

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001535.D
 Acq On : 06 Feb 2020 16:56
 Operator : SY/MD
 Sample : L1393-01RE
 Misc : 7.13G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:08:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	164698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	301199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	271632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	108357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	98635	59.48	ug/l	0.00
Spiked Amount			Recovery	=	118.96%	
35) Dibromofluoromethane	7.74	113	92084	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
50) Toluene-d8	10.19	98	359811	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.49	95	124787	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	

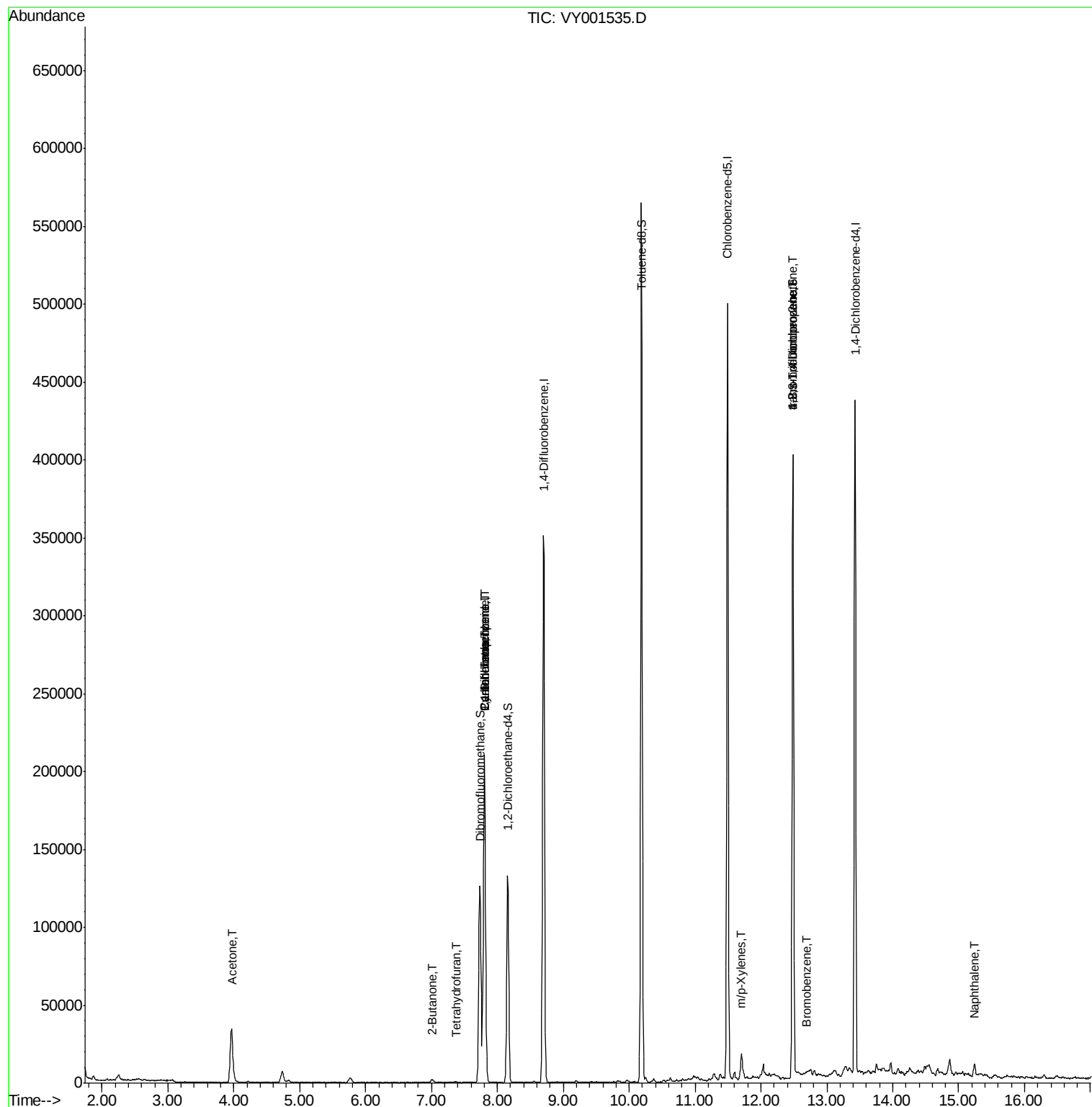
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	94	Below Cal	#	76
16) Acetone	3.96	43	61855	128.953	ug/l	96
20) Methylene Chloride	4.74	84	5255	Below Cal	#	90
25) 2-Butanone	7.02	43	2603	4.183	ug/l	97
29) Tetrahydrofuran	7.37	42	524	1.405	ug/l #	48
31) Cyclohexane	7.81	56	3955	1.225	ug/l #	10
36) 1,1-Dichloropropene	7.80	75	13352	4.846	ug/l #	48
38) Carbon Tetrachloride	7.80	117	16143	6.055	ug/l #	16
68) m/p-Xylenes	11.70	106	4218	1.139	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	62453	53.595	ug/l #	100
77) Bromobenzene	12.70	156	2668	1.492	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	62453	103.704	ug/l #	16
95) Naphthalene	15.24	128	4976	1.012	ug/l #	95

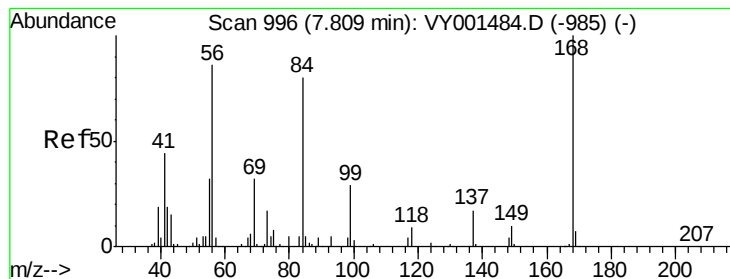
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

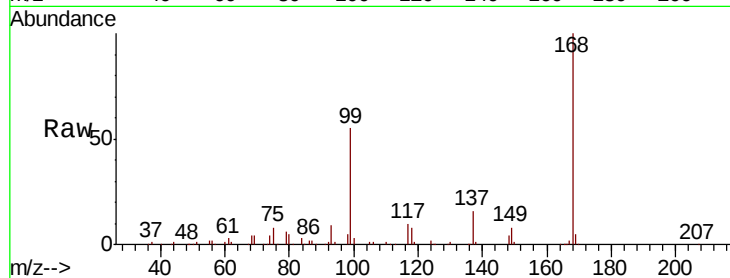
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 164698

Ion Ratio Lower Upper

168 100

99 54.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.80

80000

60000

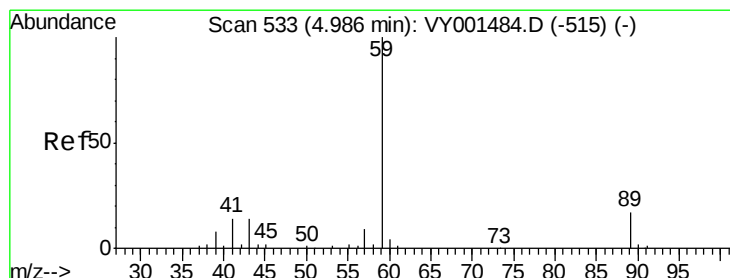
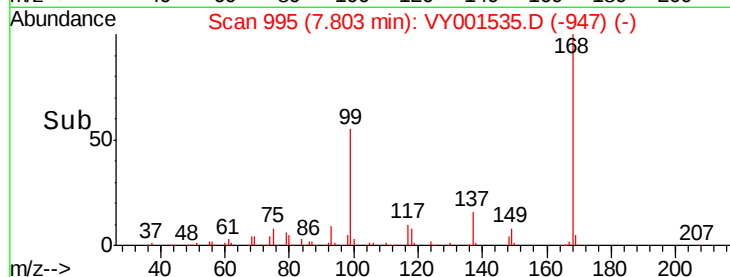
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY001535.D

