

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002626.D
 Acq On : 07 May 2020 13:15
 Operator : SY/MD
 Sample : L2497-01
 Misc : 8.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 08 02:36:41 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	332090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	520251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	456003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	203490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	148890	53.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.64%	
35) Dibromofluoromethane	7.73	113	153475	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.18	98	598686	51.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.48	95	187758	47.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

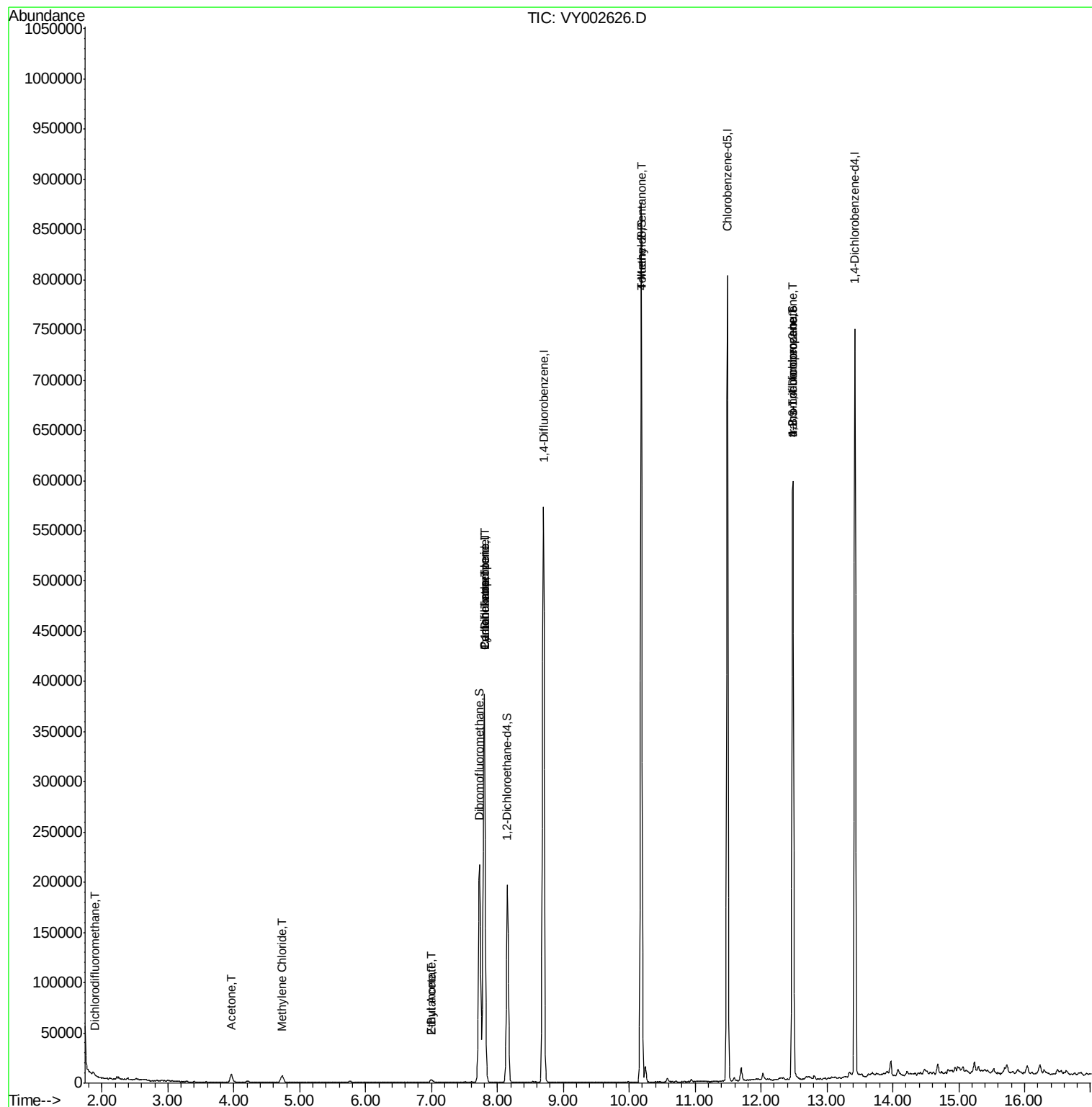
					Qvalue
2) Dichlorodifluoromethane	1.90	85	123	1.828	ug/l # 43
16) Acetone	3.96	43	13726	23.819	ug/l 96
20) Methylene Chloride	4.72	84	5443	1.689	ug/l # 89
25) 2-Butanone	7.01	43	2412	2.557	ug/l 100
31) Cyclohexane	7.80	56	5098	1.016	ug/l # 1
36) 1,1-Dichloropropene	7.80	75	20821	4.774	ug/l # 49
37) Ethyl Acetate	7.01	43	2412	1.076	ug/l # 67
38) Carbon Tetrachloride	7.80	117	29465	6.188	ug/l # 16
51) 4-Methyl-2-Pentanone	10.19	43	2211	1.021	ug/l # 1
76) 1,2,3-Trichloropropane	12.48	75	90512	50.052	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.48	75	90512	100.365	ug/l # 15

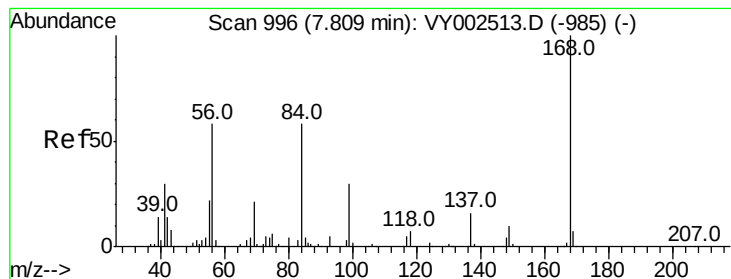
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 995

Delta R.T. -0.01 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

Instrument :

MSVOA_Y

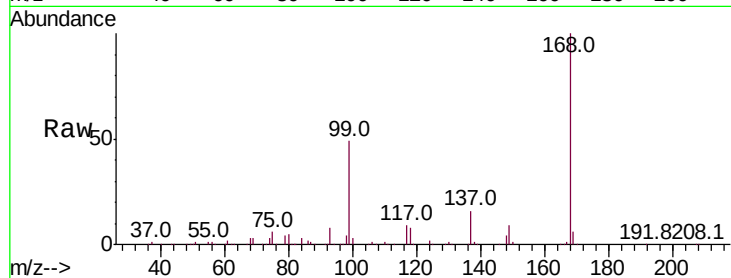
ClientSampleId :

