

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003216.D
 Acq On : 16 Jul 2020 17:51
 Operator : SY/MD
 Sample : L3308-09
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 9

Quant Time: Jul 17 05:21:59 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	299970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	444675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	380795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	163654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	152654	60.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.58%	
35) Dibromofluoromethane	7.72	113	148049	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
50) Toluene-d8	10.18	98	565380	59.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.86%	
62) 4-Bromofluorobenzene	12.48	95	164573	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

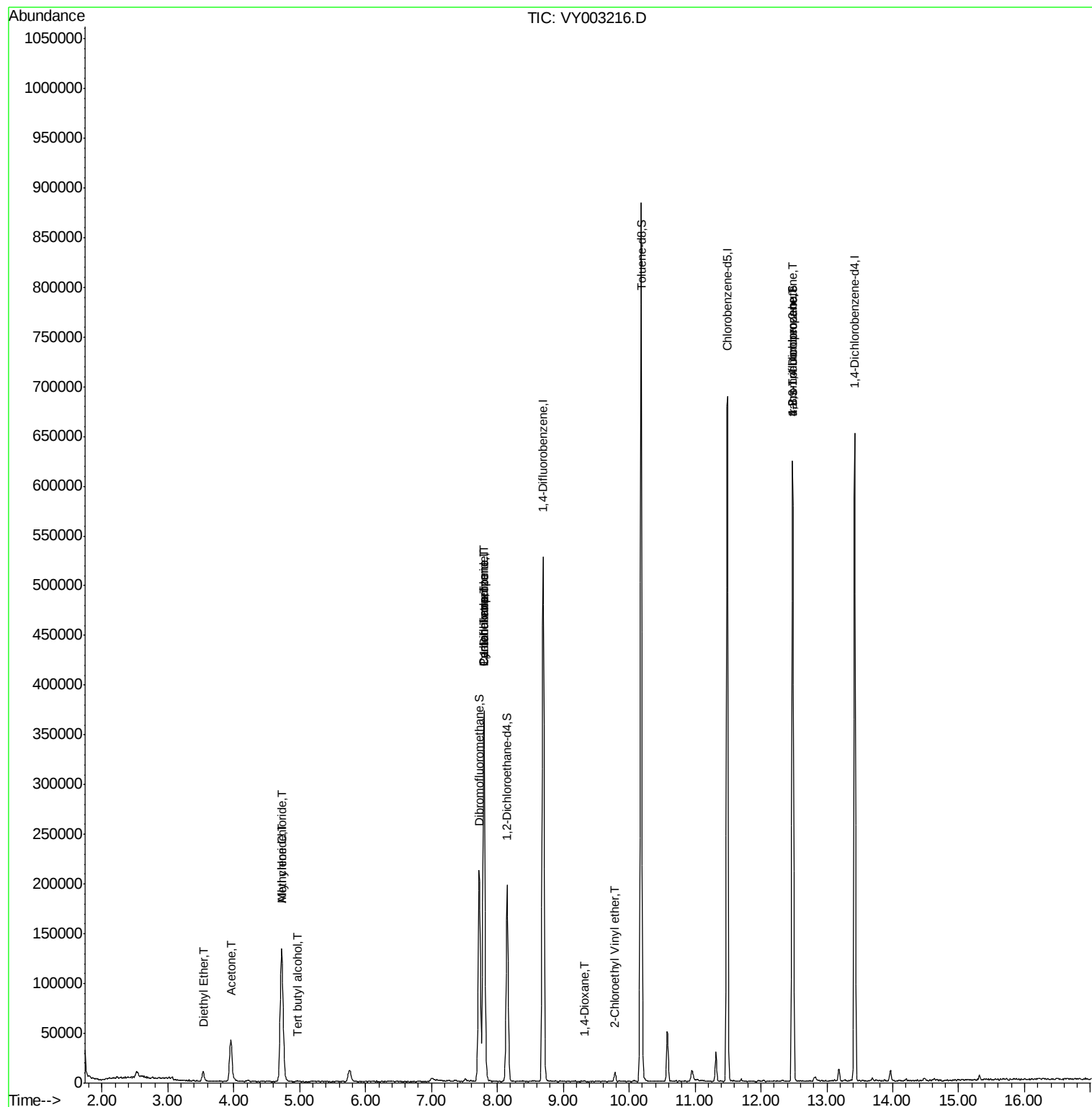
					Qvalue	
8) Diethyl Ether	3.54	74	5328	3.639	ug/l	75
11) Tert butyl alcohol	4.97	59	350	1.278	ug/l #	77
14) Allyl chloride	4.73	41	4629	1.250	ug/l #	24
16) Acetone	3.96	43	71748	126.866	ug/l	90
20) Methylene Chloride	4.73	84	102969	34.482	ug/l	97
31) Cyclohexane	7.80	56	5478	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	21112	5.238	ug/l #	50
38) Carbon Tetrachloride	7.80	117	27143	6.524	ug/l #	17
49) 1,4-Dioxane	9.31	88	22	1.034	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.78	63	3692	2.241	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	89096	61.504	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	89096	119.699	ug/l #	13

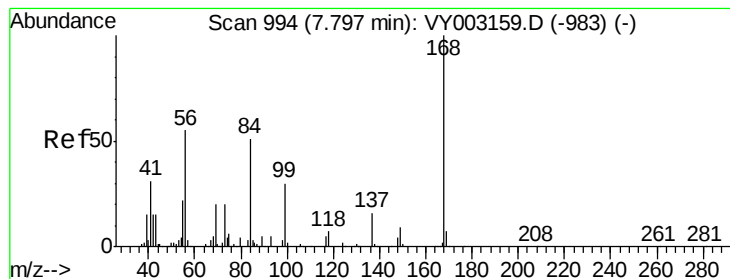
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003216.D

Acq: 16 Jul 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

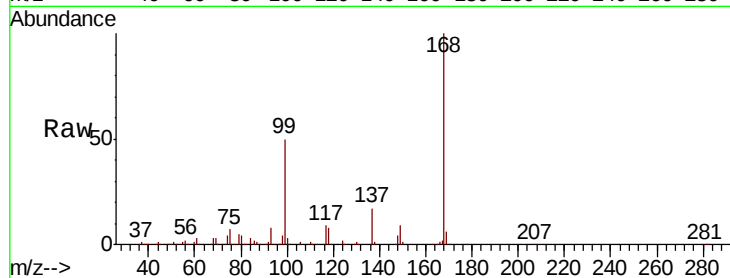
9

Tot Ion:168 Resp: 299970

Ion Ratio Lower Upper

168 100

99 49.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003216.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003216.D (-945) (-)

