

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002782.D
 Acq On : 28 May 2020 10:46
 Operator : SY/MD
 Sample : VY0528SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 28 16:45:26 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	282509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	455060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	430017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	215566	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	134376	54.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.56%	
35) Dibromofluoromethane	7.72	113	138978	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
50) Toluene-d8	10.18	98	529315	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.48	95	182211	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	

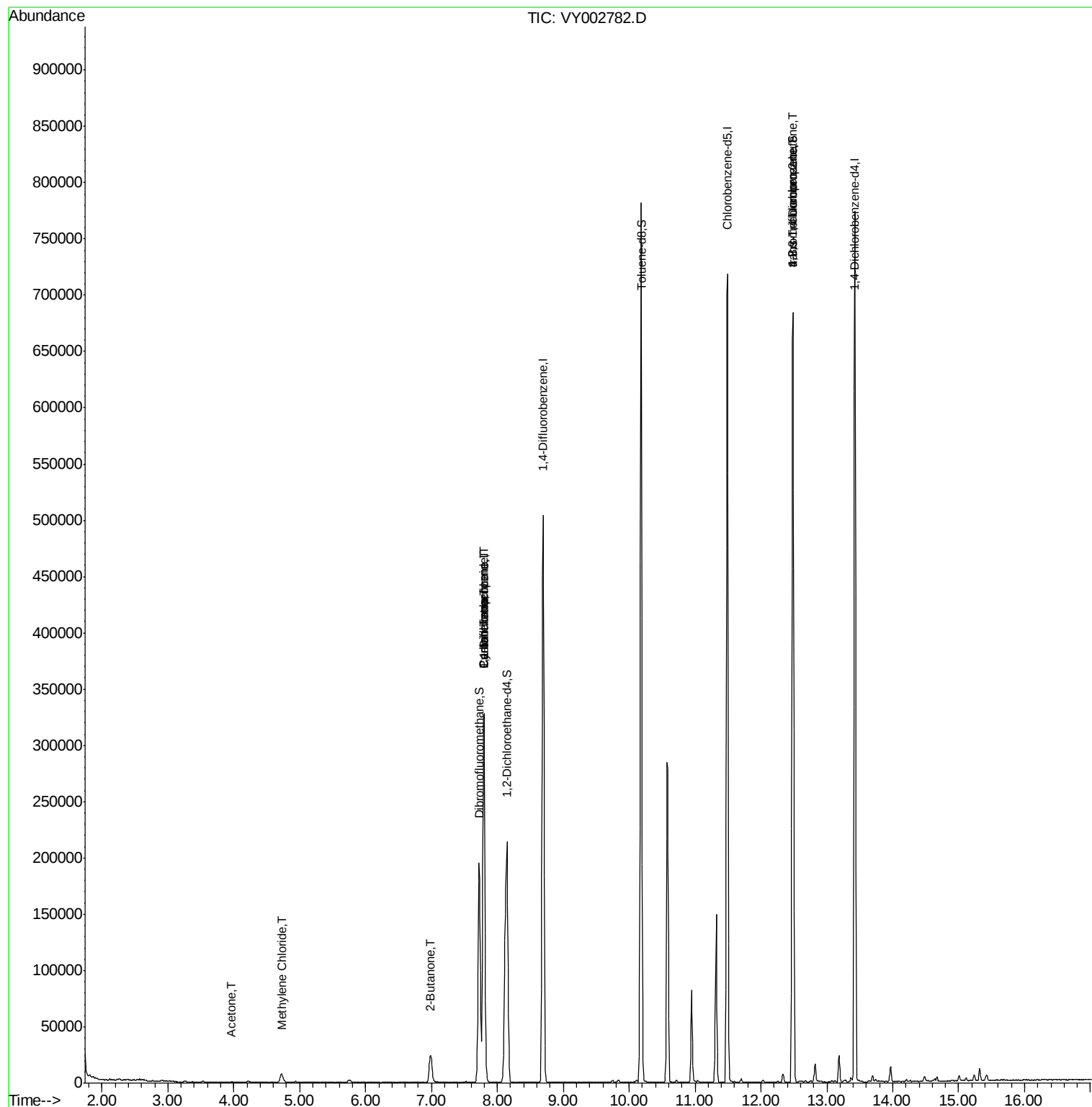
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	716	Below Cal	#	82
16) Acetone	3.96	43	1074	1.867	ug/l	93
18) Methyl Acetate	4.49	43	452	Below Cal	#	48
20) Methylene Chloride	4.73	84	6671	2.373	ug/l	87
25) 2-Butanone	6.99	43	1422	1.587	ug/l #	45
31) Cyclohexane	7.79	56	4345	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	17495	4.564	ug/l #	48
38) Carbon Tetrachloride	7.79	117	24944	5.858	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	87681	45.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87681	85.045	ug/l #	17

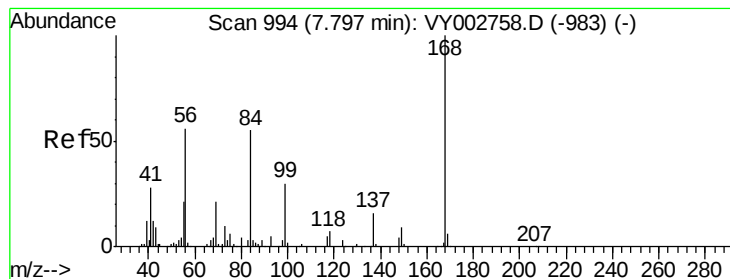
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002782.D

Acq: 28 May 2020 10:46

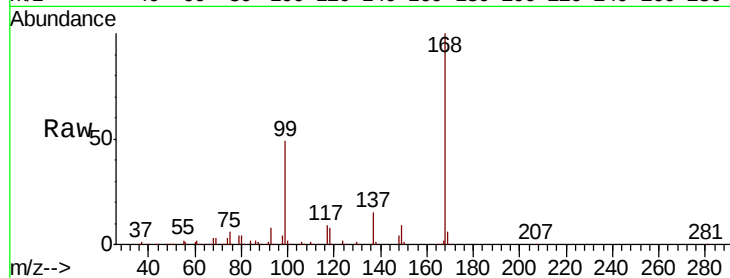
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 282509

