

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002629.D
 Acq On : 07 May 2020 14:22
 Operator : SY/MD
 Sample : L2529-04
 Misc : 6.94G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11936

Quant Time: May 08 02:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	350118	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	543272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	482626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	233806	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	159122	54.05	ug/l	-0.01
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	7.72	113	162504	52.30	ug/l	-0.01
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	10.18	98	625870	51.58	ug/l	-0.01
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.49	95	205142	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

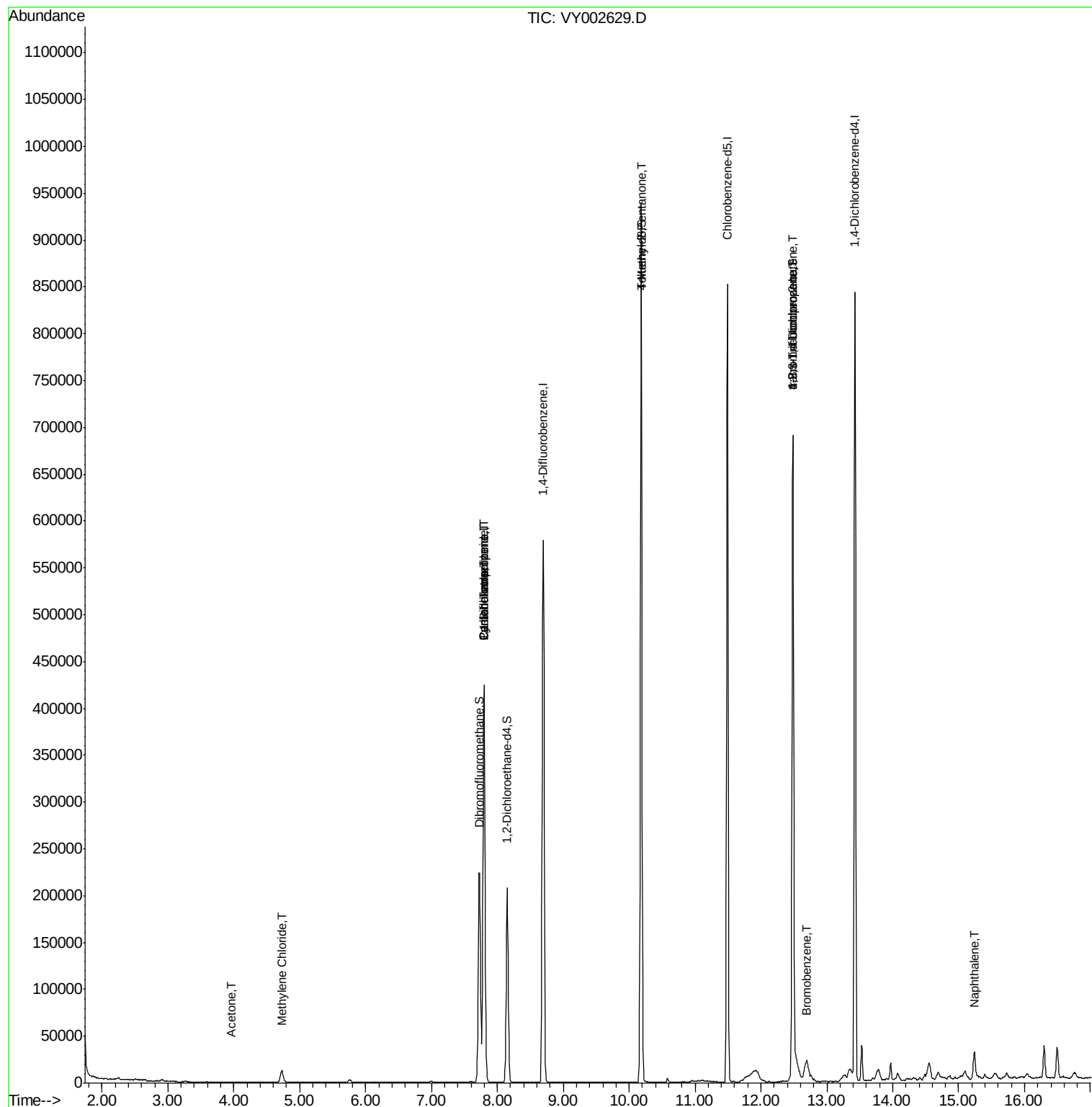
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	768	1.264	ug/l #	41
20) Methylene Chloride	4.72	84	10121	2.979	ug/l	97
31) Cyclohexane	7.80	56	5452	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22375	4.913	ug/l #	49
38) Carbon Tetrachloride	7.80	117	32503	6.537	ug/l #	15
51) 4-Methyl-2-Pentanone	10.17	43	2298	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	99624	47.948	ug/l #	100
77) Bromobenzene	12.69	156	26910	7.108	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	99624	96.145	ug/l #	16
95) Naphthalene	15.24	128	15272	1.804	ug/l #	93

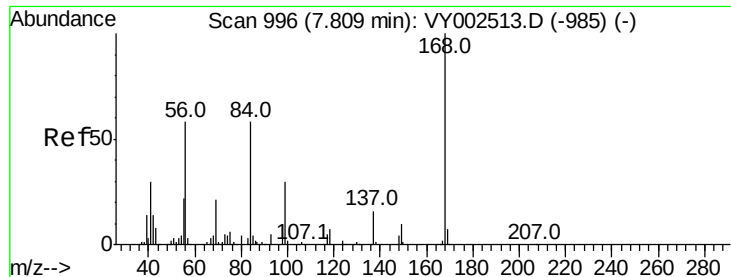
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

