

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002630.D
 Acq On : 07 May 2020 14:44
 Operator : SY/MD
 Sample : L2546-01
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 08 02:37:21 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	345800	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	546386	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	493059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	238789	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	168611	57.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	115.98%	
35) Dibromofluoromethane	7.72	113	166903	53.41	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.82%	
50) Toluene-d8	10.18	98	635749	52.10	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.48	95	212858	51.41	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.82%	

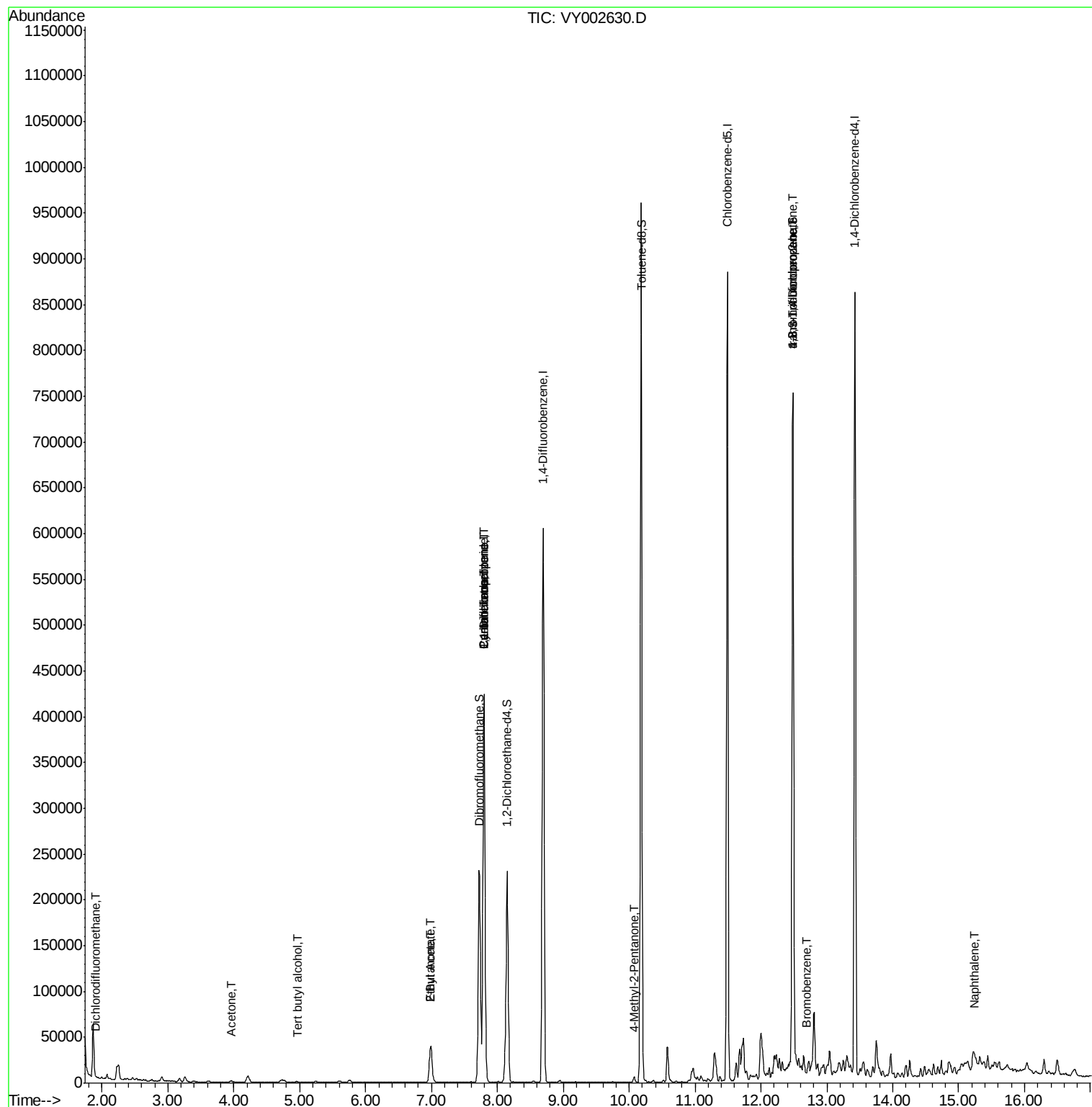
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	214	1.857	ug/l	97
11) Tert butyl alcohol	4.97	59	1714	5.730	ug/l #	74
16) Acetone	3.96	43	3098	5.163	ug/l #	87
25) 2-Butanone	6.99	43	2513	2.558	ug/l #	45
31) Cyclohexane	7.80	56	5711	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21677	4.733	ug/l #	49
37) Ethyl Acetate	6.99	43	2513	1.068	ug/l #	17
38) Carbon Tetrachloride	7.80	117	31080	6.215	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	4068	1.789	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	102391	48.251	ug/l #	100
77) Bromobenzene	12.69	156	8199	2.121	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	102391	96.753	ug/l #	16
95) Naphthalene	15.24	128	8709	1.007	ug/l #	93

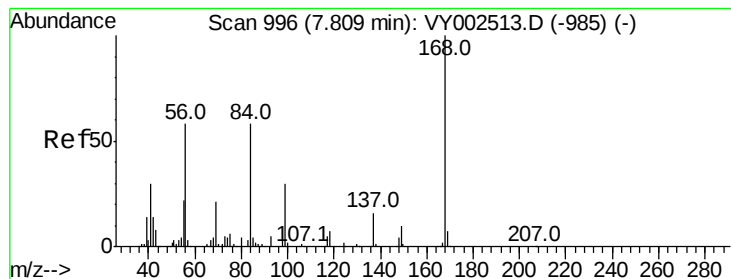
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

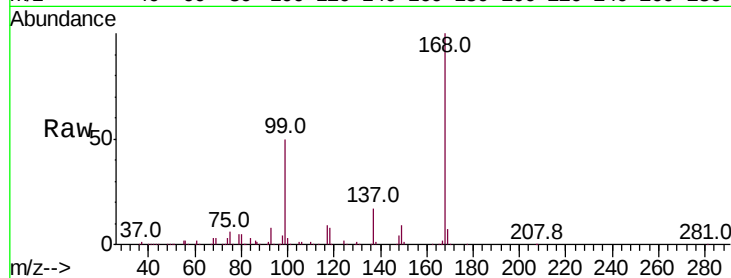
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 345800

Ion Ratio Lower Upper

168 100

99 49.9 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

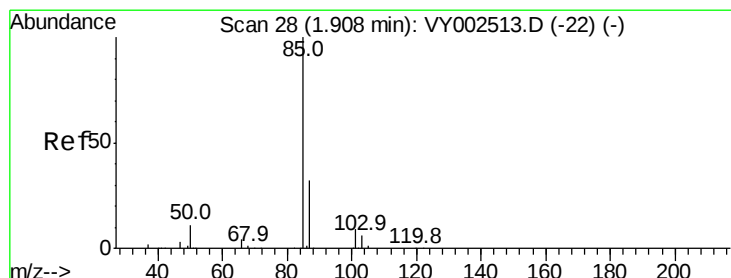
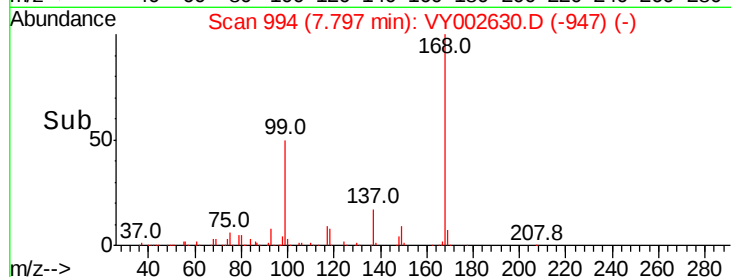
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.857 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002630.D

