

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002362.D
 Acq On : 16 Apr 2020 13:25
 Operator : SY/MD
 Sample : L2281-08
 Misc : 5.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:05:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	153710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	301141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	275956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	111844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	80087	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	7.73	113	86331	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	10.18	98	363450	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.49	95	116517	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

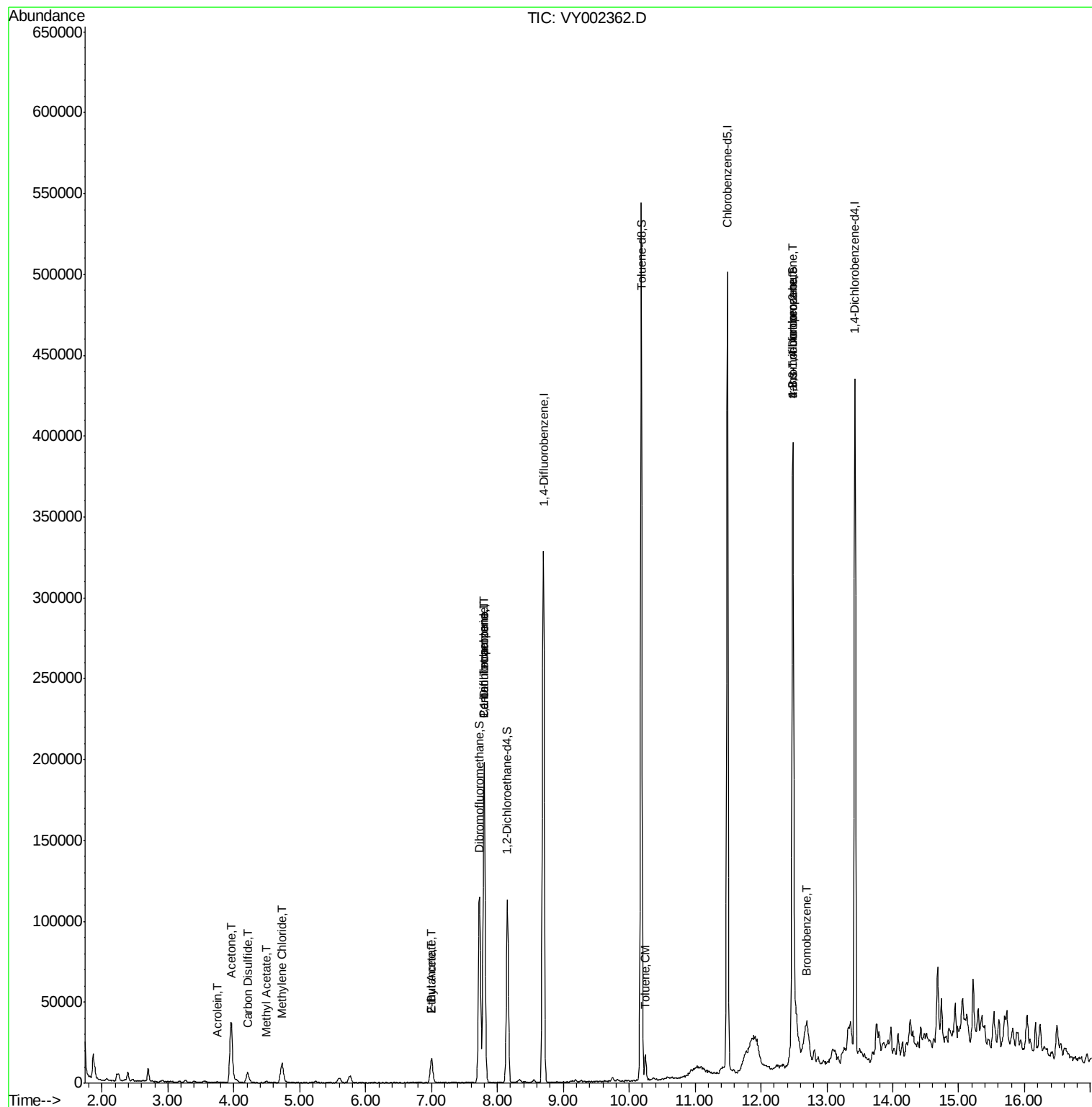
						Qvalue
13) Acrolein	3.75	56	729	3.308	ug/l #	75
16) Acetone	3.96	43	63977	142.103	ug/l	92
17) Carbon Disulfide	4.21	76	9871	1.601	ug/l #	95
18) Methyl Acetate	4.50	43	1811	1.297	ug/l	95
20) Methylene Chloride	4.73	84	10106	4.567	ug/l	89
25) 2-Butanone	7.00	43	22120	31.046	ug/l #	85
36) 1,1-Dichloropropene	7.80	75	12046	4.061	ug/l #	49
37) Ethyl Acetate	7.00	43	22120	13.054	ug/l #	67
38) Carbon Tetrachloride	7.80	117	15011	5.916	ug/l #	16
52) Toluene	10.25	92	6579	1.213	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	57734	44.453	ug/l #	100
77) Bromobenzene	12.69	156	28811	14.904	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	57734	86.461	ug/l #	20

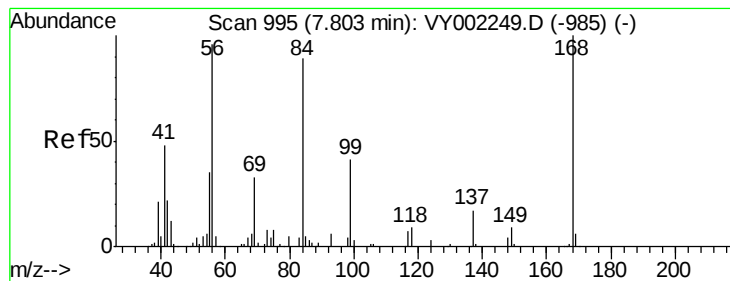
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002362.D

