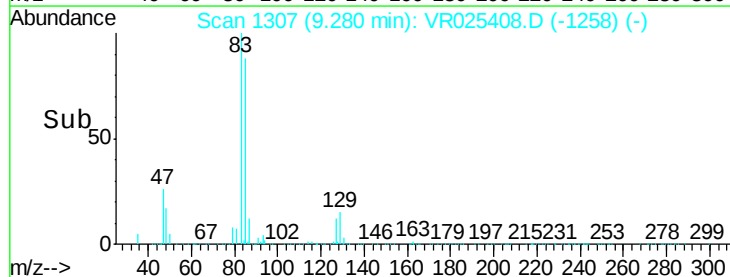
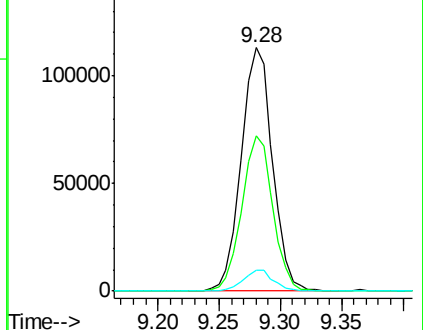
127 8.7 5.7 8.5#

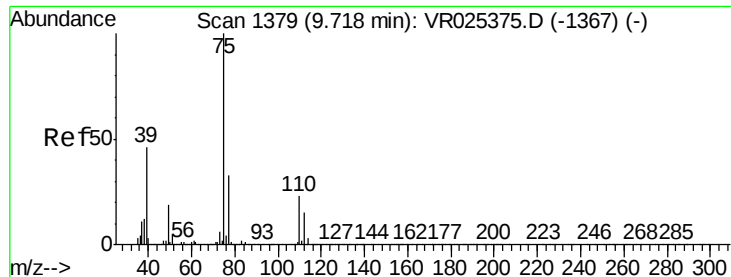


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 4.495 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

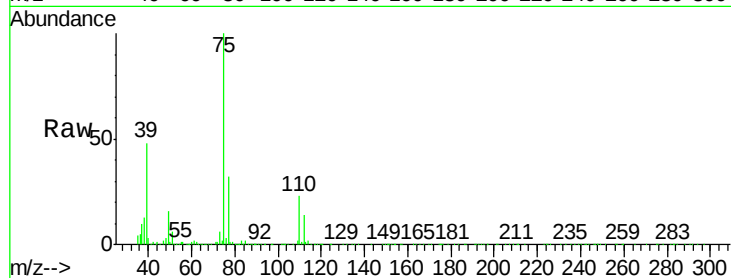
VSTD00595

Tgt Ion: 75 Resp: 236415

Ion Ratio Lower Upper

75 100

77 31.7 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

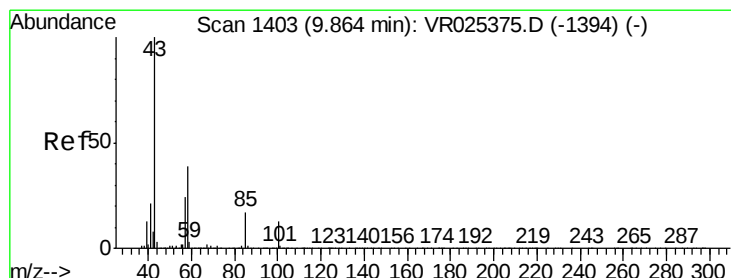
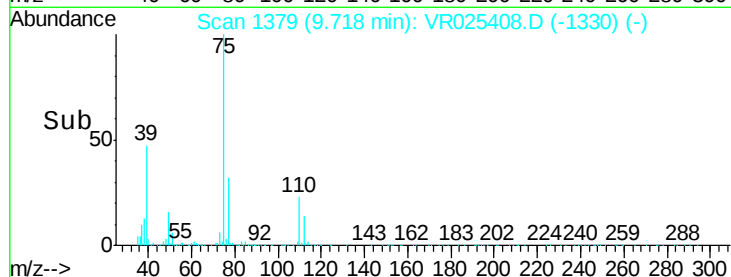
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 46.084 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

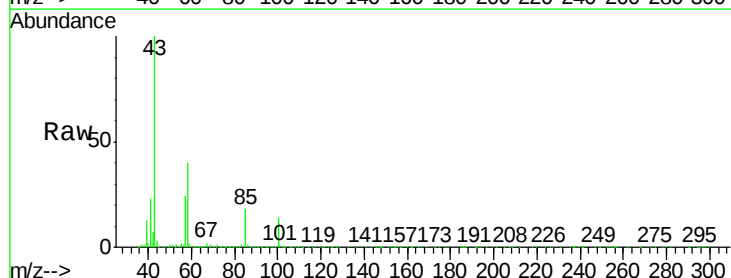
Tgt Ion: 43 Resp: 665924

Ion Ratio Lower Upper

43 100

58 39.4 30.3 45.5

100 13.9 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

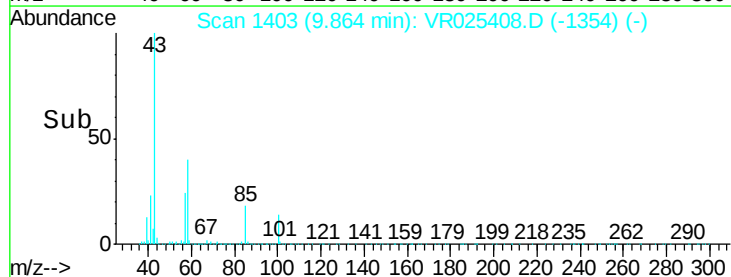
300000

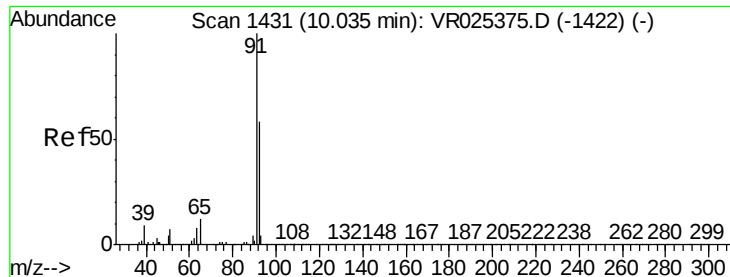
200000

100000

0

Time-->





#42

Toluene

Concen: 4.352 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

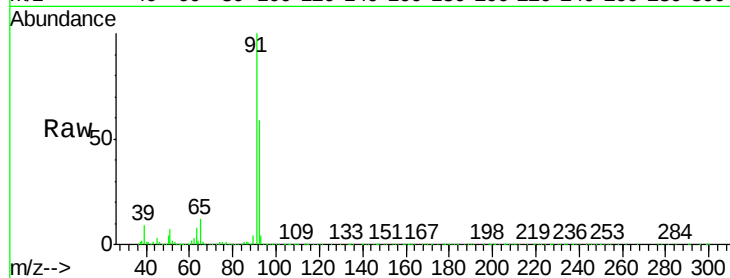
VSTD00595

Tgt Ion: 91 Resp: 936712

Ion Ratio Lower Upper

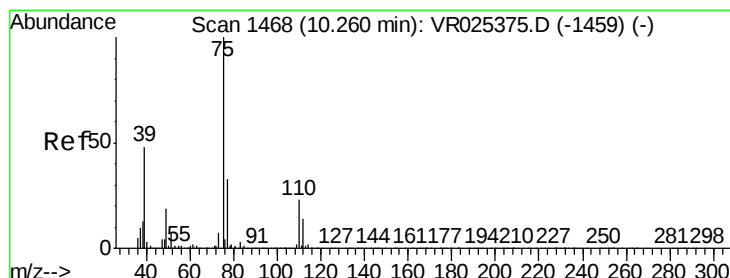
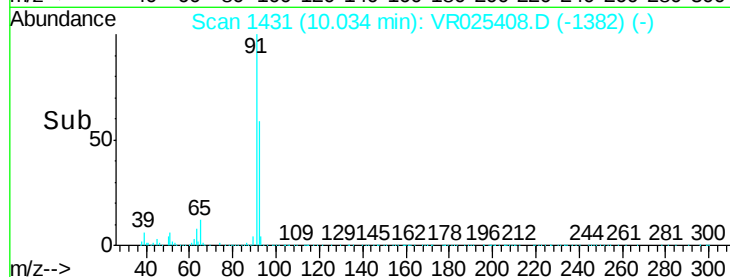
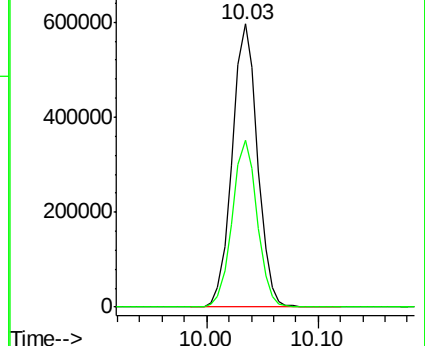
91 100