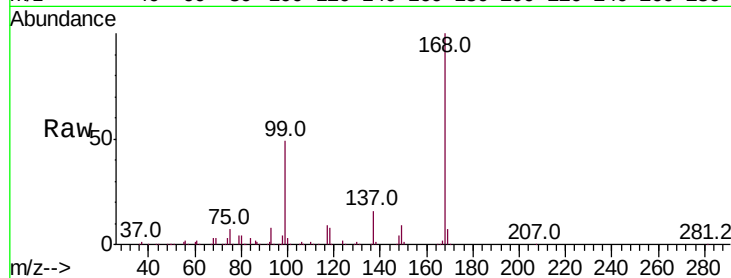
72-11936

Tot Ion:168 Resp: 350118

Ion Ratio Lower Upper

168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

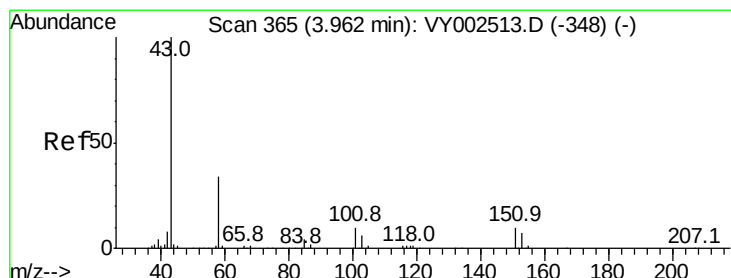
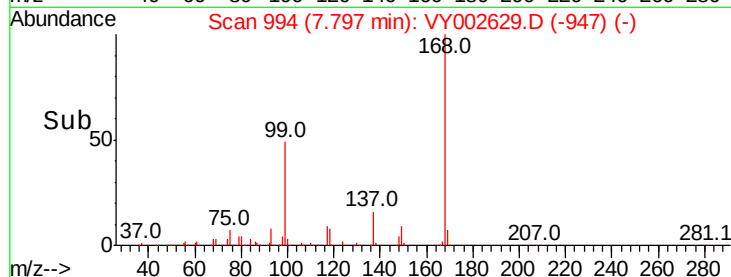
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 1.264 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002629.D

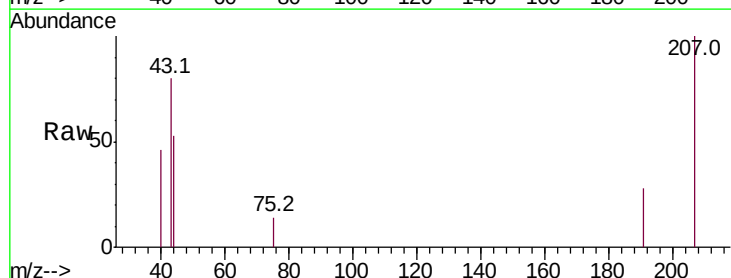
Acq: 07 May 2020 14:22

Tgt Ion: 43 Resp: 768

Ion Ratio Lower Upper

43 100

58 0.0 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.96

300

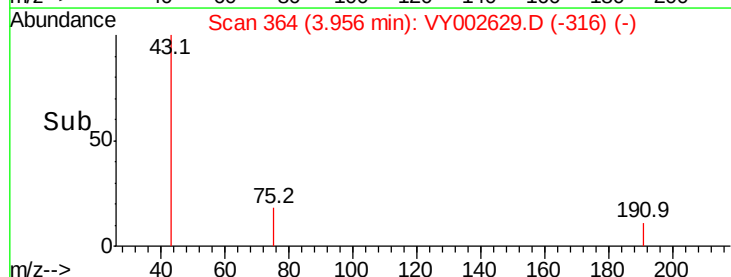
200

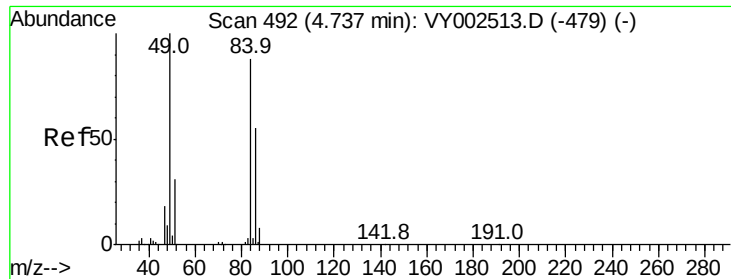
100

0

3.90 3.95 4.00

Time-->

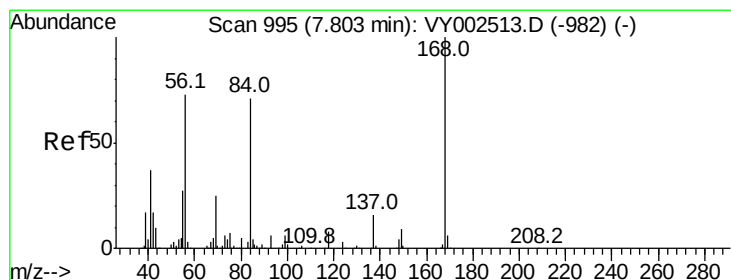
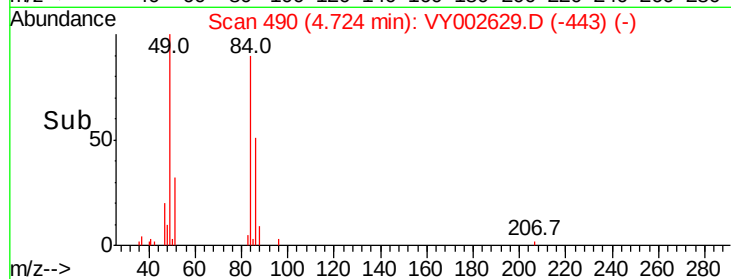
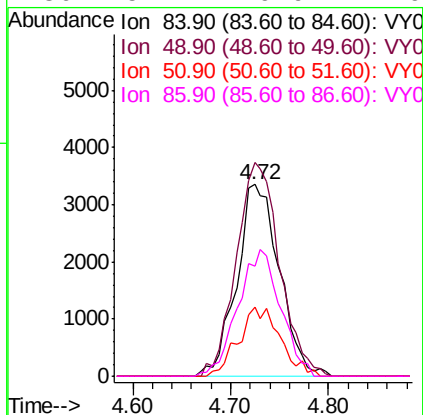
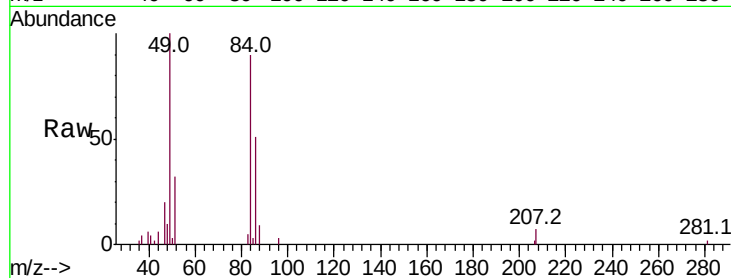




#20
Methylene Chloride
Concen: 2.979 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002629.D
Acq: 07 May 2020 14:22

