

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003217.D
 Acq On : 16 Jul 2020 18:13
 Operator : SY/MD
 Sample : L3308-10
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 10

Quant Time: Jul 17 05:22:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	408202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	339803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	137133	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	145058	62.66	ug/l	0.00
Spiked Amount			Recovery	=	125.32%	
35) Dibromofluoromethane	7.73	113	137148	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
50) Toluene-d8	10.18	98	502403	57.53	ug/l	0.00
Spiked Amount			Recovery	=	115.06%	
62) 4-Bromofluorobenzene	12.48	95	140523	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

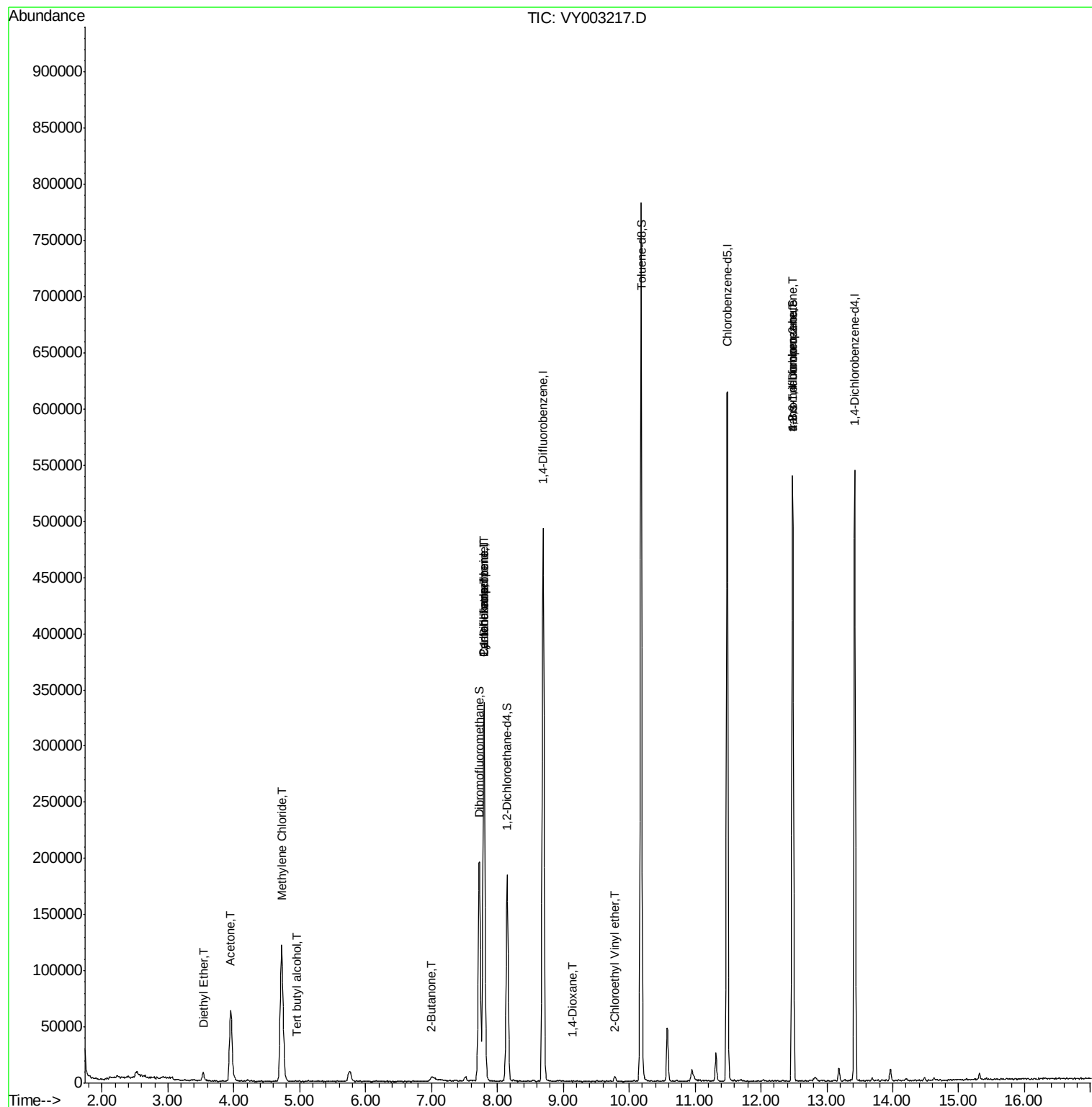
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	4402	3.288	ug/l	91
11) Tert butyl alcohol	4.95	59	293	1.171	ug/l #	72
16) Acetone	3.96	43	110282	213.277	ug/l	94
20) Methylene Chloride	4.73	84	90774	33.025	ug/l	98
25) 2-Butanone	7.00	43	1030	1.213	ug/l #	49
31) Cyclohexane	7.79	56	5721	1.359	ug/l #	18
36) 1,1-Dichloropropene	7.80	75	19445	5.256	ug/l #	50
38) Carbon Tetrachloride	7.80	117	23977	6.278	ug/l #	18
49) 1,4-Dioxane	9.14	88	25	1.279	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.78	63	1970	1.302	ug/l	91
76) 1,2,3-Trichloropropane	12.48	75	74164	61.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	74164	118.907	ug/l #	13

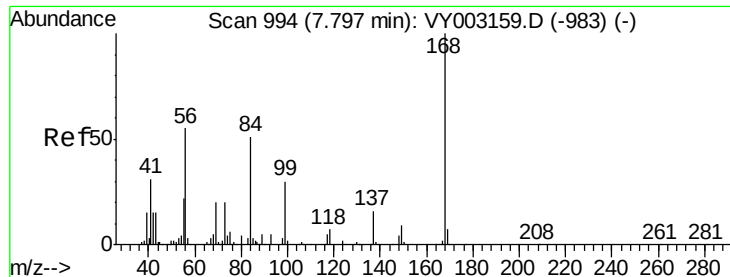
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003217.D

Acq: 16 Jul 2020 18:13

Instrument :

MSVOA_Y

ClientSampled :

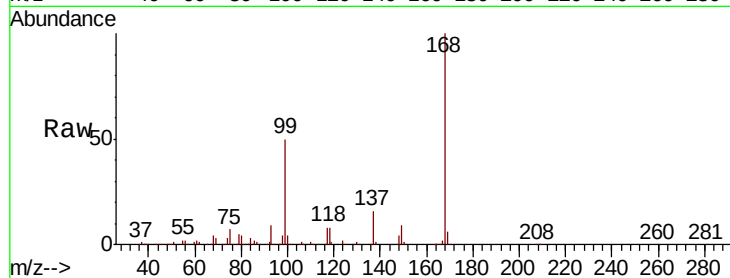
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Tot Ion:168 Resp: 274268

