

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062018\
 Data File : VR025389.D
 Acq On : 20 Jun 2018 19:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Quant Time: Jun 21 01:42:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 21 01:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	502018	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	439647	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	188483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	93520	5.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.40%
7) Chloroethane-d5	2.63	69	70780	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.60%
11) 1,1-Dichloroethene-d2	3.65	63	252745	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.00%
20) 2-Butanone-d5	6.60	46	310132	67.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.32%#
24) Chloroform-d	7.21	84	398190	6.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.60%
26) 1,2-Dichloroethane-d4	7.90	65	158414	6.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.60%
32) Benzene-d6	7.86	84	851591	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.20%
36) 1,2-Dichloropropane-d6	8.90	67	243859	5.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.20%
41) Toluene-d8	9.97	98	784563	5.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.00%
43) trans-1,3-Dichloropropene-	10.24	79	56615	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	10.59	63	282256	72.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	144.30%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	117579	7.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	142.60%#
64) 1,2-Dichlorobenzene-d4	13.51	152	177656	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	166369	5.127 ug/L	98
3) Chloromethane	2.02	50	101066	4.303 ug/L	98
5) Vinyl chloride	2.16	62	96964	4.665 ug/L	99
6) Bromomethane	2.53	94	47605	4.698 ug/L	95
8) Chloroethane	2.67	64	53202	4.902 ug/L	94
9) Trichlorofluoromethane	2.98	101	150851	4.968 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	93243	5.235 ug/L	96
12) 1,1-Dichloroethene	3.66	96	88799	5.032 ug/L	90
13) Acetone	3.71	43	132994	64.248 ug/L	99
14) Carbon disulfide	3.97	76	135131	3.640 ug/L	98
15) Methyl Acetate	4.20	43	28355	5.448 ug/L	99
16) Methylene chloride	4.41	84	46858	2.919 ug/L	99
17) Methyl tert-butyl Ether	4.90	73	309054	5.875 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	203293	5.604 ug/L	94
19) 1,1-Dichloroethane	5.70	63	376660	5.527 ug/L	97
21) 2-Butanone	6.70	43	339238	69.336 ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	215409	5.690 ug/L #	100

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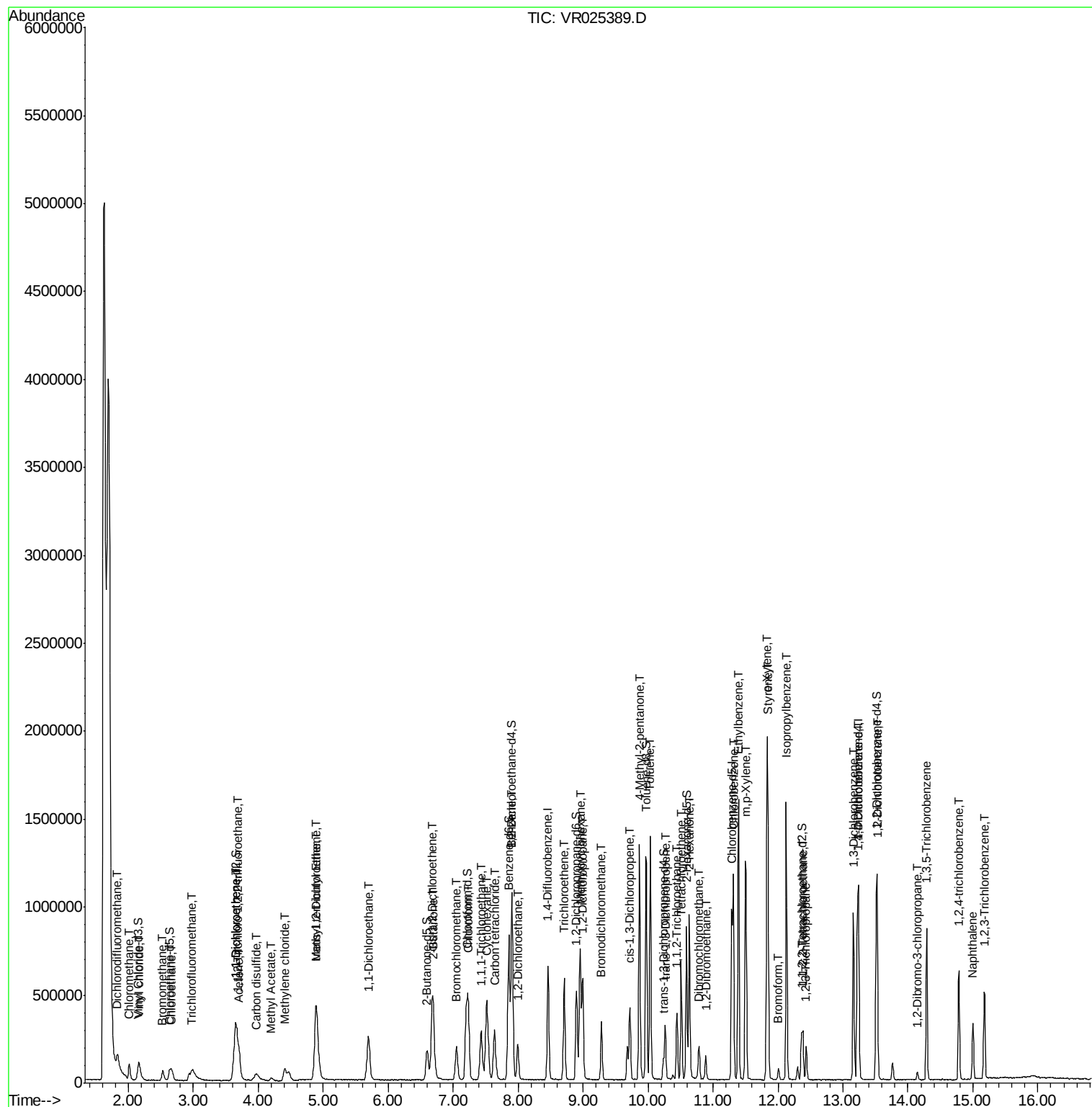
23) Bromochloromethane	7.05	128	63925	5.766	ug/L	93
25) Chloroform	7.24	83	374129	6.005	ug/L	99
27) 1,2-Dichloroethane	7.99	62	171311	6.024	ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	244855	4.689	ug/L	98
30) Cyclohexane	7.52	56	286465	4.297	ug/L	99
31) Carbon tetrachloride	7.64	117	219125	4.779	ug/L	100
33) Benzene	7.91	78	898214	5.203	ug/L	100
34) Trichloroethene	8.71	95	200623	4.804	ug/L	98
35) Methylcyclohexane	8.96	83	300910	4.566	ug/L	99
37) 1,2-Dichloropropane	8.99	63	220287	5.741	ug/L	100
38) Bromodichloromethane	9.28	83	197641	5.311	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	216682	4.795	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	829748	66.821	ug/L	99
42) Toluene	10.03	91	900583	4.869	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	153558	4.940	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	108194	6.074	ug/L	95
47) Tetrachloroethene	10.52	164	133752	4.798	ug/L	97
48) 2-Hexanone	10.64	43	560836	70.852	ug/L	98
49) Dibromochloromethane	10.78	129	91081	5.311	ug/L	92
50) 1,2-Dibromoethane	10.89	107	85633	5.996	ug/L	96
51) Chlorobenzene	11.31	112	520514	5.254	ug/L	98
52) Ethylbenzene	11.39	91	1002172	5.461	ug/L	98
53) m,p-Xylene	11.50	106	370759	5.292	ug/L	98
54) o-Xylene	11.83	106	344795	5.507	ug/L	95
55) Styrene	11.85	104	578850	6.015	ug/L	91
56) Isopropylbenzene	12.13	105	917881	5.452	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	116977	7.091	ug/L	94
59) 1,2,3-Trichloropropane	12.43	75	77929	6.545	ug/L	96
61) Bromoform	12.01	173	25852	3.846	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	328360	4.964	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	347822	5.259	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	292002	5.509	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	9854	4.704	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.29	180	219553	5.012	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	156465	5.130	ug/L	99
69) Naphthalene	15.00	128	225177	5.673	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	135346	5.735	ug/L	98

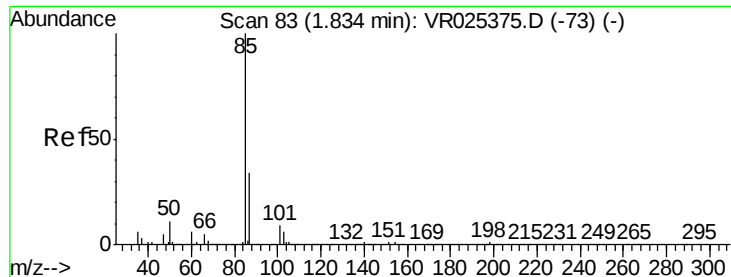
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.127 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

Instrument :

MSVOA_R

ClientSampleId :

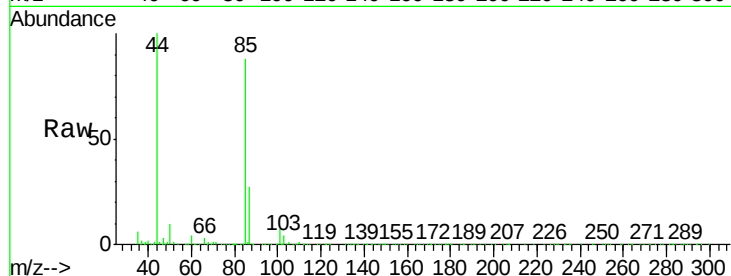
VSTD00592

Tgt Ion: 85 Resp: 166369

Ion Ratio Lower Upper

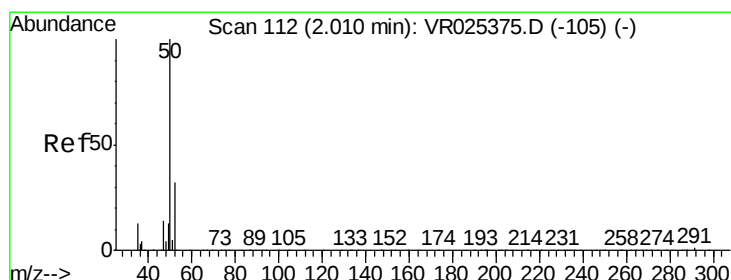
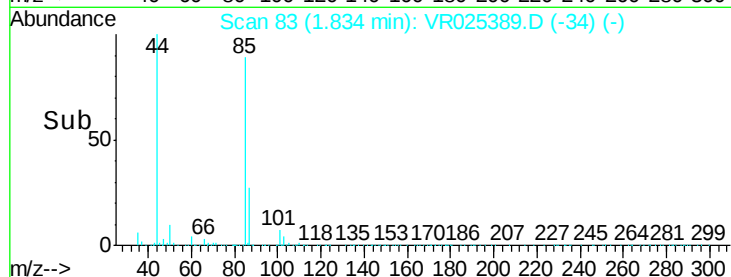
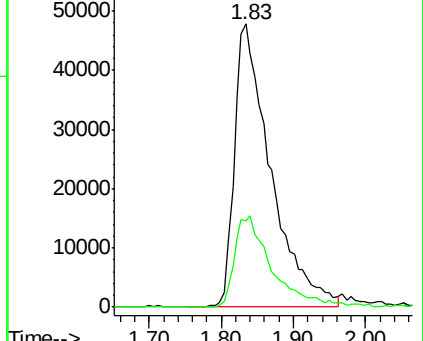
85 100

87 33.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.303 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025389.D

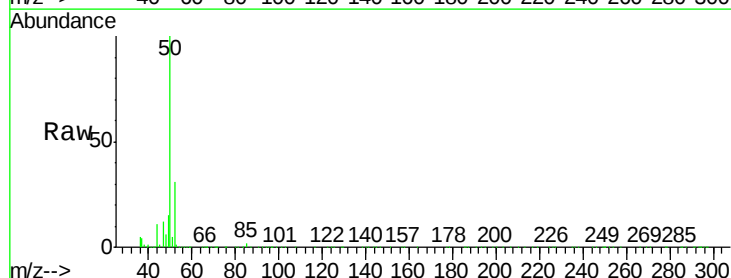
Acq: 20 Jun 2018 19:46

Tgt Ion: 50 Resp: 101066

Ion Ratio Lower Upper

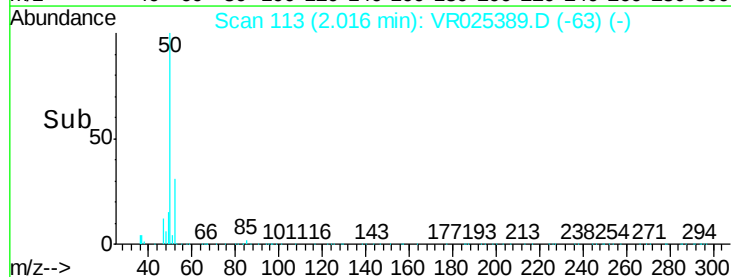
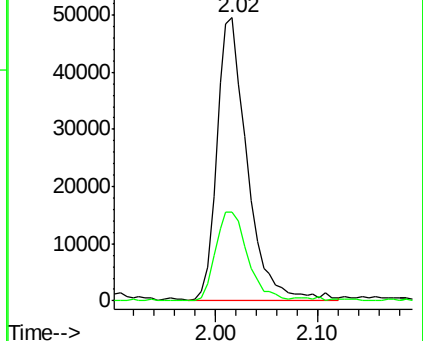
50 100

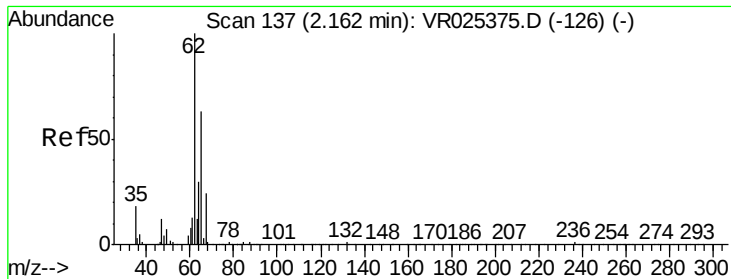
52 31.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.665 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR025389.D

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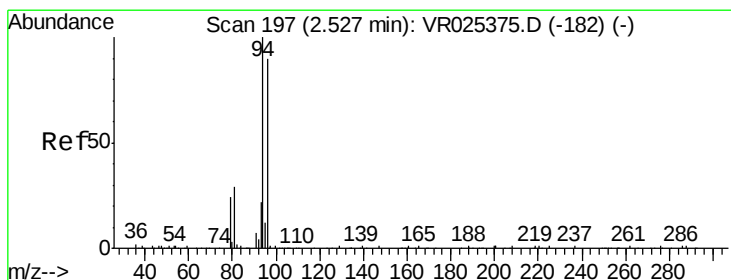
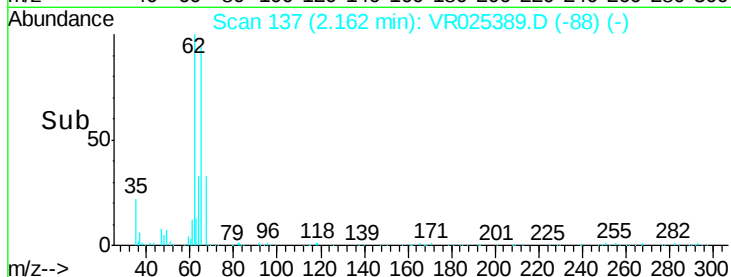
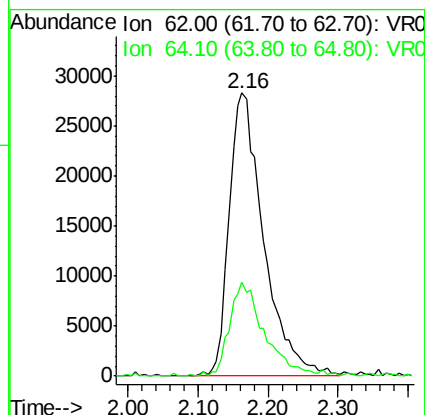
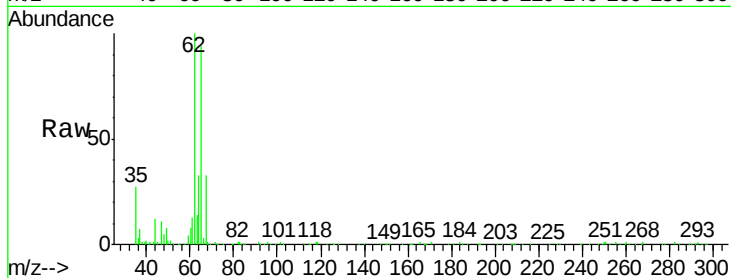
VSTD00592

Tgt Ion: 62 Resp: 96964

Ion Ratio Lower Upper

62 100

64 33.0 22.8 42.4



#6

Bromomethane

Concen: 4.698 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025389.D

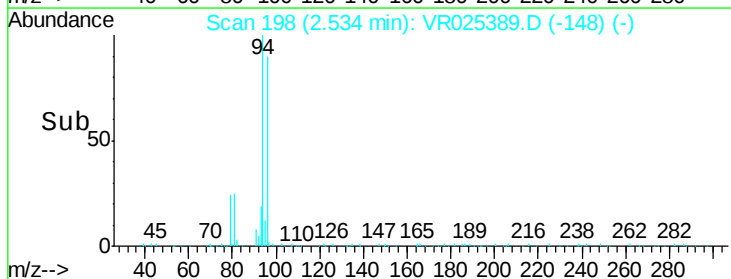
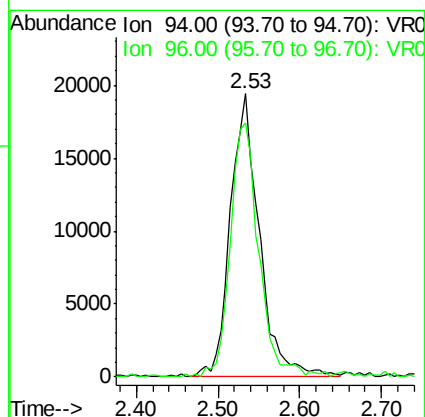
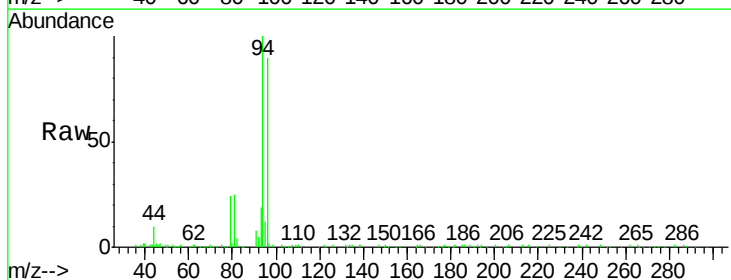
Acq: 20 Jun 2018 19:46

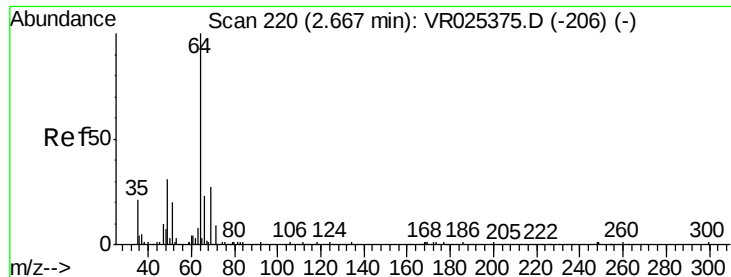
Tgt Ion: 94 Resp: 47605

Ion Ratio Lower Upper

94 100

96 89.7 65.9 122.3





#8

Chloroethane

Concen: 4.902 ug/L

RT: 2.67 min Scan# 221

Delta R.T. 0.01 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

Instrument :