Ion Ratio Lower Upper

168 100

99 49.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002782.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002782.D (-945) (-)

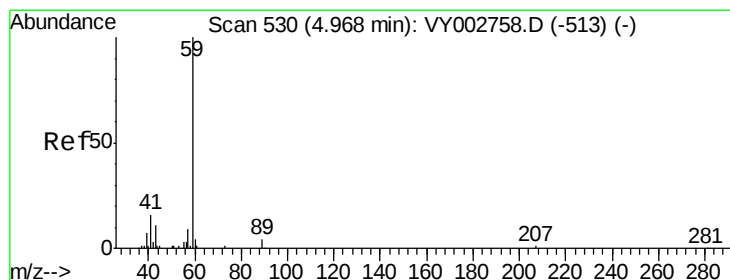
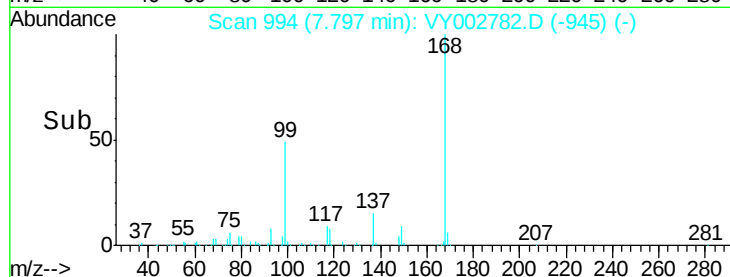
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY002782.D

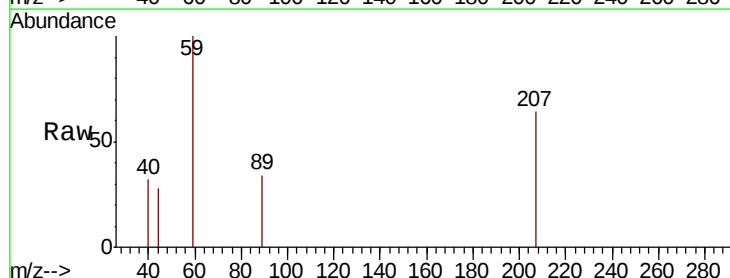
Acq: 28 May 2020 10:46

Tgt Ion: 59 Resp: 716

Ion Ratio Lower Upper

59 100

57 2.9 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002782.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002782.D (-481) (-)

4.97

400

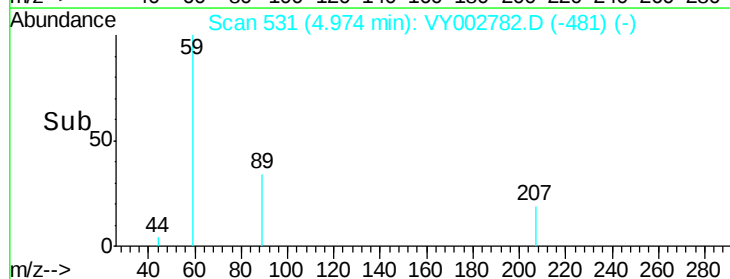
300

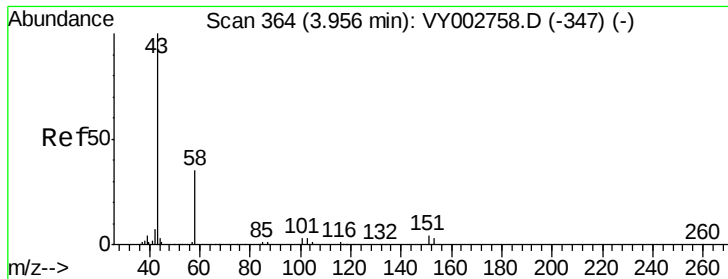
200

100

0

Time-->





#16

Acetone

Concen: 1.867 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002782.D

Acq: 28 May 2020 10:46

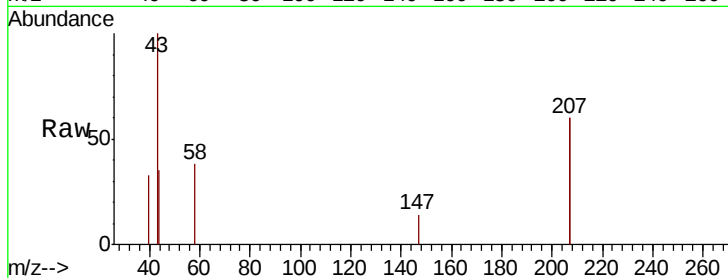
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1074

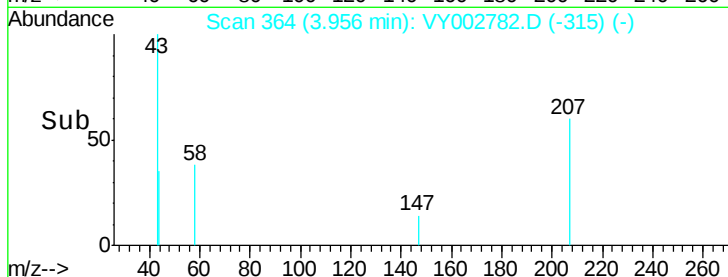
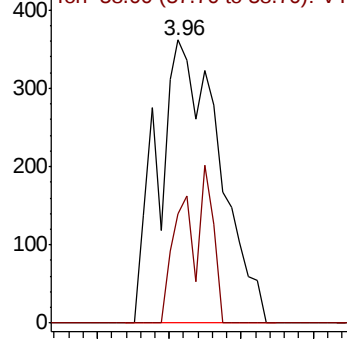
Ion Ratio Lower Upper