7.80

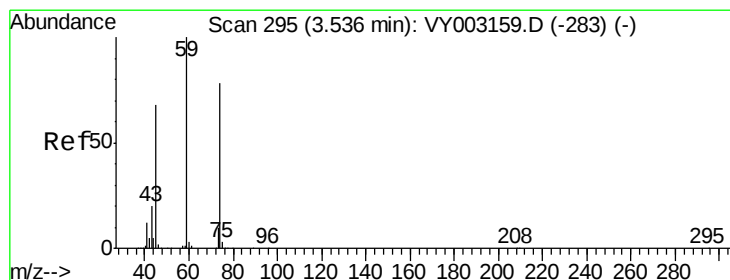
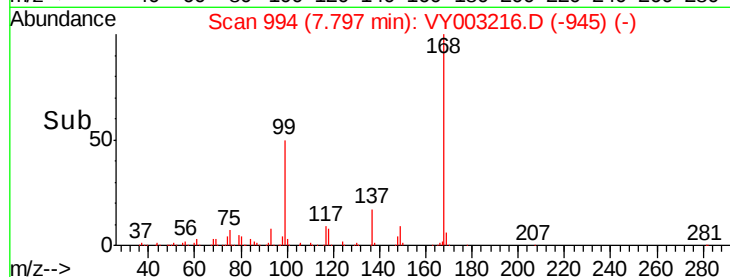
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.639 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003216.D

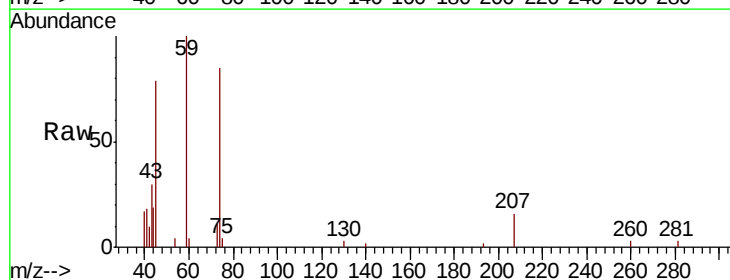
Acq: 16 Jul 2020 17:51

Tgt Ion: 74 Resp: 5328

Ion Ratio Lower Upper

74 100

45 113.9 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003216.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003216.D (-246) (-)

3.54

2500

2000

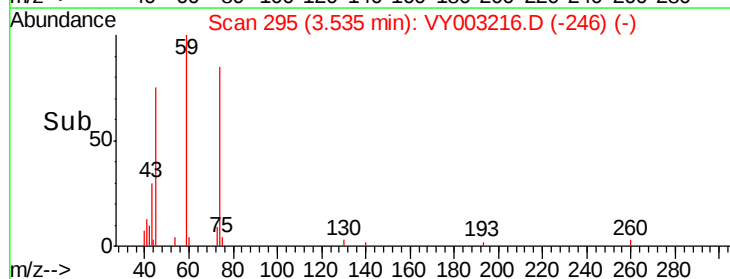
1500

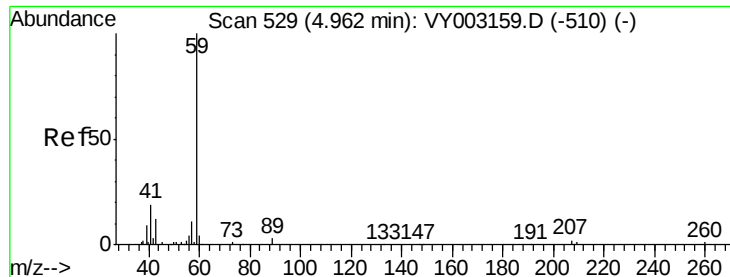
1000

500

0

Time-->

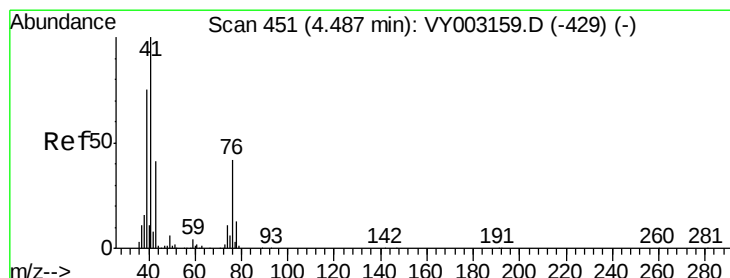
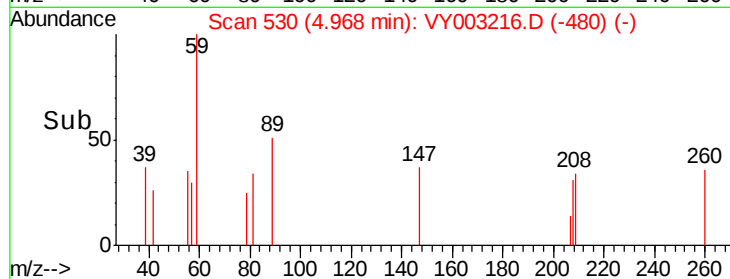
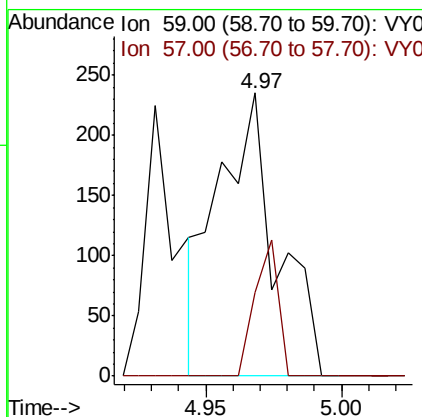
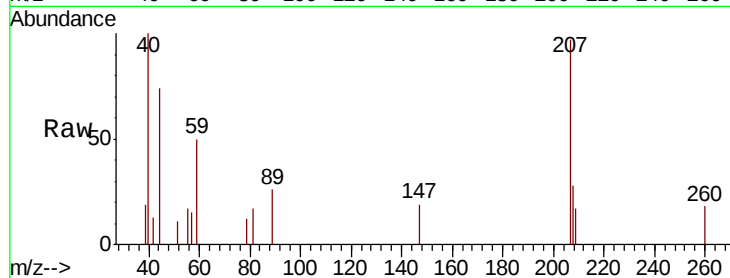




#11
Tert butyl alcohol
Concen: 1.278 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

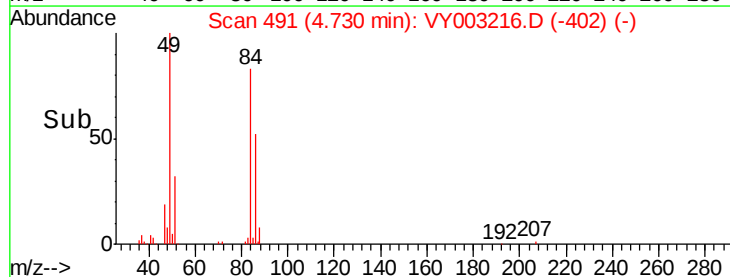
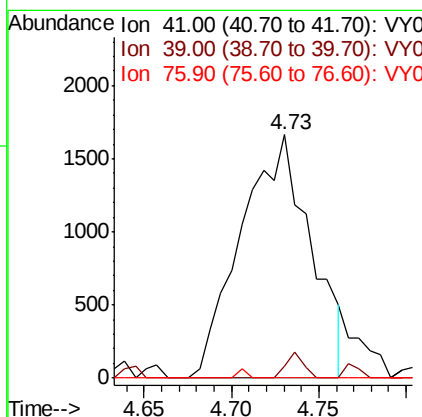
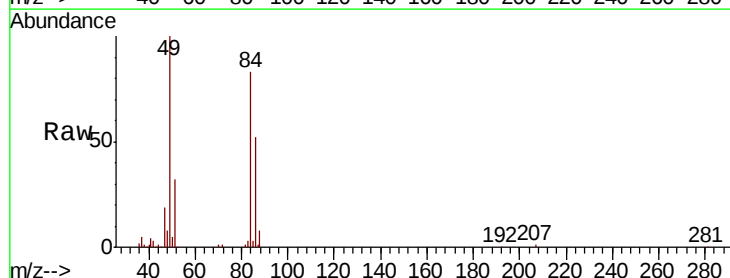
Instrument :
MSVOA_Y
ClientSampled :
9