Ion Ratio Lower Upper

168 100

99 50.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

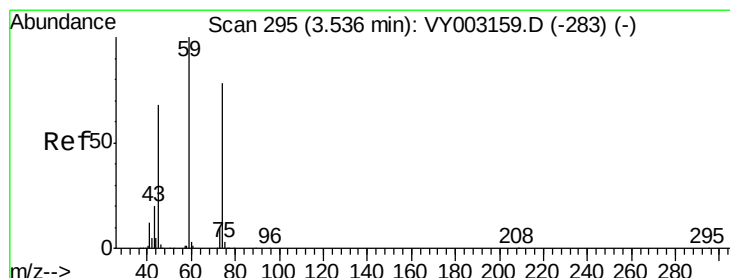
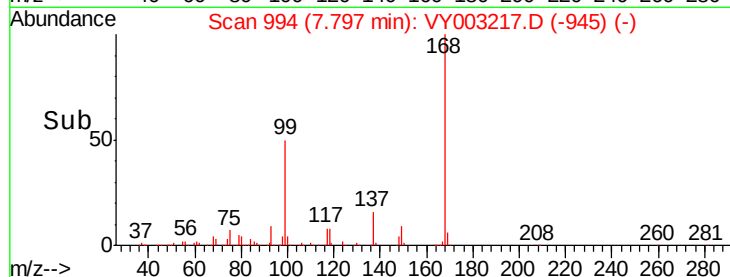
7.80

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.288 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003217.D

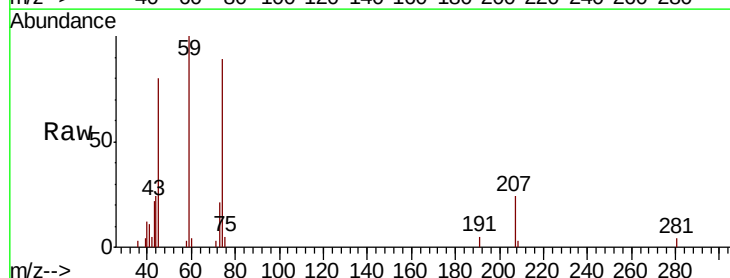
Acq: 16 Jul 2020 18:13

Tgt Ion: 74 Resp: 4402

Ion Ratio Lower Upper

74 100

45 99.1 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003159.D (-283) (-)

Ion 45.00 (44.70 to 45.70): VY003159.D (-283) (-)

3.54

2000

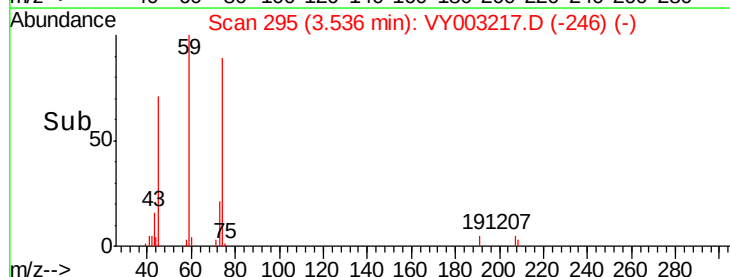
1500

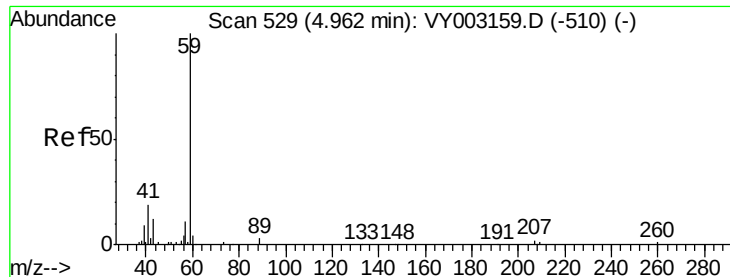
1000

500

0

Time-->



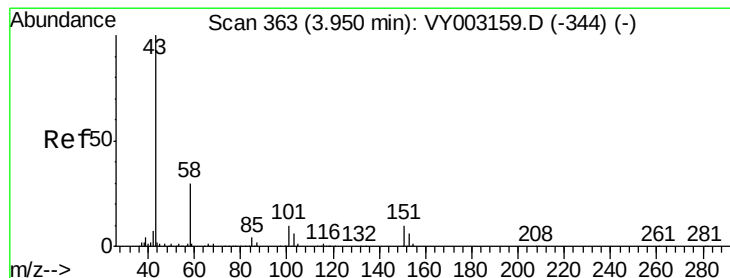
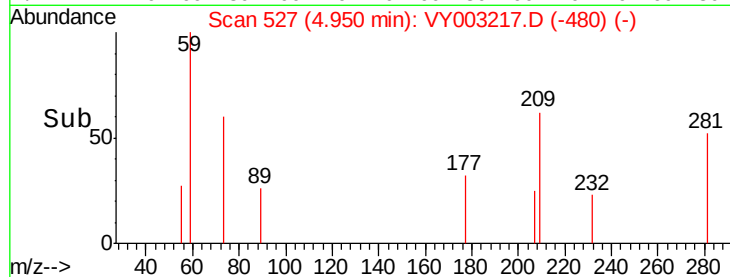
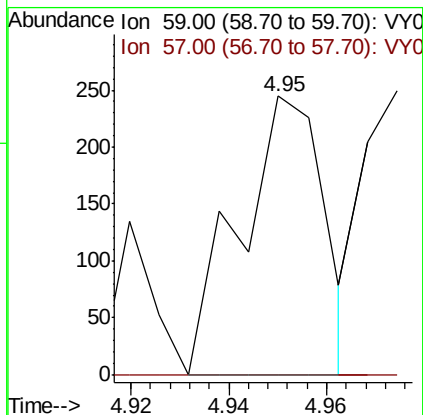
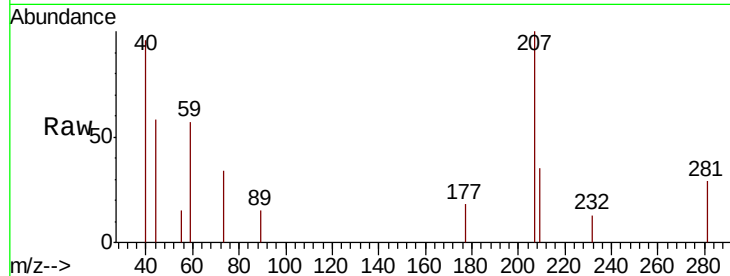


#11

Tert butyl alcohol
 Concen: 1.171 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampled :
 10

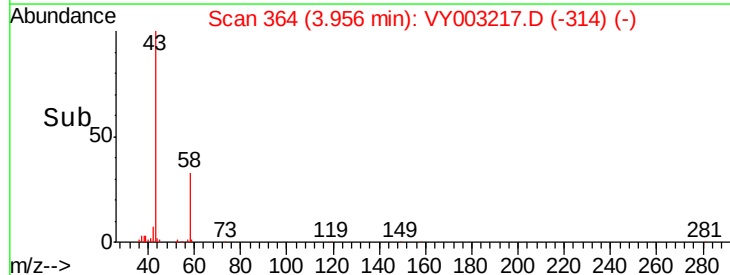
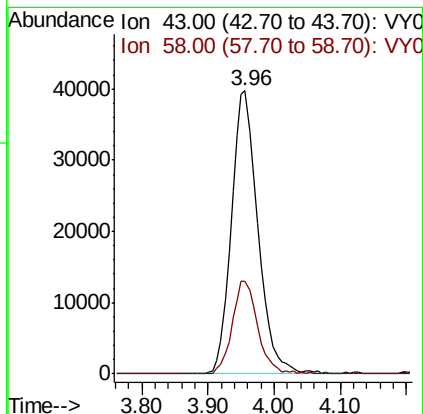
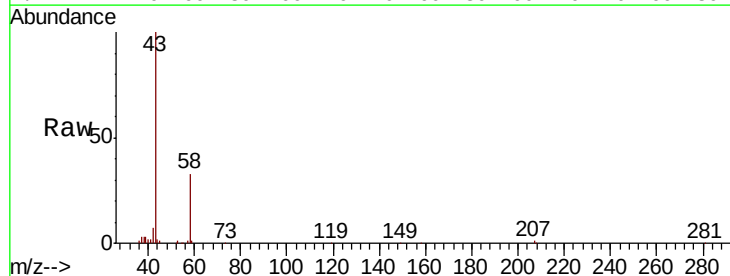
Tot Ion: 59 Resp: 293
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

