

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001539.D
 Acq On : 06 Feb 2020 18:25
 Operator : SY/MD
 Sample : L1408-14RE
 Misc : 4.55G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:09:30 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	7.82	168	159524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	292897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	267469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111483	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	96409	60.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.04%	
35) Dibromofluoromethane	7.75	113	88284	52.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.54%	
50) Toluene-d8	10.19	98	349196	54.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.49	95	122005	48.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.94%	

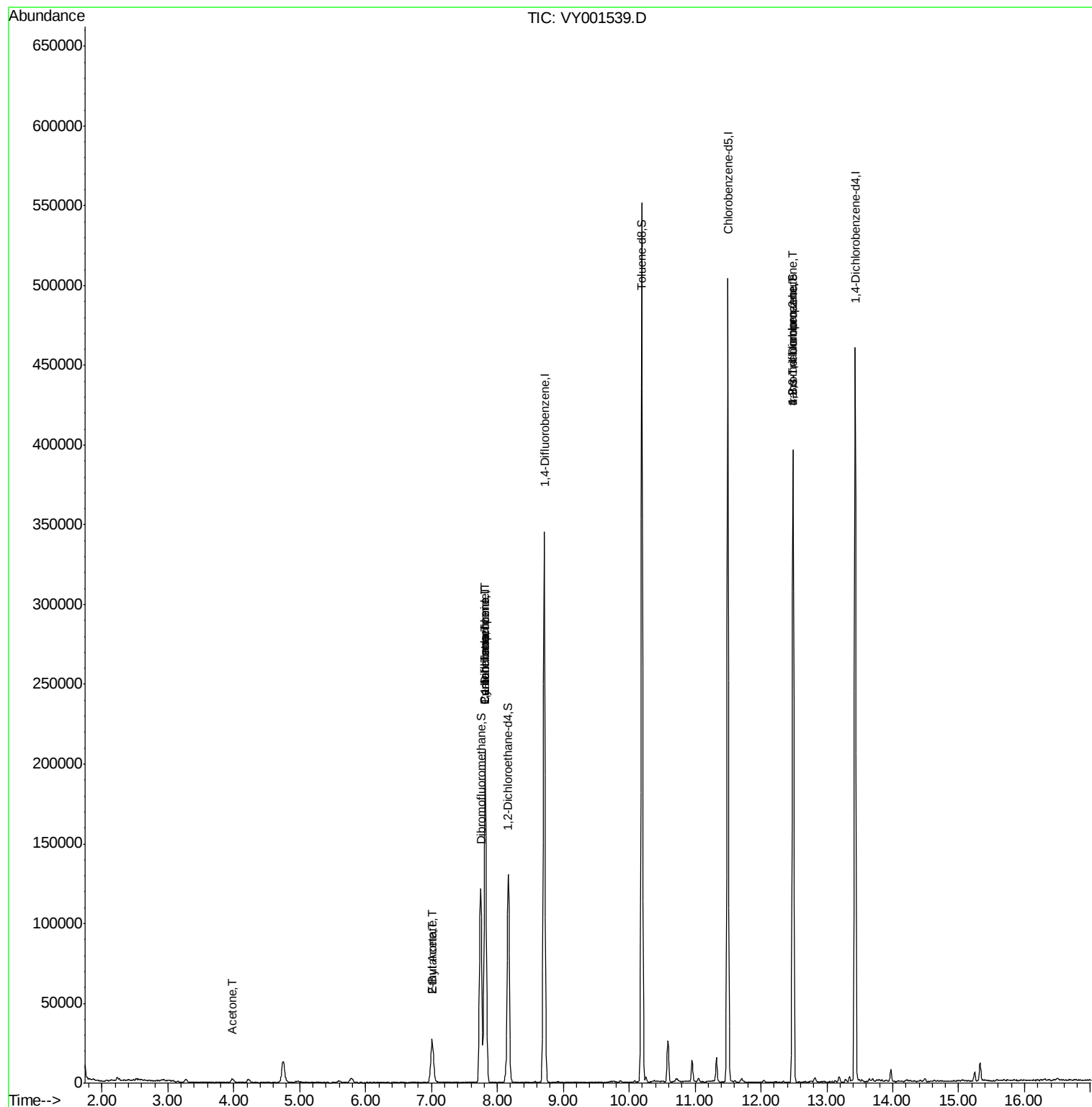
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1495	Below Cal	#	76
16) Acetone	3.98	43	4559	9.813	ug/l #	79
25) 2-Butanone	7.02	43	2416	4.008	ug/l #	61
31) Cyclohexane	7.81	56	3402	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12610	4.706	ug/l #	50
37) Ethyl Acetate	7.02	43	2416	1.863	ug/l #	34
38) Carbon Tetrachloride	7.82	117	15903	6.135	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	62052	51.758	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62052	100.149	ug/l #	16

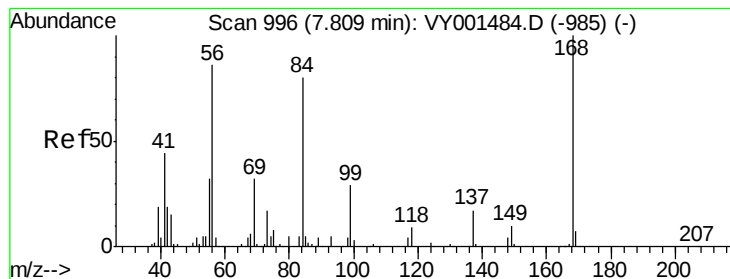
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001539.D

Acq: 06 Feb 2020 18:25

Instrument :

MSVOA_Y

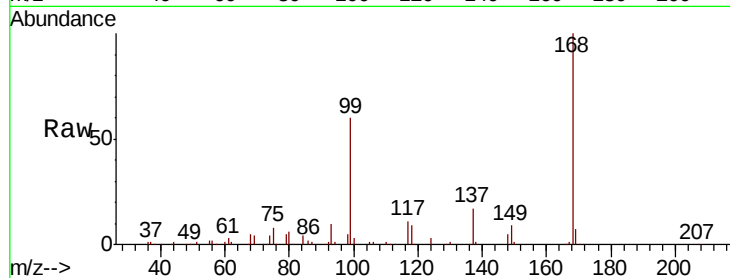
ClientSampleId :