Tot Ion:168 Resp: 332090

Ion Ratio Lower Upper

168 100

99 48.6 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

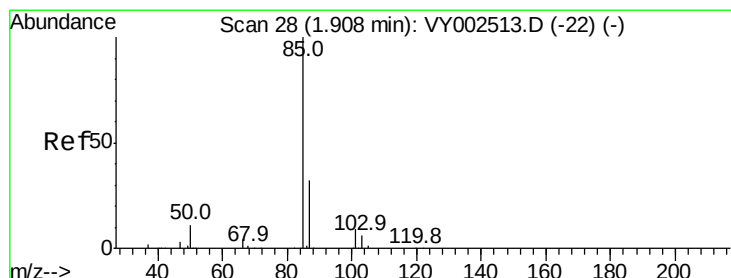
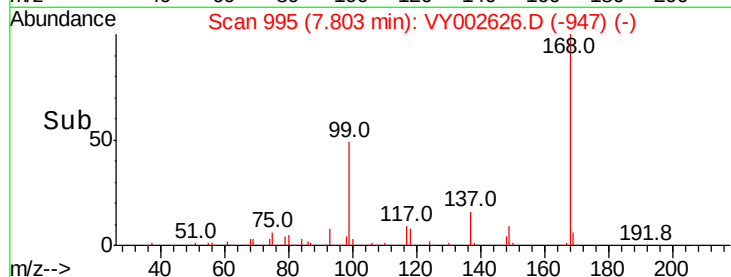
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.828 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002626.D

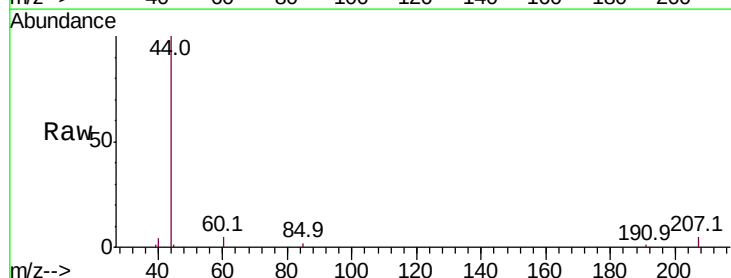
Acq: 07 May 2020 13:15

Tgt Ion: 85 Resp: 123

Ion Ratio Lower Upper

85 100

87 0.0 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) (-)

150

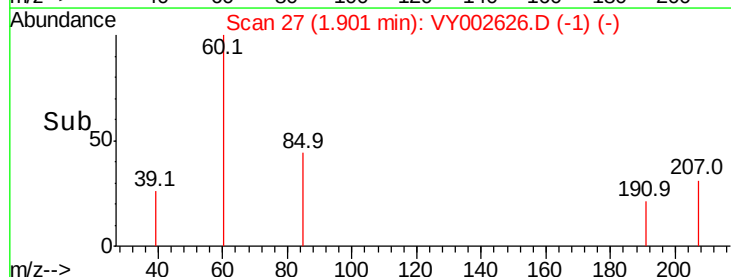
100

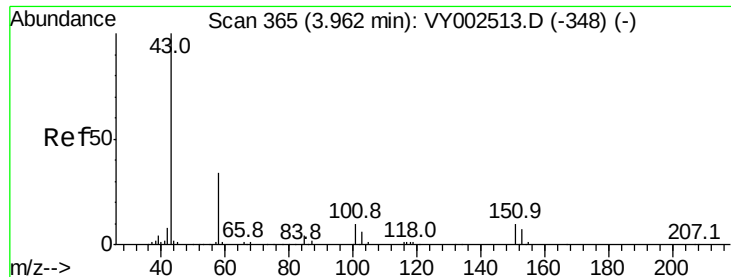
50

0

1.88 1.90 1.92 1.94

Time-->

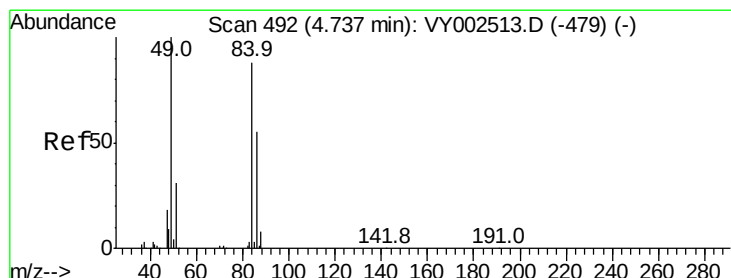
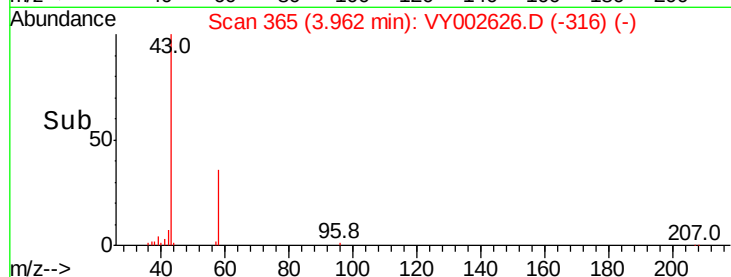
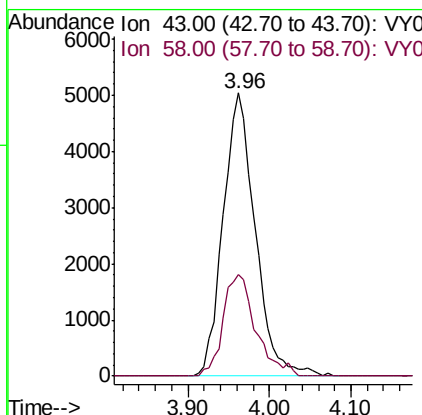
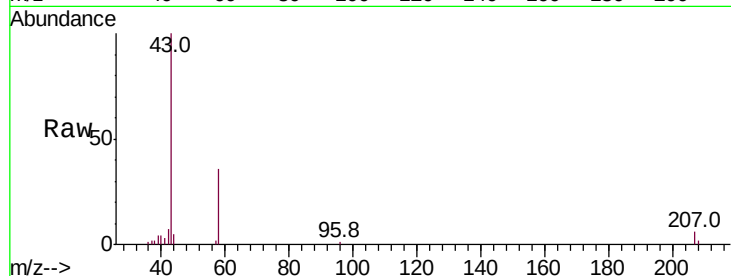




#16
Acetone
Concen: 23.819 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VY002626.D
Acq: 07 May 2020 13:15

