

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030620\
 Data File : VY001896.D
 Acq On : 06 Mar 2020 13:03
 Operator : SY/MD
 Sample : L1762-10
 Misc : 5.37G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 22:07:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	23481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	39919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	31645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	11816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	12167	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	7.75	113	10896	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.20	98	47214	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.50	95	12989	40.64	ug/l	0.00
Spiked Amount			Recovery	=	81.28%	

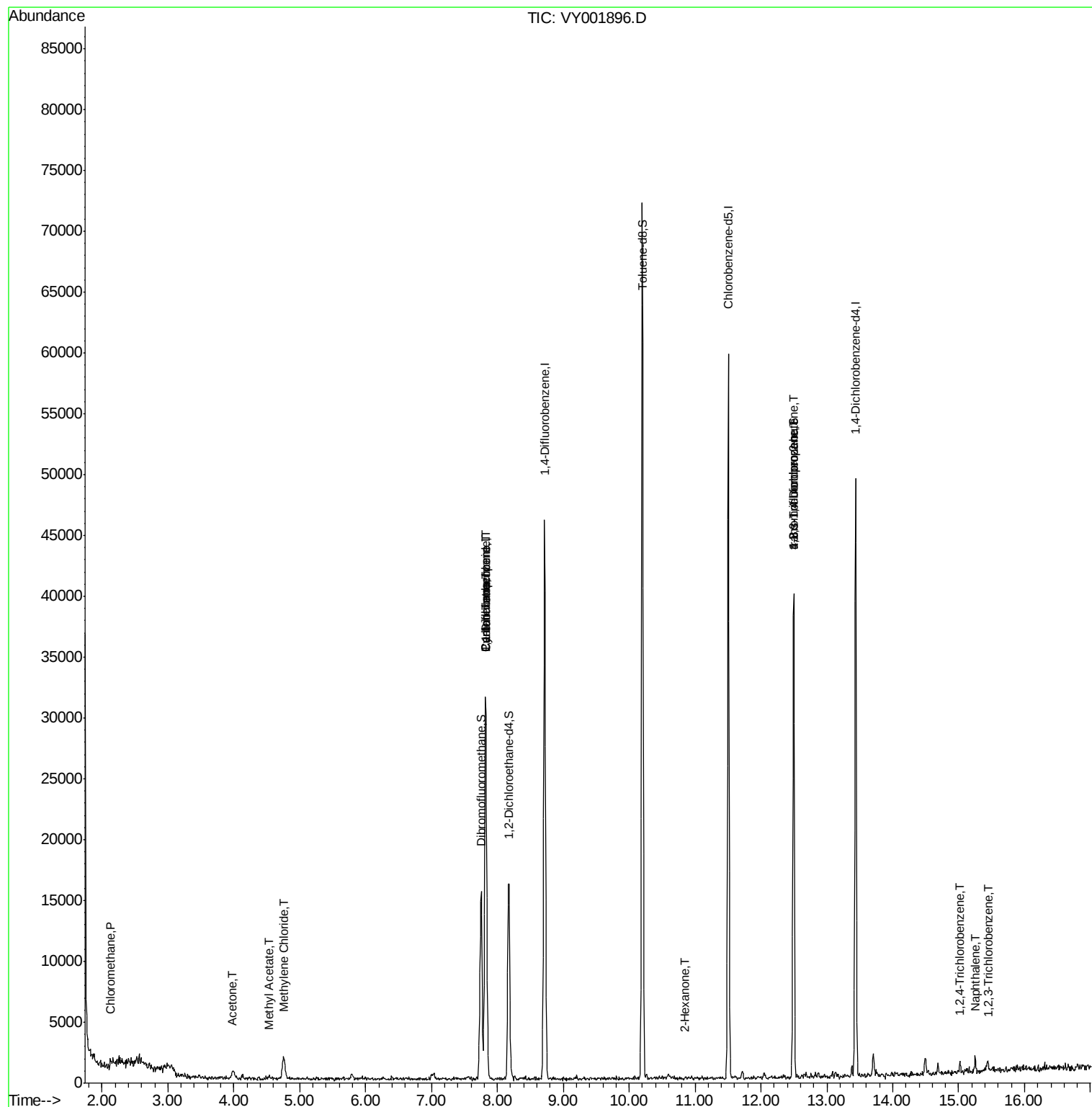
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.13	50	355	1.215	ug/l #	42
5) Bromomethane	2.69	94	20	Below Cal	#	4
16) Acetone	3.98	43	1451	19.874	ug/l	92
18) Methyl Acetate	4.54	43	347	1.850	ug/l #	52
20) Methylene Chloride	4.75	84	1422	4.544	ug/l #	72
31) Cyclohexane	7.83	56	775	1.407	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	1947	5.068	ug/l #	45
38) Carbon Tetrachloride	7.83	117	2647	8.066	ug/l #	16
59) 2-Hexanone	10.85	43	200	1.287	ug/l #	23
76) 1,2,3-Trichloropropane	12.50	75	6421	45.797	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	6421	92.508	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.02	180	391	1.772	ug/l #	82
95) Naphthalene	15.25	128	1225	2.341	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.44	180	337	1.734	ug/l #	72

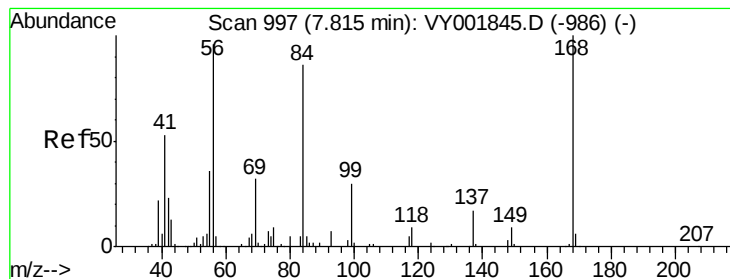
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

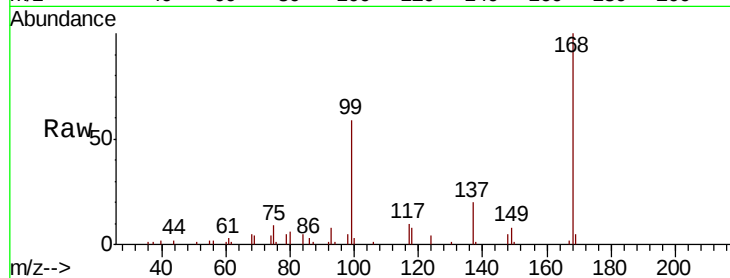
ClientSampleId :

Tot Ion:168 Resp: 23481

Ion Ratio Lower Upper

168 100

99 58.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

12000

10000

8000

6000

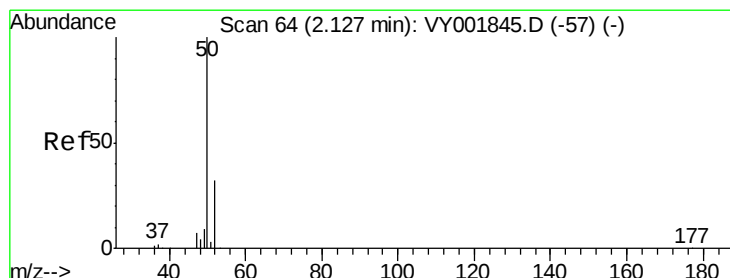
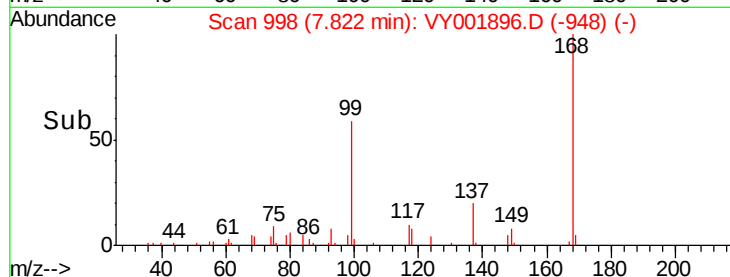
4000

