

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003091.D
 Acq On : 02 Jul 2020 17:34
 Operator : SY/MD
 Sample : L3204-01
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WF-COMP

Quant Time: Jul 03 02:38:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	298281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	482596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	469399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	238901	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	168064	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	7.72	113	161296	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
50) Toluene-d8	10.18	98	586927	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.48	95	213915	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	

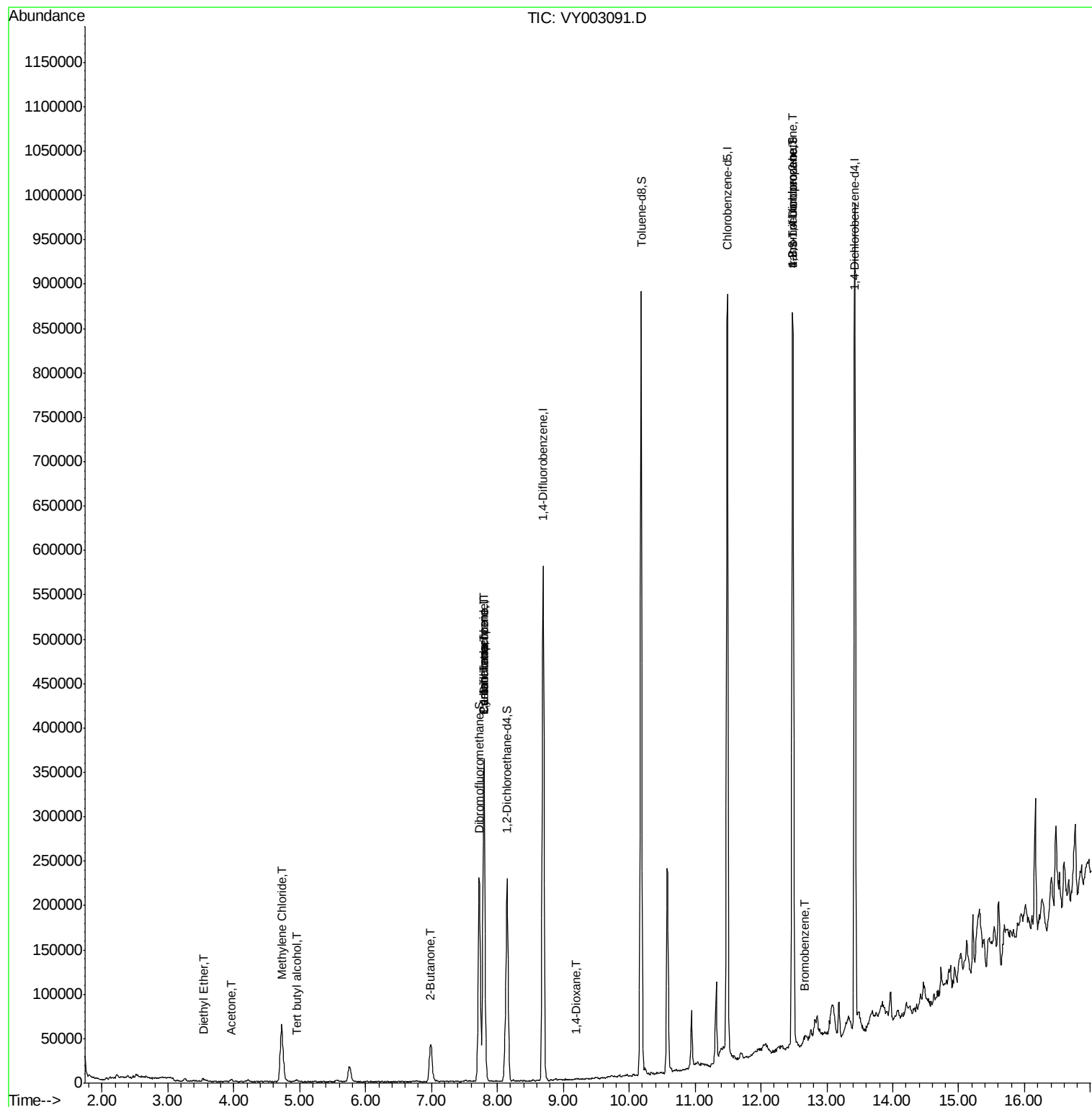
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	1585	1.015	ug/l	96
11) Tert butyl alcohol	4.96	59	4019	13.312	ug/l #	86
16) Acetone	3.96	43	4679	6.697	ug/l #	81
20) Methylene Chloride	4.72	84	47282	9.521	ug/l	96
25) 2-Butanone	6.99	43	2903	2.616	ug/l #	74
31) Cyclohexane	7.80	56	5800	1.113	ug/l #	14
36) 1,1-Dichloropropene	7.79	75	21462	4.617	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26669	5.514	ug/l #	17
49) 1,4-Dioxane	9.19	88	44	1.885	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	110543	46.753	ug/l #	100
77) Bromobenzene	12.67	156	6536	1.630	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	110543	90.962	ug/l #	12

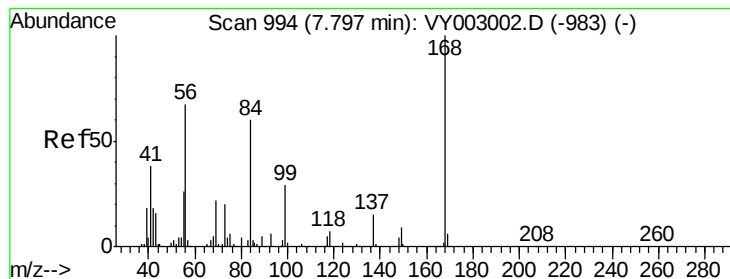
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
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: VY003091.D

Acq: 02 Jul 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

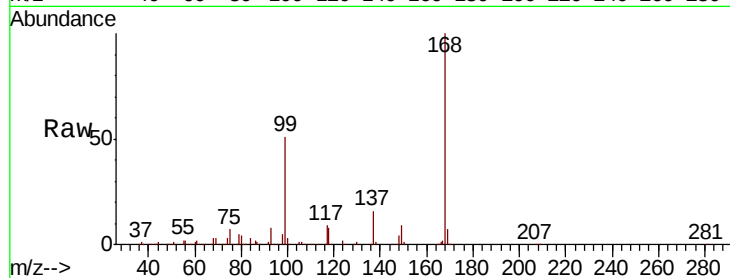
WF-COMP

Tot Ion:168 Resp: 298281

Ion Ratio Lower Upper

168 100

99 50.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

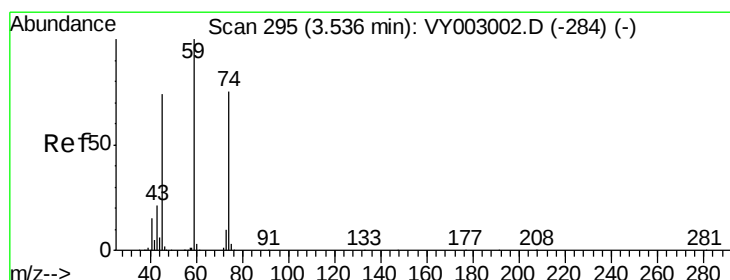
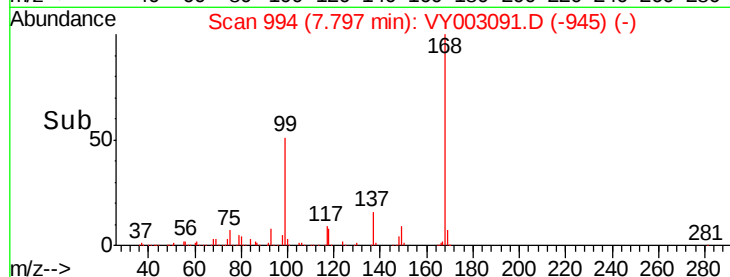
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.015 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003091.D