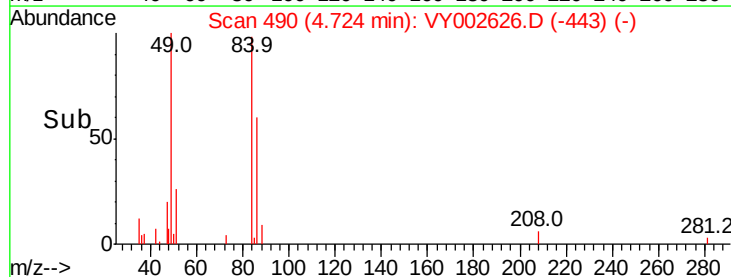
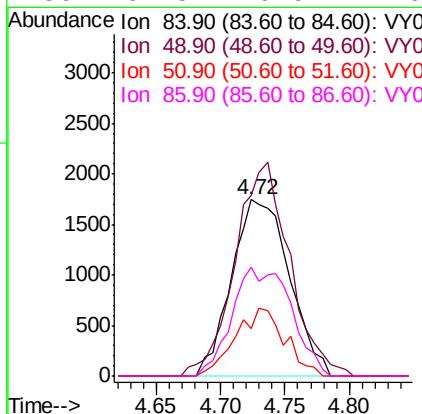
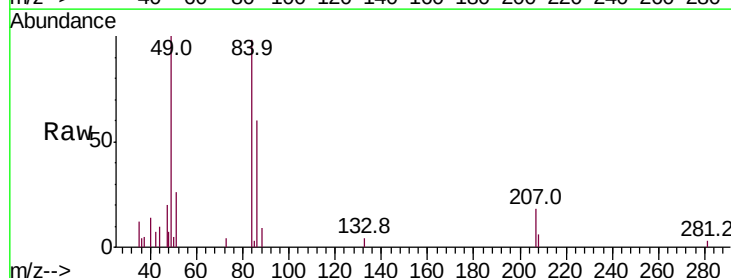
Instrument :
MSVOA_Y
ClientSampleId :

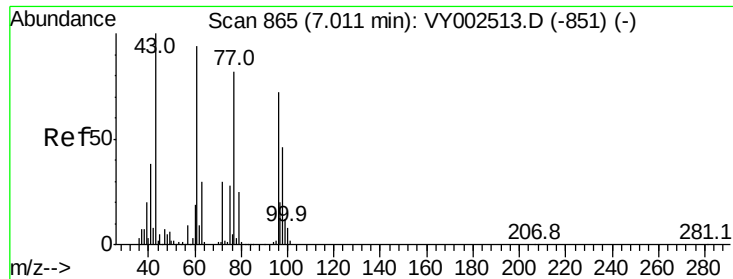
Tot Ion: 43 Resp: 13726
Ion Ratio Lower Upper
43 100
58 35.9 26.9 40.3



#20
Methylene Chloride
Concen: 1.689 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002626.D
Acq: 07 May 2020 13:15

Tgt Ion: 84 Resp: 5443
Ion Ratio Lower Upper
84 100
49 97.2 90.5 135.7
51 26.9 28.3 42.5#
86 61.5 49.9 74.9





#25

2-Butanone

Concen: 2.557 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

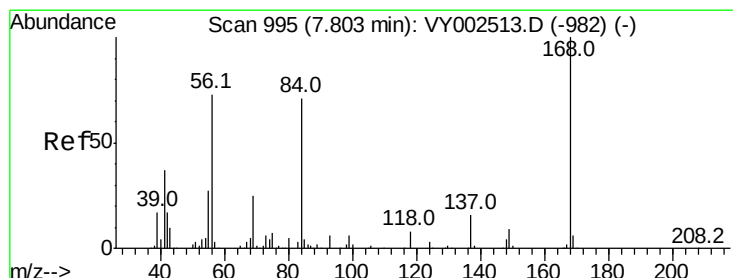
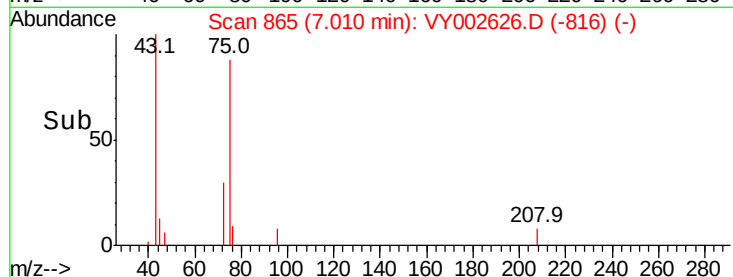
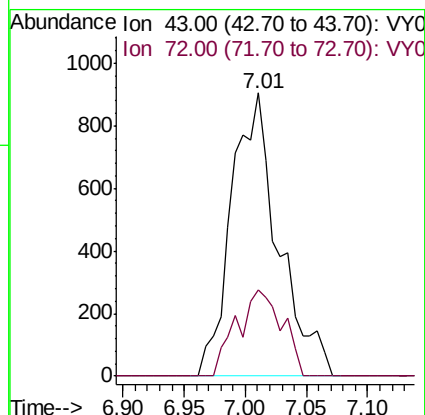
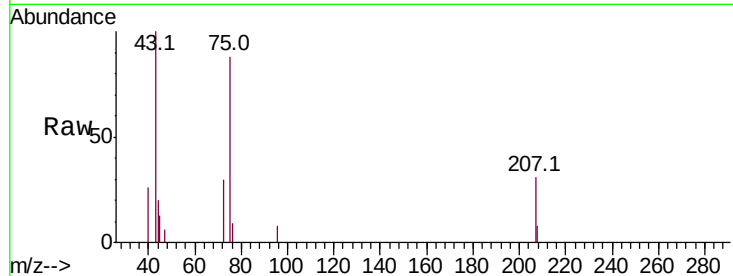
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2412

Ion Ratio Lower Upper

43 100

72 30.3 24.1 36.1



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

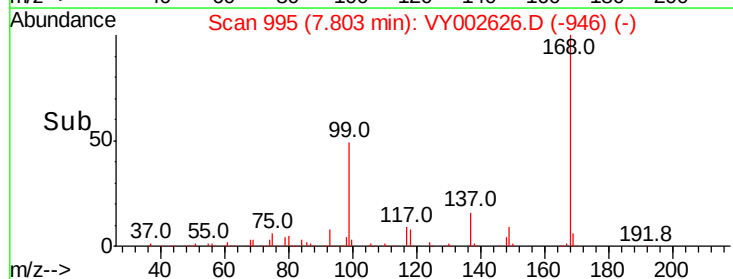
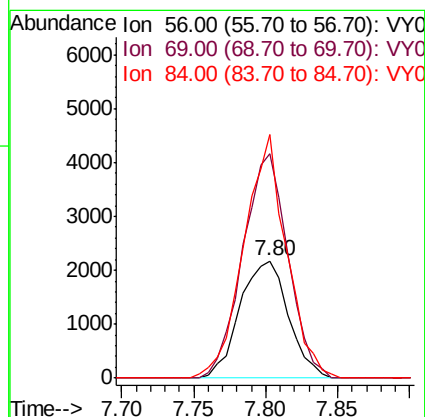
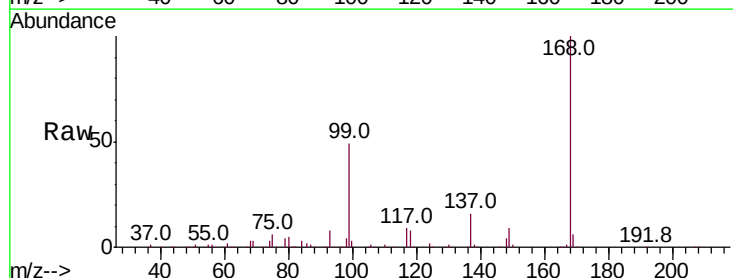
Tgt Ion: 56 Resp: 5098