MSVOA_R

ClientSampleId :

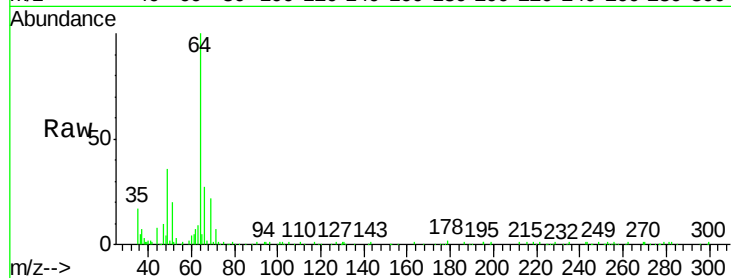
VSTD00592

Tgt Ion: 64 Resp: 53202

Ion Ratio Lower Upper

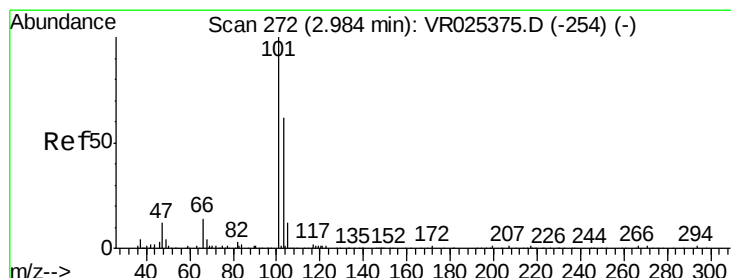
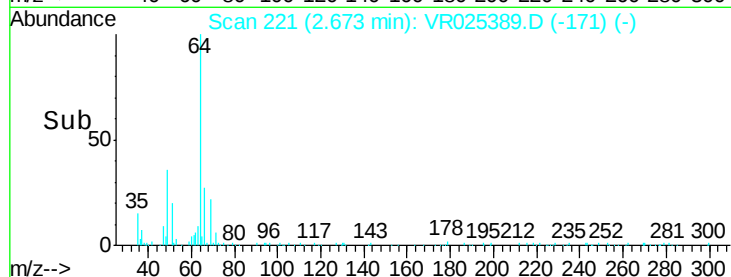
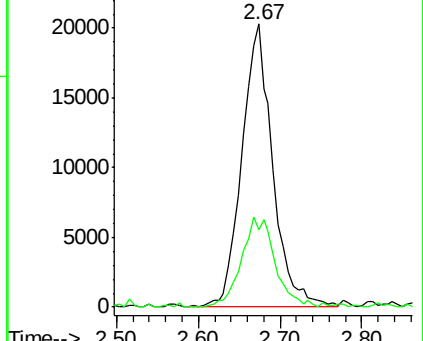
64 100

66 27.3 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: 4.968 ug/L

RT: 2.98 min Scan# 271

Delta R.T. -0.01 min

Lab File: VR025389.D

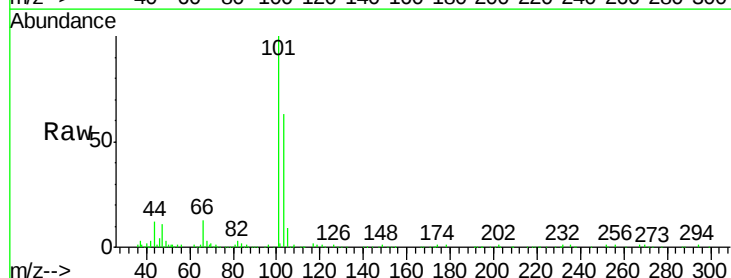
Acq: 20 Jun 2018 19:46

Tgt Ion: 101 Resp: 150851

Ion Ratio Lower Upper

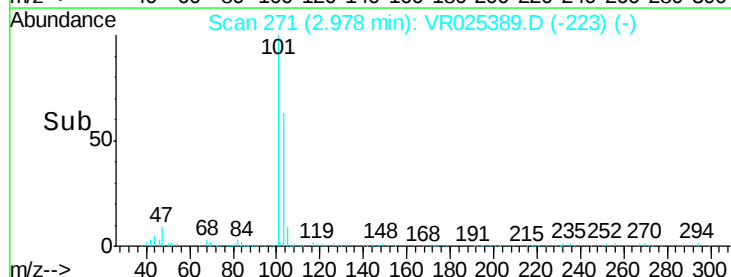
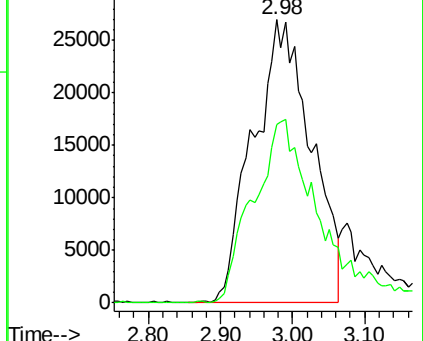
101 100

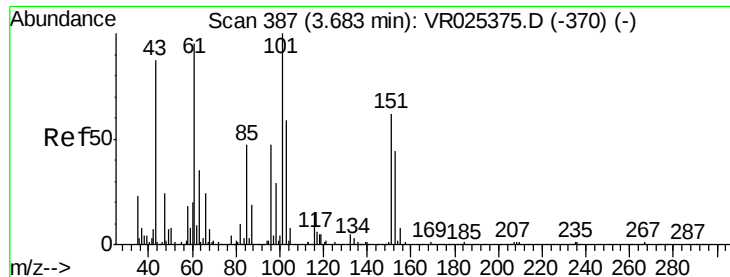
103 74.2 11.0 16.4#



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: 5.235 ug/L

RT: 3.69 min Scan# 388

Delta R.T. 0.01 min

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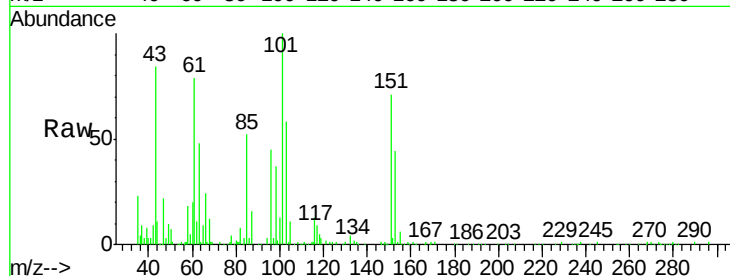
Tgt Ion:101 Resp: 93243

Ion Ratio Lower Upper

101 100

85 51.6 39.1 58.7

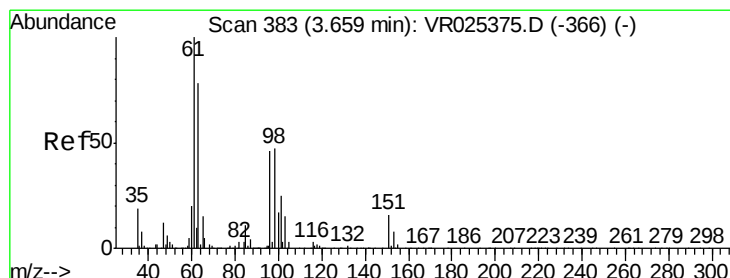
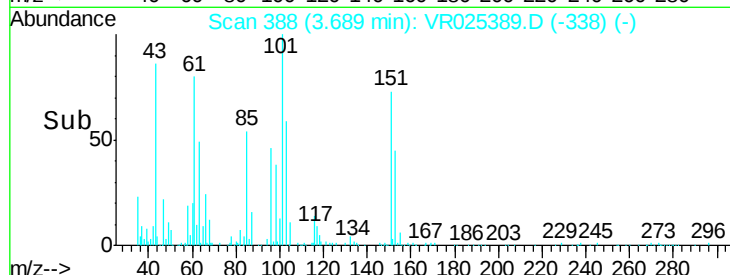
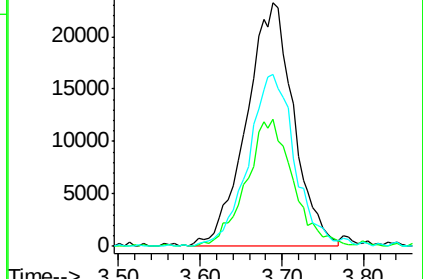
151 69.1 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.032 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.00 min

Lab File: VR025389.D

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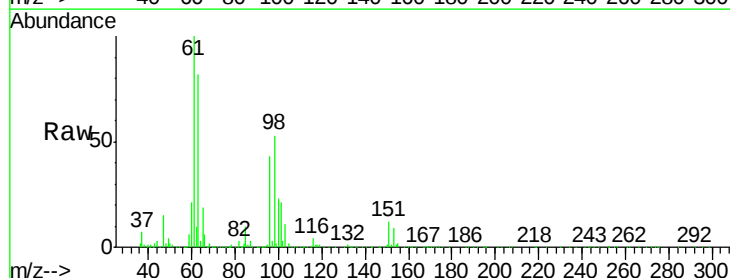
Tgt Ion: 96 Resp: 88799

Ion Ratio Lower Upper

96 100

61 233.5 155.0 287.9

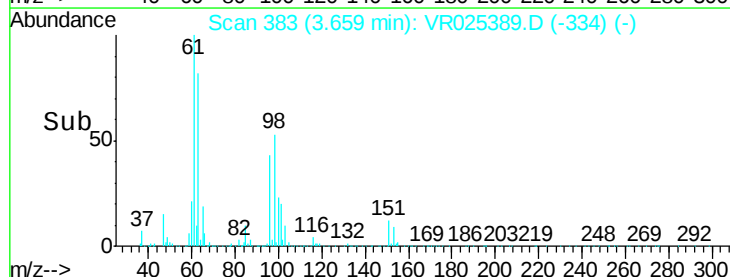
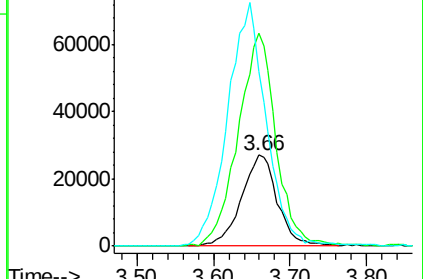
63 192.0 122.3 227.1

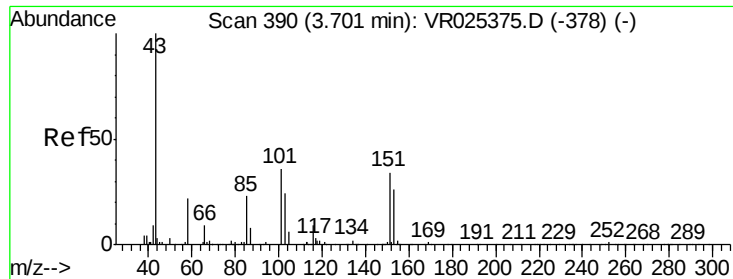


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 64.248 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

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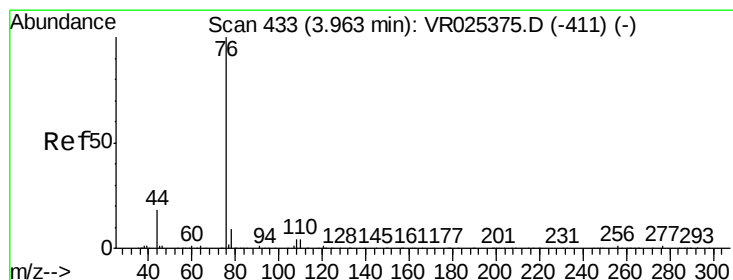
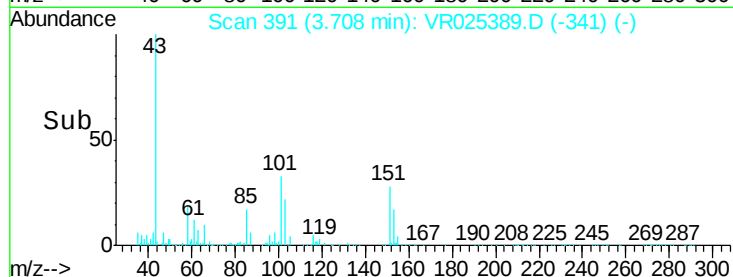
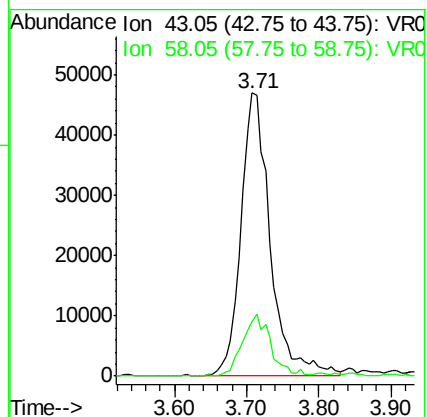
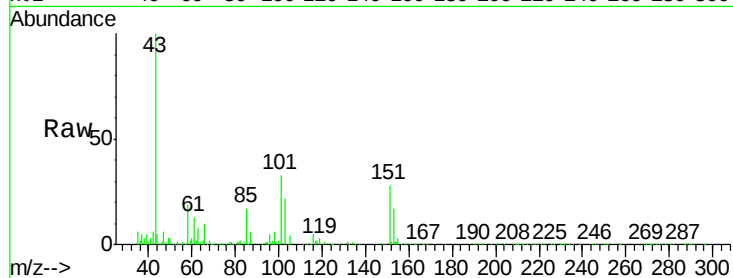
VSTD00592

Tgt Ion: 43 Resp: 132994

Ion Ratio Lower Upper

43 100

58 20.5 0.0 41.6



#14

Carbon disulfide

Concen: 3.640 ug/L

RT: 3.97 min Scan# 434

Delta R.T. 0.01 min

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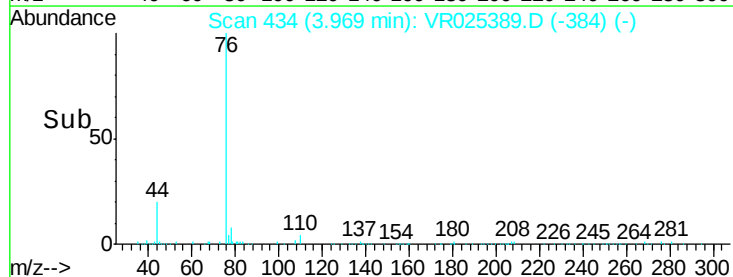
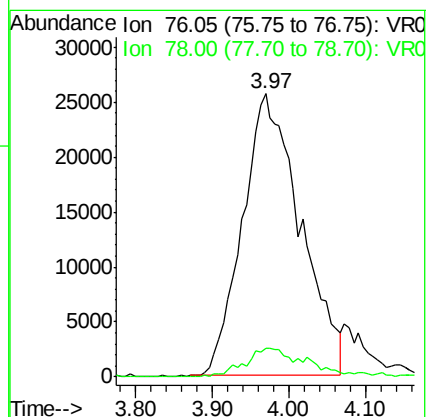
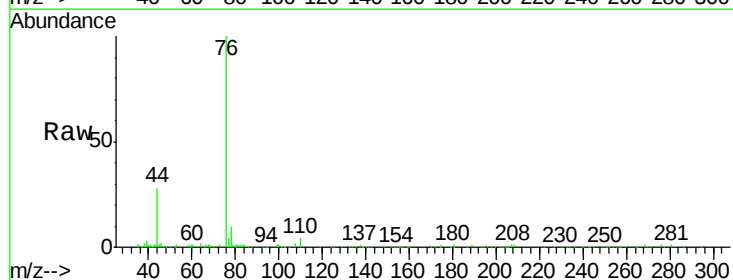
Acq: 20 Jun 2018 19:46

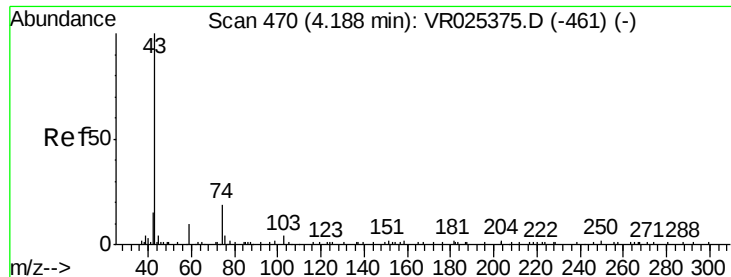
Tgt Ion: 76 Resp: 135131

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2

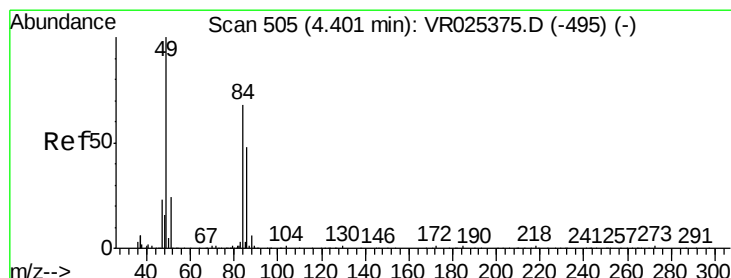
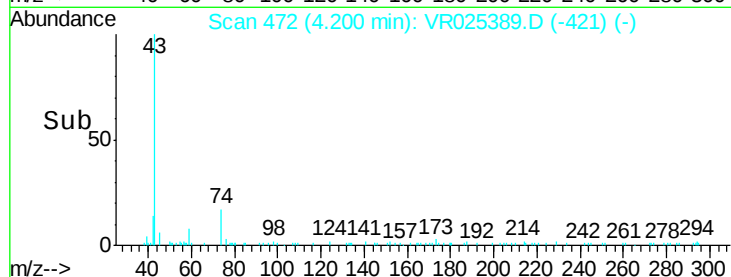
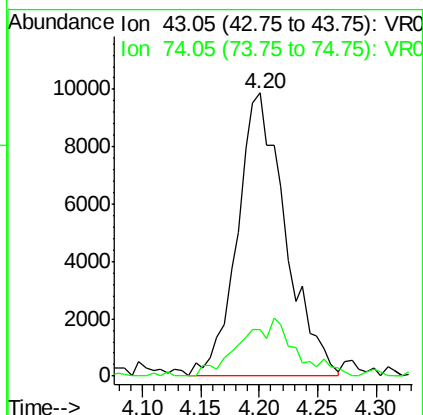
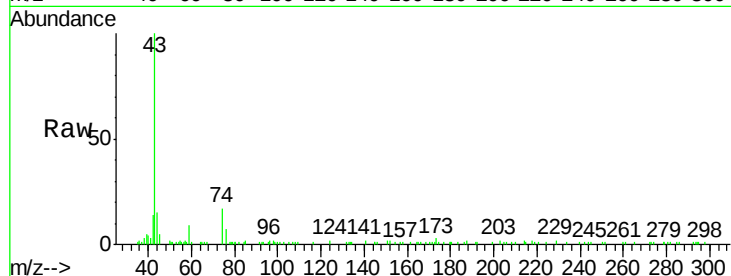