Tot Ion:168 Resp: 159524

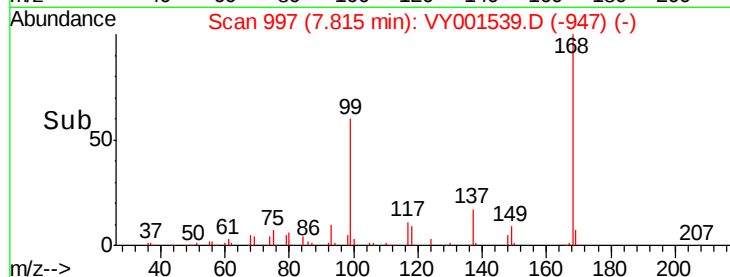
Ion Ratio Lower Upper

168 100

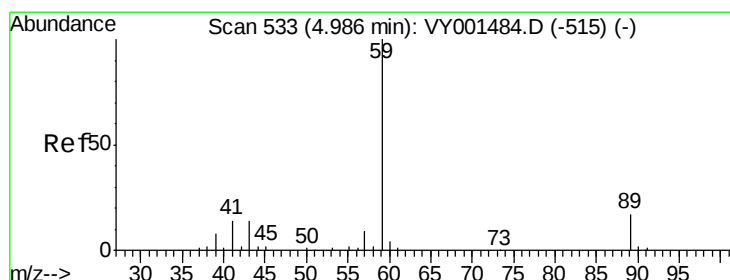
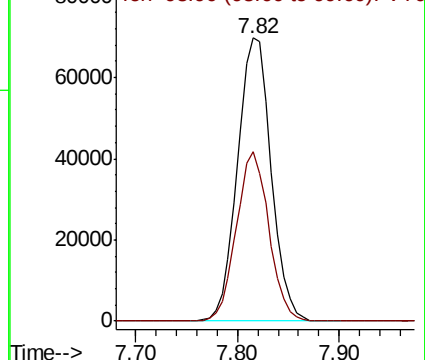
99 59.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001539.D (-947) (-)



Ion 98.90 (98.60 to 99.60): VY001539.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001539.D

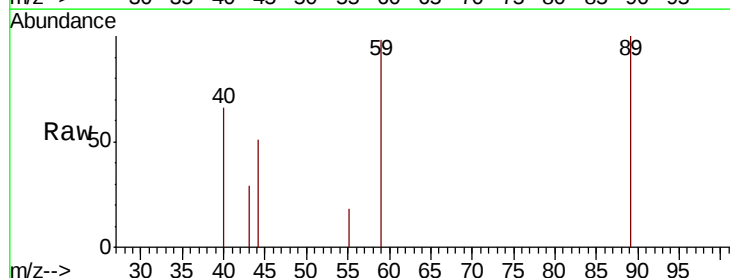
Acq: 06 Feb 2020 18:25

Tgt Ion: 59 Resp: 1495

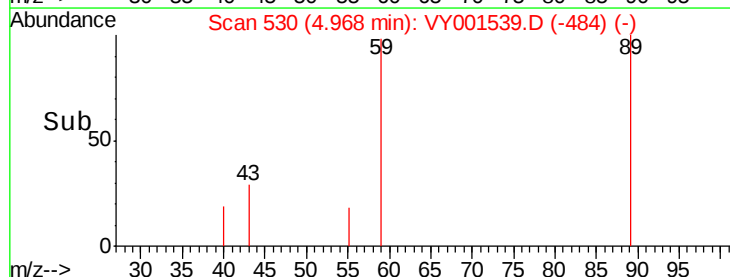
Ion Ratio Lower Upper

59 100

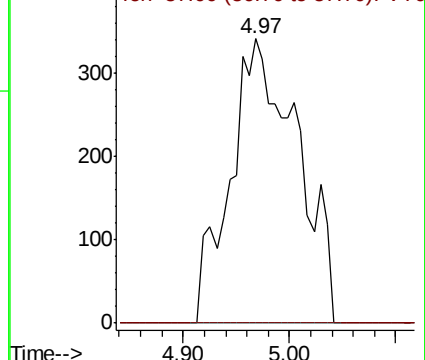
57 0.0 7.0 10.6#

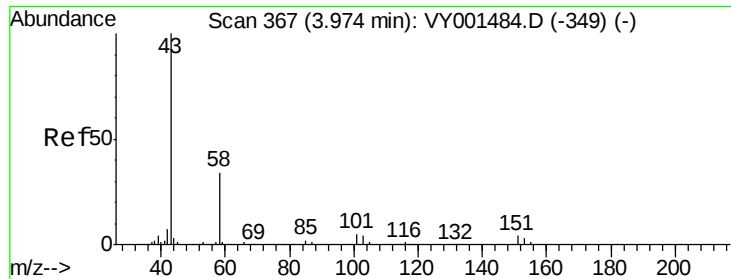


Abundance Ion 59.00 (58.70 to 59.70): VY001539.D (-484) (-)



Ion 57.00 (56.70 to 57.70): VY001539.D (-484) (-)





#16

Acetone

Concen: 9.813 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001539.D

Acq: 06 Feb 2020 18:25

Instrument :

MSVOA_Y

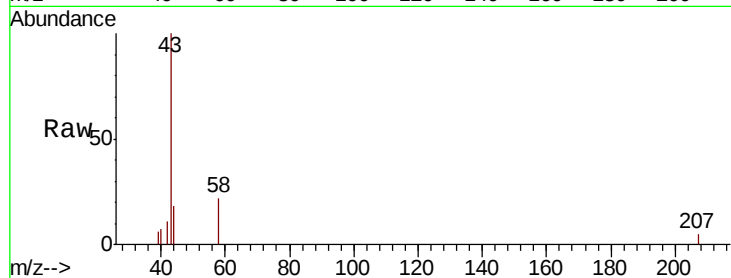
ClientSampleId :