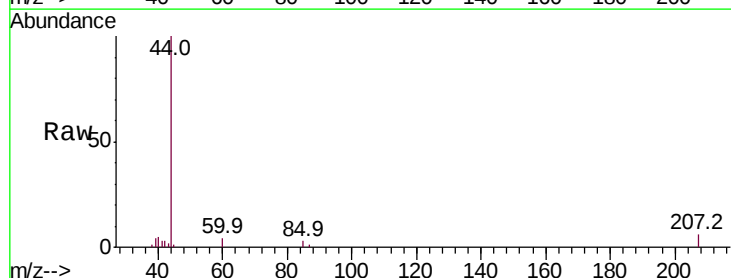
Acq: 07 May 2020 14:44

Tgt Ion: 85 Resp: 214

Ion Ratio Lower Upper

85 100

87 33.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

200

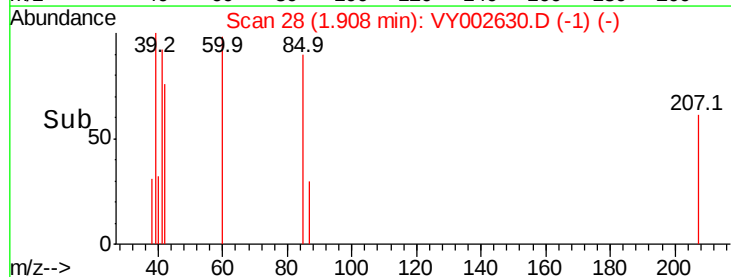
150

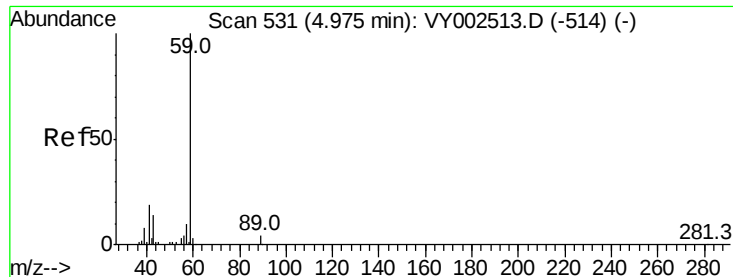
100

50

0

Time-->



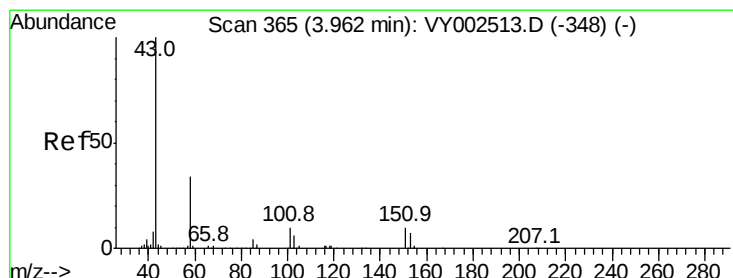
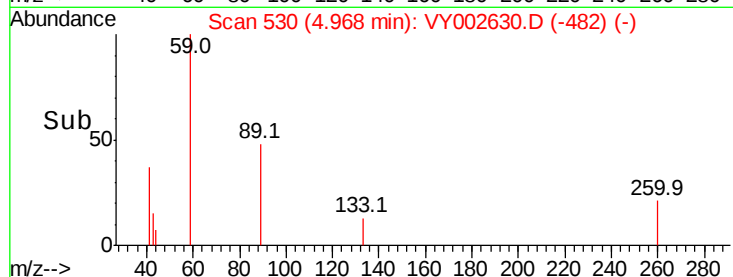
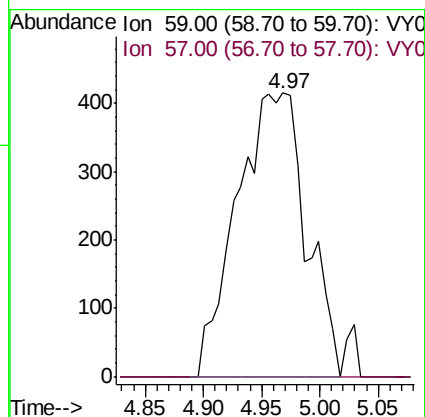
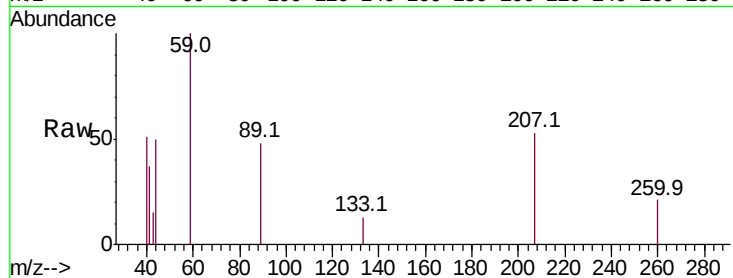


#11

Tert butyl alcohol
 Concen: 5.730 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002630.D
 Acq: 07 May 2020 14:44

Instrument :
 MSVOA_Y
 ClientSampled :

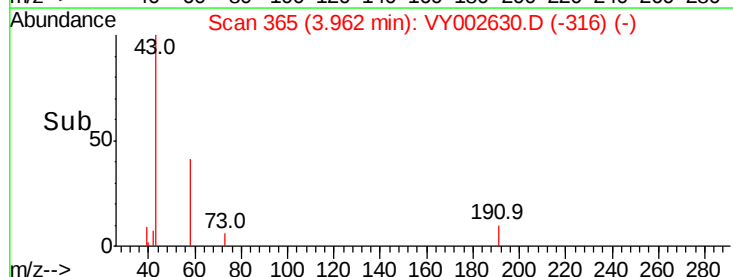
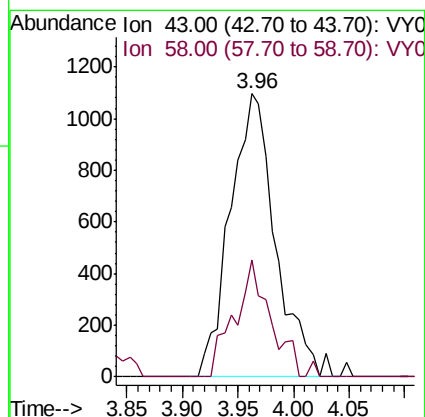
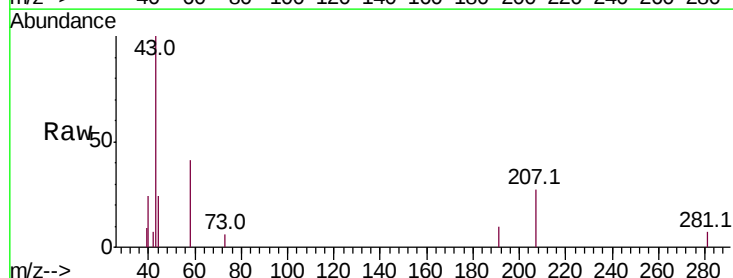
Tot Ion: 59 Resp: 1714
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