#15
Methyl Acetate
Concen: 5.448 ug/L
RT: 4.20 min Scan# 472
Delta R.T. 0.01 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

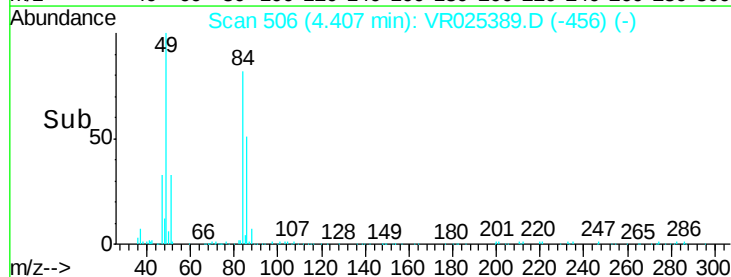
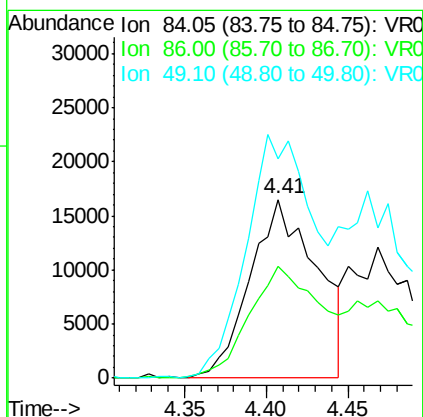
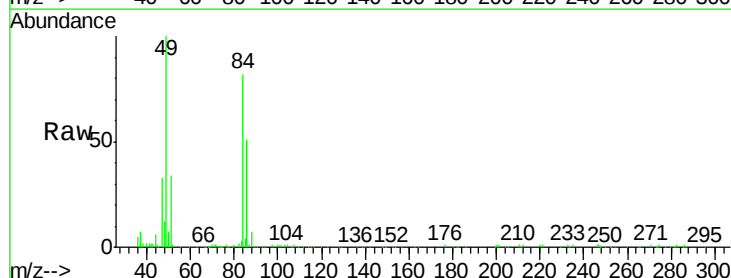
Instrument :
MSVOA_R
ClientSampled :
VSTD00592

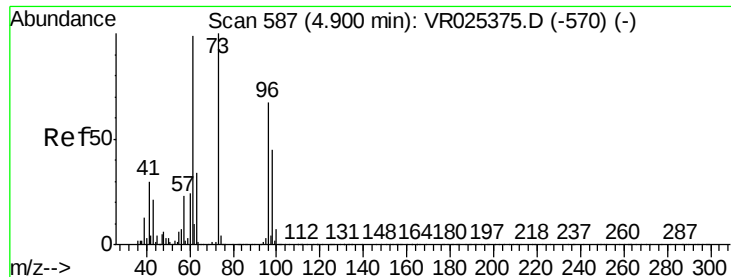
Tgt Ion: 43 Resp: 28355
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1



#16
Methylene chloride
Concen: 2.919 ug/L
RT: 4.41 min Scan# 506
Delta R.T. 0.01 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion: 84 Resp: 46858
Ion Ratio Lower Upper
84 100
86 62.4 43.7 81.1
49 122.5 87.2 162.0

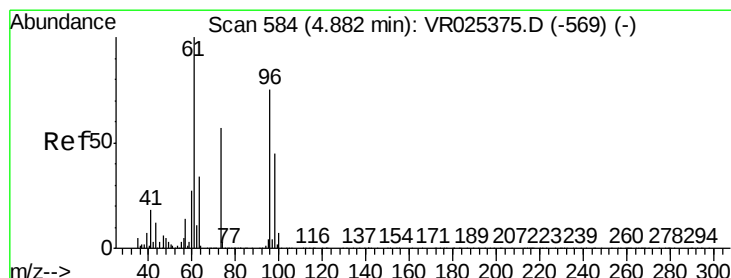
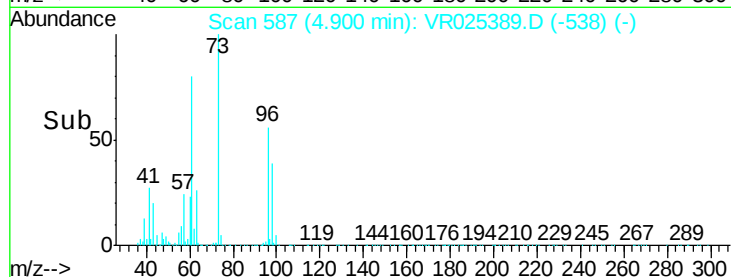
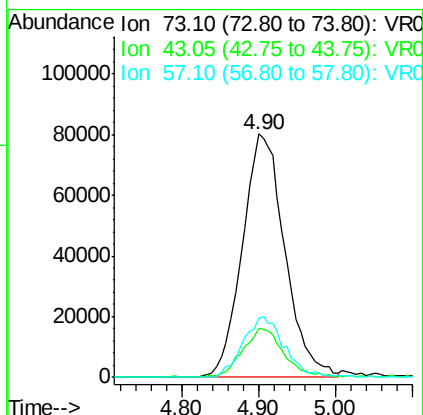
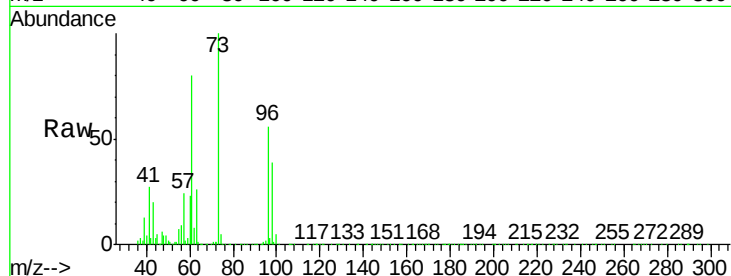




#17
Methyl tert-butyl Ether
Concen: 5.875 ug/L
RT: 4.90 min Scan# 587
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

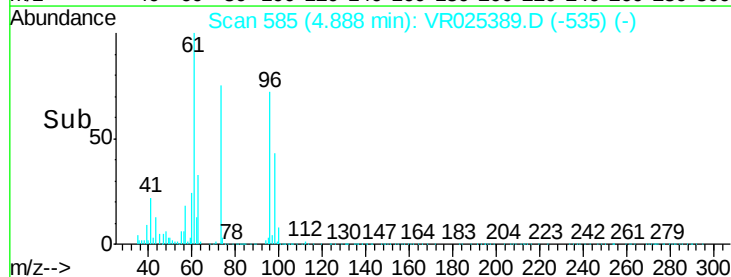
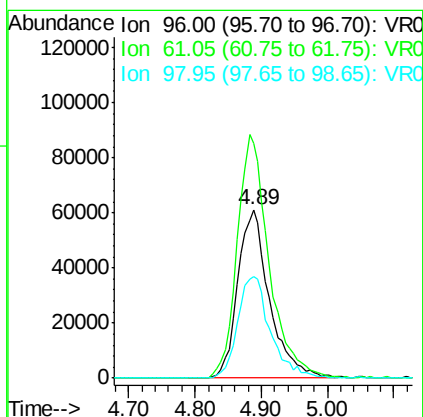
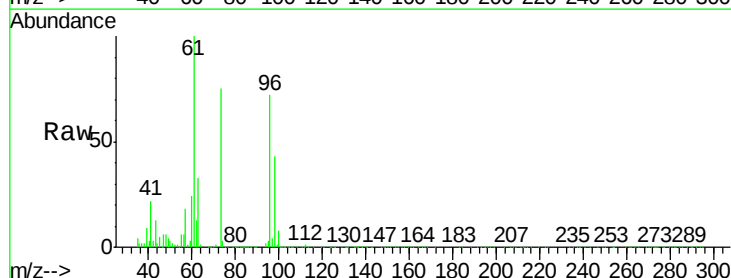
Instrument :
MSVOA_R
ClientSampled :
VSTD00592

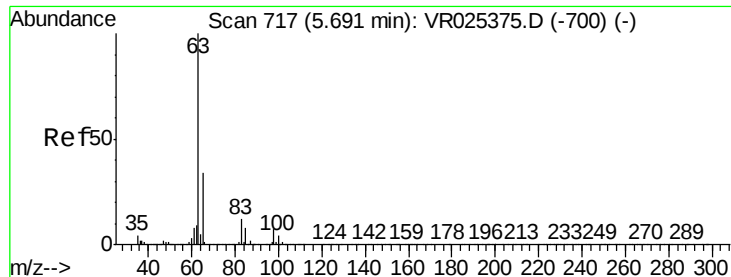
Tgt Ion: 73 Resp: 309054
Ion Ratio Lower Upper
73 100
43 19.3 15.8 23.6
57 24.2 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 5.604 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.01 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion: 96 Resp: 203293
Ion Ratio Lower Upper
96 100
61 139.2 104.4 193.8
98 60.2 43.1 80.1

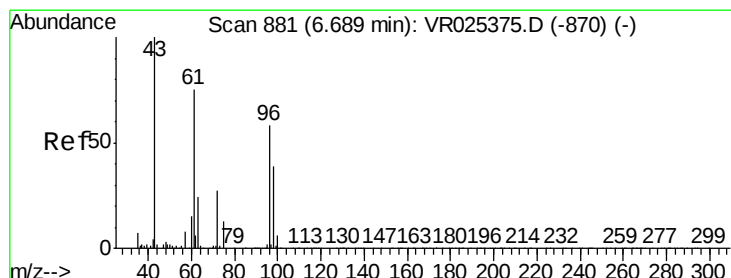
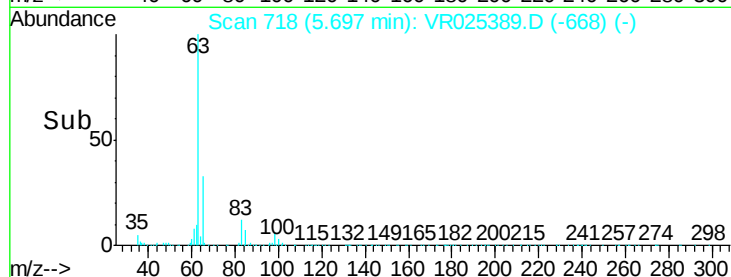
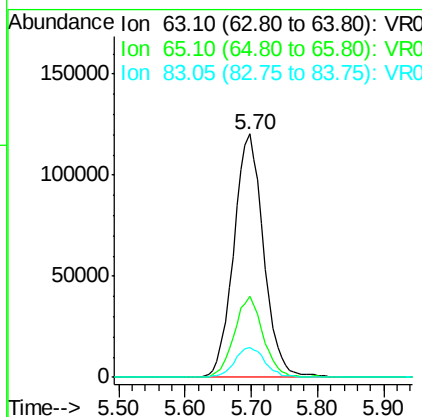
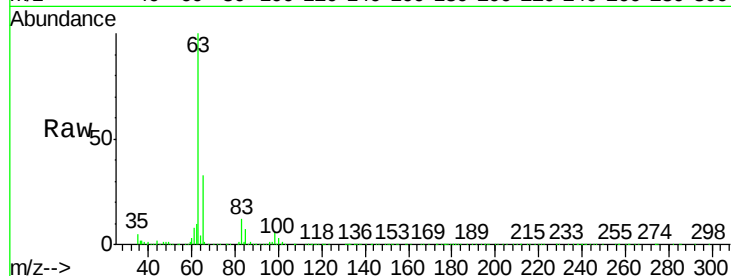




#19
 1,1-Dichloroethane
 Concen: 5.527 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

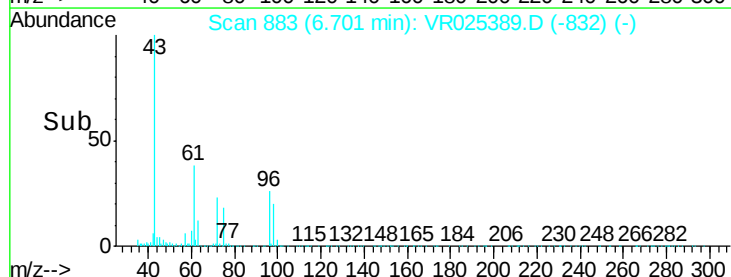
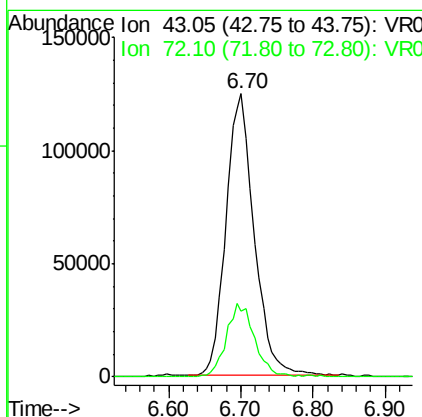
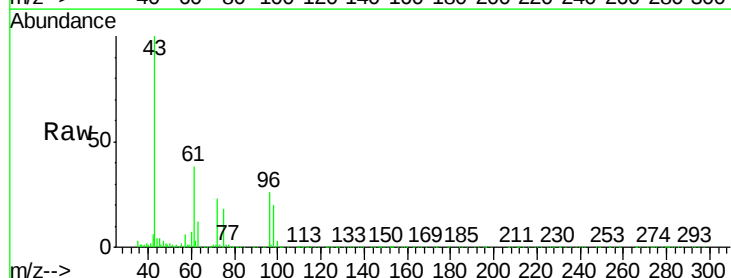
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

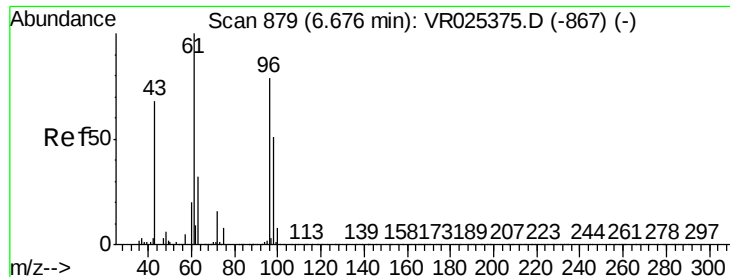
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.3	22.5	41.7
83	12.0	9.5	17.7



#21
 2-Butanone
 Concen: 69.336 ug/L
 RT: 6.70 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	13.0	38.9



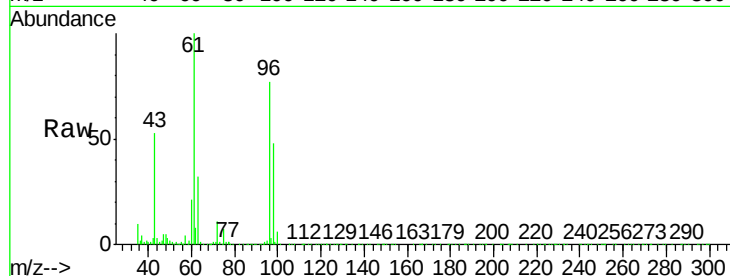


#22

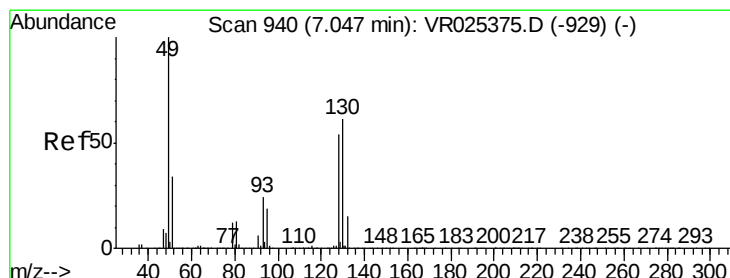
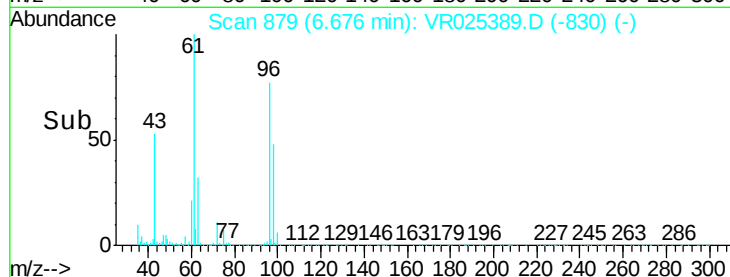
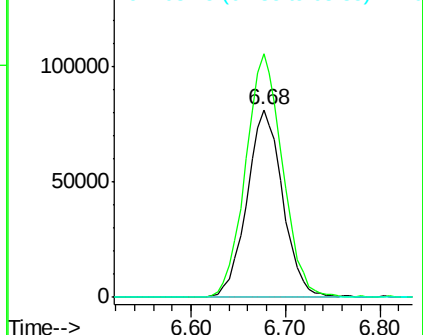
cis-1,2-Dichloroethene
Concen: 5.690 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Instrument :
MSVOA_R
ClientSampled :
VSTD00592

Tgt Ion: 96 Resp: 215409
Ion Ratio Lower Upper
96 100
61 129.7 91.0 169.0
68 0.5 0.0 0.0#



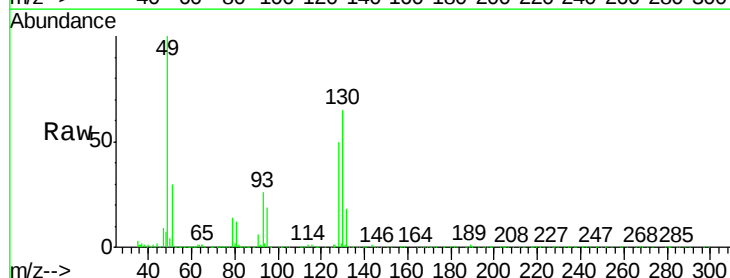
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



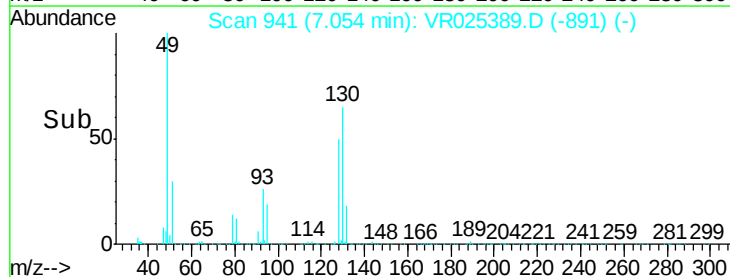
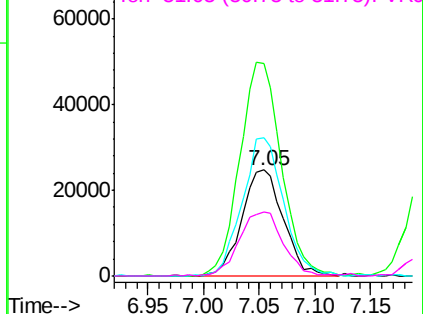
#23

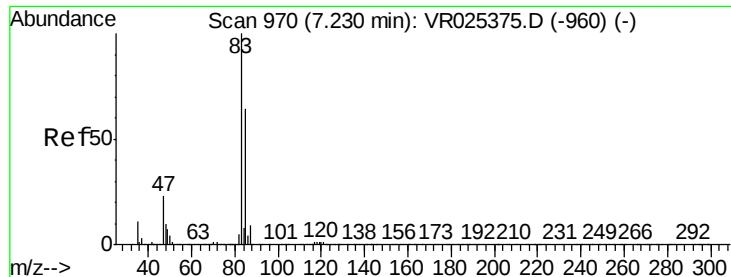
Bromochloromethane
Concen: 5.766 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.01 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion: 128 Resp: 63925
Ion Ratio Lower Upper
128 100
49 200.2 128.7 238.9
130 130.2 87.2 161.9
51 60.3 48.2 72.2