Tot Ion: 43 Resp: 4559

Ion Ratio Lower Upper

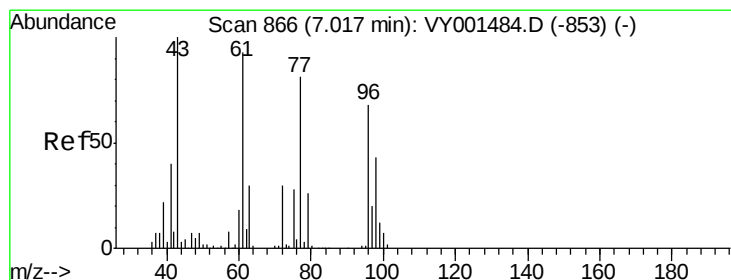
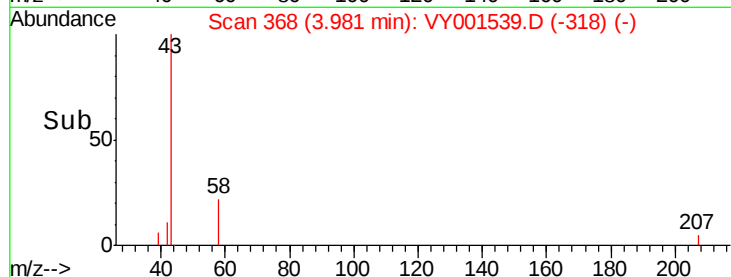
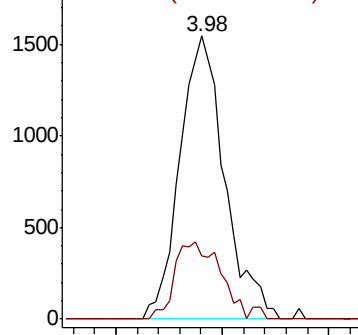
43 100

58 22.1 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 4.008 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001539.D

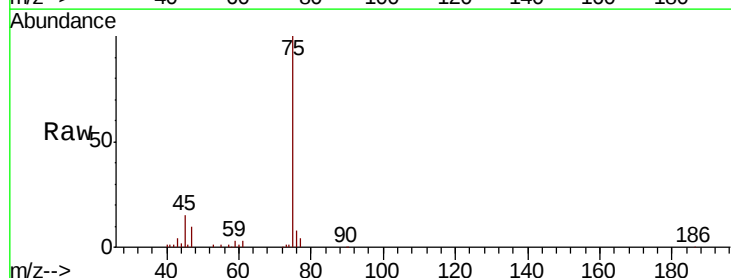
Acq: 06 Feb 2020 18:25

Tgt Ion: 43 Resp: 2416

Ion Ratio Lower Upper

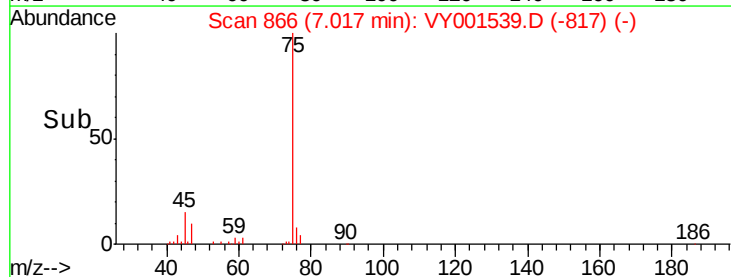
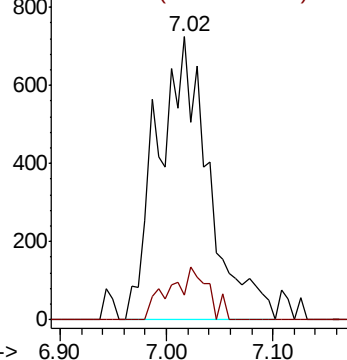
43 100

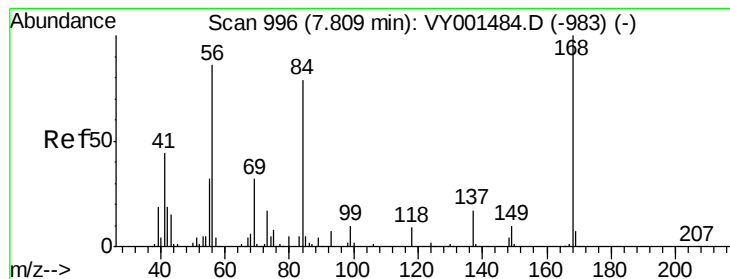
72 8.8 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.088 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001539.D

Acq: 06 Feb 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

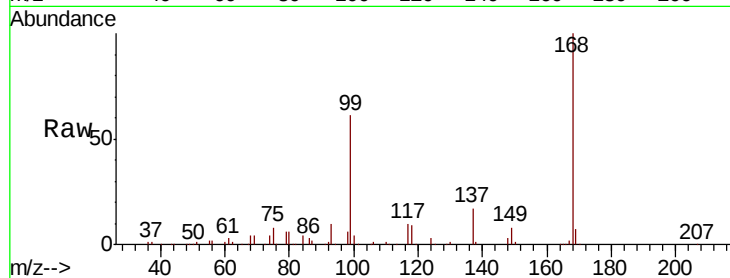
Tot Ion: 56 Resp: 3402

Ion Ratio Lower Upper

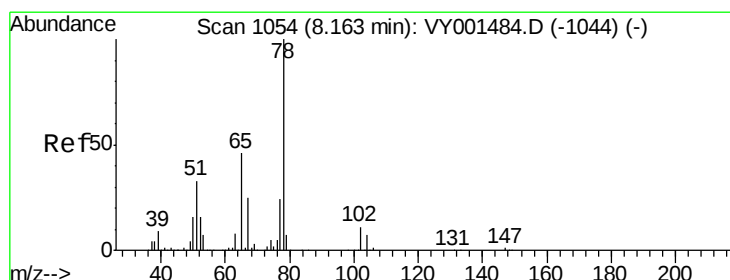
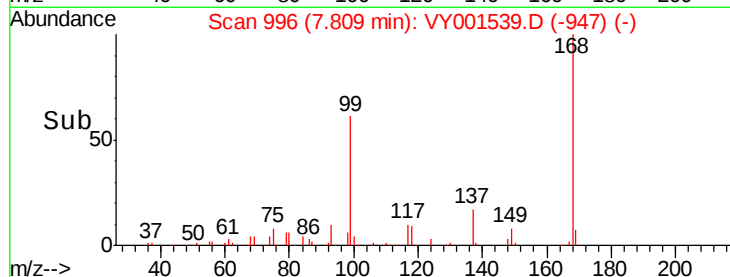
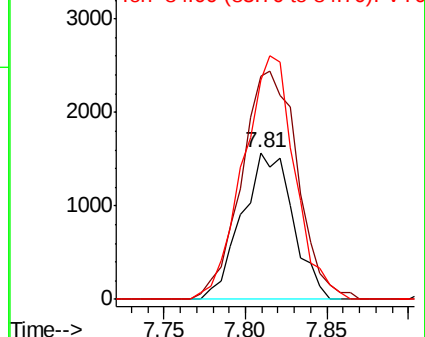
56 100

