

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001838.D
 Acq On : 03 Mar 2020 16:26
 Operator : SY/MD
 Sample : L1772-02
 Misc : 6.96G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-7

Quant Time: Mar 04 03:41:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	148622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	283901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	109676	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	92748	58.02	ug/l	0.00
Spiked Amount			Recovery	=	116.04%	
35) Dibromofluoromethane	7.74	113	82778	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.19	98	345995	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.49	95	114117	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

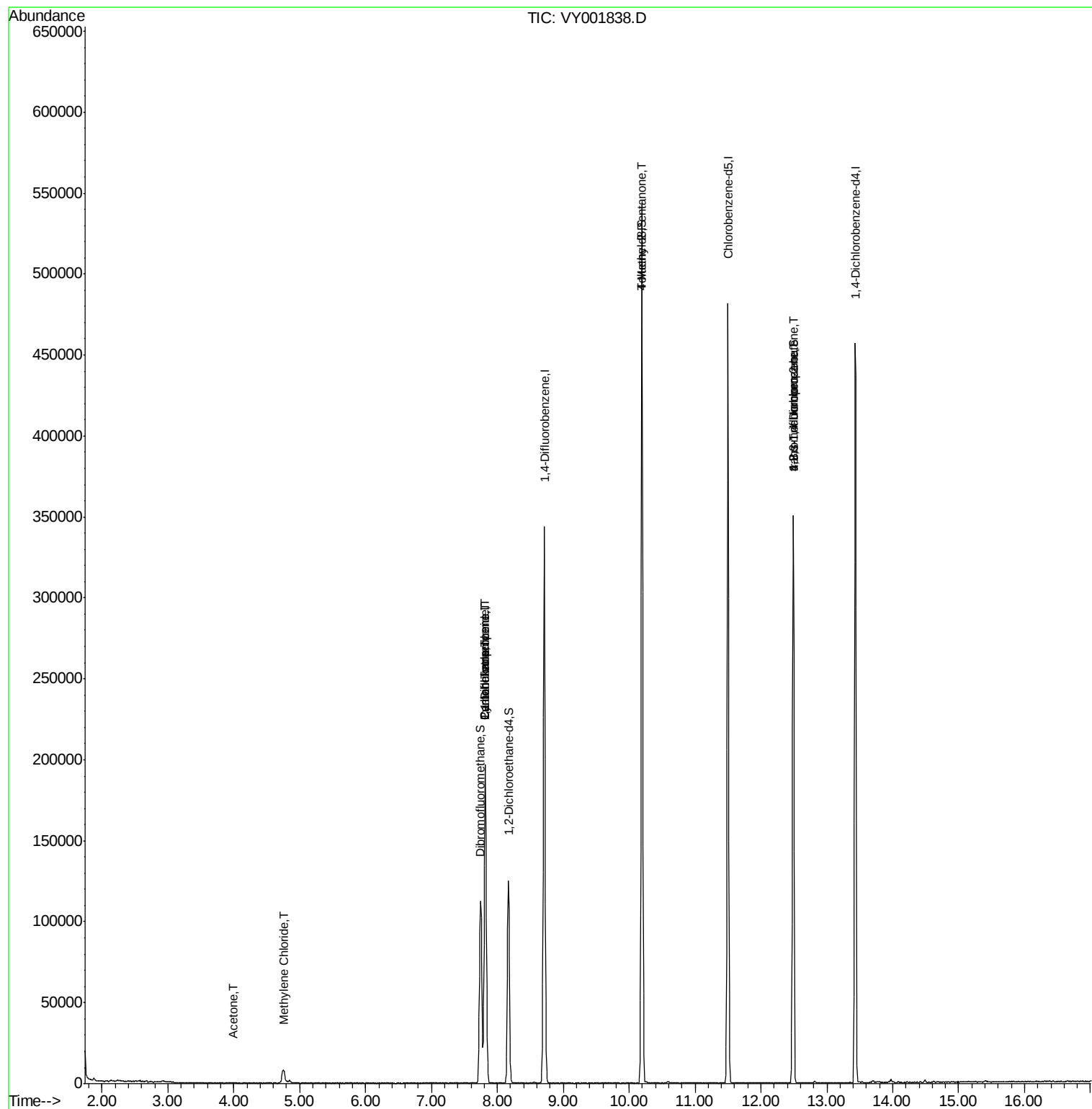
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	38	Below Cal	#	74
16) Acetone	3.99	43	613	1.108	ug/l	90
20) Methylene Chloride	4.75	84	6180	3.145	ug/l	95
31) Cyclohexane	7.82	56	3543	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12601	4.647	ug/l #	49
38) Carbon Tetrachloride	7.82	117	15235	6.396	ug/l #	17
51) 4-Methyl-2-Pentanone	10.19	43	1580	1.001	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	59686	47.440	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	59686	90.003	ug/l #	17

(#) = 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# 997

Delta R.T. 0.00 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampled :