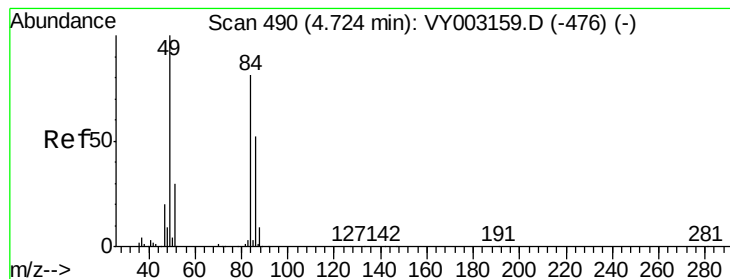


#16

Acetone
 Concen: 213.277 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

Tgt Ion: 43 Resp: 110282
 Ion Ratio Lower Upper
 43 100
 58 32.7 23.8 35.6





#20

Methylene Chloride

Concen: 33.025 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003217.D

Acq: 16 Jul 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :
10

Tot Ion: 84 Resp: 90774

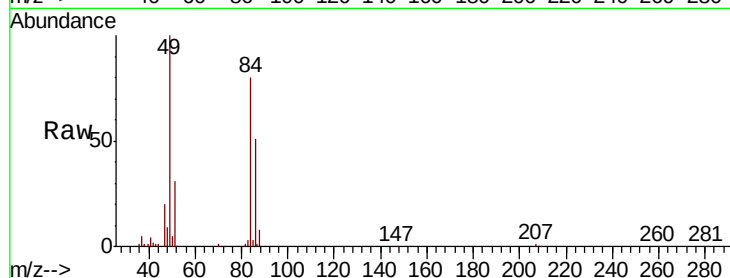
Ion Ratio Lower Upper

84 100

49 125.4 98.2 147.4

51 39.0 29.8 44.6

86 63.3 51.2 76.8



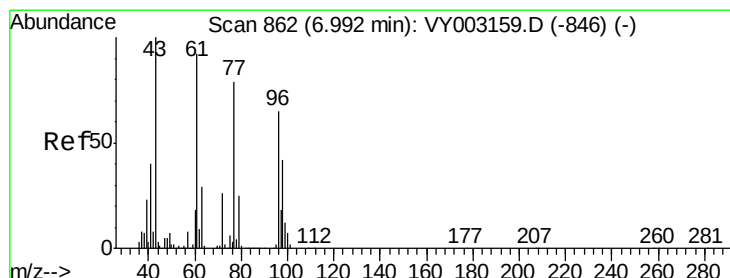
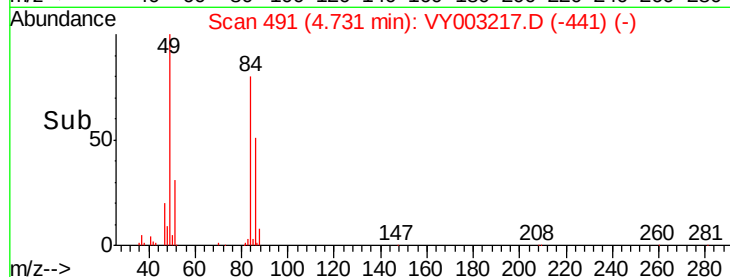
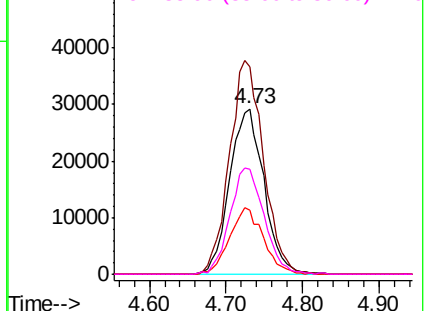
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25

2-Butanone

Concen: 1.213 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003217.D

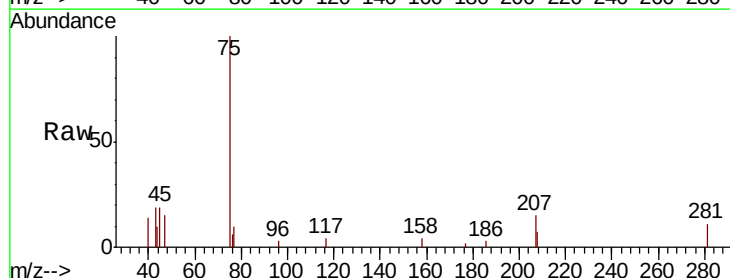
Acq: 16 Jul 2020 18:13

Tgt Ion: 43 Resp: 1030

Ion Ratio Lower Upper

43 100

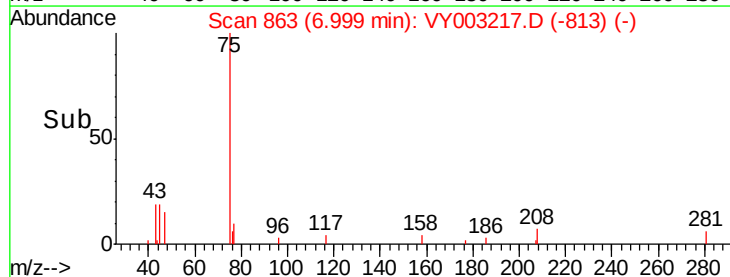
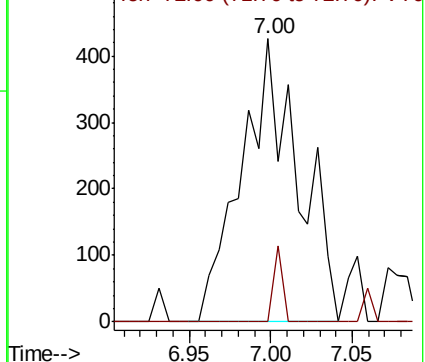
72 0.0 20.9 31.3#