2000

0

7.75 7.80 7.85 7.90

Time-->



#3

Chloromethane

Concen: 1.215 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001896.D

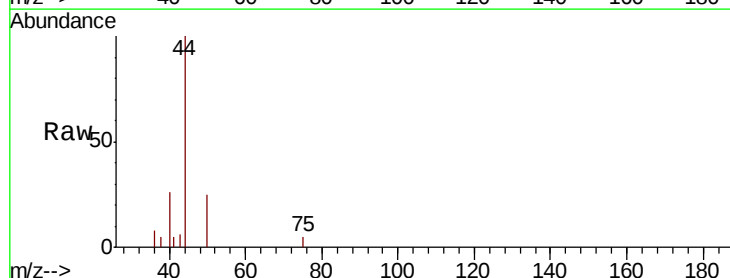
Acq: 06 Mar 2020 13:03

Tgt Ion: 50 Resp: 355

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY001845.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VY001845.D (-57) (-)

2.13

300

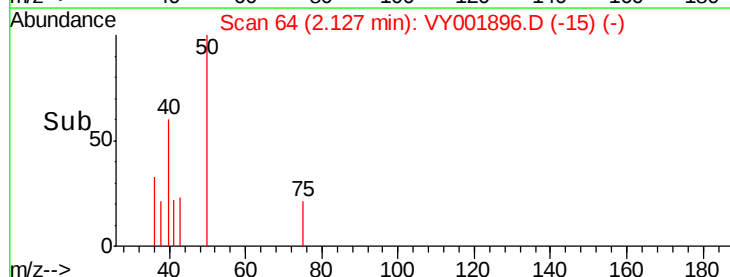
200

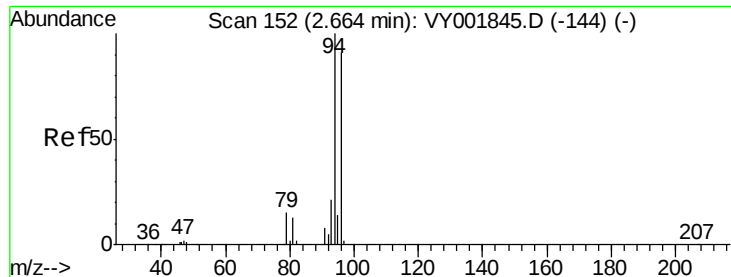
100

0

2.10 2.15

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.69 min Scan# 157

Delta R.T. 0.03 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

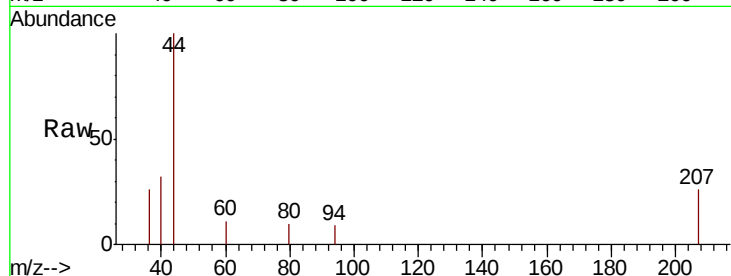
ClientSampled :

Tot Ion: 94 Resp: 20

Ion Ratio Lower Upper

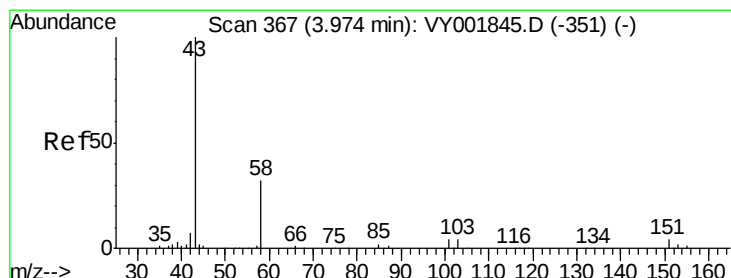
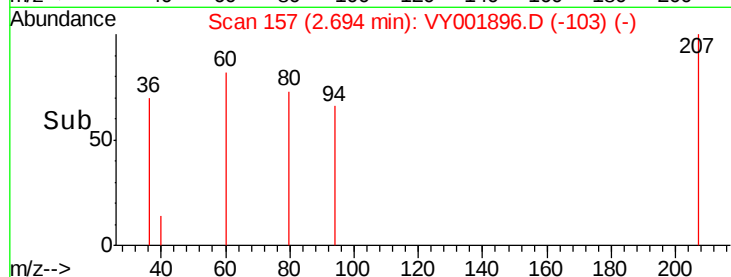
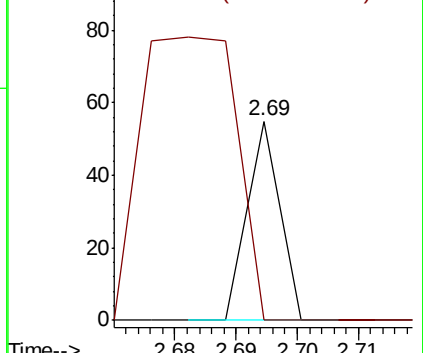
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#16

Acetone

Concen: 19.874 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001896.D

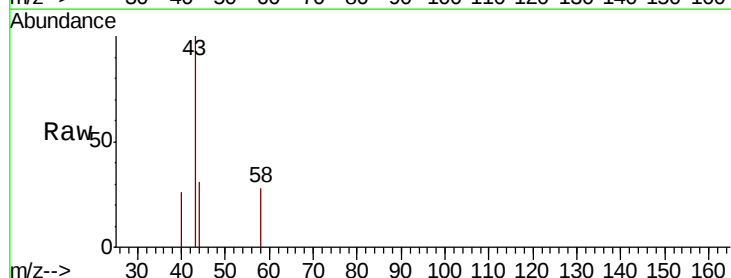
Acq: 06 Mar 2020 13:03

Tgt Ion: 43 Resp: 1451

Ion Ratio Lower Upper

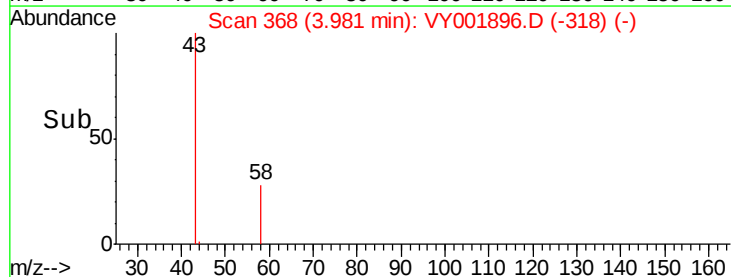
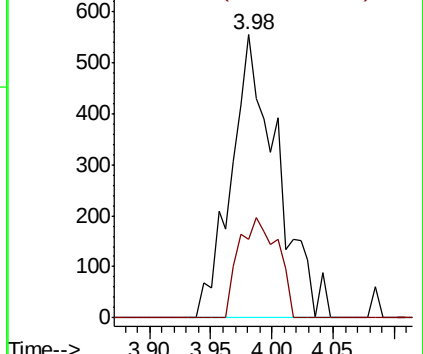
43 100

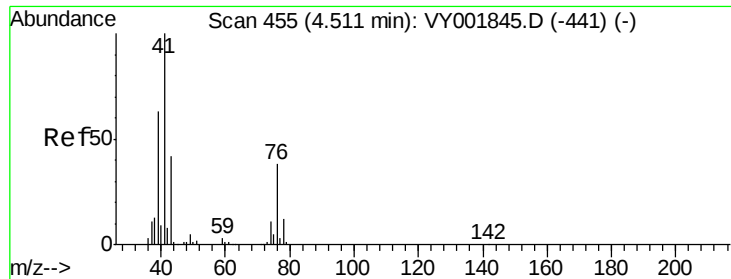
58 27.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