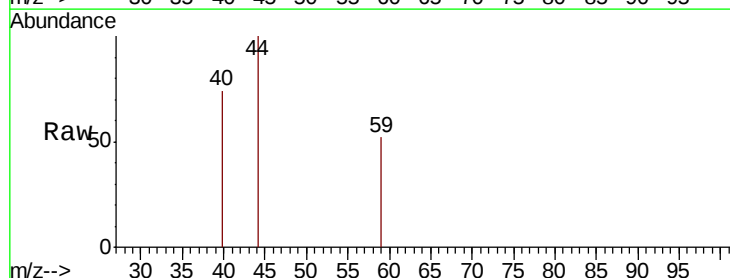
Acq: 06 Feb 2020 16:56

Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)

120

100

80

60

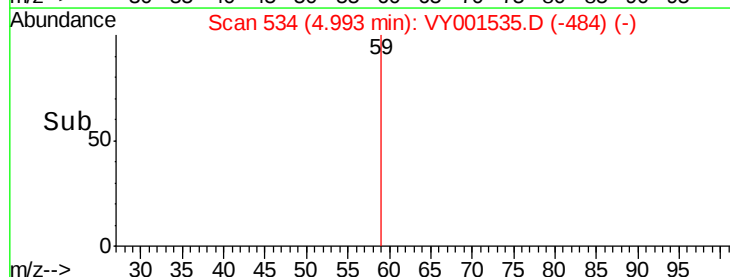
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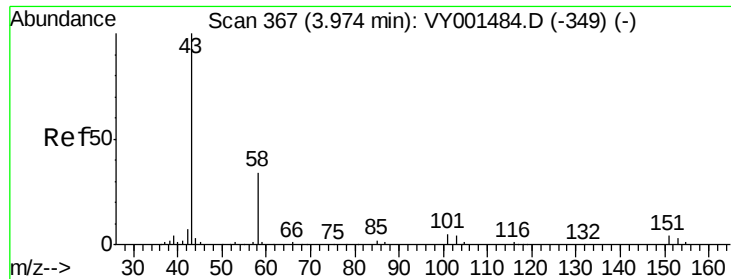
20

0

4.98 4.99 5.00 5.02

Time-->

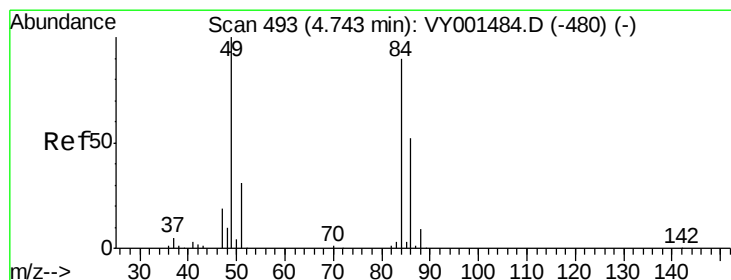
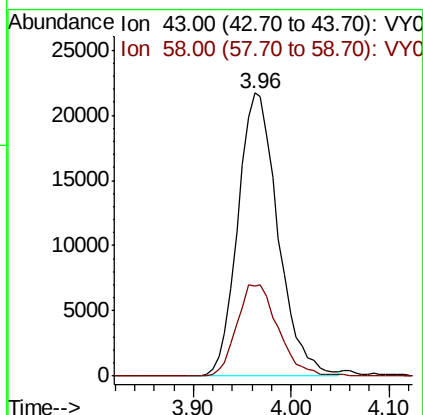
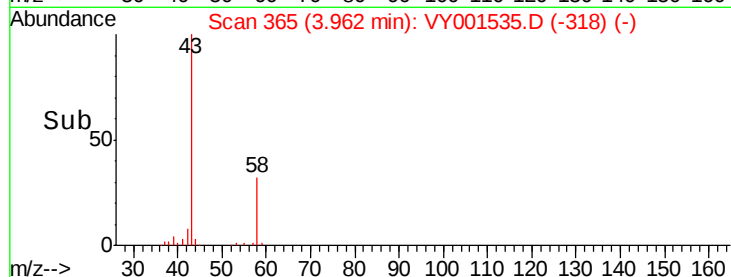
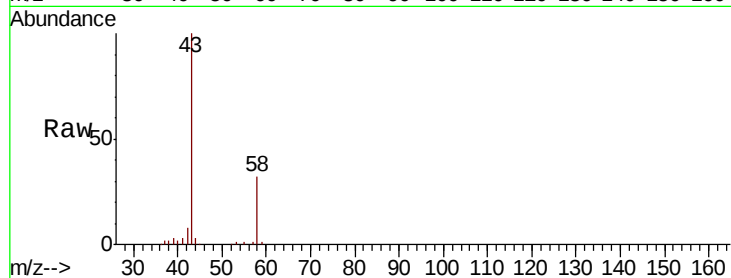




#16
Acetone
Concen: 128.953 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

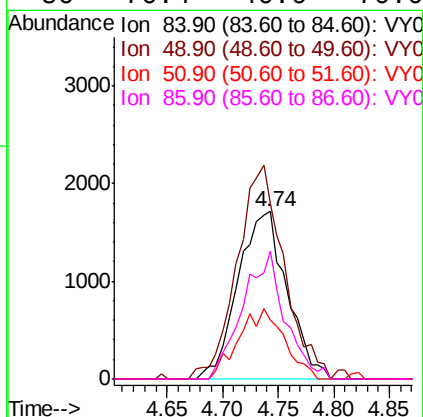
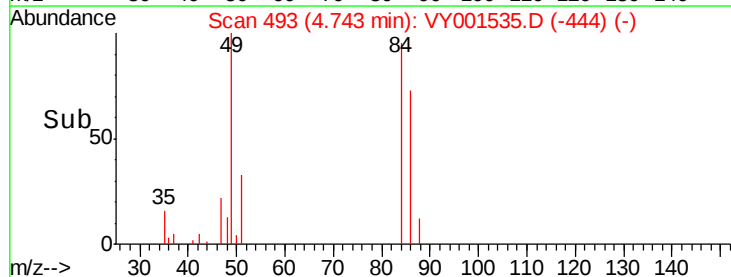
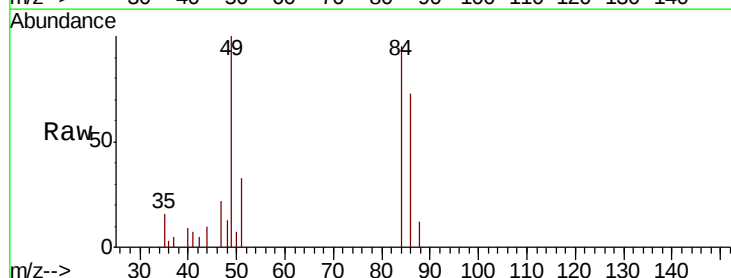
Instrument :
MSVOA_Y
ClientSampleId :