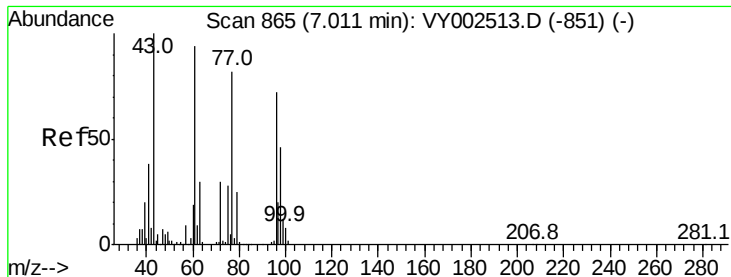


#16

Acetone
 Concen: 5.163 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY002630.D
 Acq: 07 May 2020 14:44

Tgt Ion: 43 Resp: 3098
 Ion Ratio Lower Upper
 43 100
 58 41.2 26.9 40.3#





#25

2-Butanone

Concen: 2.558 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

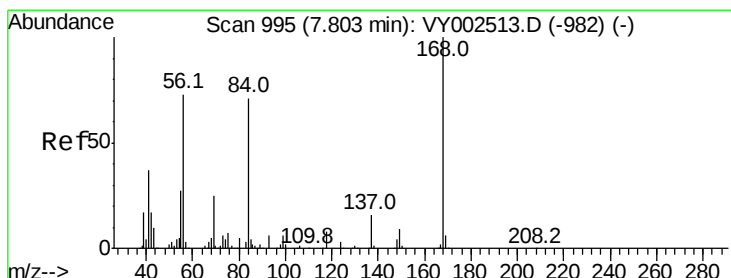
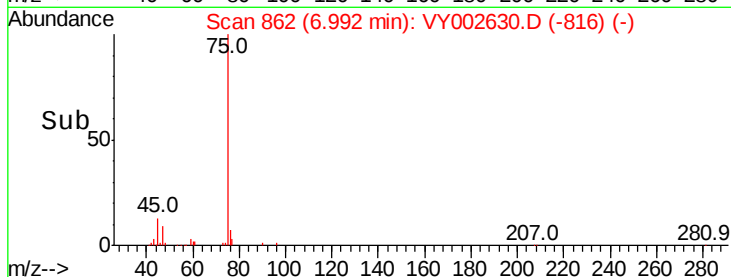
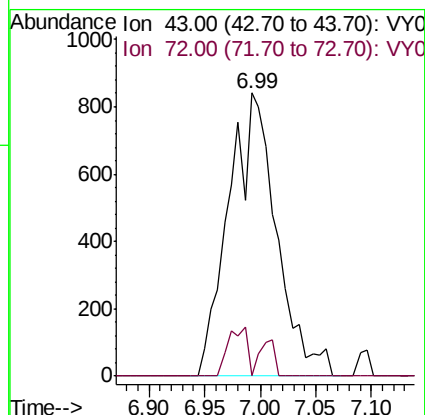
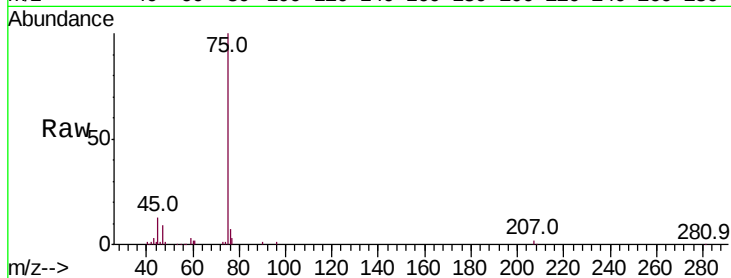
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2513

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

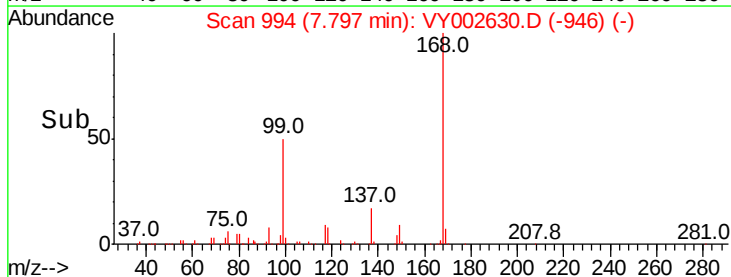
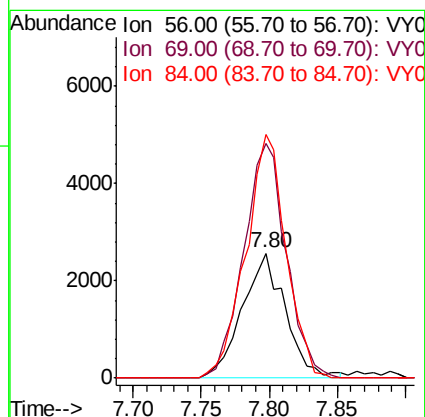
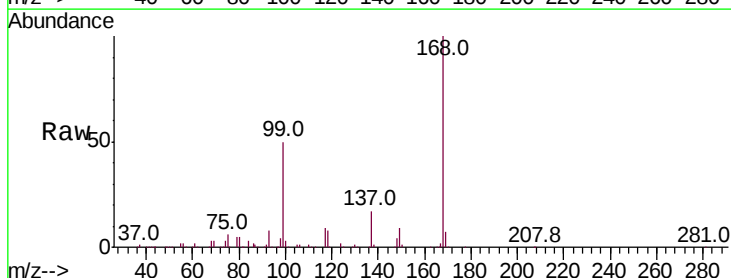
Tgt Ion: 56 Resp: 5711

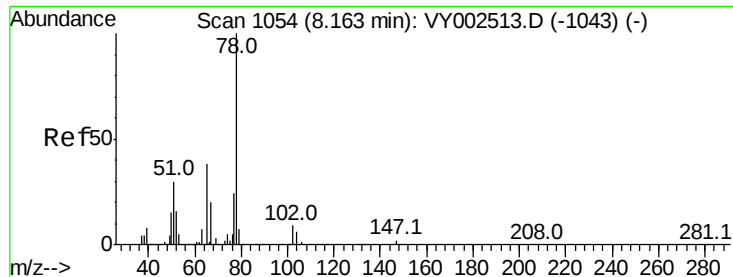
Ion Ratio Lower Upper

56 100

69 187.7 27.6 41.4#

84 195.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.991 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

Instrument :

MSVOA_Y

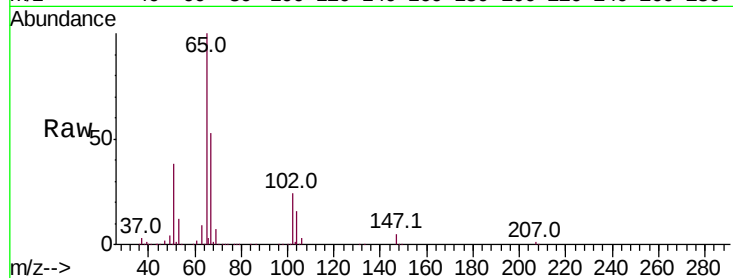
ClientSampleId :