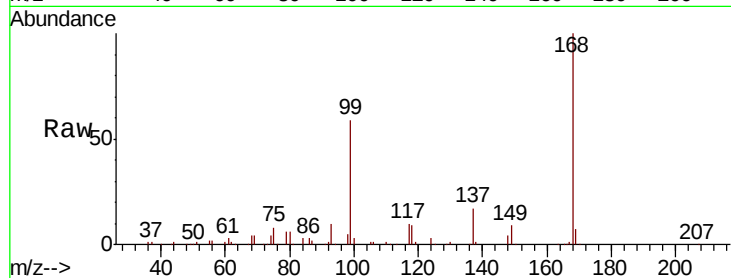
EP-7

Tot Ion:168 Resp: 148622

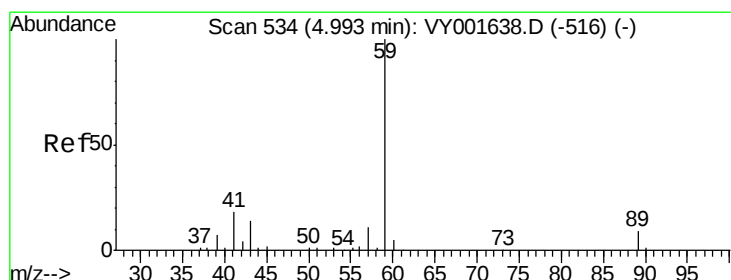
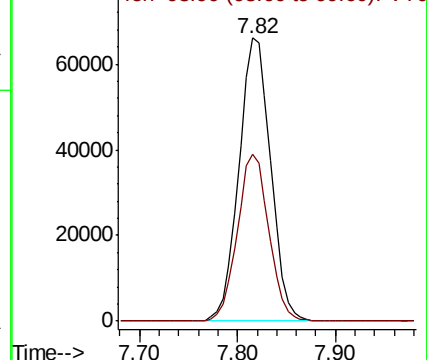
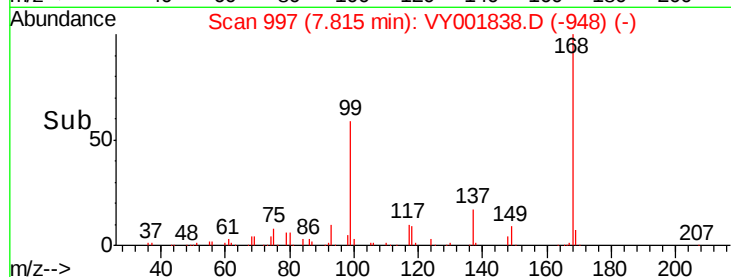
Ion Ratio Lower Upper

168 100

99 58.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001838.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.04 min

Lab File: VY001838.D

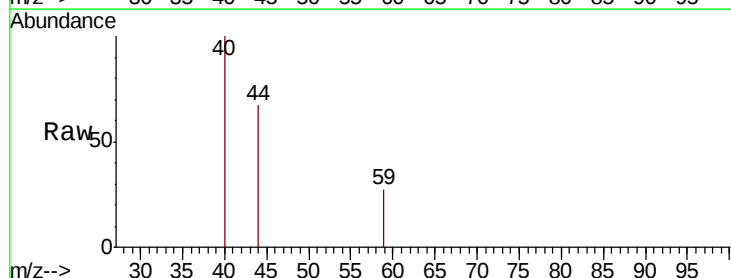
Acq: 03 Mar 2020 16:26

Tgt Ion: 59 Resp: 38

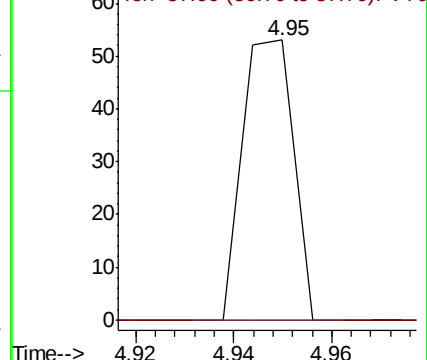
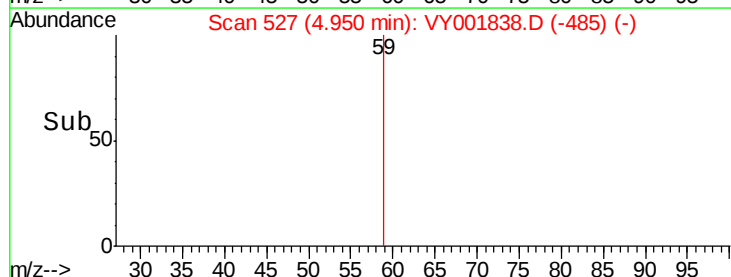
Ion Ratio Lower Upper

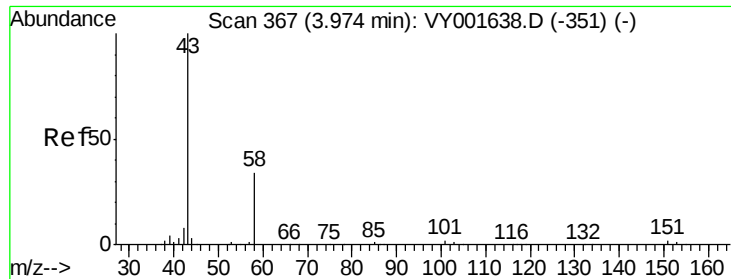
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001838.D (-485) (-)





#16

Acetone

Concen: 1.108 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampled :

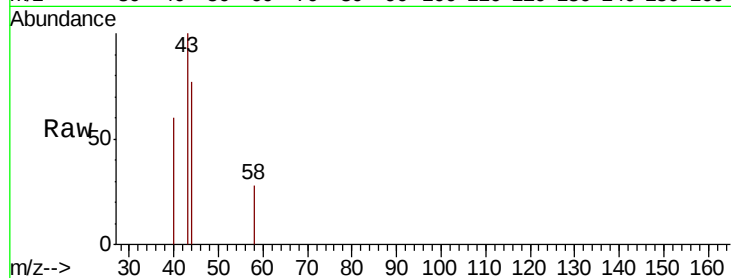
EP-7

Tot Ion: 43 Resp: 613

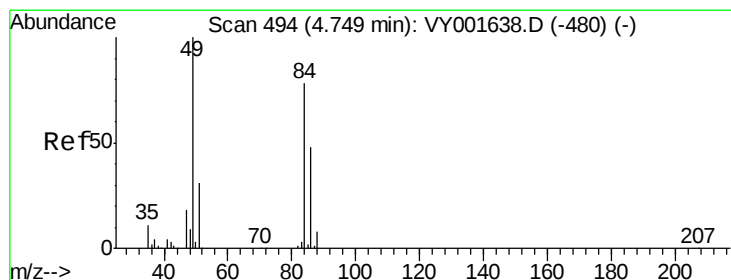
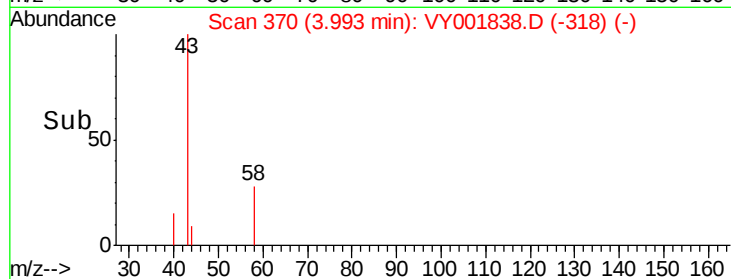
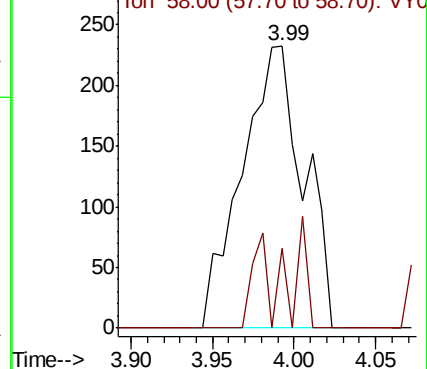
Ion Ratio Lower Upper