Acq: 16 Apr 2020 13:25

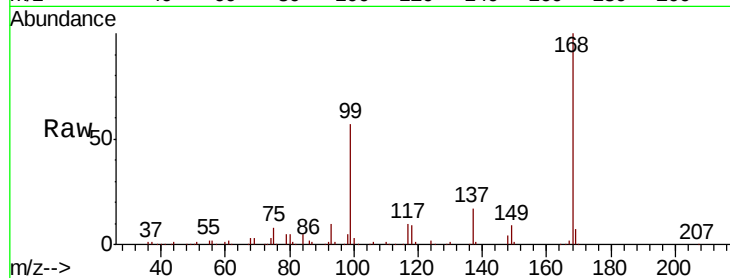
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 153710

Ion Ratio Lower Upper

168 100

99 57.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

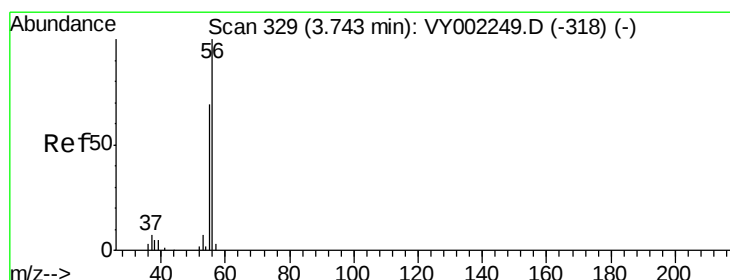
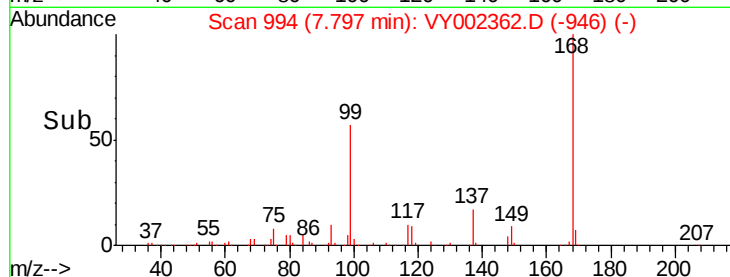
40000

20000

0

7.70 7.80 7.90

Time-->



#13

Acrolein

Concen: 3.308 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002362.D

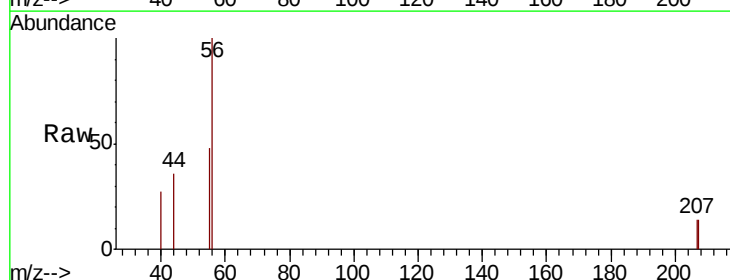
Acq: 16 Apr 2020 13:25

Tgt Ion: 56 Resp: 729

Ion Ratio Lower Upper

56 100

55 49.7 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VY002249.D (-318) (-)

Ion 55.00 (54.70 to 55.70): VY002249.D (-318) (-)

3.75

400

300

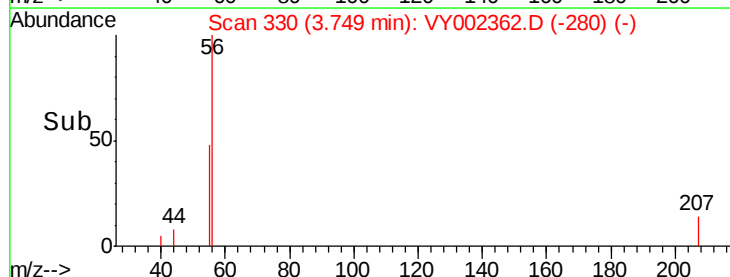
200

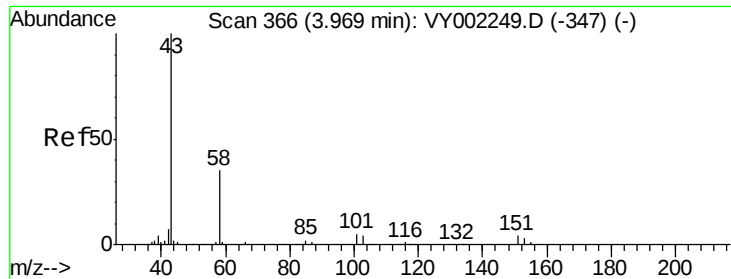
100

0

3.70 3.75 3.80

Time-->





#16

Acetone

Concen: 142.103 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002362.D

Acq: 16 Apr 2020 13:25

Instrument :