Tot Ion: 65 Resp: 168611

Ion Ratio Lower Upper

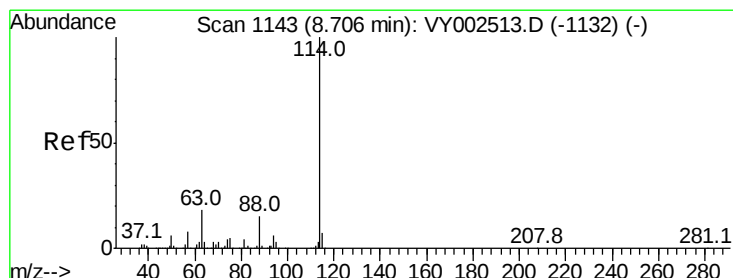
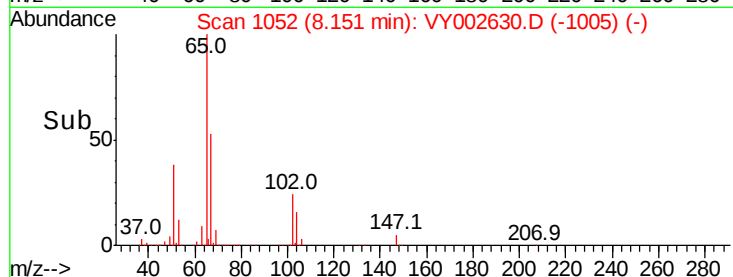
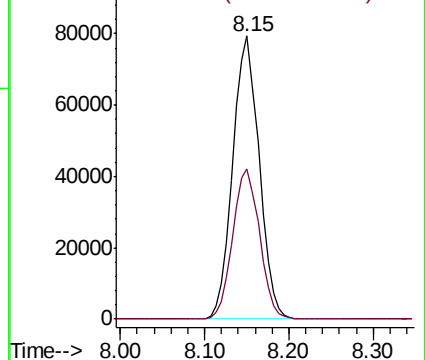
65 100

67 54.0 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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

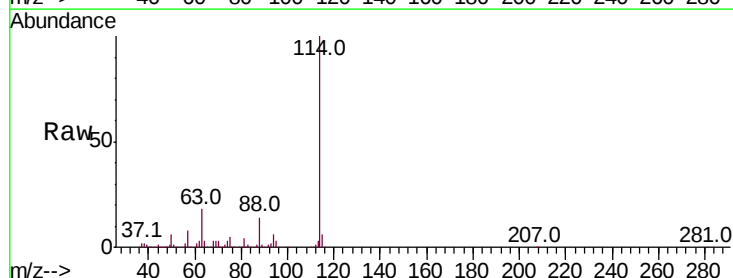
Tgt Ion: 114 Resp: 546386

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.4

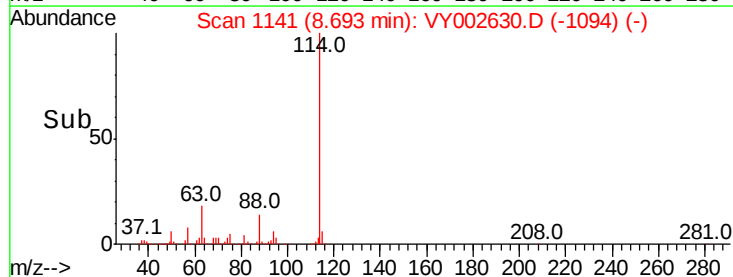
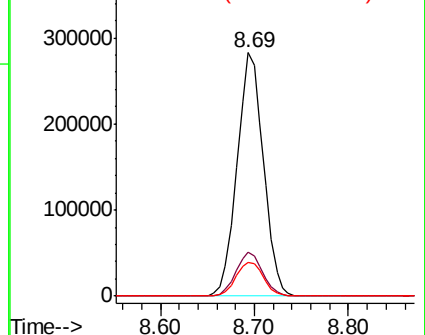
88 13.9 0.0 29.6

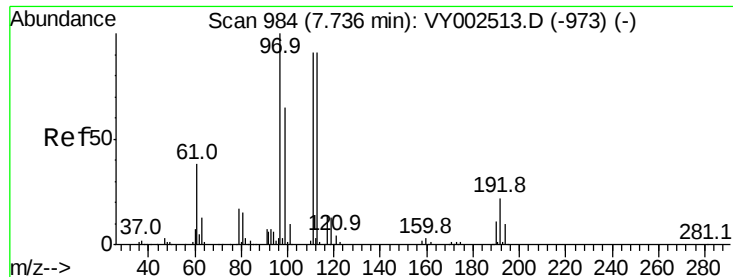


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

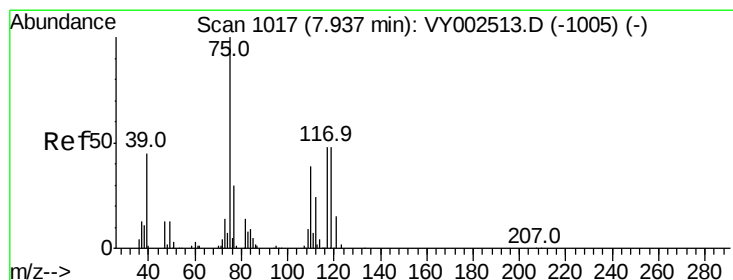
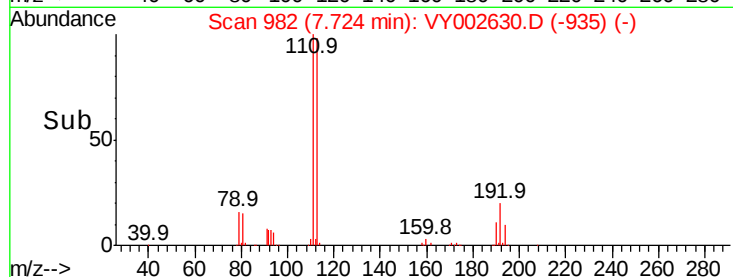
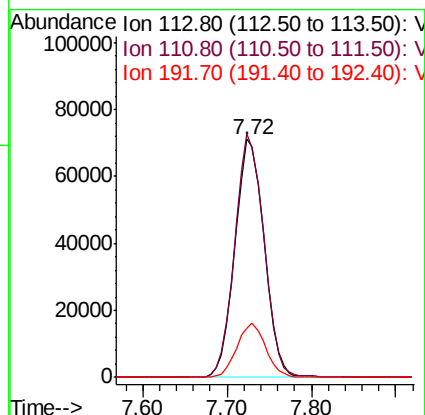
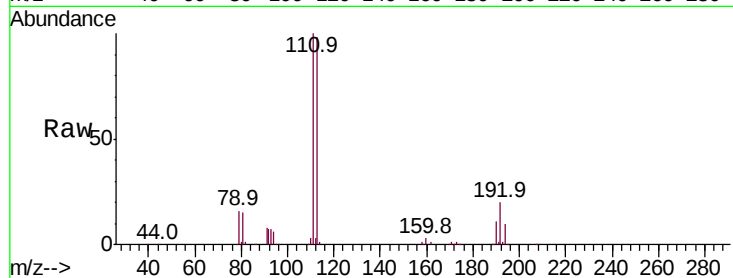




#35
 Dibromofluoromethane
 Concen: 53.412 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002630.D
 Acq: 07 May 2020 14:44