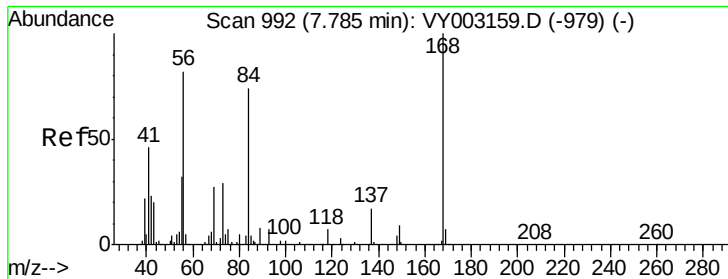


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003217.D

Acq: 16 Jul 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

10

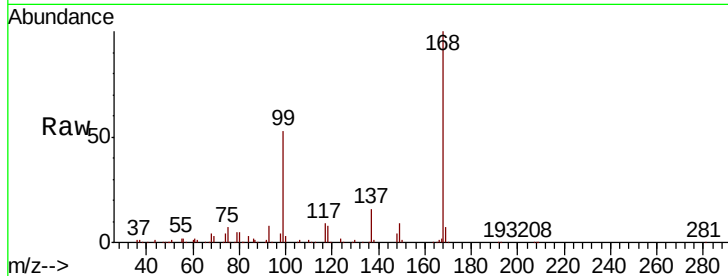
Tot Ion: 56 Resp: 5721

Ion Ratio Lower Upper

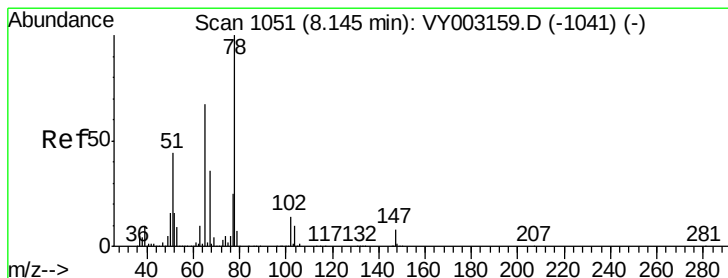
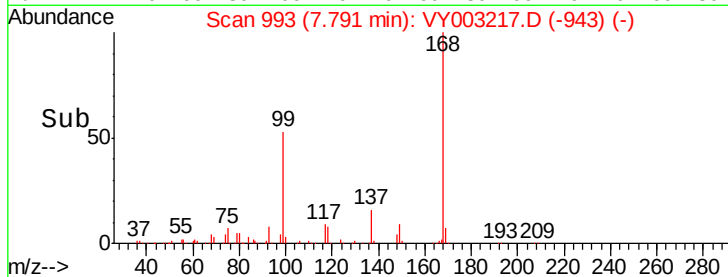
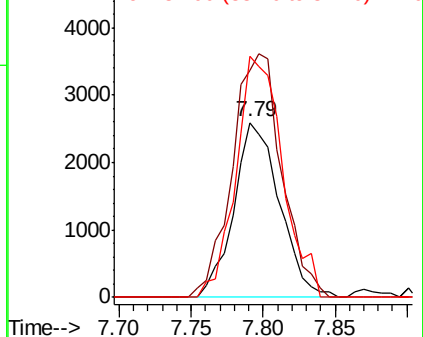
56 100

69 129.8 26.7 40.1#

84 137.6 72.3 108.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 62.662 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003217.D

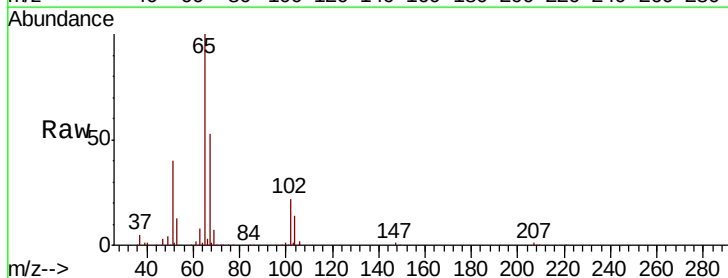
Acq: 16 Jul 2020 18:13

Tgt Ion: 65 Resp: 145058

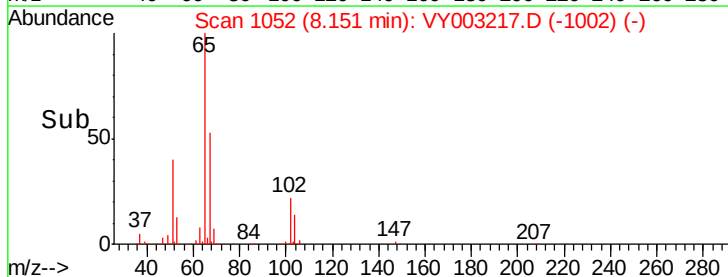
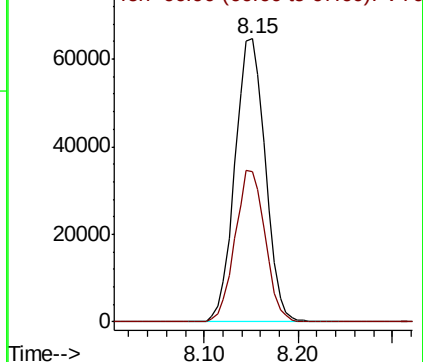
Ion Ratio Lower Upper

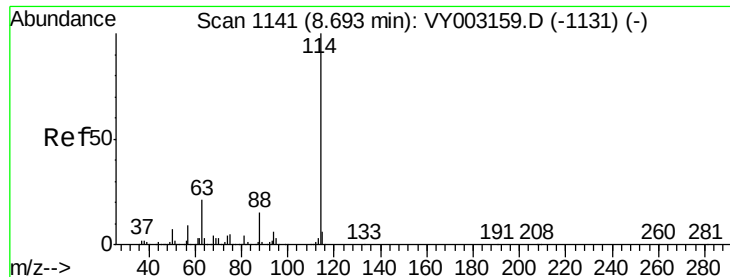
65 100

67 53.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

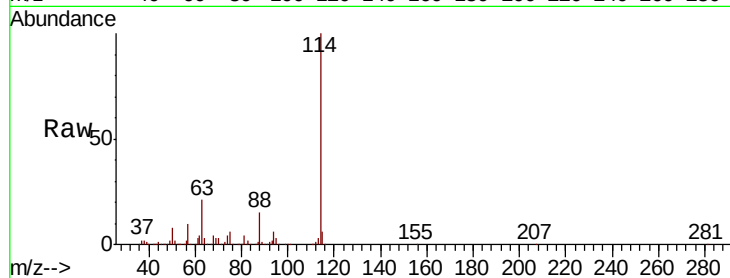




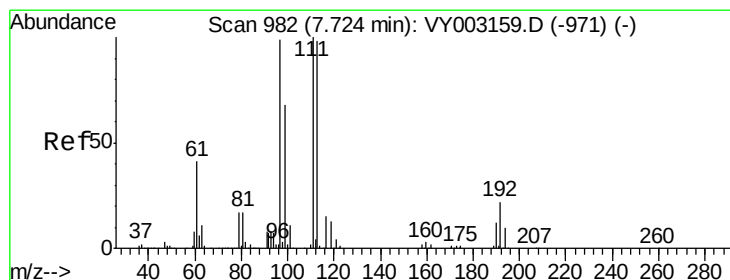
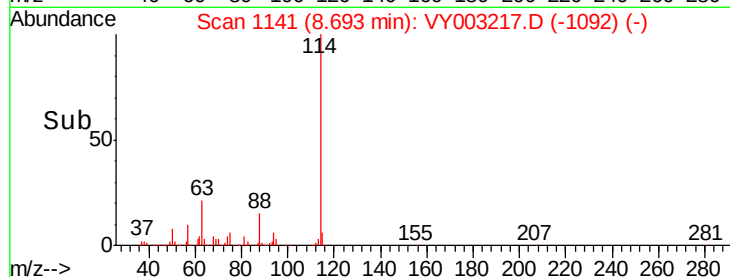
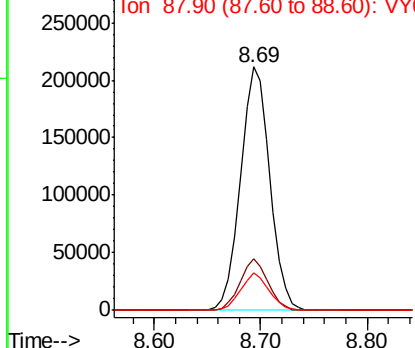
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampled :
 10