43 100

58 28.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001838.D (-370) (-)



#20

Methylene Chloride

Concen: 3.145 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Tgt Ion: 84 Resp: 6180

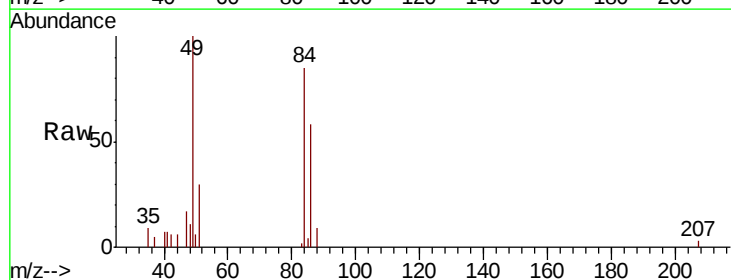
Ion Ratio Lower Upper

84 100

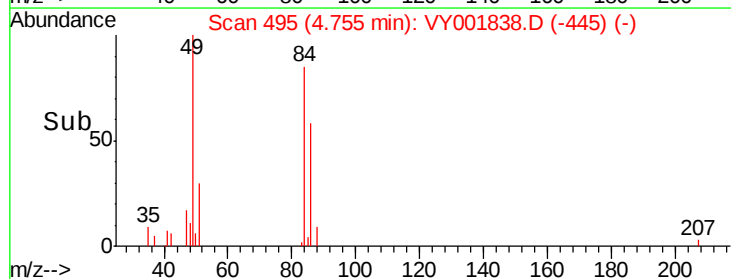
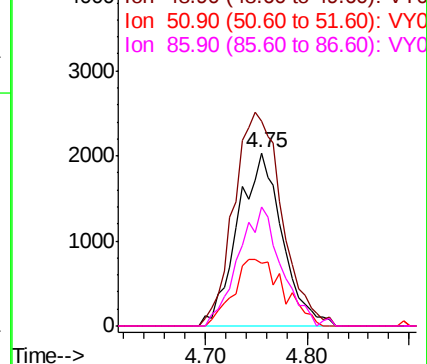
49 118.2 99.2 148.8

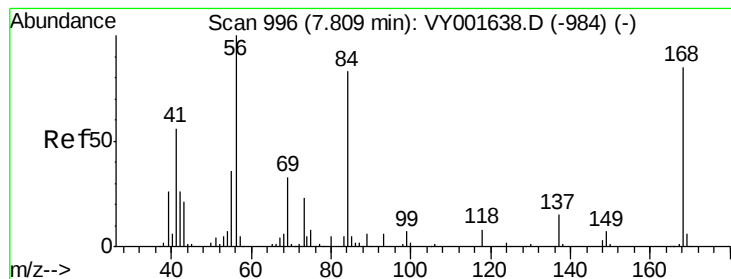
51 35.9 31.5 47.3

86 68.4 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001838.D (-495) (-)





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-7

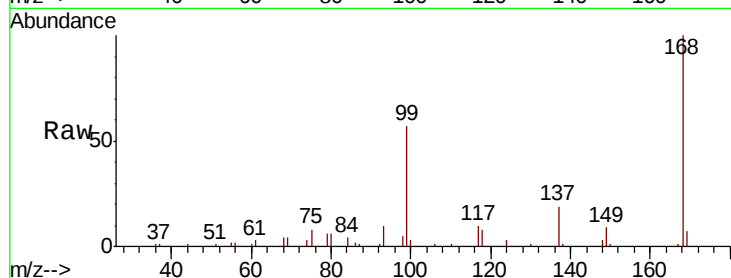
Tot Ion: 56 Resp: 3543

Ion Ratio Lower Upper

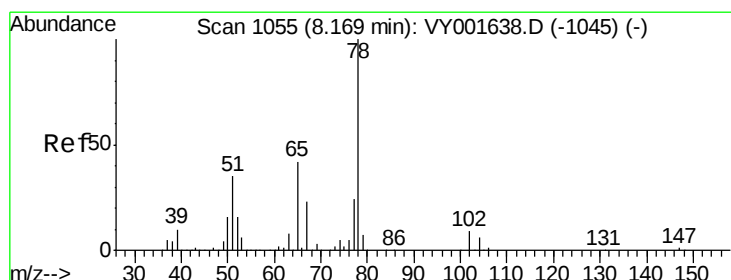
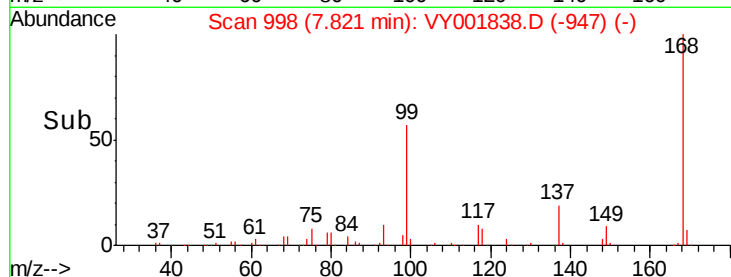
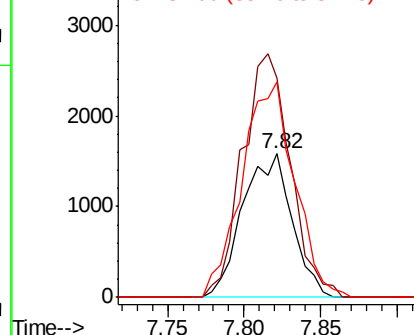
56 100