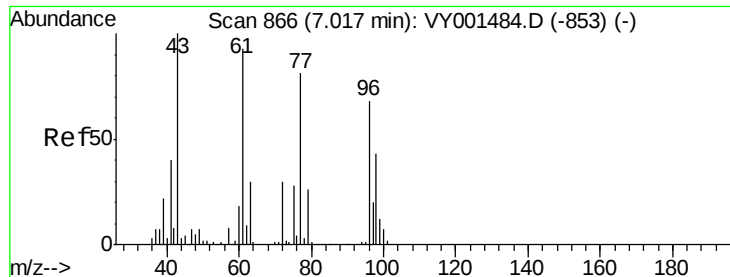
Tot Ion: 43 Resp: 61855
Ion Ratio Lower Upper
43 100
58 31.9 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

Tgt Ion: 84 Resp: 5255
Ion Ratio Lower Upper
84 100
49 105.0 89.0 133.6
51 35.0 27.4 41.2
86 76.4 46.6 70.0#





#25

2-Butanone

Concen: 4.183 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

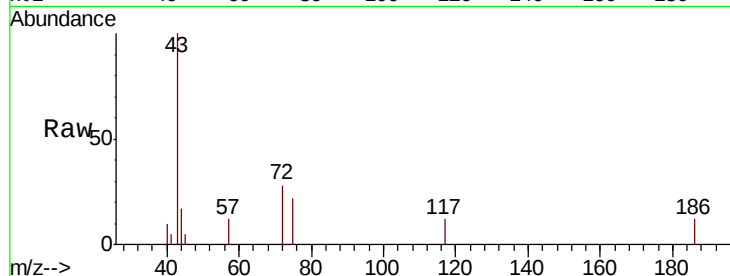
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2603

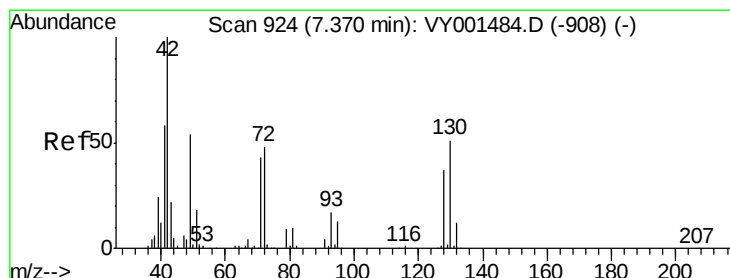
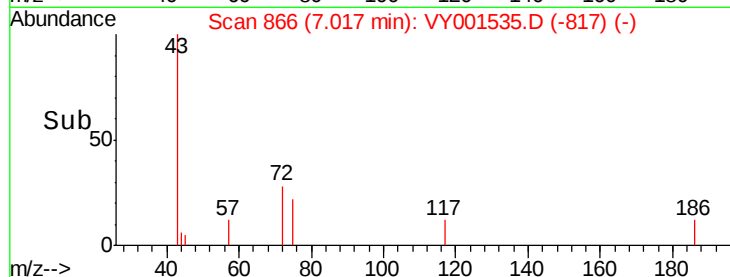
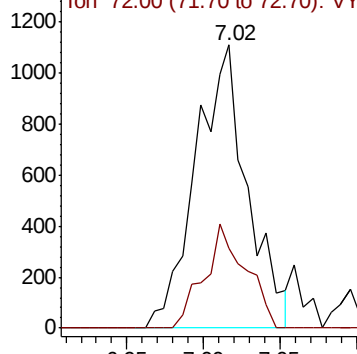
Ion Ratio Lower Upper

43 100

72 28.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.405 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.00 min

Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

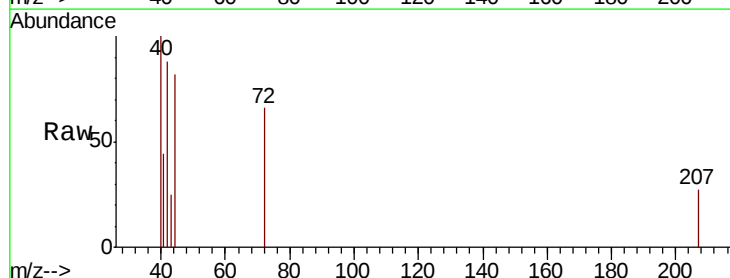
Tgt Ion: 42 Resp: 524

Ion Ratio Lower Upper

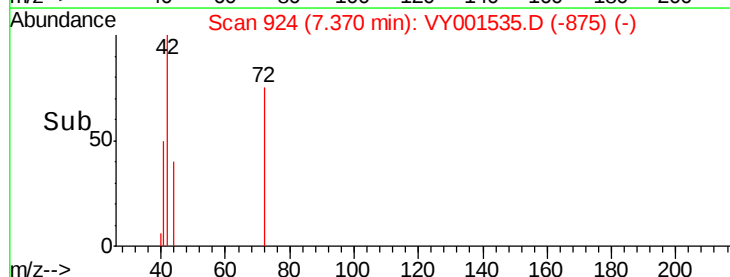
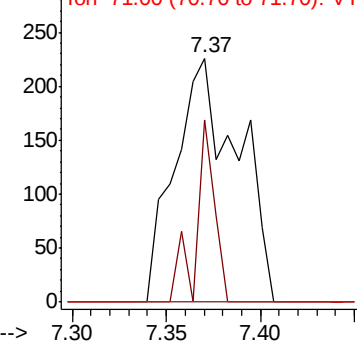
42 100

