

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
 Data File : VY002831.D
 Acq On : 03 Jun 2020 14:28
 Operator : SY/MD
 Sample : L2871-01
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WARREN-TP

Quant Time: Jun 03 16:57:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	338426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	549015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	518415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	262727	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	169053	57.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.06%	
35) Dibromofluoromethane	7.72	113	173809	54.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.04%	
50) Toluene-d8	10.18	98	641161	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.48	95	227803	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	

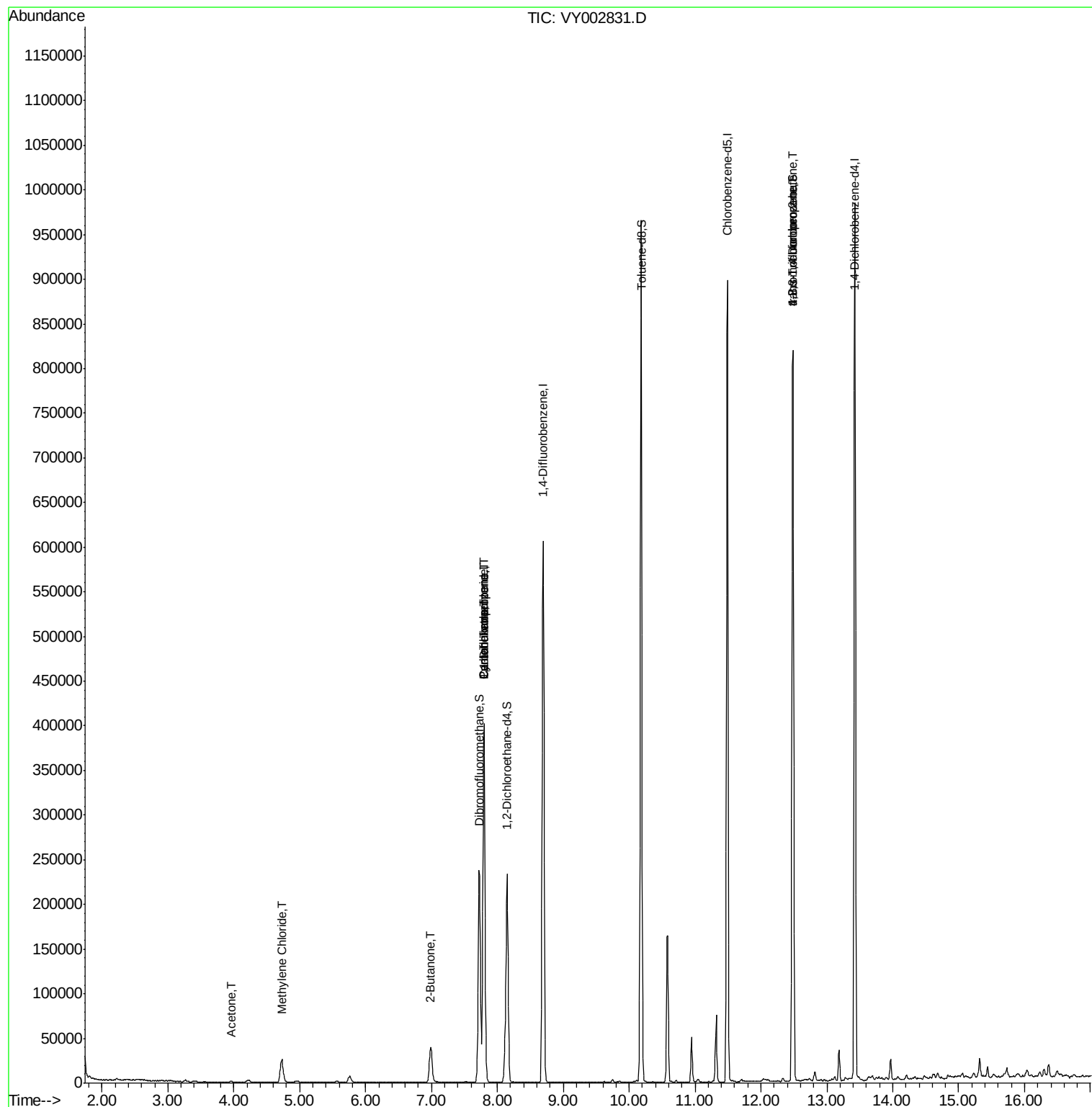
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	1507	Below Cal	#	74
16) Acetone	3.96	43	1748	2.54	ug/l #	85
18) Methyl Acetate	4.50	43	548	Below Cal	#	48
20) Methylene Chloride	4.73	84	20488	6.08	ug/l	97
25) 2-Butanone	6.99	43	2127	1.98	ug/l #	65
31) Cyclohexane	7.80	56	5117	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20717	4.48	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28915	5.63	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	108140	45.68	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	108140	86.06	ug/l #	17

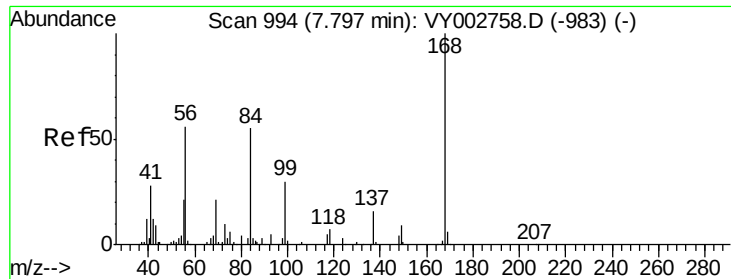
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002831.D

Acq: 03 Jun 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

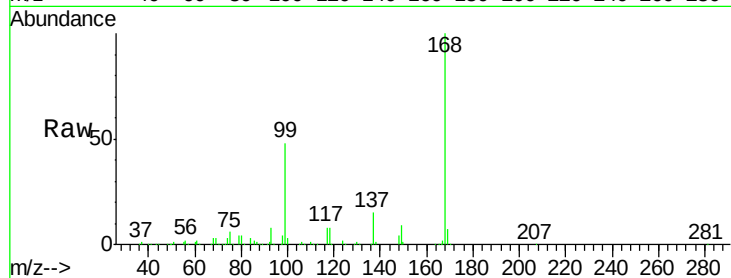
WARREN-TP

Tgt Ion:168 Resp: 338426

Ion Ratio Lower Upper

168 100

99 48.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002831.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002831.D (-945) (-)