MSVOA_Y

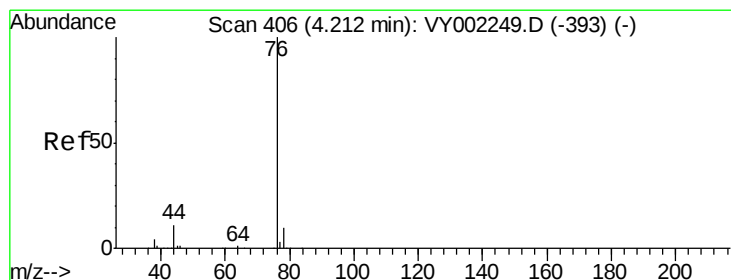
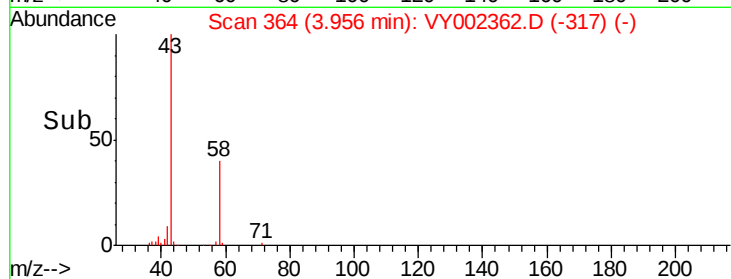
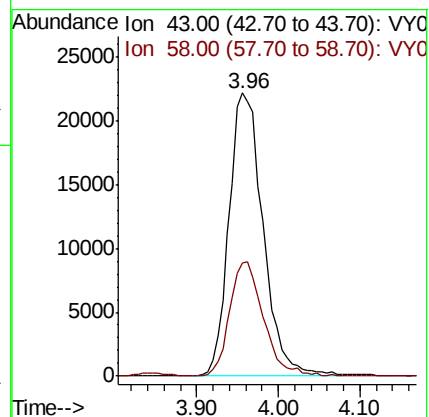
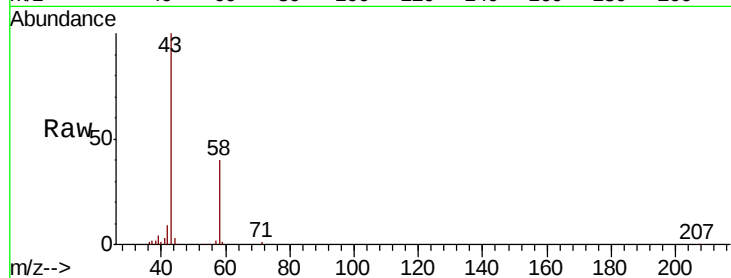
ClientSampleId :

Tot Ion: 43 Resp: 63977

Ion Ratio Lower Upper

43 100

58 40.0 28.5 42.7



#17

Carbon Disulfide

Concen: 1.601 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002362.D

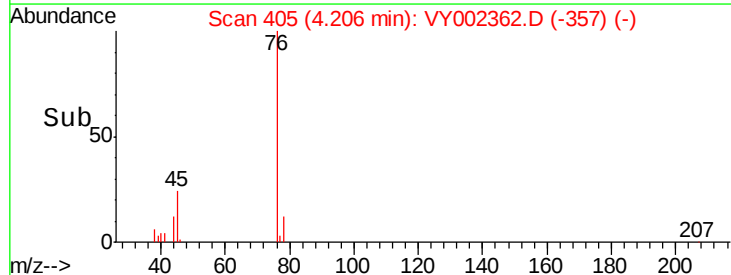
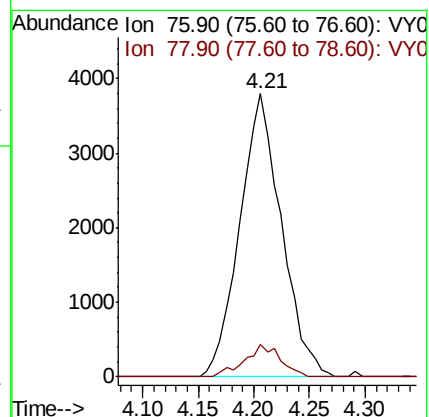
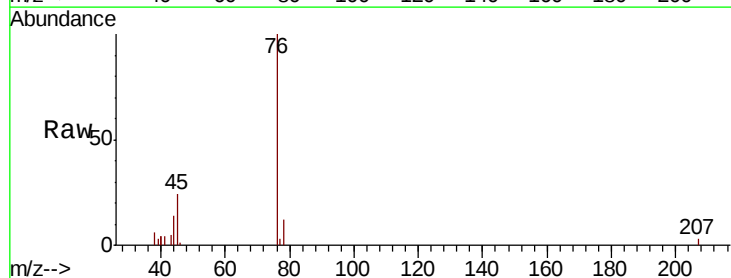
Acq: 16 Apr 2020 13:25