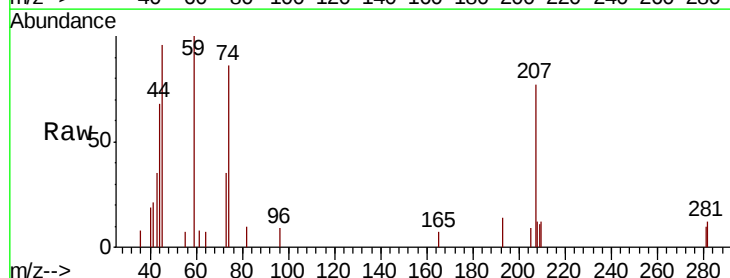
Acq: 02 Jul 2020 17:34

Tgt Ion: 74 Resp: 1585

Ion Ratio Lower Upper

74 100

45 102.7 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY003002.D (-284) (-)

Ion 45.00 (44.70 to 45.70): VY003002.D (-284) (-)

3.54

800

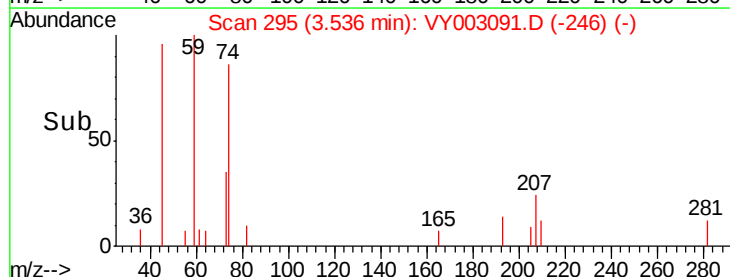
600

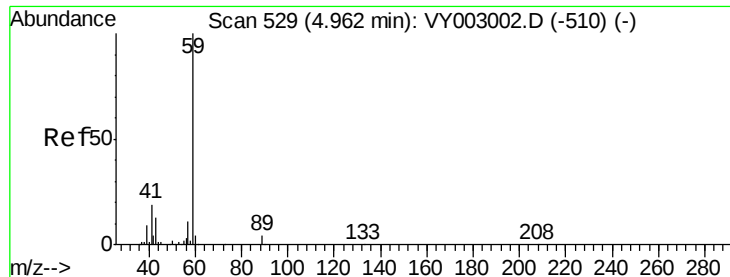
400

200

0

Time-->



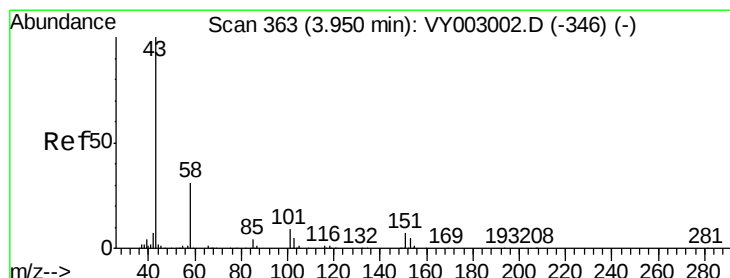
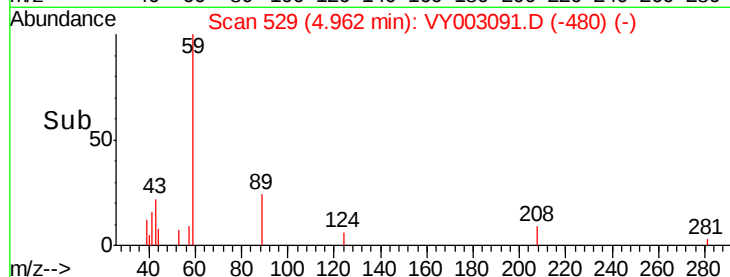
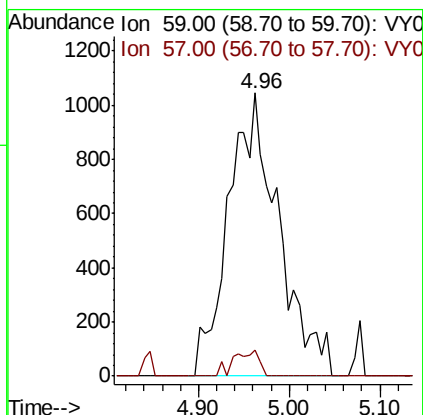
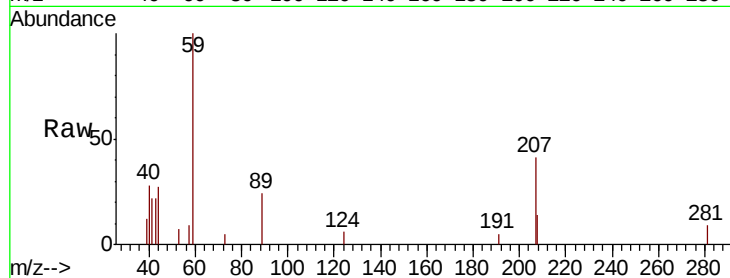


#11

Tert butyl alcohol
 Concen: 13.312 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY003091.D
 Acq: 02 Jul 2020 17:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 WF-COMP

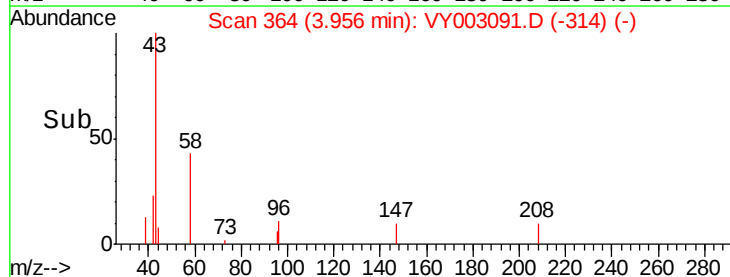
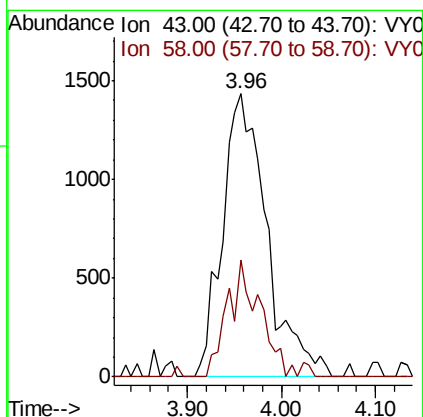
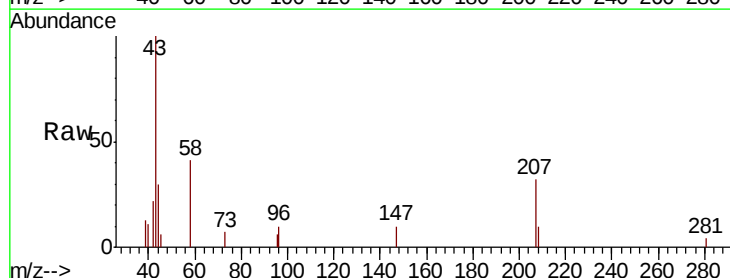
Tot Ion: 59 Resp: 4019
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.0 12.0#