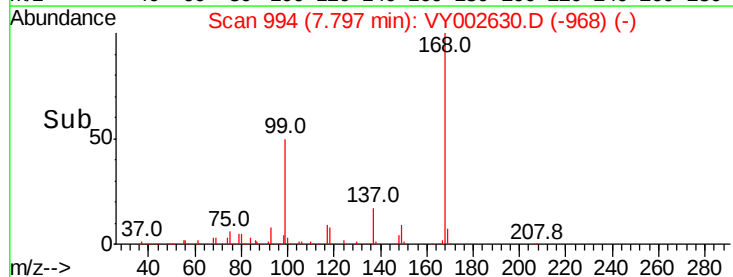
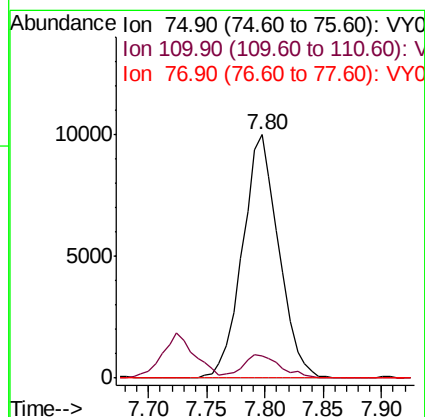
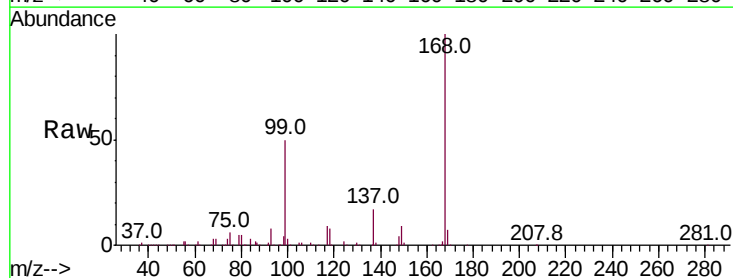
Instrument :
 MSVOA_Y
 ClientSampleId :

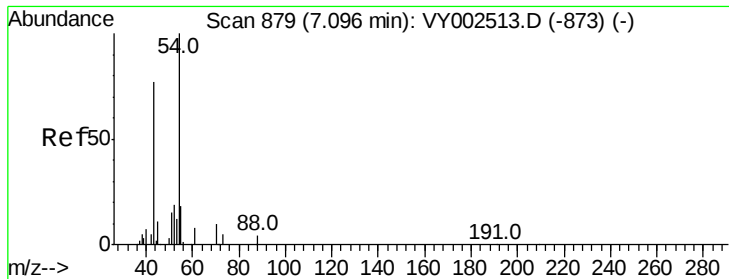
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.6
192	22.2	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002630.D
 Acq: 07 May 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.3#
77	0.0	24.6	37.0#





#37

Ethyl Acetate

Concen: 1.068 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.10 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

Instrument :

MSVOA_Y

ClientSampled :

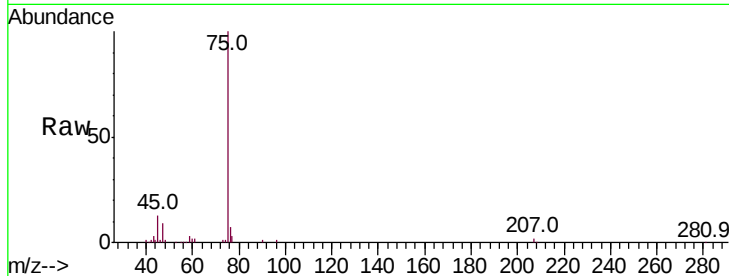
Tot Ion: 43 Resp: 2513

Ion Ratio Lower Upper

43 100

61 65.4 11.6 17.4#

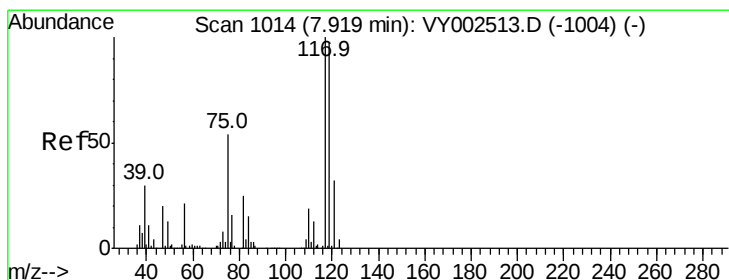
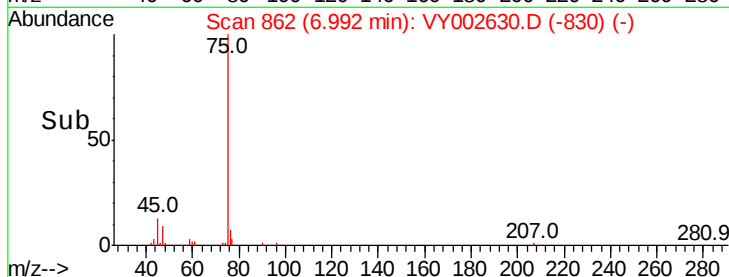
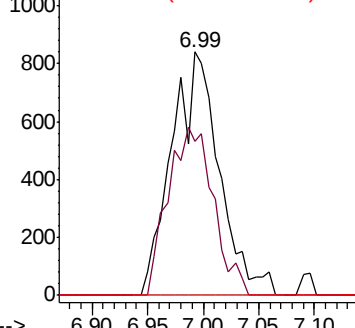
70 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VY002630.D (-862) (-)

Ion 60.90 (60.60 to 61.60): VY002630.D (-862) (-)

Ion 70.00 (69.70 to 70.70): VY002630.D (-862) (-)



#38

Carbon Tetrachloride

Concen: 6.215 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

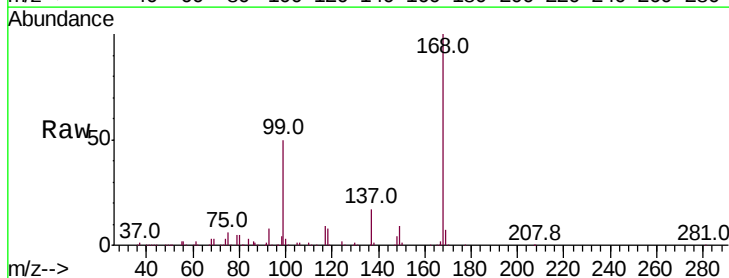
Tgt Ion: 117 Resp: 31080

Ion Ratio Lower Upper

117 100

119 5.0 77.1 115.7#

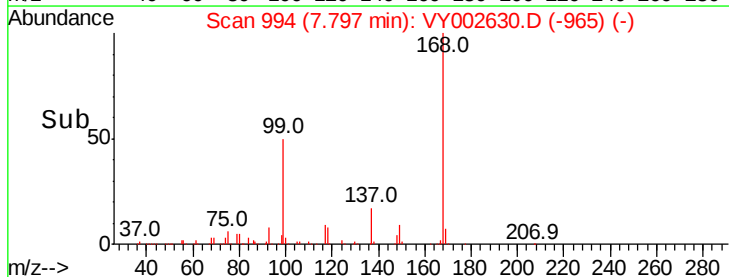
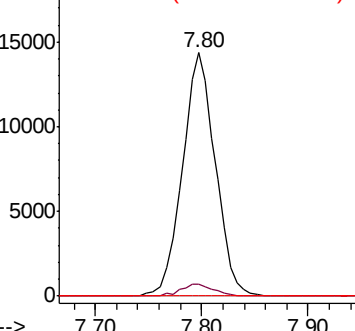
121 0.0 25.2 37.8#

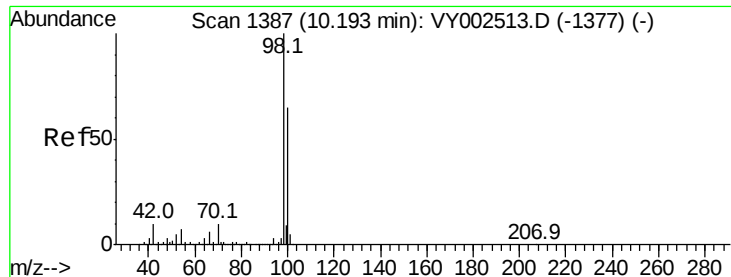


Abundance Ion 116.80 (116.50 to 117.50): VY002630.D (-994) (-)

Ion 118.80 (118.50 to 119.50): VY002630.D (-994) (-)