7.80

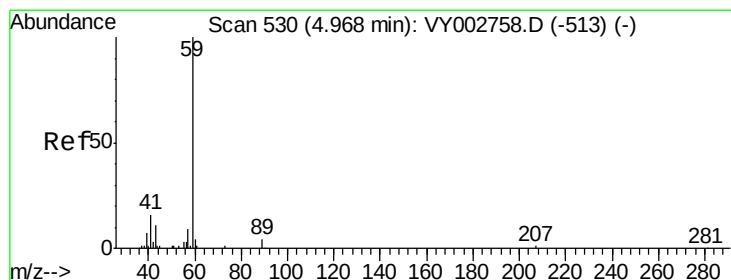
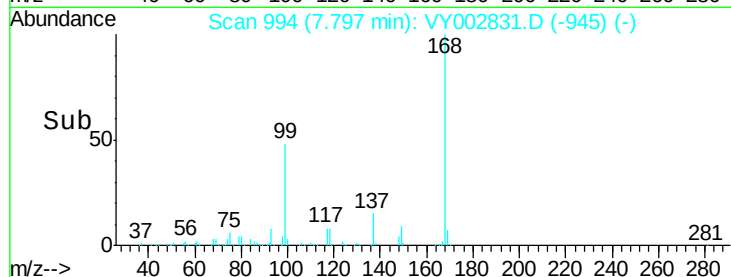
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002831.D

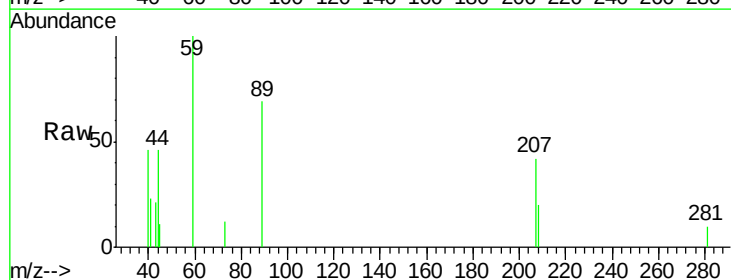
Acq: 03 Jun 2020 14:28

Tgt Ion: 59 Resp: 1507

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002831.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002831.D (-481) (-)

4.95

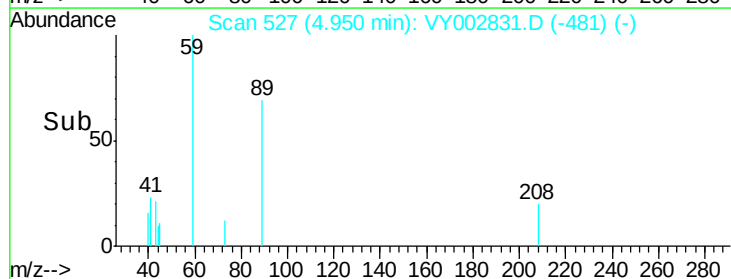
600

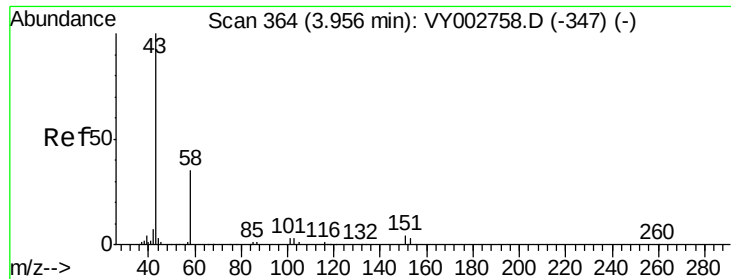
400

200

0

Time-->





#16

Acetone

Concen: 2.54 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002831.D

Acq: 03 Jun 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

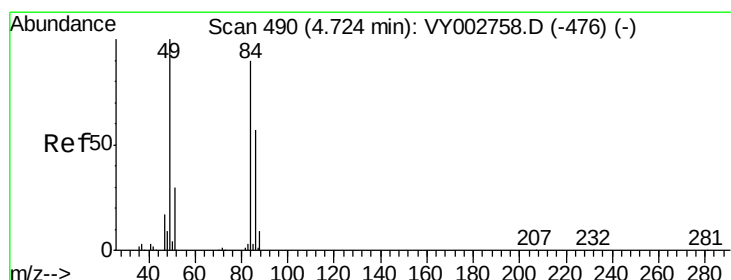
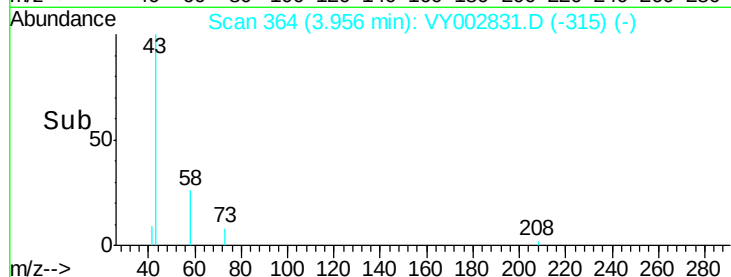
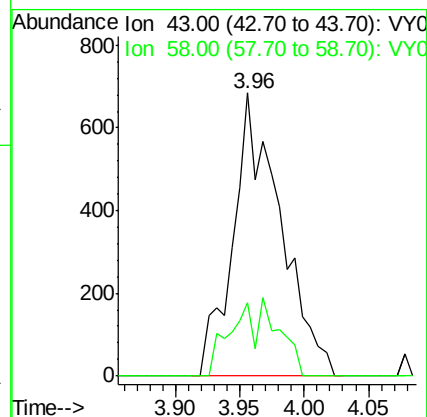
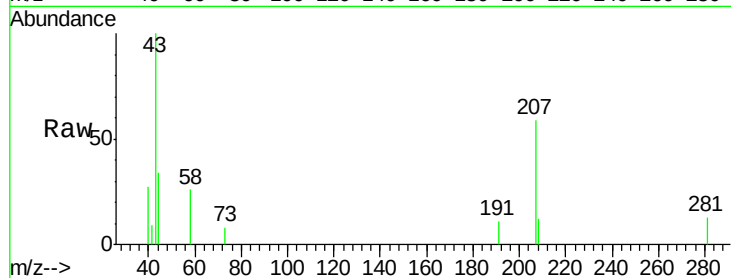
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Tgt Ion: 43 Resp: 1748