Tot Ion:114 Resp: 408202
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.2
 88 15.2 0.0 30.2

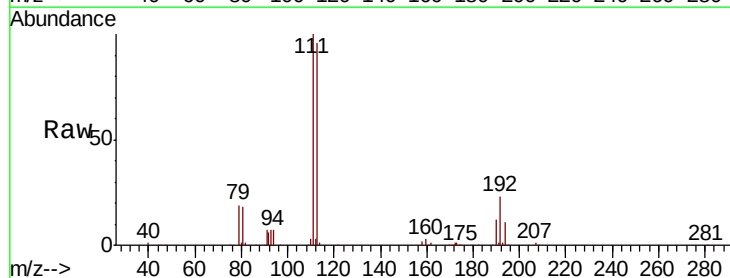


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

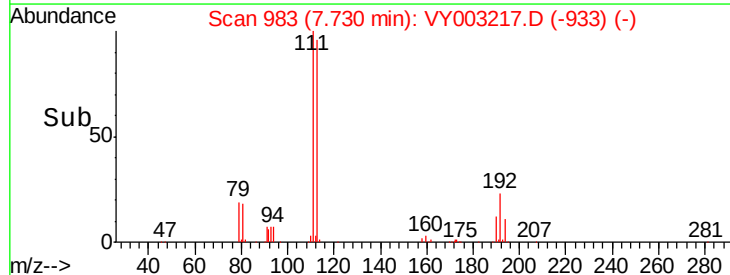
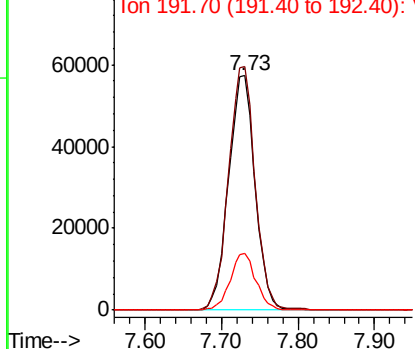


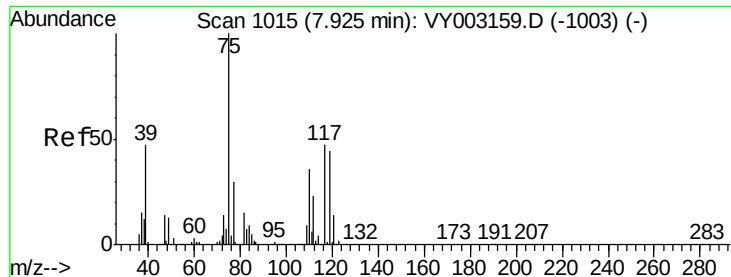
#35
 Dibromofluoromethane
 Concen: 58.383 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

Tgt Ion:113 Resp: 137148
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.1 123.1
 192 23.6 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

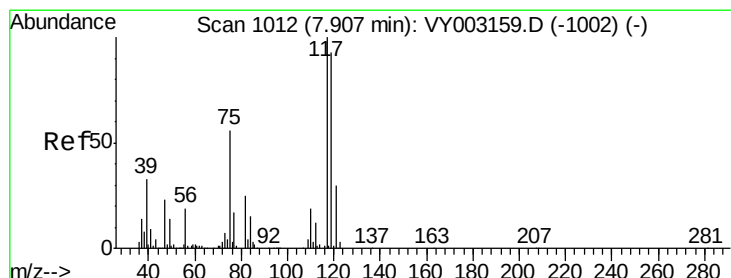
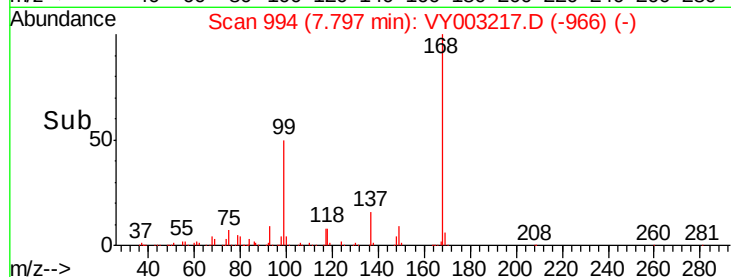
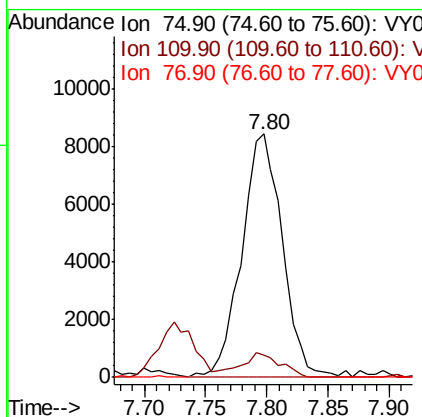
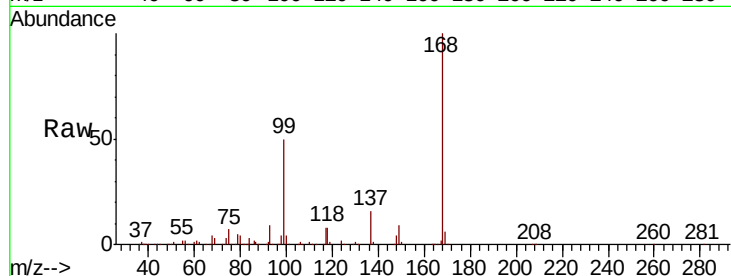




#36
 1,1-Dichloropropene
 Concen: 5.256 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

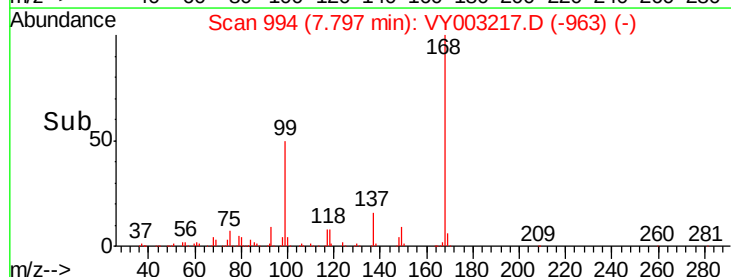
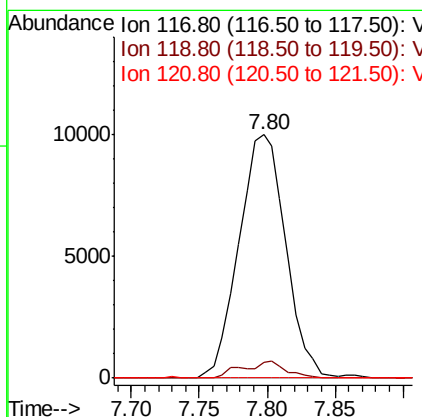
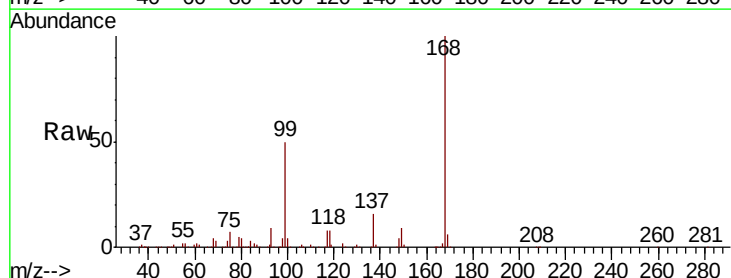
Instrument :
 MSVOA_Y
 ClientSampled :
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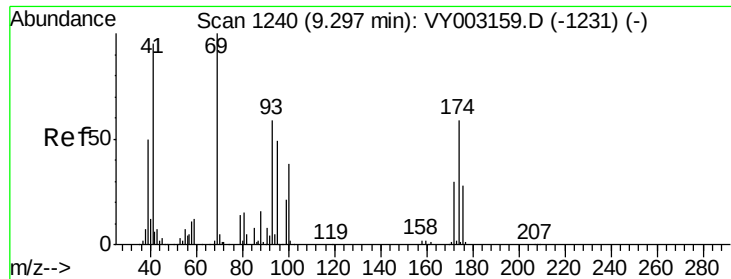
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.278 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	74.5	111.7#
121	0.0	24.2	36.2#