69 152.3 25.1 37.7#

84 150.0 66.9 100.3#



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: 58.017 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY001838.D

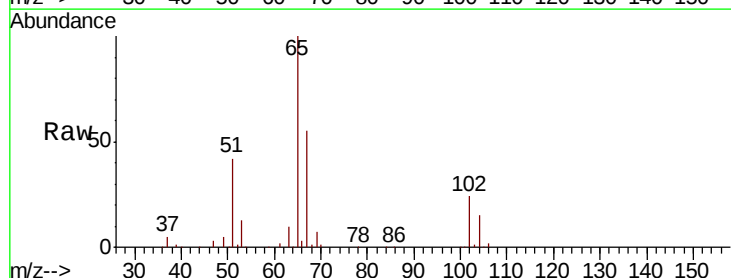
Acq: 03 Mar 2020 16:26

Tgt Ion: 65 Resp: 92748

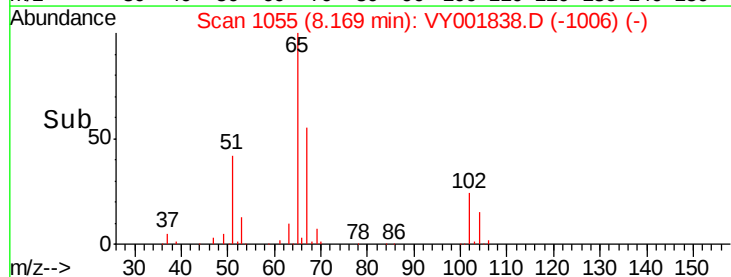
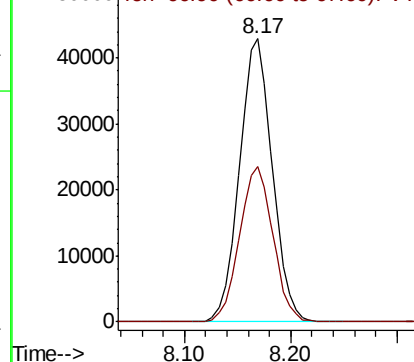
Ion Ratio Lower Upper

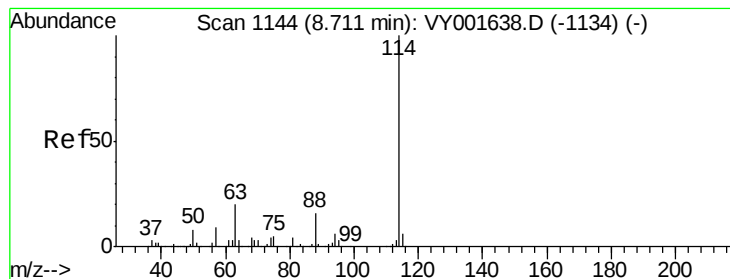
65 100

67 56.0 0.0 111.0



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: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-7

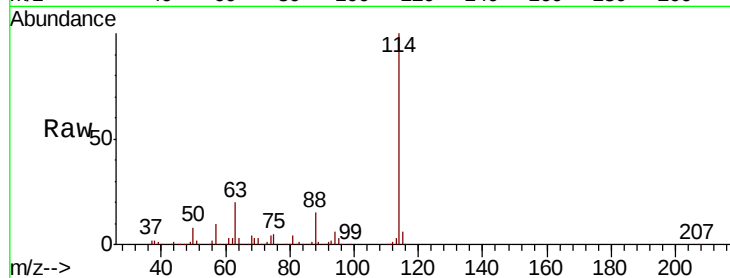
Tot Ion:114 Resp: 283901

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 15.2 0.0 32.8



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

200000

150000

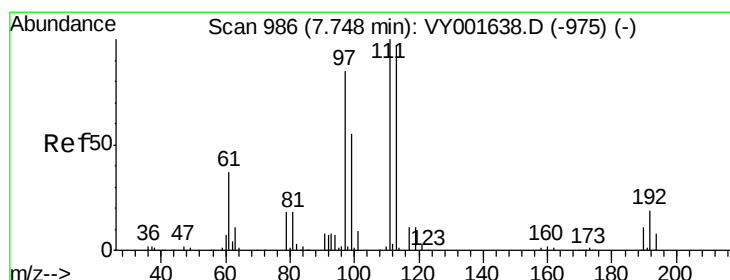
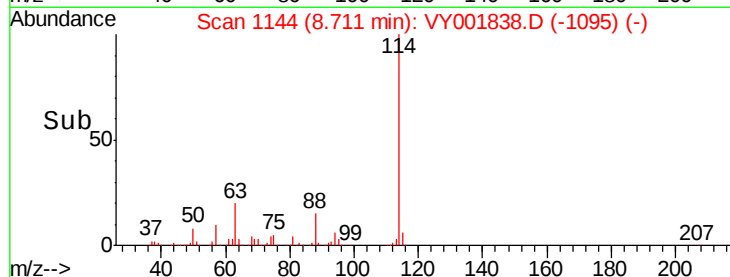
100000