Ion Ratio Lower Upper

43 100

58 25.9 27.7 41.5#



#20

Methylene Chloride

Concen: 6.08 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002831.D

Acq: 03 Jun 2020 14:28

Tgt Ion: 84 Resp: 20488

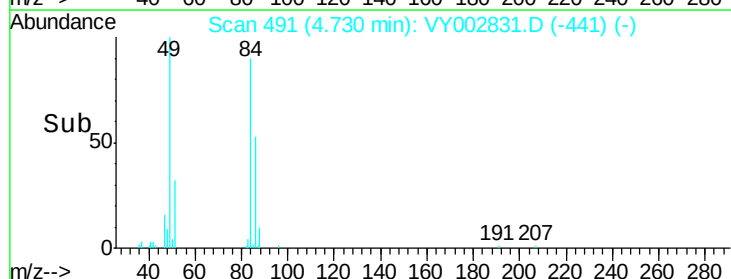
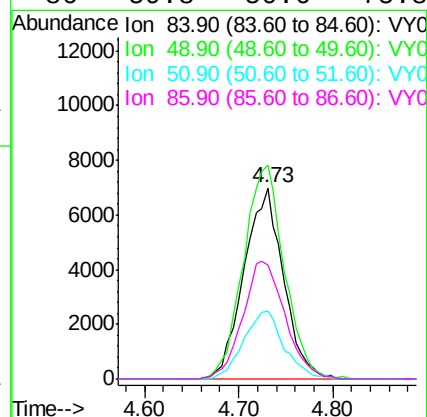
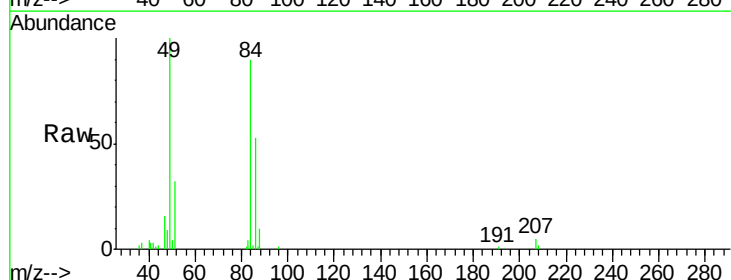
Ion Ratio Lower Upper

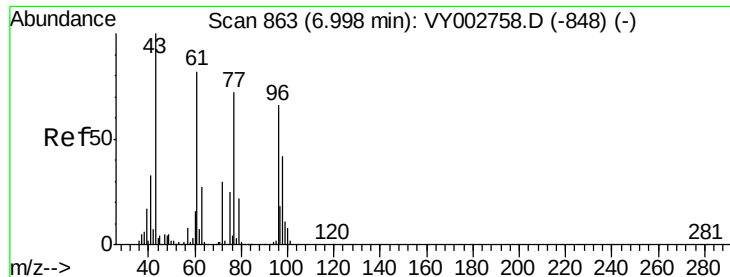
84 100

49 111.7 88.5 132.7

51 35.7 26.8 40.2

86 59.8 50.6 75.8

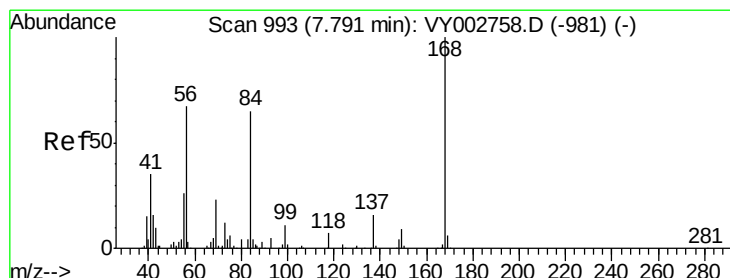
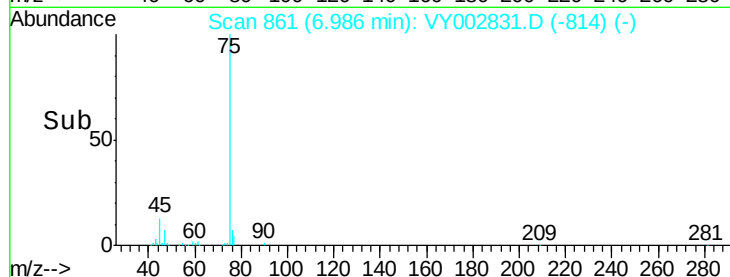
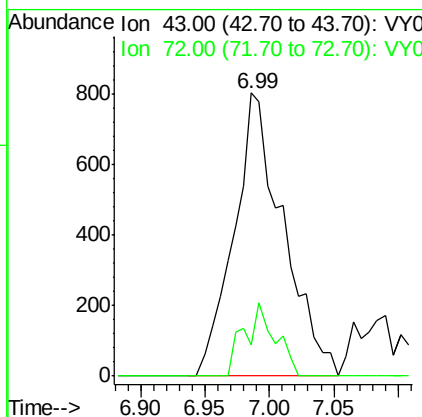
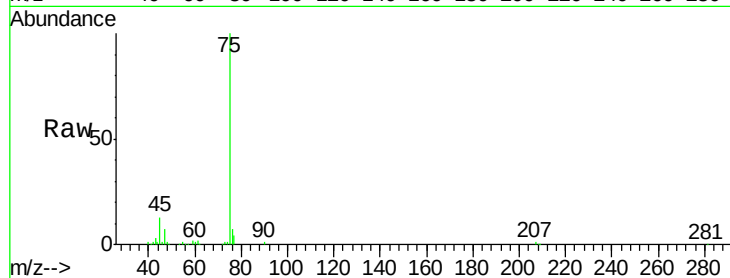




#25
 2-Butanone
 Concen: 1.98 ug/l
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY002831.D
 Acq: 03 Jun 2020 14:28