69 152.6 29.6 44.4#

84 150.0 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: 60.024 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001539.D

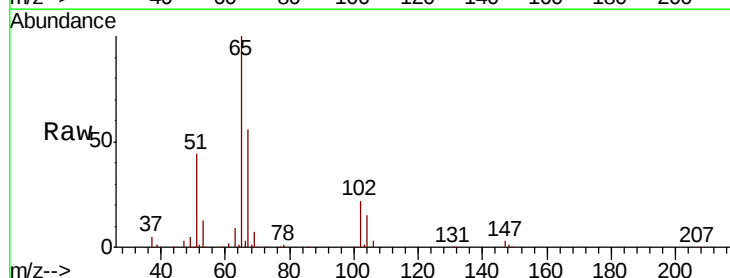
Acq: 06 Feb 2020 18:25

Tgt Ion: 65 Resp: 96409

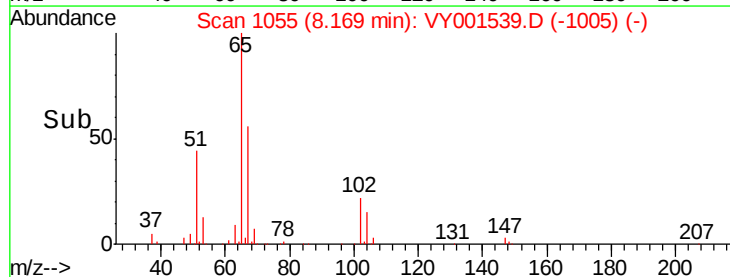
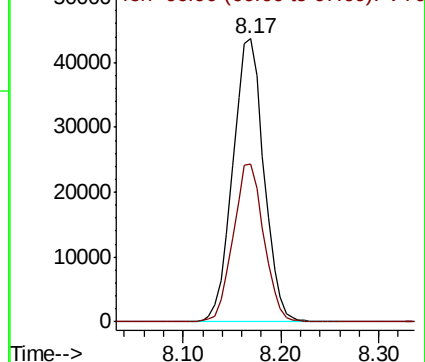
Ion Ratio Lower Upper

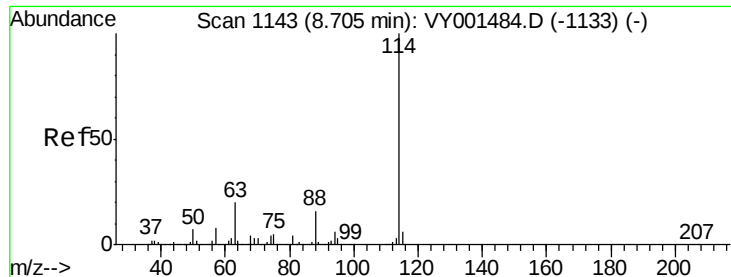
65 100

67 55.0 0.0 108.6



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

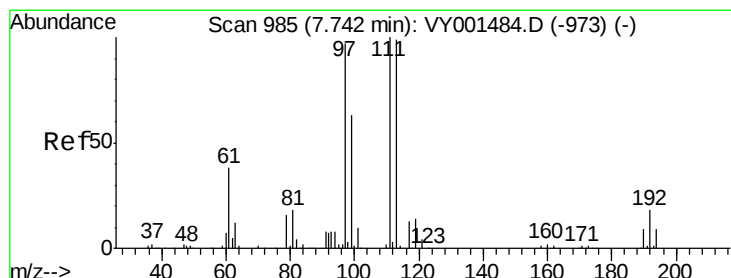
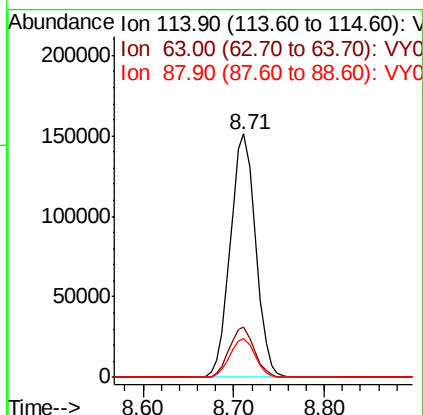
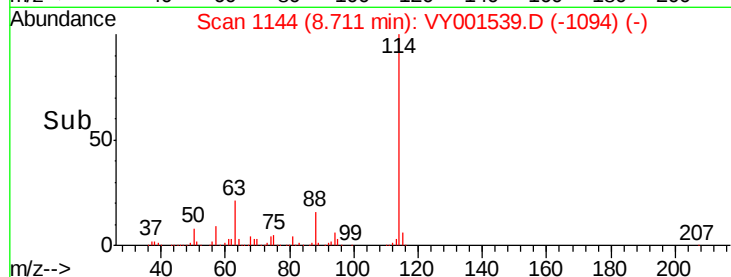
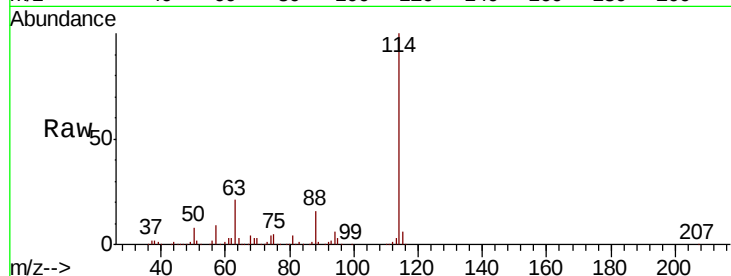




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VY001539.D
Acq: 06 Feb 2020 18:25