43 100

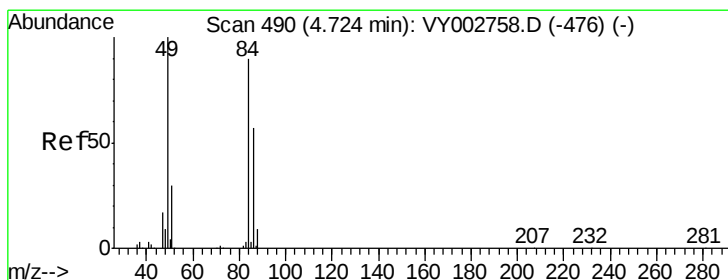
58 38.4 27.7 41.5



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



Time-->



#20

Methylene Chloride

Concen: 2.373 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002782.D

Acq: 28 May 2020 10:46

Tgt Ion: 84 Resp: 6671

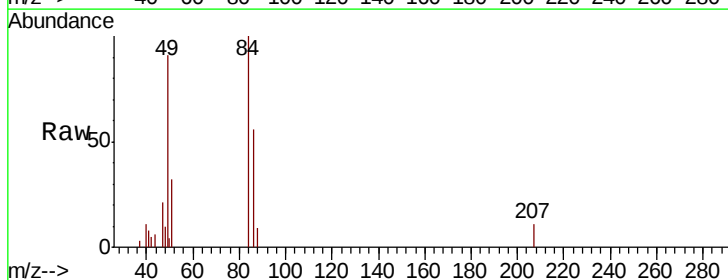
Ion Ratio Lower Upper

84 100

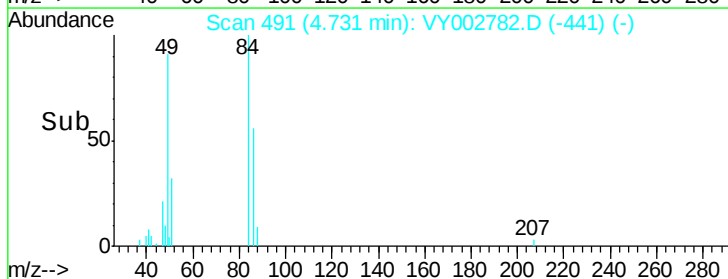
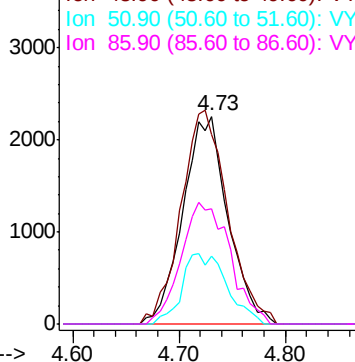
49 91.5 88.5 132.7

51 32.4 26.8 40.2

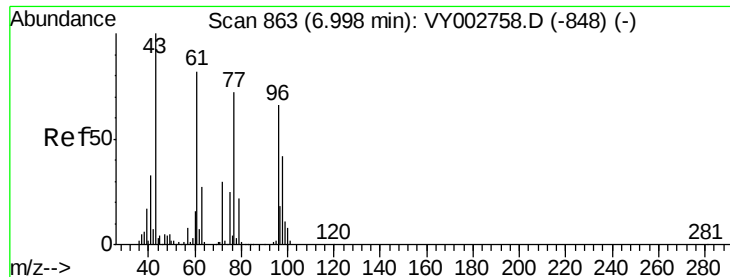
86 55.7 50.6 75.8



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



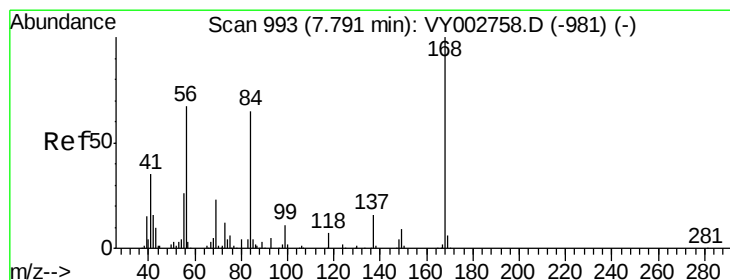
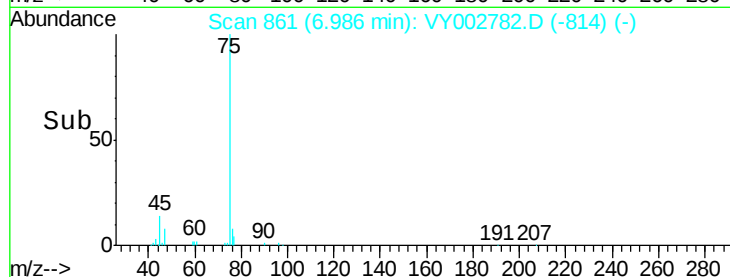
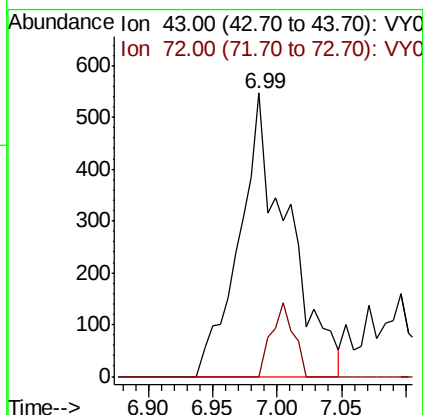
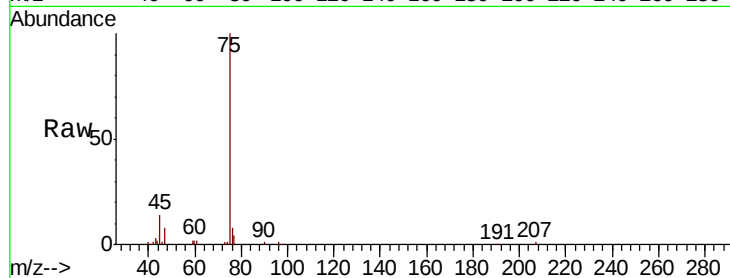
Time-->



#25
2-Butanone
Concen: 1.587 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002782.D
Acq: 28 May 2020 10:46