50000

0

8.60 8.70 8.80

Time-->



#35

Dibromofluoromethane

Concen: 50.907 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

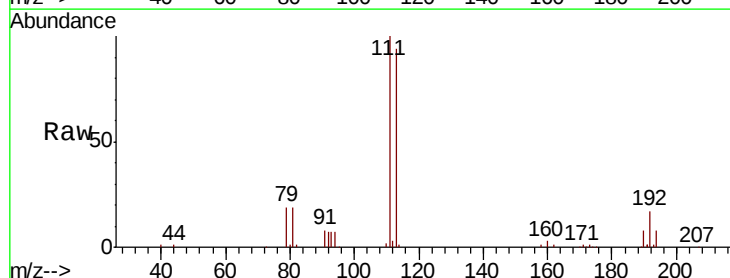
Tgt Ion:113 Resp: 82778

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 18.8 14.3 21.5



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

50000

40000

30000

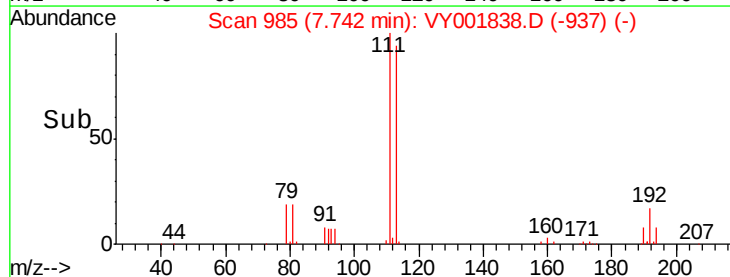
20000

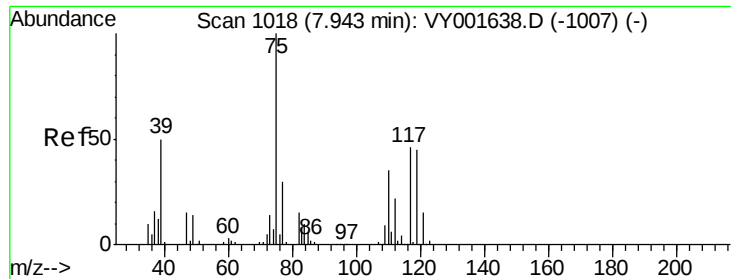
10000

0

7.60 7.70 7.80 7.90

Time-->

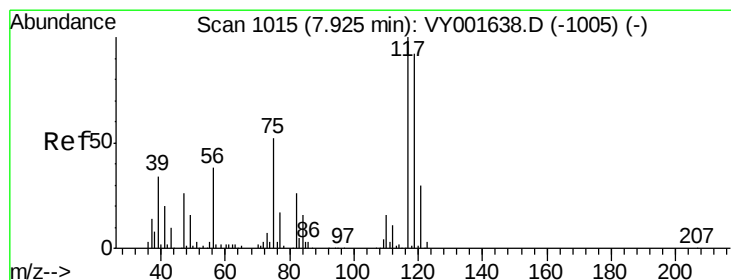
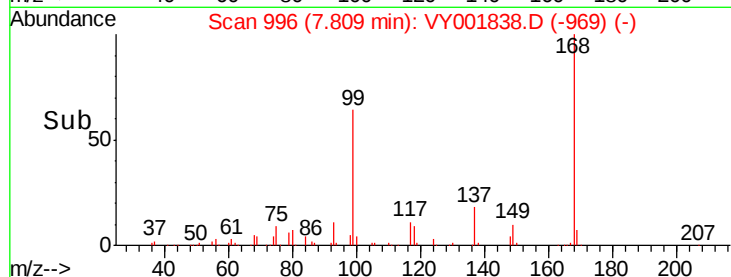
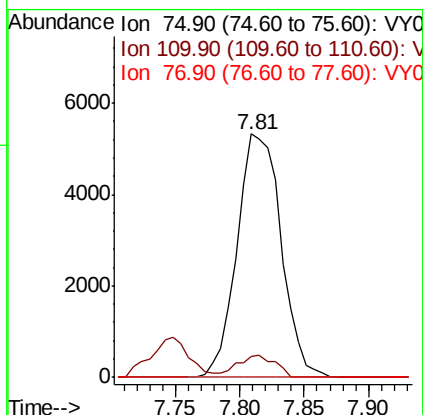
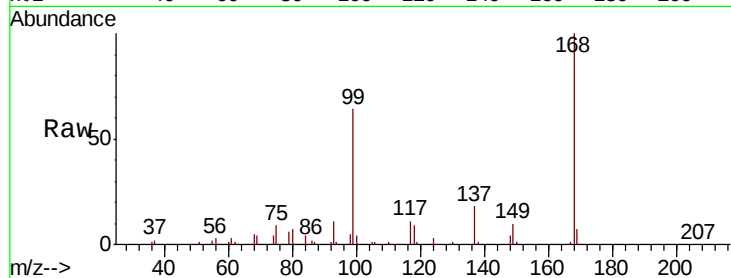




#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001838.D
 Acq: 03 Mar 2020 16:26

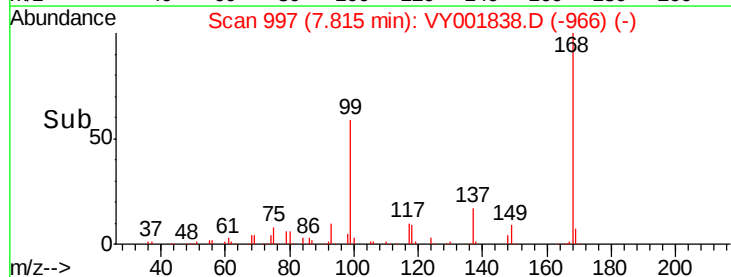
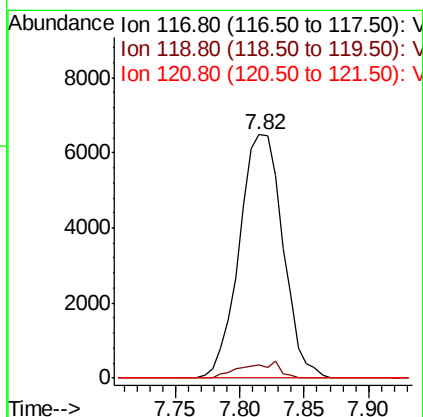
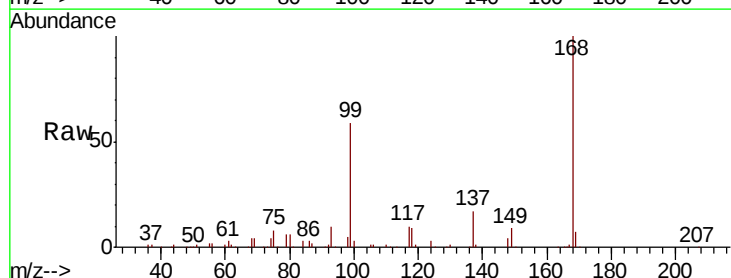
Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-7