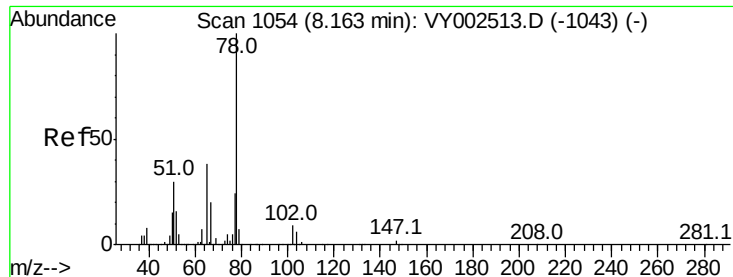
Ion Ratio Lower Upper

56 100

69 192.0 27.6 41.4#

84 208.1 77.7 116.5#

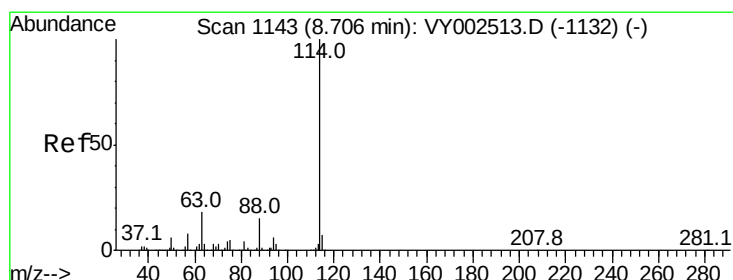
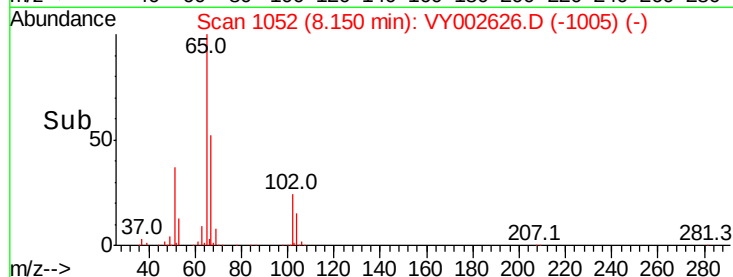
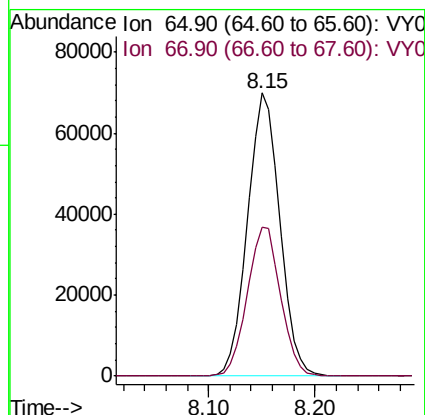
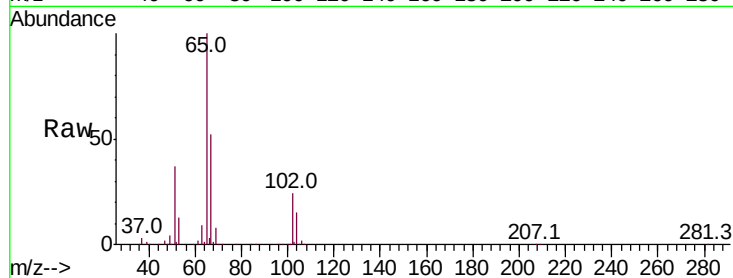




#33
 1,2-Dichloroethane-d4
 Concen: 53.322 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002626.D
 Acq: 07 May 2020 13:15

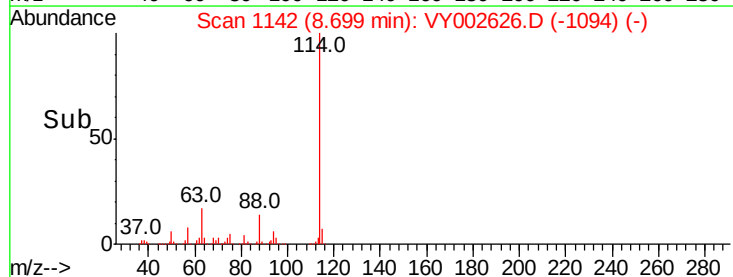
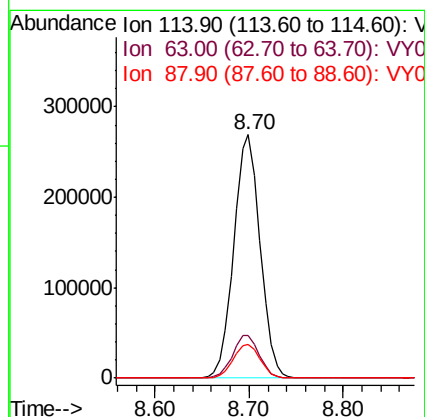
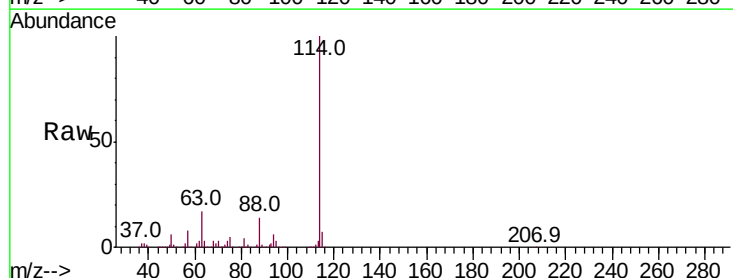
Instrument :
 MSVOA_Y
 ClientSampleId :

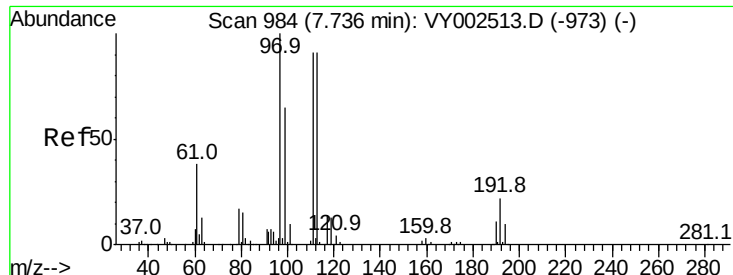
Tot Ion: 65 Resp: 148890
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002626.D
 Acq: 07 May 2020 13:15

Tgt Ion: 114 Resp: 520251
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.4
 88 14.0 0.0 29.6