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





#25

Chloroform

Concen: 6.005 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.01 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

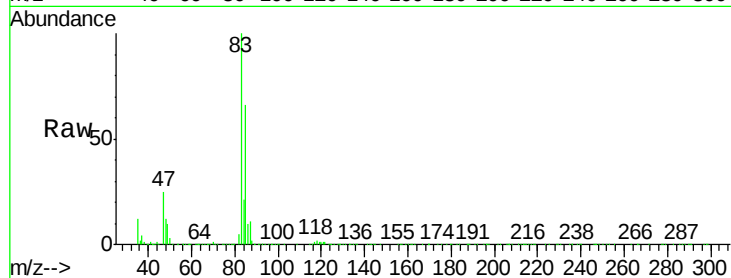
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Tgt Ion: 83 Resp: 374129

Ion Ratio Lower Upper

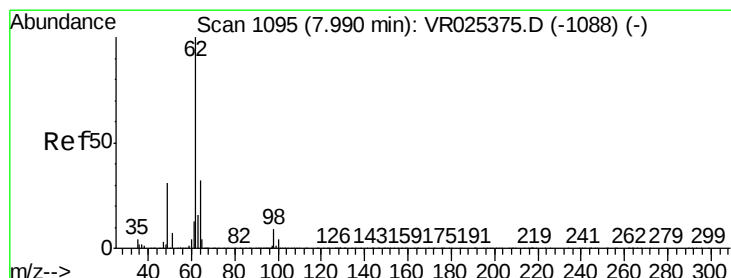
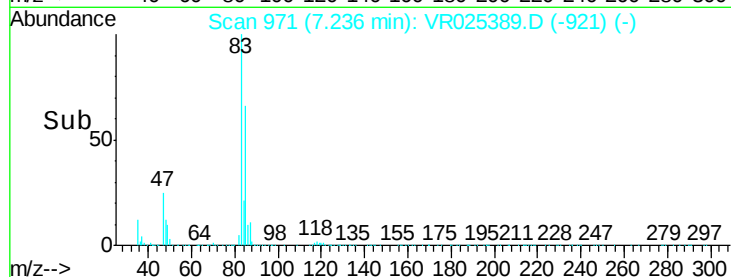
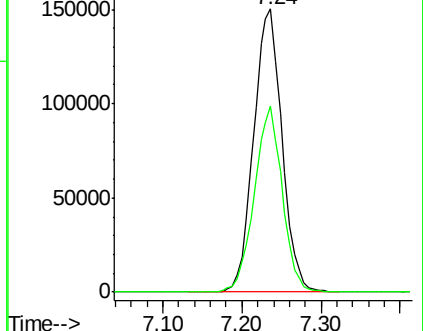
83 100

85 65.7 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 6.024 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VR025389.D

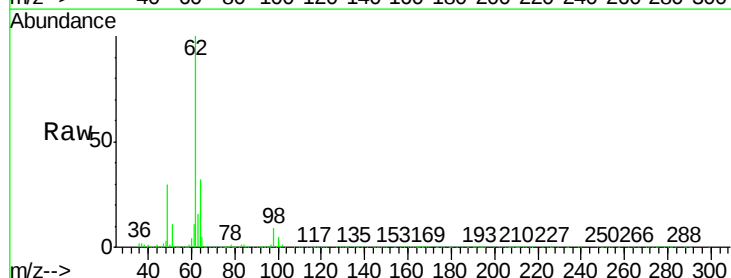
Acq: 20 Jun 2018 19:46

Tgt Ion: 62 Resp: 171311

Ion Ratio Lower Upper

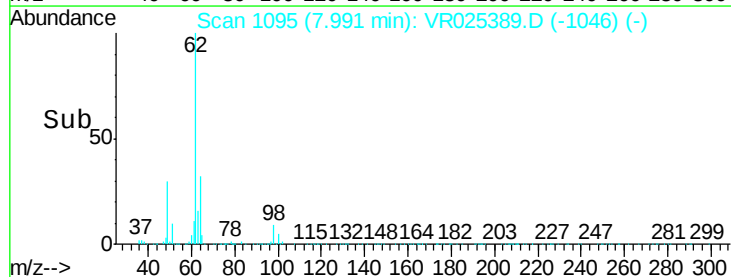
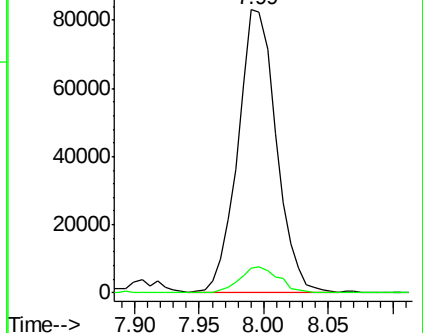
62 100

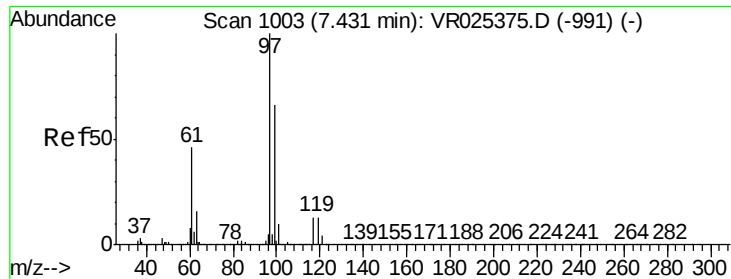
98 8.7 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

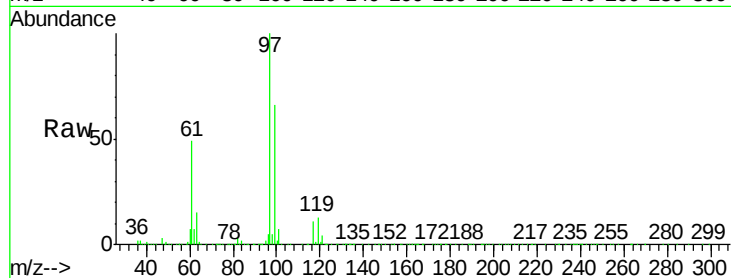




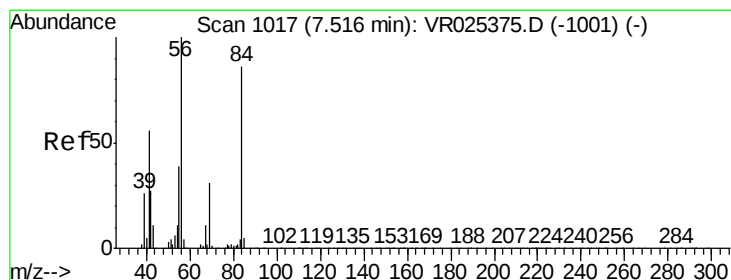
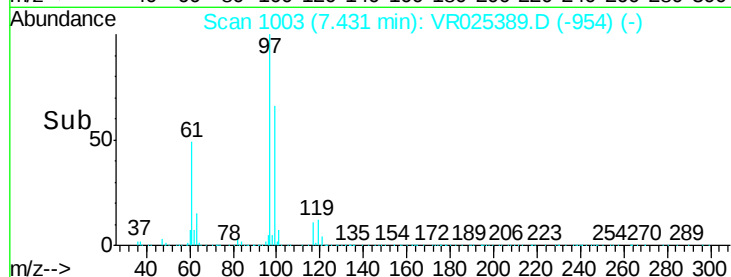
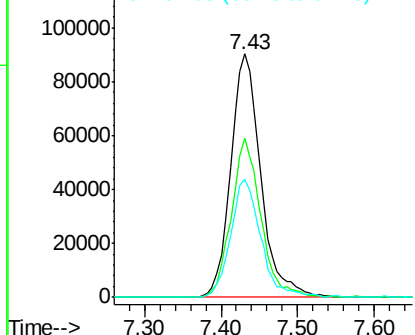
#29
1,1,1-Trichloroethane
Concen: 4.689 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.1	78.1
61	48.8	37.0	55.6

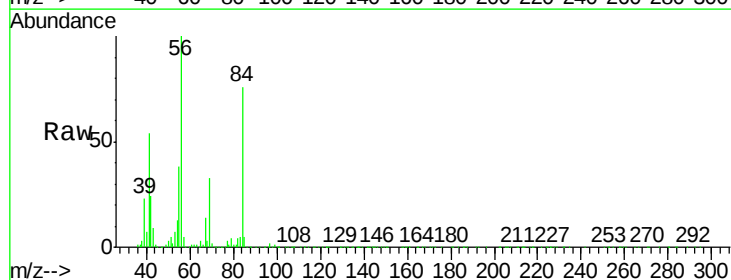


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

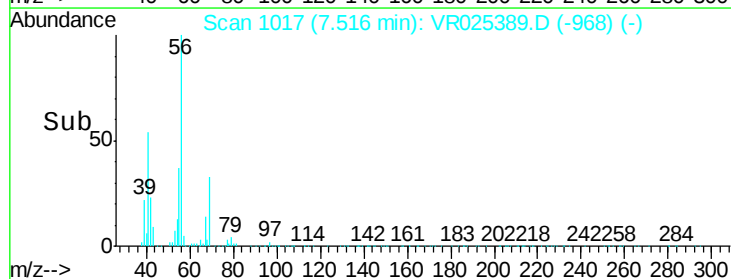
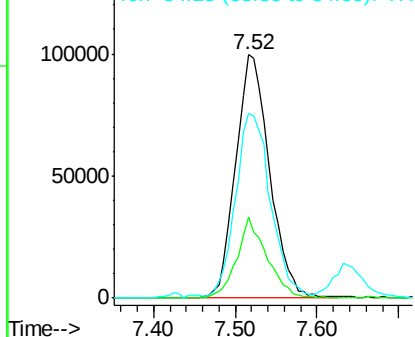


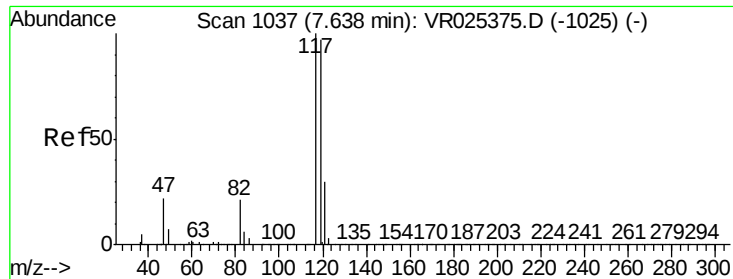
#30
Cyclohexane
Concen: 4.297 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.7	35.5
84	76.7	62.6	93.8



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

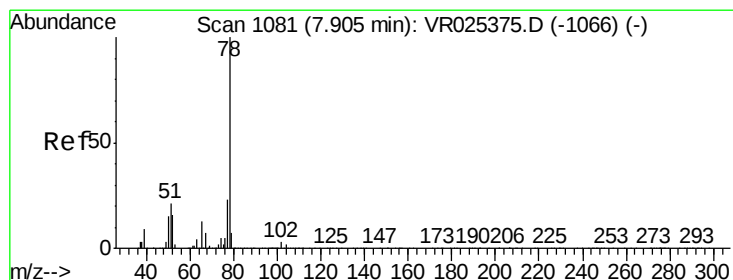
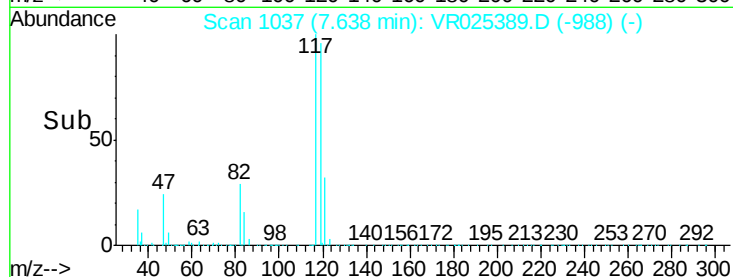
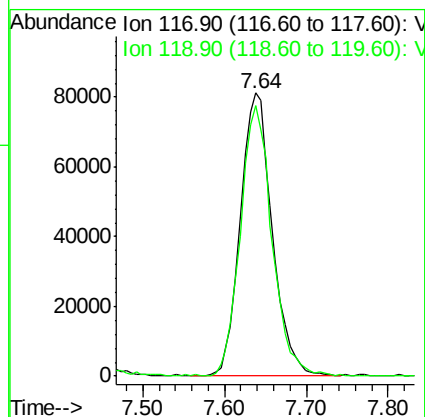
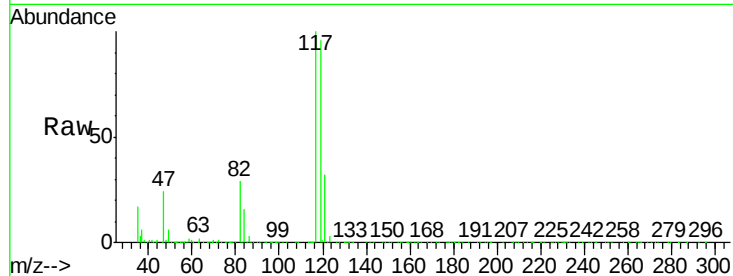




#31
Carbon tetrachloride
Concen: 4.779 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

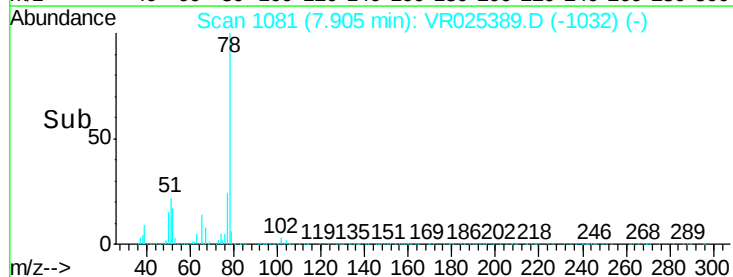
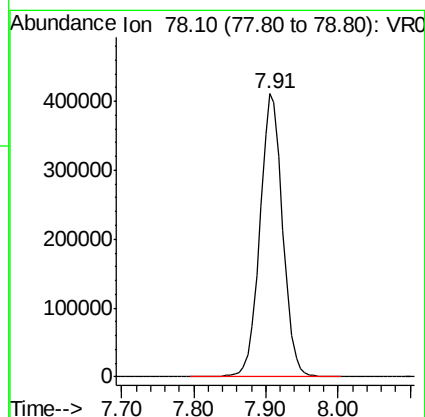
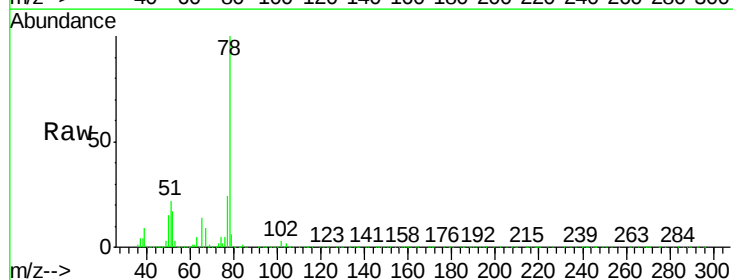
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

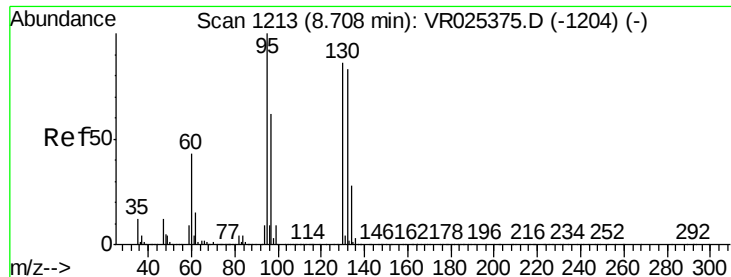
Tgt Ion:117 Resp: 219125
Ion Ratio Lower Upper
117 100
119 94.8 75.5 113.3



#33
Benzene
Concen: 5.203 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion: 78 Resp: 898214





#34

Trichloroethene

Concen: 4.804 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

Tgt Ion: 95 Resp: 200623

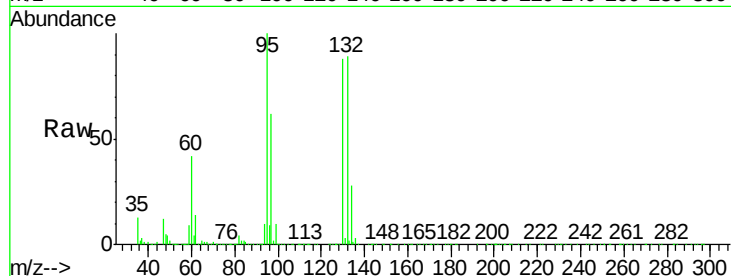
Ion Ratio Lower Upper

95 100

97 61.9 45.6 84.6

132 88.6 60.9 113.1

130 88.1 62.0 115.2

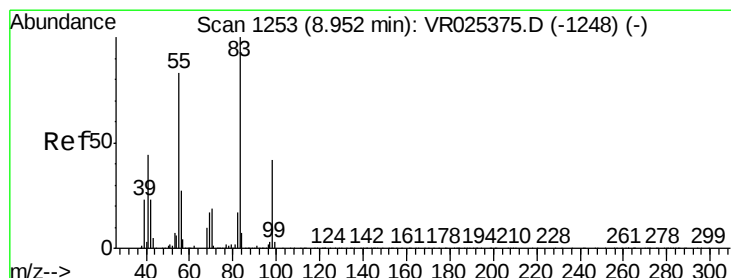
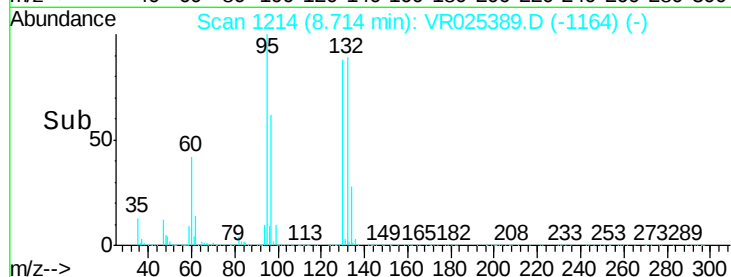
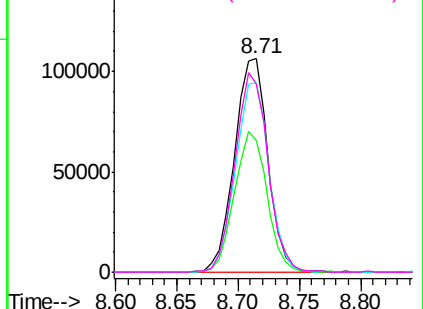


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.566 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