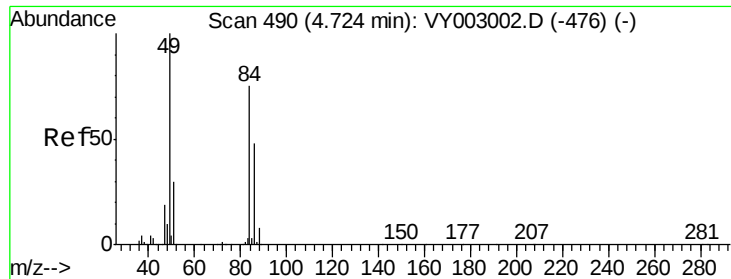


#16

Acetone
 Concen: 6.697 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003091.D
 Acq: 02 Jul 2020 17:34

Tgt Ion: 43 Resp: 4679
 Ion Ratio Lower Upper
 43 100
 58 41.4 24.7 37.1#

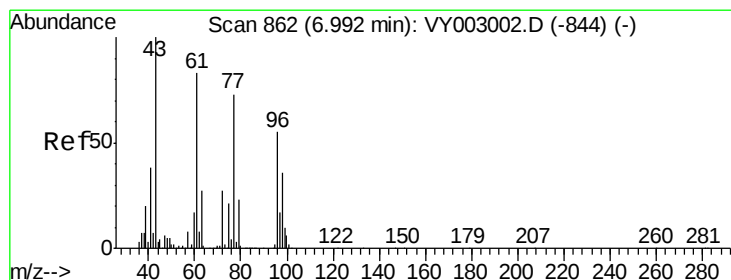
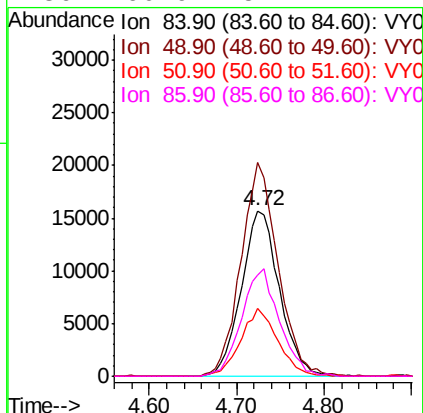
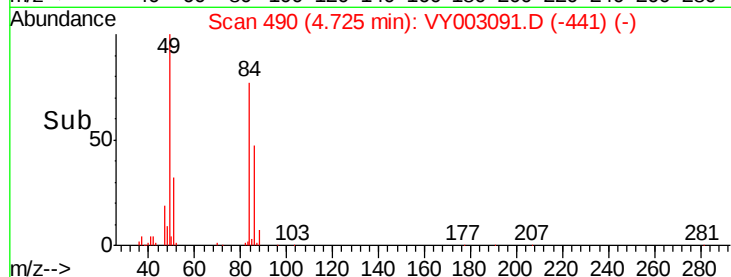
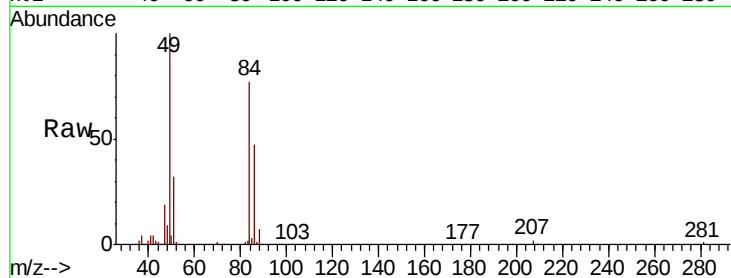




#20
Methylene Chloride
Concen: 9.521 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003091.D
Acq: 02 Jul 2020 17:34

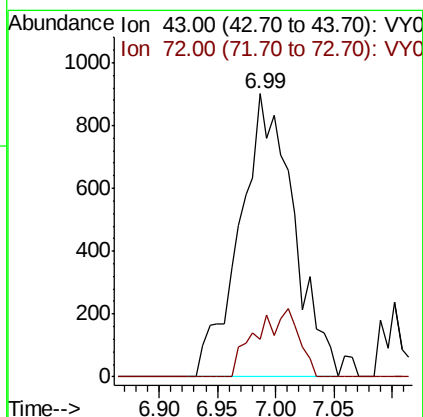
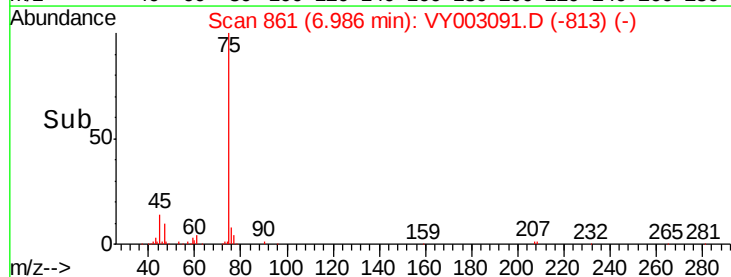
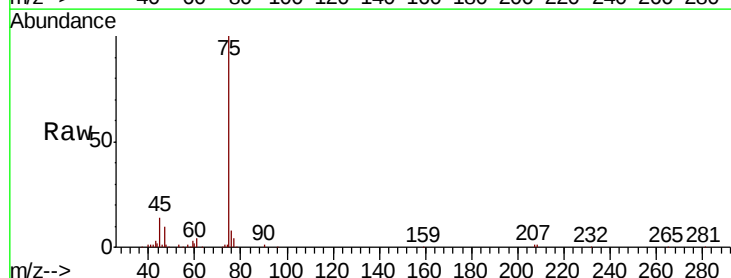
Instrument :
MSVOA_Y
ClientSampleId :
WF-COMP

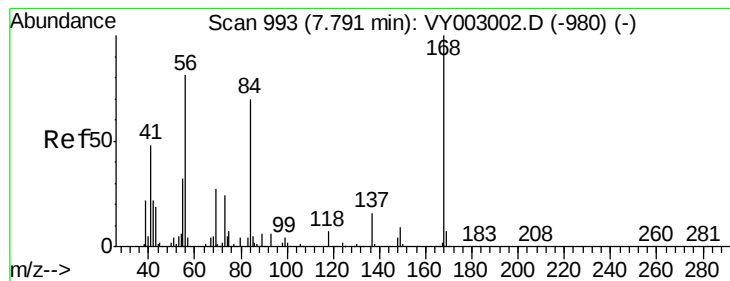
Tot Ion: 84 Resp: 47282
Ion Ratio Lower Upper
84 100
49 129.1 106.8 160.2
51 41.2 32.0 48.0
86 60.9 51.4 77.2



#25
2-Butanone
Concen: 2.616 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY003091.D
Acq: 02 Jul 2020 17:34