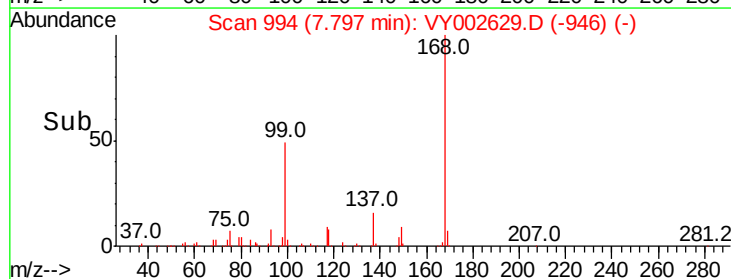
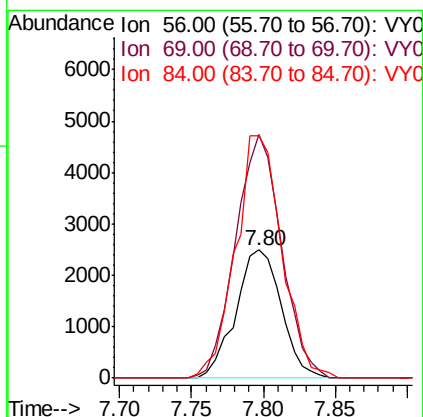
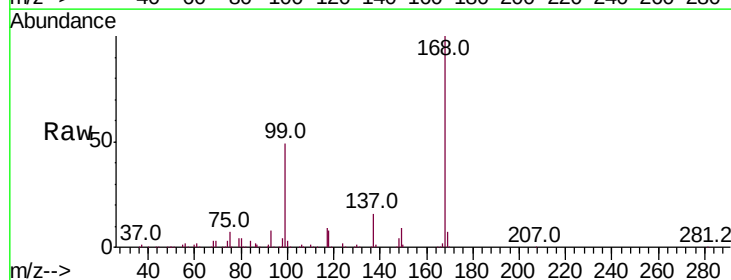
Instrument :
MSVOA_Y
ClientSampleId :
72-11936

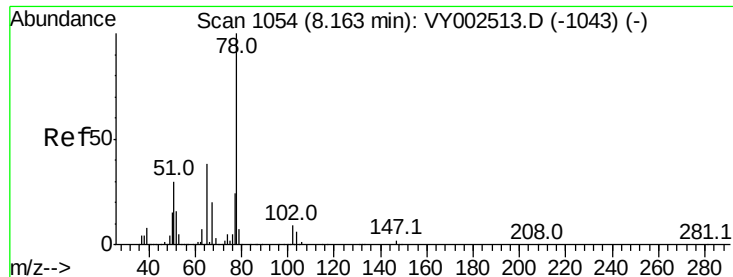
Tot Ion:	84	Resp:	10121
Ion	Ratio	Lower	Upper
84	100		
49	111.3	90.5	135.7
51	36.1	28.3	42.5
86	57.2	49.9	74.9



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY002629.D
Acq: 07 May 2020 14:22

Tgt Ion:	56	Resp:	5452
Ion	Ratio	Lower	Upper
56	100		
69	190.3	27.6	41.4#
84	189.1	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.052 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

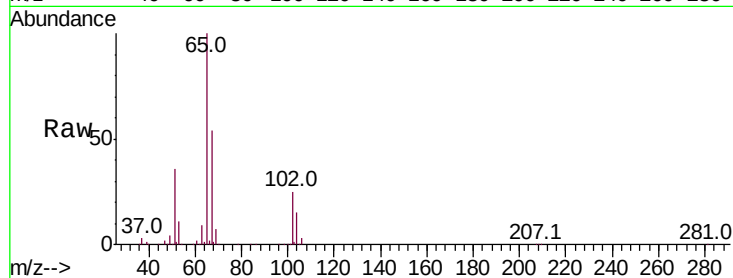
72-11936

Tot Ion: 65 Resp: 159122

Ion Ratio Lower Upper

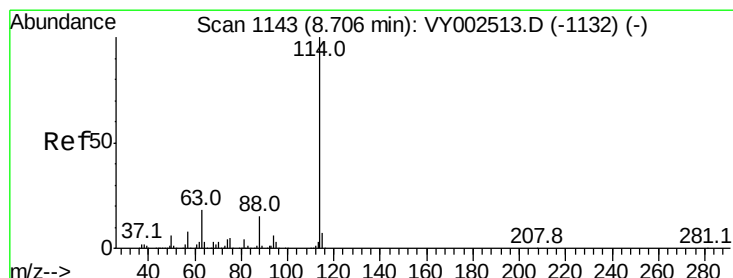
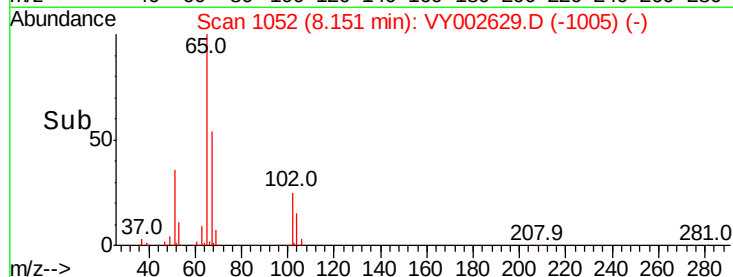
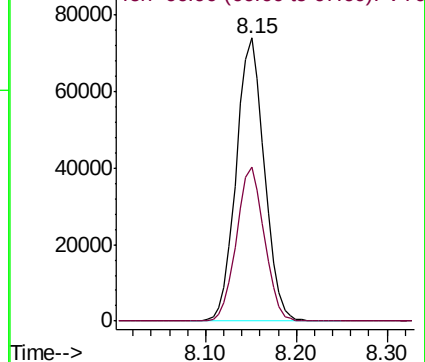
65 100

67 53.9 0.0 107.2



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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

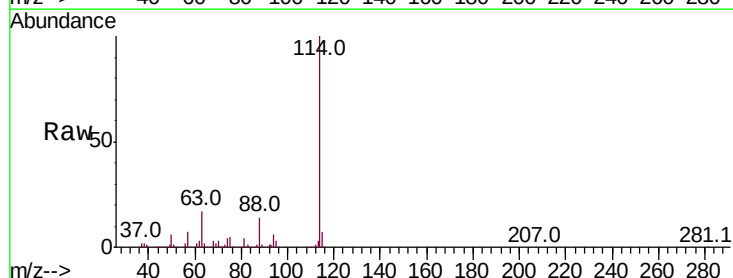
Tgt Ion: 114 Resp: 543272

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.4

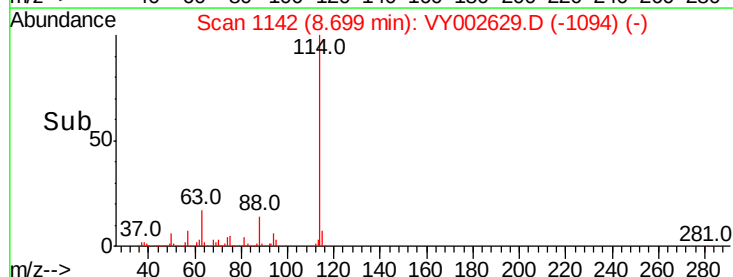
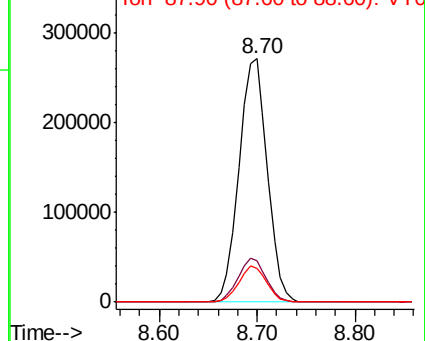
88 14.1 0.0 29.6