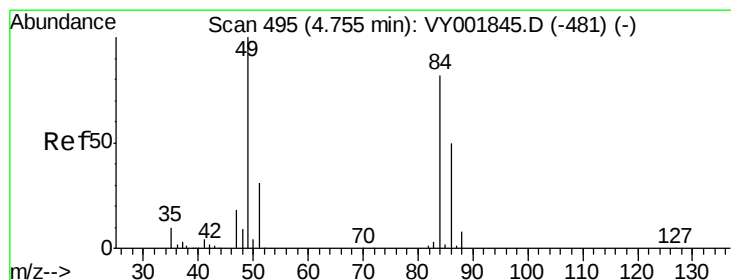
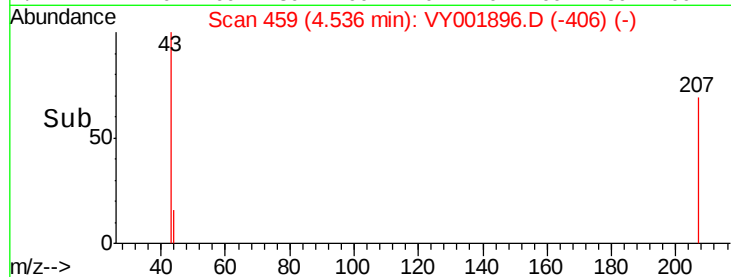
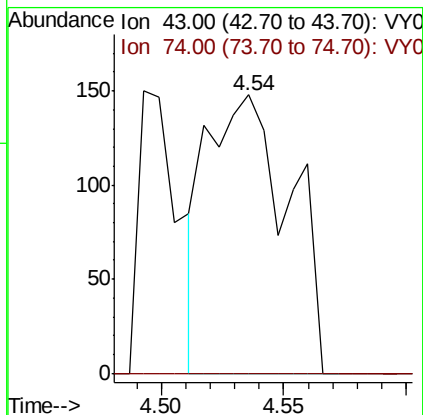
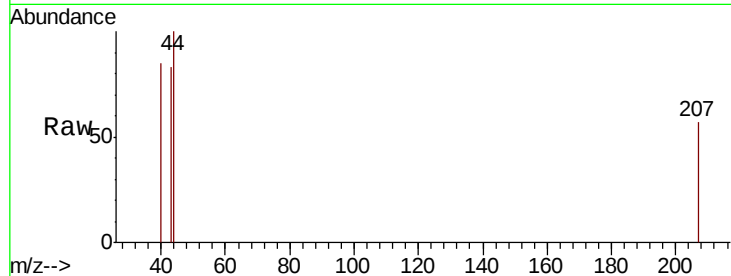




#18
Methyl Acetate
Concen: 1.850 ug/l
RT: 4.54 min Scan# 459
Delta R.T. 0.02 min
Lab File: VY001896.D
Acq: 06 Mar 2020 13:03

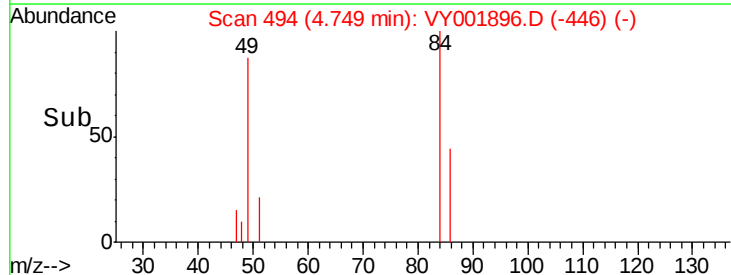
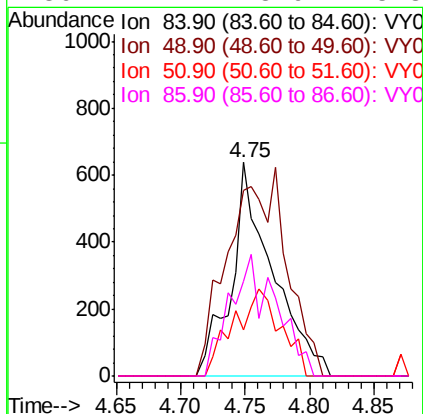
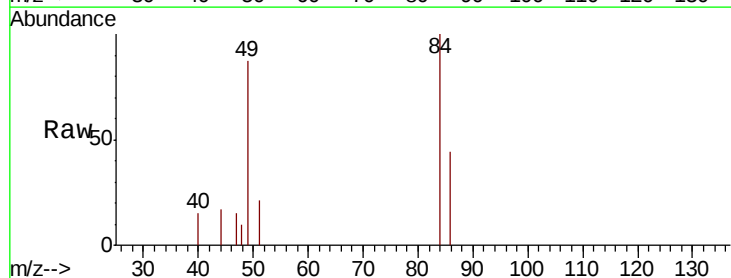
Instrument :
MSVOA_Y
ClientSampled :

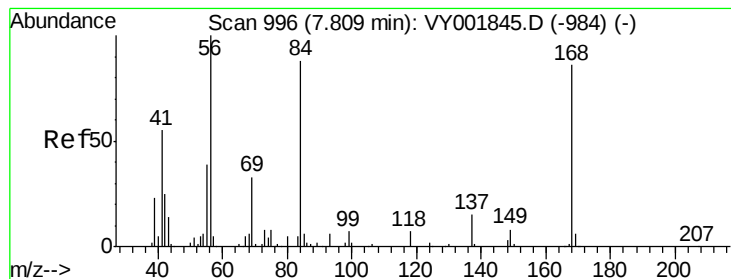
Tot Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: 4.544 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001896.D
Acq: 06 Mar 2020 13:03

Tgt Ion: 84 Resp: 1422
Ion Ratio Lower Upper
84 100
49 87.1 98.2 147.2#
51 21.5 30.2 45.2#
86 44.4 48.9 73.3#





#31

Cyclohexane

Concen: 1.407 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

ClientSampled :

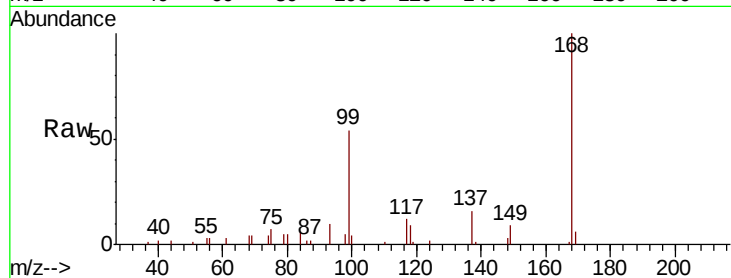
Tot Ion: 56 Resp: 775

Ion Ratio Lower Upper

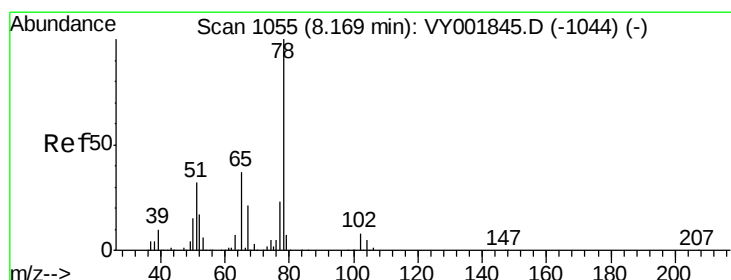
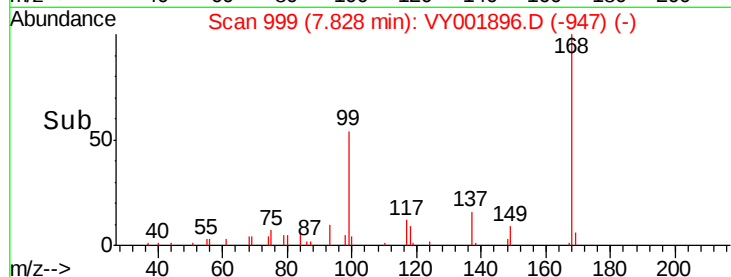
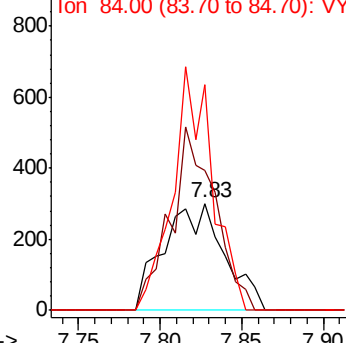
56 100