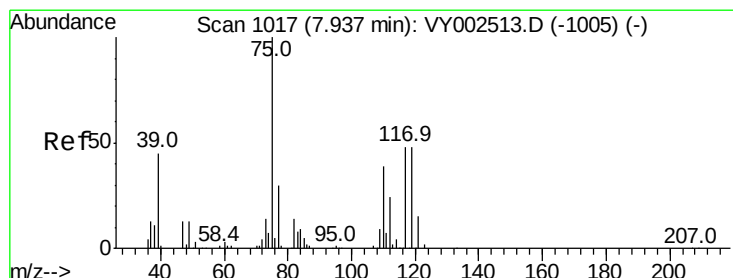
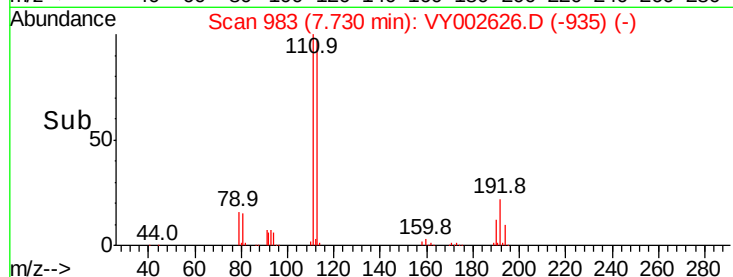
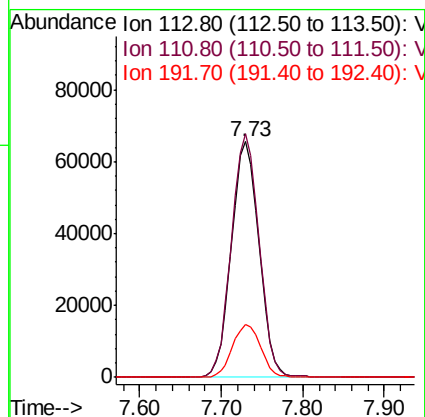
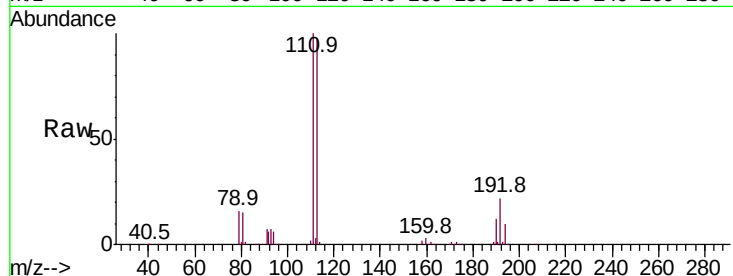




#35
 Dibromofluoromethane
 Concen: 51.583 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002626.D
 Acq: 07 May 2020 13:15

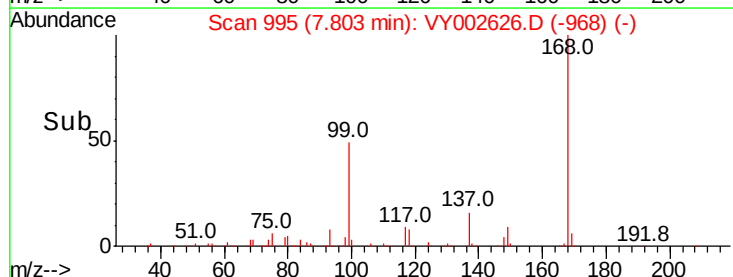
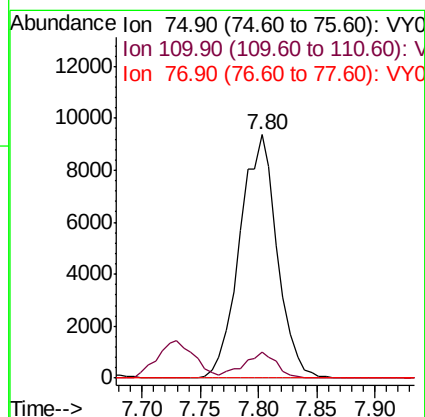
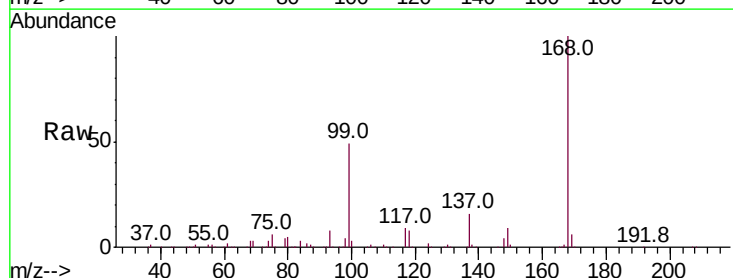
Instrument :
 MSVOA_Y
 ClientSampleId :

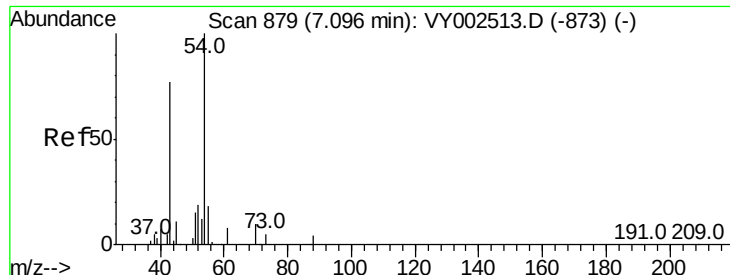
Tot Ion:113 Resp: 153475
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.6
 192 22.8 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002626.D
 Acq: 07 May 2020 13:15

Tgt Ion: 75 Resp: 20821
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.1 57.3#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.076 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.09 min