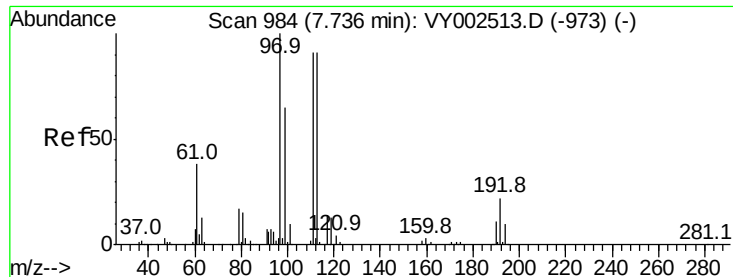


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 52.303 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

72-11936

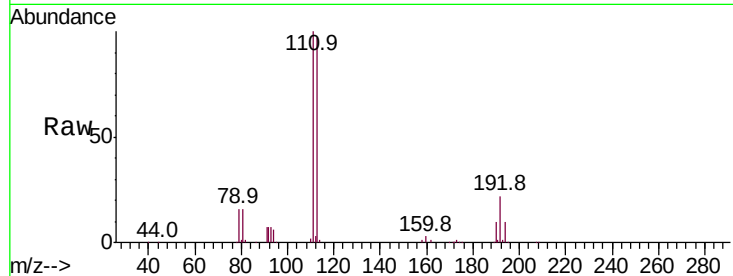
Tot Ion:113 Resp: 162504

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

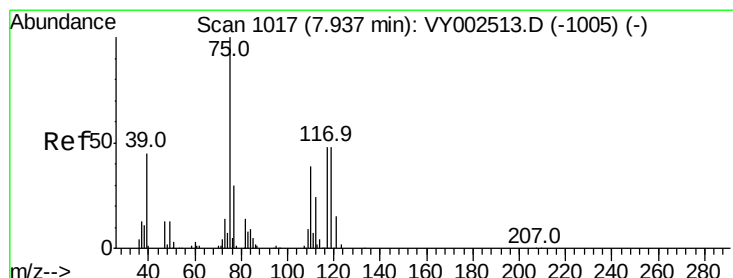
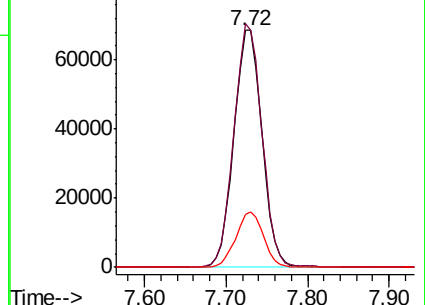
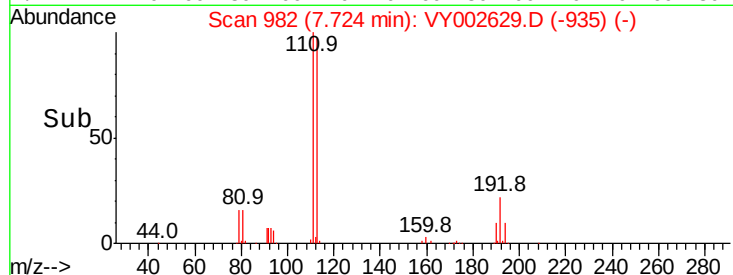
192 22.9 18.2 27.4



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: 4.913 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

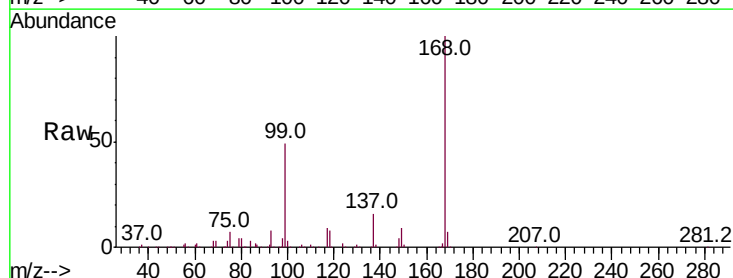
Tgt Ion: 75 Resp: 22375

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

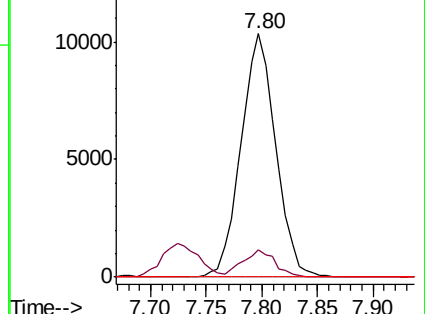
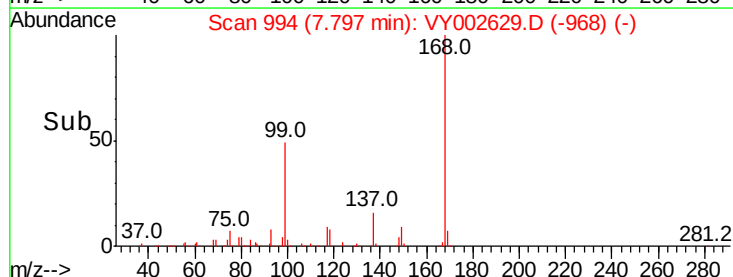
77 0.0 24.6 37.0#

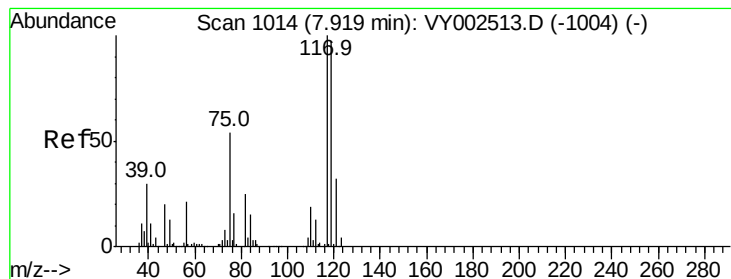


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.537 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