69 131.3 26.7 40.1#

84 212.0 70.4 105.6#



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: 48.537 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001896.D

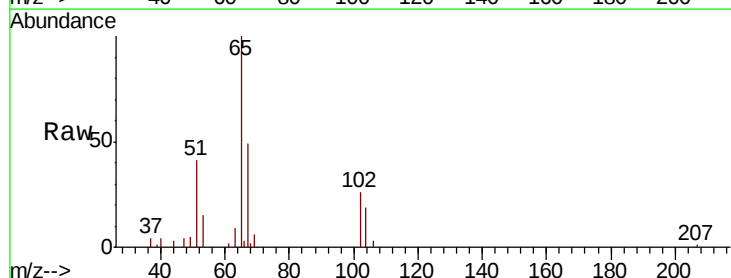
Acq: 06 Mar 2020 13:03

Tgt Ion: 65 Resp: 12167

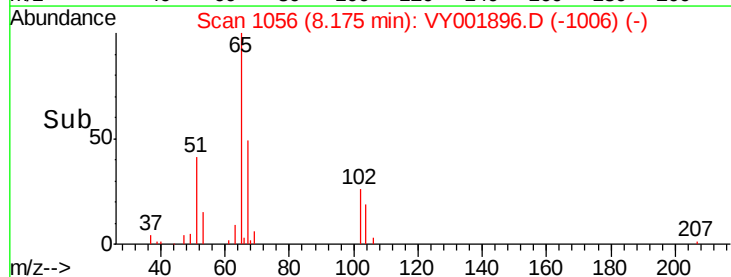
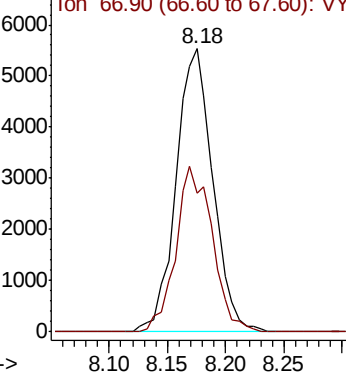
Ion Ratio Lower Upper

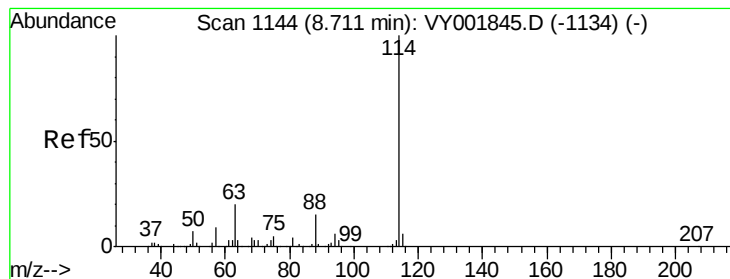
65 100

67 58.0 0.0 110.8



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: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

ClientSampled :

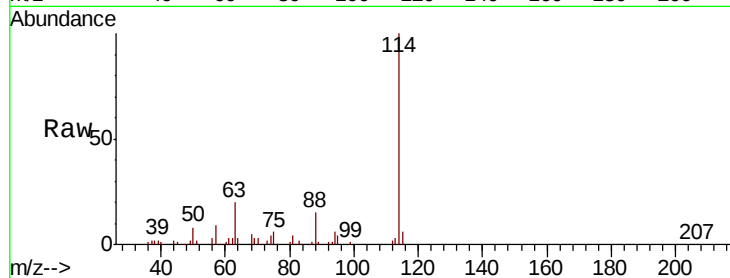
Tot Ion:114 Resp: 39919

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

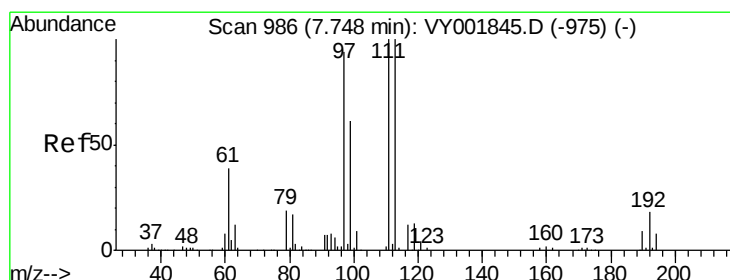
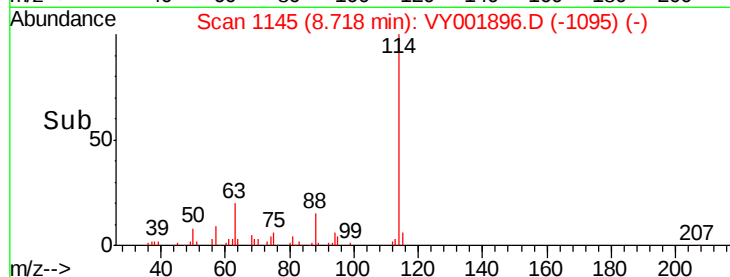
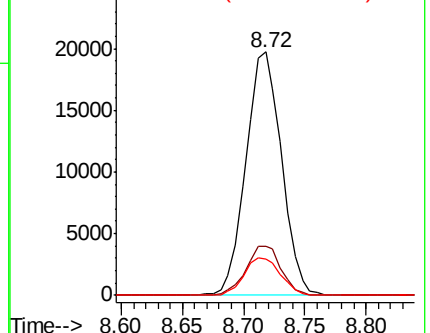
88 14.7 0.0 30.4



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: 49.987 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

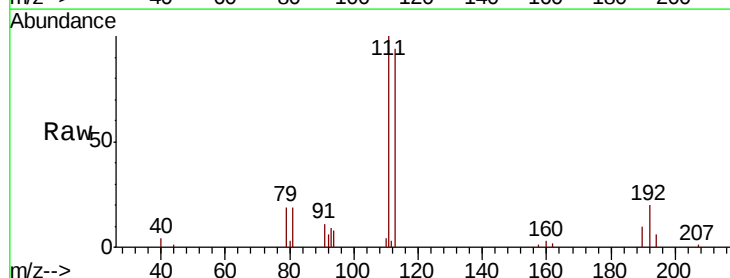
Tgt Ion:113 Resp: 10896

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

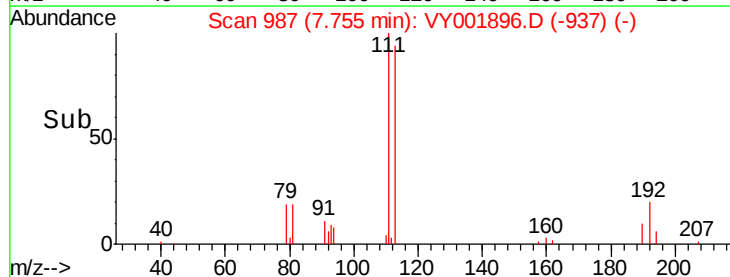
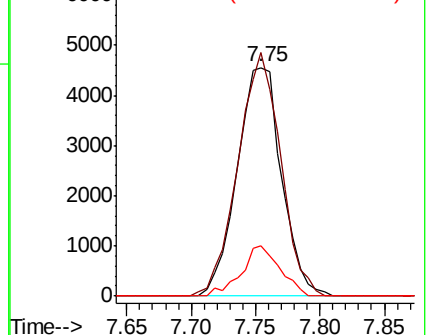
192 19.0 14.2 21.2