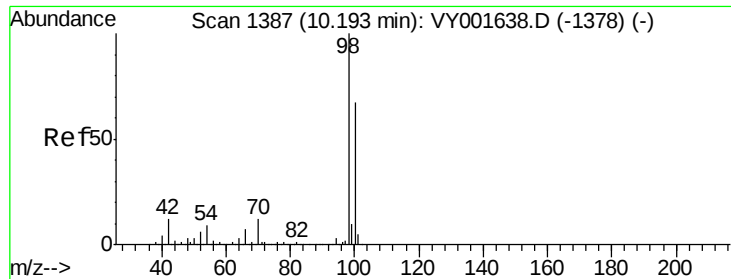
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.396 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001838.D
 Acq: 03 Mar 2020 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 54.313 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

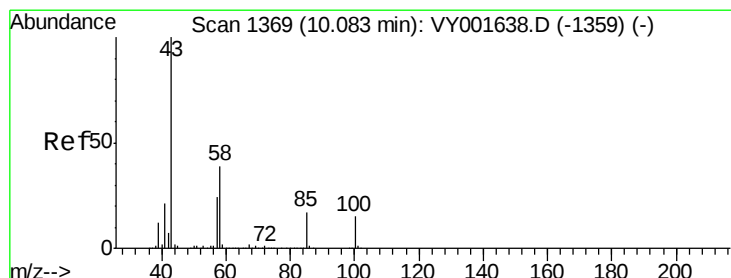
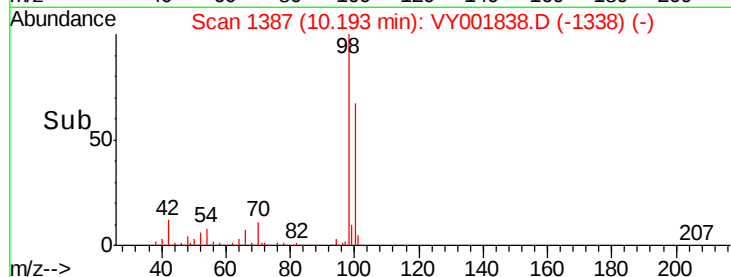
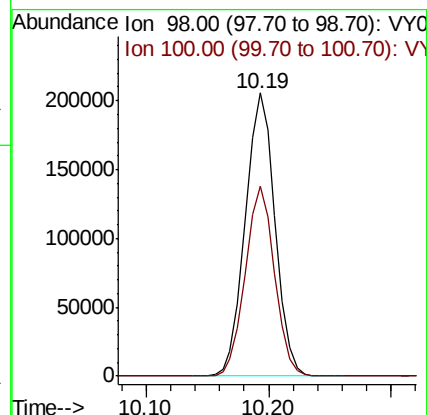
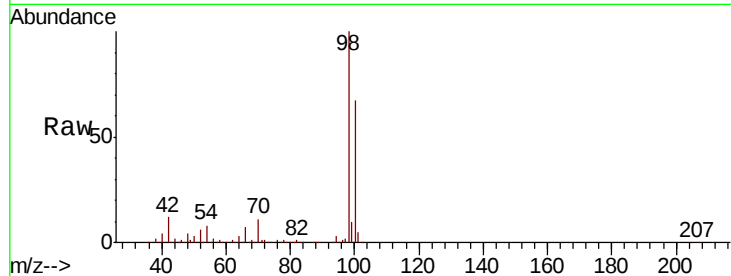
EP-7

Tot Ion: 98 Resp: 345995

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.001 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001838.D

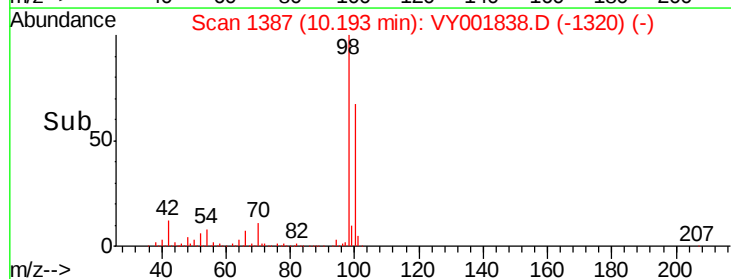
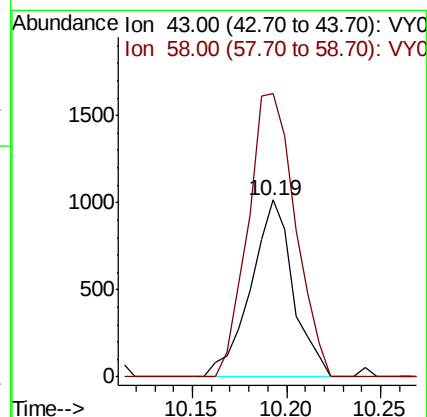
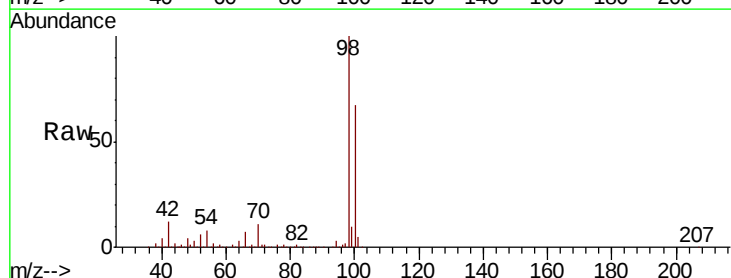
Acq: 03 Mar 2020 16:26