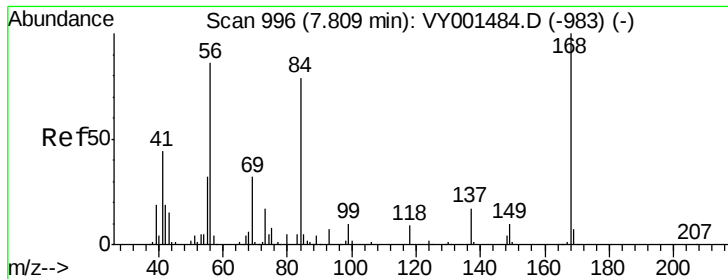
72 21.9 37.8 56.6#

71 0.0 34.8 52.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

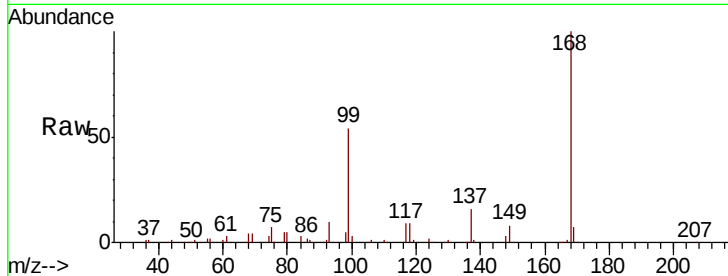




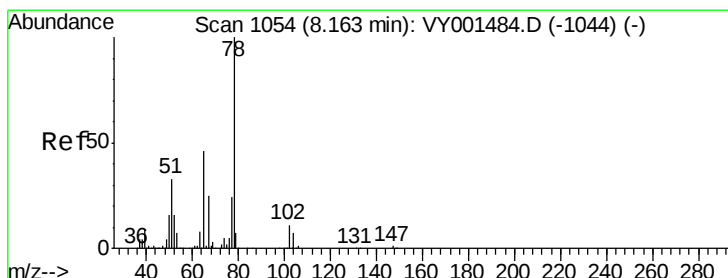
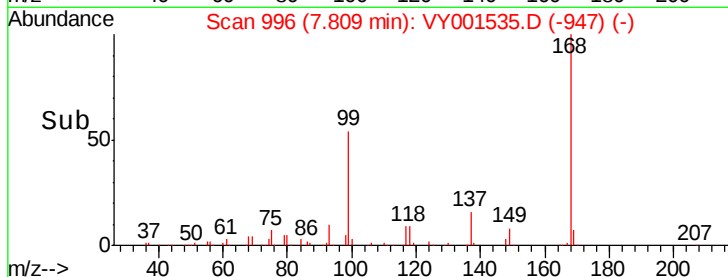
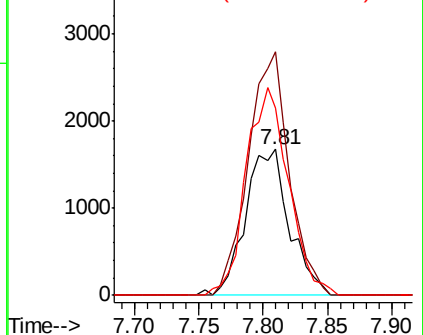
#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3955
Ion Ratio Lower Upper
56 100
69 166.8 29.6 44.4#
84 128.7 73.6 110.4#

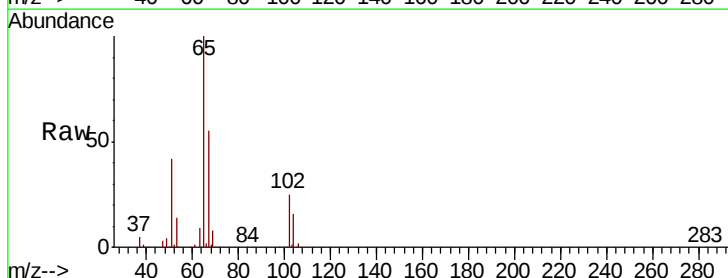


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

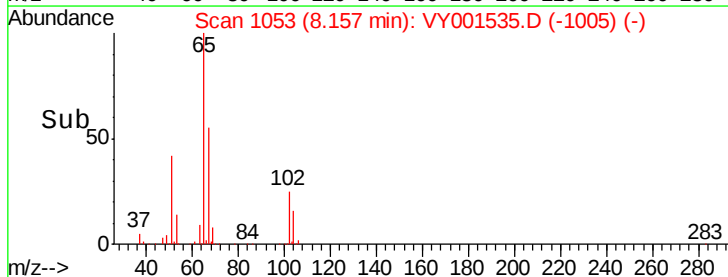
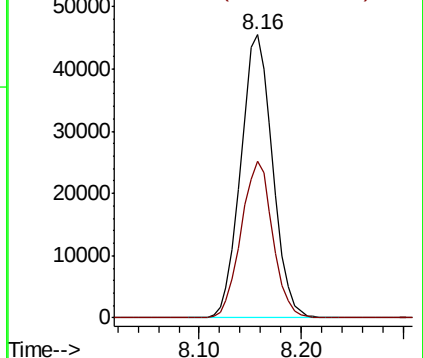


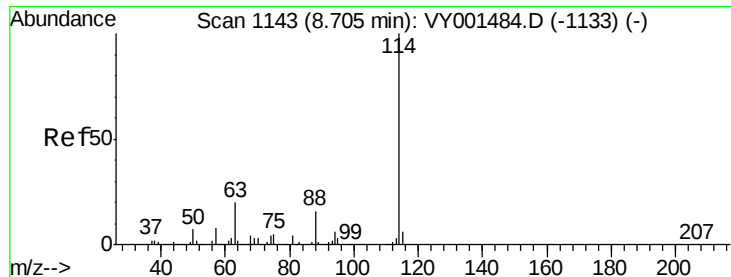
#33
1,2-Dichloroethane-d4
Concen: 59.481 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

Tgt Ion: 65 Resp: 98635
Ion Ratio Lower Upper
65 100
67 55.1 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

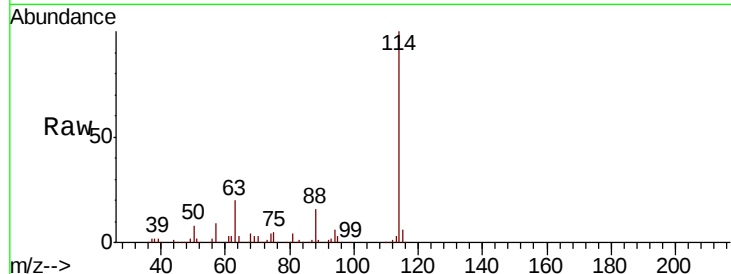




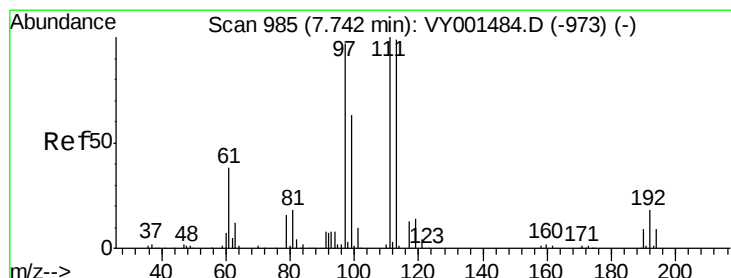
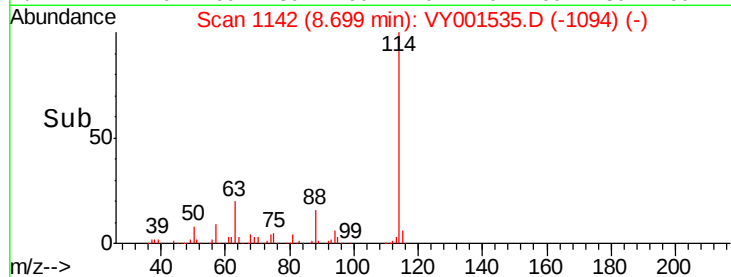
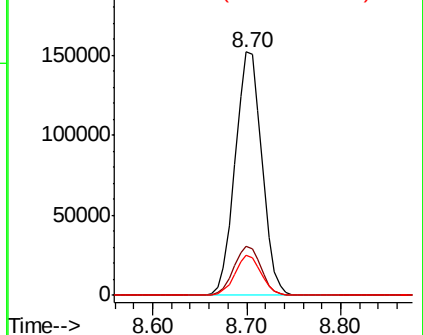
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001535.D
 Acq: 06 Feb 2020 16:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.8
88	16.3	0.0	32.6