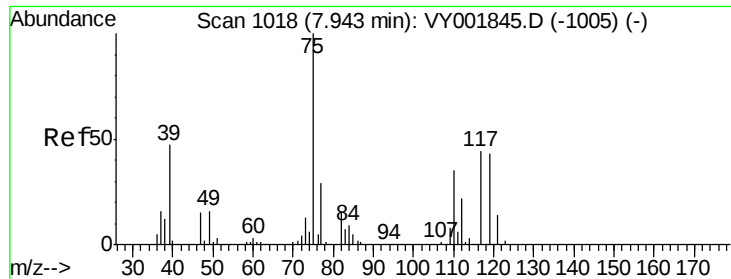


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

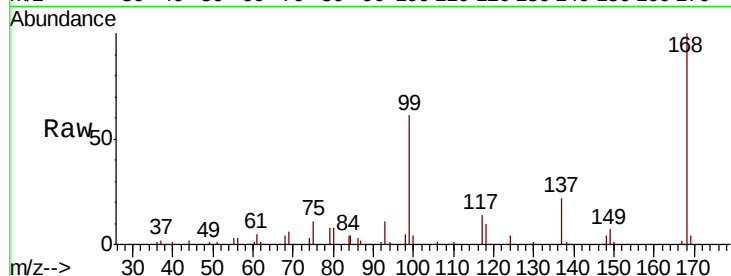




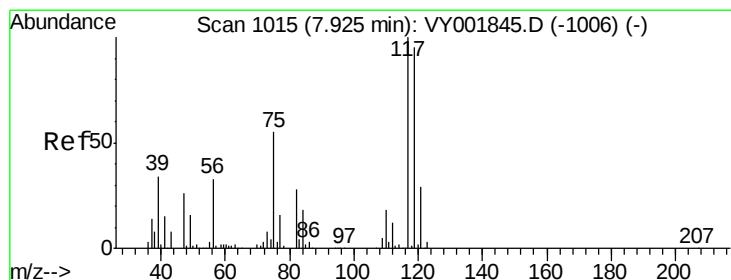
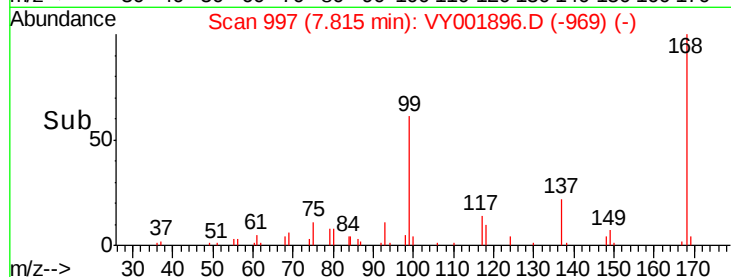
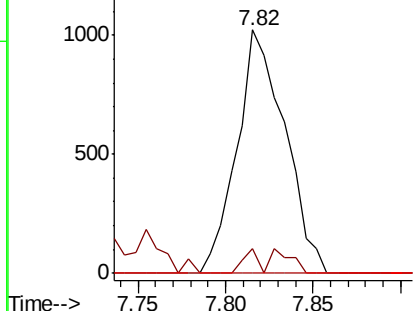
#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001896.D
 Acq: 06 Mar 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 75 Resp: 1947
 Ion Ratio Lower Upper
 75 100
 110 3.0 17.4 52.2#
 77 0.0 24.2 36.2#

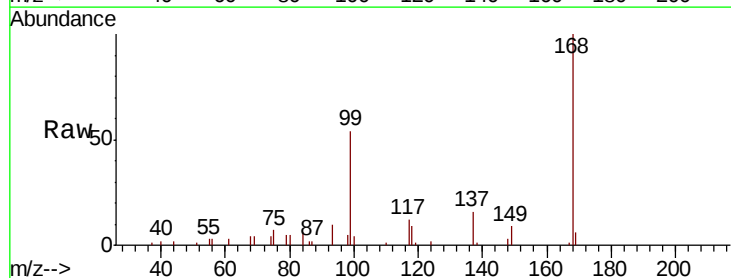


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

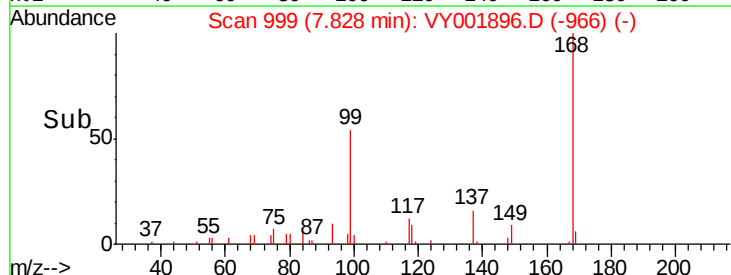
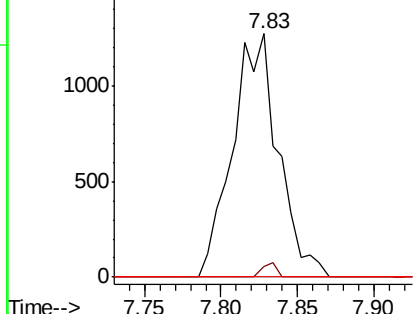


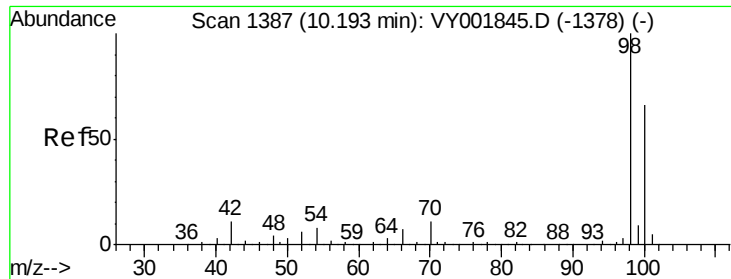
#38
 Carbon Tetrachloride
 Concen: 8.066 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.10 min
 Lab File: VY001896.D
 Acq: 06 Mar 2020 13:03

Tgt Ion: 117 Resp: 2647
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.3 114.5#
 121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 51.366 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

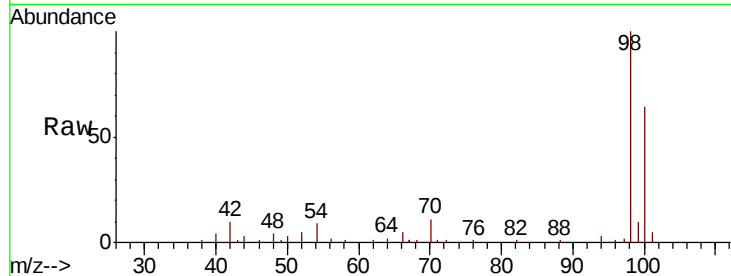
ClientSampled :

Tot Ion: 98 Resp: 47214

Ion Ratio Lower Upper

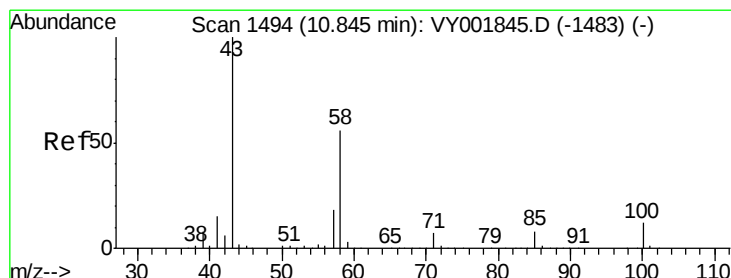
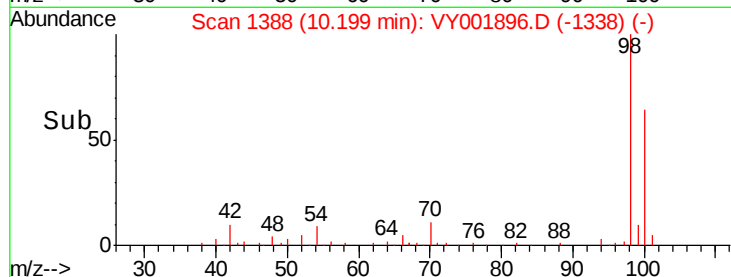
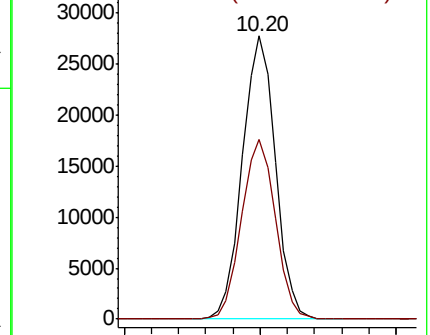
98 100