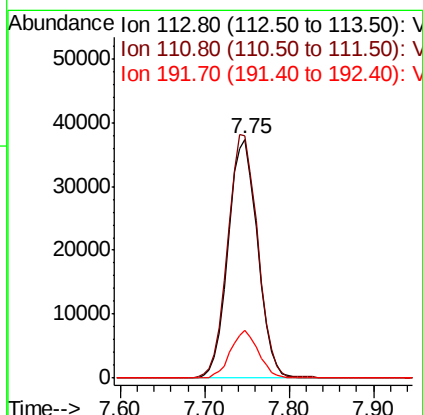
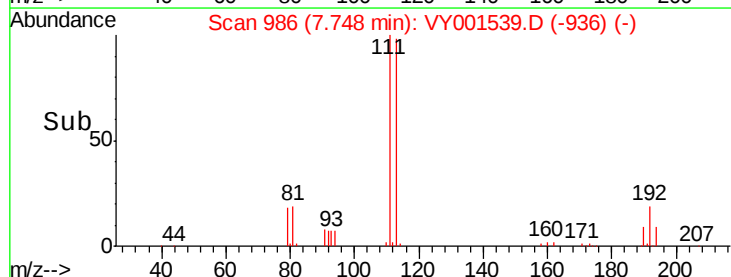
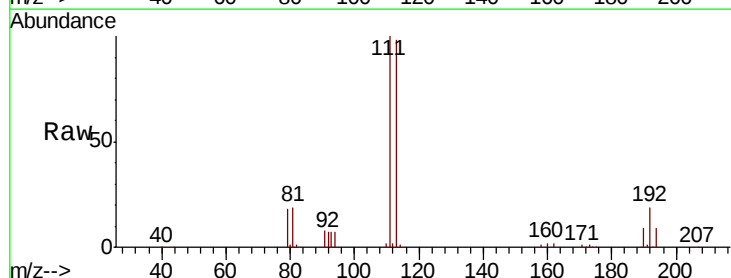
Instrument :
MSVOA_Y
ClientSampleId :

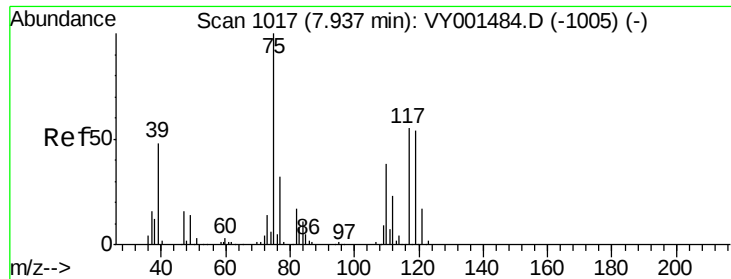
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.8
88	16.0	0.0	32.6



#35
Dibromofluoromethane
Concen: 52.270 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY001539.D
Acq: 06 Feb 2020 18:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.9	124.3
192	18.9	14.6	22.0

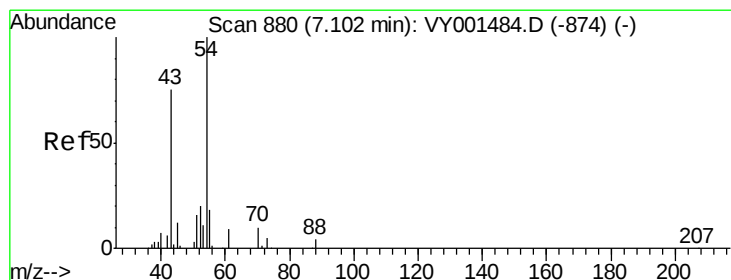
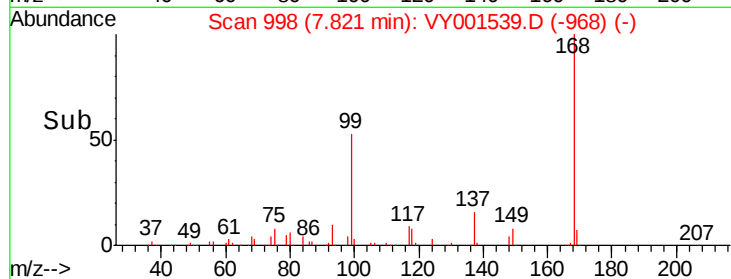
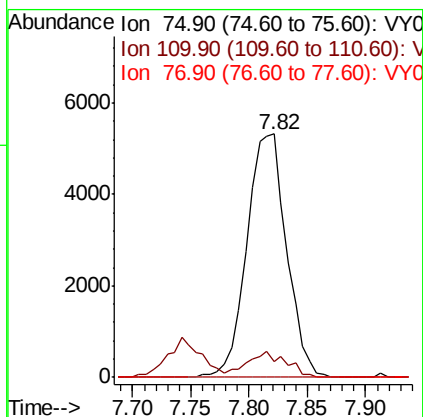
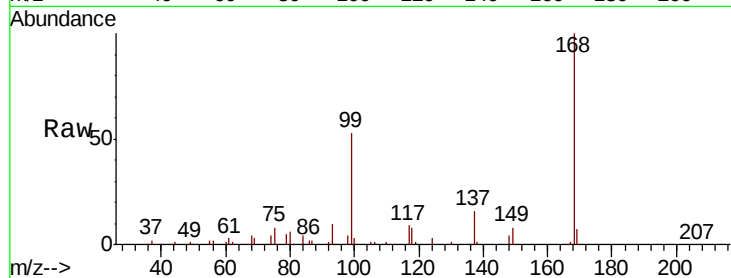




#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001539.D
 Acq: 06 Feb 2020 18:25

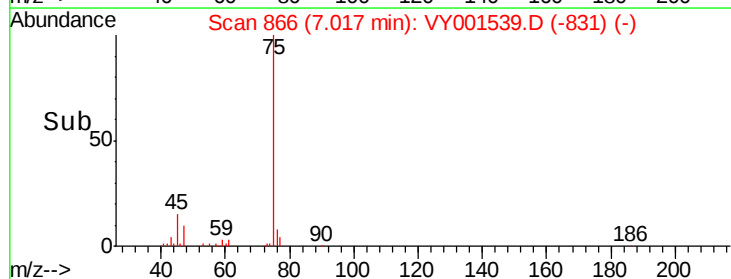
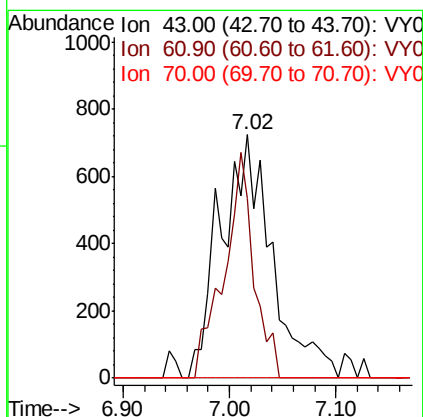
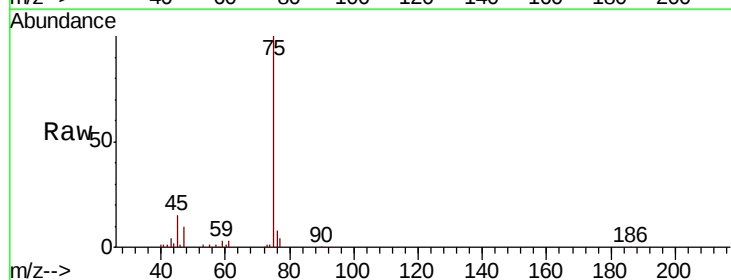
Instrument :
 MSVOA_Y
 ClientSampleId :