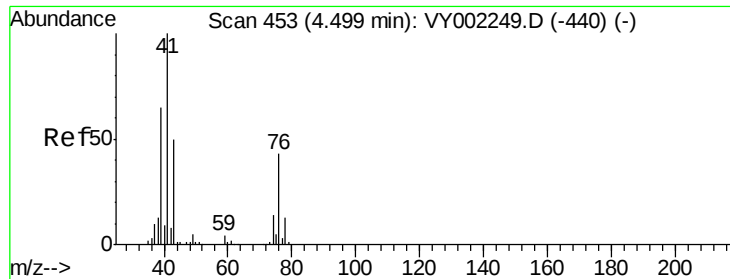
Tgt Ion: 76 Resp: 9871

Ion Ratio Lower Upper

76 100

78 11.6 7.7 11.5#

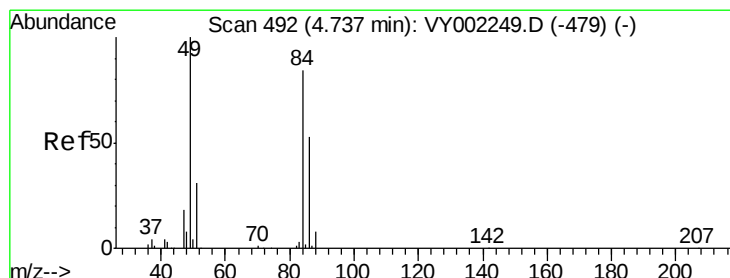
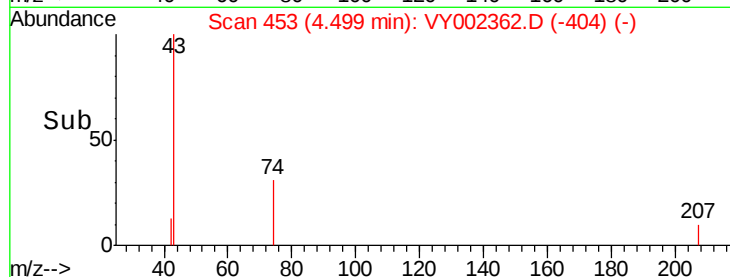
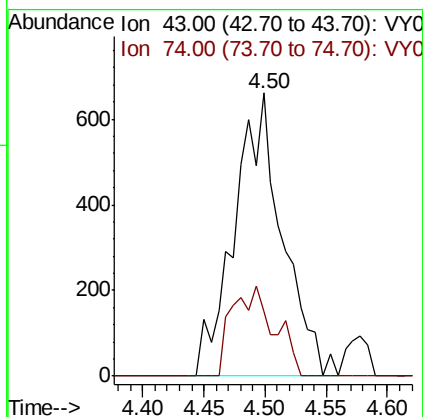
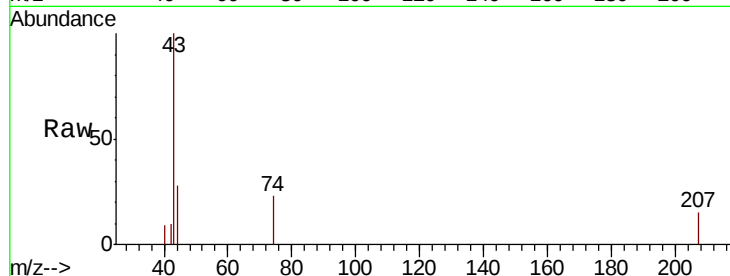




#18
Methvl Acetate
Concen: 1.297 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.00 min
Lab File: VY002362.D
Acq: 16 Apr 2020 13:25

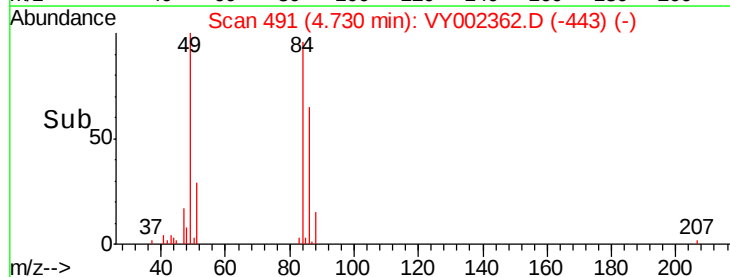
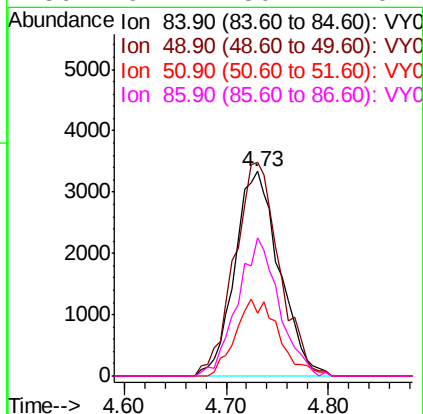
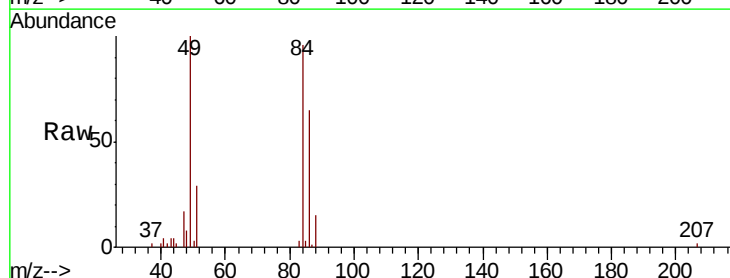
Instrument :
MSVOA_Y
ClientSampleId :

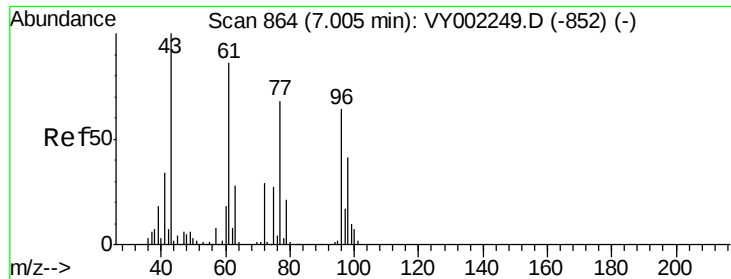
Tot Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
74 27.9 20.3 30.5



#20
Methylene Chloride
Concen: 4.567 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002362.D
Acq: 16 Apr 2020 13:25

Tgt Ion: 84 Resp: 10106
Ion Ratio Lower Upper
84 100
49 104.3 95.5 143.3
51 30.6 29.5 44.3
86 67.4 50.7 76.1





#25

2-Butanone

Concen: 31.046 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002362.D

Acq: 16 Apr 2020 13:25

Instrument :