92 59.0 41.9 77.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 4.417 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VR025408.D

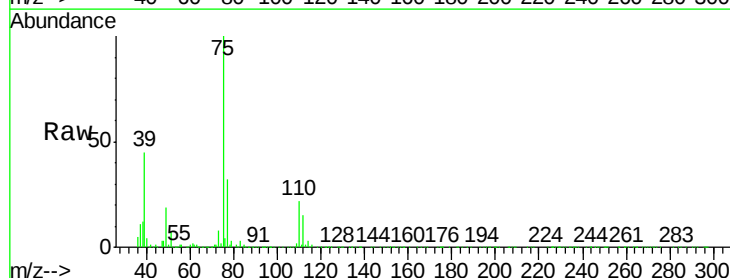
Acq: 22 Jun 2018 11:12

Tgt Ion: 75 Resp: 159781

Ion Ratio Lower Upper

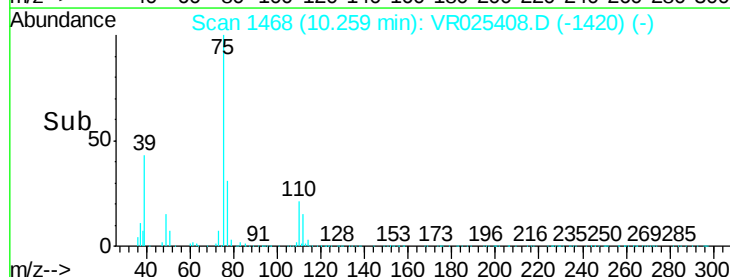
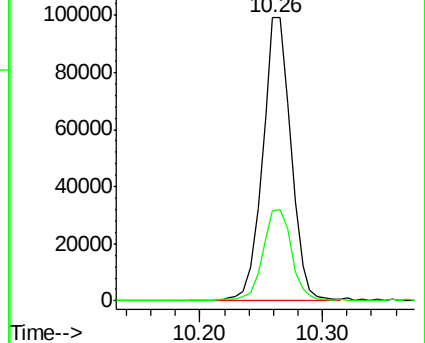
75 100

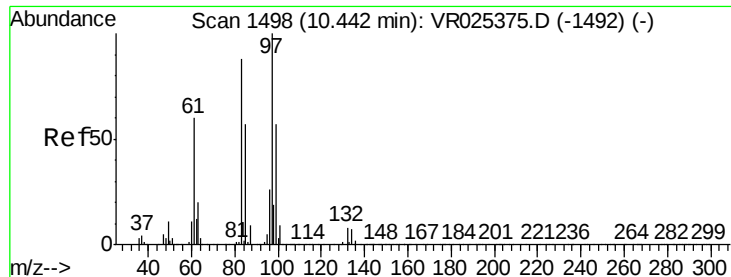
77 31.8 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

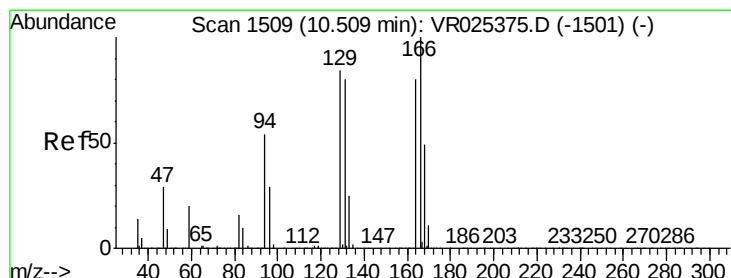
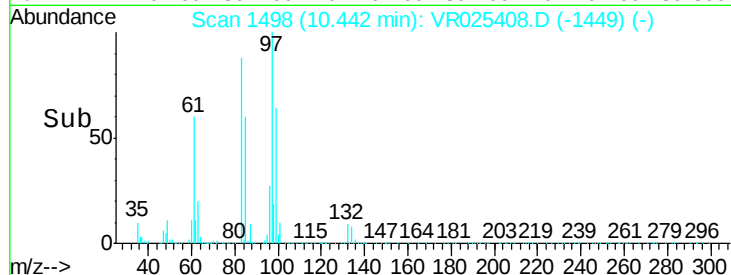
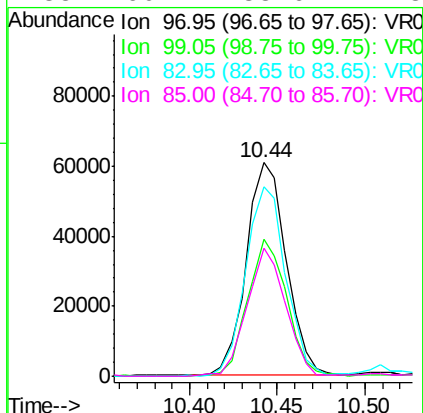
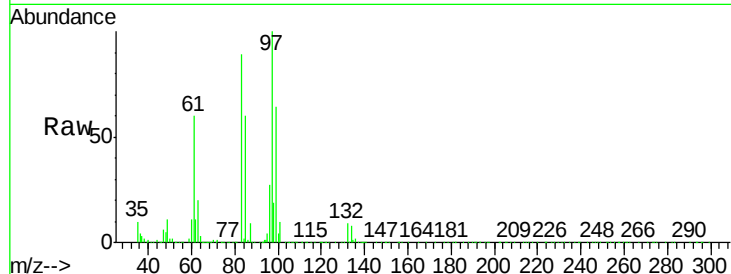




#45
 1,1,2-Trichloroethane
 Concen: 4.650 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

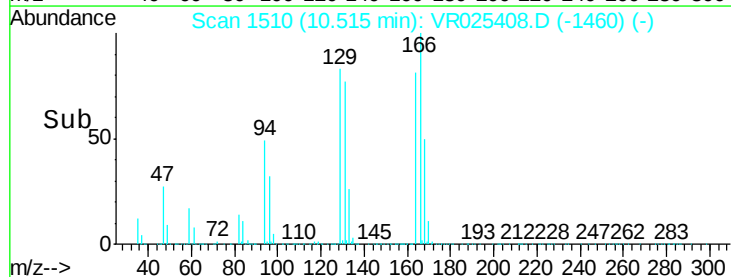
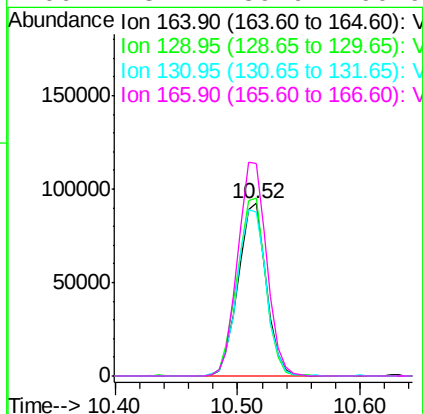
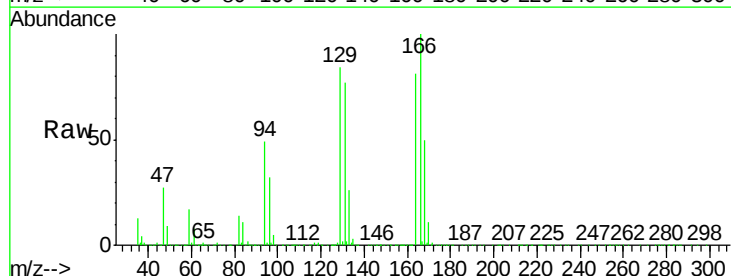
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

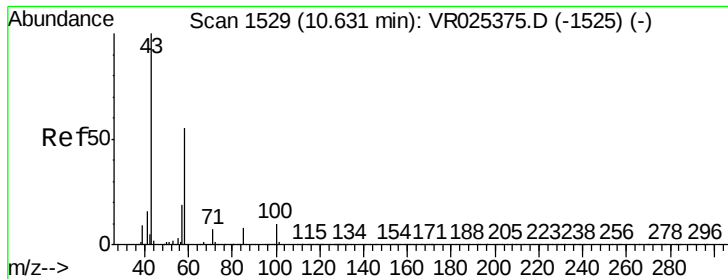
Tgt Ion:	97	Resp:	96390
Ion	Ratio	Lower	Upper
97	100		
99	63.9	41.9	77.9
83	88.5	64.5	119.9
85	60.2	38.6	71.8



#47
 Tetrachloroethene
 Concen: 4.513 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

Tgt Ion:	164	Resp:	146423
Ion	Ratio	Lower	Upper
164	100		
129	103.1	68.1	126.5
131	94.9	68.5	127.1
166	123.2	89.9	166.9