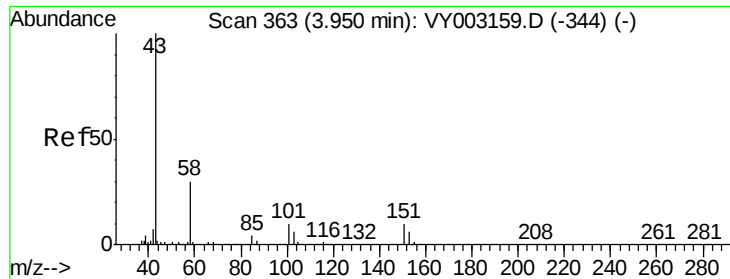
Tot Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 19.1 8.4 12.6#



#14
Allyl chloride
Concen: 1.250 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.24 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

Tgt Ion: 41 Resp: 4629
Ion Ratio Lower Upper
41 100
39 2.6 56.6 85.0#
76 0.0 31.6 47.4#

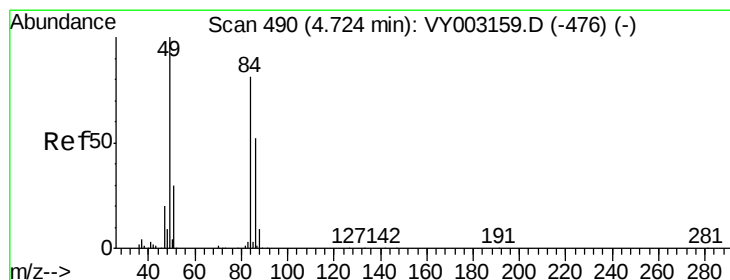
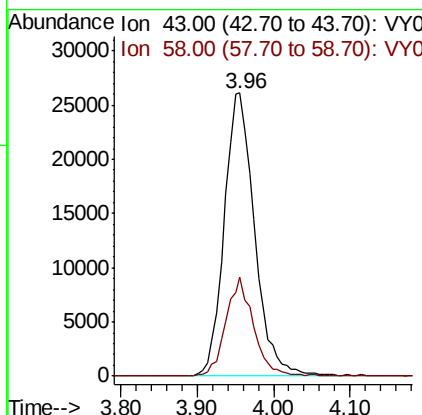
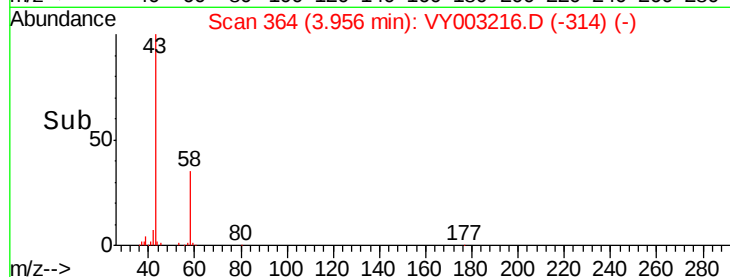
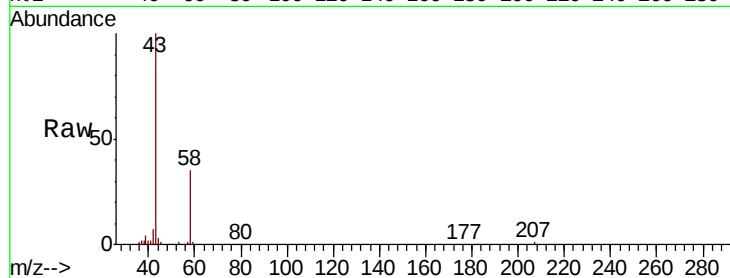




#16
Acetone
Concen: 126.866 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

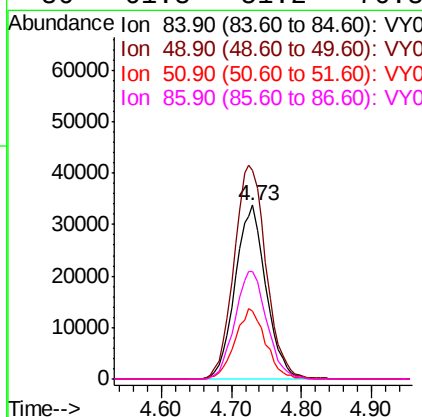
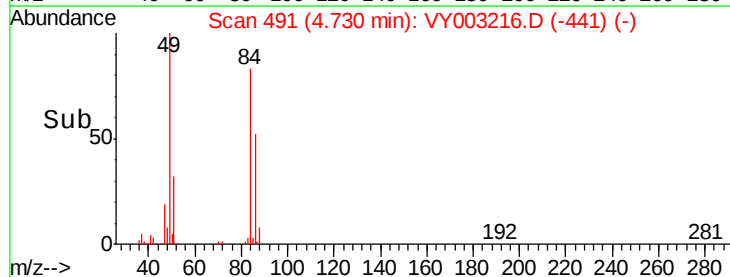
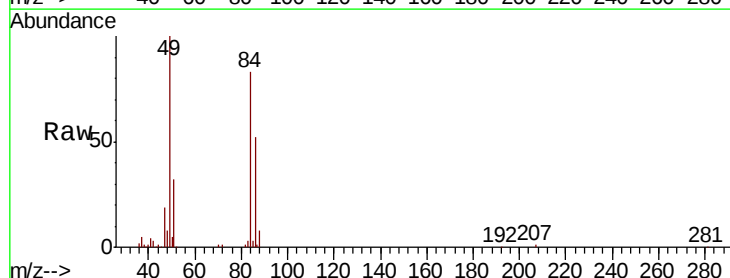
Instrument :
MSVOA_Y
ClientSampleId :
9

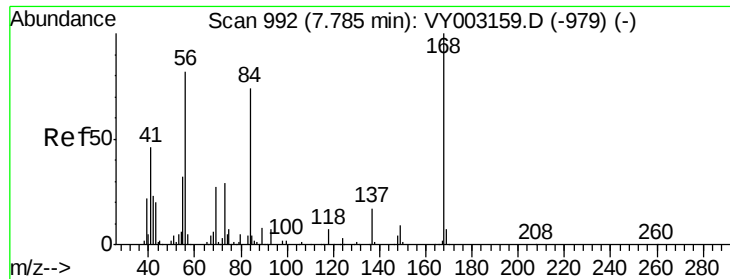
Tot Ion: 43 Resp: 71748
Ion Ratio Lower Upper
43 100
58 35.2 23.8 35.6



#20
Methylene Chloride
Concen: 34.482 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