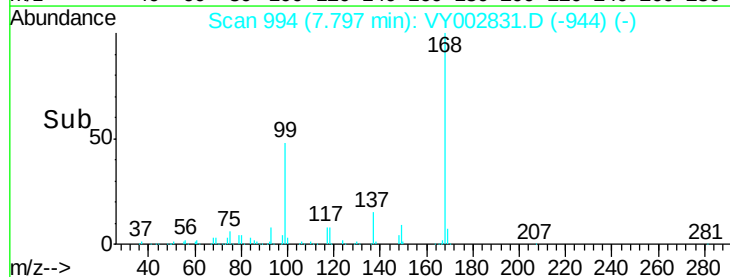
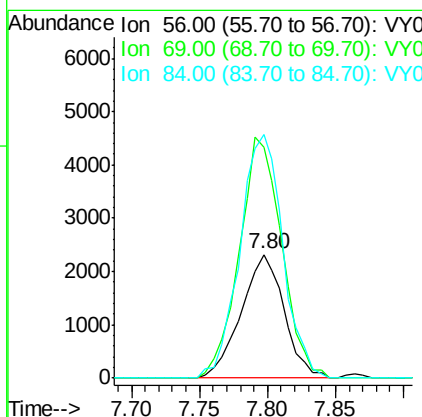
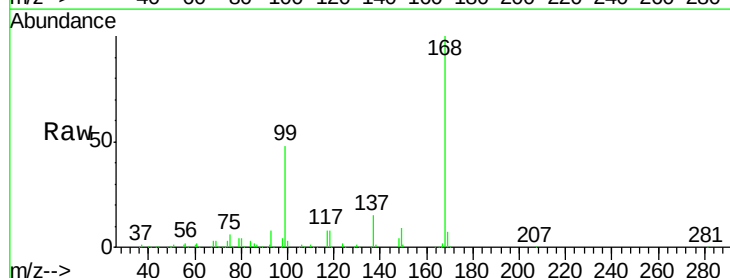
Instrument :
 MSVOA_Y
 ClientSampleId :
 WARREN-TP

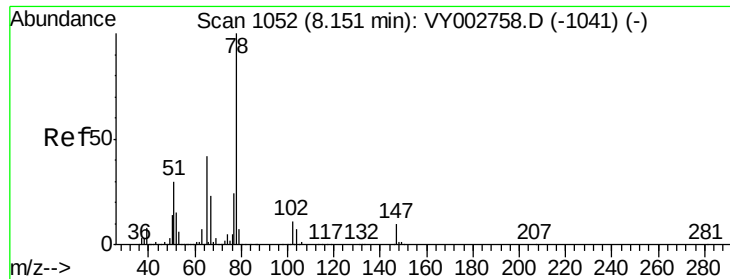
Tgt Ion: 43 Resp: 2127
 Ion Ratio Lower Upper
 43 100
 72 11.1 23.9 35.9#



#31
 Cyclohexane
 Concen: 1.03 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VY002831.D
 Acq: 03 Jun 2020 14:28

Tgt Ion: 56 Resp: 5117
 Ion Ratio Lower Upper
 56 100
 69 186.5 28.0 42.0#
 84 196.6 77.7 116.5#

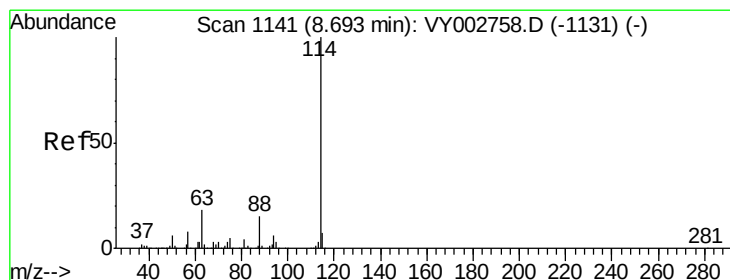
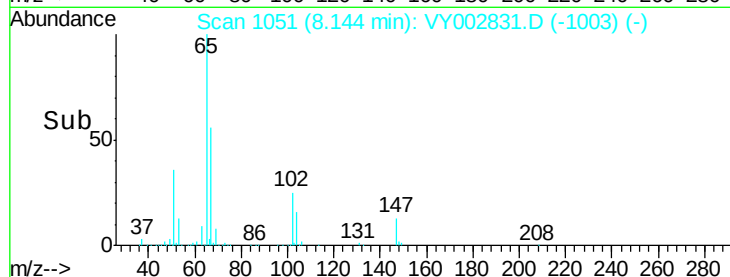
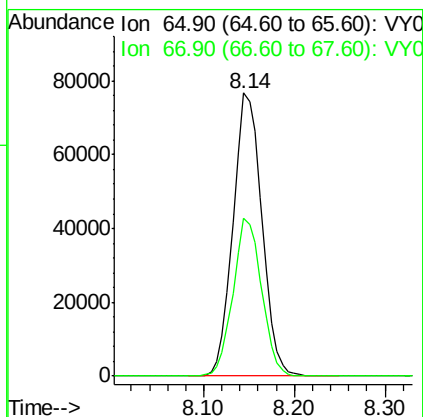
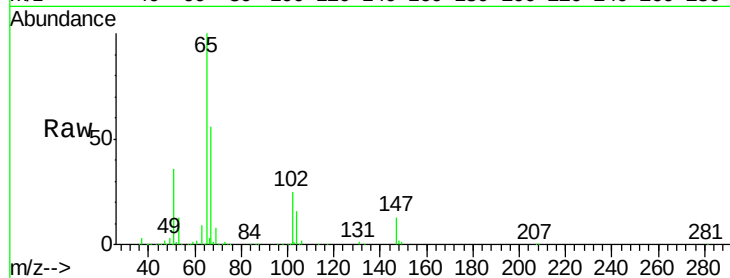




#33
 1,2-Dichloroethane-d4
 Concen: 57.53 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002831.D
 Acq: 03 Jun 2020 14:28