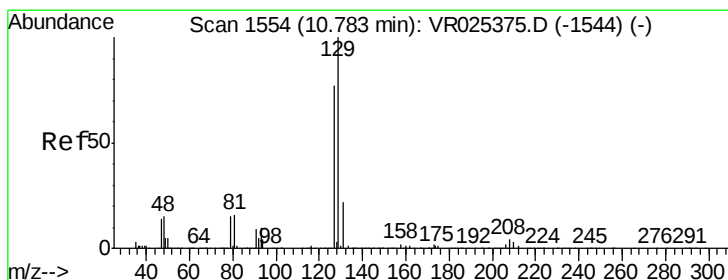
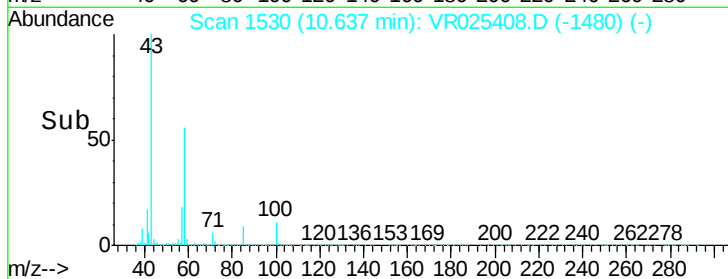
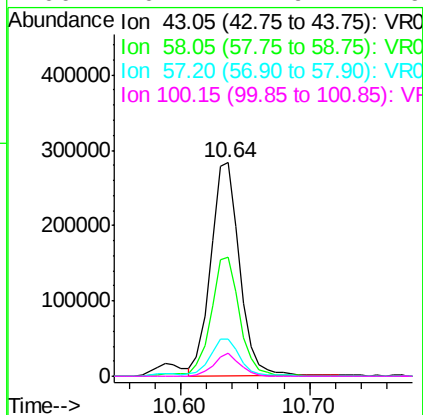
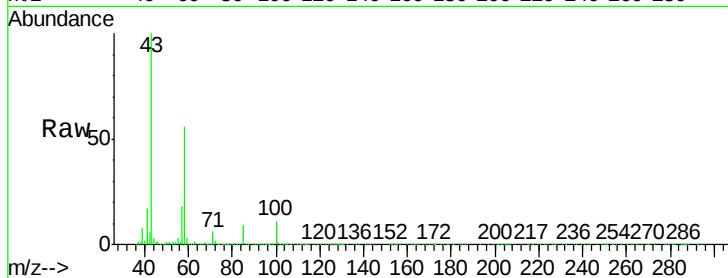




#48
2-Hexanone
Concen: 48.118 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

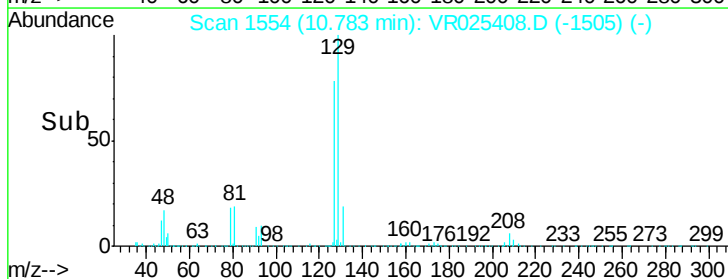
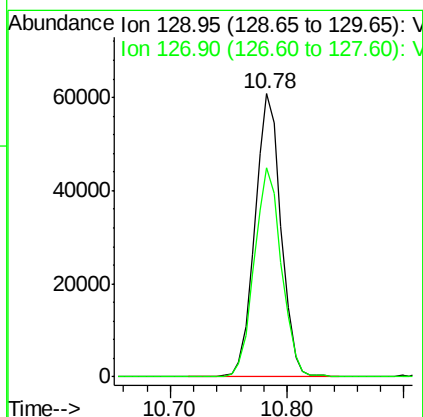
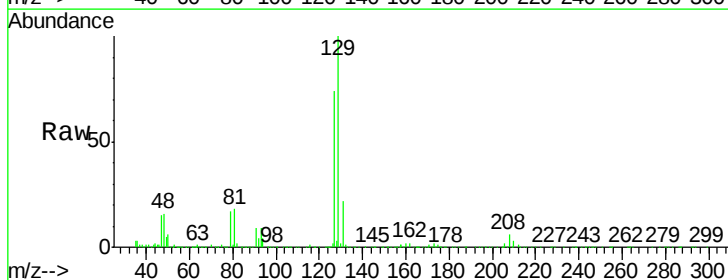
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

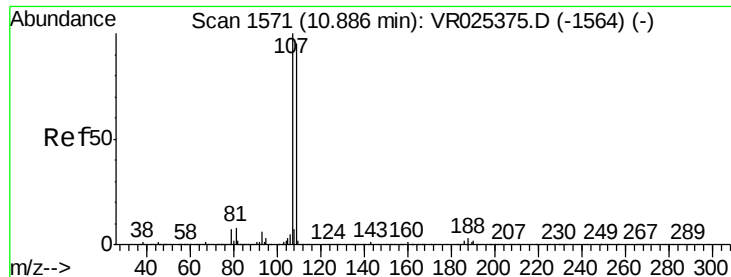
Tgt Ion:	43	Resp:	443236
Ion	Ratio	Lower	Upper
43	100		
58	57.0	43.1	64.7
57	18.3	15.3	22.9
100	10.1	7.9	11.9



#49
Dibromochloromethane
Concen: 4.737 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion:	129	Resp:	94543
Ion	Ratio	Lower	Upper
129	100		
127	73.9	55.9	103.7

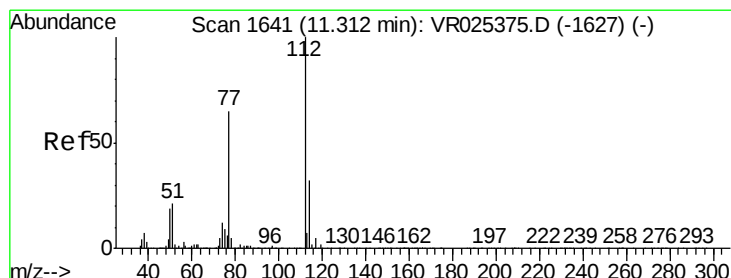
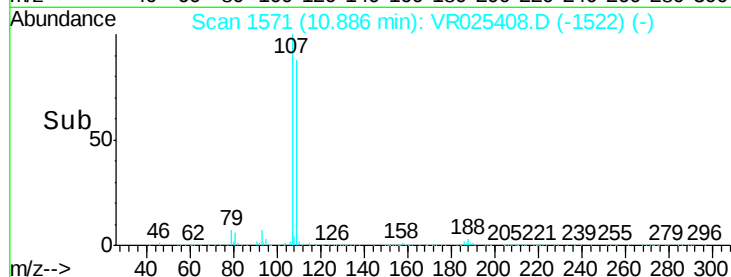
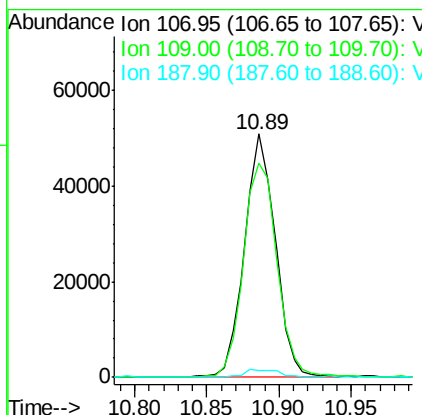
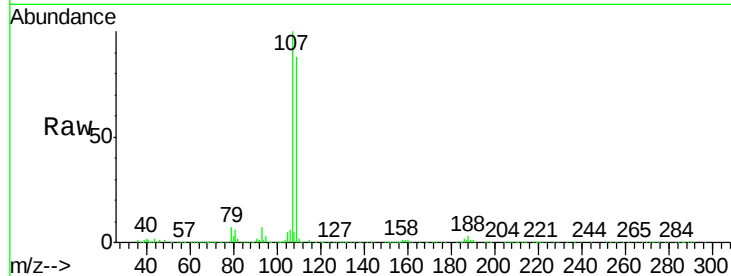




#50
1,2-Dibromoethane
Concen: 4.545 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

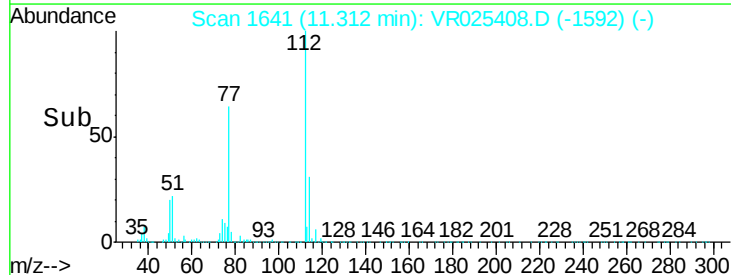
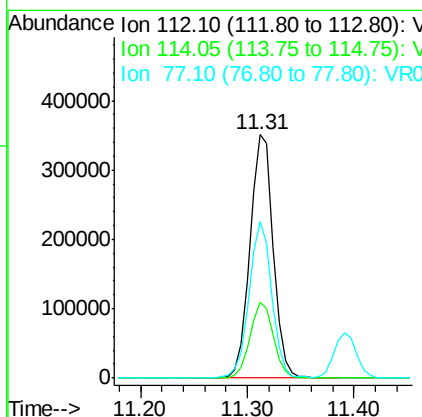
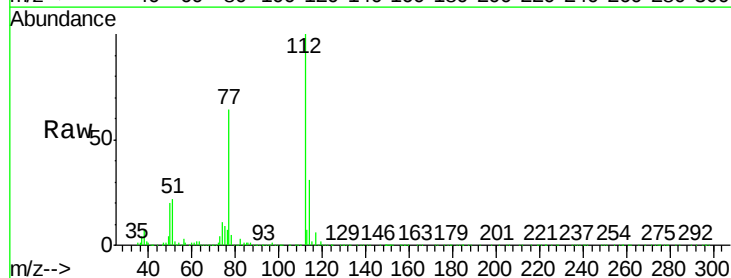
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