Tgt Ion: 84 Resp: 102969
Ion Ratio Lower Upper
84 100
49 119.9 98.2 147.4
51 38.7 29.8 44.6
86 61.8 51.2 76.8





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003216.D

Acq: 16 Jul 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

9

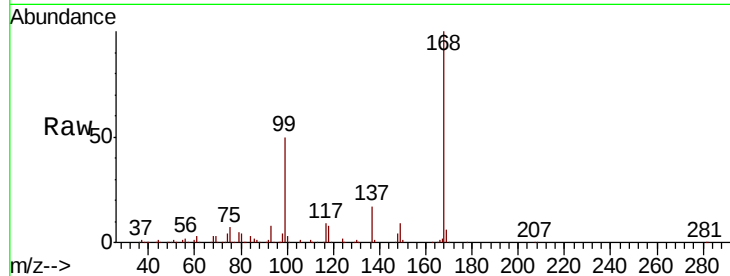
Tot Ion: 56 Resp: 5478

Ion Ratio Lower Upper

56 100

69 174.2 26.7 40.1#

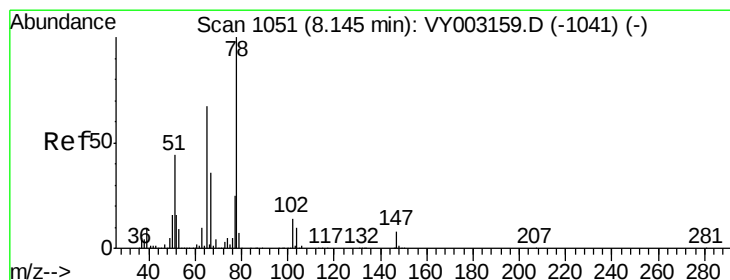
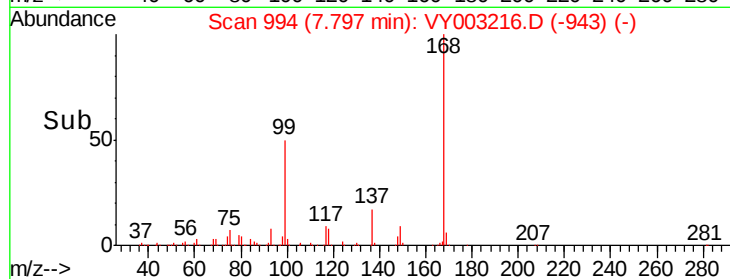
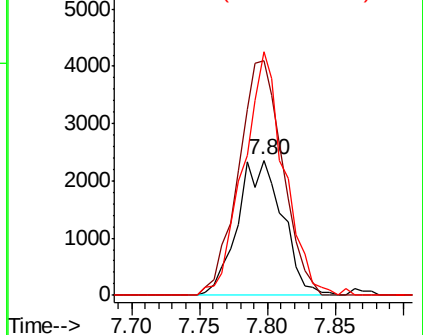
84 180.6 72.3 108.5#



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: 60.293 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003216.D

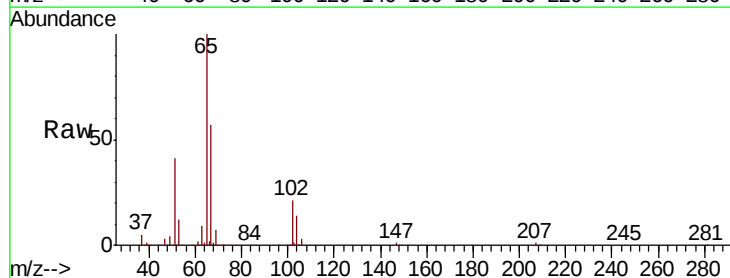
Acq: 16 Jul 2020 17:51

Tgt Ion: 65 Resp: 152654

Ion Ratio Lower Upper

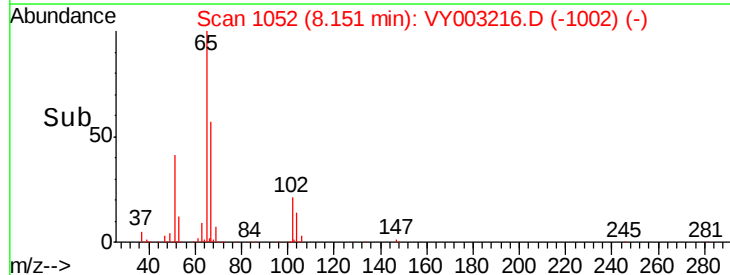
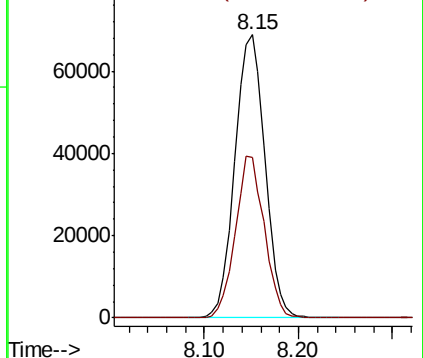
65 100

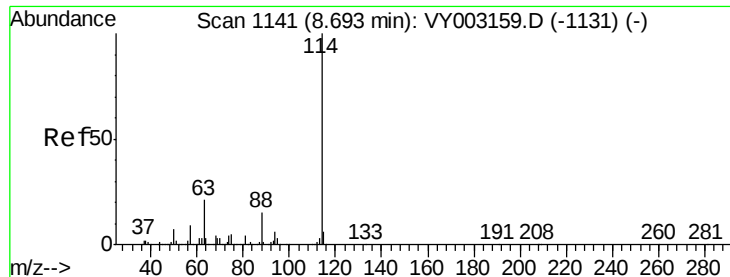
67 54.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

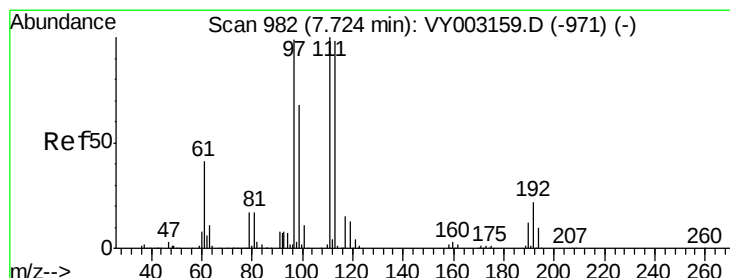
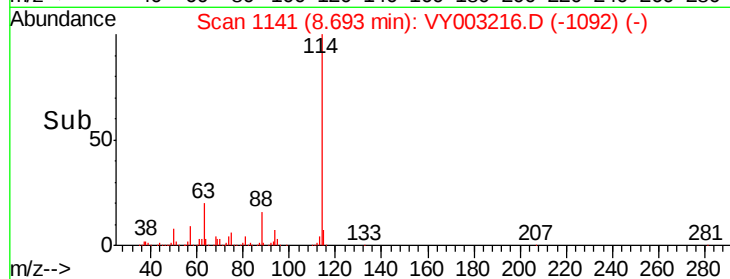
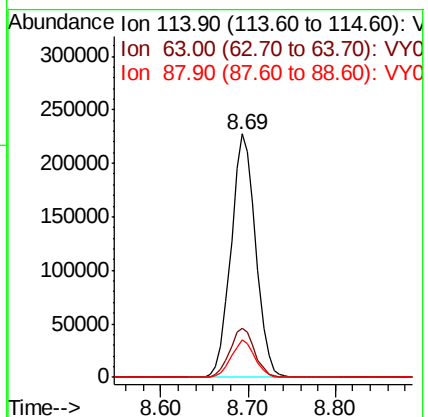
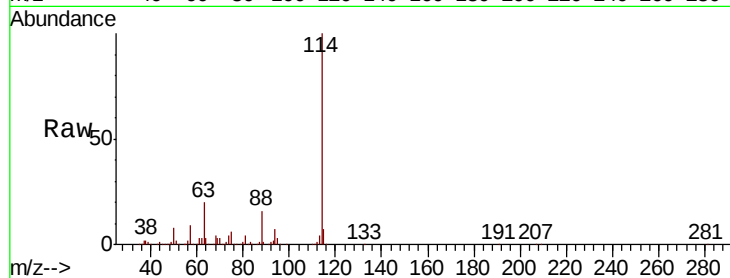