MSVOA_Y

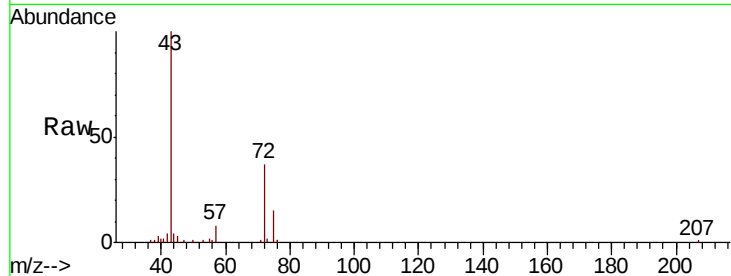
ClientSampleId :

Tot Ion: 43 Resp: 22120

Ion Ratio Lower Upper

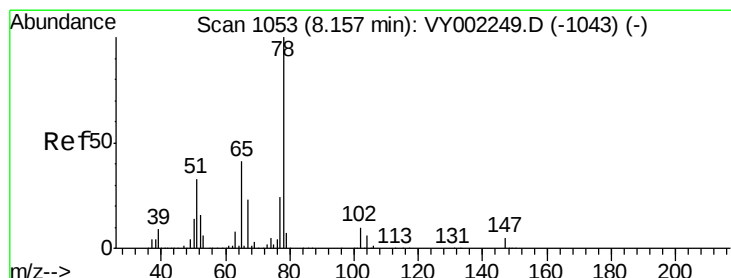
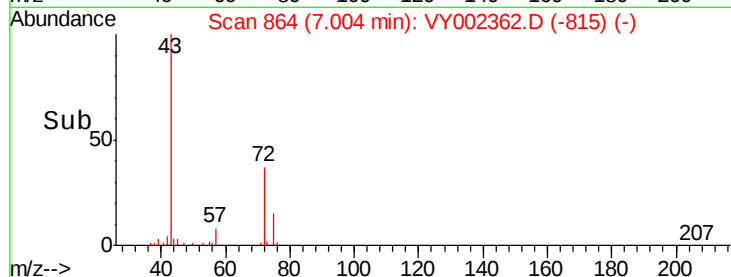
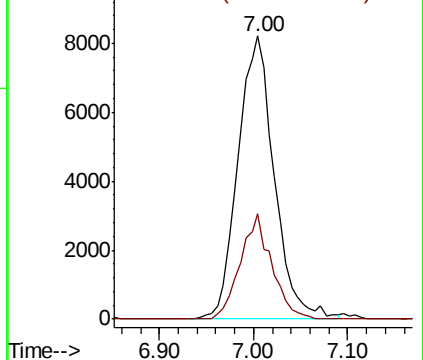
43 100

72 37.1 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 46.852 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002362.D

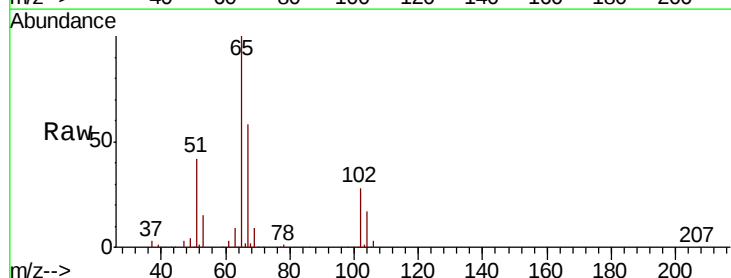
Acq: 16 Apr 2020 13:25

Tgt Ion: 65 Resp: 80087

Ion Ratio Lower Upper

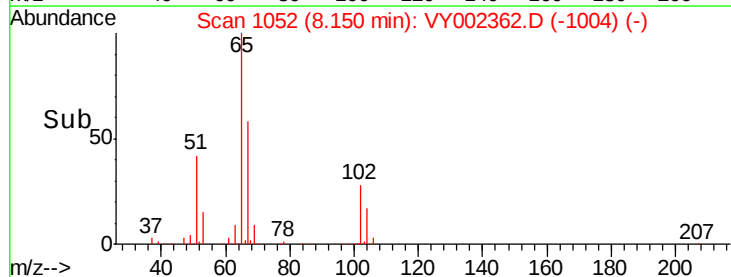
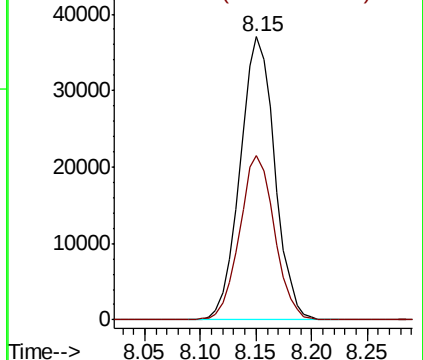
65 100

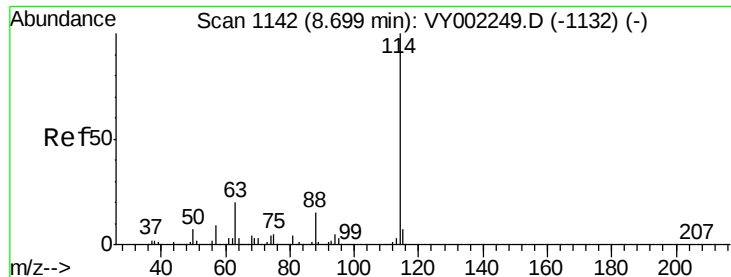
67 58.6 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