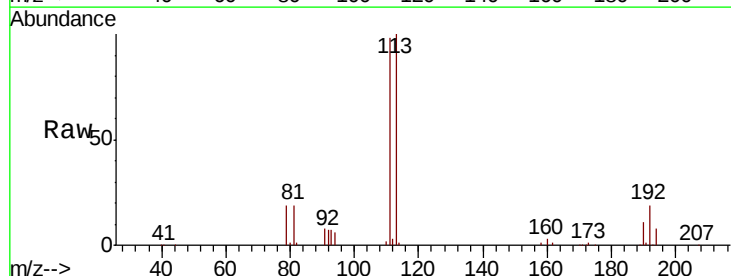


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

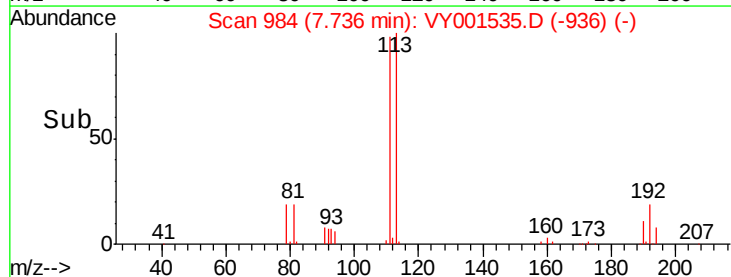
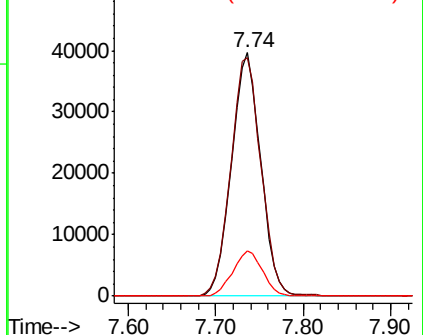


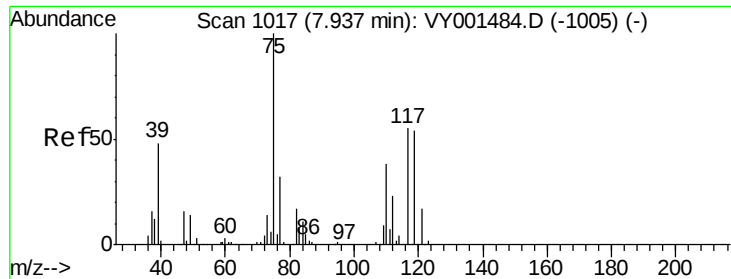
#35
 Dibromofluoromethane
 Concen: 53.018 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001535.D
 Acq: 06 Feb 2020 16:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.9	124.3
192	18.8	14.6	22.0



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

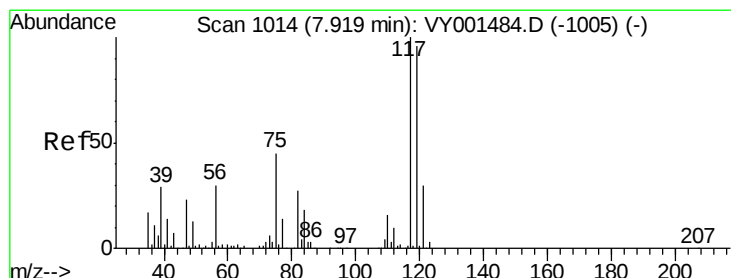
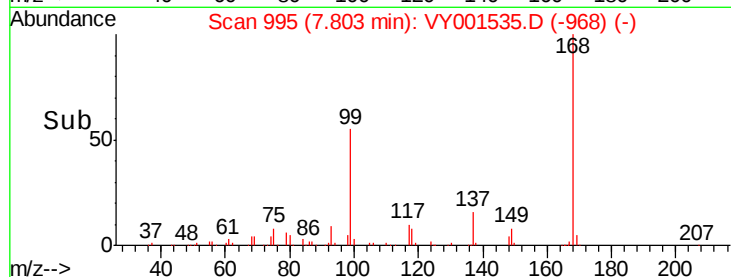
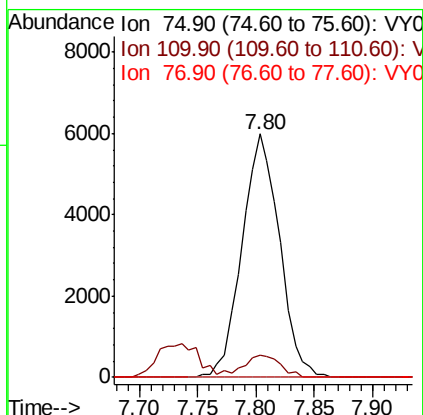
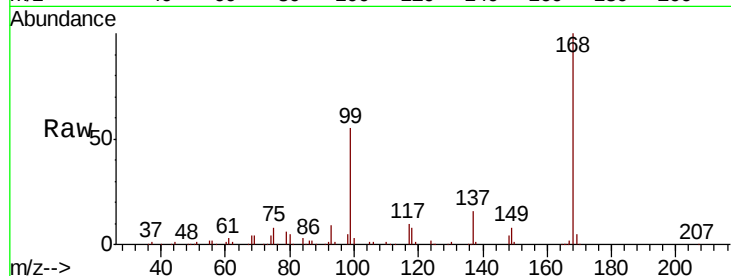




#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY001535.D
 Acq: 06 Feb 2020 16:56

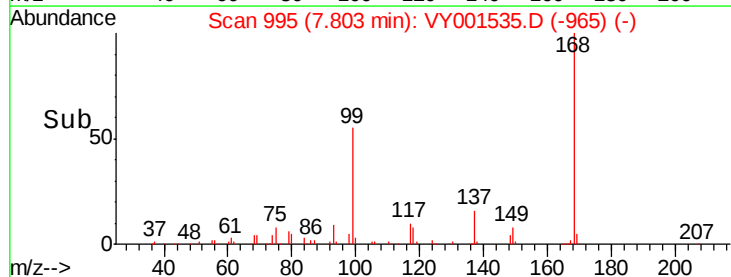
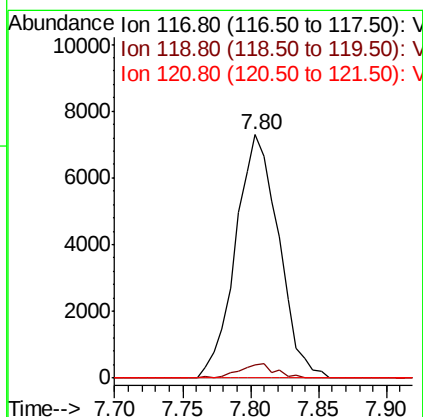
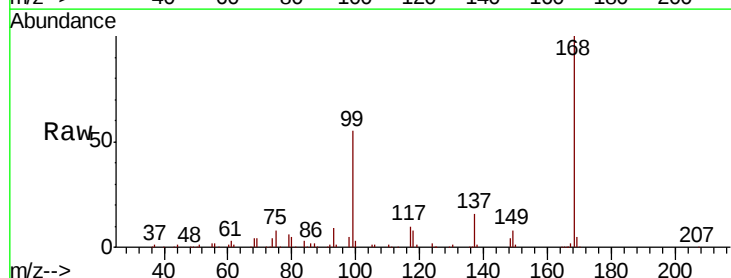
Instrument :
 MSVOA_Y
 ClientSampleId :

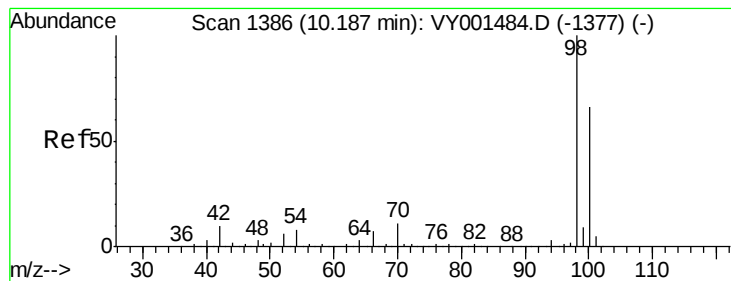
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.055 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001535.D
 Acq: 06 Feb 2020 16:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 54.755 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