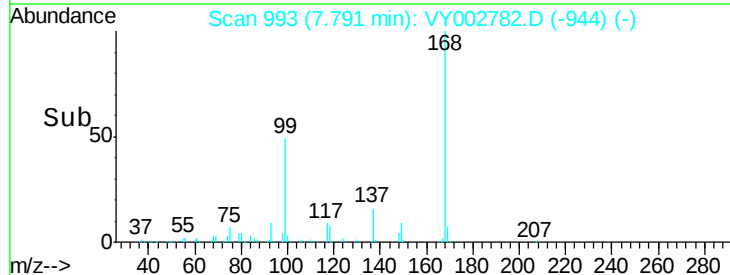
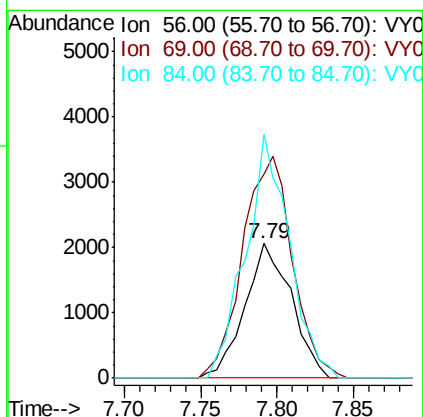
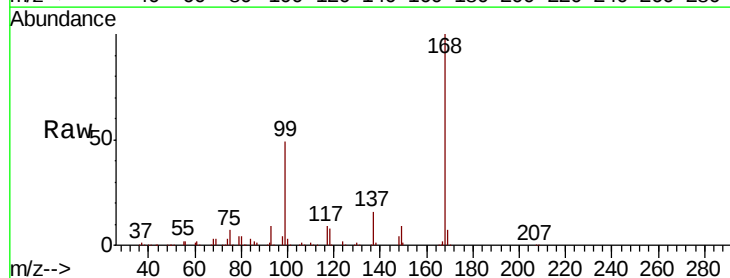
Instrument :
MSVOA_Y
ClientSampleId :

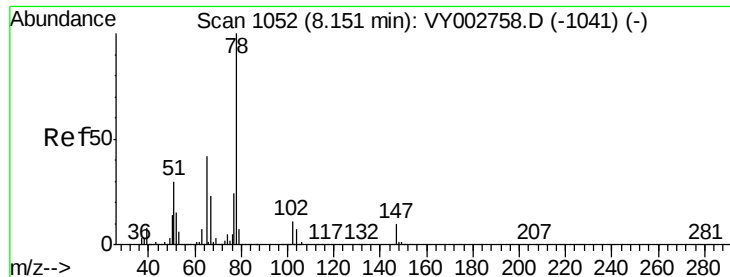
Tot Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY002782.D
Acq: 28 May 2020 10:46

Tgt Ion: 56 Resp: 4345
Ion Ratio Lower Upper
56 100
69 151.3 28.0 42.0#
84 181.0 77.7 116.5#

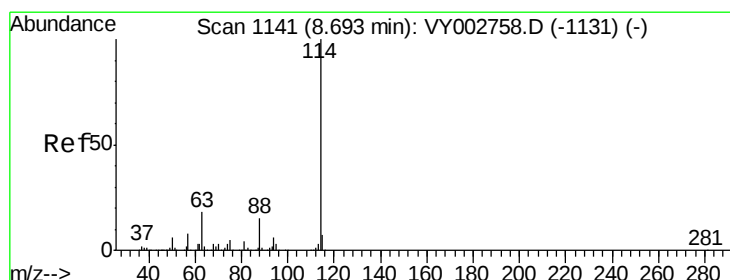
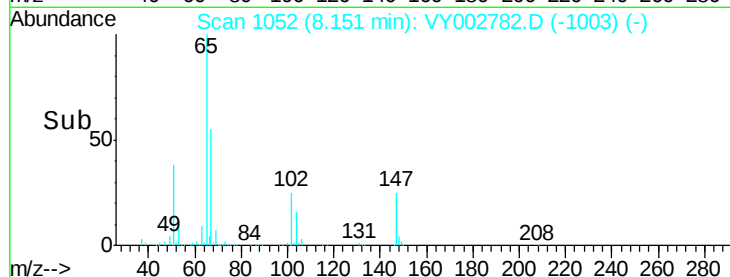
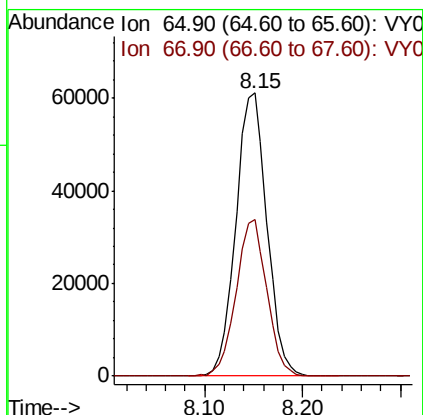
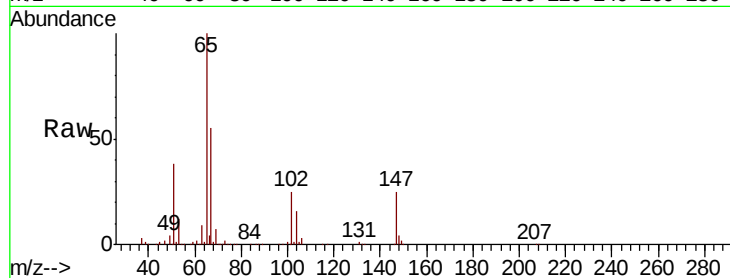




#33
 1,2-Dichloroethane-d4
 Concen: 54.781 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002782.D
 Acq: 28 May 2020 10:46