72-11936

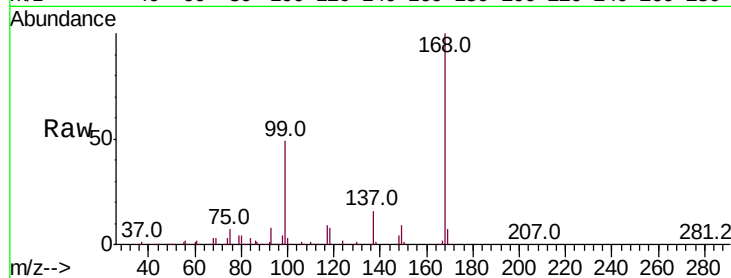
Tot Ion:117 Resp: 32503

Ion Ratio Lower Upper

117 100

119 4.8 77.1 115.7#

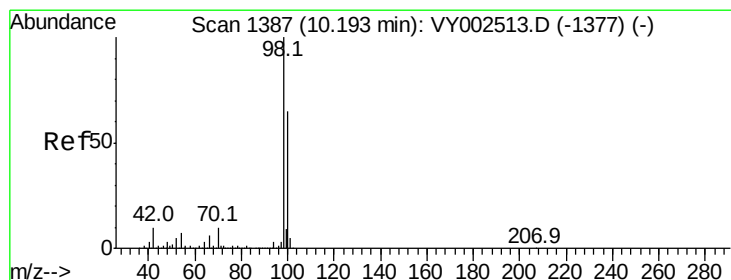
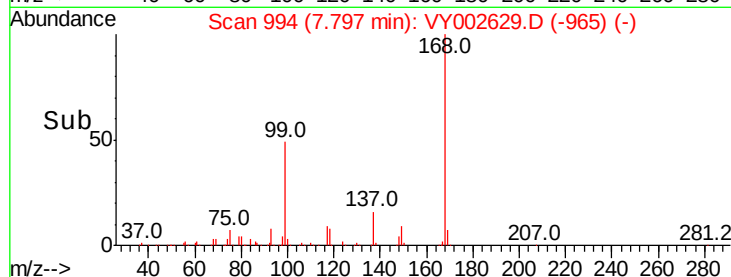
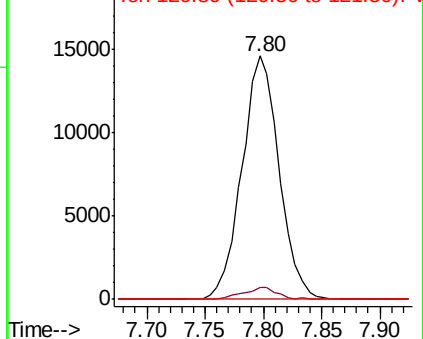
121 0.0 25.2 37.8#



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: 51.583 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002629.D

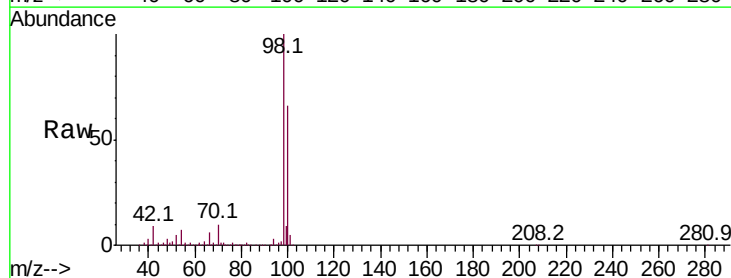
Acq: 07 May 2020 14:22

Tgt Ion: 98 Resp: 625870

Ion Ratio Lower Upper

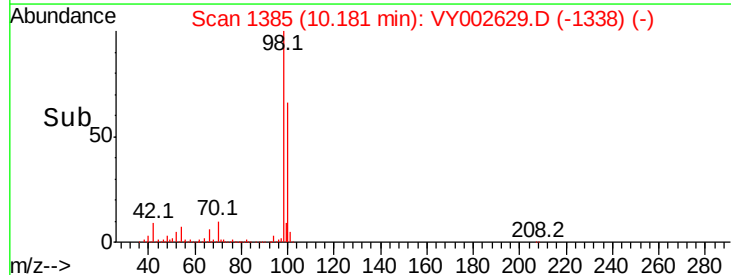
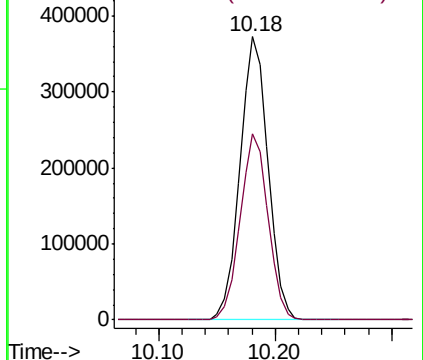
98 100

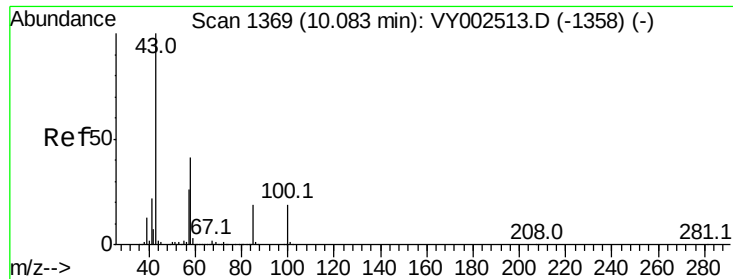
100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.016 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.09 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

Instrument :

MSVOA_Y

ClientSampled :