Tgt Ion: 43 Resp: 2903
Ion Ratio Lower Upper
43 100
72 13.3 21.4 32.0#





#31

Cyclohexane

Concen: 1.113 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003091.D

Acq: 02 Jul 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

WF-COMP

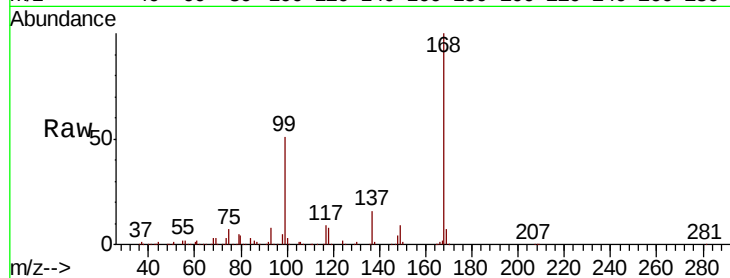
Tot Ion: 56 Resp: 5800

Ion Ratio Lower Upper

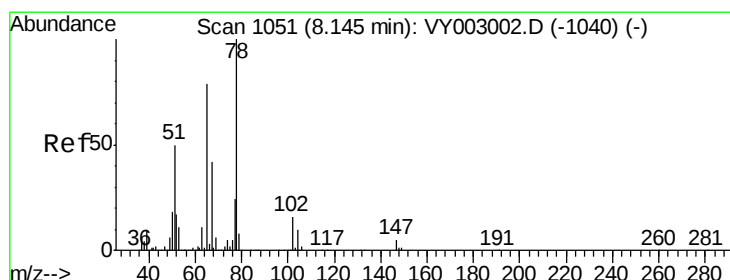
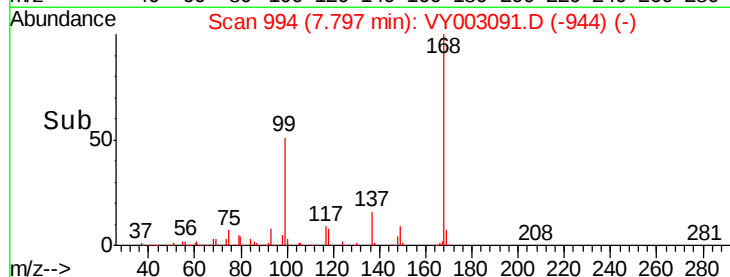
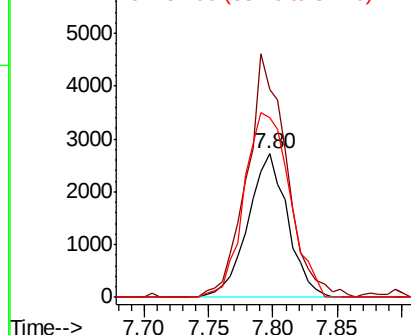
56 100

69 144.2 27.0 40.4#

84 125.3 68.1 102.1#



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: 56.730 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003091.D

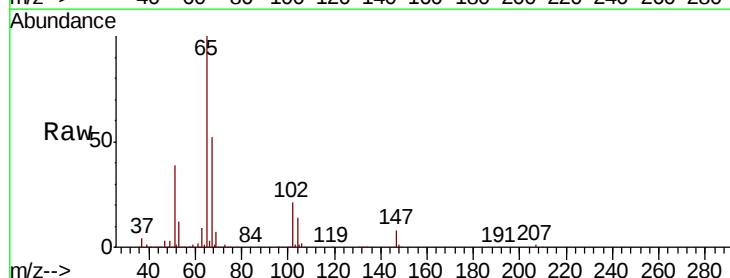
Acq: 02 Jul 2020 17:34

Tgt Ion: 65 Resp: 168064

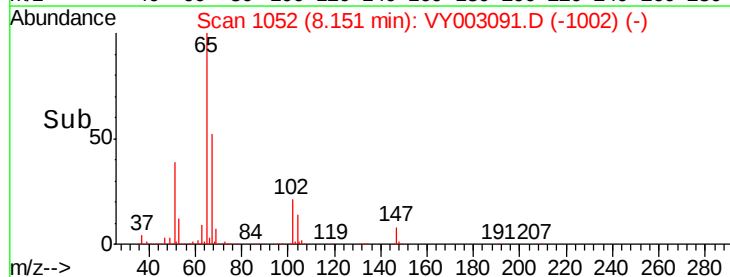
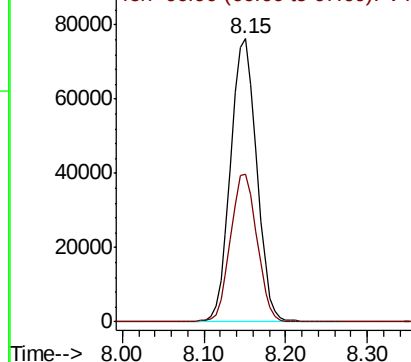
Ion Ratio Lower Upper

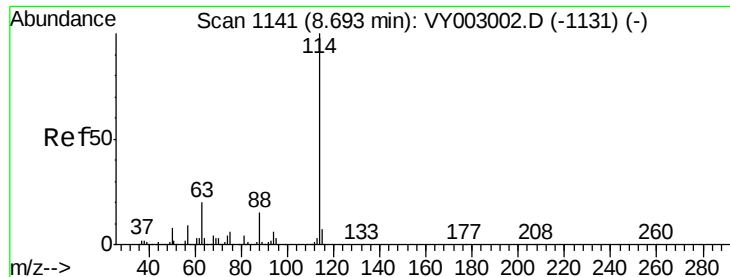
65 100

67 53.1 0.0 105.6



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: VY003091.D

Acq: 02 Jul 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

WF-COMP

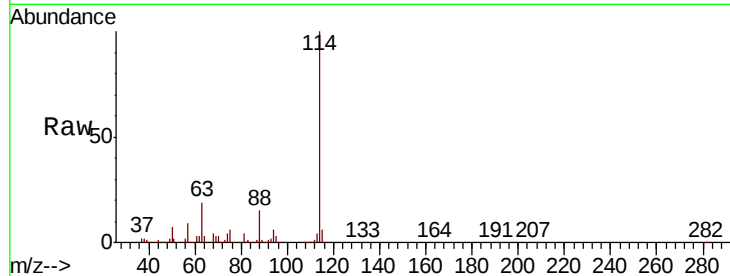
Tot Ion:114 Resp: 482596

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

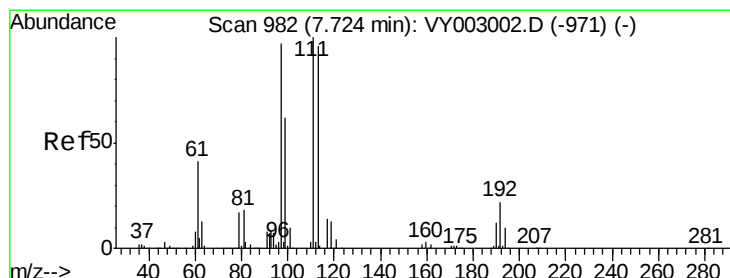
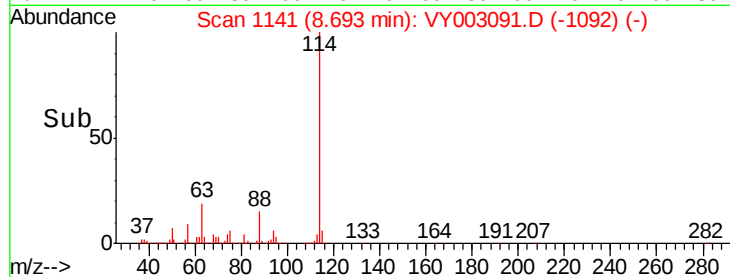
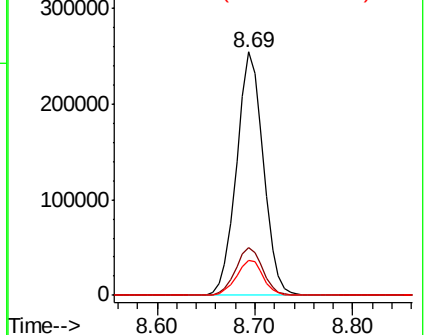
88 14.5 0.0 30.0