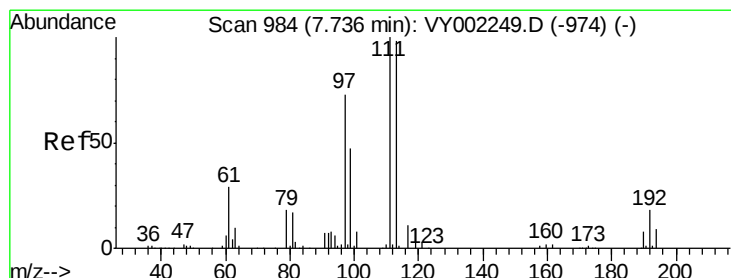
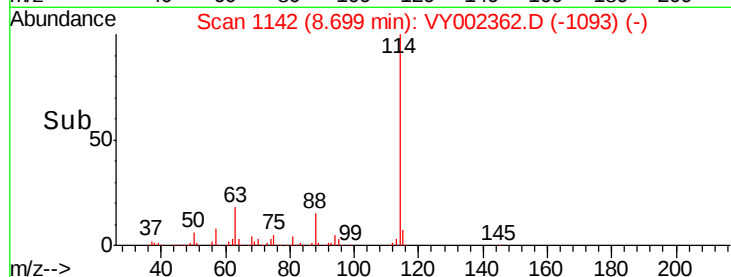
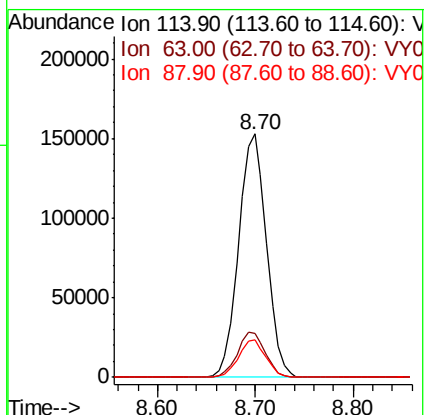
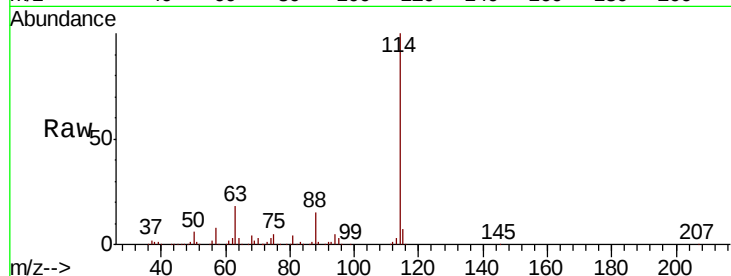




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY002362.D
 Acq: 16 Apr 2020 13:25

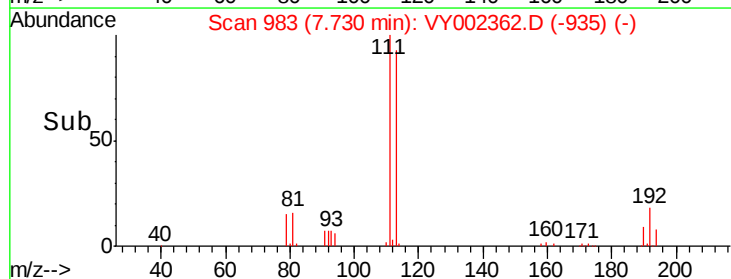
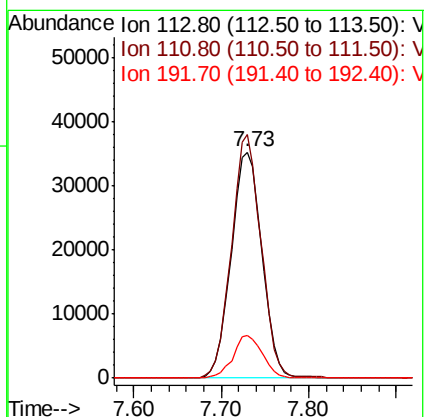
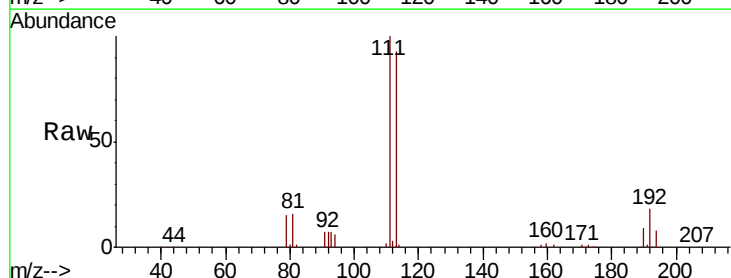
Instrument :
 MSVOA_Y
 ClientSampleId :

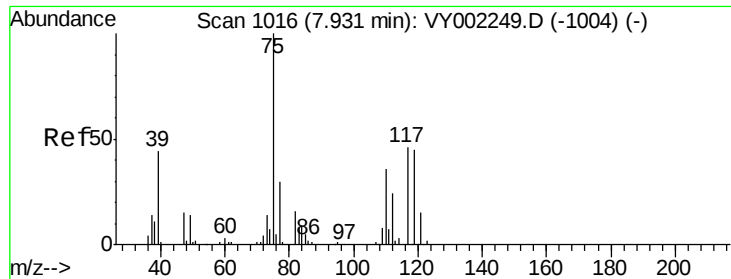
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	39.0
88	15.4	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 48.179 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002362.D
 Acq: 16 Apr 2020 13:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.5	125.3
192	18.0	14.7	22.1