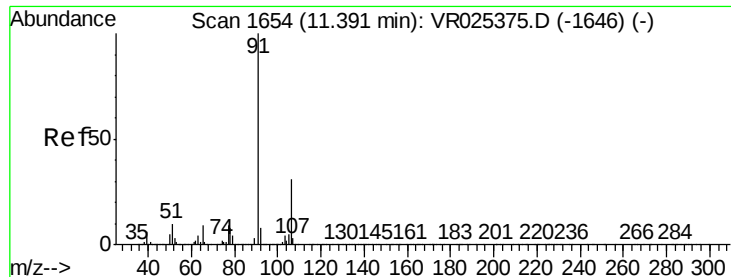
Tgt Ion:107 Resp: 75538
Ion Ratio Lower Upper
107 100
109 87.9 63.1 117.3
188 2.7 1.8 2.8



#51
Chlorobenzene
Concen: 4.660 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion:112 Resp: 537176
Ion Ratio Lower Upper
112 100
114 31.1 21.6 40.0
77 64.1 51.9 77.9





#52

Ethylbenzene

Concen: 4.954 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

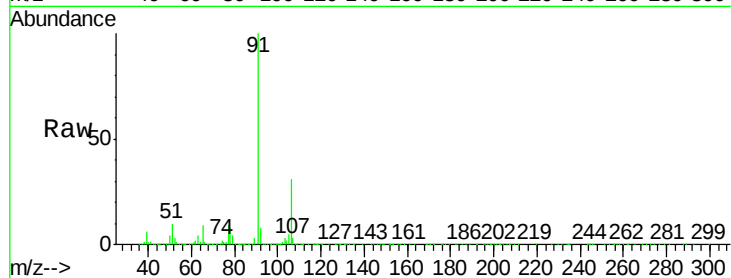
VSTD00595

Tgt Ion: 91 Resp: 1058032

Ion Ratio Lower Upper

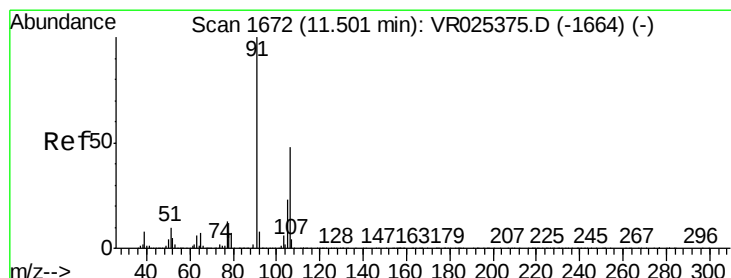
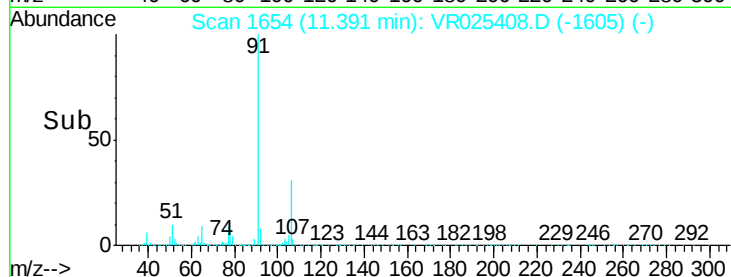
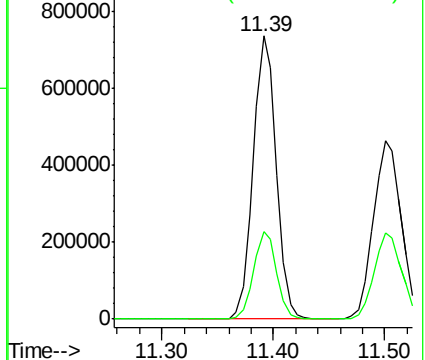
91 100

106 30.8 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 4.698 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025408.D

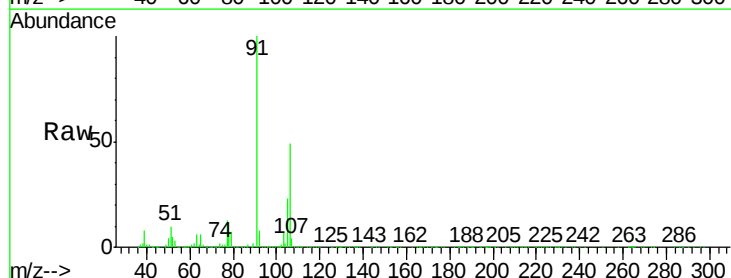
Acq: 22 Jun 2018 11:12

Tgt Ion: 106 Resp: 383010

Ion Ratio Lower Upper

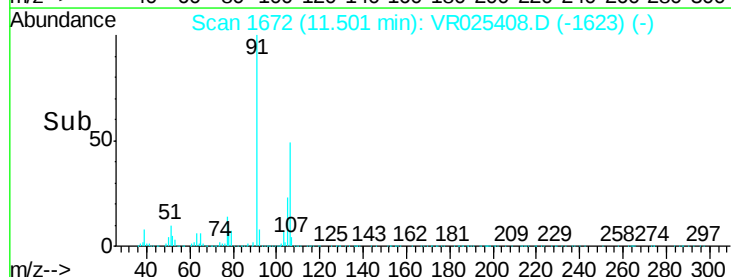
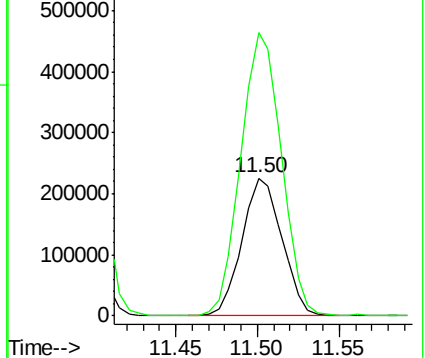
106 100

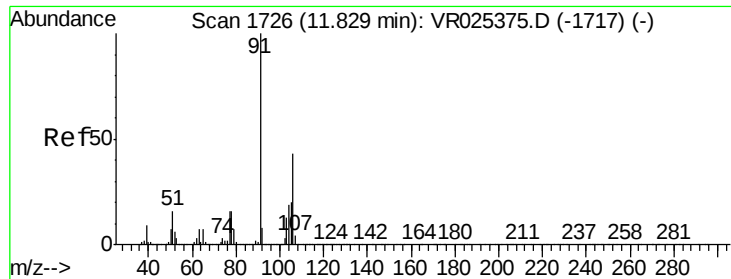
91 205.7 152.6 283.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

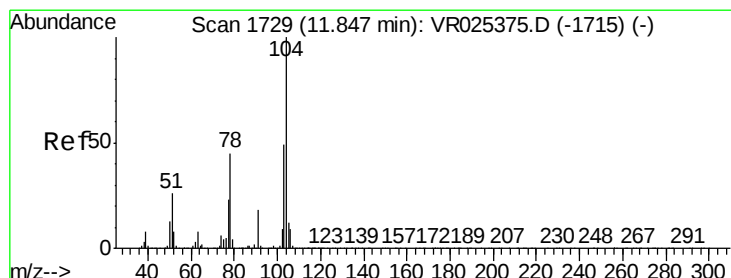
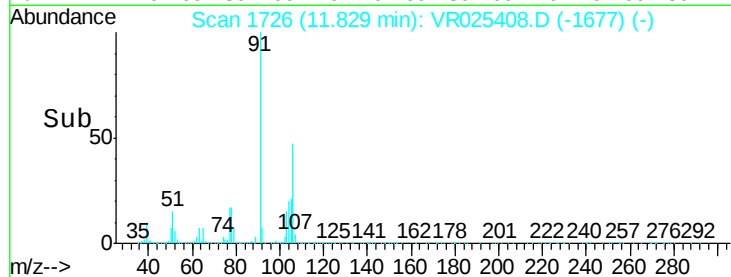
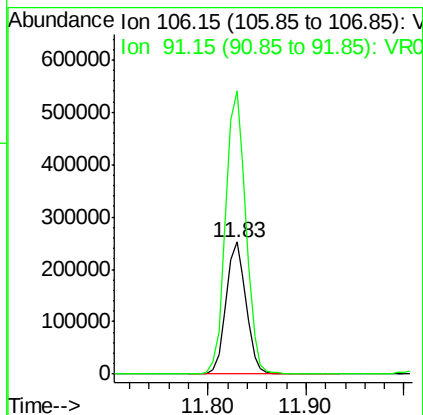
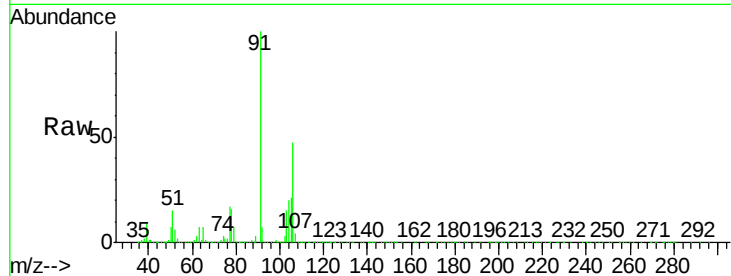