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: 53.578 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003091.D

Acq: 02 Jul 2020 17:34

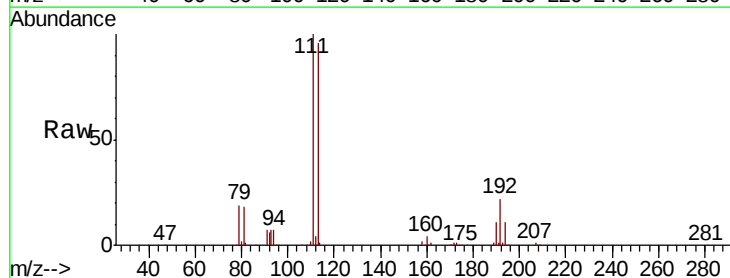
Tgt Ion:113 Resp: 161296

Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

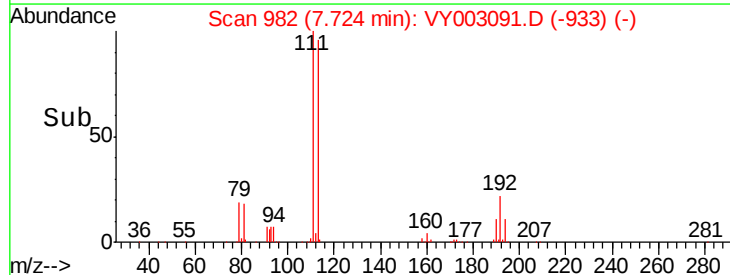
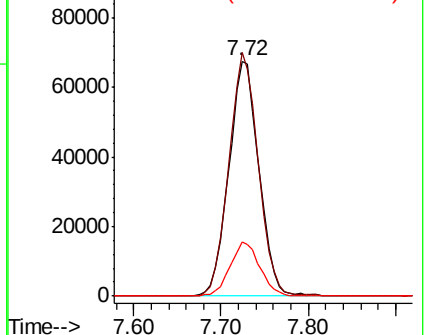
192 22.8 18.1 27.1

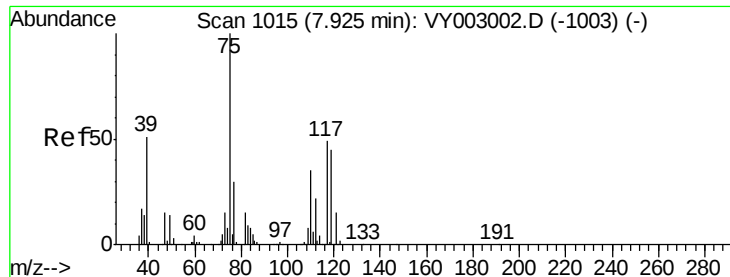


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.617 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003091.D

Acq: 02 Jul 2020 17:34

Instrument :

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ClientSampleId :

WF-COMP

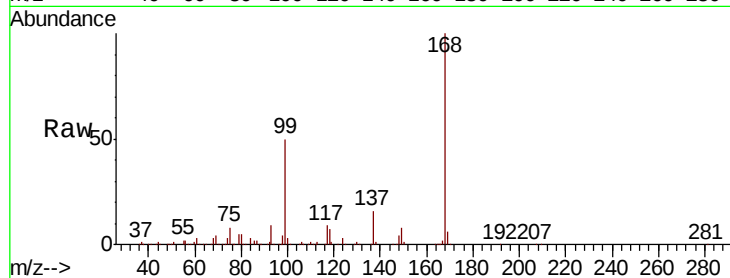
Tot Ion: 75 Resp: 21462

Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.2#

77 0.1 24.9 37.3#

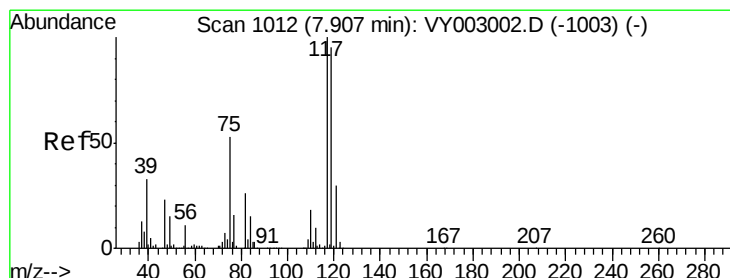
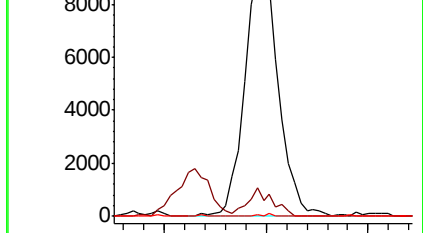
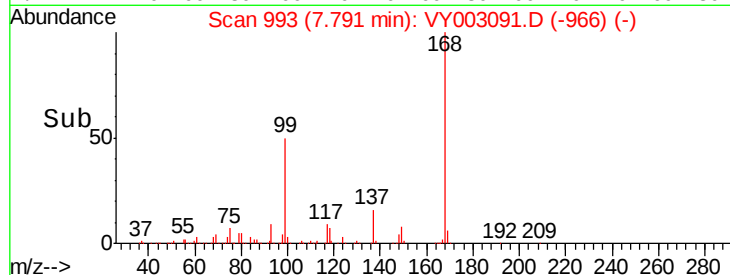


Abundance Ion 74.90 (74.60 to 75.60): VY003091.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003091.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003091.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.514 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003091.D

Acq: 02 Jul 2020 17:34

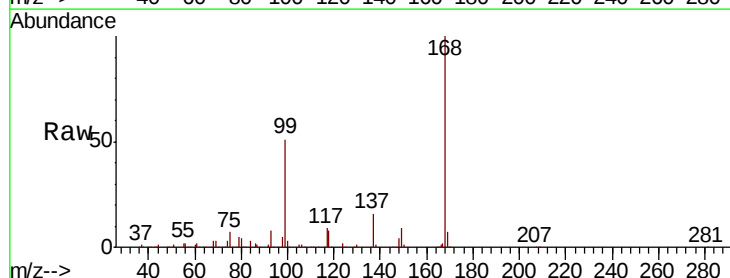
Tgt Ion: 117 Resp: 26669

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

121 0.0 23.9 35.9#

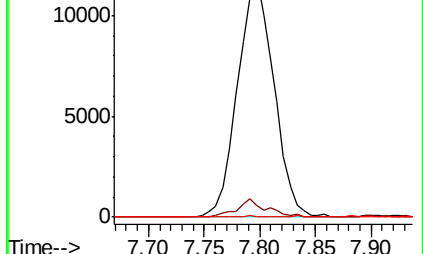
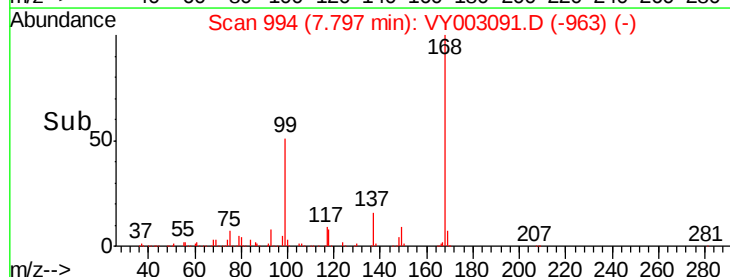