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

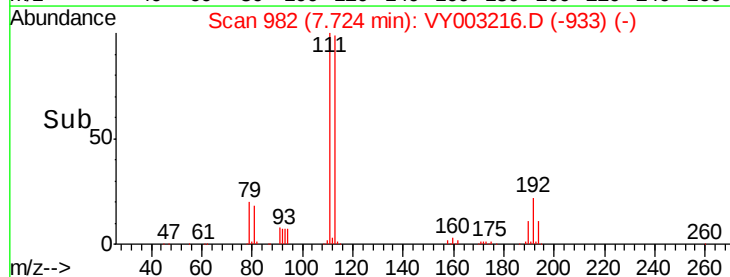
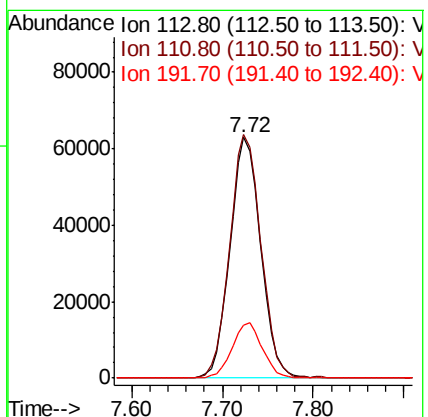
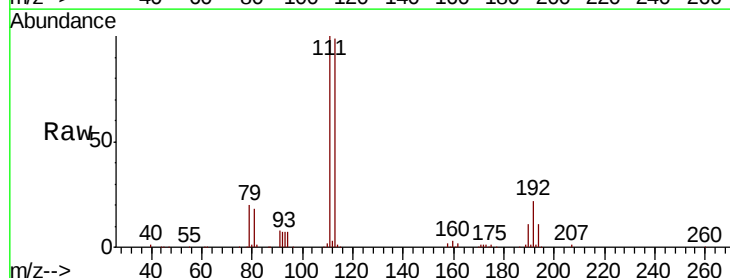
Instrument :
MSVOA_Y
ClientSampleId :
9

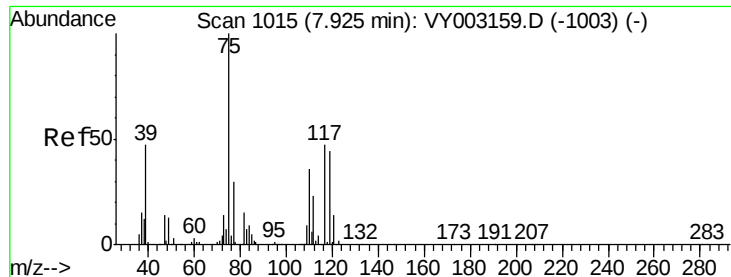
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.2
88	15.7	0.0	30.2



#35
Dibromofluoromethane
Concen: 57.854 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	22.5	18.8	28.2

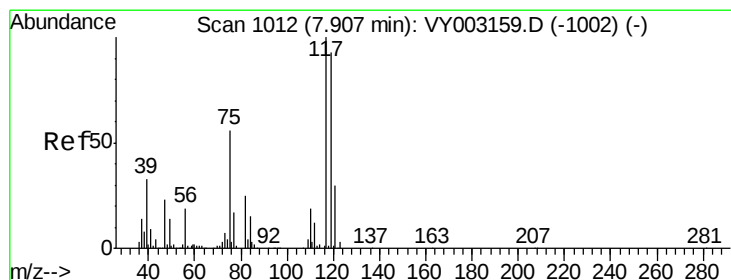
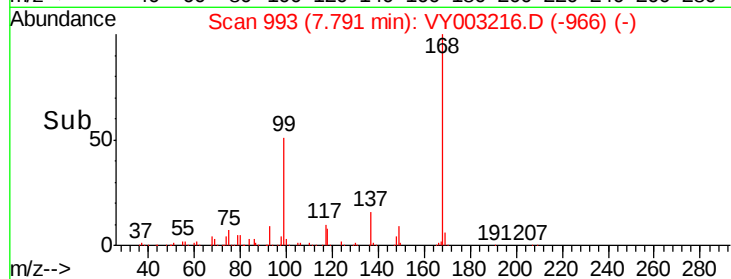
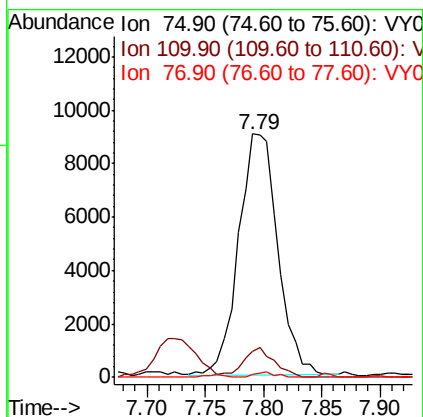
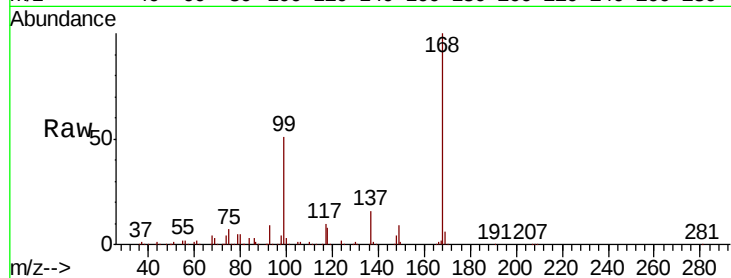




#36
 1,1-Dichloropropene
 Concen: 5.238 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003216.D
 Acq: 16 Jul 2020 17:51