Ion 120.80 (120.50 to 121.50): VY002630.D (-994) (-)





#50

Toluene-d8

Concen: 52.099 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

Instrument :

MSVOA_Y

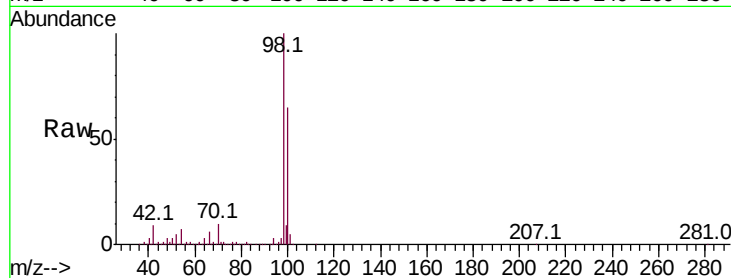
ClientSampleId :

Tot Ion: 98 Resp: 635749

Ion Ratio Lower Upper

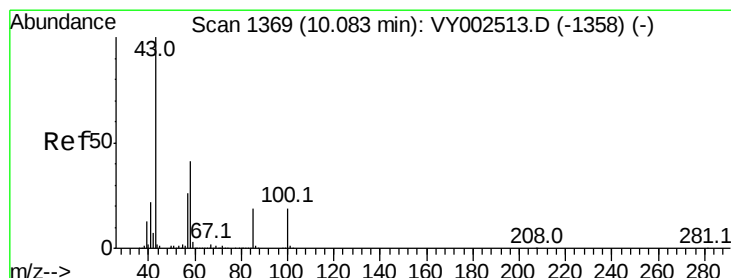
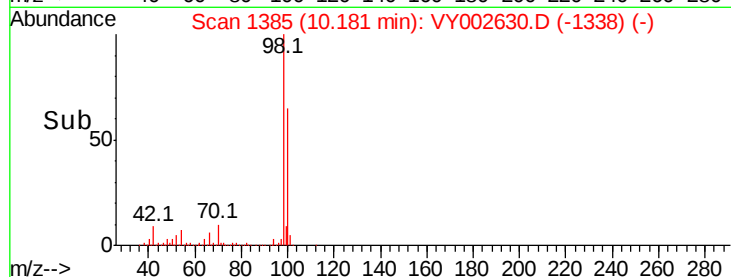
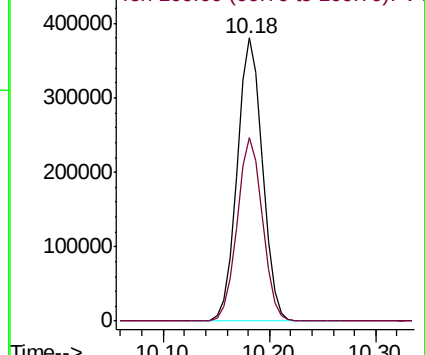
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.789 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002630.D

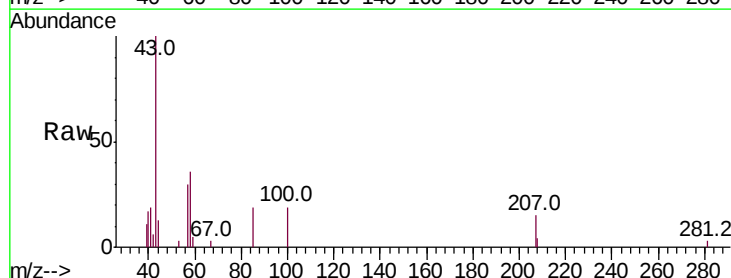
Acq: 07 May 2020 14:44

Tgt Ion: 43 Resp: 4068

Ion Ratio Lower Upper

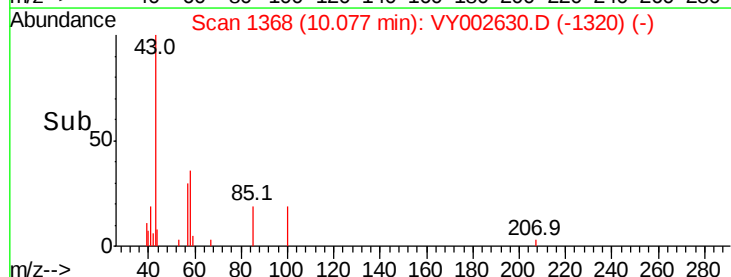
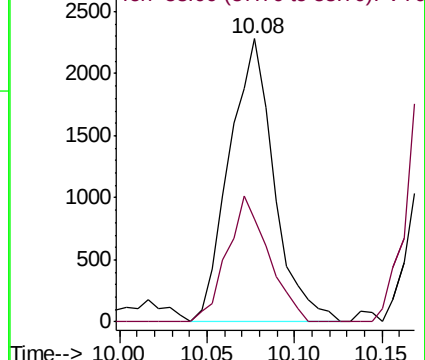
43 100

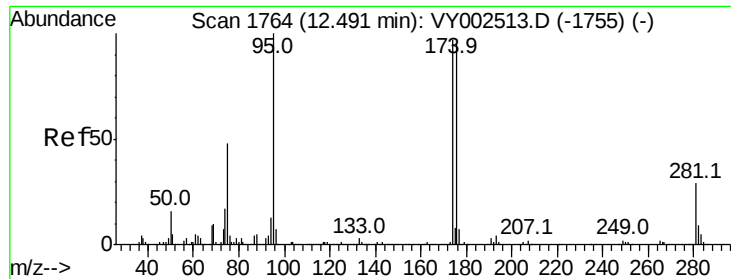
58 41.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

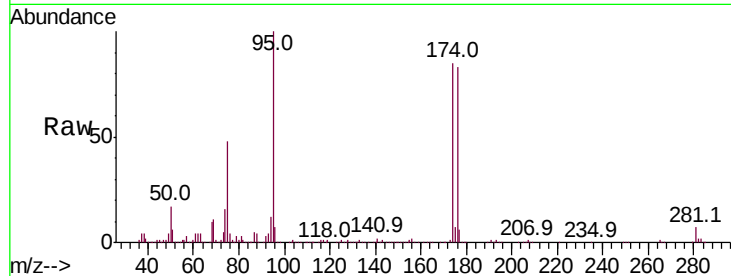




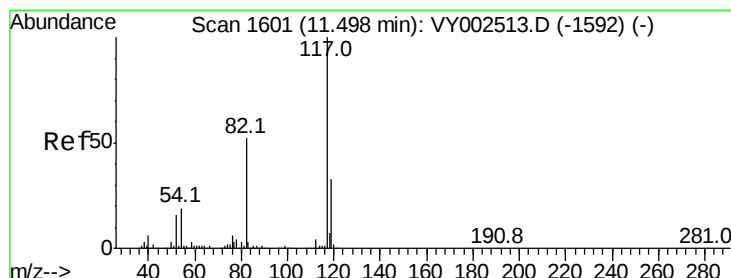
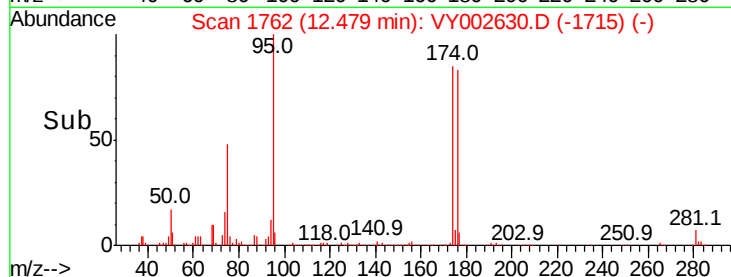
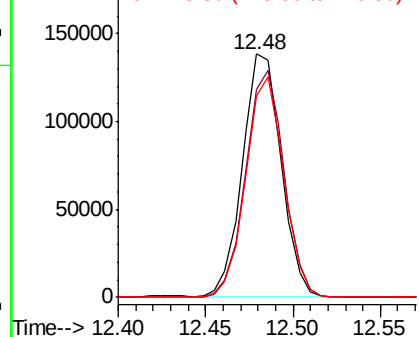
#62
4-Bromofluorobenzene
Concen: 51.406 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002630.D
Acq: 07 May 2020 14:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 95 Resp: 212858
Ion Ratio Lower Upper
95 100
174 92.5 0.0 188.8
176 88.9 0.0 183.2