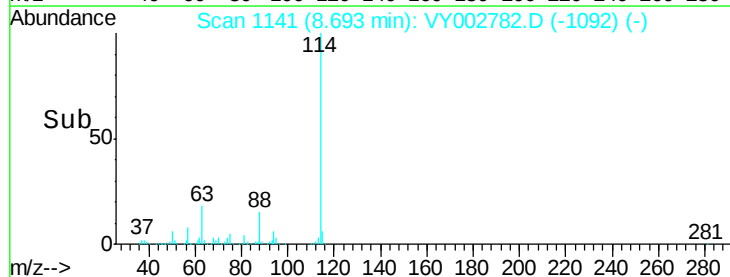
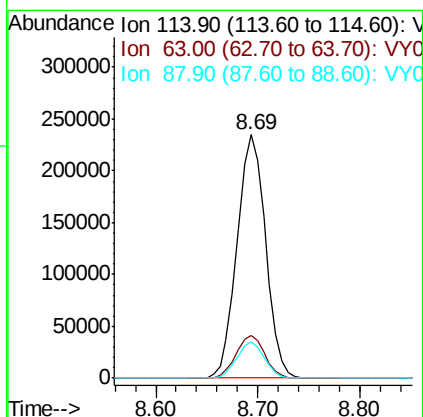
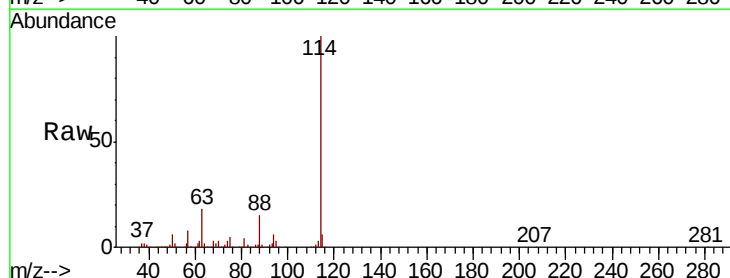
Instrument :
 MSVOA_Y
 ClientSampleId :

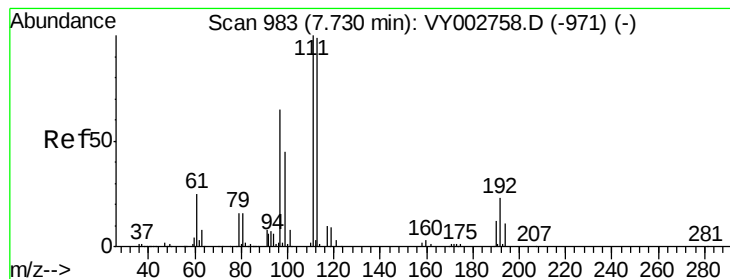
Tot Ion: 65 Resp: 134376
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002782.D
 Acq: 28 May 2020 10:46

Tgt Ion: 114 Resp: 455060
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 52.113 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002782.D

Acq: 28 May 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

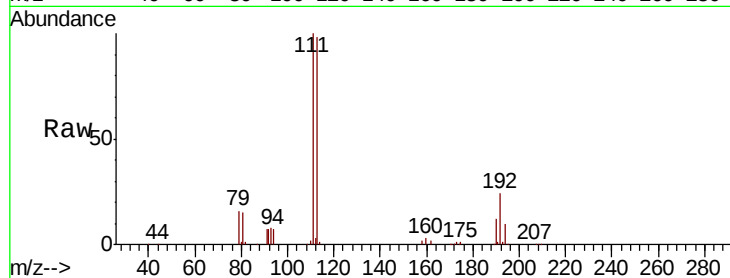
Tot Ion:113 Resp: 138978

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

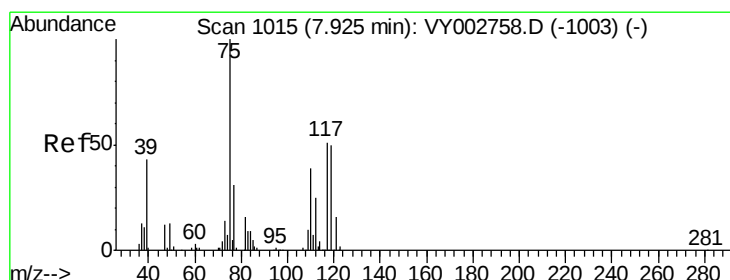
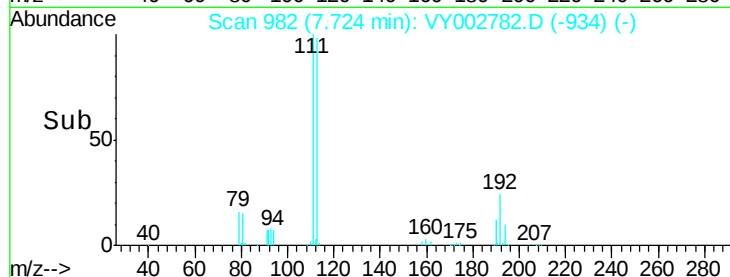
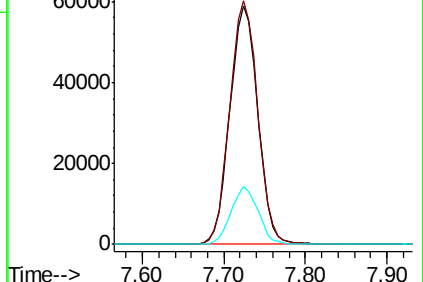
192 23.3 18.9 28.3



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: 4.564 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY002782.D

Acq: 28 May 2020 10:46

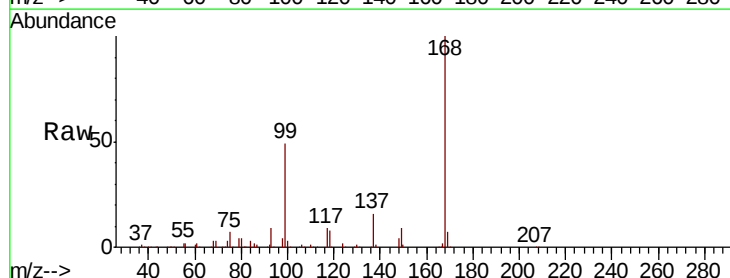
Tgt Ion: 75 Resp: 17495

Ion Ratio Lower Upper

75 100

110 9.5 19.3 57.9#

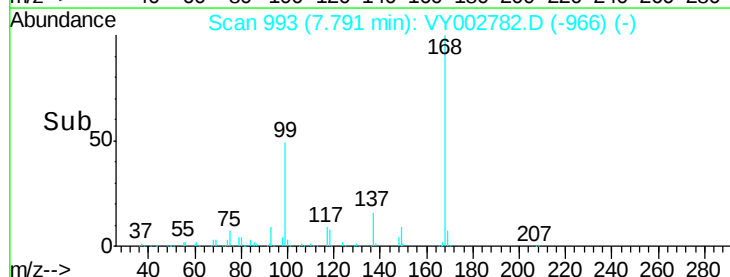
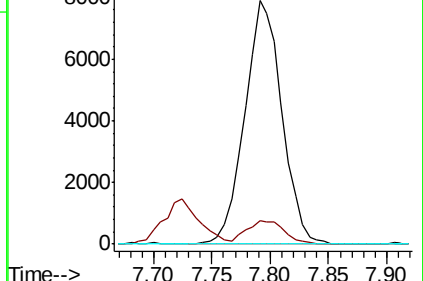
77 0.0 24.8 37.2#