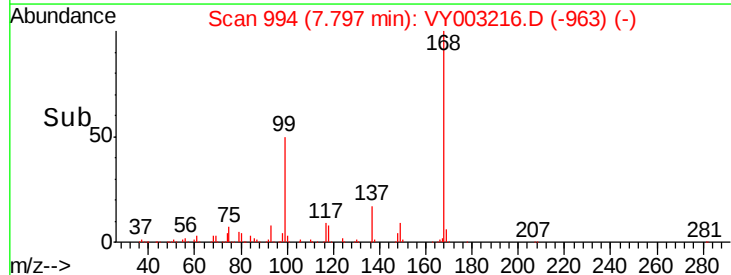
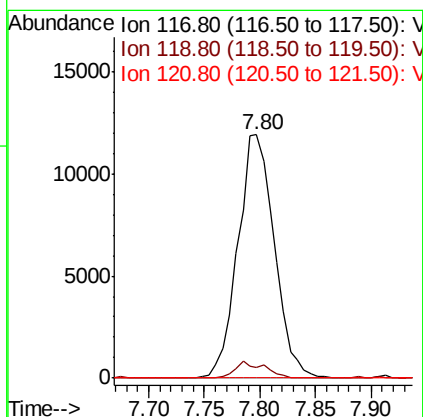
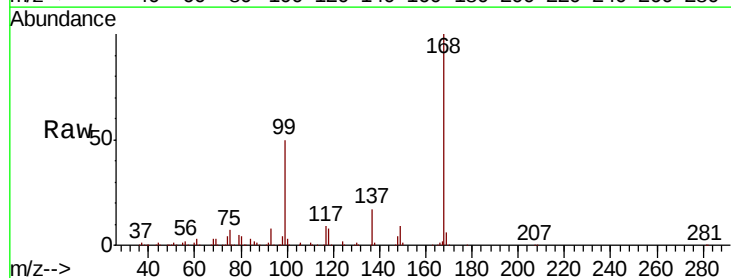
Instrument :
 MSVOA_Y
 ClientSampleId :
 9

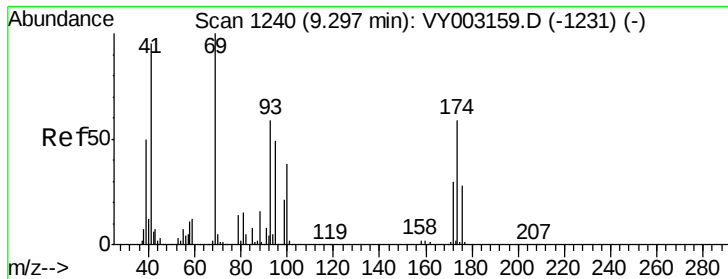
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.1#
77	1.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.524 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003216.D
 Acq: 16 Jul 2020 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.5	111.7#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 1.034 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VY003216.D

Acq: 16 Jul 2020 17:51

Instrument :
MSVOA_Y
ClientSampleId :
9

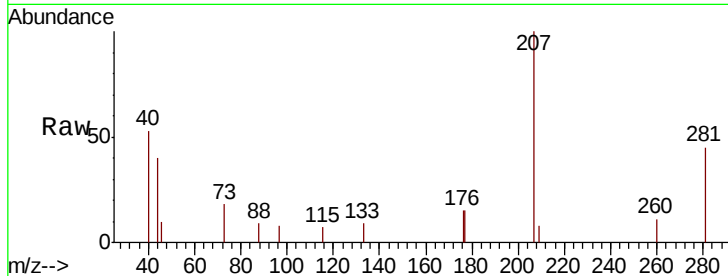
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

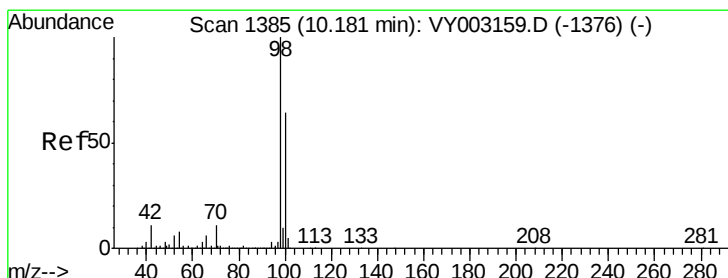
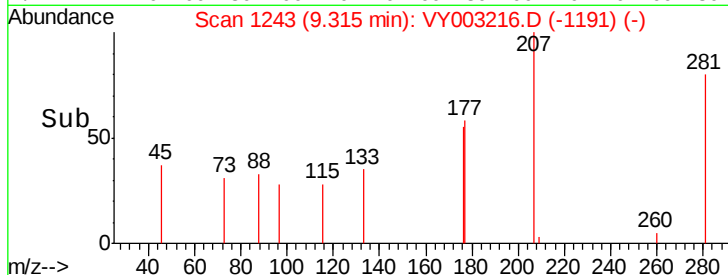
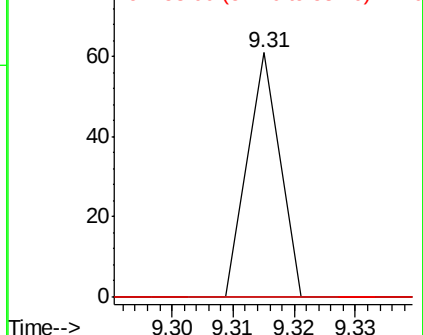
88 100

43 0.0 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: 59.427 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003216.D

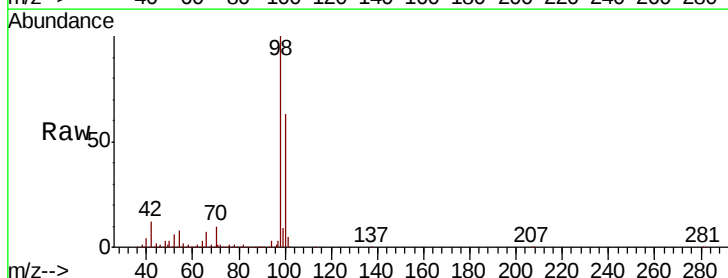
Acq: 16 Jul 2020 17:51

Tgt Ion: 98 Resp: 565380

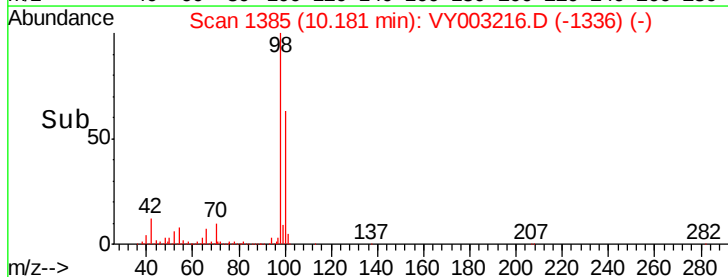
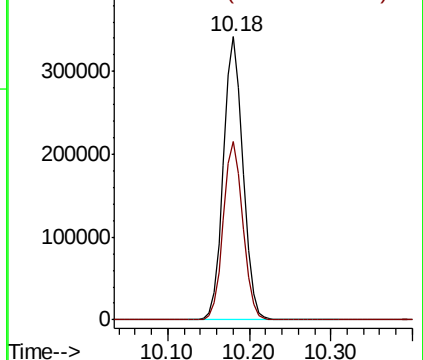
Ion Ratio Lower Upper