100 64.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#59

2-Hexanone

Concen: 1.287 ug/l

RT: 10.85 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VY001896.D

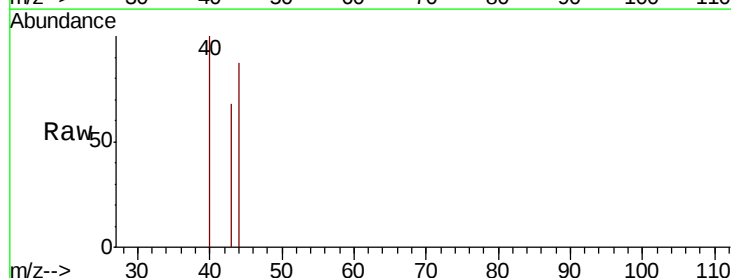
Acq: 06 Mar 2020 13:03

Tgt Ion: 43 Resp: 200

Ion Ratio Lower Upper

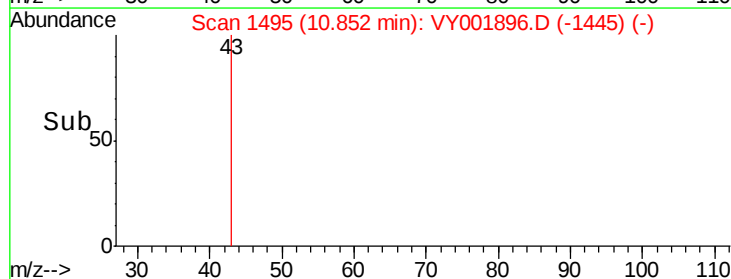
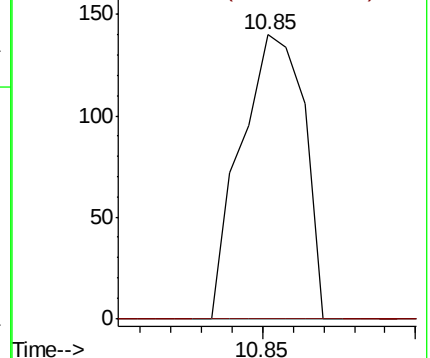
43 100

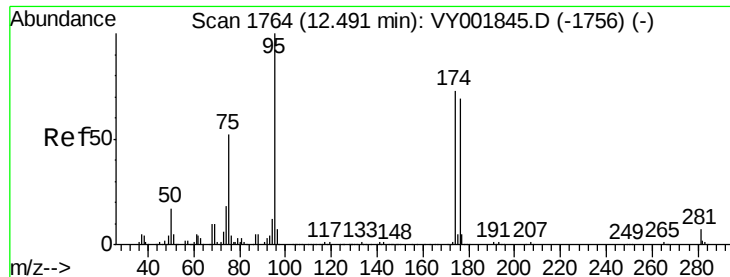
58 0.0 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

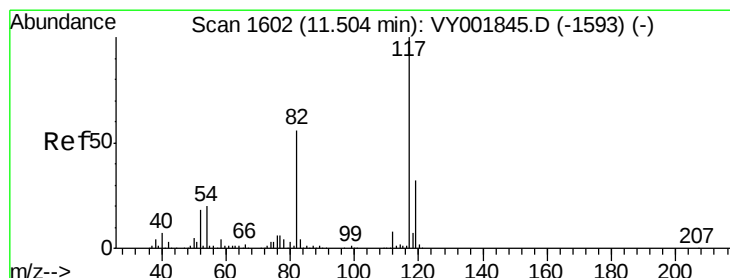
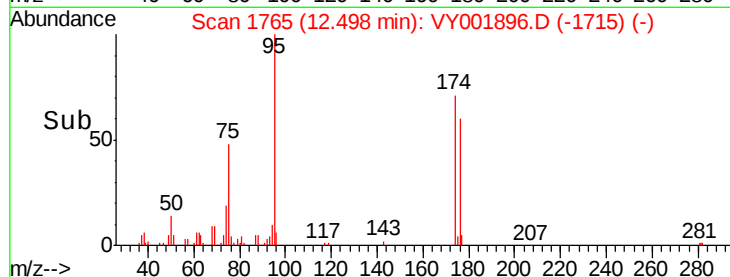
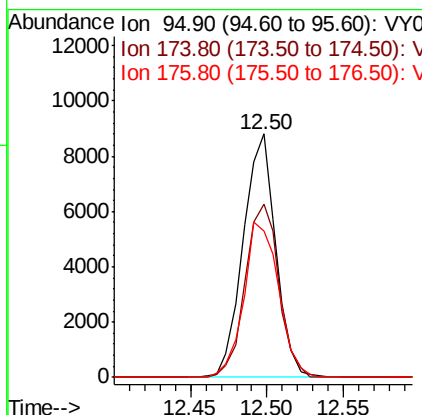
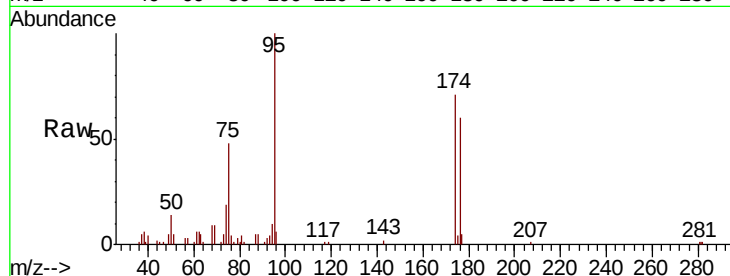




#62
4-Bromofluorobenzene
Concen: 40.641 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001896.D
Acq: 06 Mar 2020 13:03

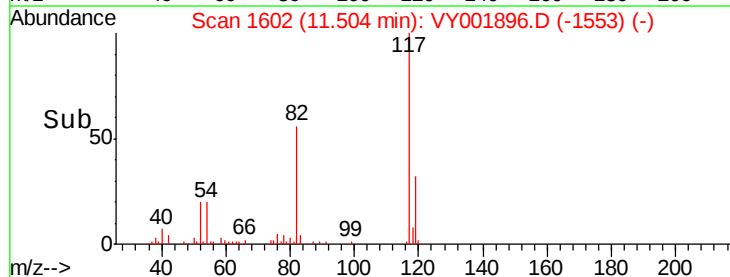
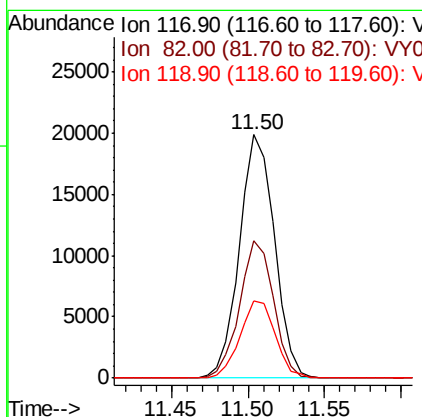
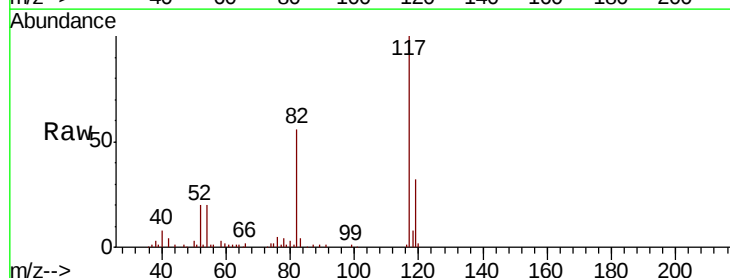
Instrument :
MSVOA_Y
ClientSampleId :