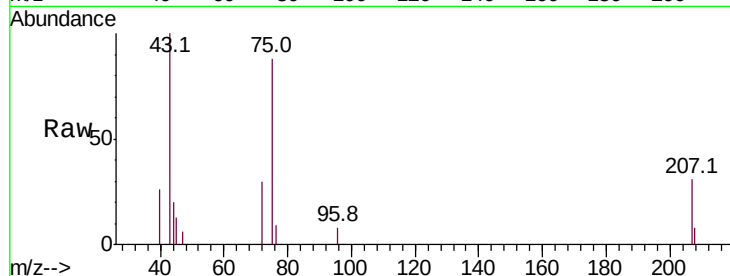
Lab File: VY002626.D

Acq: 07 May 2020 13:15

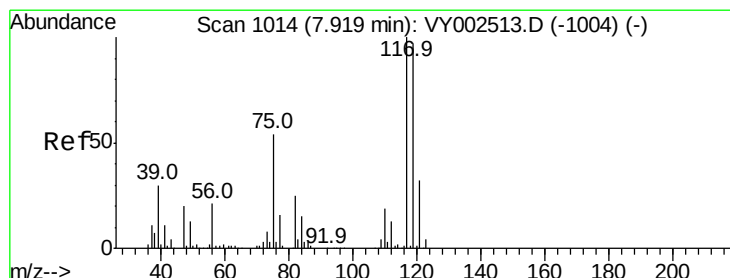
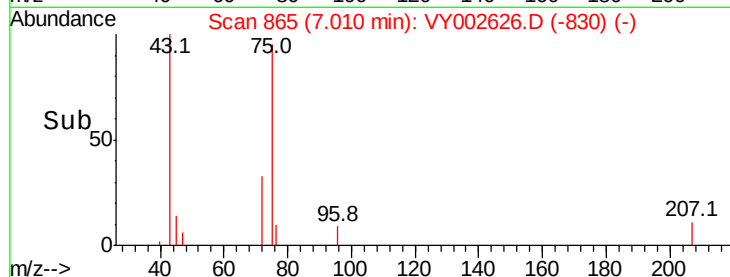
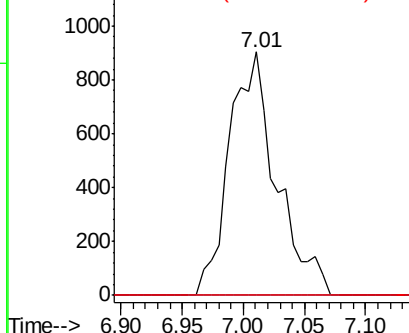
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2412

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.0	13.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 6.188 ug/l

RT: 7.80 min Scan# 994

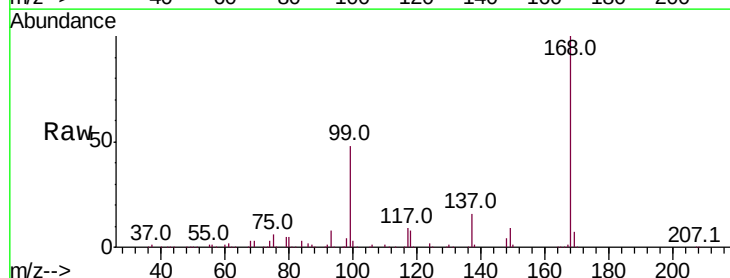
Delta R.T. -0.12 min

Lab File: VY002626.D

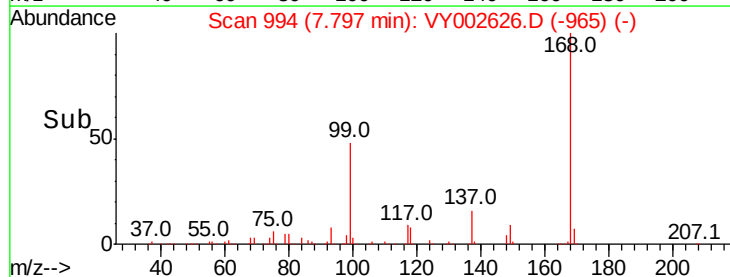
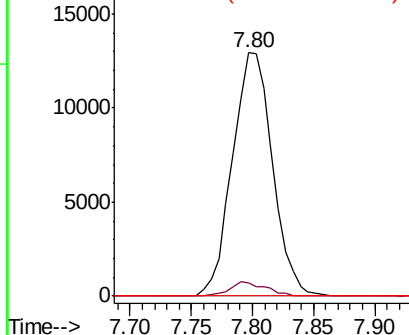
Acq: 07 May 2020 13:15

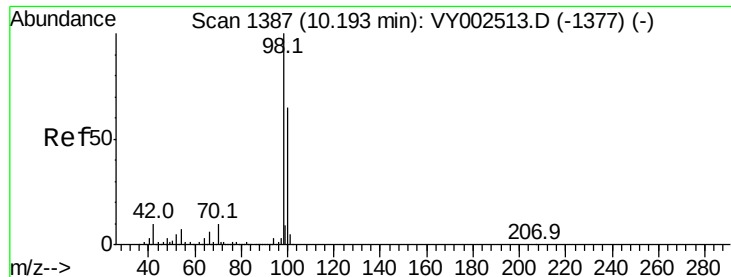
Tgt Ion: 117 Resp: 29465

Ion	Ratio	Lower	Upper
117	100		
119	5.2	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: 51.526 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

Instrument :

MSVOA_Y

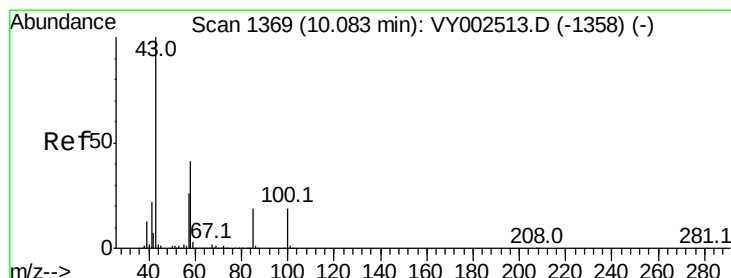
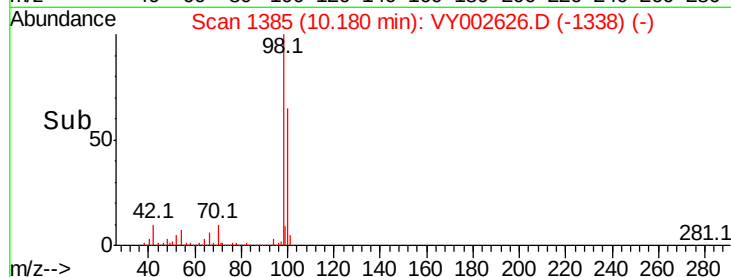
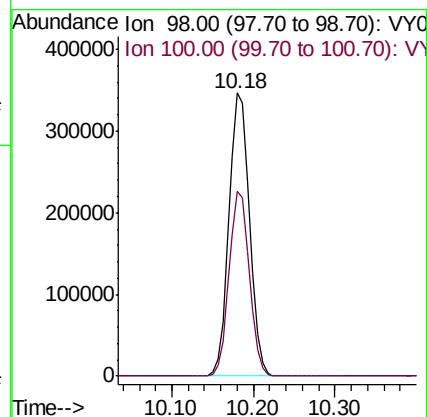
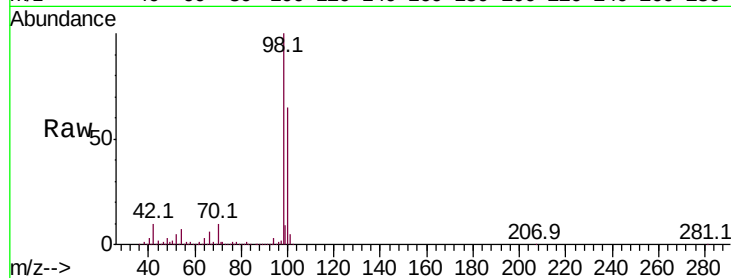
ClientSampleId :

Tot Ion: 98 Resp: 598686

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.021 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002626.D