Instrument :

MSVOA_Y

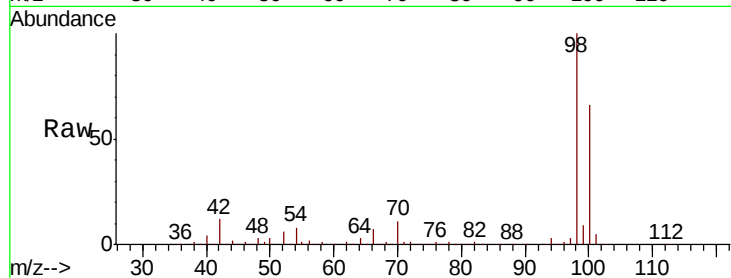
ClientSampleId :

Tot Ion: 98 Resp: 359811

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001535.D (-1337) (-)

250000

200000

150000

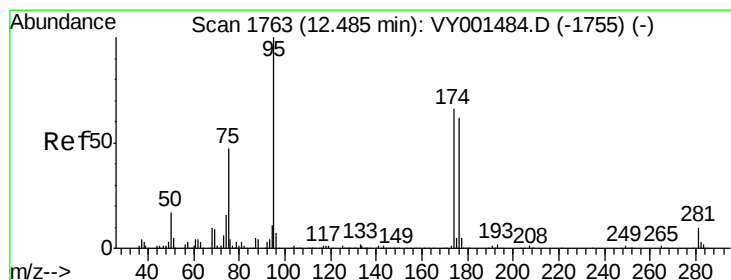
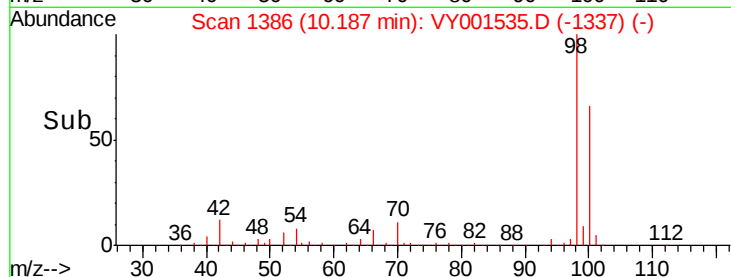
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 48.204 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

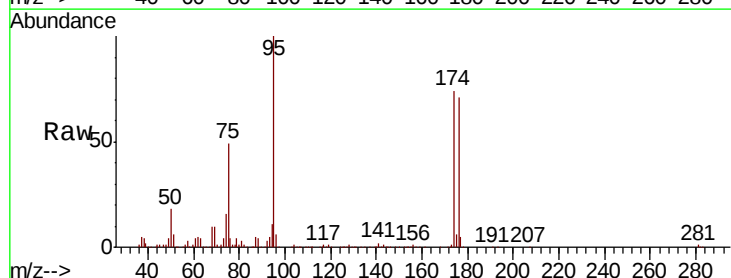
Tgt Ion: 95 Resp: 124787

Ion Ratio Lower Upper

95 100

174 74.1 0.0 141.4

176 72.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY001484.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001484.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001535.D (-1714) (-)

100000

80000

60000

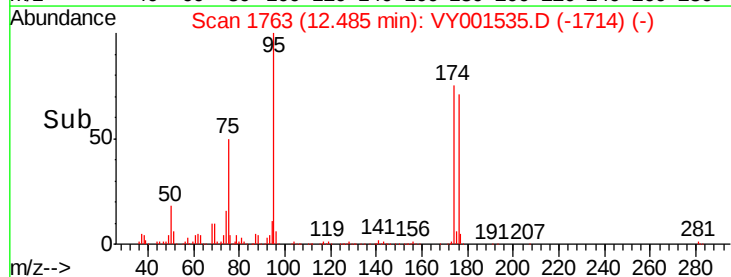
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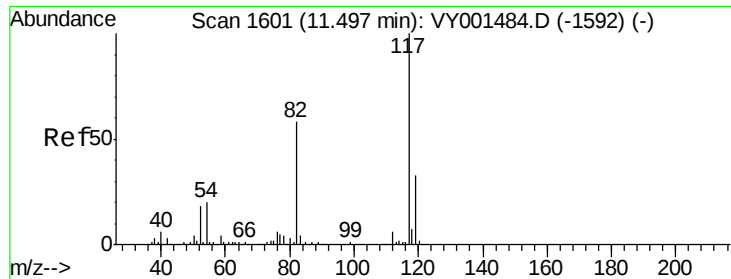
20000

0

12.40 12.45 12.50 12.55

Time-->

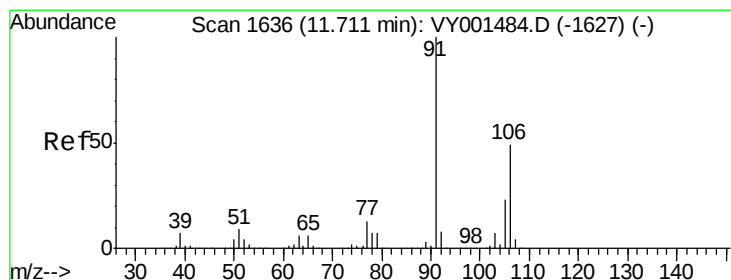
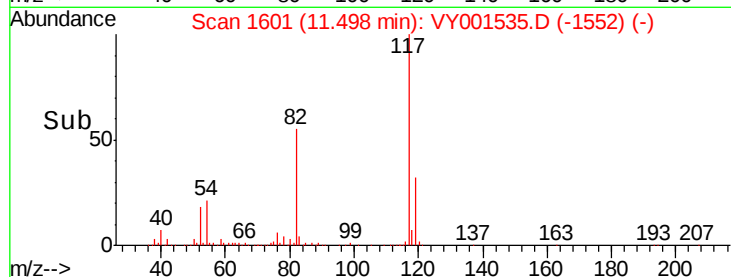
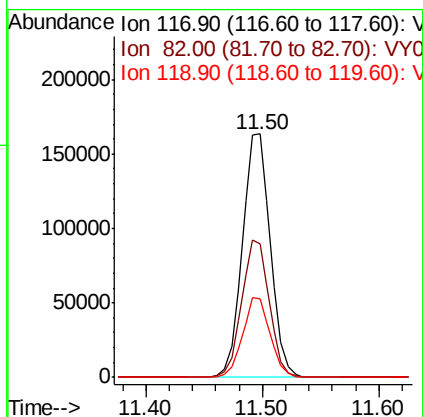
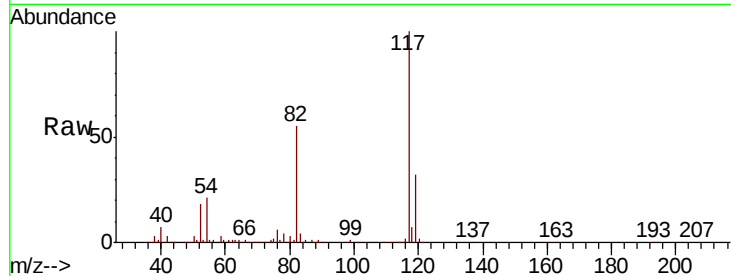