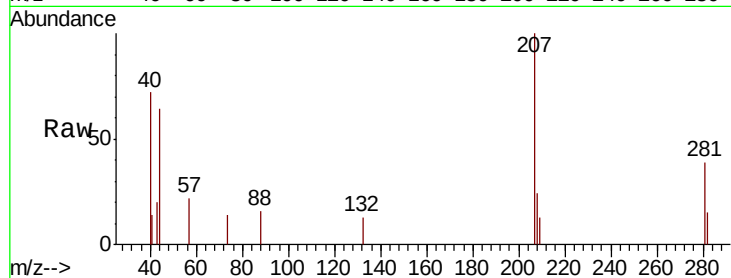




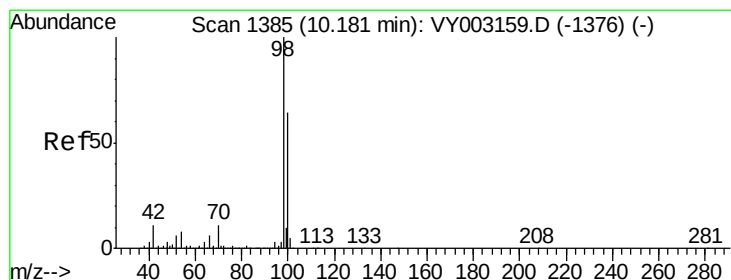
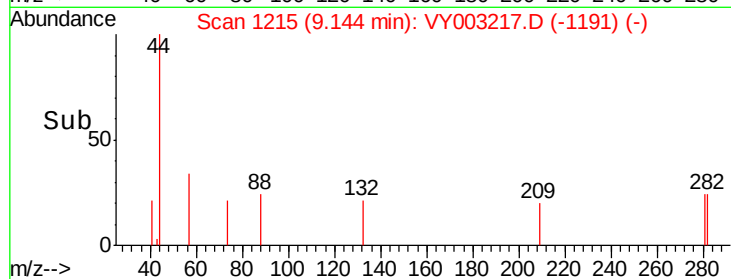
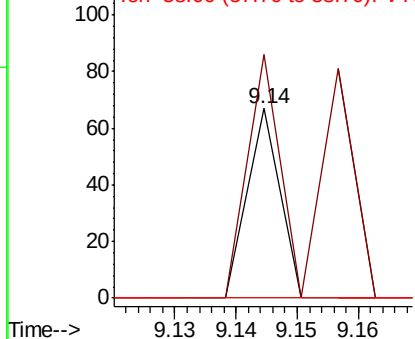
#49
 1,4-Dioxane
 Concen: 1.279 ug/l
 RT: 9.14 min Scan# 1215
 Delta R.T. -0.15 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampled :
 10

Tot Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 244.0 25.6 38.4#
 58 0.0 47.8 71.6#

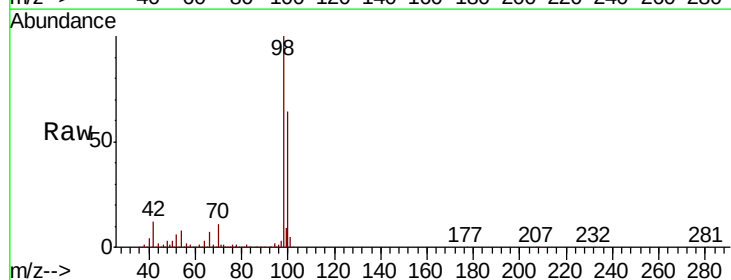


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

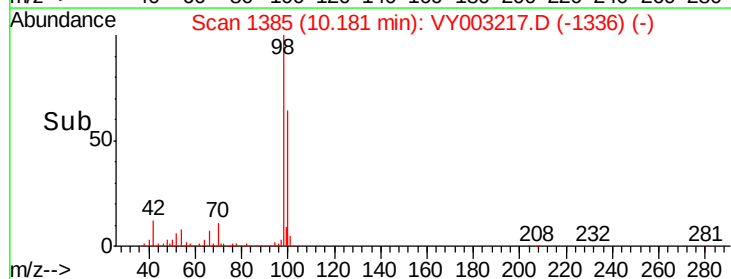
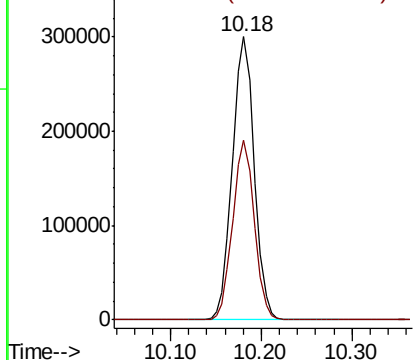


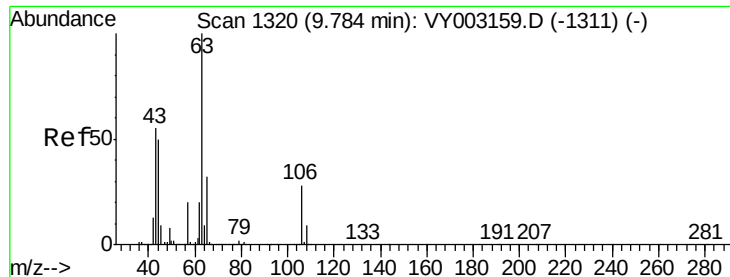
#50
 Toluene-d8
 Concen: 57.525 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003217.D
 Acq: 16 Jul 2020 18:13

Tgt Ion: 98 Resp: 502403
 Ion Ratio Lower Upper
 98 100
 100 62.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0