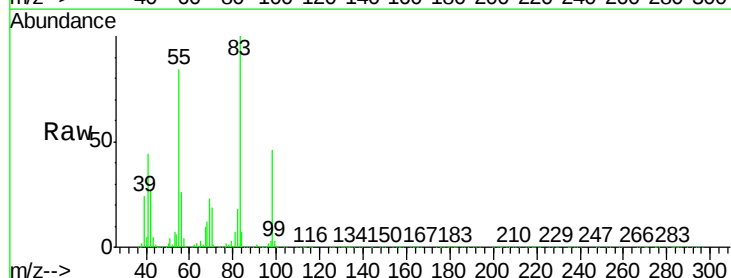
Tgt Ion: 83 Resp: 300910

Ion Ratio Lower Upper

83 100

55 84.2 66.1 99.1

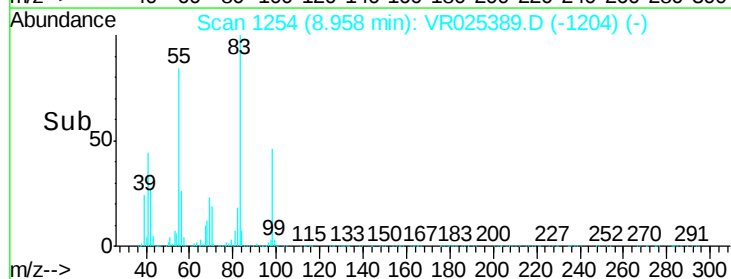
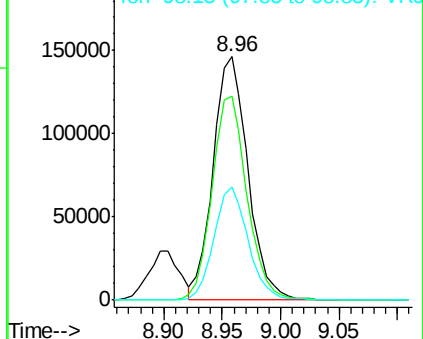
98 45.7 36.2 54.4

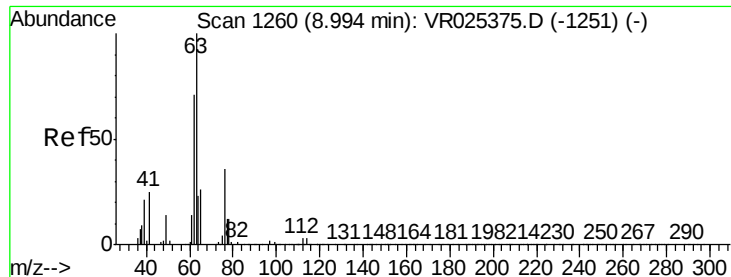


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

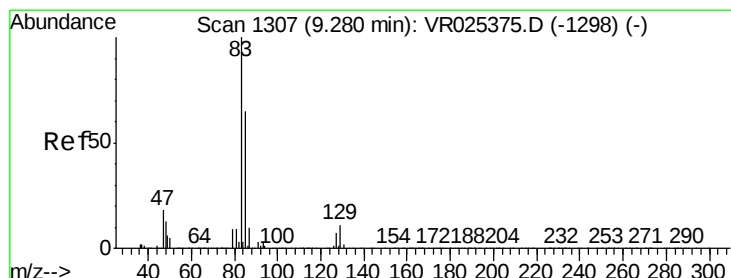
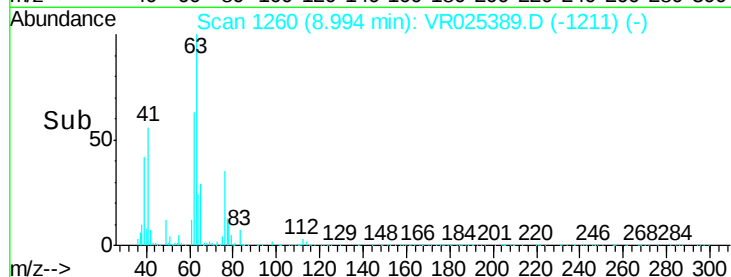
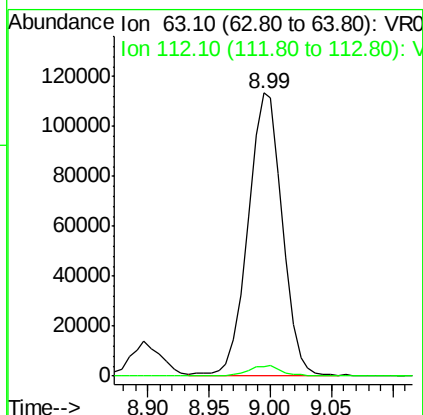
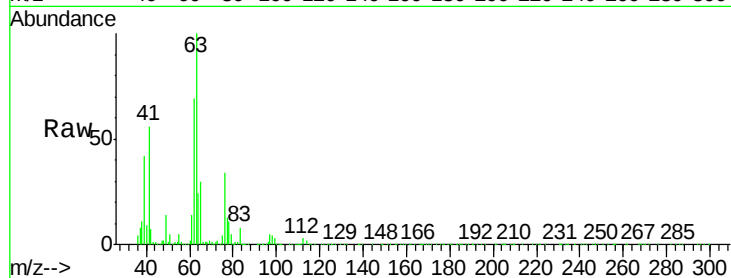




#37
 1,2-Dichloropropane
 Concen: 5.741 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

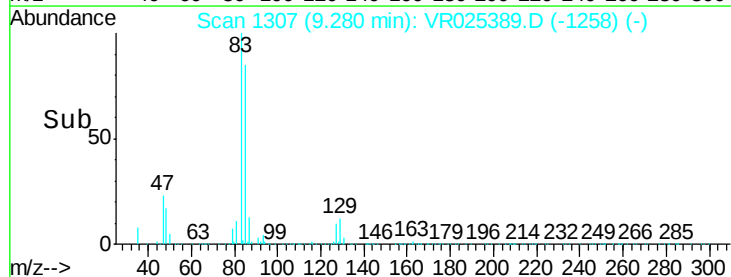
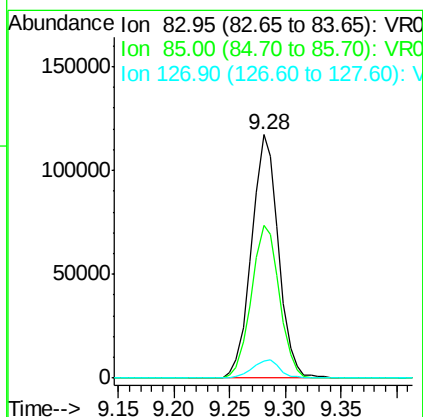
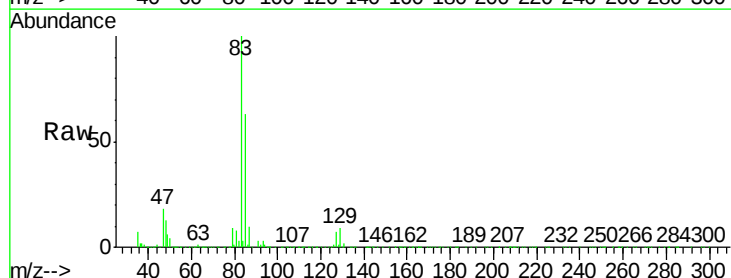
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

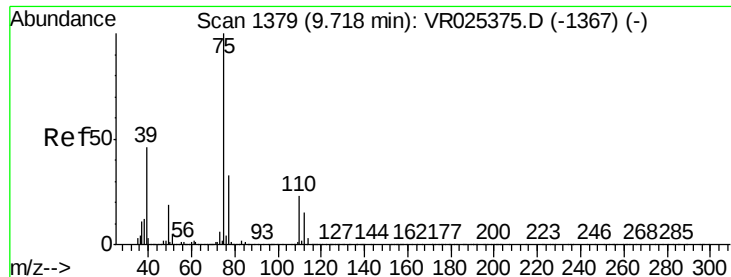
Tgt Ion: 63 Resp: 220287
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.311 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

Tgt Ion: 83 Resp: 197641
 Ion Ratio Lower Upper
 83 100
 85 62.9 46.1 85.7
 127 7.2 5.7 8.5

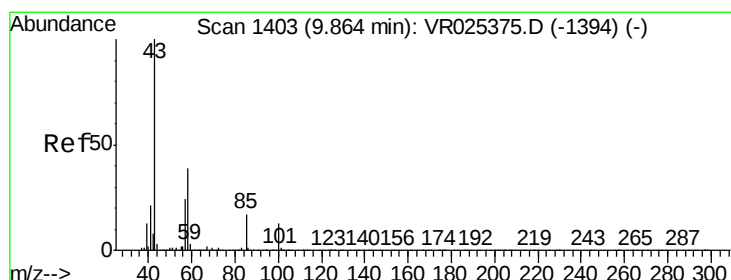
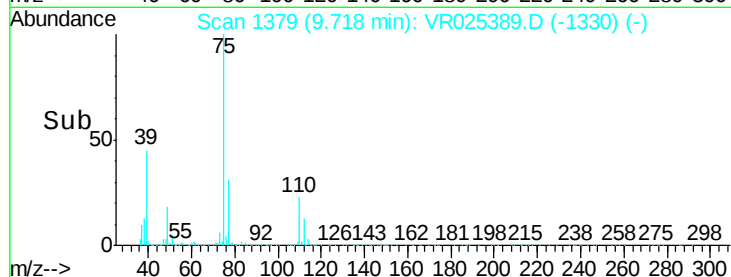
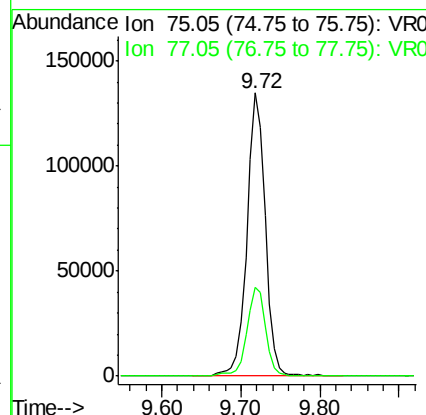
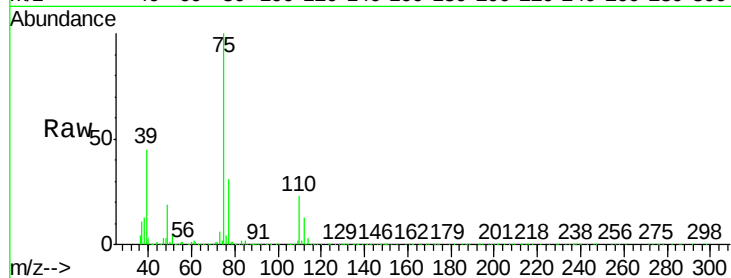




#39
 cis-1,3-Dichloropropene
 Concen: 4.795 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

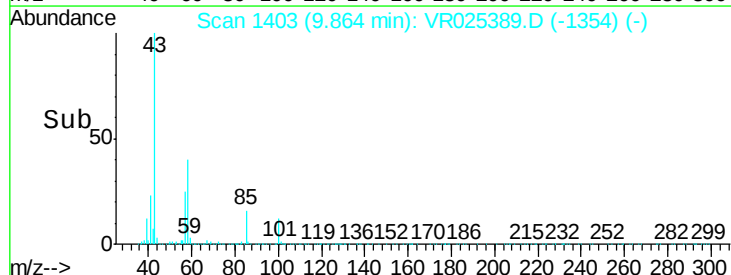
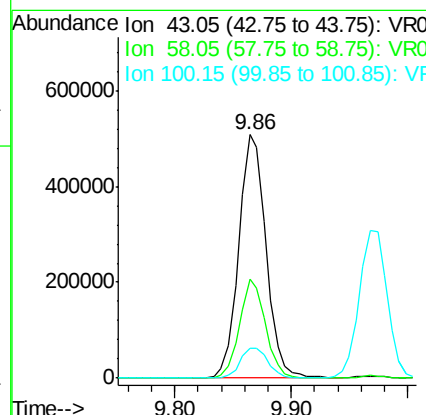
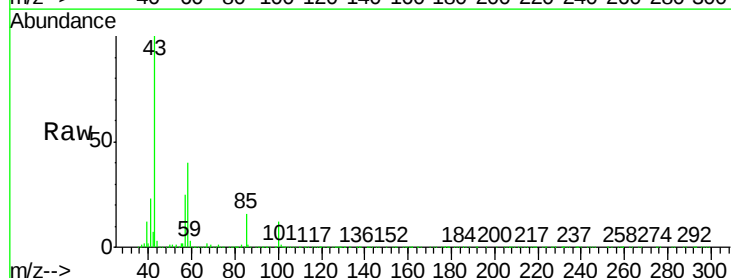
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

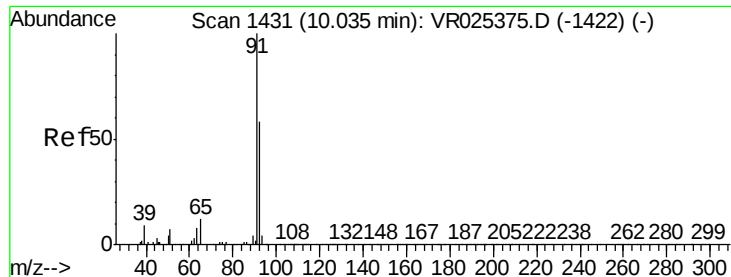
Tgt Ion: 75 Resp: 216682
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 66.821 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

Tgt Ion: 43 Resp: 829748
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.3 45.5
 100 12.5 10.3 15.5





#42

Toluene

Concen: 4.869 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

Instrument :

MSVOA_R

ClientSampleId :

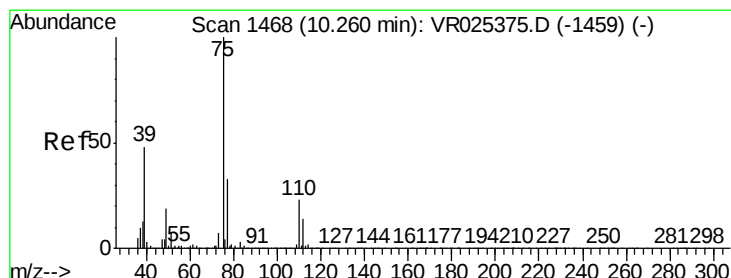
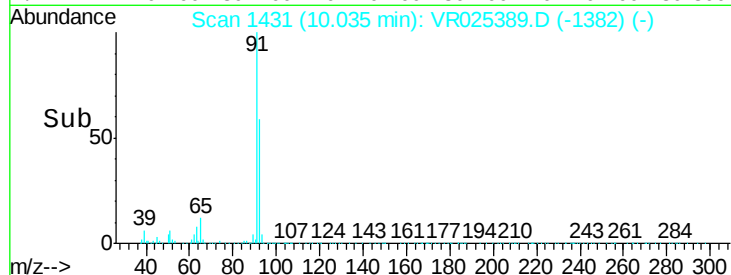
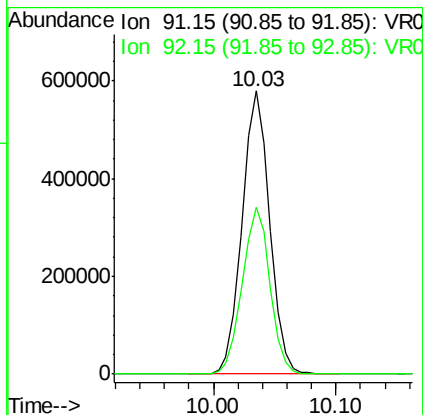
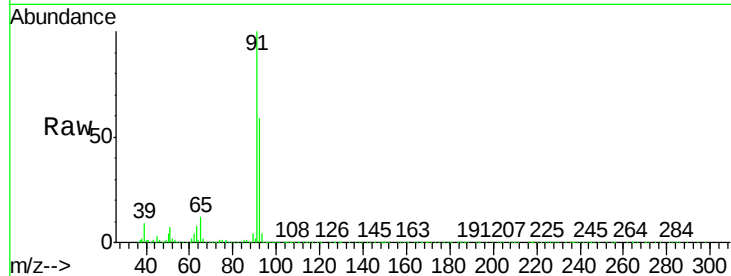
VSTD00592

Tgt Ion: 91 Resp: 900583

Ion Ratio Lower Upper

91 100

92 59.0 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.940 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.01 min

Lab File: VR025389.D

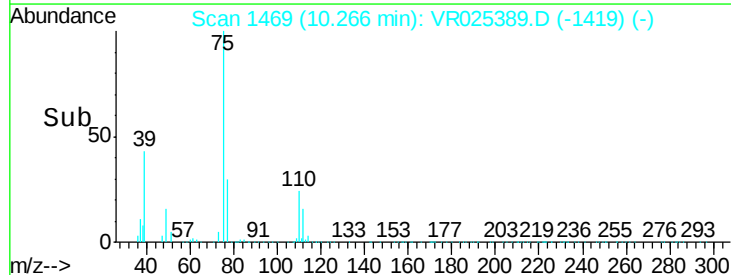
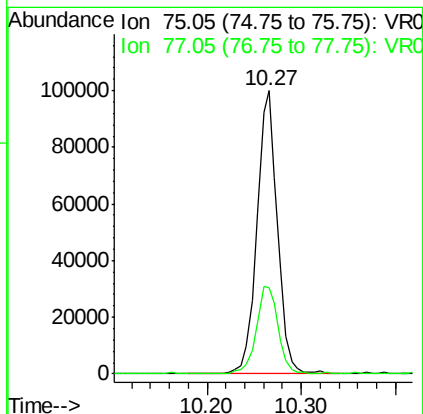
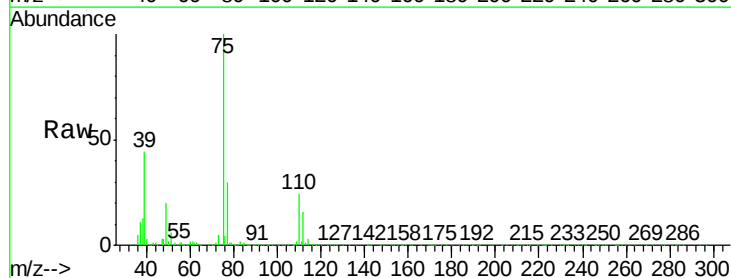
Acq: 20 Jun 2018 19:46