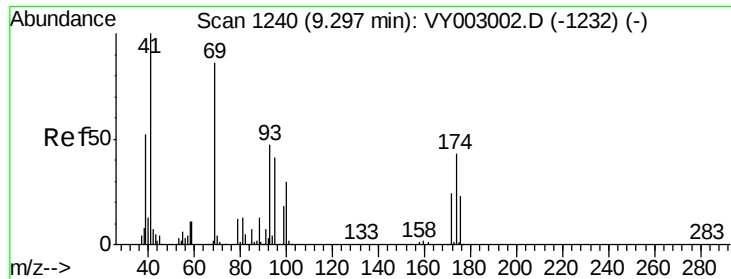
Abundance Ion 116.80 (116.50 to 117.50): VY003091.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003091.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003091.D (-963) (-)

Time-->





#49

1,4-Dioxane

Concen: 1.885 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.10 min

Lab File: VY003091.D

Acq: 02 Jul 2020 17:34

Instrument :

MSVOA_Y

ClientSampled :

WF-COMP

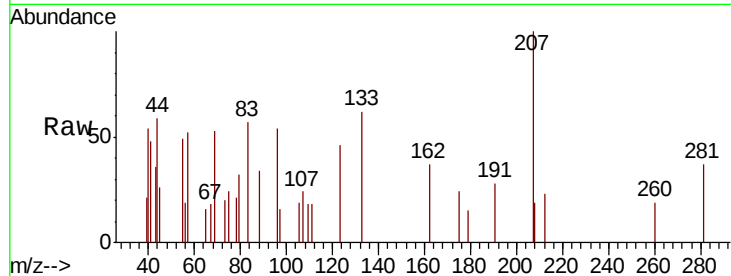
Tot Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 615.9 28.6 42.8#

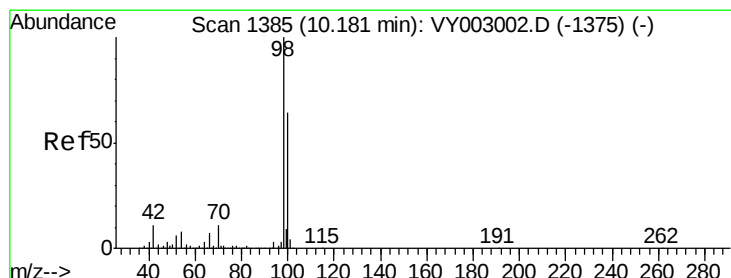
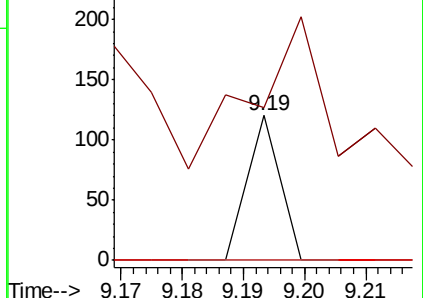
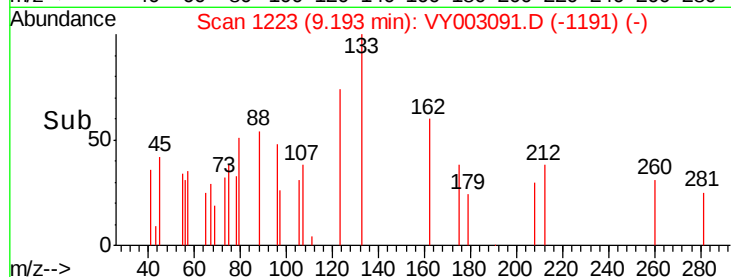
58 0.0 56.7 85.1#



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: 52.332 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003091.D

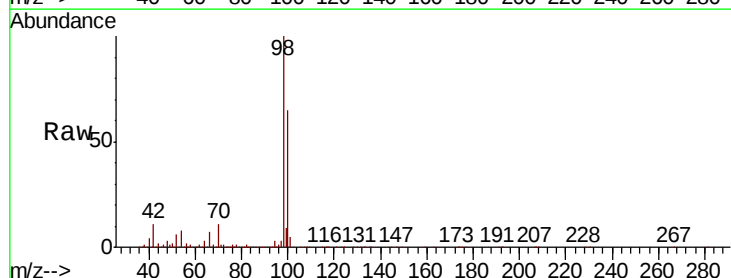
Acq: 02 Jul 2020 17:34

Tgt Ion: 98 Resp: 586927

Ion Ratio Lower Upper

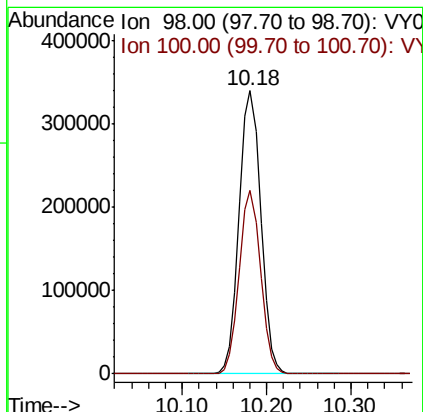
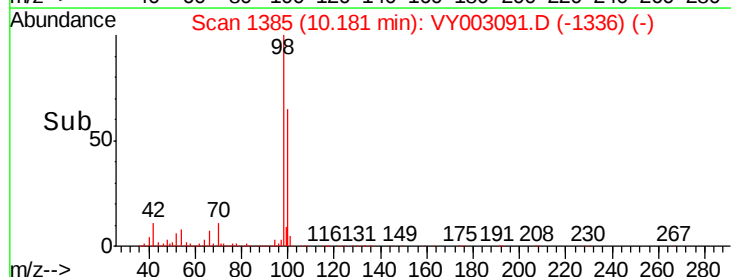
98 100

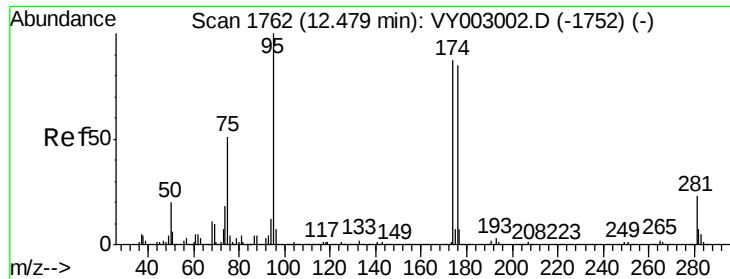
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