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

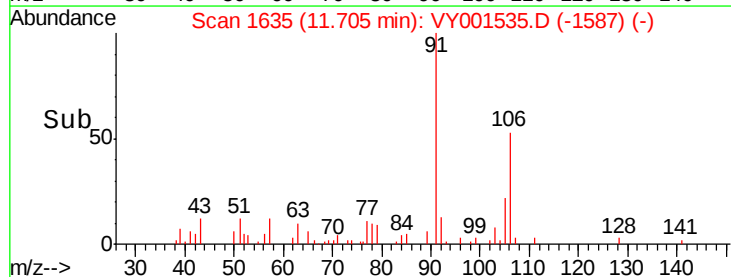
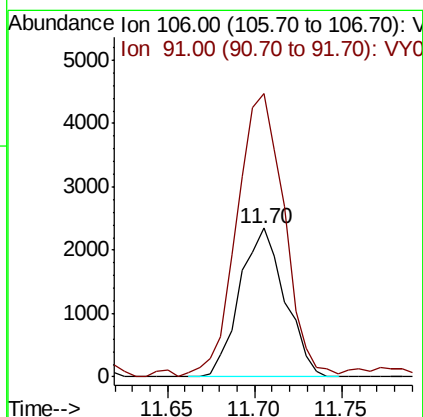
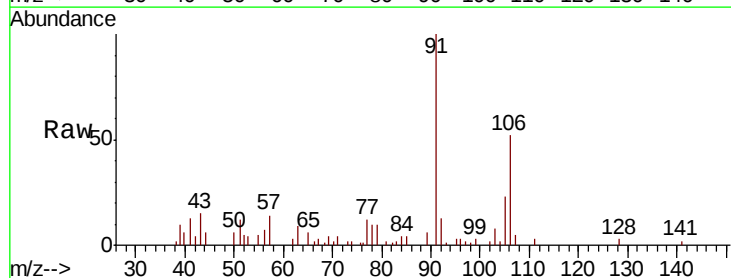
Instrument :
MSVOA_Y
ClientSampled :

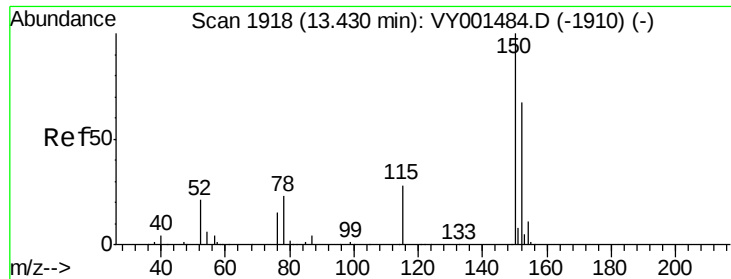
Tot Ion:117 Resp: 271632
Ion Ratio Lower Upper
117 100
82 54.9 46.1 69.1
119 32.1 26.1 39.1



#68
m/p-Xylenes
Concen: 1.139 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

Tgt Ion:106 Resp: 4218
Ion Ratio Lower Upper
106 100
91 200.0 163.6 245.4



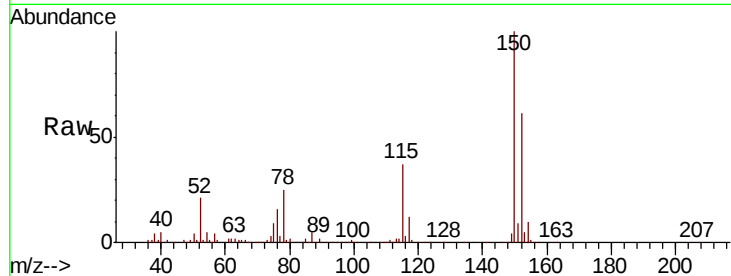


#72

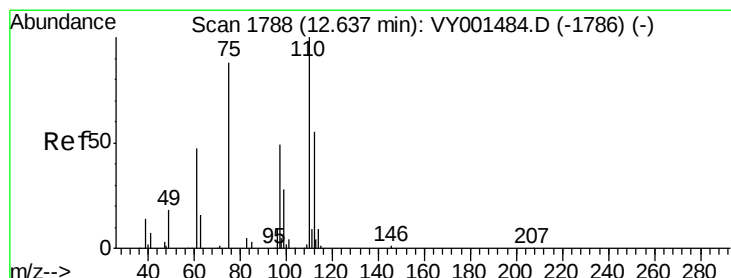
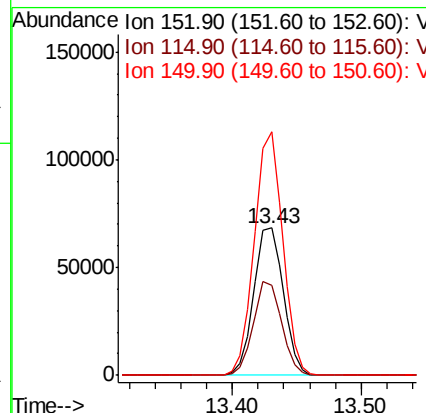
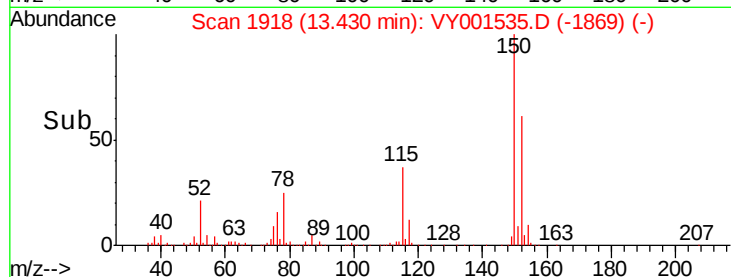
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.4	94.3
150	158.0	0.0	346.8



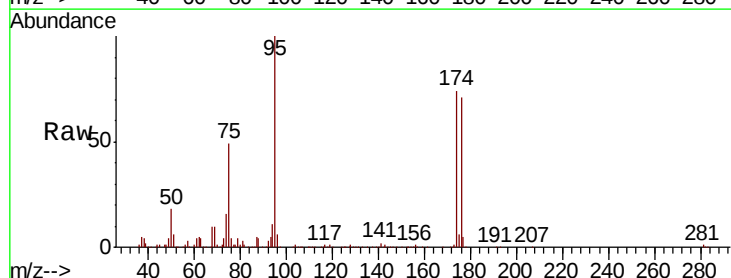
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



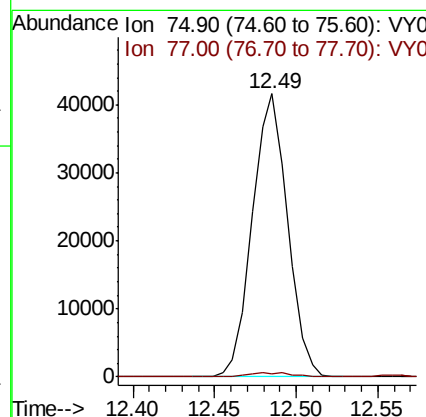
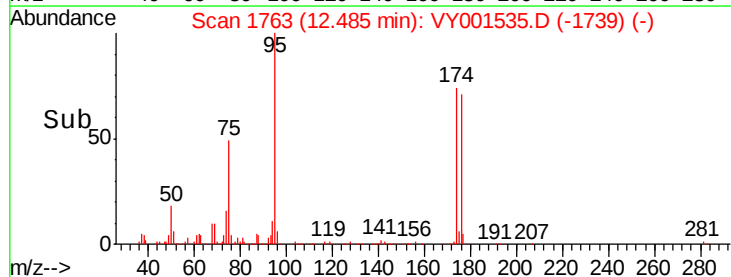
#76