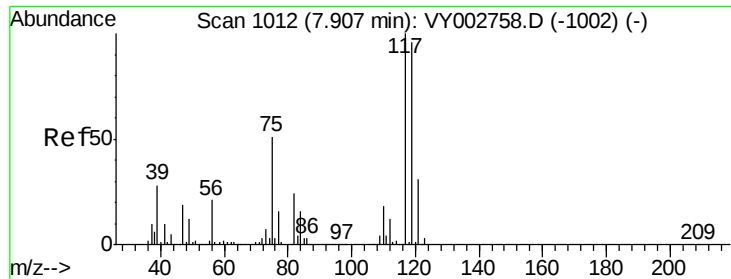


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.858 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY002782.D

Acq: 28 May 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

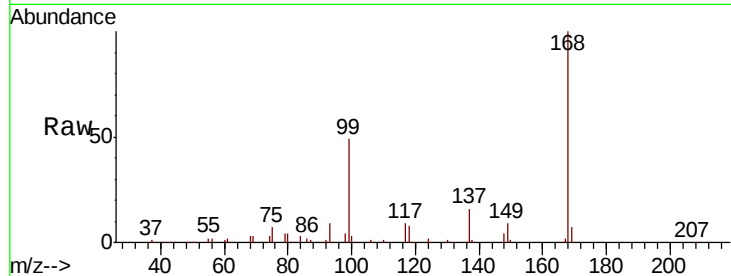
Tot Ion:117 Resp: 24944

Ion Ratio Lower Upper

117 100

119 5.3 76.8 115.2#

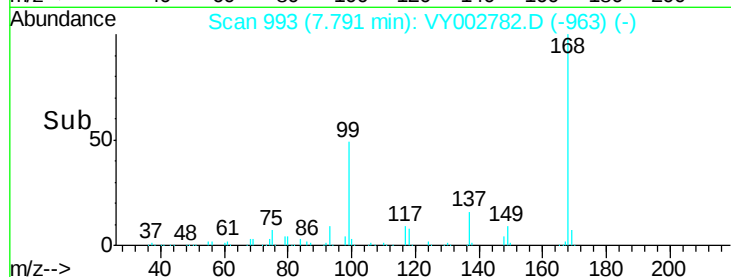
121 0.0 24.8 37.2#



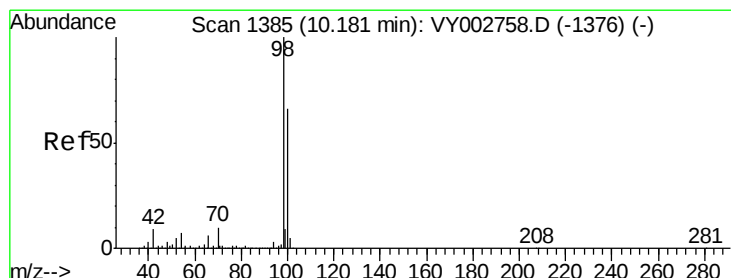
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#50

Toluene-d8

Concen: 49.088 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002782.D

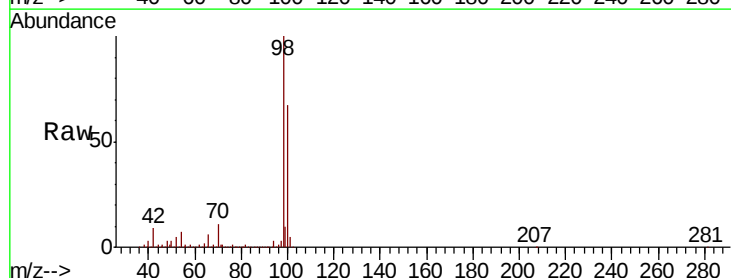
Acq: 28 May 2020 10:46

Tgt Ion: 98 Resp: 529315

Ion Ratio Lower Upper

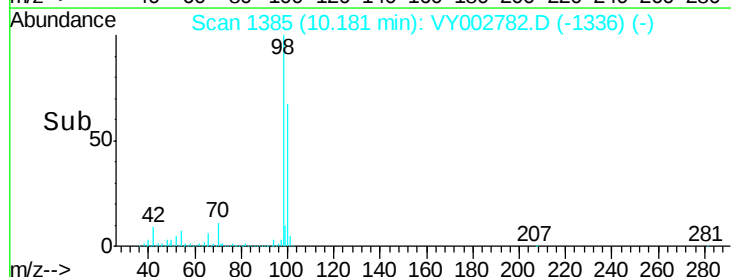
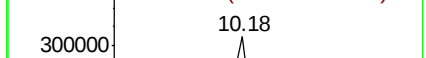
98 100