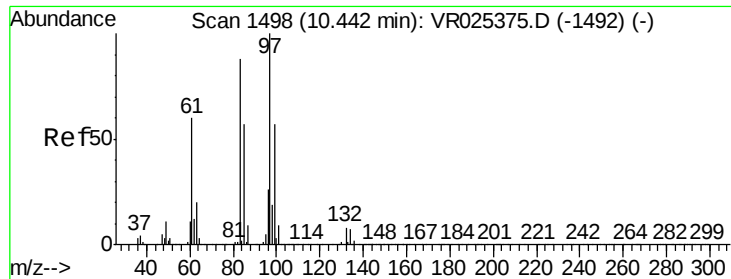
Tgt Ion: 75 Resp: 153558

Ion Ratio Lower Upper

75 100

77 30.4 20.6 38.4

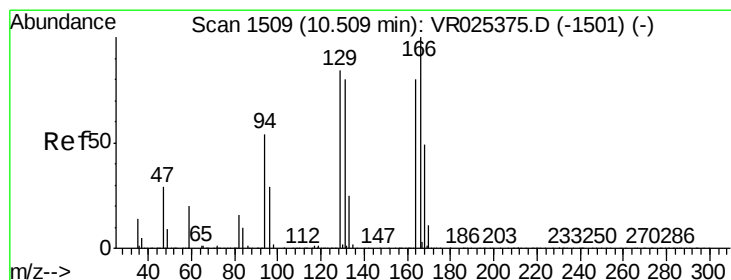
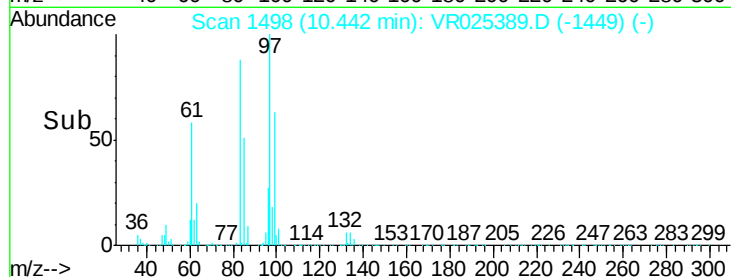
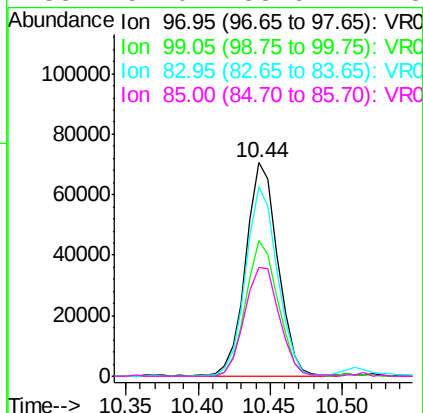
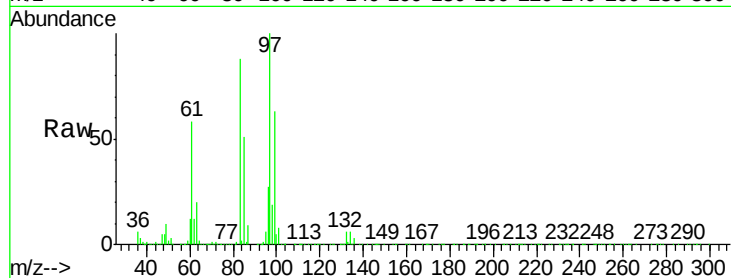




#45
1,1,2-Trichloroethane
Concen: 6.074 ug/L
RT: 10.44 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

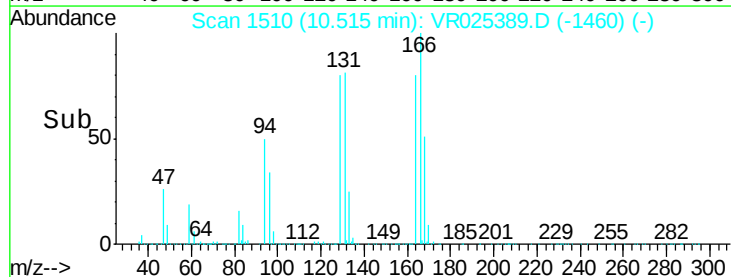
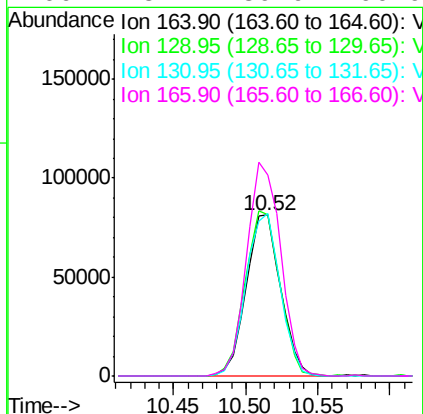
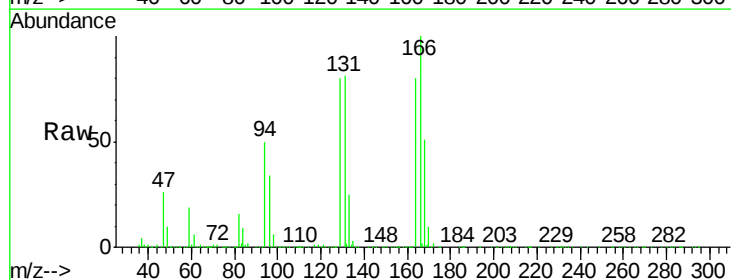
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

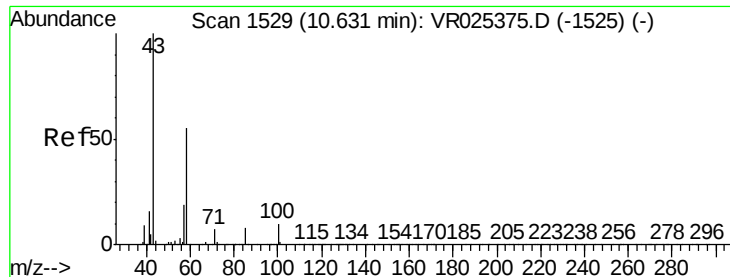
Tgt Ion:	97	Resp:	108194
Ion	Ratio	Lower	Upper
97	100		
99	63.4	41.9	77.9
83	88.5	64.5	119.9
85	51.0	38.6	71.8



#47
Tetrachloroethene
Concen: 4.798 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion:	164	Resp:	133752
Ion	Ratio	Lower	Upper
164	100		
129	100.5	68.1	126.5
131	100.8	68.5	127.1
166	125.1	89.9	166.9

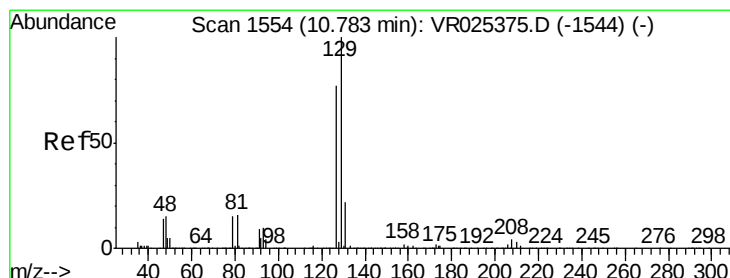
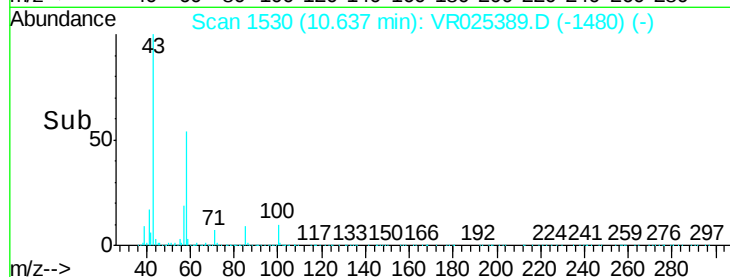
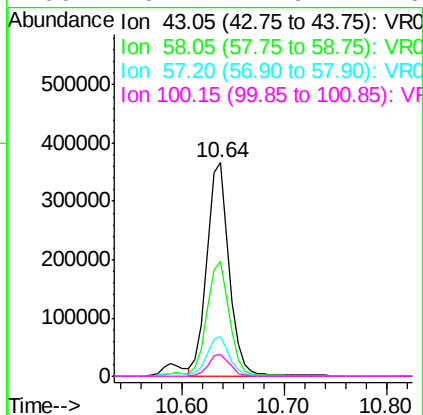
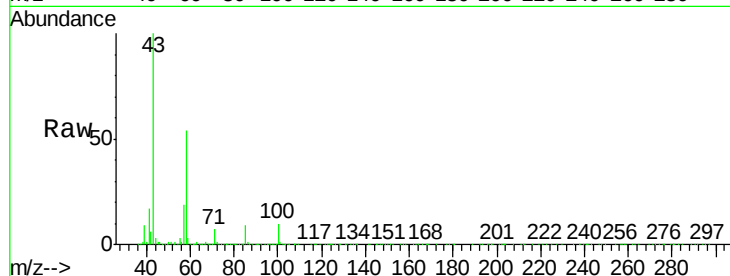




#48
2-Hexanone
Concen: 70.852 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

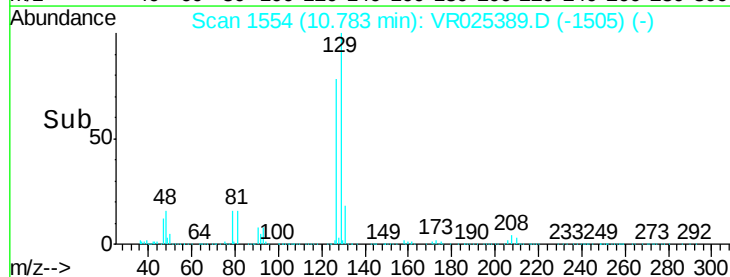
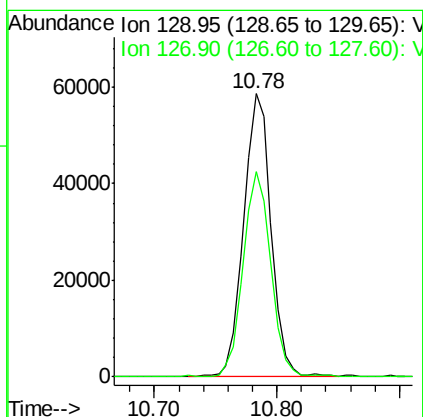
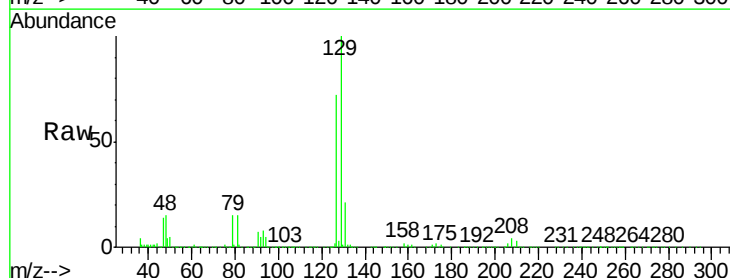
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

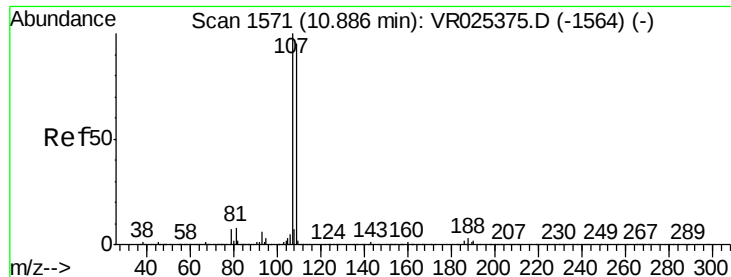
Tgt Ion: 43 Resp: 560836
Ion Ratio Lower Upper
43 100
58 55.9 43.1 64.7
57 18.5 15.3 22.9
100 10.1 7.9 11.9



#49
Dibromochloromethane
Concen: 5.311 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion: 129 Resp: 91081
Ion Ratio Lower Upper
129 100
127 72.4 55.9 103.7

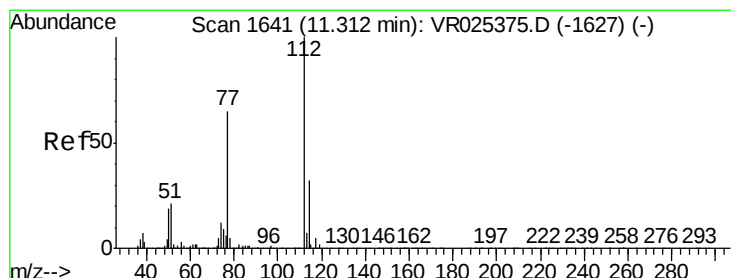
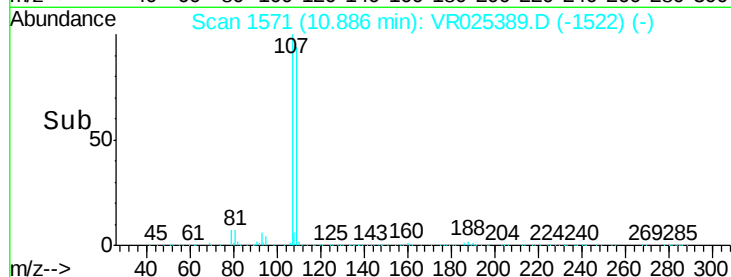
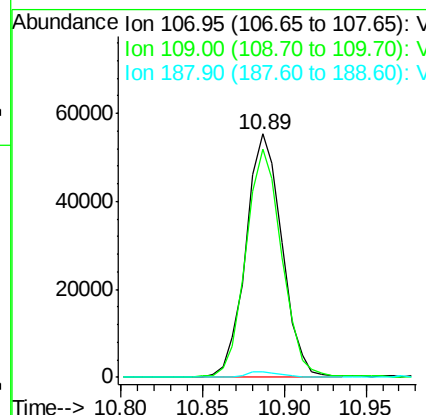
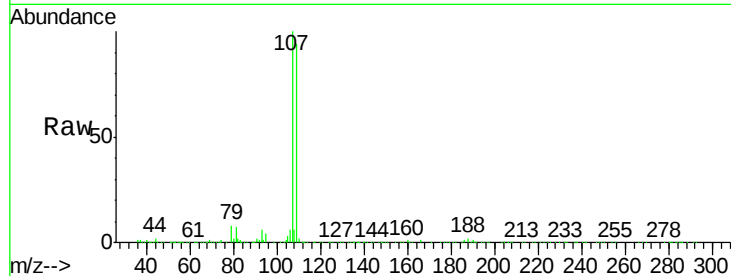




#50
1,2-Dibromoethane
Concen: 5.996 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

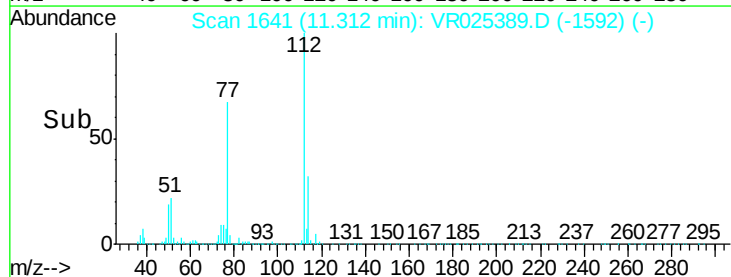
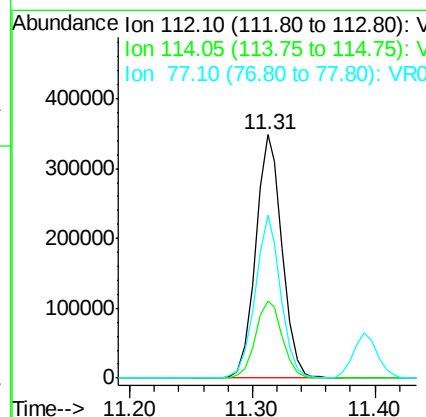
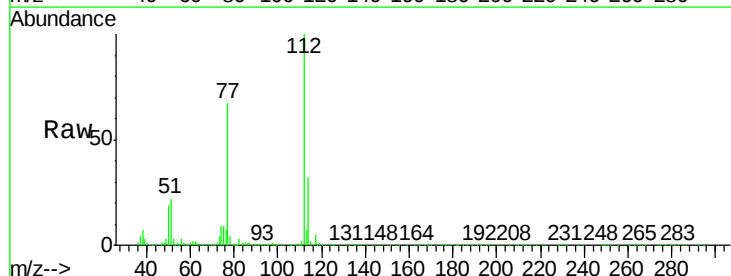
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

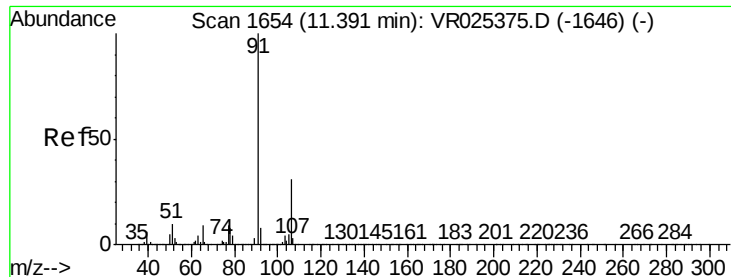
Tgt Ion:107 Resp: 85633
Ion Ratio Lower Upper
107 100
109 93.9 63.1 117.3
188 2.4 1.8 2.8



#51
Chlorobenzene
Concen: 5.254 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion:112 Resp: 520514
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.0
77 66.8 51.9 77.9





#52

Ethylbenzene

Concen: 5.461 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

Instrument :

MSVOA_R

ClientSampleId :

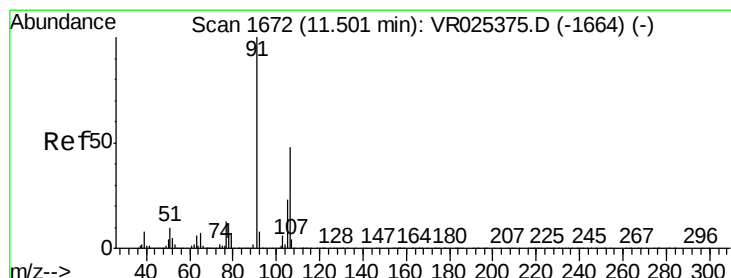
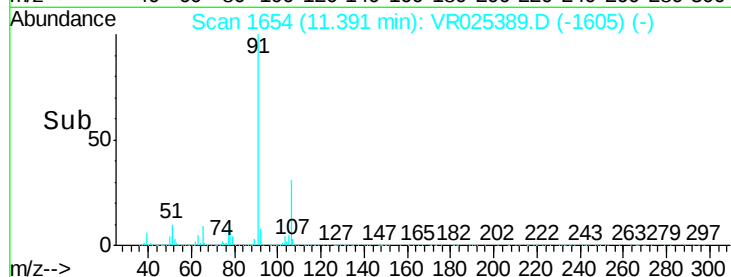
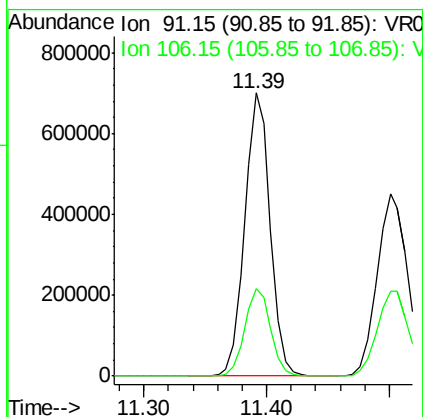
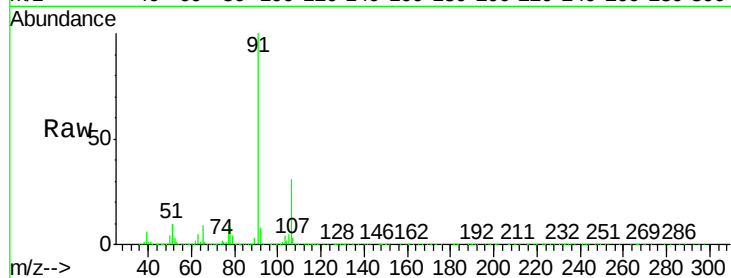
VSTD00592