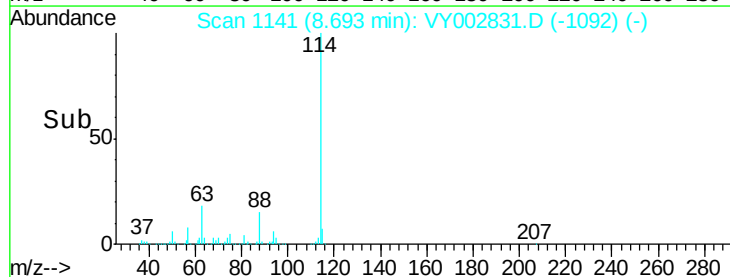
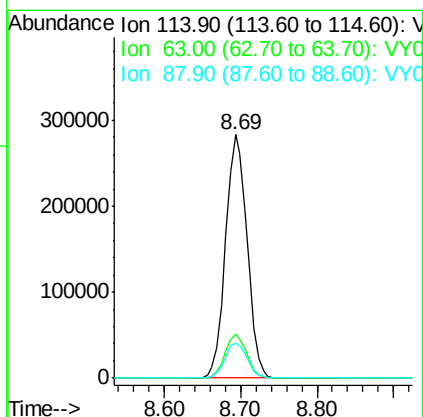
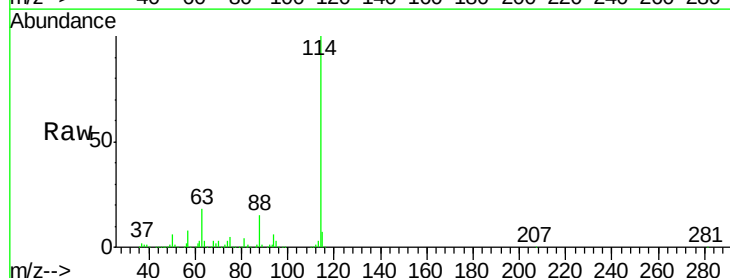
Instrument :
 MSVOA_Y
 ClientSampleId :
 WARREN-TP

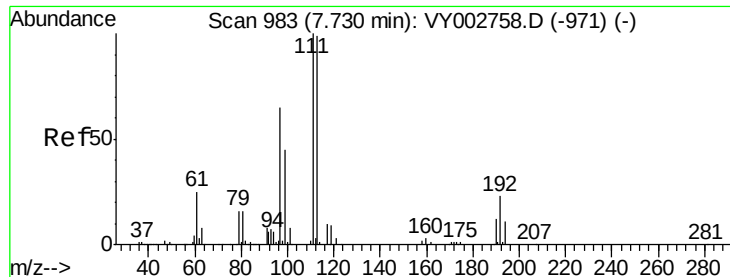
Tgt Ion: 65 Resp: 169053
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002831.D
 Acq: 03 Jun 2020 14:28

Tgt Ion: 114 Resp: 549015
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.6 0.0 29.2

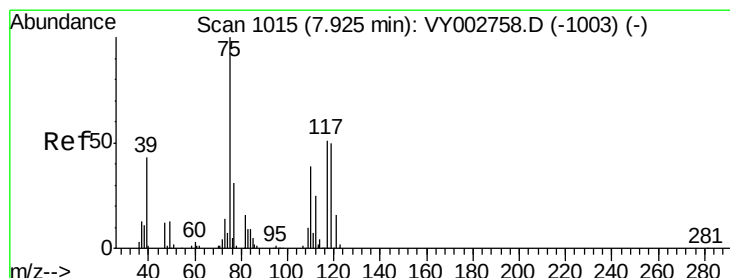
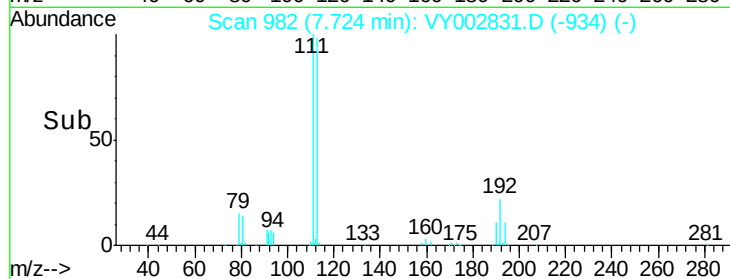
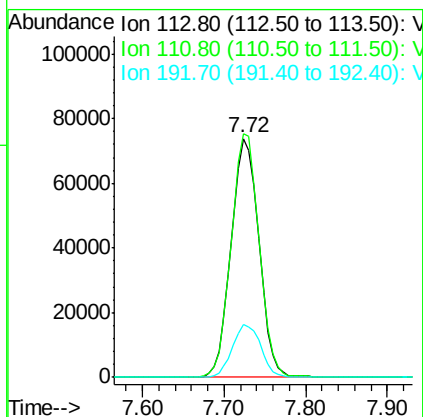
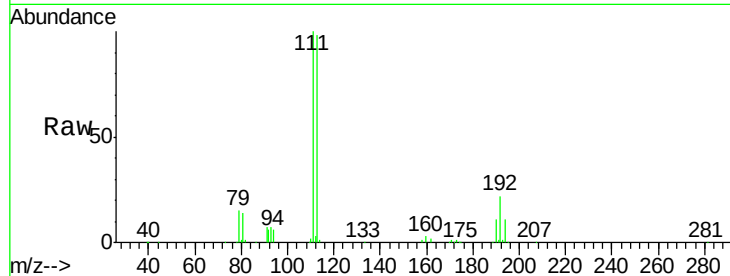




#35
 Dibromofluoromethane
 Concen: 54.02 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002831.D
 Acq: 03 Jun 2020 14:28