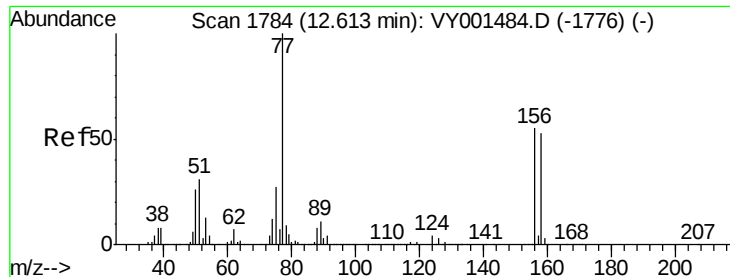
1,2,3-Trichloropropane
Concen: 53.595 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY001535.D
Acq: 06 Feb 2020 16:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.1	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: 1.492 ug/l

RT: 12.70 min Scan# 1798

Delta R.T. 0.09 min

Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

Instrument :

MSVOA_Y

ClientSampled :

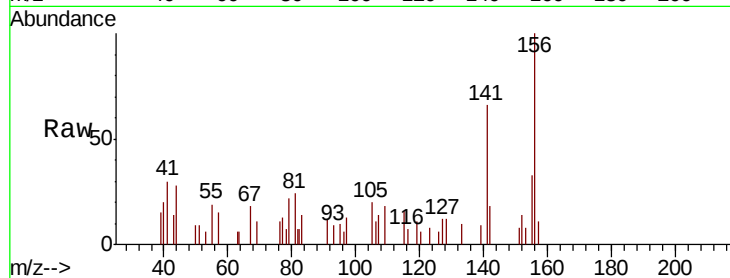
Tot Ion:156 Resp: 2668

Ion Ratio Lower Upper

156 100

77 3.8 99.8 299.3#

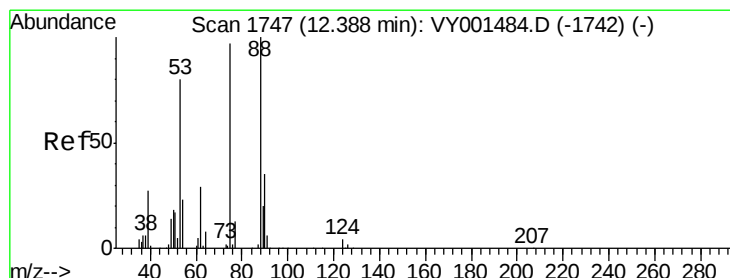
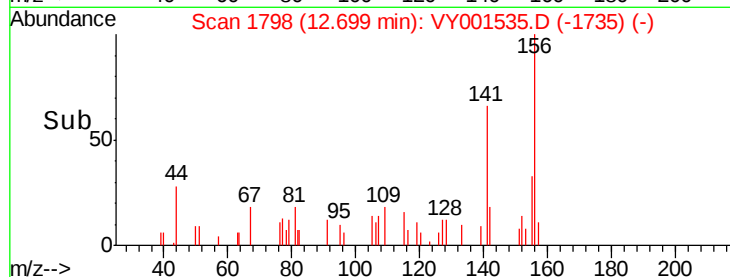
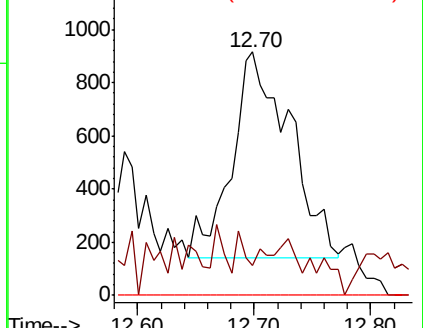
158 0.0 47.5 142.6#



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: 103.704 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

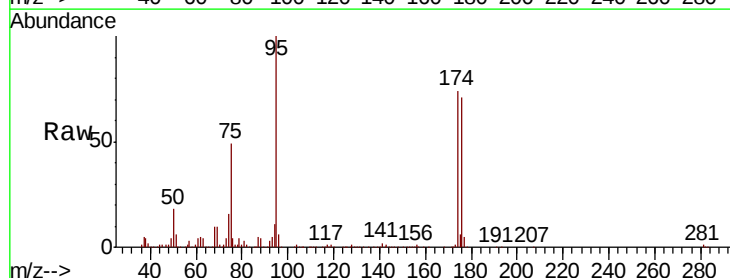
Tgt Ion: 75 Resp: 62453

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

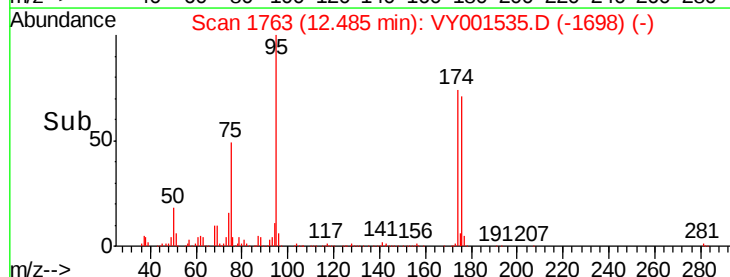
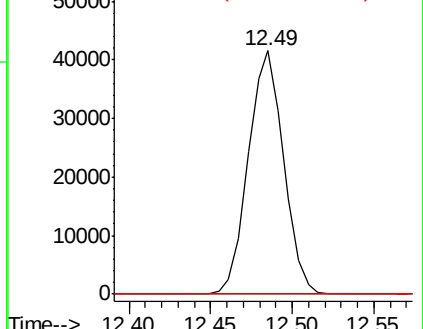
89 0.1 34.6 52.0#

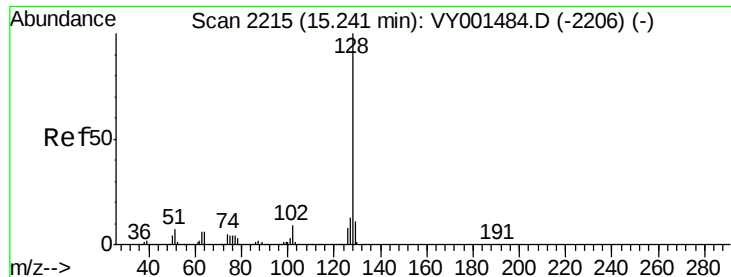


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.012 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

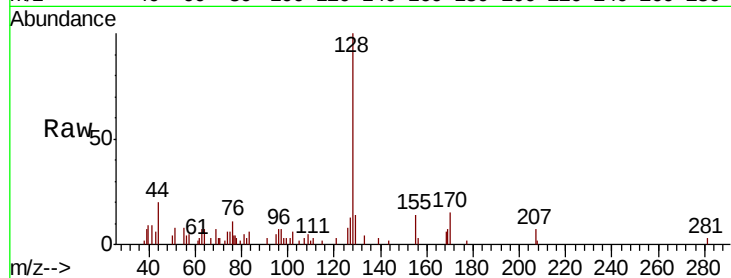
Lab File: VY001535.D

Acq: 06 Feb 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :



Tot Ion:128 Resp: 4976

Ion Ratio Lower Upper

128 100

127 13.9 10.1 15.1

129 13.9 8.9 13.3#