Tgt Ion: 91 Resp: 1002172

Ion Ratio Lower Upper

91 100

106 30.8 22.5 41.7



#53

m,p-Xylene

Concen: 5.292 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025389.D

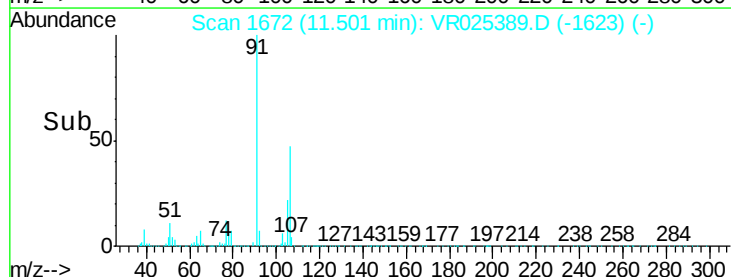
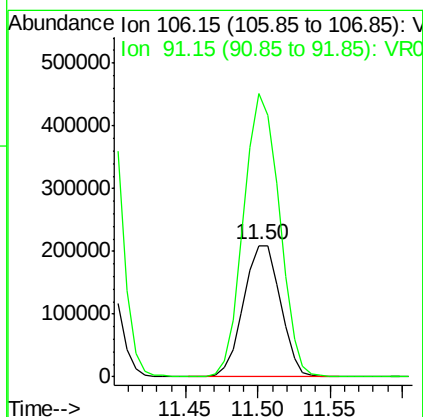
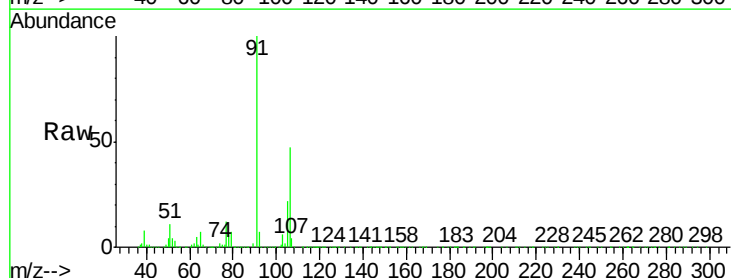
Acq: 20 Jun 2018 19:46

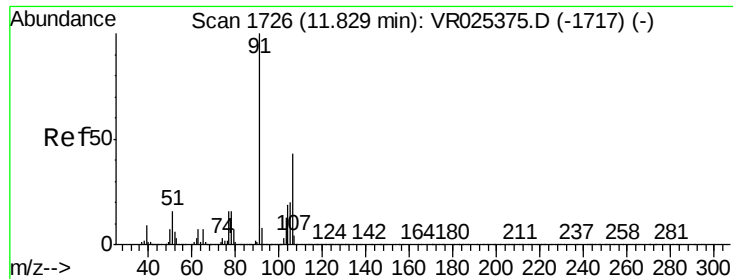
Tgt Ion: 106 Resp: 370759

Ion Ratio Lower Upper

106 100

91 214.9 152.6 283.4

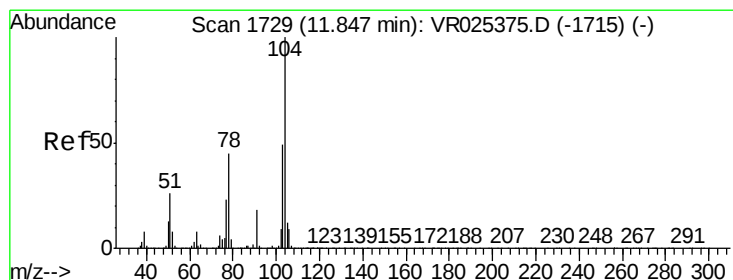
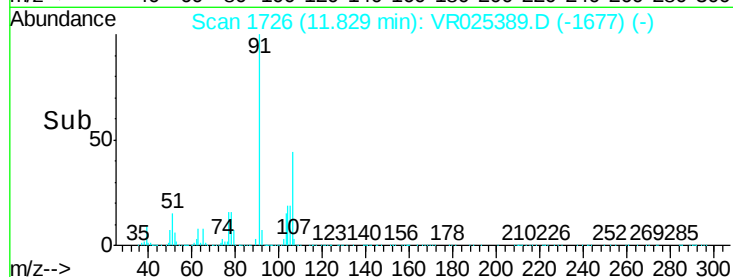
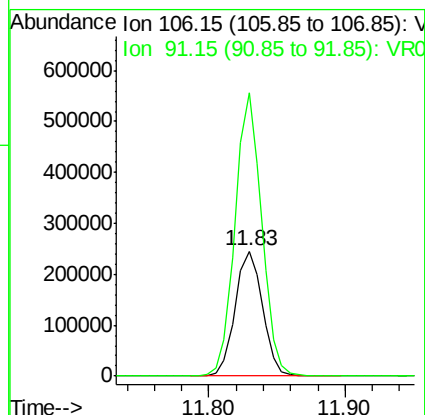
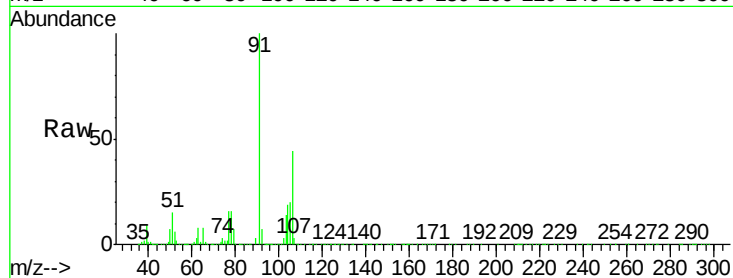




#54
o-Xylene
Concen: 5.507 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

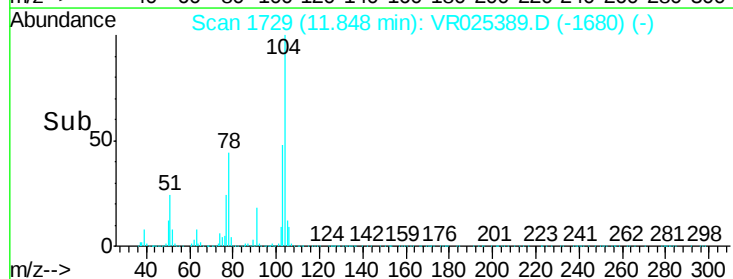
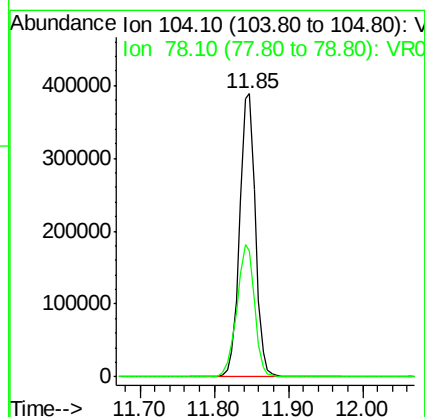
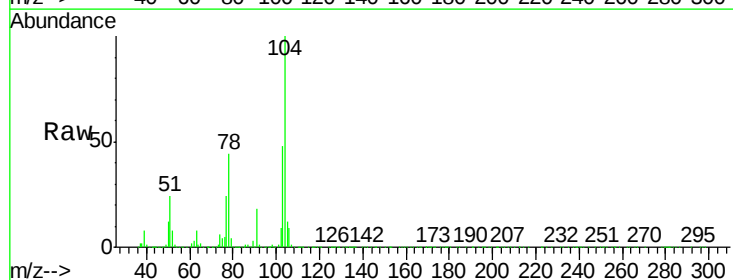
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

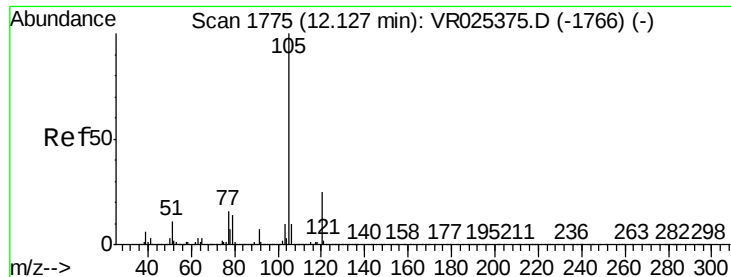
Tgt Ion:106 Resp: 344795
Ion Ratio Lower Upper
106 100
91 227.1 153.7 285.5



#55
Styrene
Concen: 6.015 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025389.D
Acq: 20 Jun 2018 19:46

Tgt Ion:104 Resp: 578850
Ion Ratio Lower Upper
104 100
78 44.3 35.4 65.7





#56

Isopropylbenzene

Concen: 5.452 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

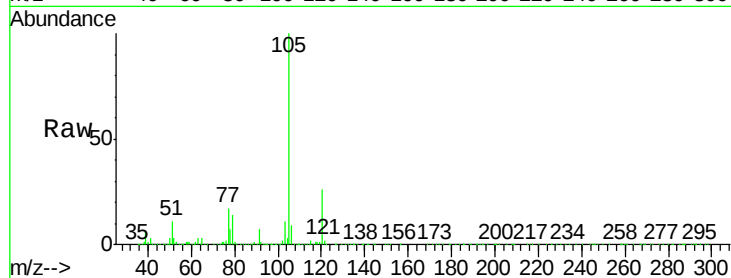
Tgt Ion: 105 Resp: 917881

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.4

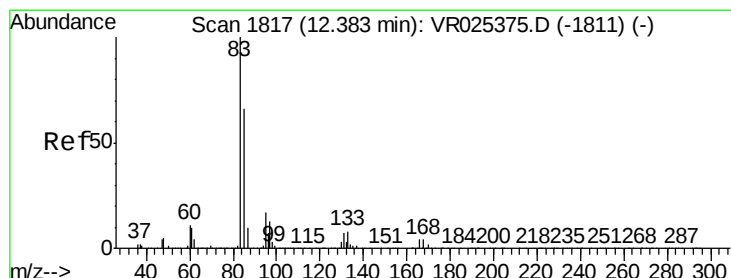
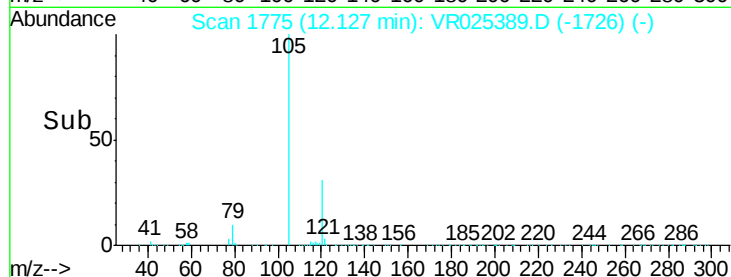
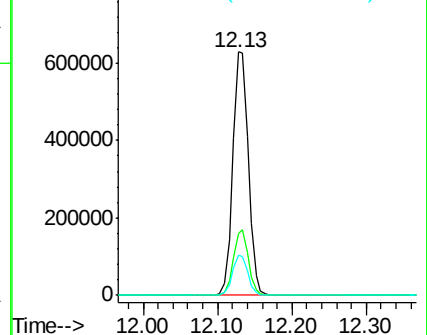
77 16.3 13.0 19.6



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: 7.091 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

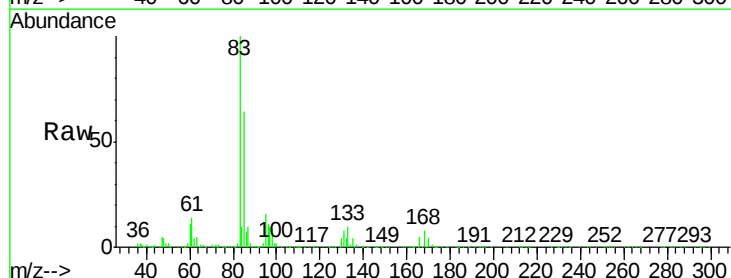
Tgt Ion: 83 Resp: 116977

Ion Ratio Lower Upper

83 100

85 64.3 41.8 77.6

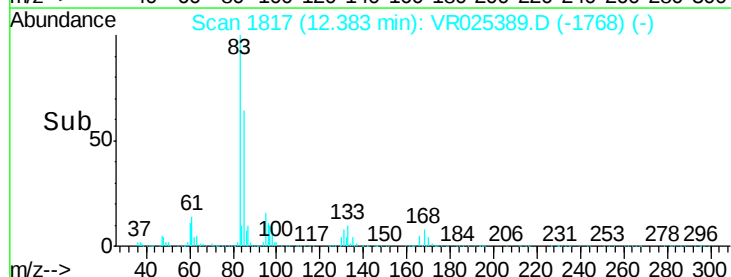
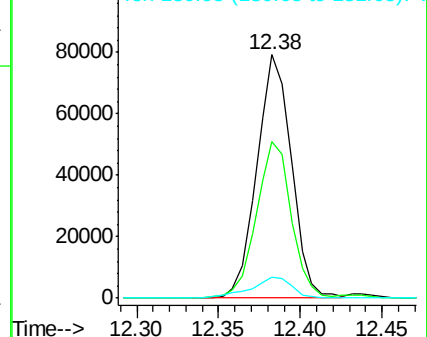
131 8.4 6.1 9.1

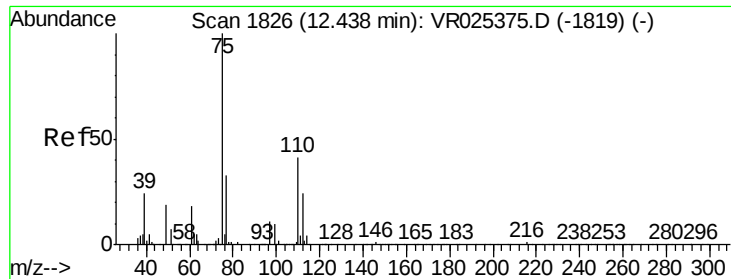


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

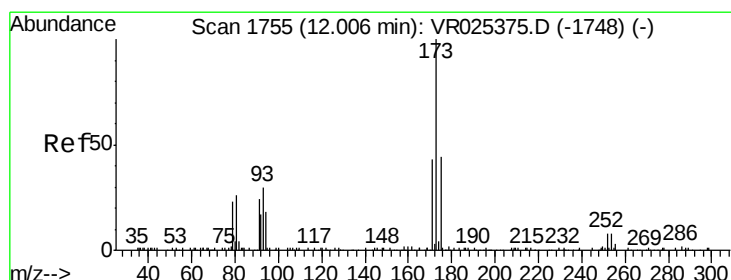
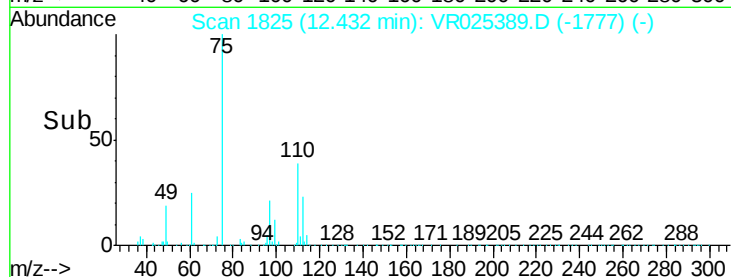
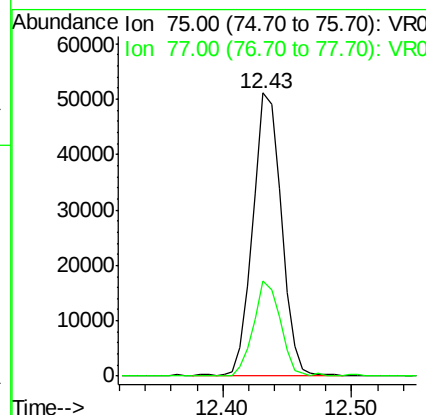
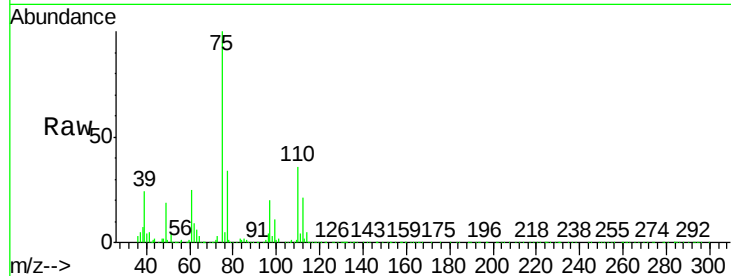




#59
 1,2,3-Trichloropropane
 Concen: 6.545 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

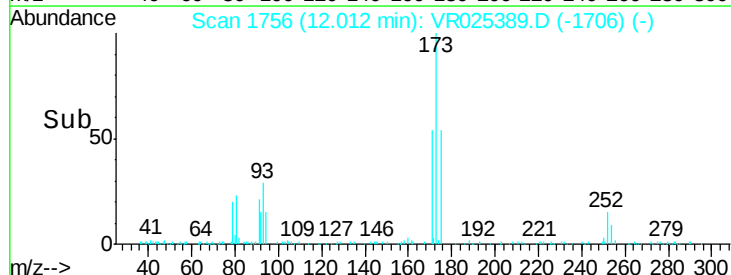
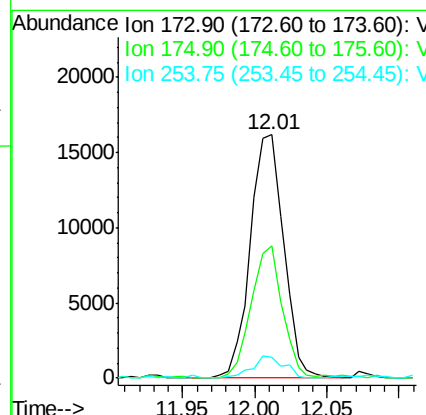
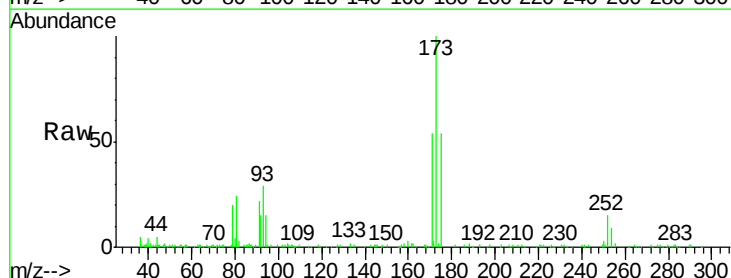
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

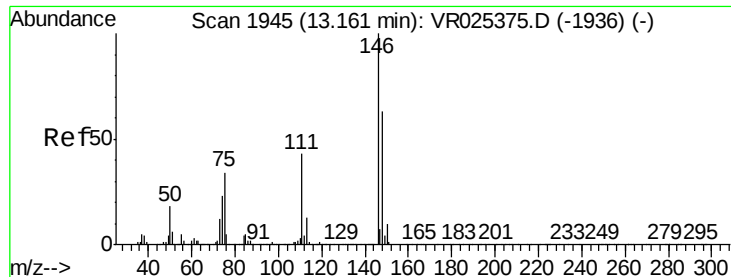
Tgt Ion: 75 Resp: 77929
 Ion Ratio Lower Upper
 75 100
 77 31.3 27.0 40.4



#61
 Bromoform
 Concen: 3.846 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

Tgt Ion: 173 Resp: 25852
 Ion Ratio Lower Upper
 173 100
 175 50.5 37.5 56.3
 254 8.9 8.7 13.1