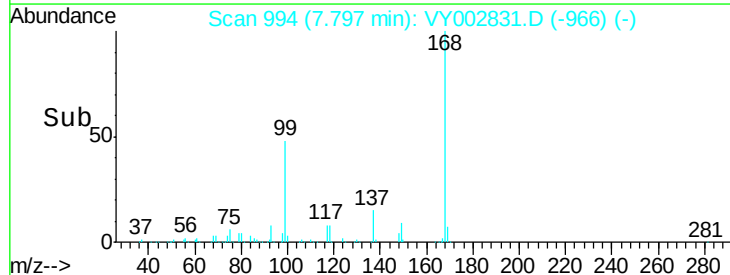
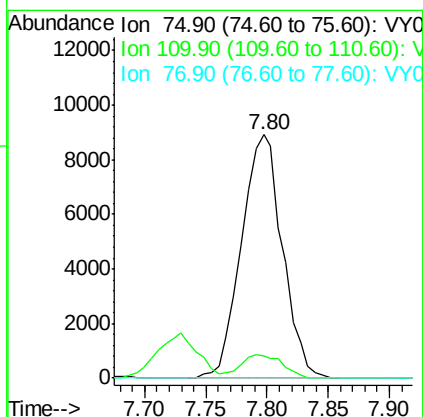
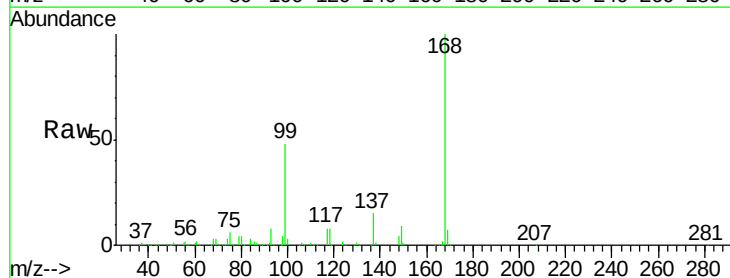
Instrument :
 MSVOA_Y
 ClientSampleId :
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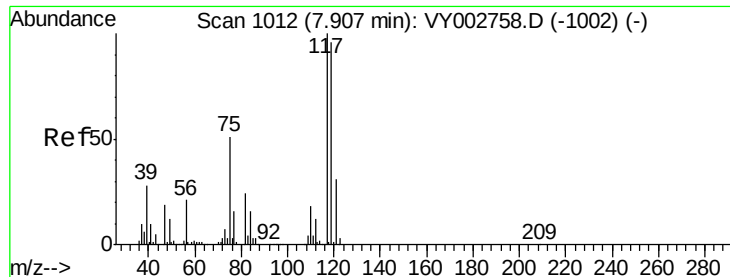
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	22.6	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.48 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002831.D
 Acq: 03 Jun 2020 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.3	57.9#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.63 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002831.D

Acq: 03 Jun 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

WARREN-TP

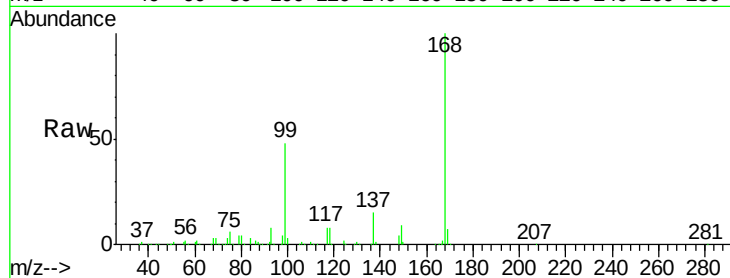
Tgt Ion:117 Resp: 28915

Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

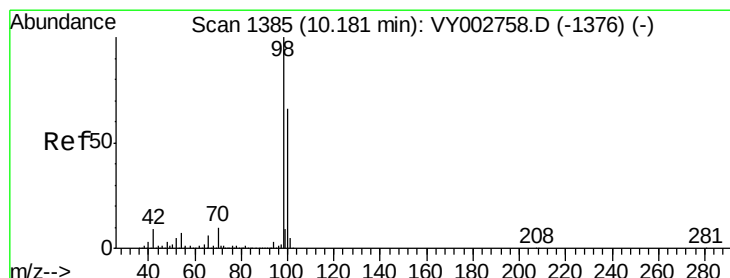
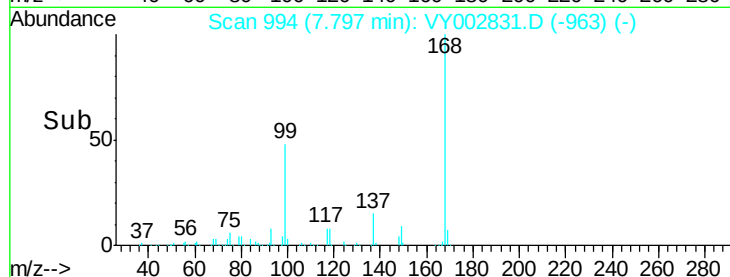
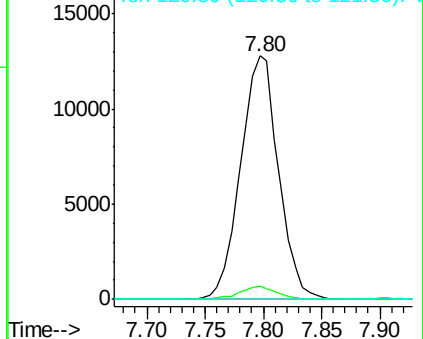
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.29 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002831.D

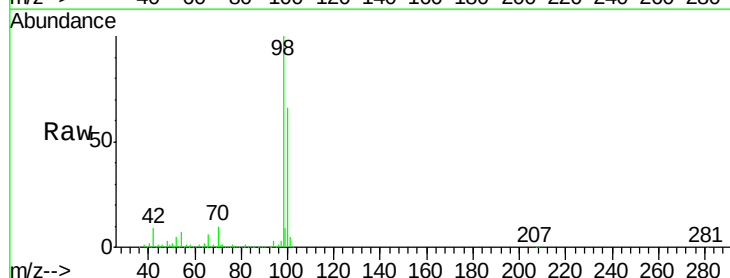
Acq: 03 Jun 2020 14:28

Tgt Ion: 98 Resp: 641161

Ion Ratio Lower Upper

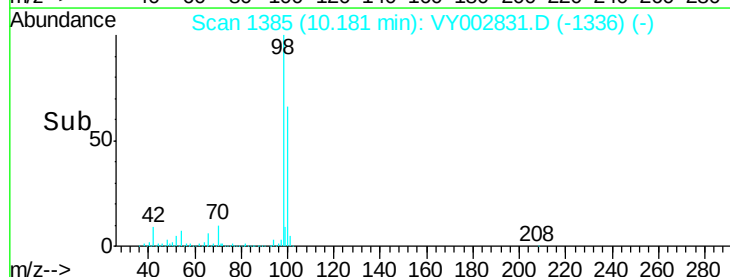
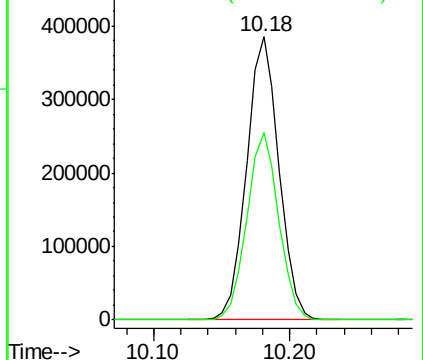
98 100