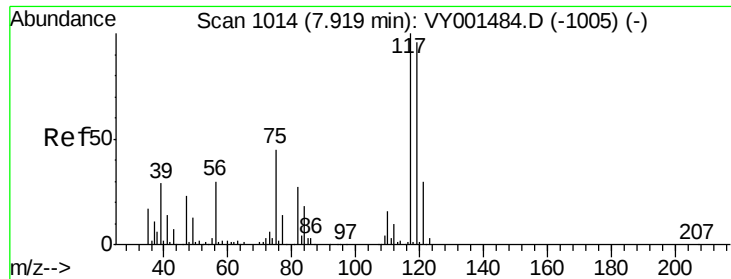
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.2	54.6#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 1.863 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.09 min
 Lab File: VY001539.D
 Acq: 06 Feb 2020 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	54.2	12.0	18.0#
70	0.0	10.2	15.4#





#38

Carbon Tetrachloride

Concen: 6.135 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY001539.D

Acq: 06 Feb 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

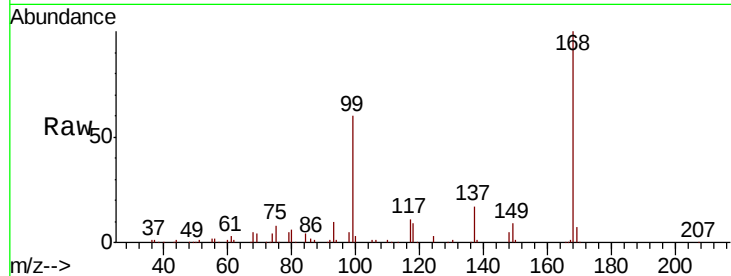
Tot Ion:117 Resp: 15903

Ion Ratio Lower Upper

117 100

119 4.2 76.4 114.6#

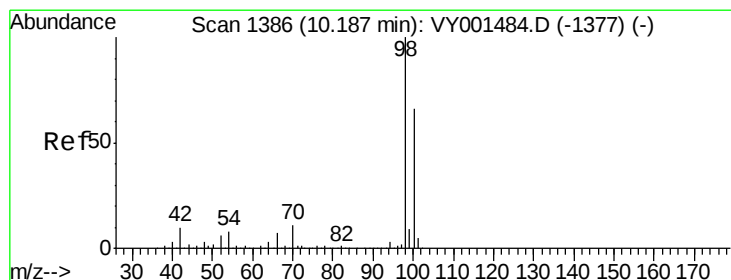
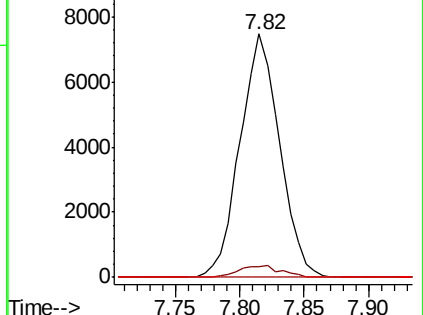
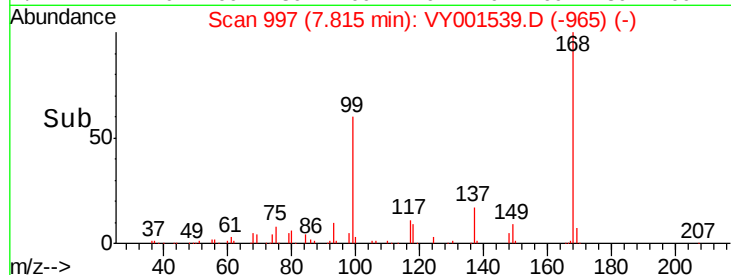
121 0.0 24.2 36.4#



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: 54.646 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001539.D

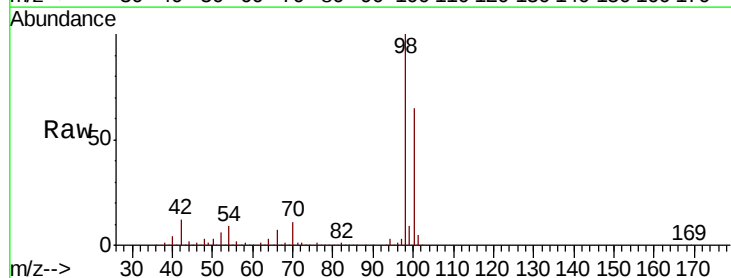
Acq: 06 Feb 2020 18:25

Tgt Ion: 98 Resp: 349196

Ion Ratio Lower Upper

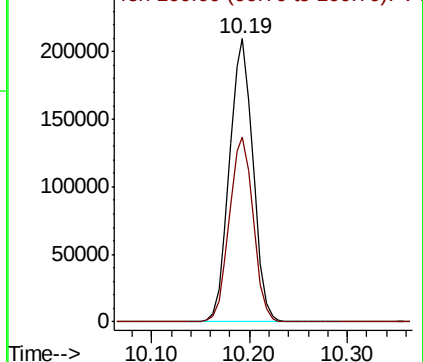
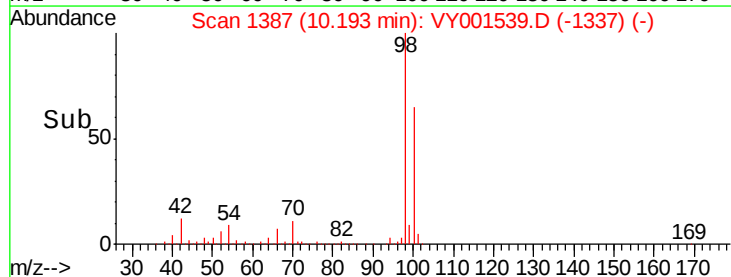
98 100