#54
o-Xylene
Concen: 4.899 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

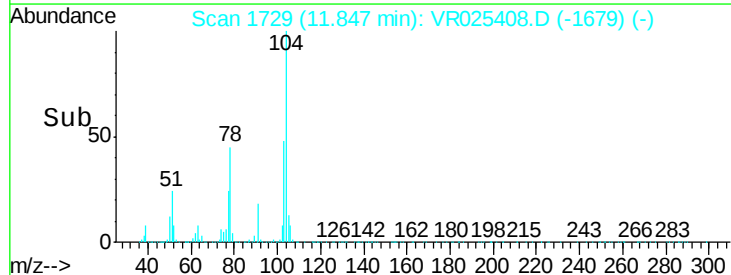
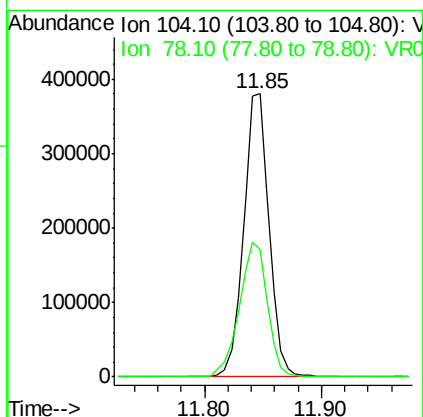
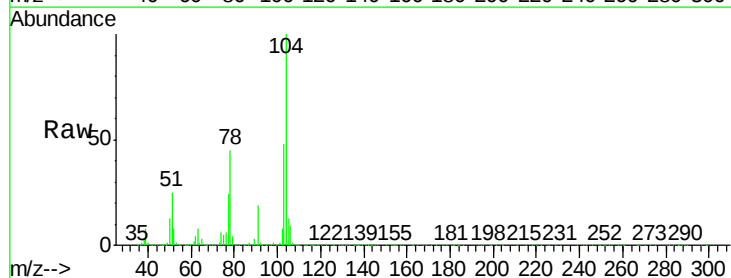
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

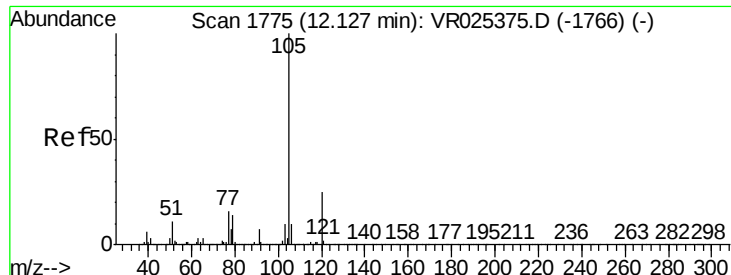
Tgt Ion:106 Resp: 356928
Ion Ratio Lower Upper
106 100
91 214.2 153.7 285.5



#55
Styrene
Concen: 5.143 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.01 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion:104 Resp: 575968
Ion Ratio Lower Upper
104 100
78 45.1 35.4 65.7





#56

Isopropylbenzene

Concen: 5.167 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00595

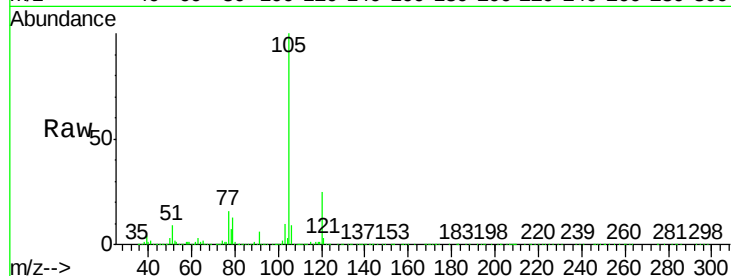
Tgt Ion:105 Resp: 1012198

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.4

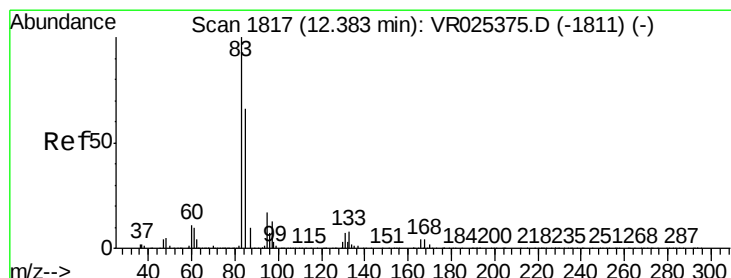
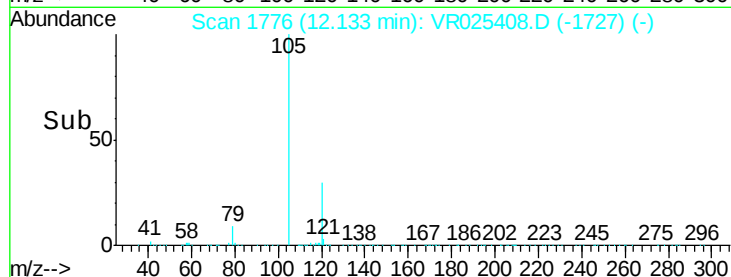
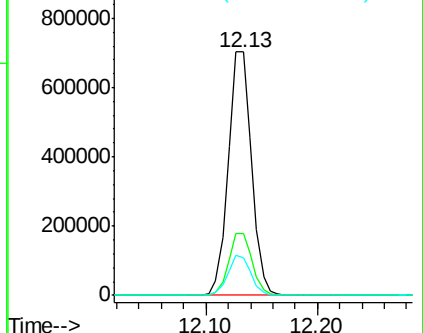
77 16.2 13.0 19.6



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: 5.114 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

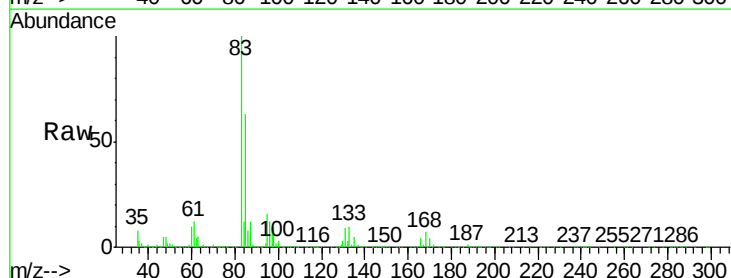
Tgt Ion: 83 Resp: 98173

Ion Ratio Lower Upper

83 100

85 62.6 41.8 77.6

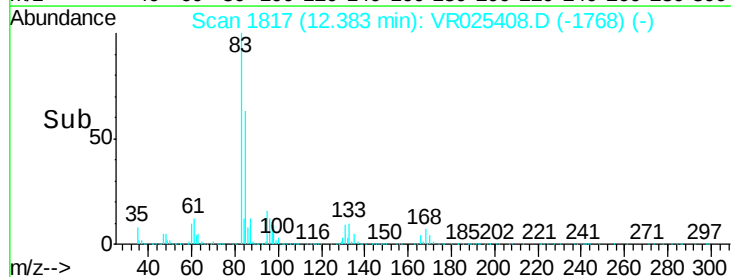
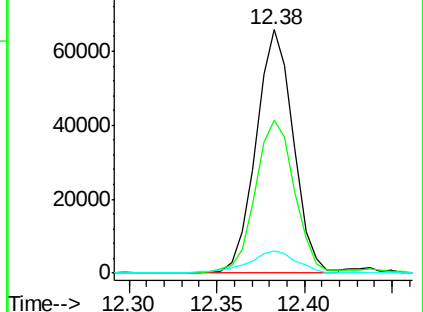
131 9.0 6.1 9.1