100 65.2 52.2 78.2

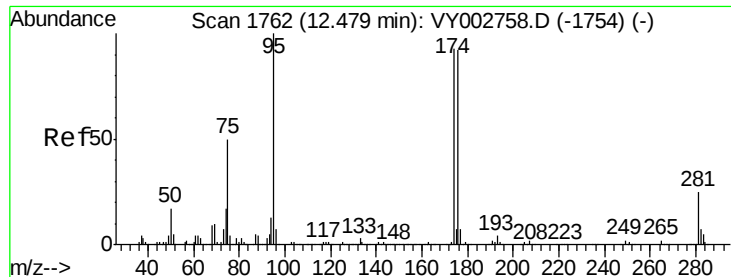


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



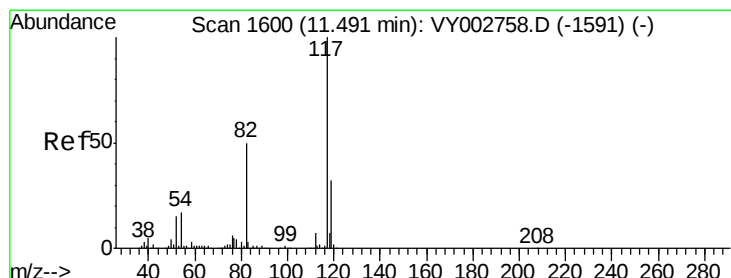
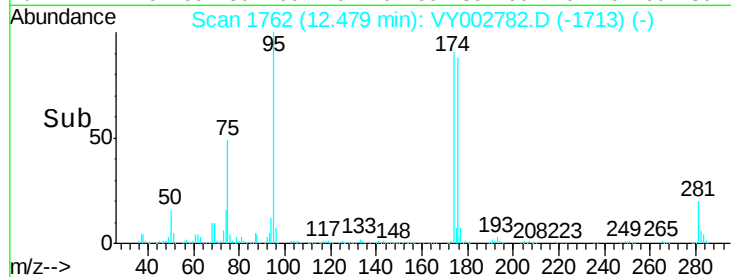
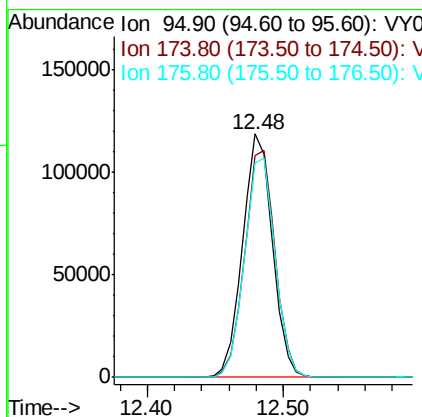
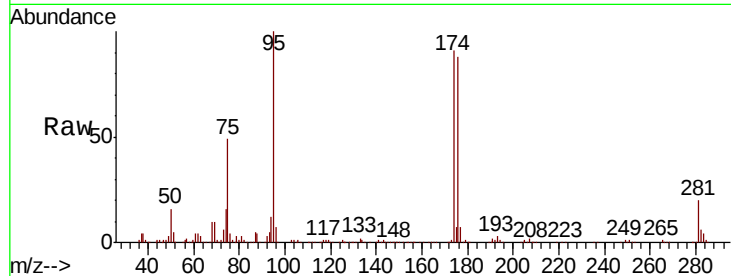
Time-->



#62
4-Bromofluorobenzene
Concen: 49.446 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002782.D
Acq: 28 May 2020 10:46

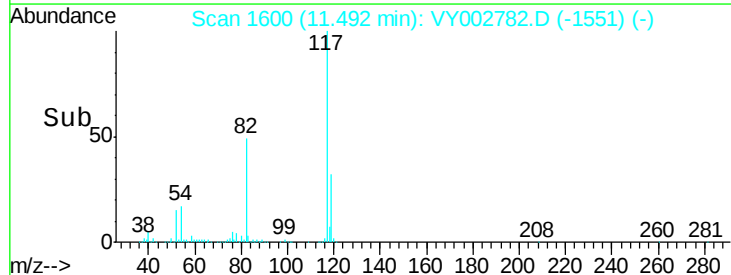
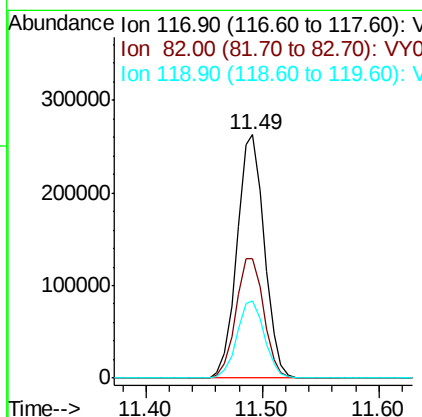
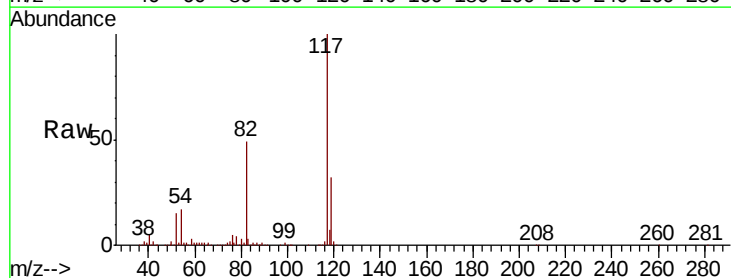
Instrument :
MSVOA_Y
ClientSampleId :

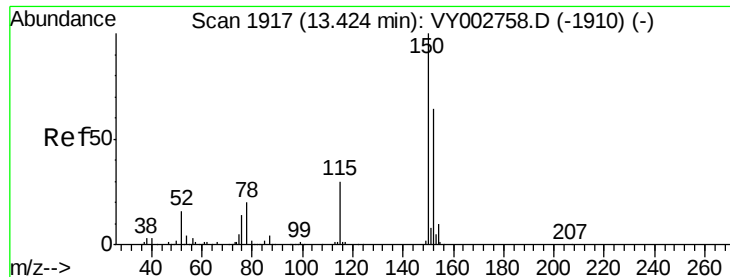
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	191.2
176	92.4	0.0	188.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002782.D
Acq: 28 May 2020 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.0	40.2	60.4
119	31.8	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002782.D

Acq: 28 May 2020 10:46

Instrument :

MSVOA_Y

ClientSampled :