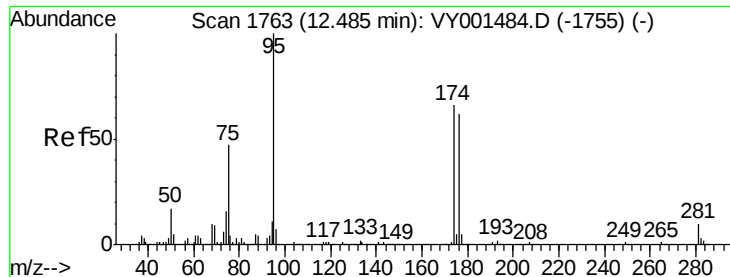
100 66.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

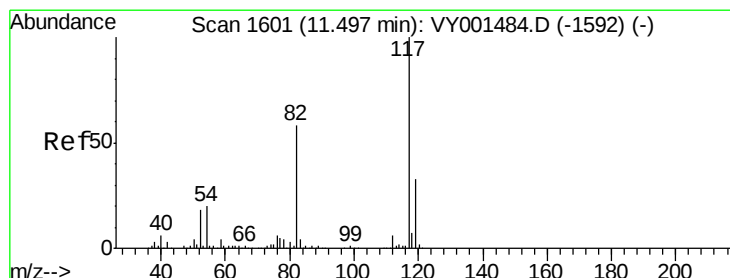
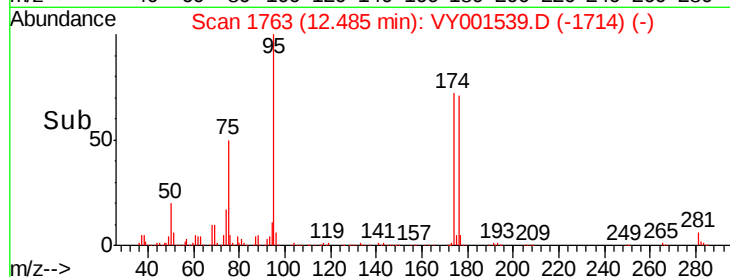
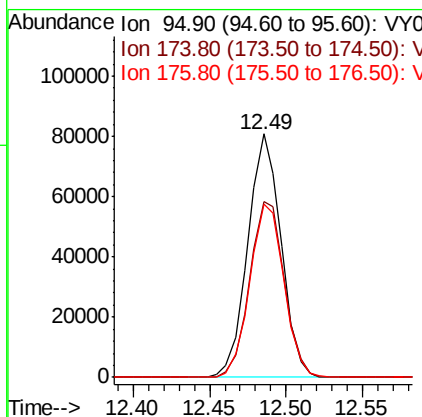
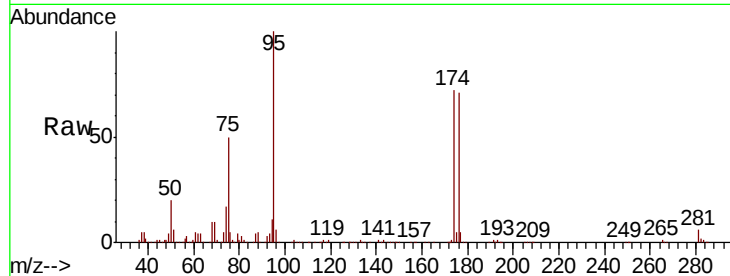




#62
4-Bromofluorobenzene
Concen: 48.465 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001539.D
Acq: 06 Feb 2020 18:25

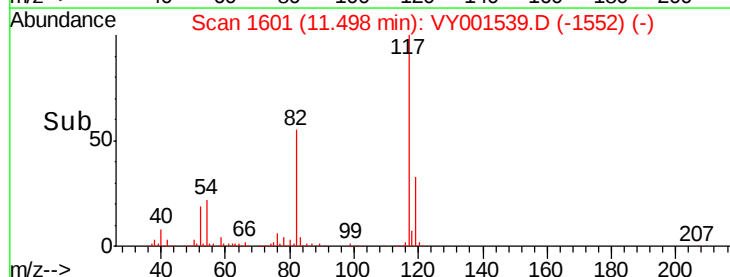
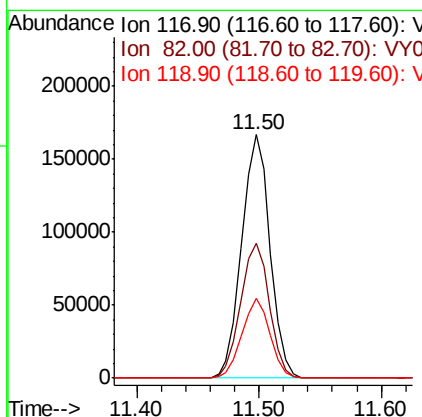
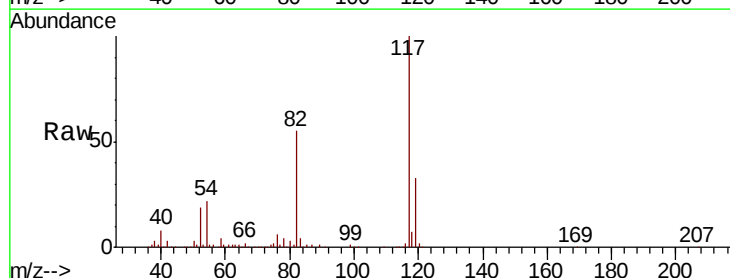
Instrument :
MSVOA_Y
ClientSampled :

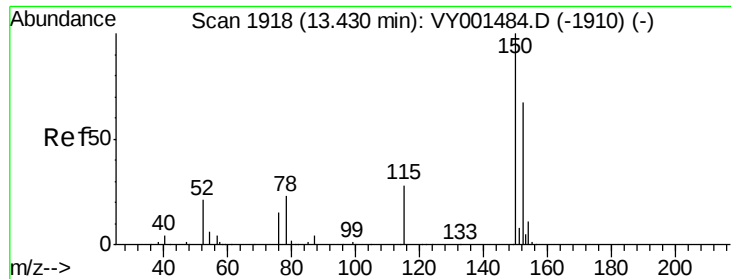
Tot Ion	95	Resp	122005
Ion Ratio	Lower	Upper	
95	100		
174	75.2	0.0	141.4
176	73.1	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001539.D
Acq: 06 Feb 2020 18:25

Tgt Ion	117	Resp	267469
Ion Ratio	Lower	Upper	
117	100		
82	55.5	46.1	69.1
119	32.6	26.1	39.1