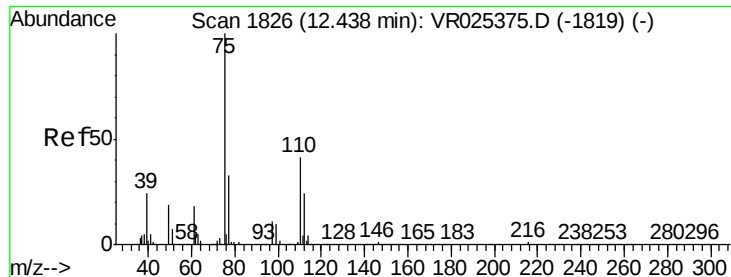


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

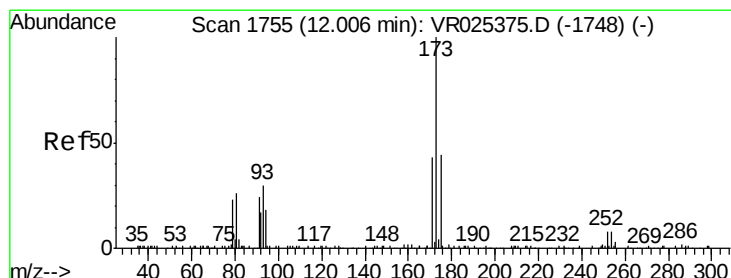
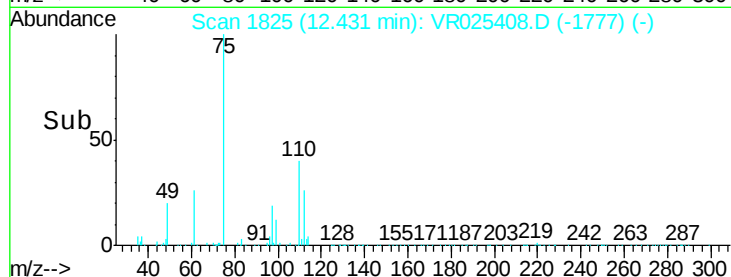
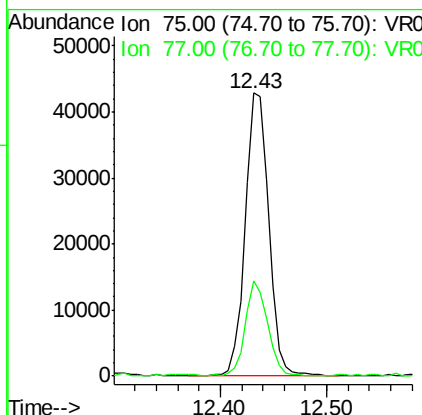
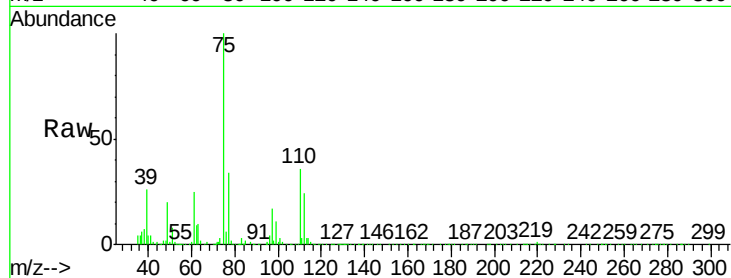




#59
 1,2,3-Trichloropropane
 Concen: 4.834 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

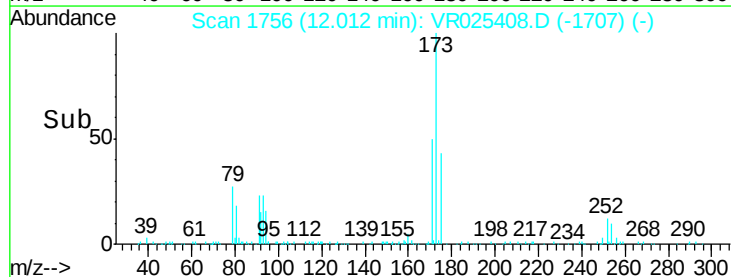
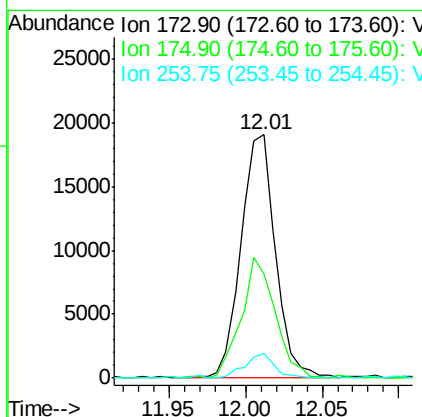
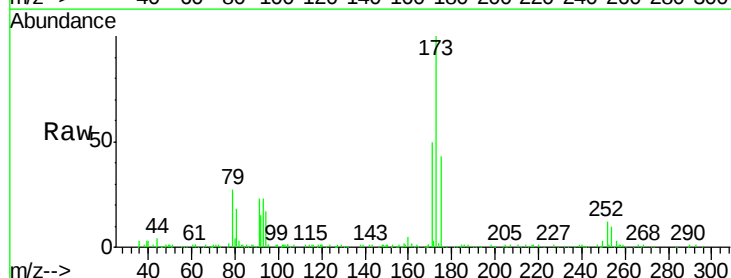
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

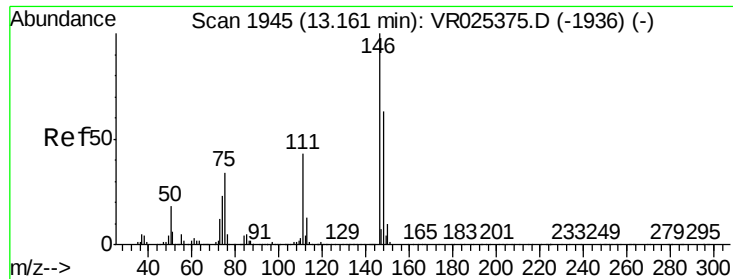
Tgt Ion: 75 Resp: 66982
 Ion Ratio Lower Upper
 75 100
 77 32.0 27.0 40.4



#61
 Bromoform
 Concen: 4.068 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

Tgt Ion: 173 Resp: 29819
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.5 56.3
 254 8.8 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 4.643 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

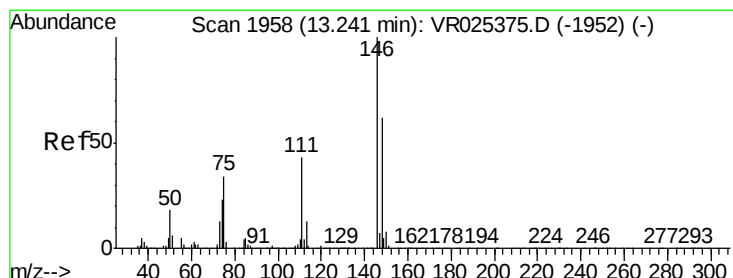
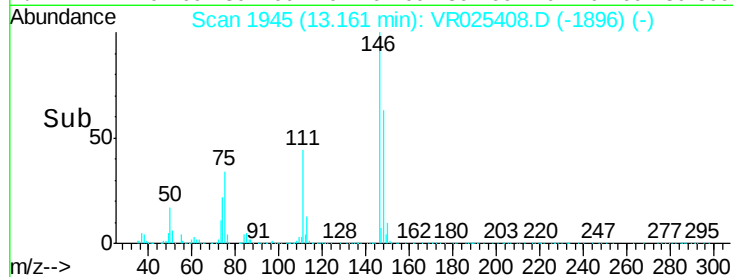
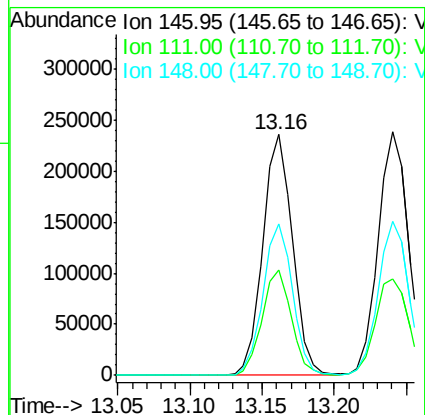
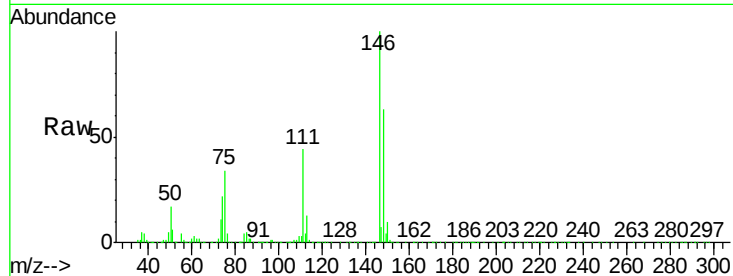
Instrument :

MSVOA_R

ClientSampleId :

VSTD00595

Tgt Ion:	146	Resp:	334897
Ion	Ratio	Lower	Upper
146	100		
111	43.8	31.0	57.6
148	63.0	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 4.762 ug/L