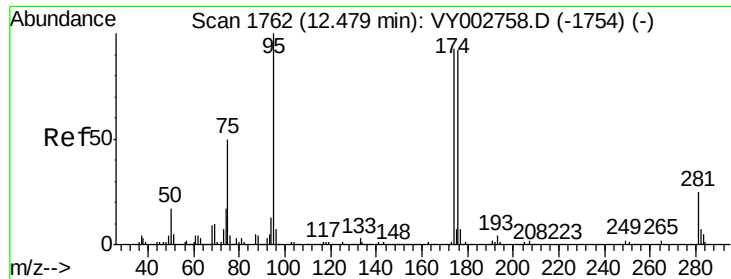
100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

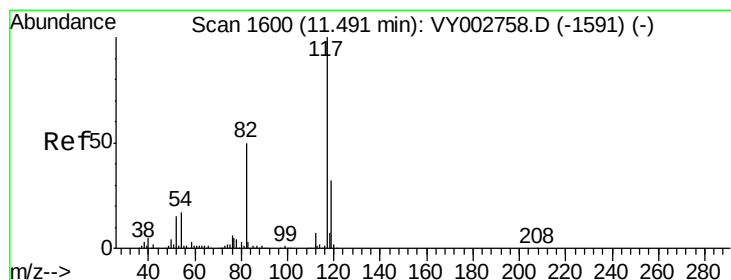
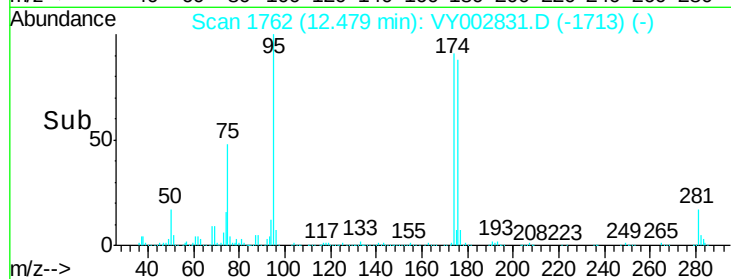
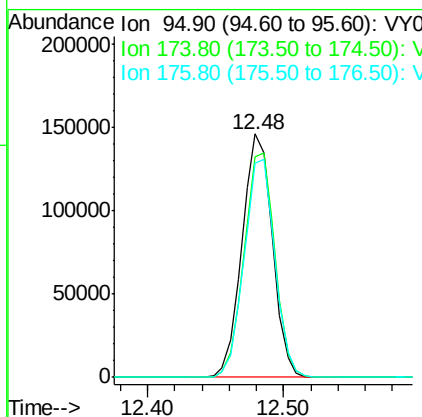
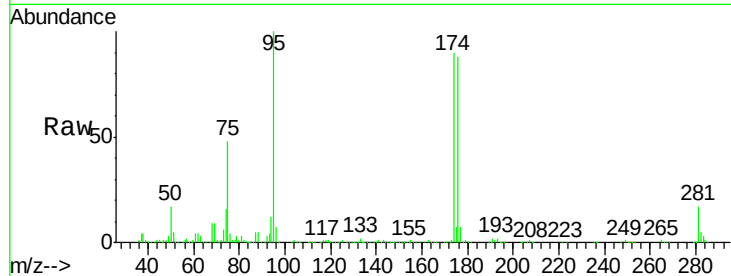




#62
4-Bromofluorobenzene
Concen: 51.24 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY002831.D
Acq: 03 Jun 2020 14:28

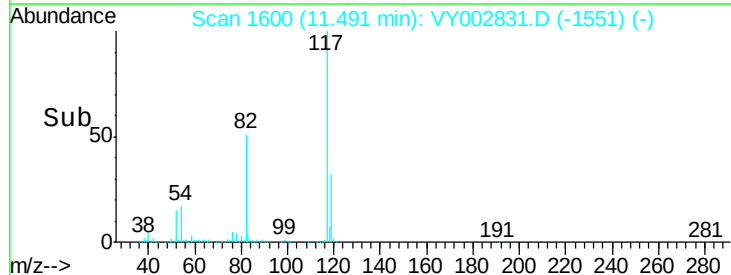
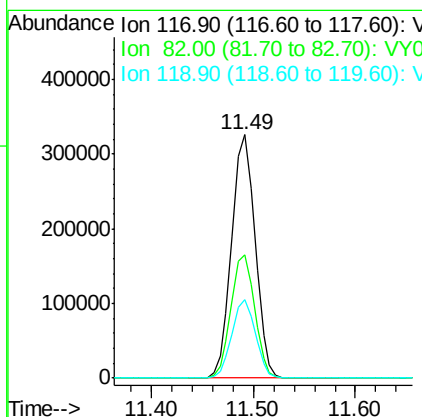
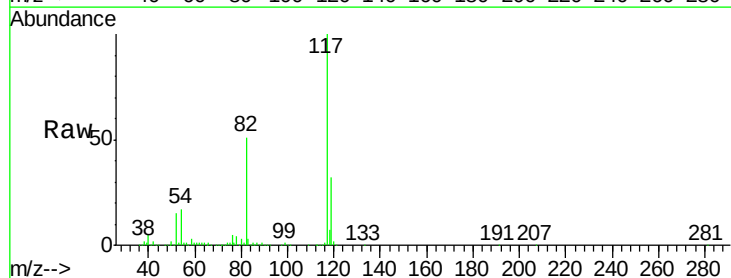
Instrument :
MSVOA_Y
ClientSampleId :
WARREN-TP

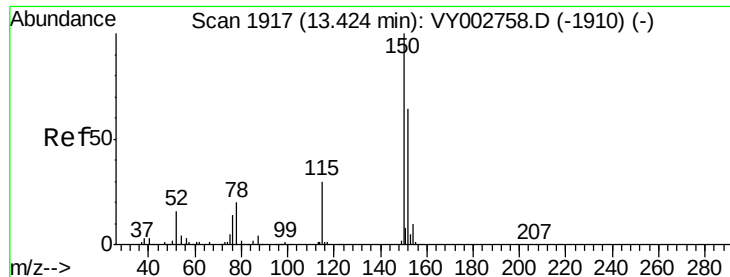
Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	191.2
176	90.6	0.0	188.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002831.D
Acq: 03 Jun 2020 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.2	60.4
119	32.1	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002831.D