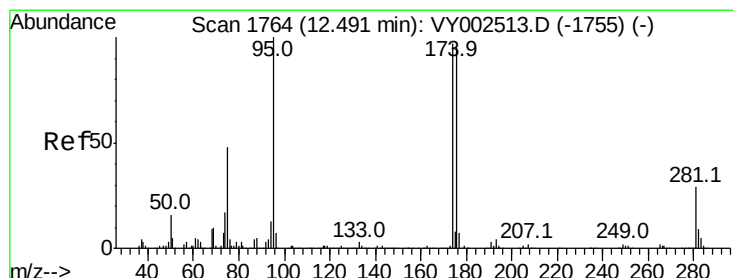
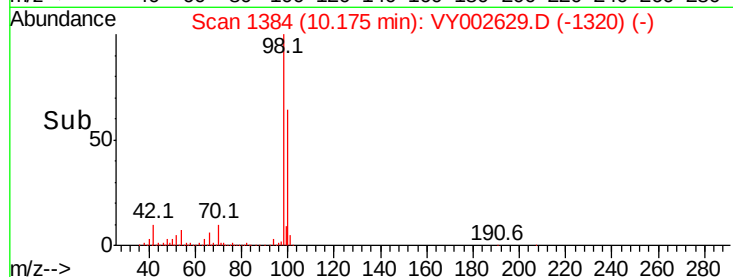
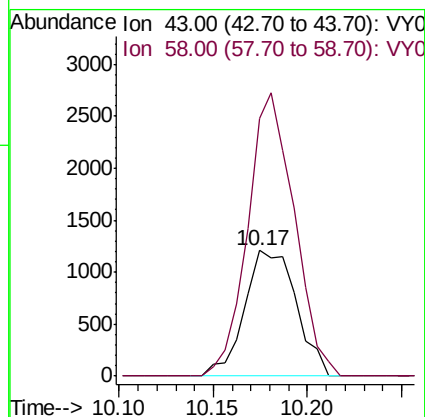
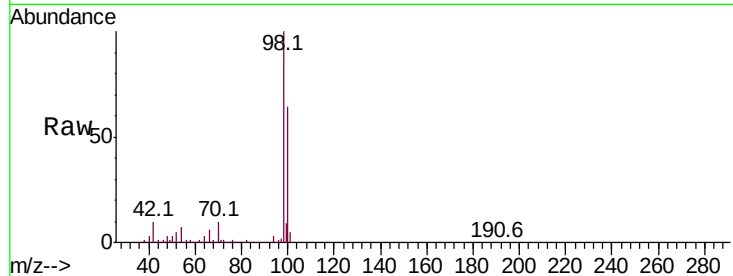
72-11936

Tot Ion: 43 Resp: 2298

Ion Ratio Lower Upper

43 100

58 202.8 33.2 49.8#



#62

4-Bromofluorobenzene

Concen: 49.827 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

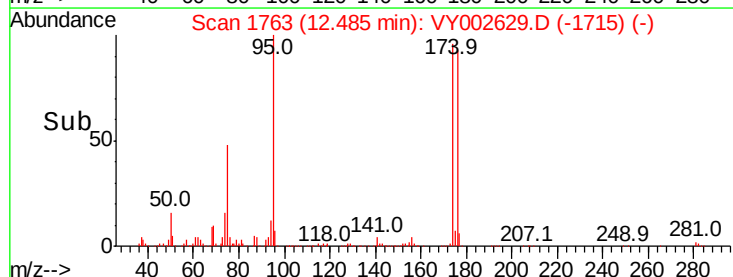
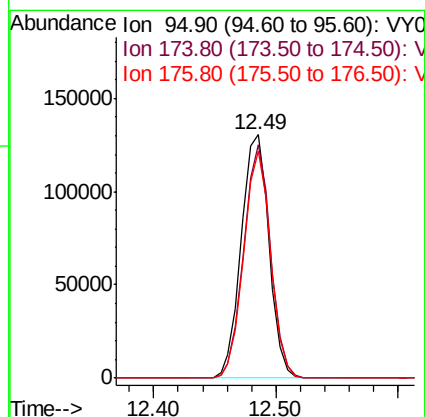
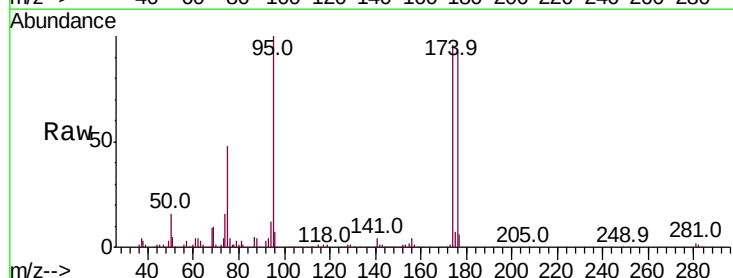
Tgt Ion: 95 Resp: 205142

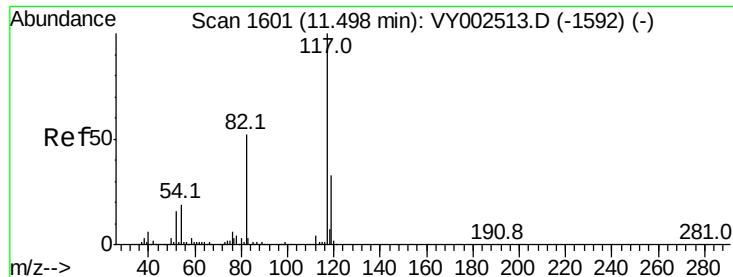
Ion Ratio Lower Upper

95 100

174 92.9 0.0 188.8

176 90.0 0.0 183.2

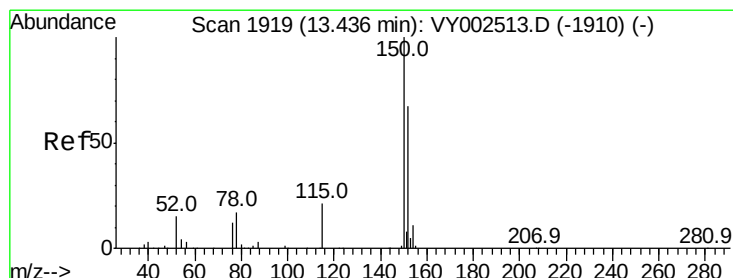
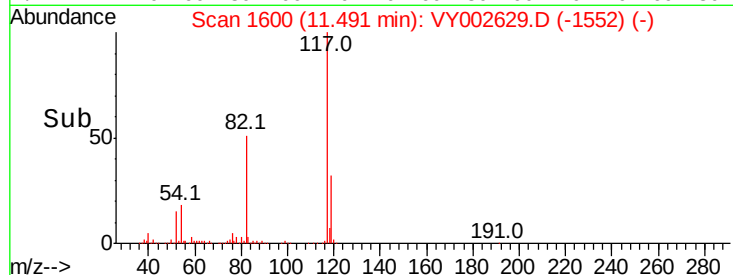
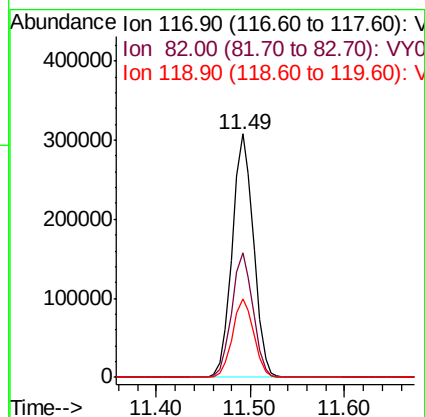
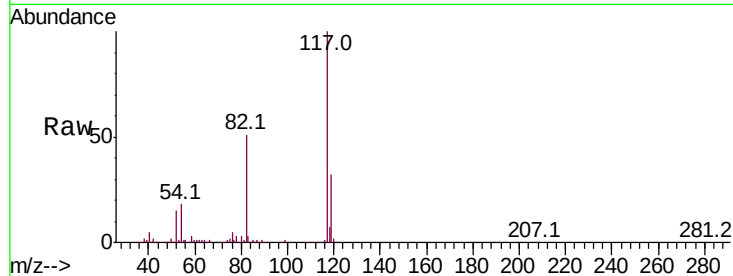