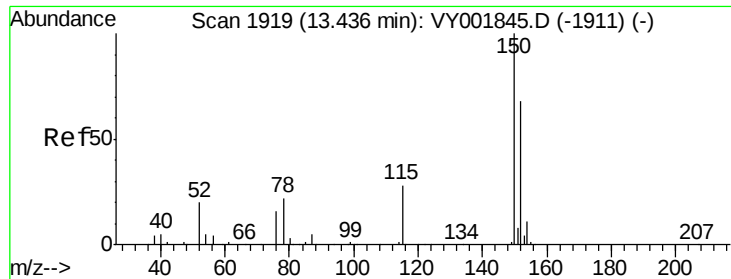
Tot Ion: 95 Resp: 12989
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.0
176 68.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001896.D
Acq: 06 Mar 2020 13:03

Tgt Ion: 117 Resp: 31645
Ion Ratio Lower Upper
117 100
82 56.5 44.5 66.7
119 31.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

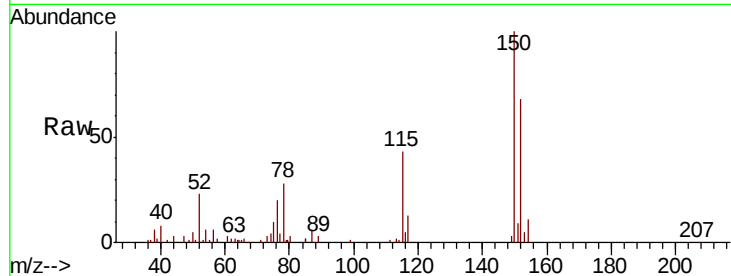
Tot Ion:152 Resp: 11816

Ion Ratio Lower Upper

152 100

115 63.9 29.9 89.7

150 159.1 0.0 340.6

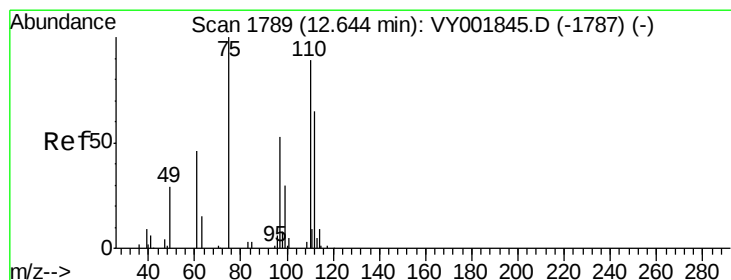
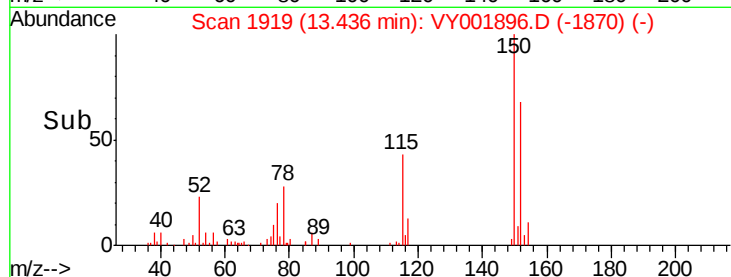
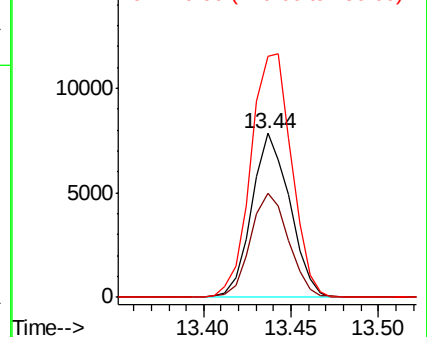


Abundance

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: 45.797 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001896.D

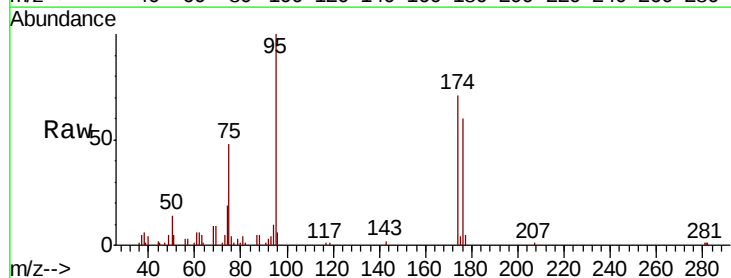
Acq: 06 Mar 2020 13:03

Tgt Ion: 75 Resp: 6421

Ion Ratio Lower Upper

75 100

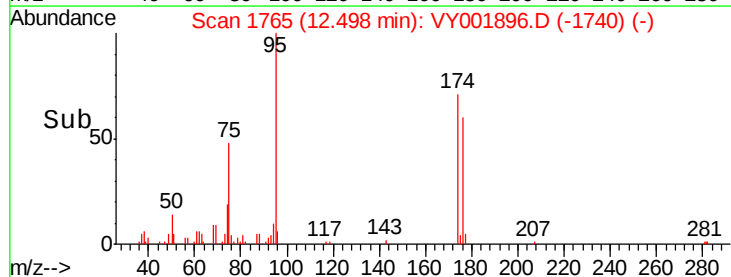
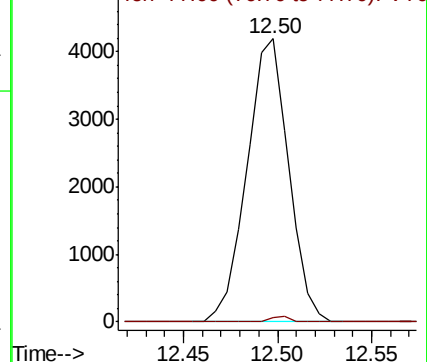
77 0.9 0.0 0.0#

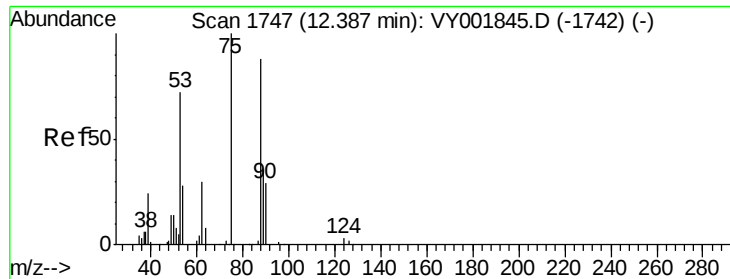


Abundance

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: 92.508 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

ClientSampled :