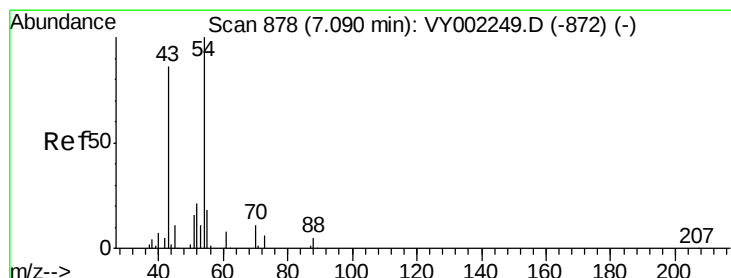
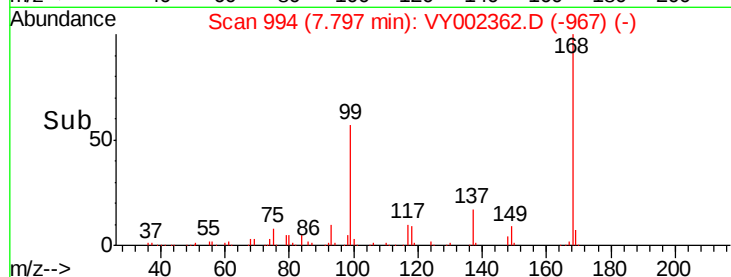
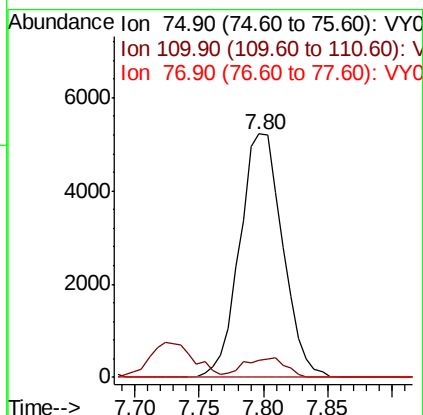
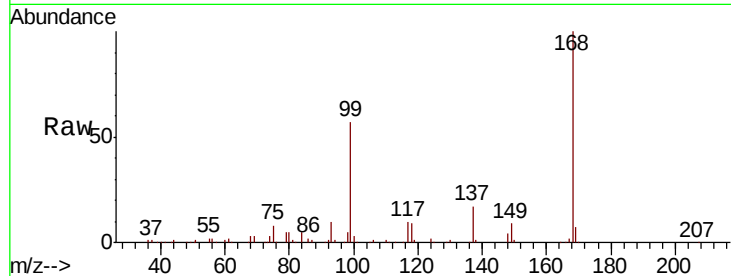




#36
 1,1-Dichloropropene
 Concen: 4.061 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002362.D
 Acq: 16 Apr 2020 13:25

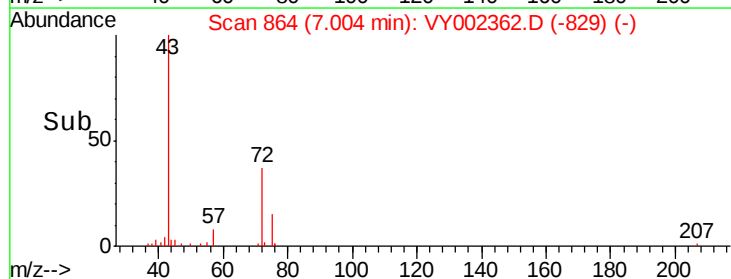
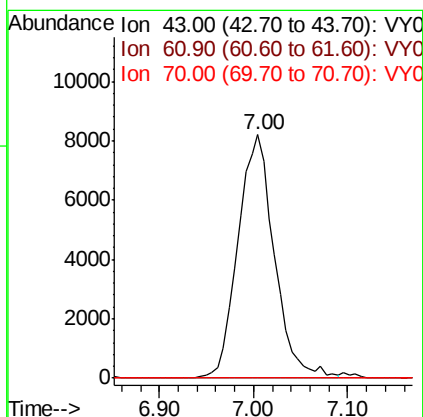
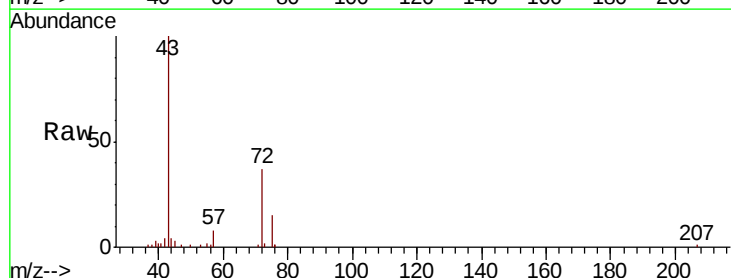
Instrument :
 MSVOA_Y
 ClientSampleID :

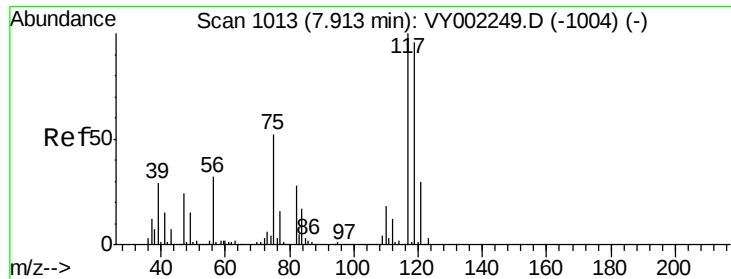
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 13.054 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.09 min
 Lab File: VY002362.D
 Acq: 16 Apr 2020 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.1	13.7#