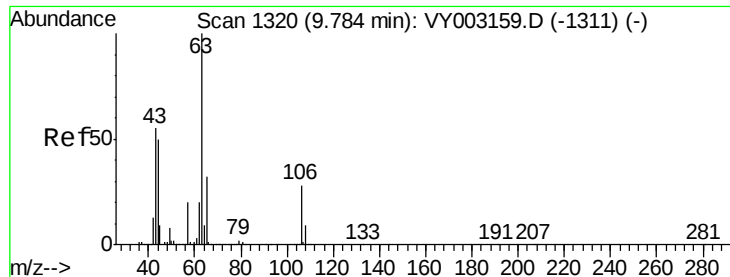
98 100

100 63.0 50.7 76.1



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

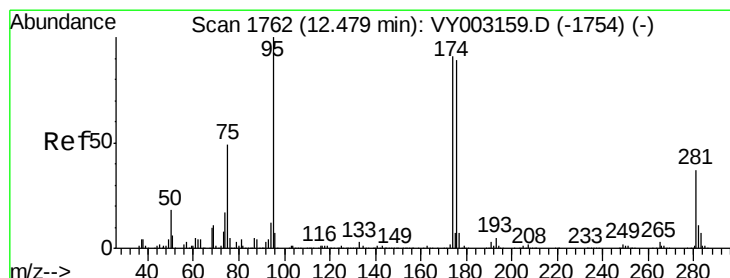
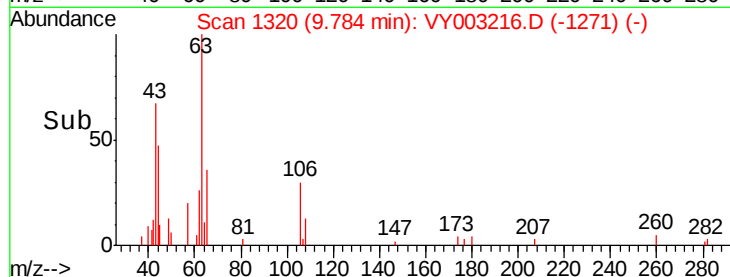
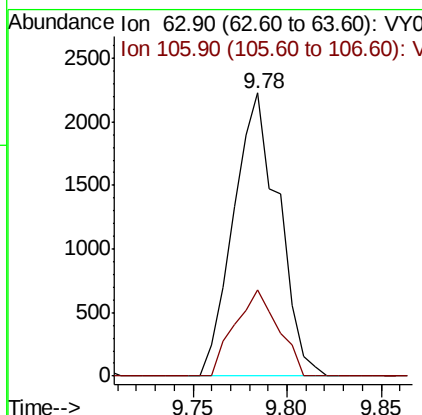
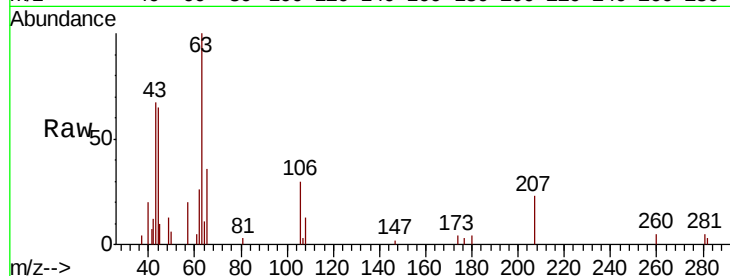




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.241 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003216.D
 Acq: 16 Jul 2020 17:51

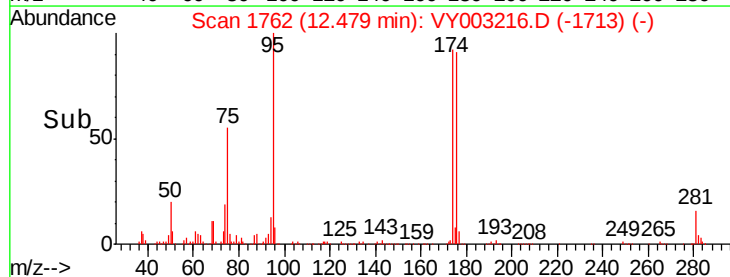
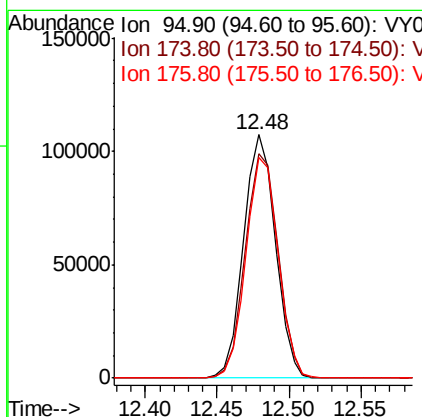
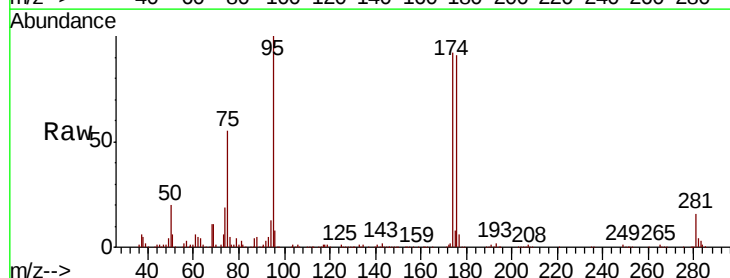
Instrument :
 MSVOA_Y
 ClientSampleId :
 9

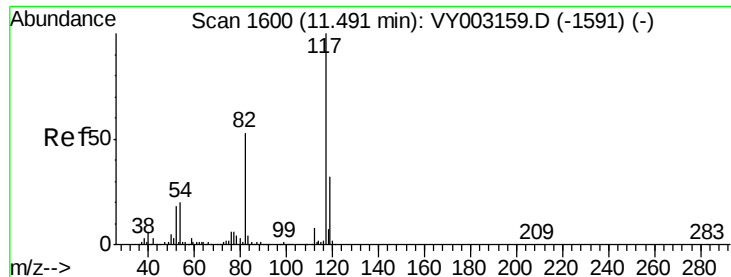
Tot Ion: 63 Resp: 3692
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.9 34.3



#62
 4-Bromofluorobenzene
 Concen: 47.883 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003216.D
 Acq: 16 Jul 2020 17:51

Tgt Ion: 95 Resp: 164573
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 190.6
 176 91.5 0.0 186.4