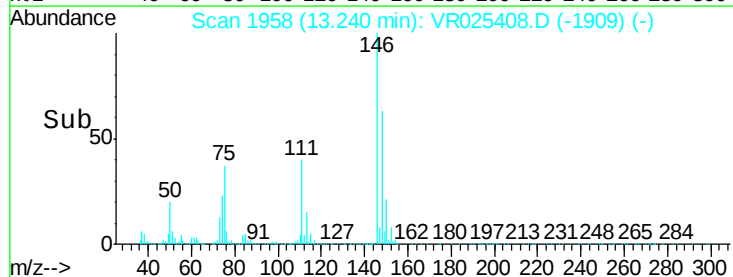
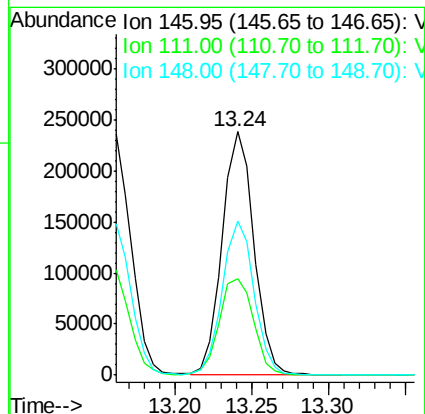
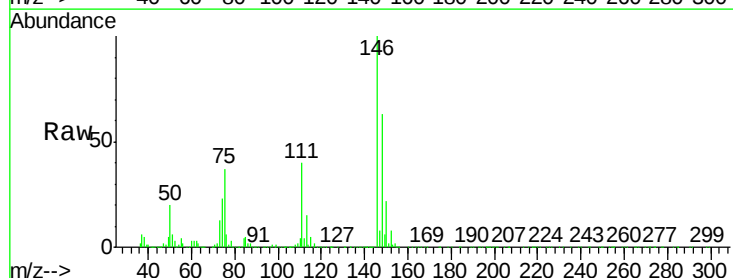
RT: 13.24 min Scan# 1958

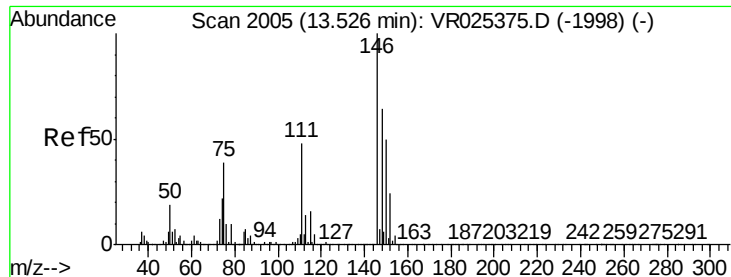
Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Tgt Ion:	146	Resp:	343381
Ion	Ratio	Lower	Upper
146	100		
111	39.9	30.5	56.7
148	63.5	42.8	79.4

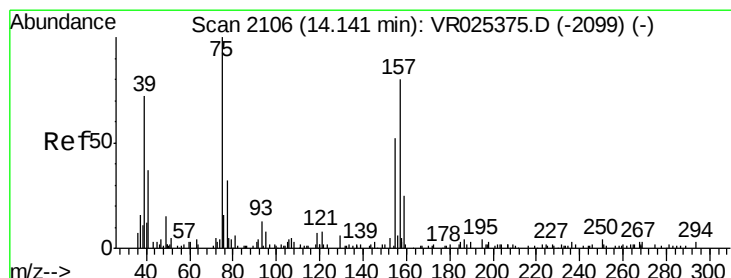
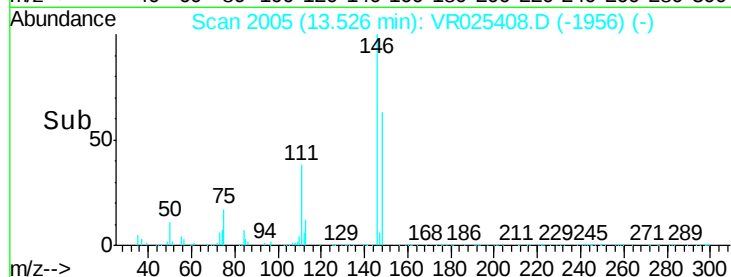
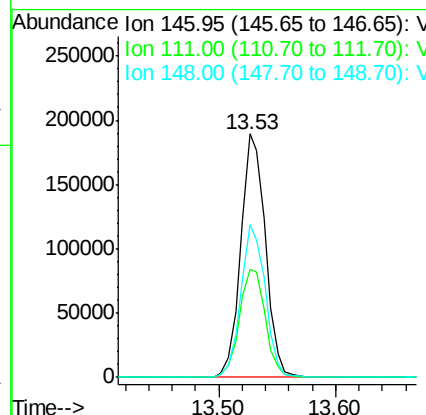
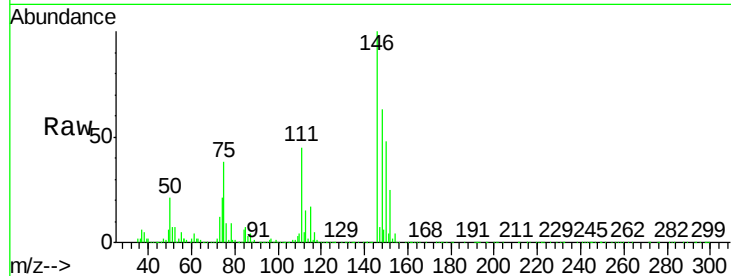




#65
1,2-Dichlorobenzene
Concen: 4.821 ug/L
RT: 13.53 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

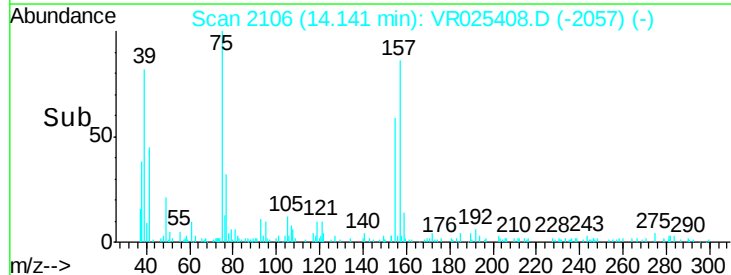
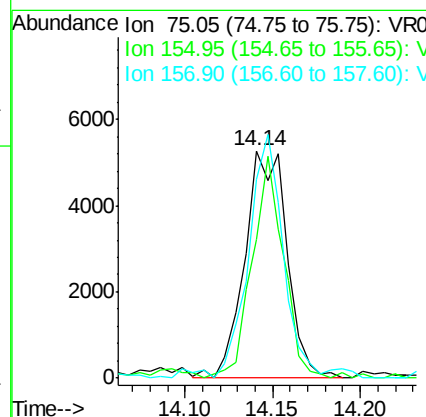
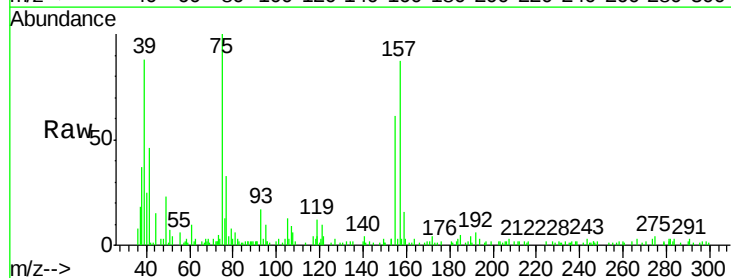
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

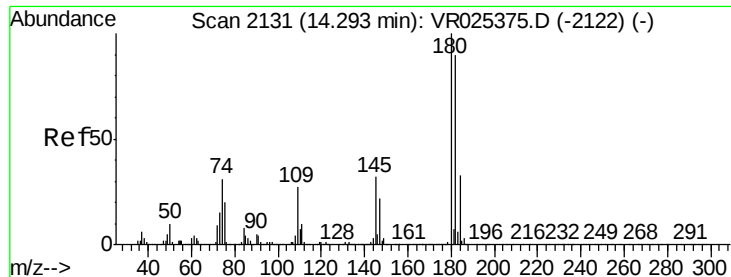
Tgt Ion: 146 Resp: 278671
Ion Ratio Lower Upper
146 100
111 44.6 35.8 53.8
148 62.7 50.4 75.6



#66
1,2-Dibromo-3-chloropropane
Concen: 3.875 ug/L
RT: 14.14 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VR025408.D
Acq: 22 Jun 2018 11:12

Tgt Ion: 75 Resp: 8851
Ion Ratio Lower Upper
75 100
155 61.3 74.1 111.1#
157 87.4 71.0 106.6