Acq: 03 Jun 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

WARREN-TP

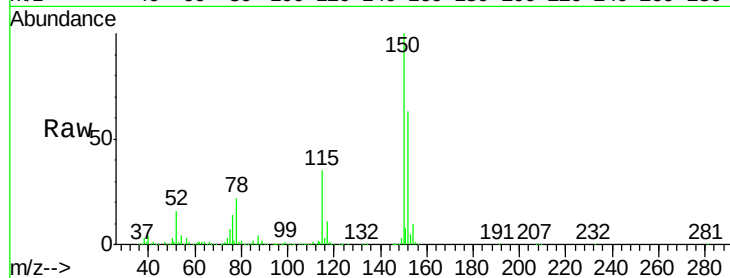
Tgt Ion:152 Resp: 262727

Ion Ratio Lower Upper

152 100

115 54.9 27.0 81.0

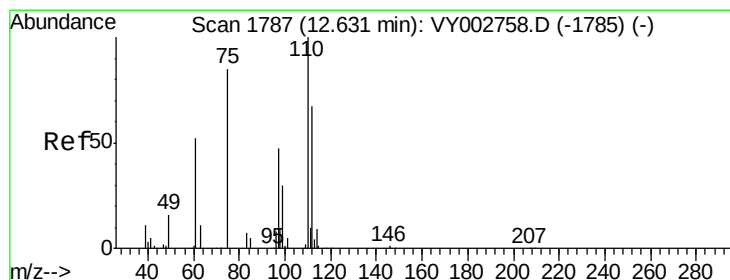
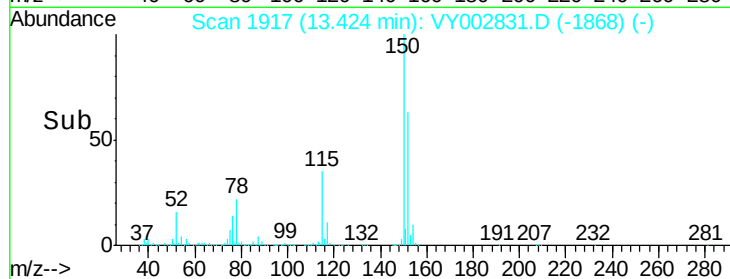
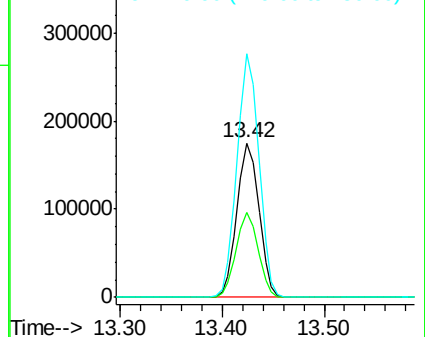
150 156.4 0.0 344.8



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: 45.68 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002831.D

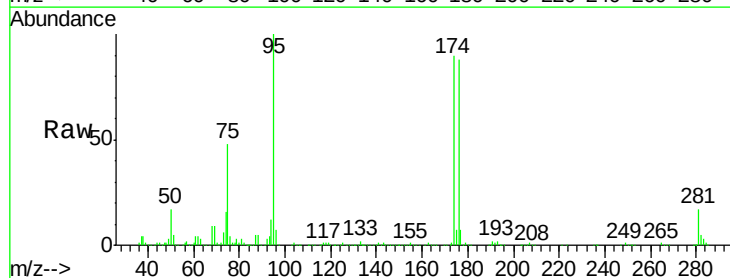
Acq: 03 Jun 2020 14:28

Tgt Ion: 75 Resp: 108140

Ion Ratio Lower Upper

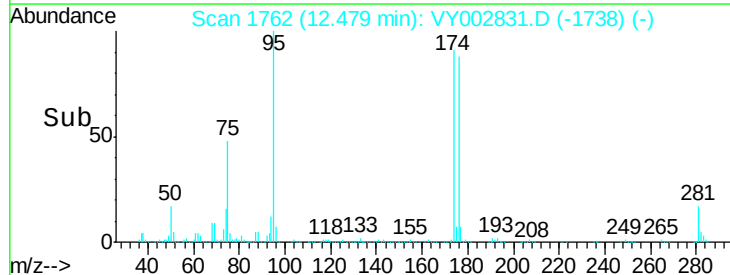
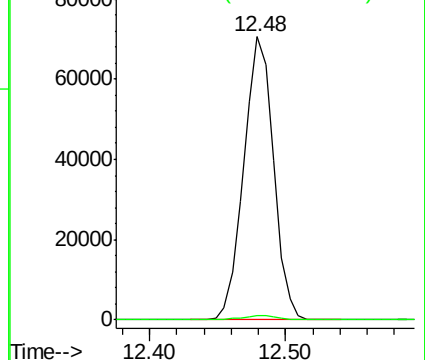
75 100

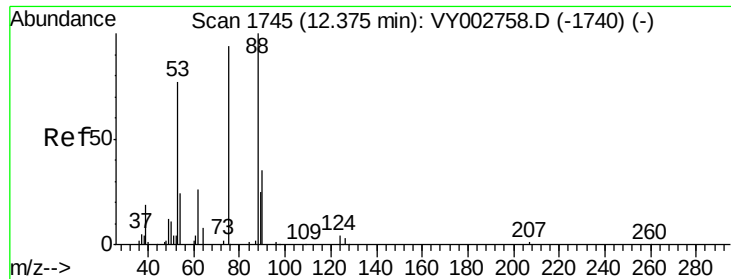
77 1.7 0.0 0.0#



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: 86.06 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002831.D

Acq: 03 Jun 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

WARREN-TP

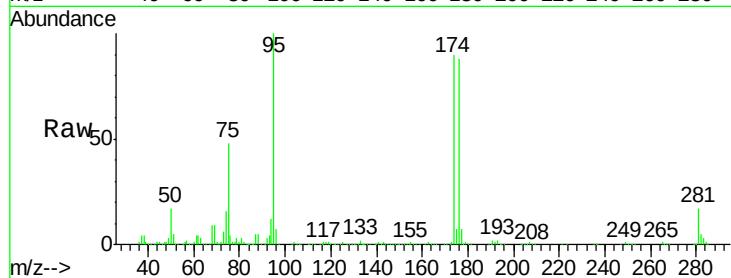
Tgt Ion: 75 Resp: 108140

Ion Ratio Lower Upper

75 100

53 0.1 64.0 96.0#

89 0.6 37.4 56.2#



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