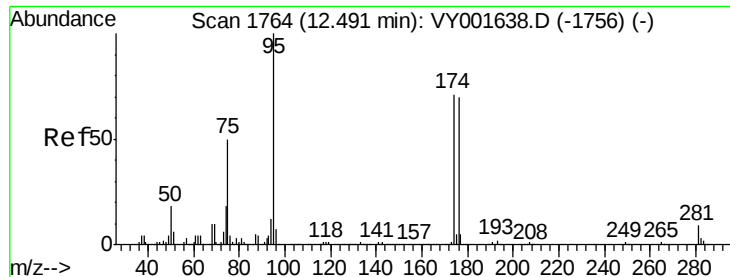
Tgt Ion: 43 Resp: 1580

Ion Ratio Lower Upper

43 100

58 179.1 32.2 48.4#

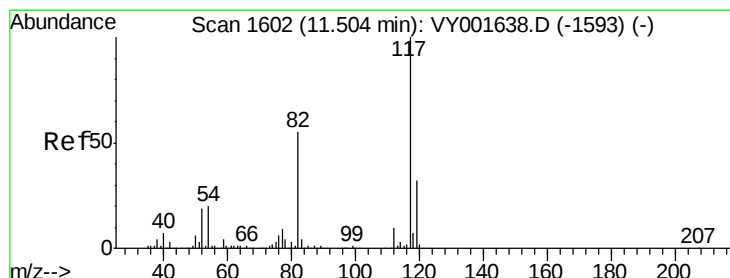
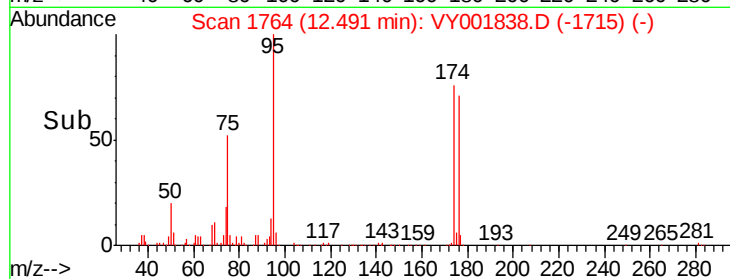
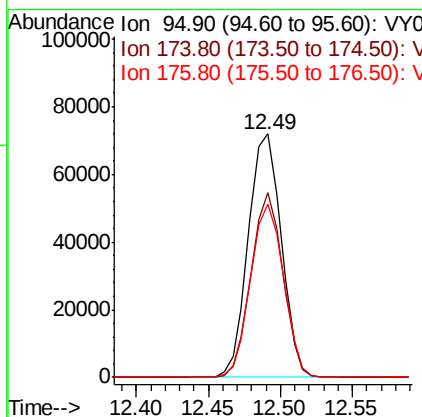
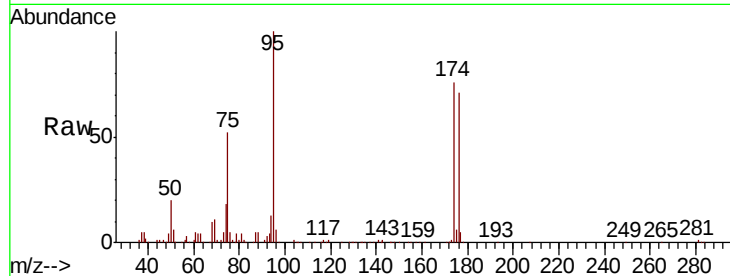




#62
4-Bromofluorobenzene
Concen: 46.111 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001838.D
Acq: 03 Mar 2020 16:26

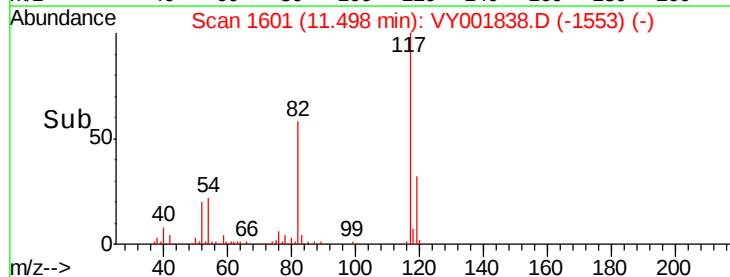
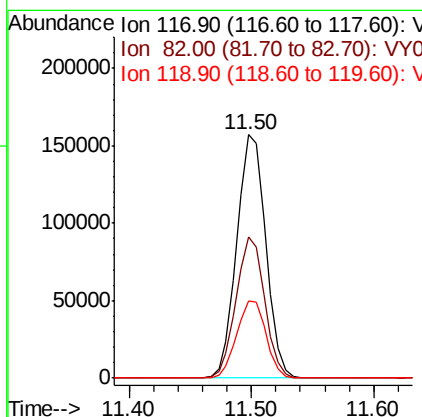
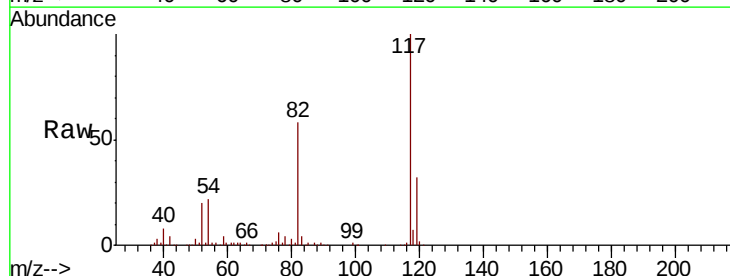
Instrument :
MSVOA_Y
ClientSampled :
EP-7

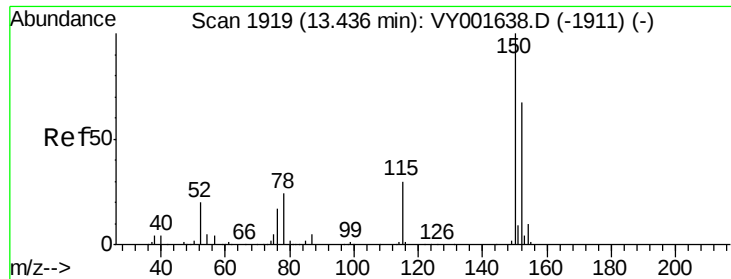
Tot Ion	95	Resp	114	117
Ion Ratio	100			
Lower		0.0		
Upper		138.4		
174	73.3			
176	71.3			
		0.0		131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001838.D
Acq: 03 Mar 2020 16:26