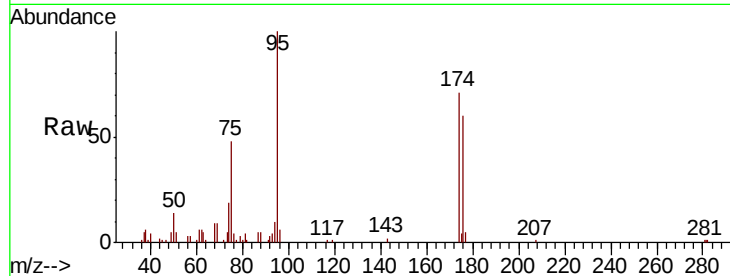
Tot Ion: 75 Resp: 6421

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

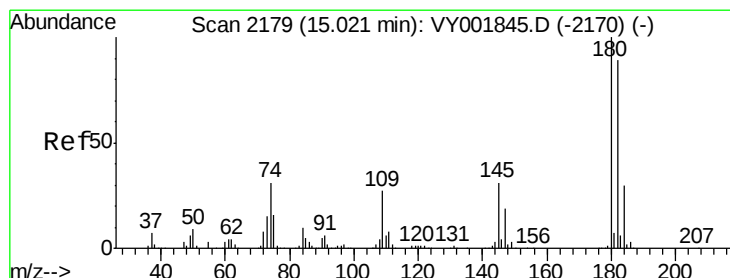
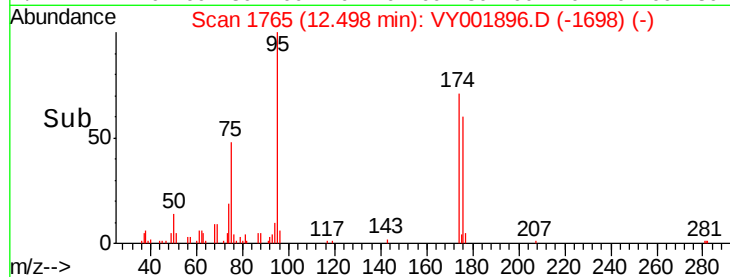
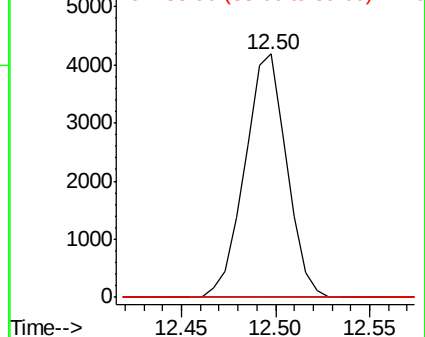
89 0.0 36.0 54.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.772 ug/l

RT: 15.02 min Scan# 2179

Delta R.T. 0.00 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

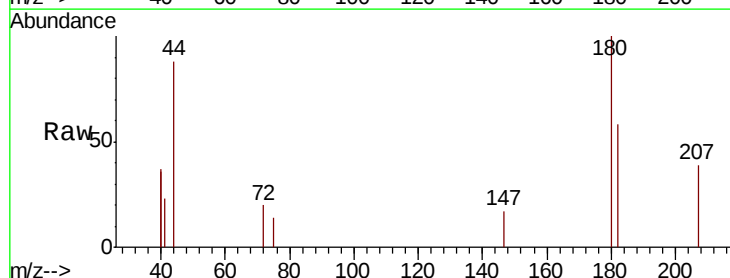
Tgt Ion: 180 Resp: 391

Ion Ratio Lower Upper

180 100

182 84.7 46.1 138.3

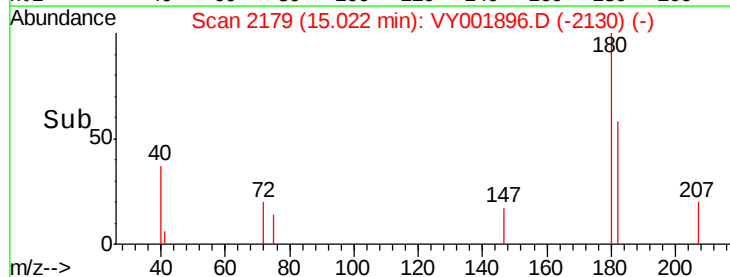
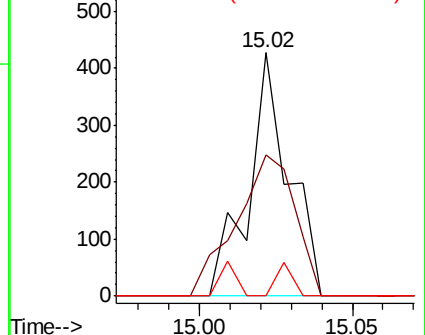
145 5.4 15.6 46.8#

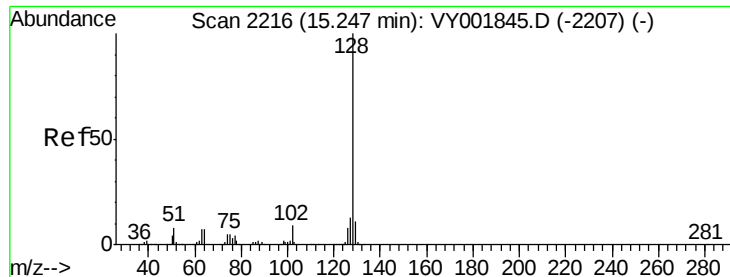


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 2.341 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

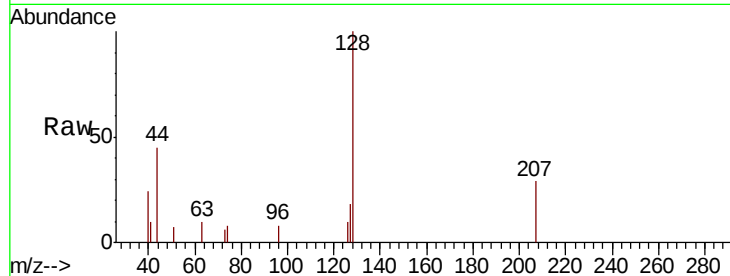
Tot Ion:128 Resp: 1225

Ion Ratio Lower Upper

128 100

127 7.7 10.1 15.1#

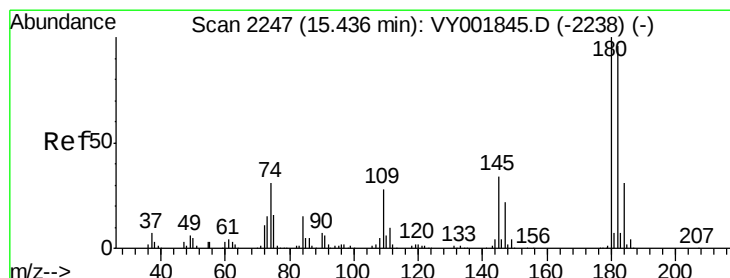
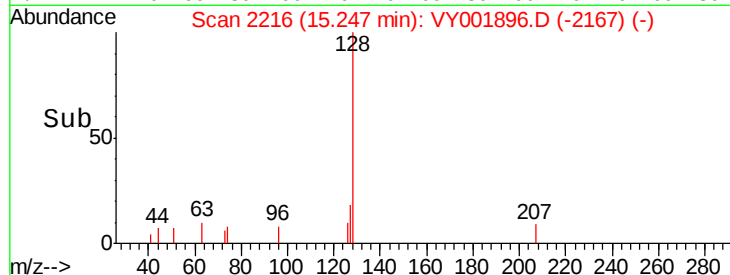
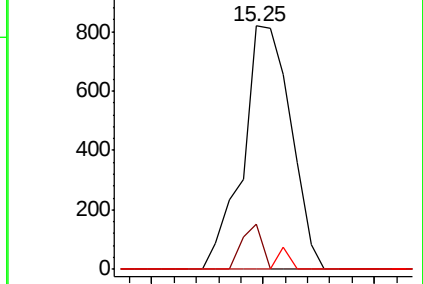
129 2.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.734 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001896.D

Acq: 06 Mar 2020 13:03

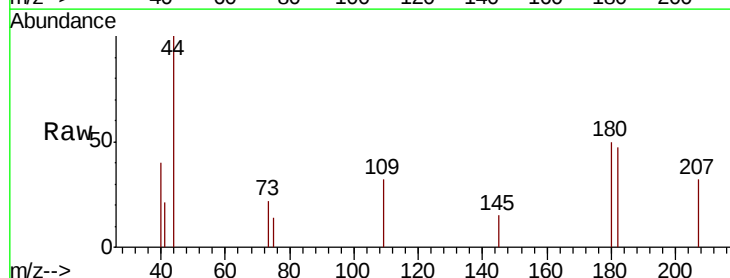
Tgt Ion:180 Resp: 337

Ion Ratio Lower Upper

180 100

182 121.4 47.6 142.9

145 14.8 16.8 50.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