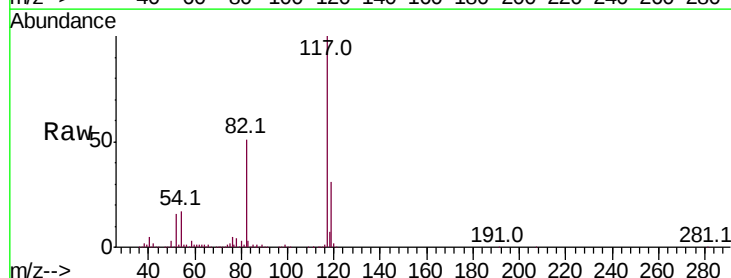


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

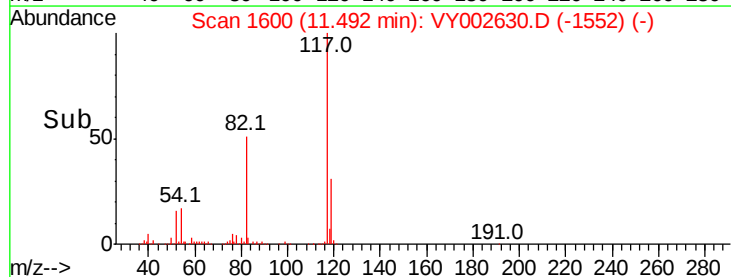
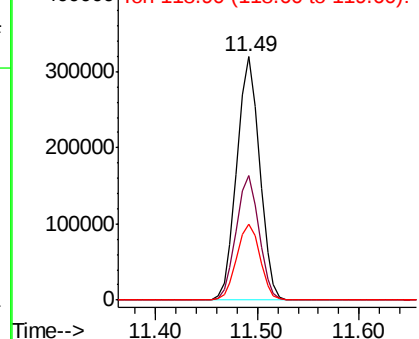


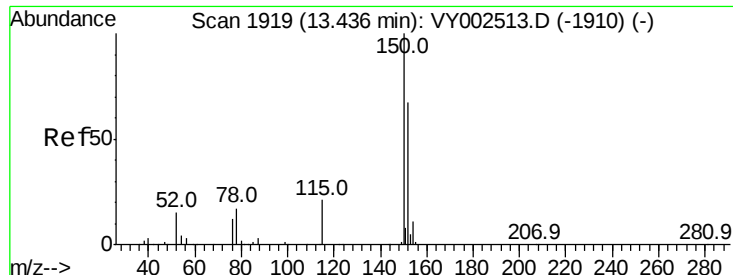
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002630.D
Acq: 07 May 2020 14:44

Tgt Ion: 117 Resp: 493059
Ion Ratio Lower Upper
117 100
82 51.1 41.3 61.9
119 31.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VY0
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): VY0



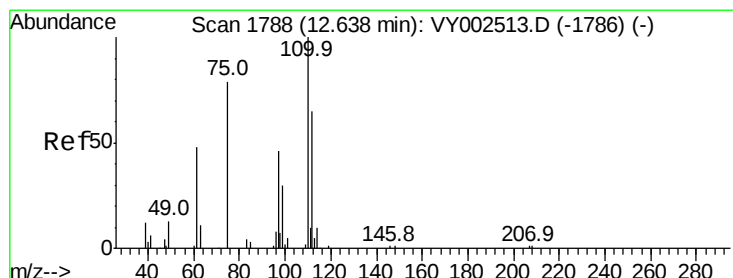
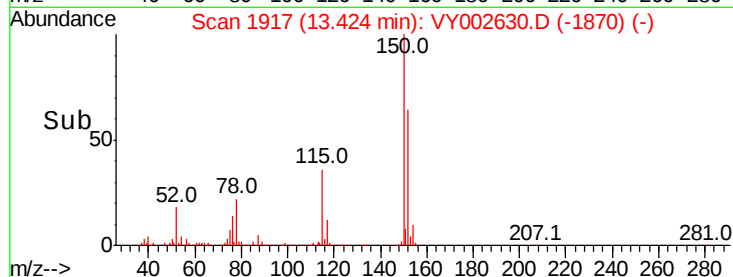
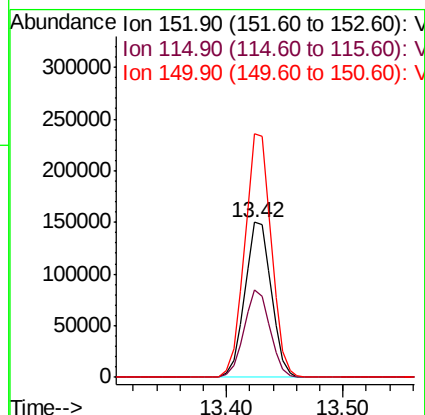
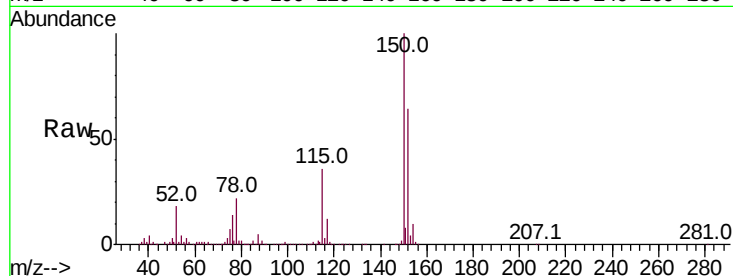


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002630.D
Acq: 07 May 2020 14:44

Instrument :
MSVOA_Y
ClientSampleId :

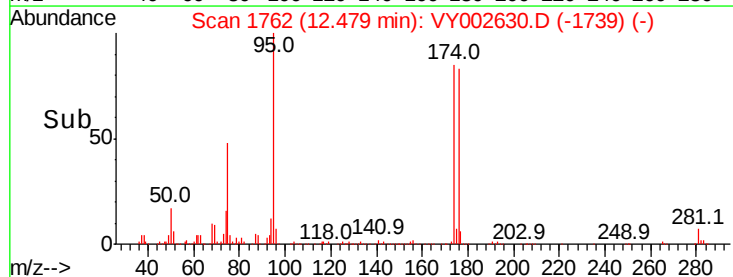
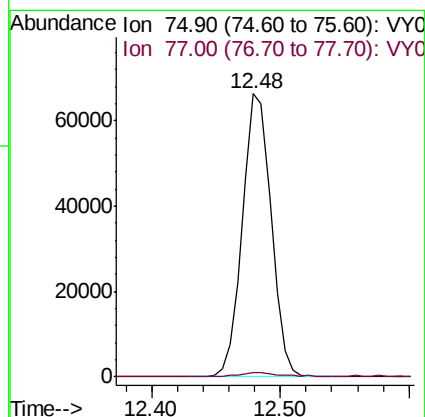
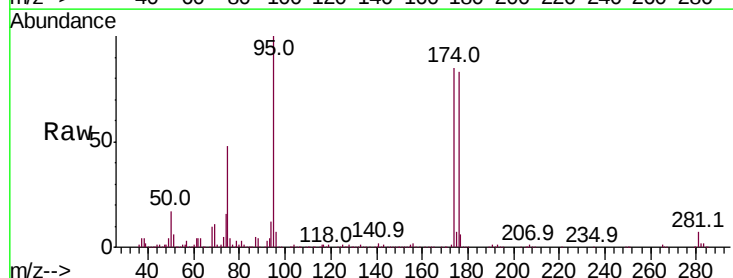
Tot Ion:152 Resp: 238789
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.4
150 156.9 0.0 346.4