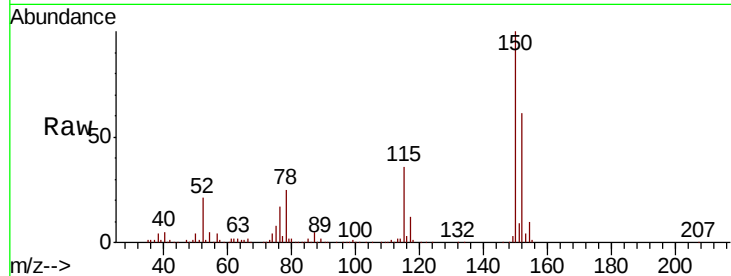


#72

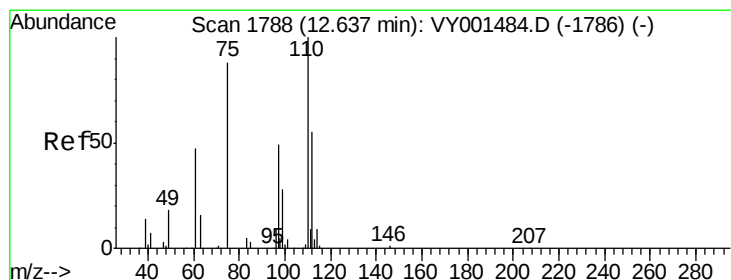
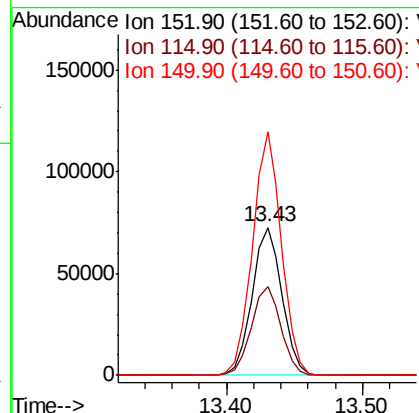
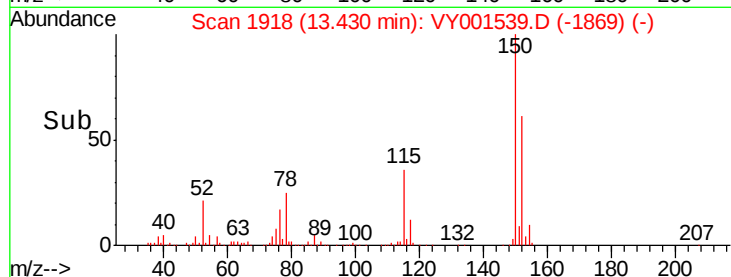
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001539.D
Acq: 06 Feb 2020 18:25

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 111483
Ion Ratio Lower Upper
152 100
115 59.6 31.4 94.3
150 159.3 0.0 346.8



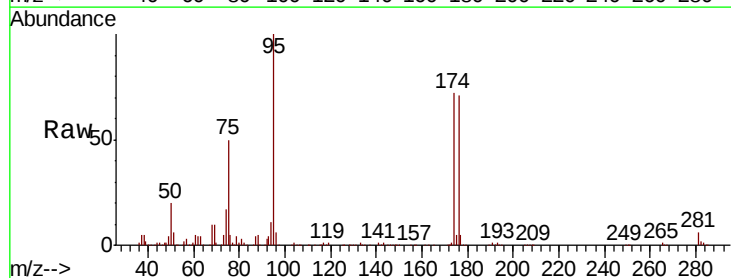
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



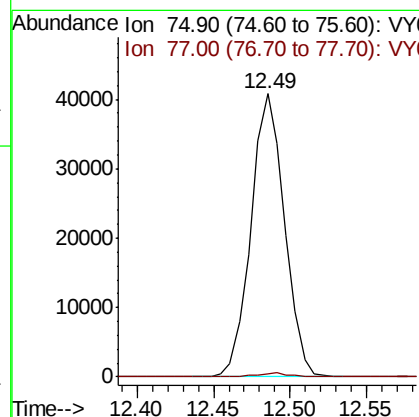
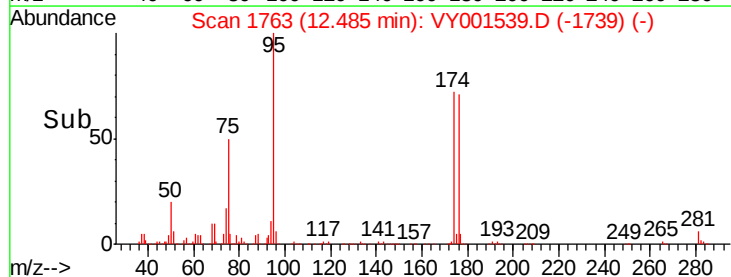
#76

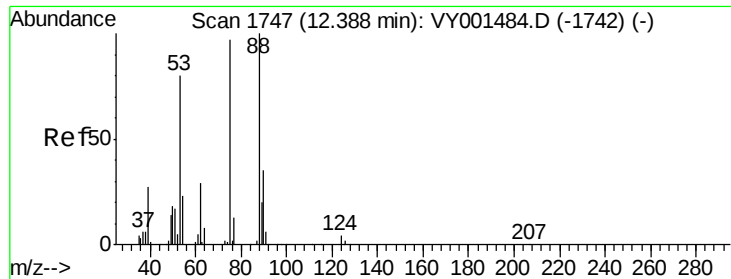
1,2,3-Trichloropropane
Concen: 51.758 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY001539.D
Acq: 06 Feb 2020 18:25

Tgt Ion: 75 Resp: 62052
Ion Ratio Lower Upper
75 100
77 1.3 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: 100.149 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001539.D

Acq: 06 Feb 2020 18:25

Instrument :

MSVOA_Y

ClientSampleId :

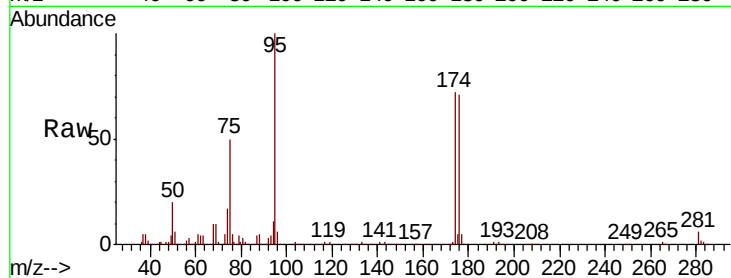
Tot Ion: 75 Resp: 62052

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.4 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