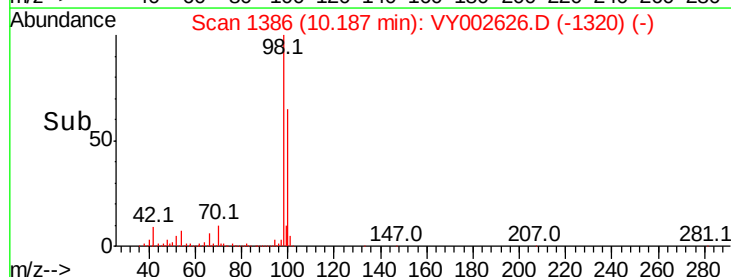
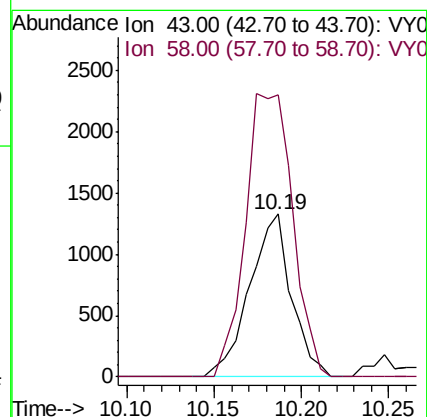
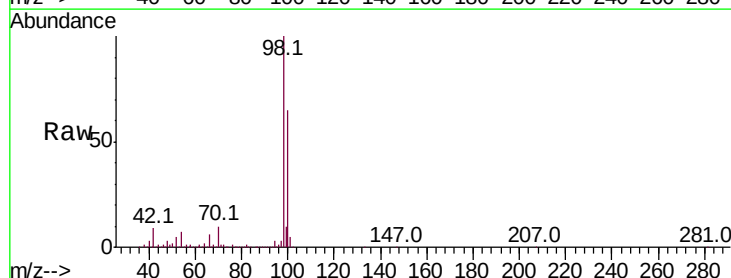
Acq: 07 May 2020 13:15

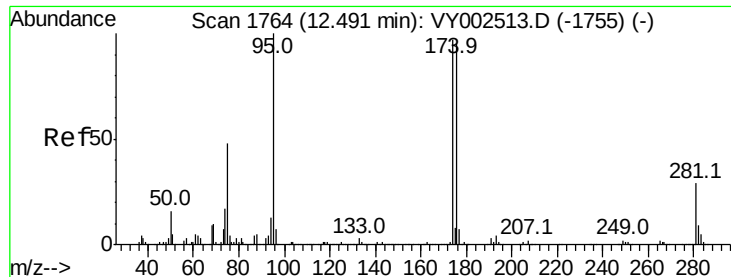
Tgt Ion: 43 Resp: 2211

Ion Ratio Lower Upper

43 100

58 196.4 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 47.622 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

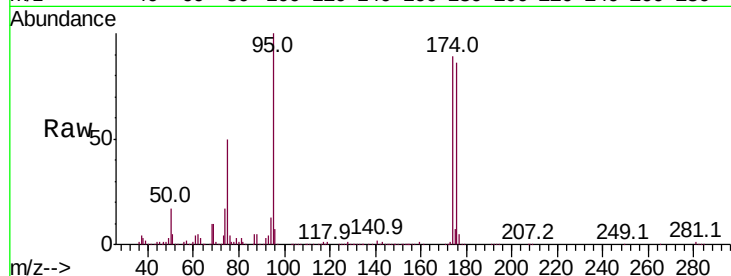
Tot Ion: 95 Resp: 187758

Ion Ratio Lower Upper

95 100

174 94.5 0.0 188.8

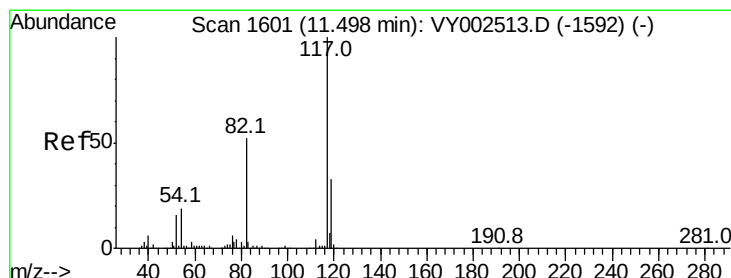
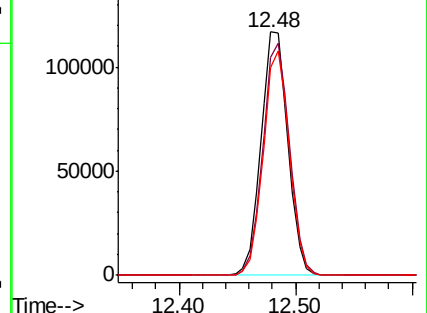
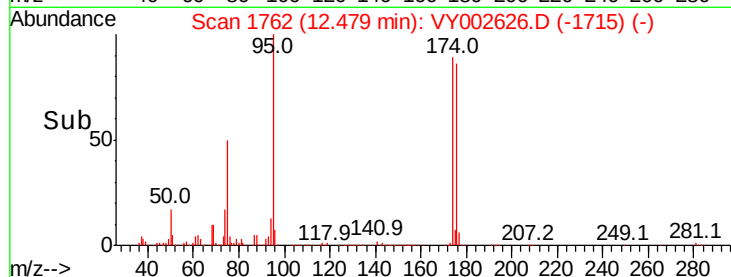
176 89.4 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

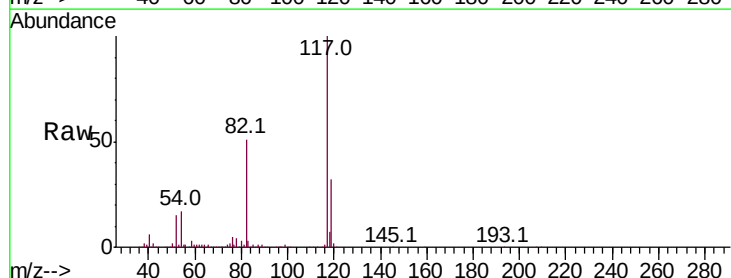
Tgt Ion: 117 Resp: 456003

Ion Ratio Lower Upper

117 100

82 51.4 41.3 61.9

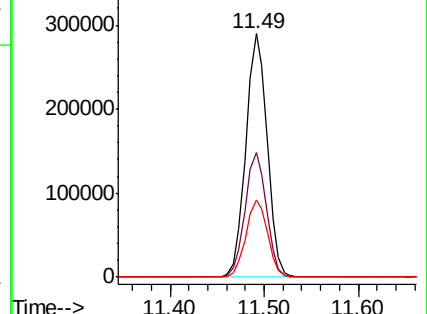
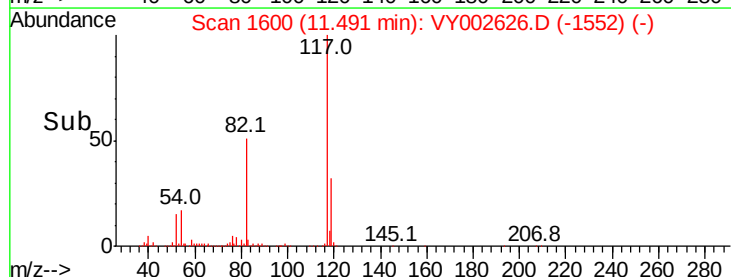
119 31.8 26.0 39.0