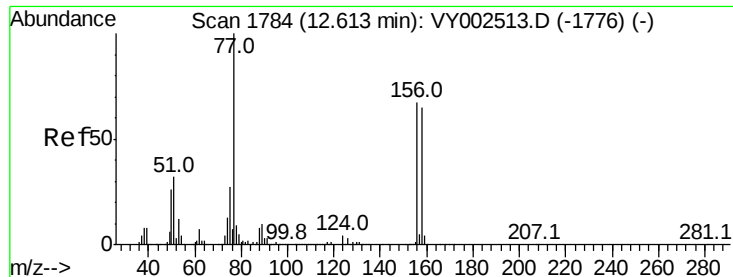


#76

1,2,3-Trichloropropane
Concen: 48.251 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002630.D
Acq: 07 May 2020 14:44

Tgt Ion: 75 Resp: 102391
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#77

Bromobenzene

Concen: 2.121 ug/l

RT: 12.69 min Scan# 1797

Delta R.T. 0.08 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

Instrument :

MSVOA_Y

ClientSampleId :

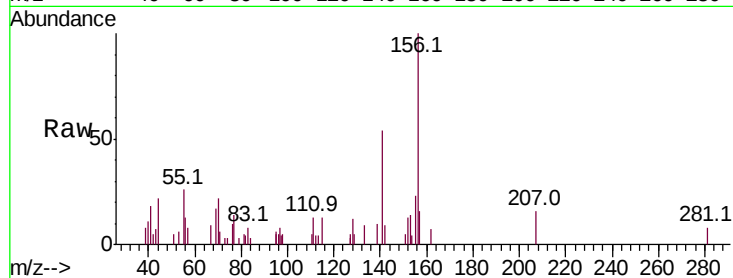
Tot Ion:156 Resp: 8199

Ion Ratio Lower Upper

156 100

77 2.0 82.0 245.8#

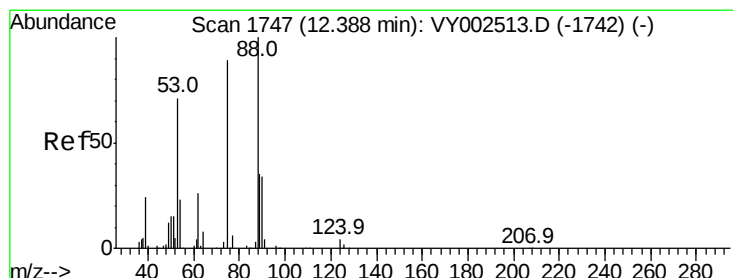
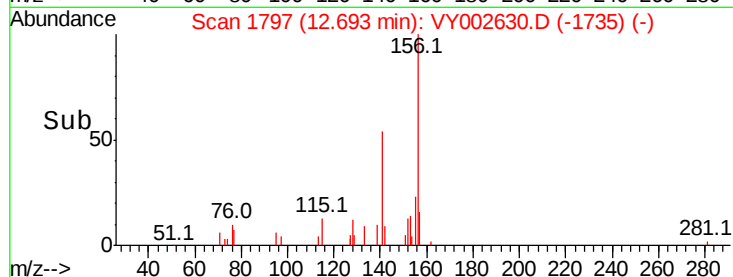
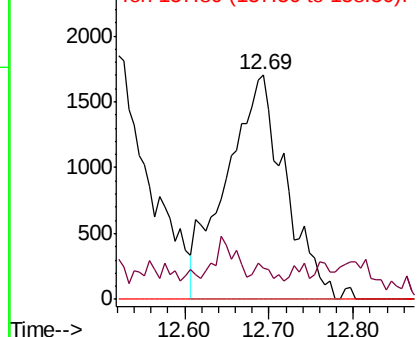
158 0.0 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): VY002513.D (-1776) (-)

Ion 77.00 (76.70 to 77.70): VY002513.D (-1776) (-)

Ion 157.80 (157.50 to 158.50): VY002513.D (-1776) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 96.753 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002630.D

Acq: 07 May 2020 14:44

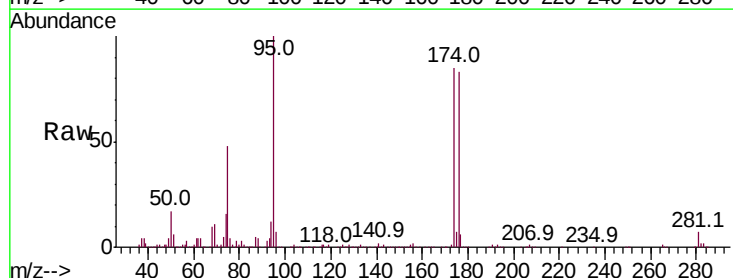
Tgt Ion: 75 Resp: 102391

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.0#

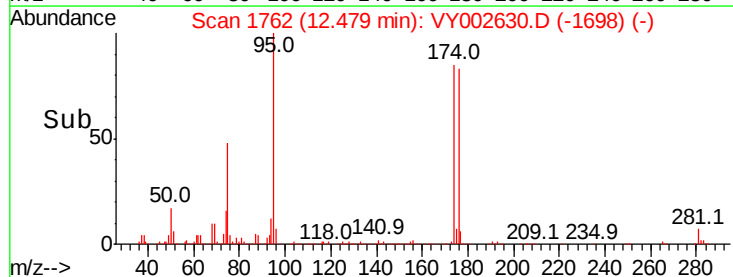
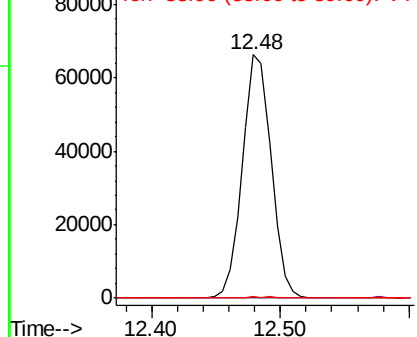
89 0.7 37.4 56.0#

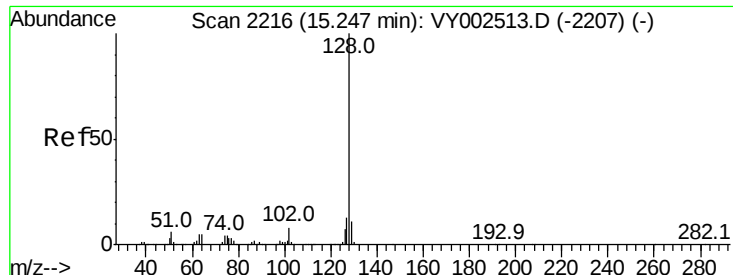


Abundance Ion 74.90 (74.60 to 75.60): VY002513.D (-1742) (-)

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: 1.007 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002630.D
Acq: 07 May 2020 14:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.6	10.5	15.7#
129	12.0	8.8	13.2