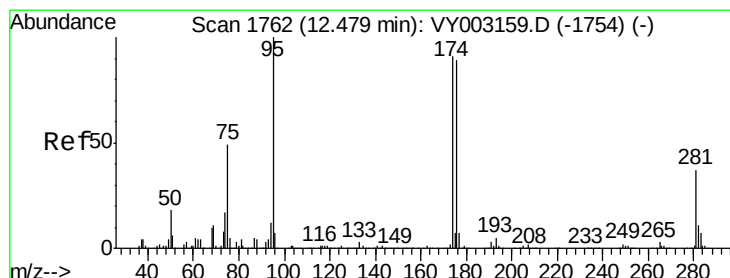
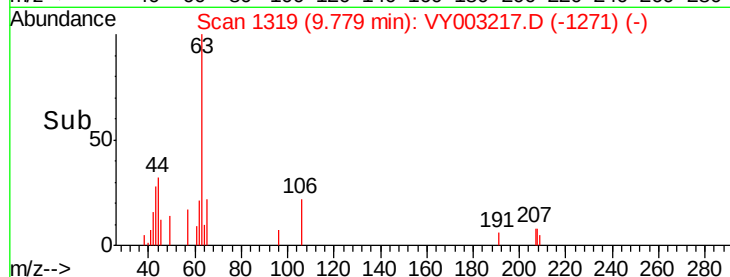
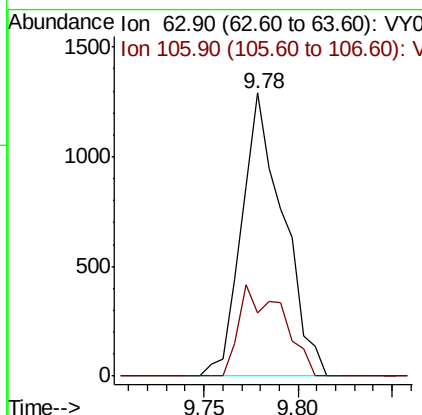
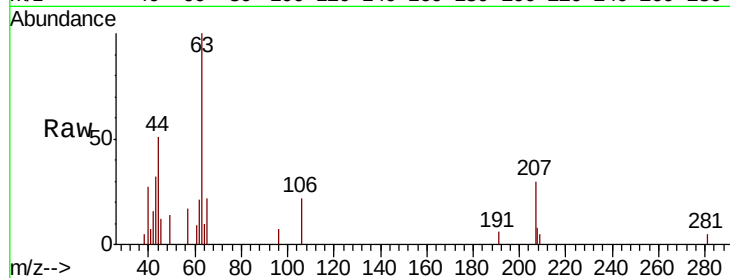




#58
2-Chloroethyl Vinyl ether
Concen: 1.302 ug/l
RT: 9.78 min Scan# 1319
Delta R.T. -0.01 min
Lab File: VY003217.D
Acq: 16 Jul 2020 18:13

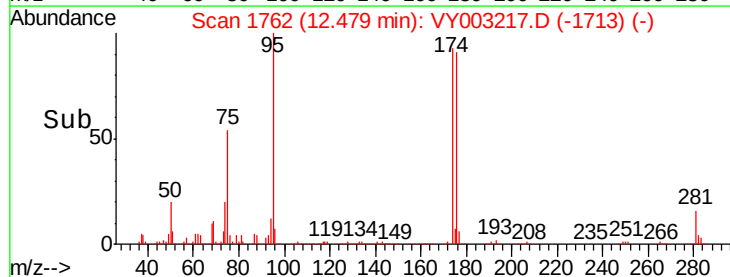
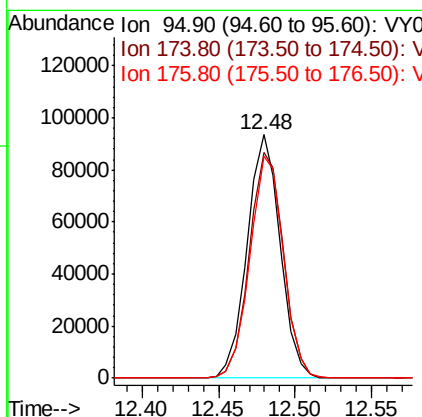
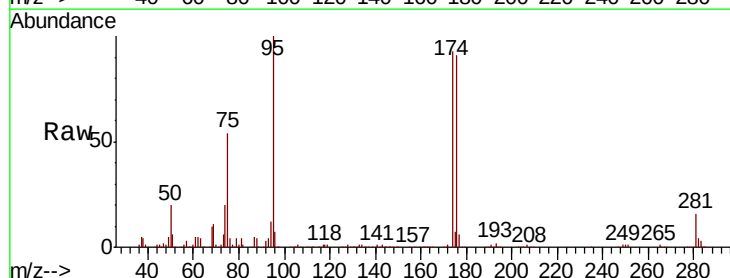
Instrument :
MSVOA_Y
ClientSampled :
10

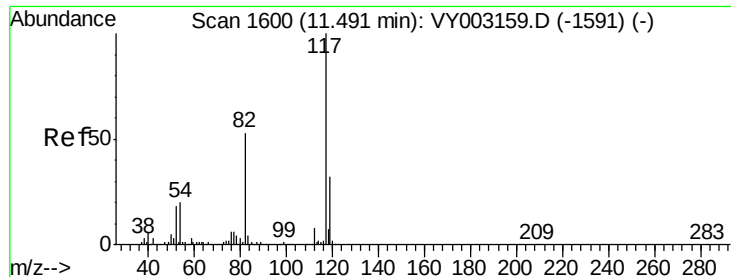
Tot Ion: 63 Resp: 1970
Ion Ratio Lower Upper
63 100
106 33.6 22.9 34.3



#62
4-Bromofluorobenzene
Concen: 44.538 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003217.D
Acq: 16 Jul 2020 18:13

Tgt Ion: 95 Resp: 140523
Ion Ratio Lower Upper
95 100
174 95.2 0.0 190.6
176 92.5 0.0 186.4

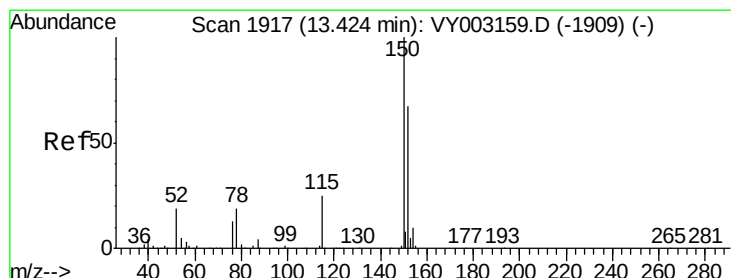
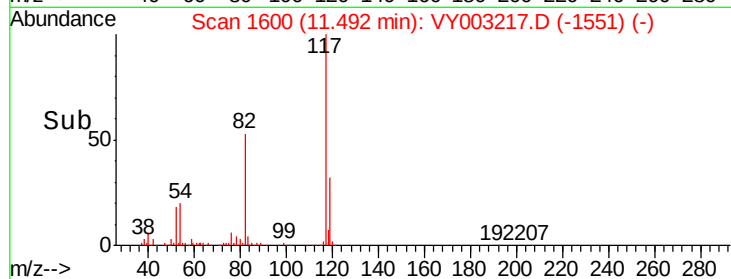
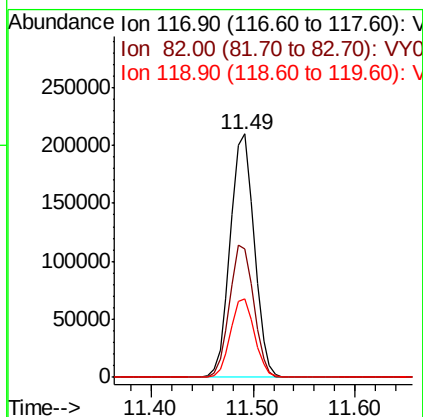
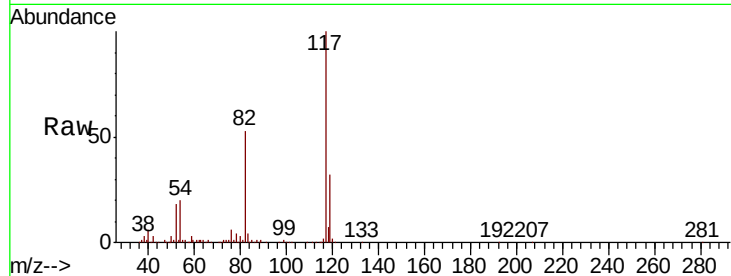