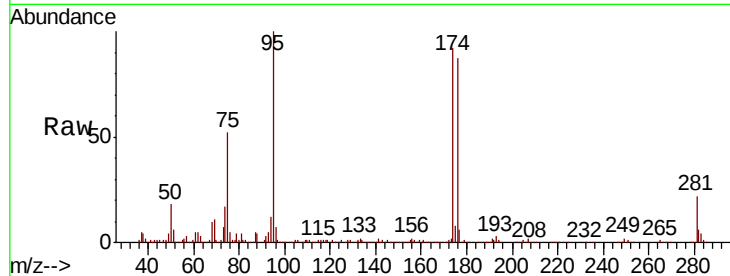




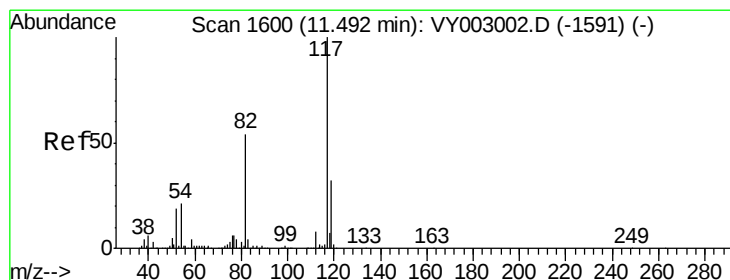
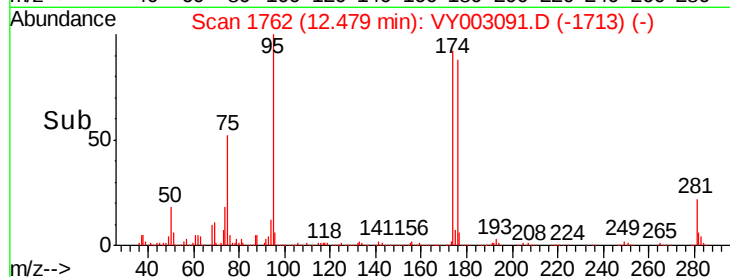
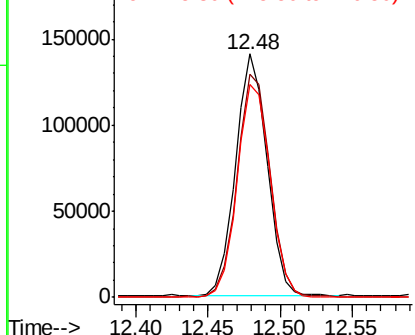
#62
4-Bromofluorobenzene
Concen: 54.185 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003091.D
Acq: 02 Jul 2020 17:34

Instrument :
MSVOA_Y
ClientSampleId :
WF-COMP

Tot Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	184.8
176	91.9	0.0	183.0

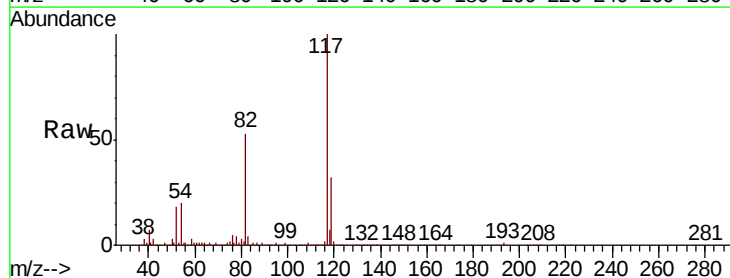


Abundance Ion 94.90 (94.60 to 95.60): VY003002.D (-1752) (-)
Ion 173.80 (173.50 to 174.50): VY003002.D (-1752) (-)
Ion 175.80 (175.50 to 176.50): VY003002.D (-1752) (-)

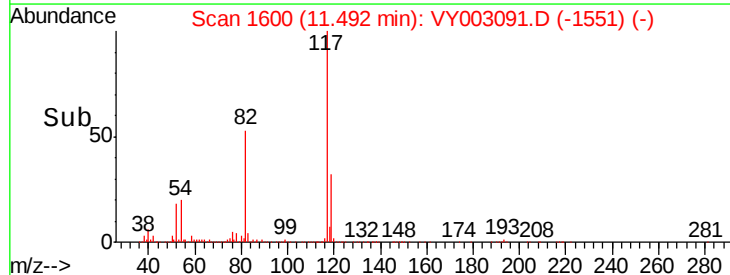
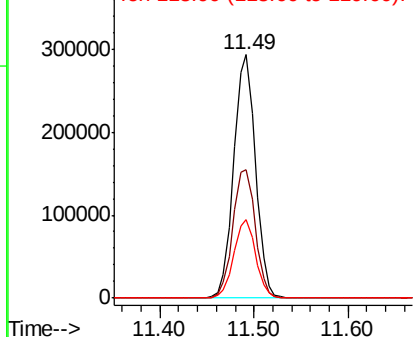


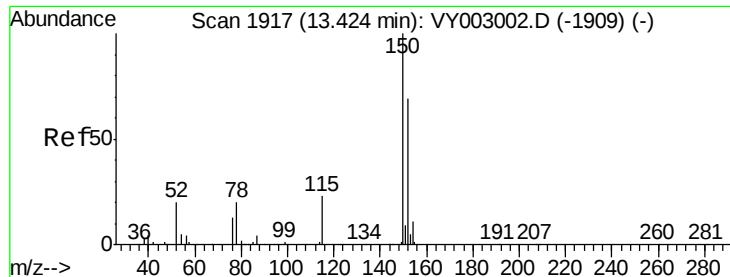
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003091.D
Acq: 02 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.6
119	32.3	25.8	38.8



Abundance Ion 116.90 (116.60 to 117.60): VY003002.D (-1591) (-)
Ion 82.00 (81.70 to 82.70): VY003002.D (-1591) (-)
Ion 118.90 (118.60 to 119.60): VY003002.D (-1591) (-)



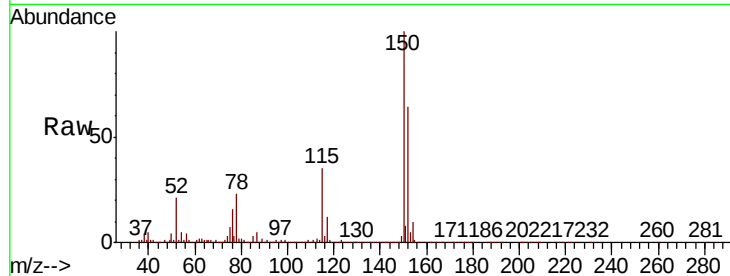


#72

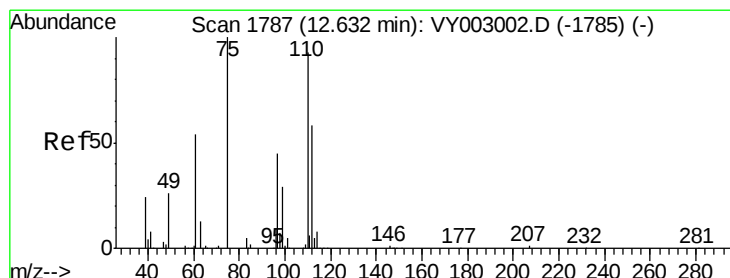
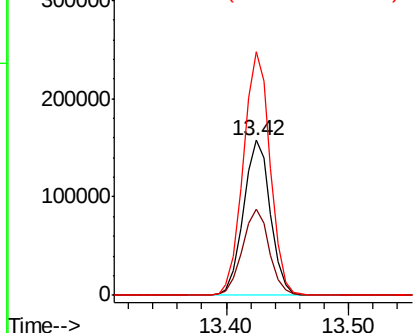
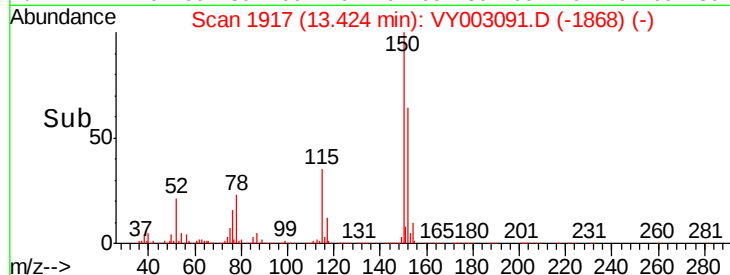
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003091.D
Acq: 02 Jul 2020 17:34