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002629.D
Acq: 07 May 2020 14:22

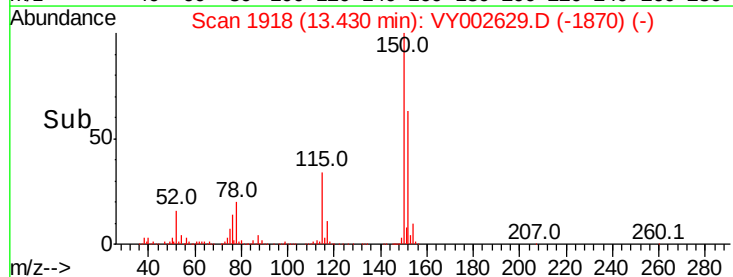
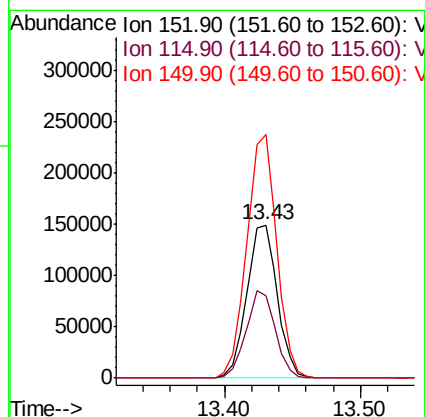
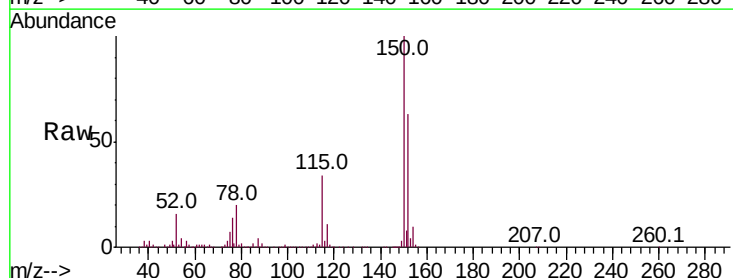
Instrument :
MSVOA_Y
ClientSampleId :
72-11936

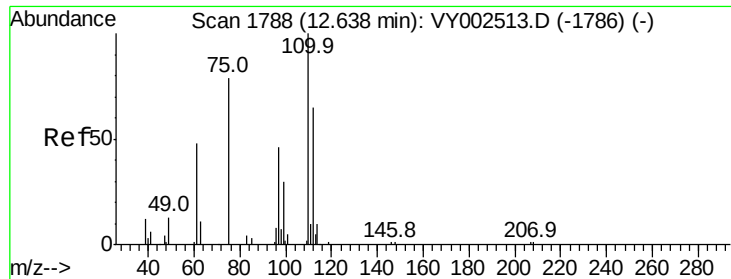
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.3	61.9
119	32.1	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002629.D
Acq: 07 May 2020 14:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.5	82.4
150	156.6	0.0	346.4

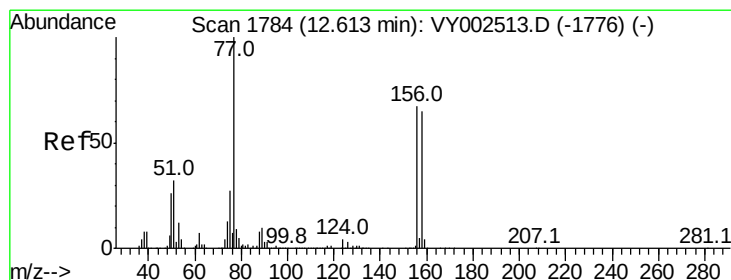
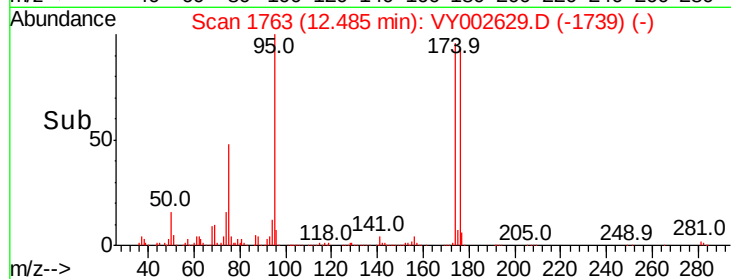
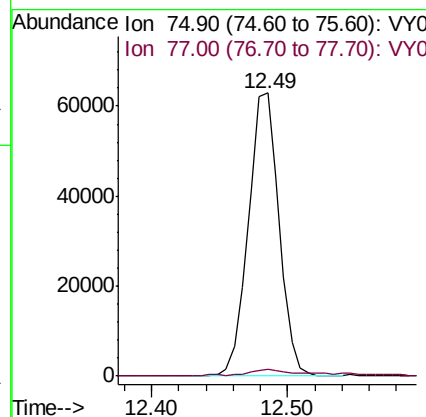
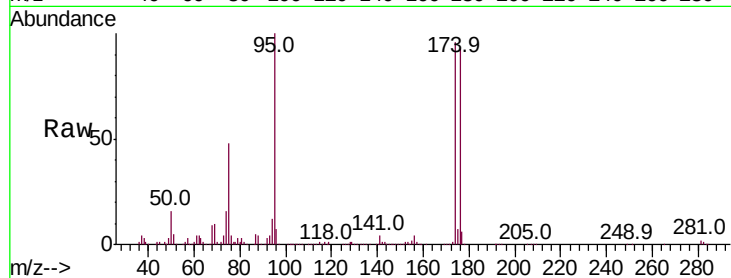




#76
 1,2,3-Trichloropropane
 Concen: 47.948 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002629.D
 Acq: 07 May 2020 14:22