Tgt Ion	117	Resp	257	740
Ion Ratio	100			
Lower		45.5		
Upper		68.3		
82	58.2			
119	31.9			
		25.8		38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-7

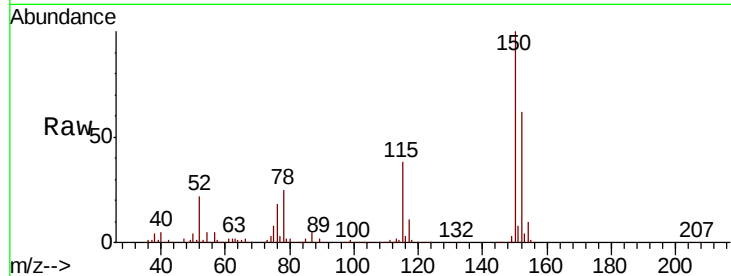
Tot Ion:152 Resp: 109676

Ion Ratio Lower Upper

152 100

115 62.5 31.4 94.2

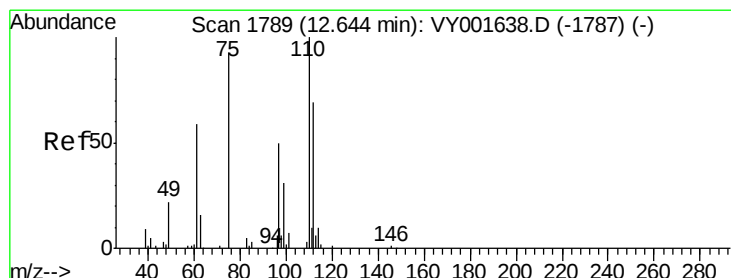
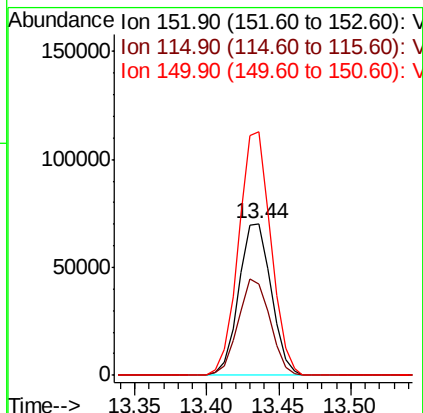
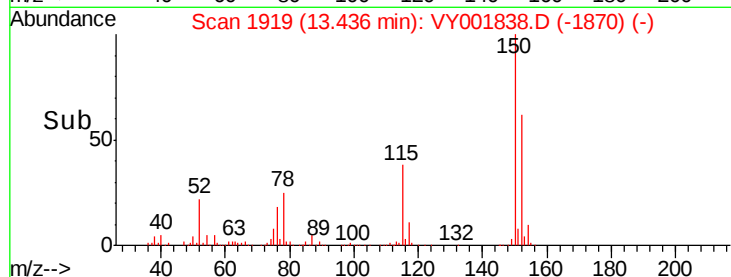
150 159.8 0.0 407.2



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: 47.440 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001838.D

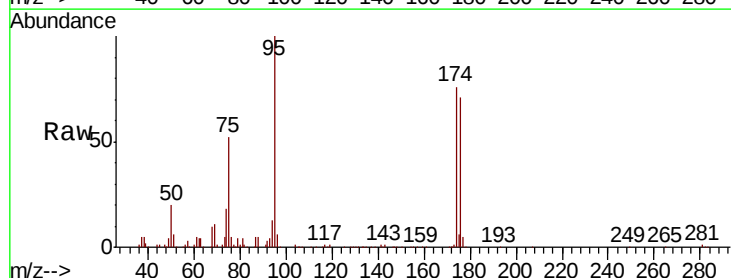
Acq: 03 Mar 2020 16:26

Tgt Ion: 75 Resp: 59686

Ion Ratio Lower Upper

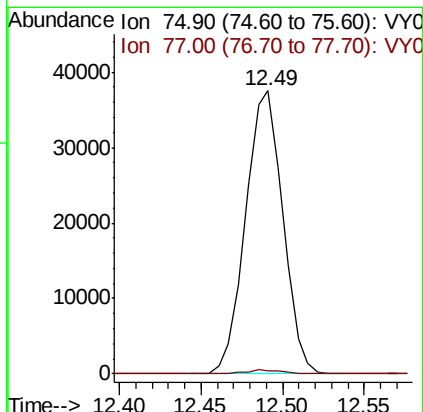
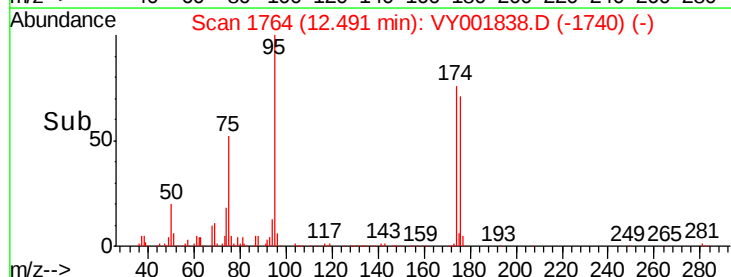
75 100

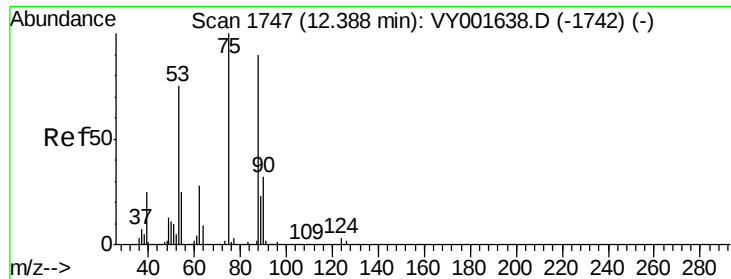
77 1.4 0.0 0.0#



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: 90.003 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001838.D

Acq: 03 Mar 2020 16:26

Instrument :

MSVOA_Y

ClientSampleId :

EP-7

Tot Ion: 75 Resp: 59686

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