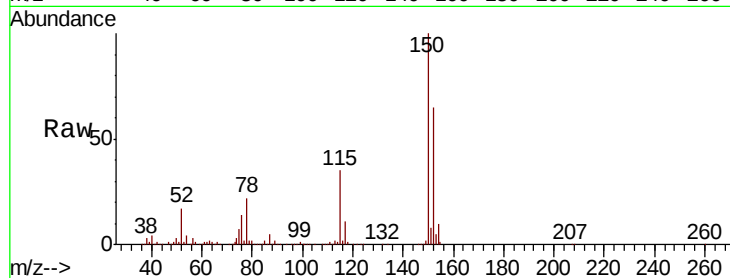
Tot Ion:152 Resp: 215566

Ion Ratio Lower Upper

152 100

115 53.5 27.0 81.0

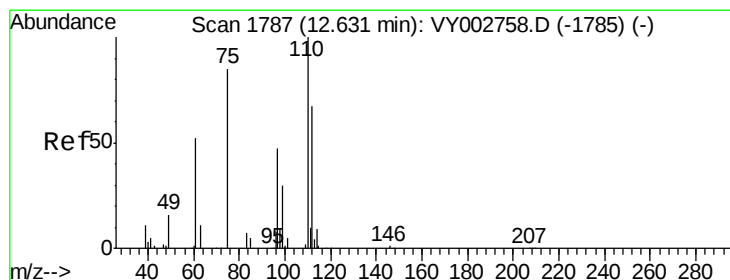
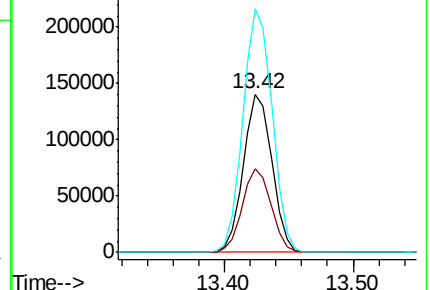
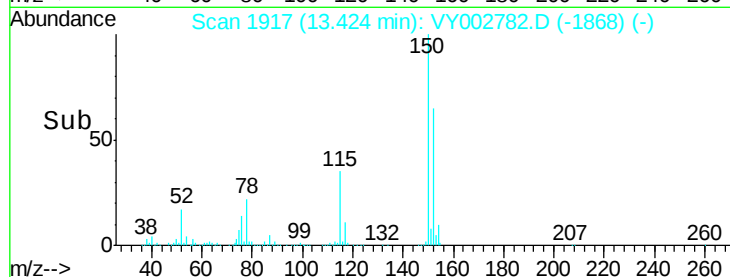
150 157.0 0.0 344.8



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: 45.141 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002782.D

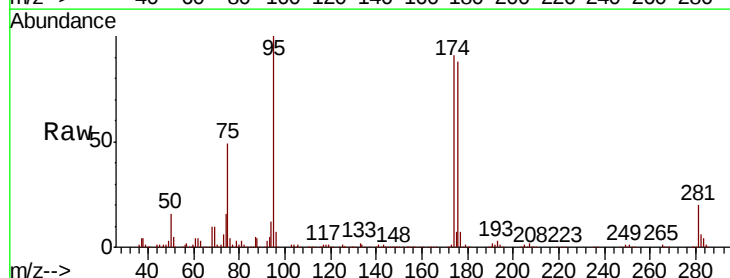
Acq: 28 May 2020 10:46

Tgt Ion: 75 Resp: 87681

Ion Ratio Lower Upper

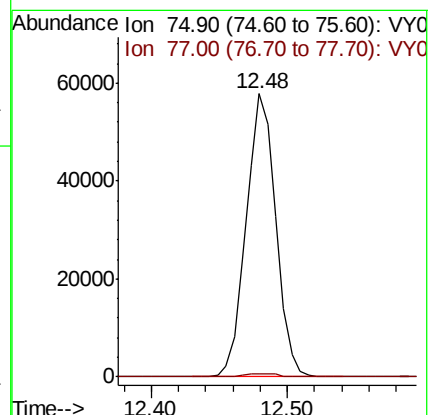
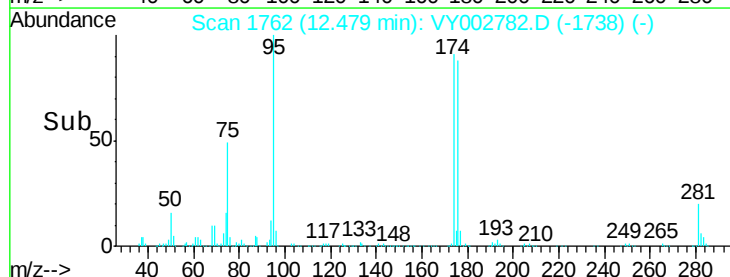
75 100

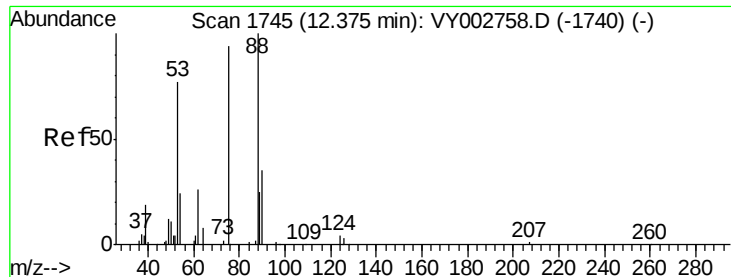
77 1.3 0.0 0.0#



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: 85.045 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002782.D

Acq: 28 May 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

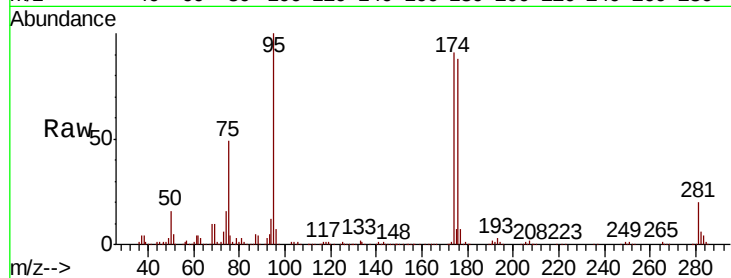
Tot Ion: 75 Resp: 87681

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.4 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