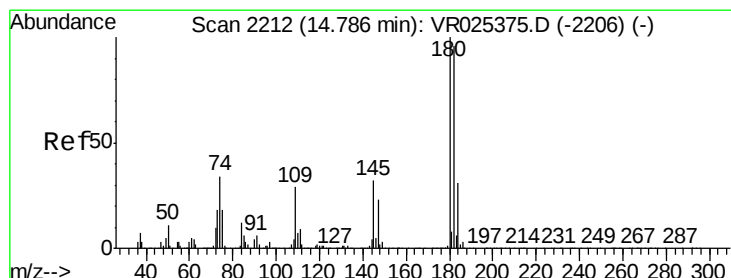
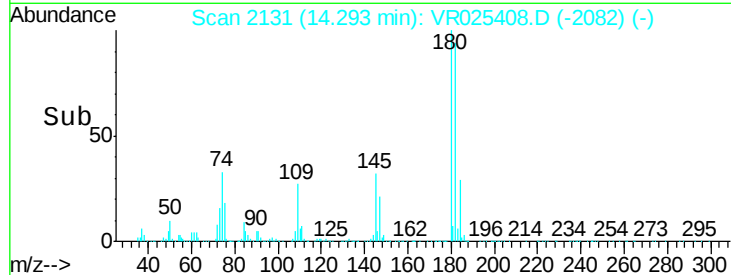
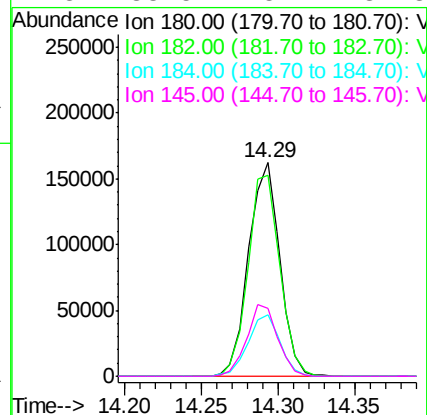
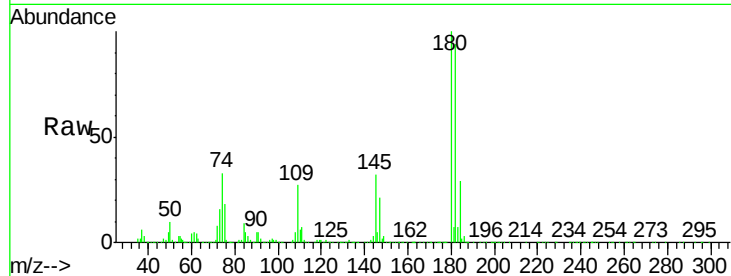




#67
 1,3,5-Trichlorobenzene
 Concen: 4.797 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

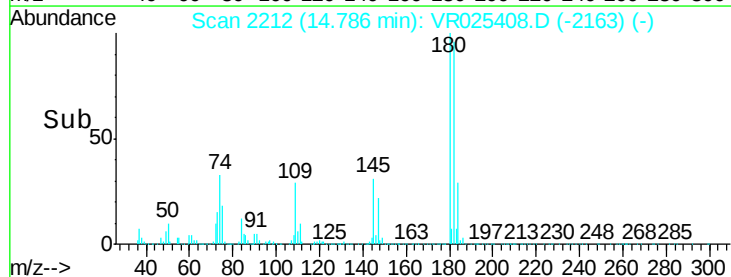
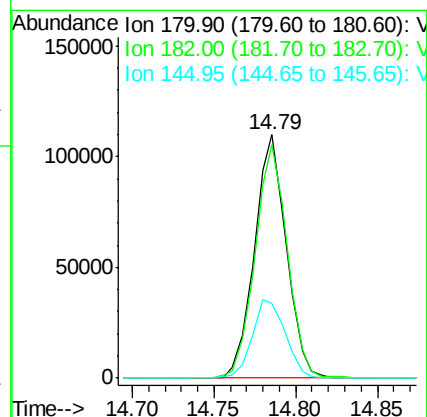
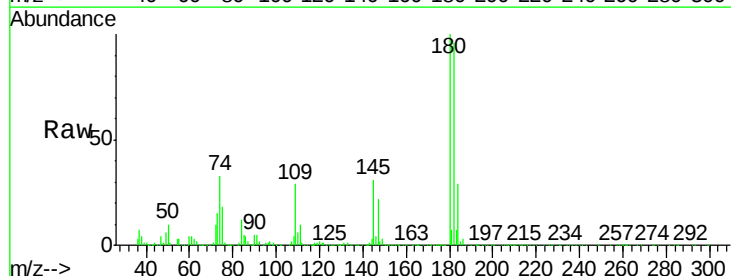
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

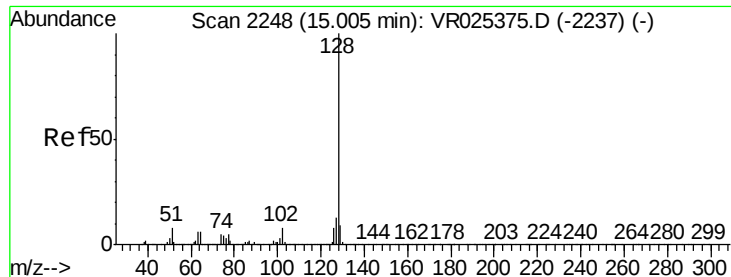
Tgt Ion:	180	Resp:	229120
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.0	114.0
184	29.6	24.5	36.7
145	33.5	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.490 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025408.D
 Acq: 22 Jun 2018 11:12

Tgt Ion:	180	Resp:	149315
Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.0	112.4
145	34.0	27.3	40.9





#69

Naphthalene

Concen: 4.350 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00595

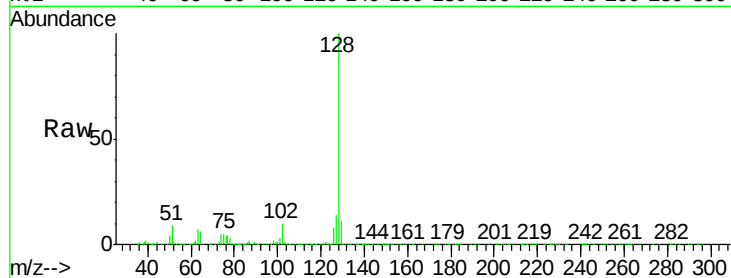
Tgt Ion:128 Resp: 188297

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

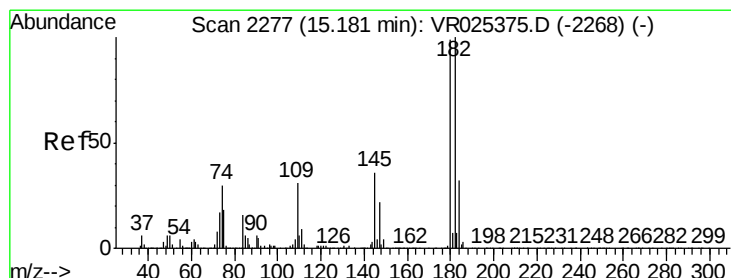
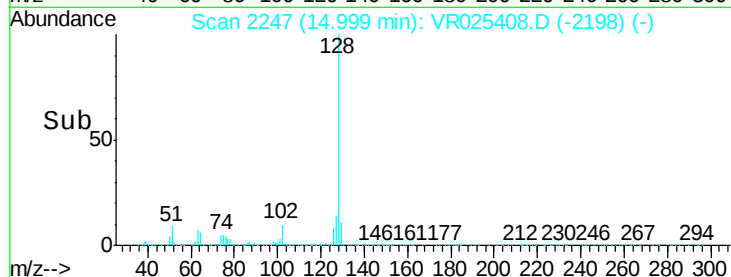
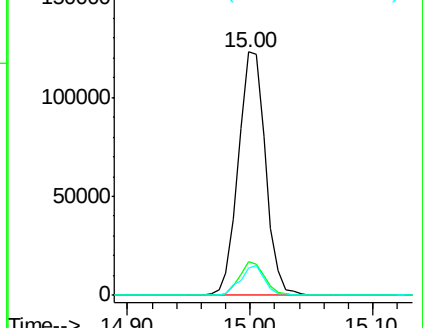
129 11.1 8.6 13.0



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: 4.965 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025408.D

Acq: 22 Jun 2018 11:12

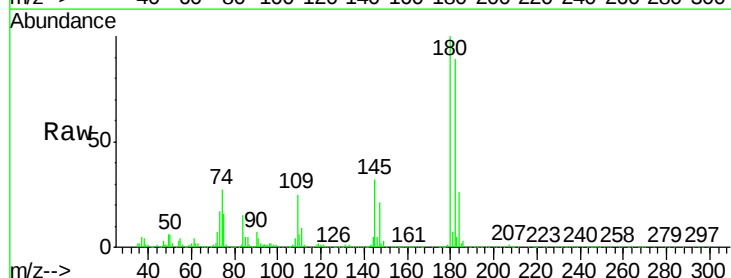
Tgt Ion:180 Resp: 127783

Ion Ratio Lower Upper

180 100

182 93.8 75.2 112.8

145 36.1 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