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003217.D
Acq: 16 Jul 2020 18:13

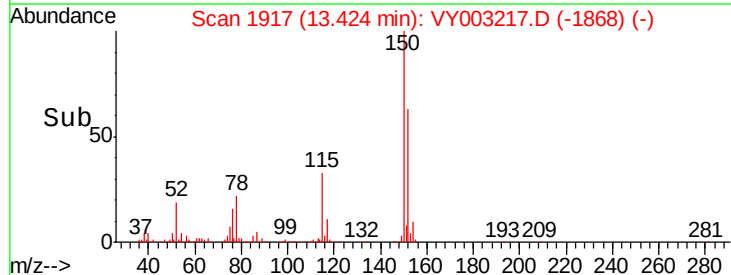
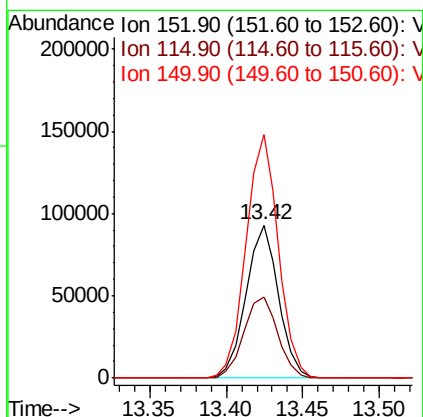
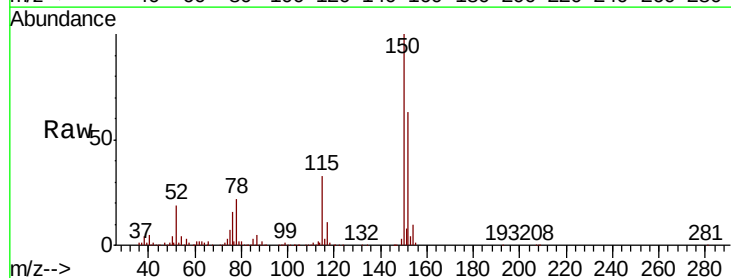
Instrument :
MSVOA_Y
ClientSampleId :
10

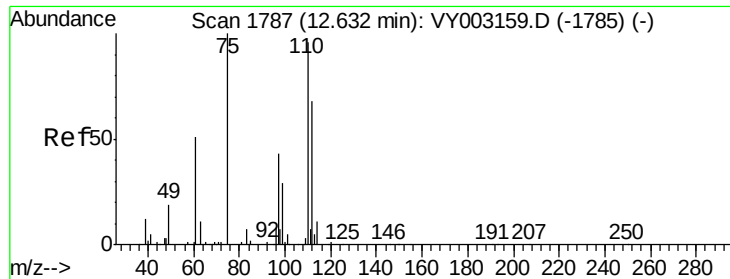
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.0	63.0
119	32.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003217.D
Acq: 16 Jul 2020 18:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	26.9	80.7
150	157.8	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 61.098 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003217.D

Acq: 16 Jul 2020 18:13

Instrument :

MSVOA_Y

ClientSampled :

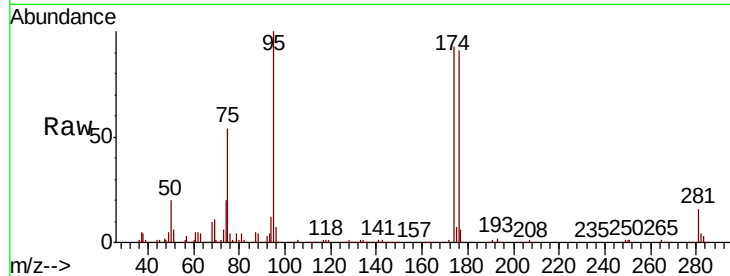
10

Tot Ion: 75 Resp: 74164

Ion Ratio Lower Upper

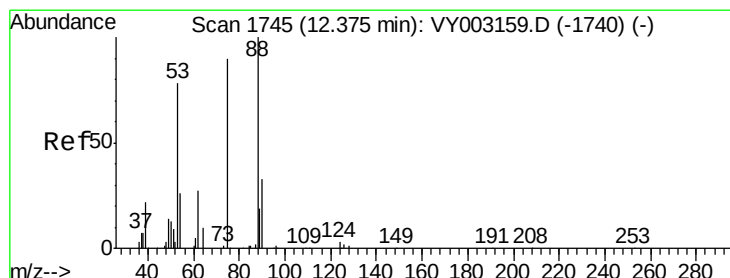
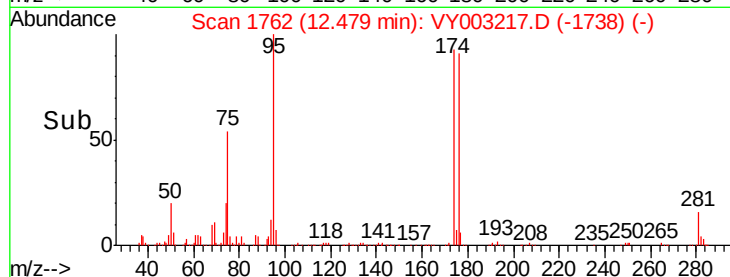
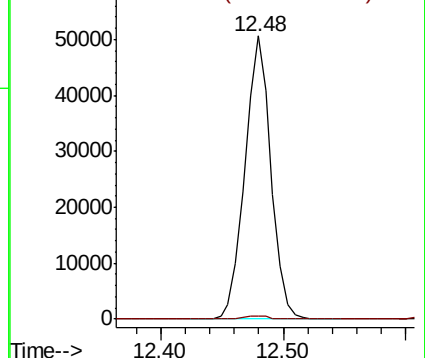
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 118.907 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003217.D

Acq: 16 Jul 2020 18:13

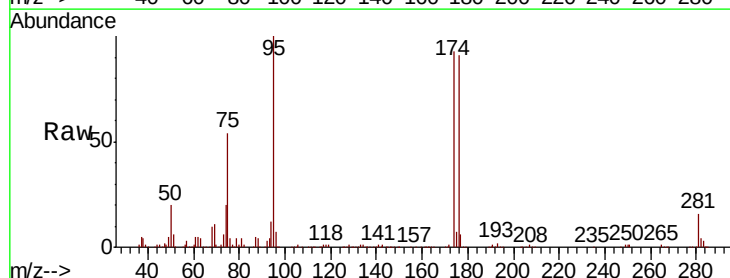
Tgt Ion: 75 Resp: 74164

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.4 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