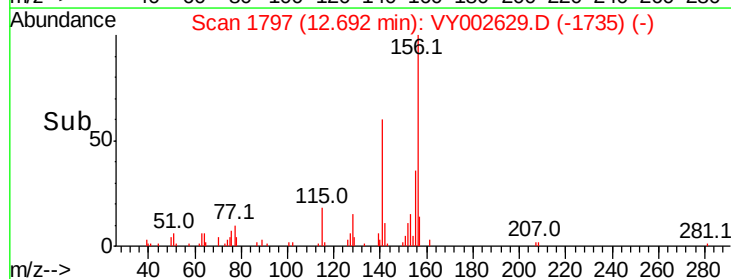
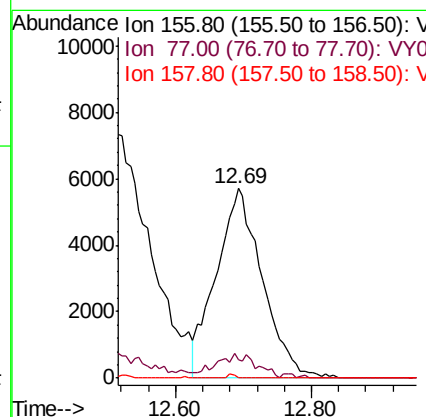
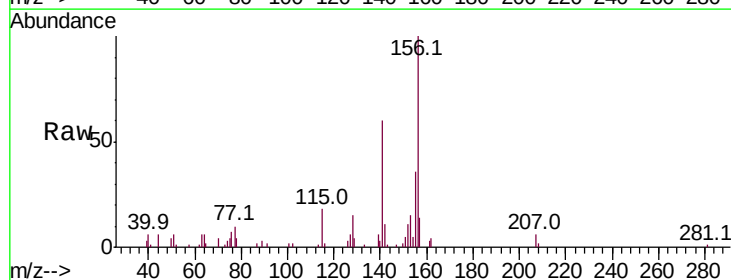
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11936

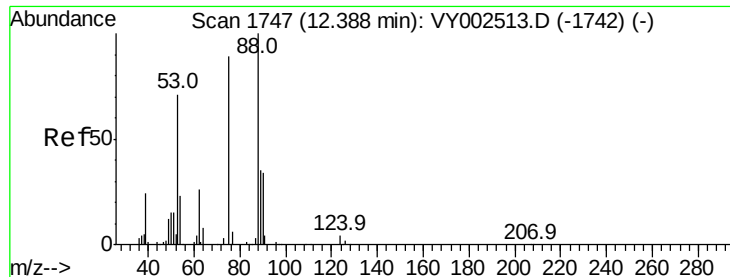
Tot Ion: 75 Resp: 99624
 Ion Ratio Lower Upper
 75 100
 77 3.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 7.108 ug/l
 RT: 12.69 min Scan# 1797
 Delta R.T. 0.08 min
 Lab File: VY002629.D
 Acq: 07 May 2020 14:22

Tgt Ion: 156 Resp: 26910
 Ion Ratio Lower Upper
 156 100
 77 4.7 82.0 245.8#
 158 0.3 48.5 145.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 96.145 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

72-11936

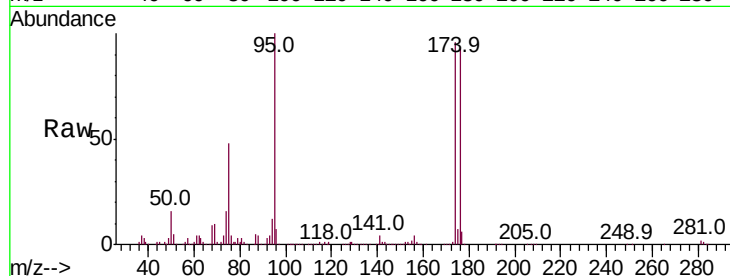
Tot Ion: 75 Resp: 99624

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

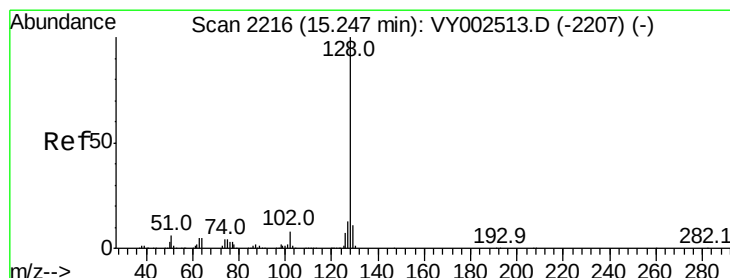
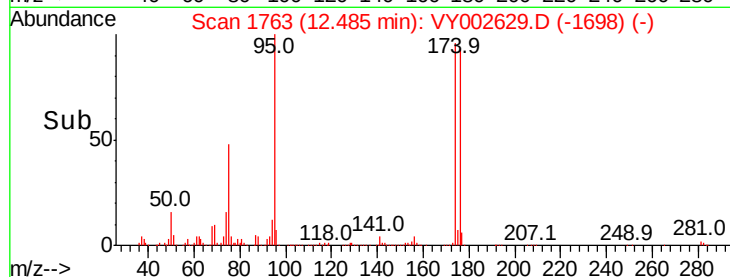
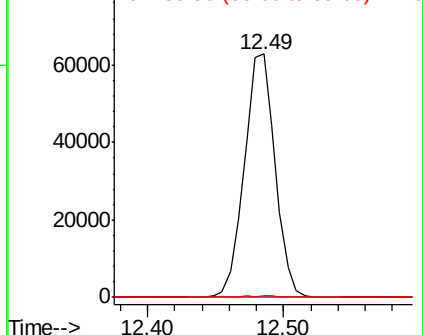
89 0.6 37.4 56.0#



Abundance Ion 74.90 (74.60 to 75.60): VY002513.D (-1742) (-)

Ion 53.00 (52.70 to 53.70): VY002513.D (-1742) (-)

Ion 88.90 (88.60 to 89.60): VY002513.D (-1742) (-)



#95

Naphthalene

Concen: 1.804 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002629.D

Acq: 07 May 2020 14:22

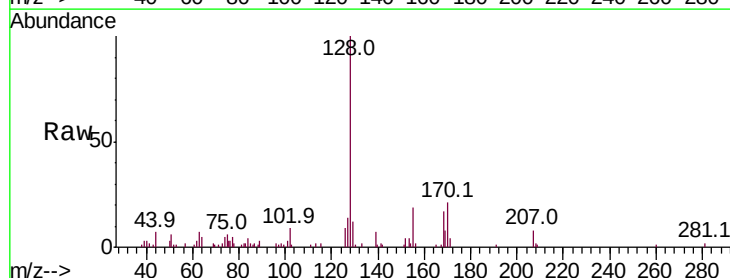
Tgt Ion: 128 Resp: 15272

Ion Ratio Lower Upper

128 100

127 15.1 10.5 15.7

129 14.1 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VY002513.D (-2207) (-)

Ion 127.00 (126.70 to 127.70): VY002513.D (-2207) (-)

Ion 129.00 (128.70 to 129.70): VY002513.D (-2207) (-)