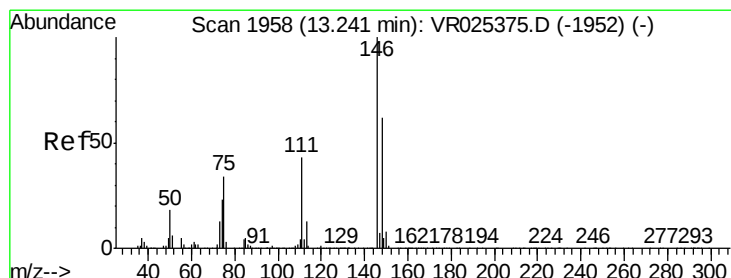
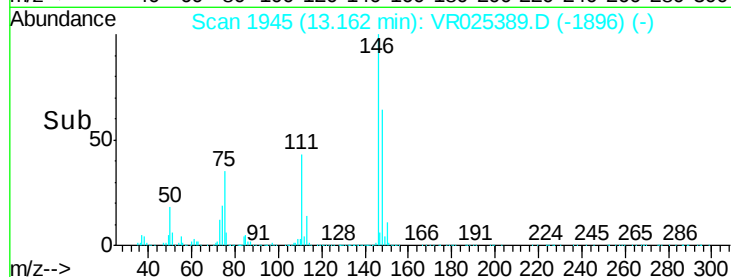
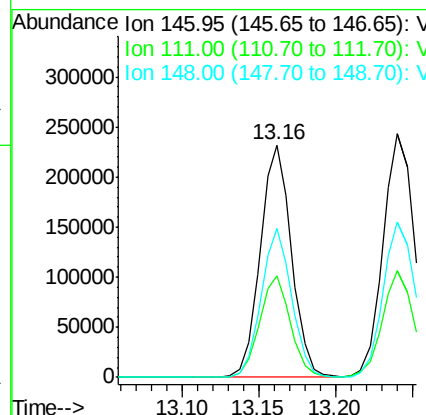
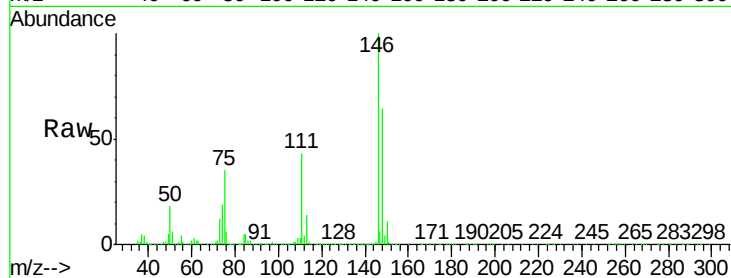




#62
 1,3-Dichlorobenzene
 Concen: 4.964 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

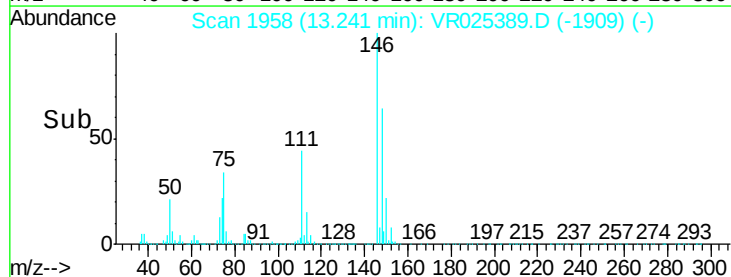
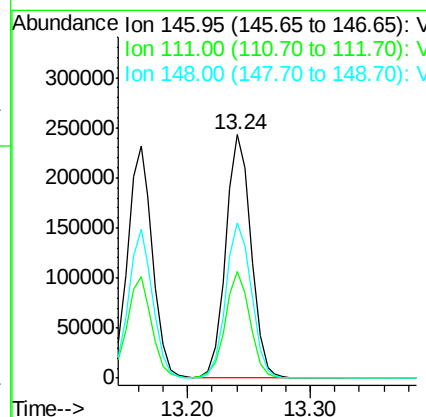
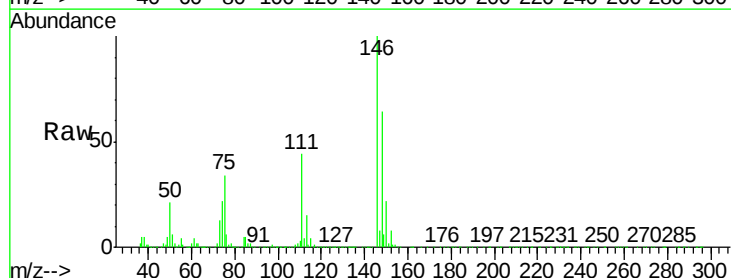
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

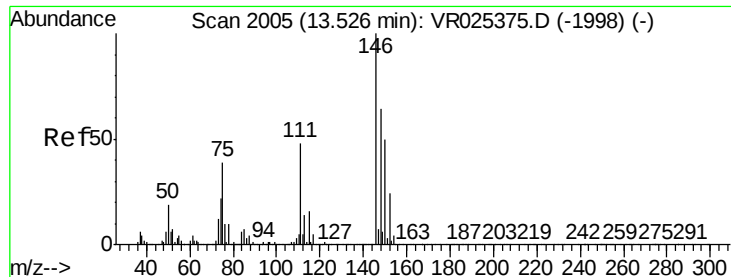
Tgt Ion:146 Resp: 328360
 Ion Ratio Lower Upper
 146 100
 111 43.5 31.0 57.6
 148 64.2 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 5.259 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

Tgt Ion:146 Resp: 347822
 Ion Ratio Lower Upper
 146 100
 111 44.0 30.5 56.7
 148 63.8 42.8 79.4

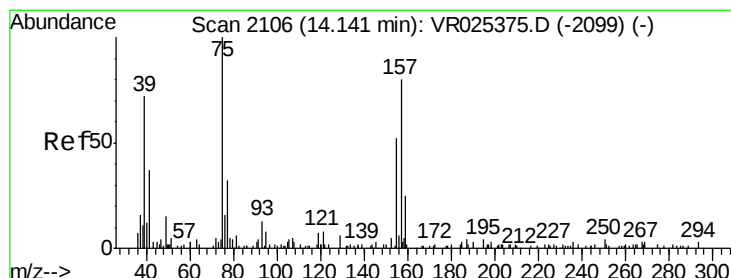
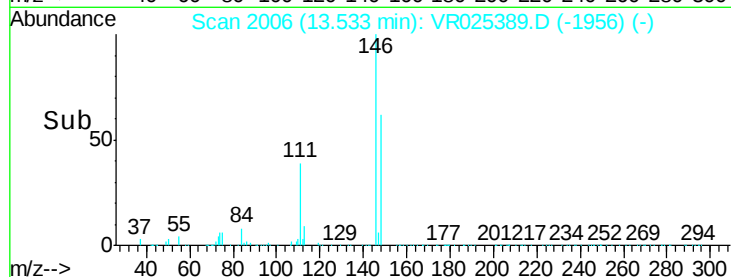
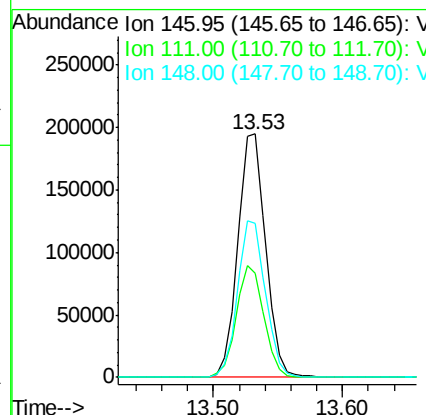
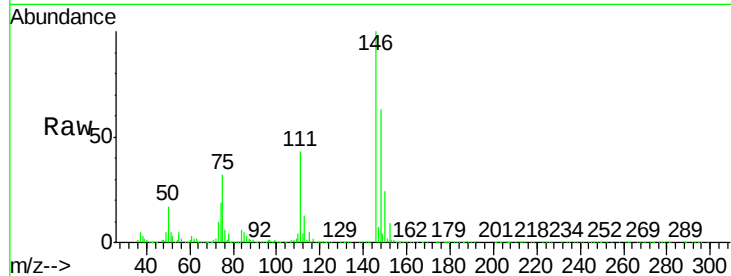




#65
 1,2-Dichlorobenzene
 Concen: 5.509 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

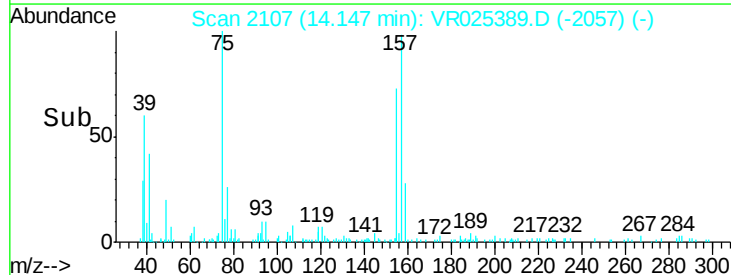
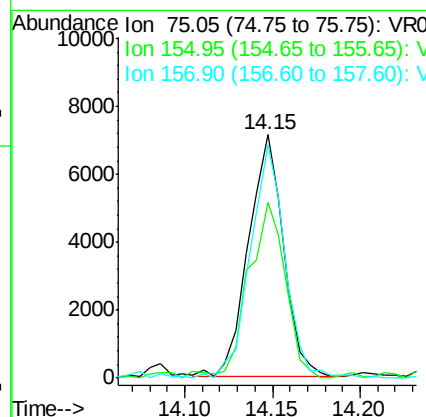
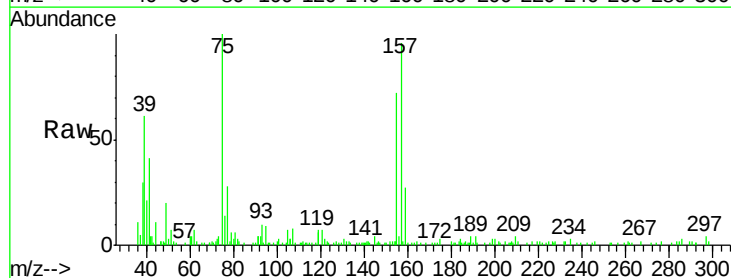
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00592

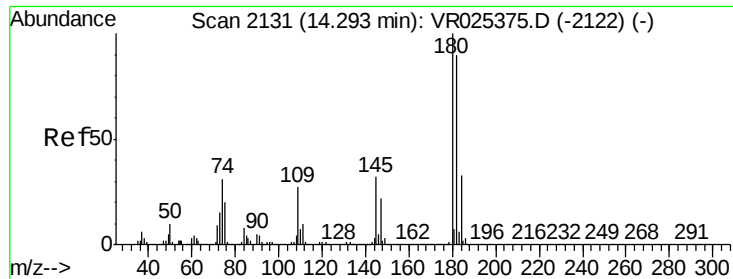
Tgt Ion: 146 Resp: 292002
 Ion Ratio Lower Upper
 146 100
 111 42.6 35.8 53.8
 148 63.1 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.704 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

Tgt Ion: 75 Resp: 9854
 Ion Ratio Lower Upper
 75 100
 155 72.4 74.1 111.1#
 157 95.8 71.0 106.6

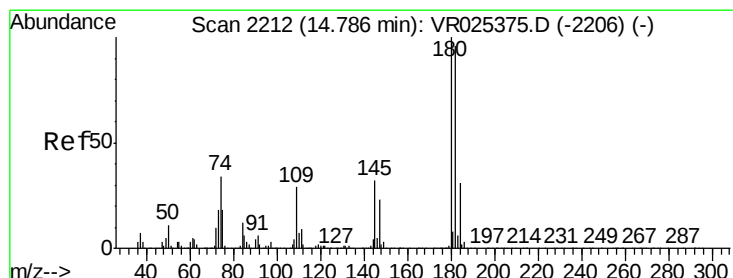
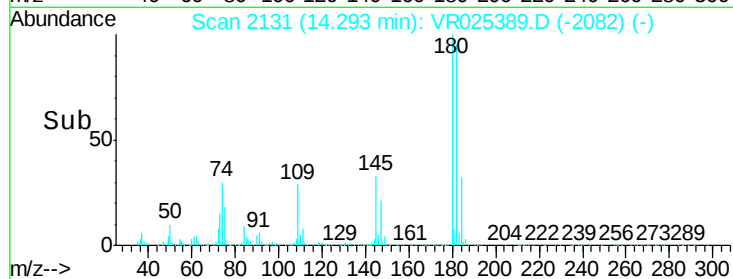
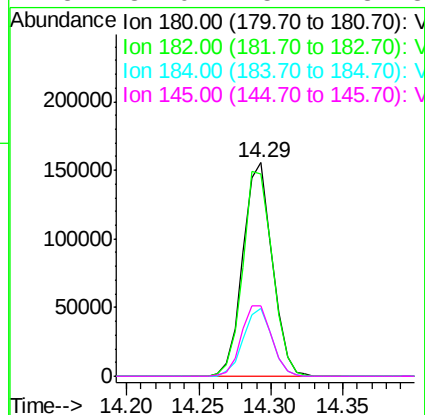
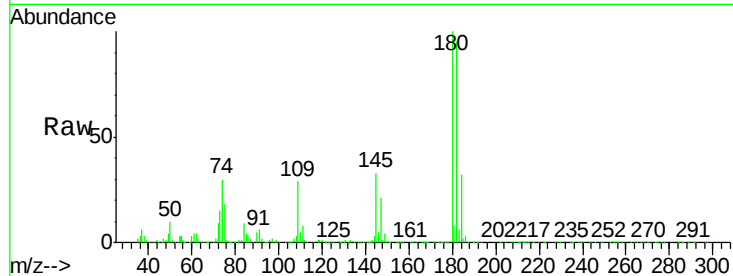




#67
 1,3,5-Trichlorobenzene
 Concen: 5.012 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

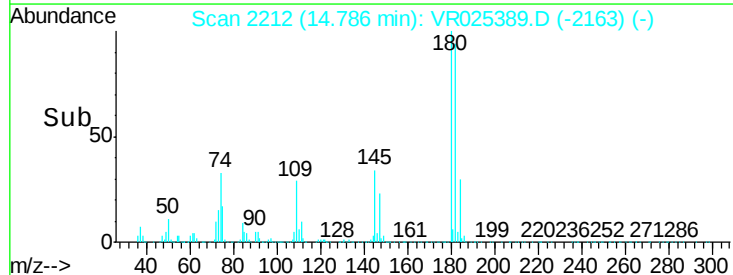
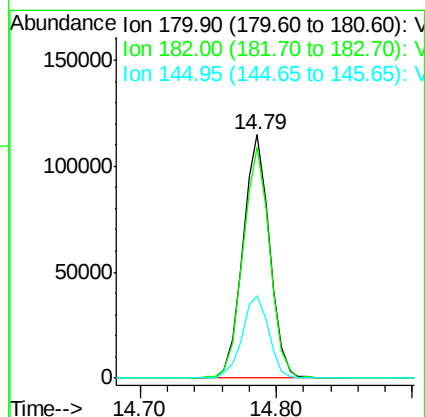
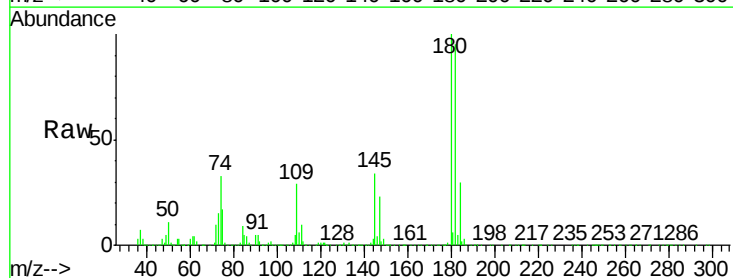
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

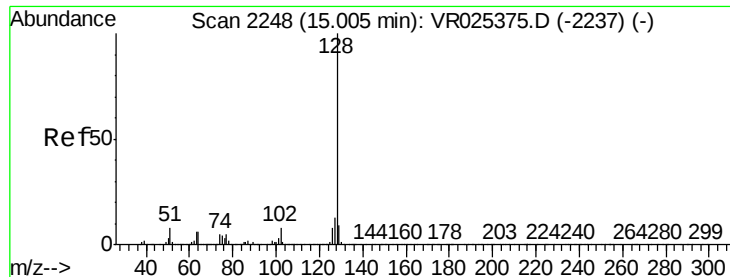
Tgt Ion:	180	Resp:	219553
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.0	114.0
184	31.1	24.5	36.7
145	34.0	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.130 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025389.D
 Acq: 20 Jun 2018 19:46

Tgt Ion:	180	Resp:	156465
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.0	112.4
145	34.0	27.3	40.9





#69

Naphthalene

Concen: 5.673 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

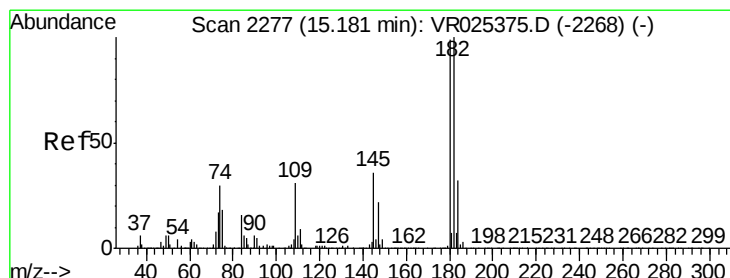
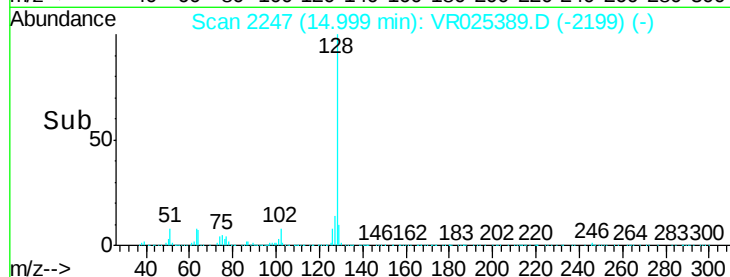
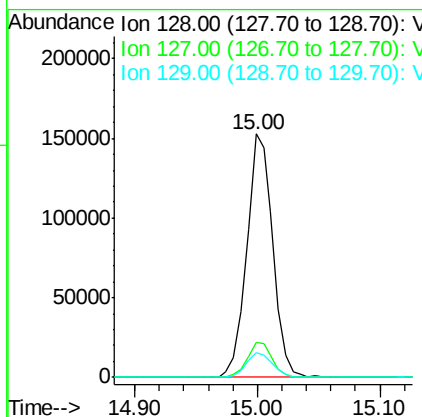
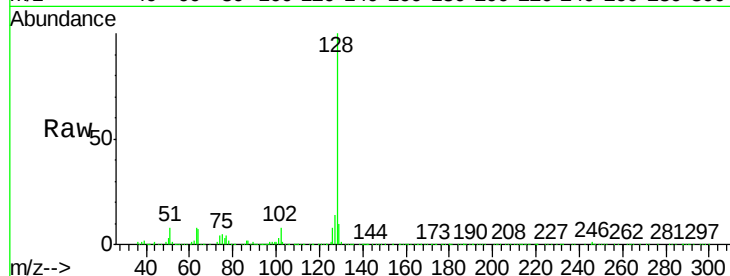
Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

Tgt Ion:	128	Resp:	225177
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	10.3	8.6	13.0



#70

1,2,3-Trichlorobenzene

Concen: 5.735 ug/L

RT: 15.18 min Scan# 2276

Delta R.T. -0.01 min

Lab File: VR025389.D

Acq: 20 Jun 2018 19:46

Tgt Ion:	180	Resp:	135346
Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.2	112.8
145	35.0	28.2	42.2