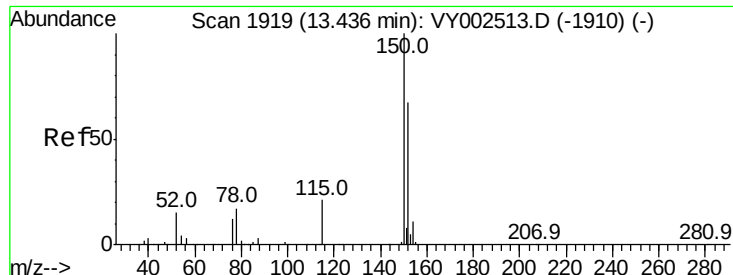


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampled :

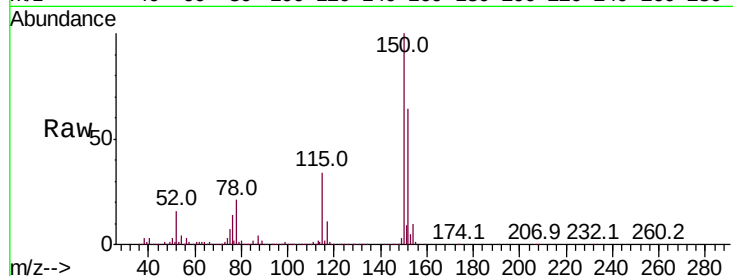
Tot Ion:152 Resp: 203490

Ion Ratio Lower Upper

152 100

115 54.6 27.5 82.4

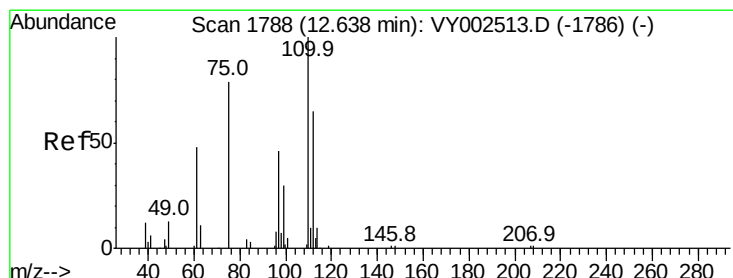
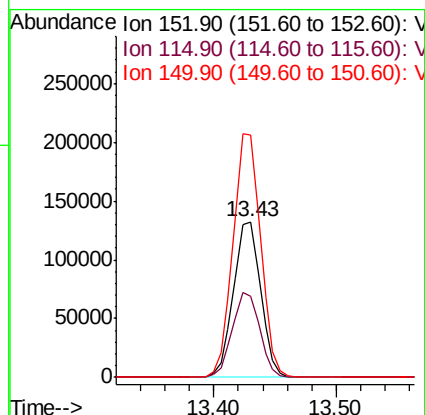
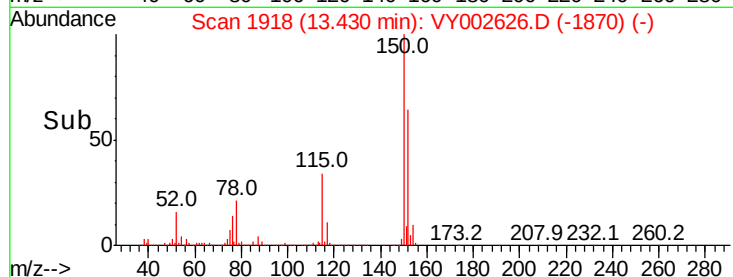
150 157.7 0.0 346.4



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: 50.052 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002626.D

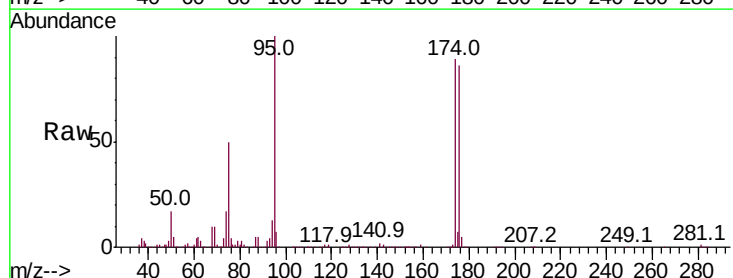
Acq: 07 May 2020 13:15

Tgt Ion: 75 Resp: 90512

Ion Ratio Lower Upper

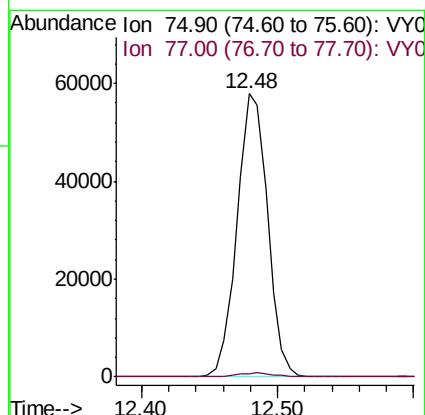
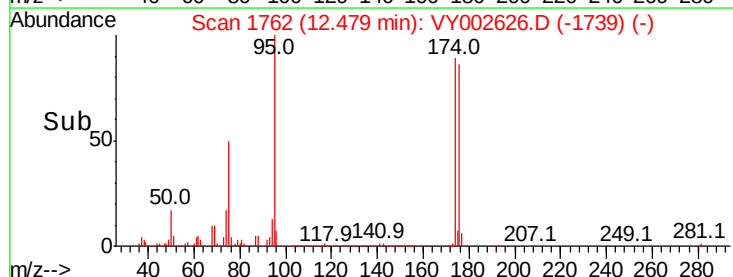
75 100

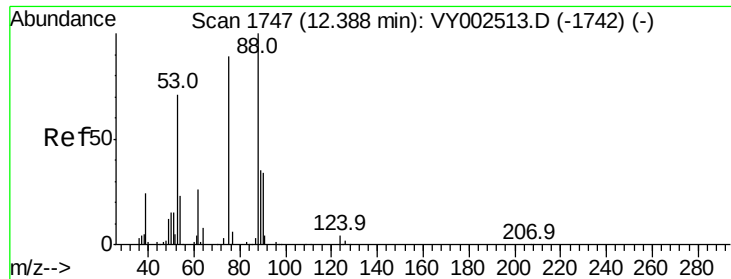
77 2.0 0.0 0.0#



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: 100.365 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002626.D

Acq: 07 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 90512

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#