Instrument :
MSVOA_Y
ClientSampleId :
WF-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.3	81.9
150	157.2	0.0	343.4



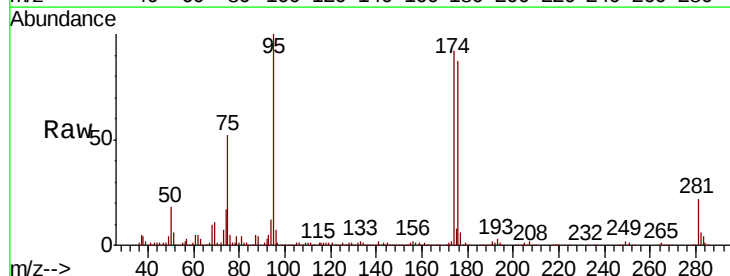
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



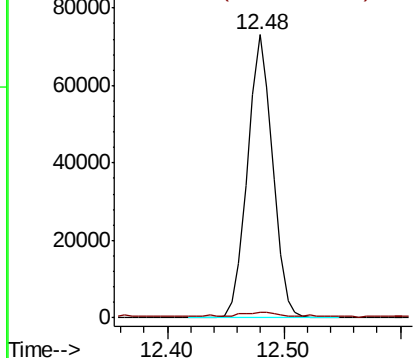
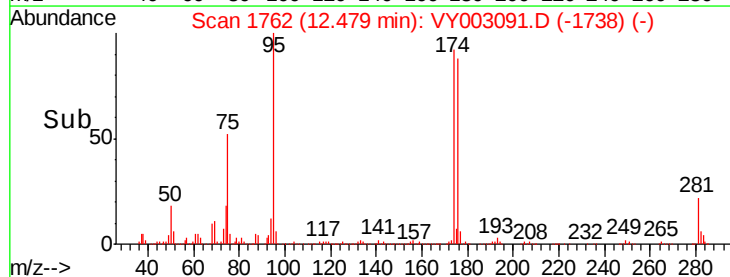
#76

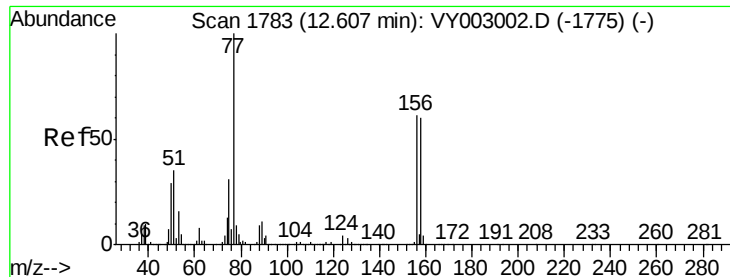
1,2,3-Trichloropropane
Concen: 46.753 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003091.D
Acq: 02 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.630 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.06 min

Lab File: VY003091.D

Acq: 02 Jul 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

WF-COMP

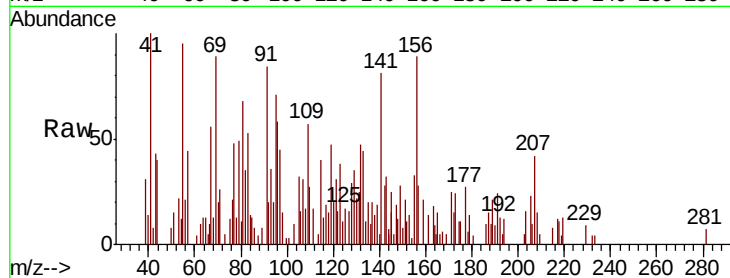
Tot Ion:156 Resp: 6536

Ion Ratio Lower Upper

156 100

77 0.0 90.0 270.0#

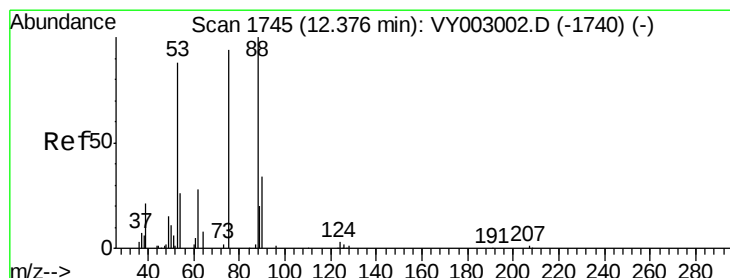
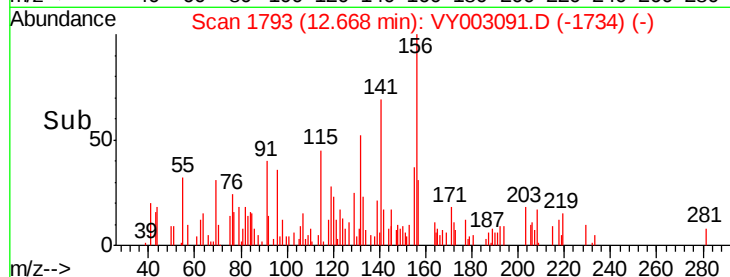
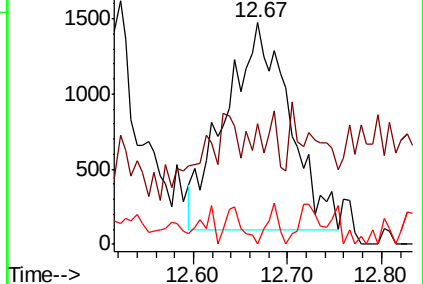
158 3.5 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 90.962 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003091.D

Acq: 02 Jul 2020 17:34

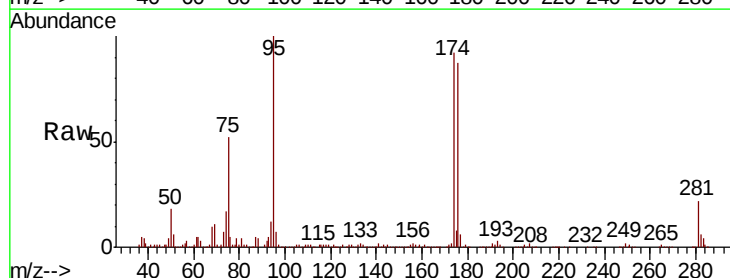
Tgt Ion: 75 Resp: 110543

Ion Ratio Lower Upper

75 100

53 0.4 73.9 110.9#

89 0.0 37.5 56.3#



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