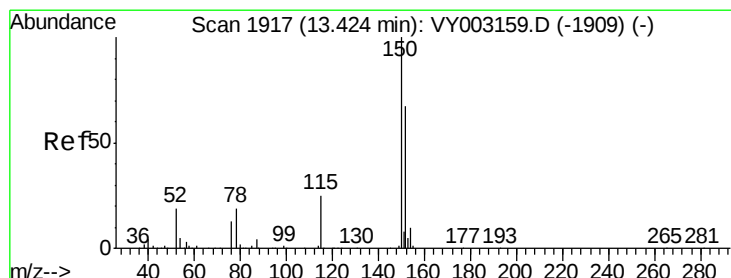
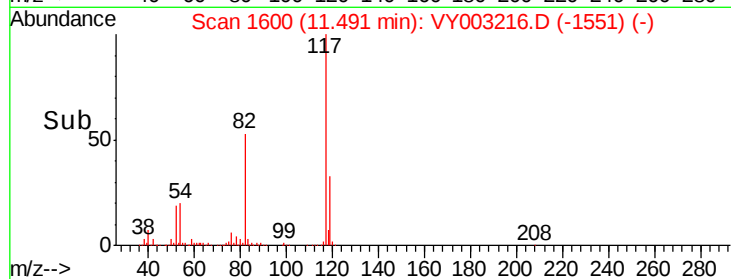
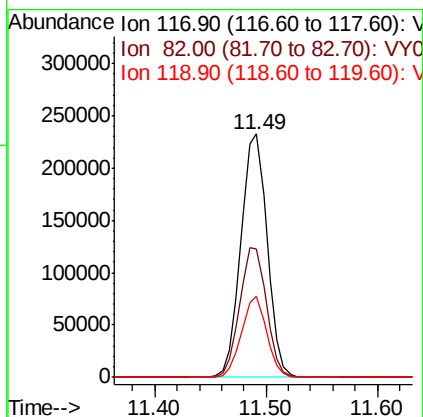
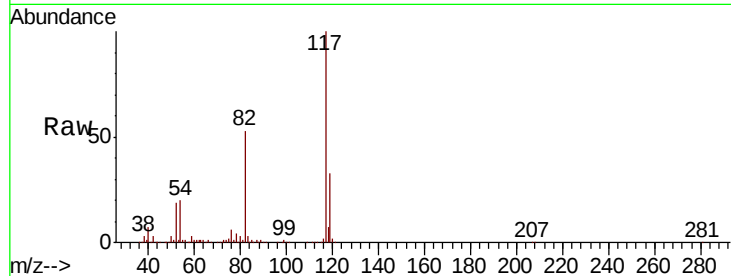




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

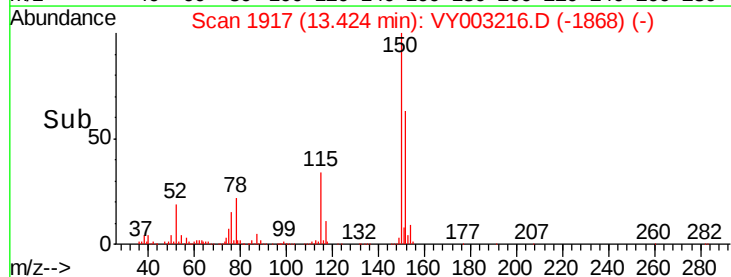
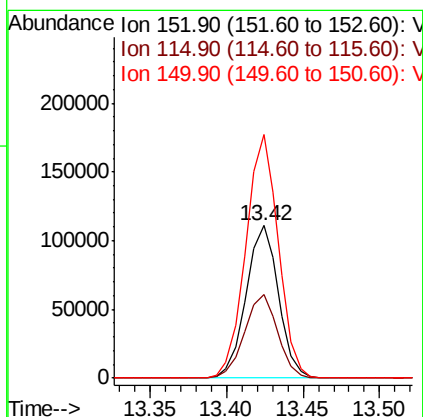
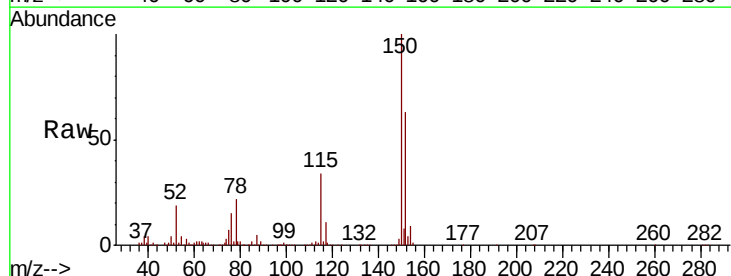
Instrument :
MSVOA_Y
ClientSampleId :
9

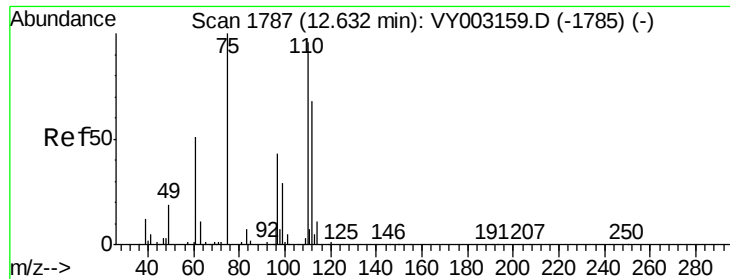
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.0	63.0
119	33.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003216.D
Acq: 16 Jul 2020 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	26.9	80.7
150	159.8	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 61.504 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003216.D

Acq: 16 Jul 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

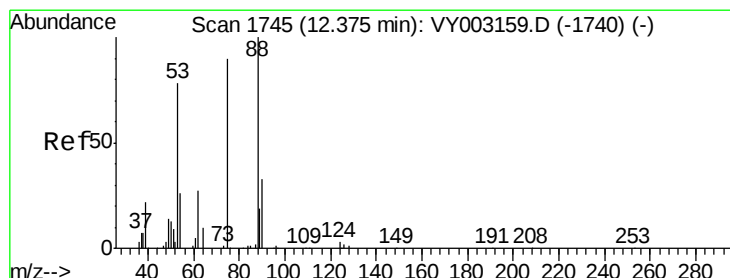
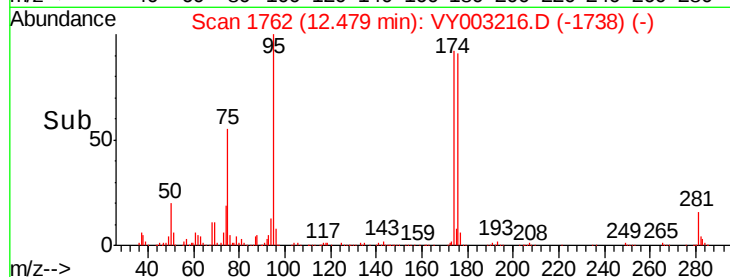
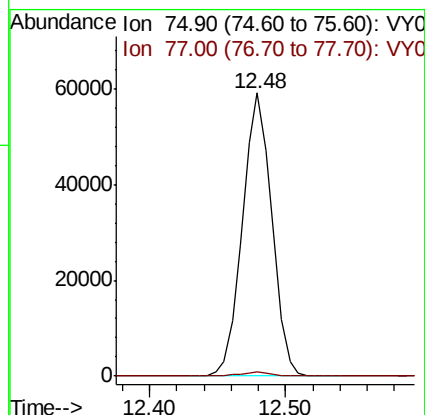
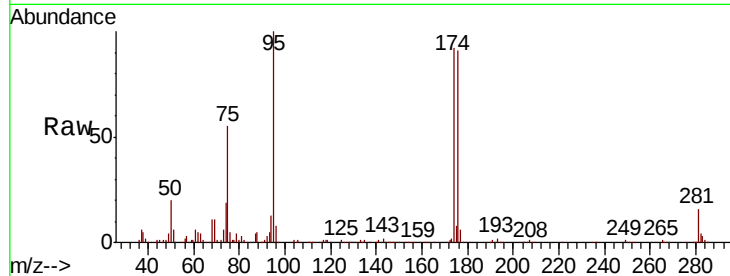
9

Tot Ion: 75 Resp: 89096

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.699 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003216.D

Acq: 16 Jul 2020 17:51

Tgt Ion: 75 Resp: 89096

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.3 37.3 55.9#