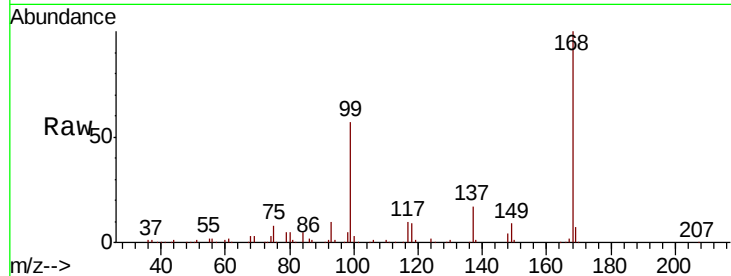




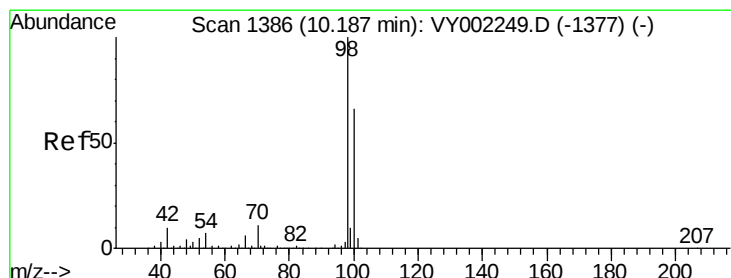
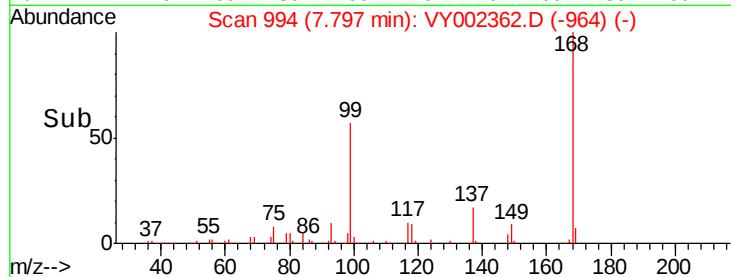
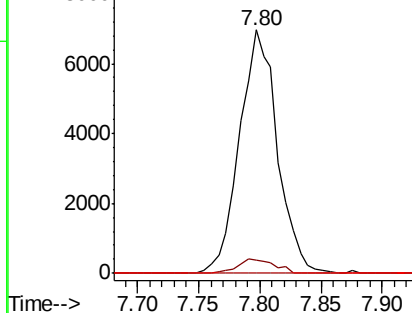
#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002362.D
Acq: 16 Apr 2020 13:25

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 15011
Ion Ratio Lower Upper
117 100
119 5.3 77.1 115.7#
121 0.0 23.9 35.9#

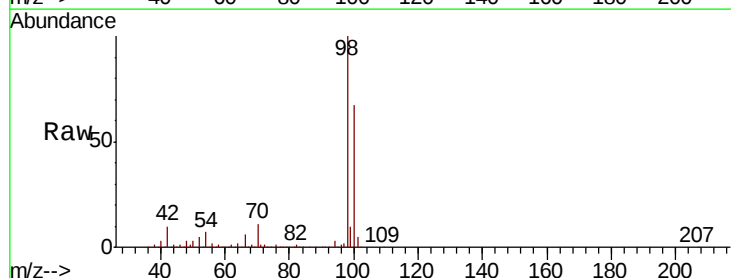


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

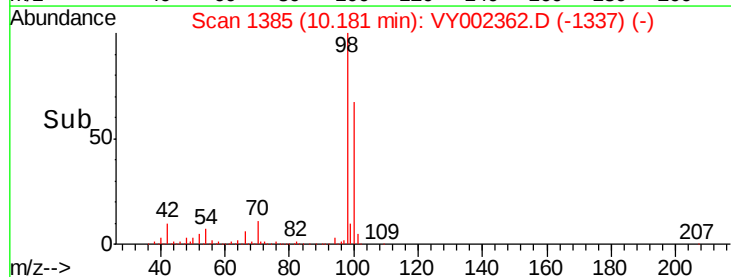
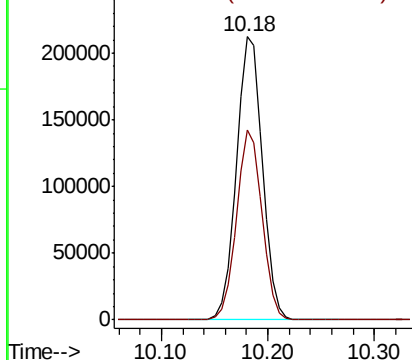


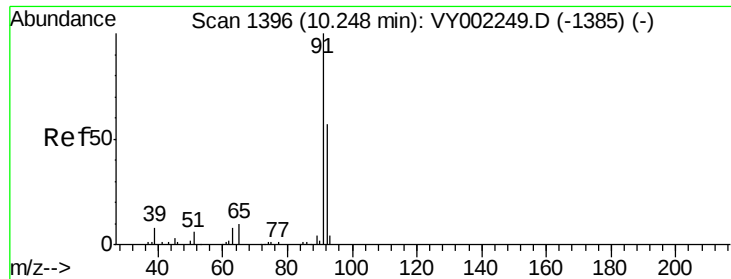
#50
Toluene-d8
Concen: 48.459 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002362.D
Acq: 16 Apr 2020 13:25

Tgt Ion: 98 Resp: 363450
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.213 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY002362.D

Acq: 16 Apr 2020 13:25

Instrument :

MSVOA_Y

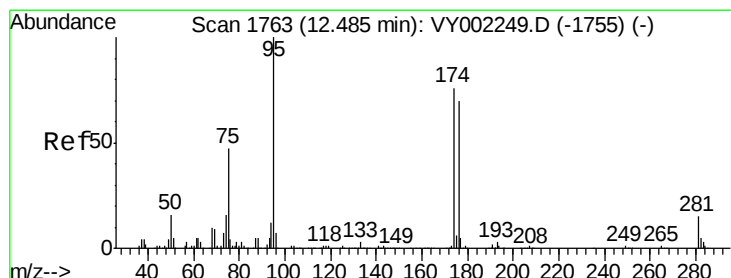
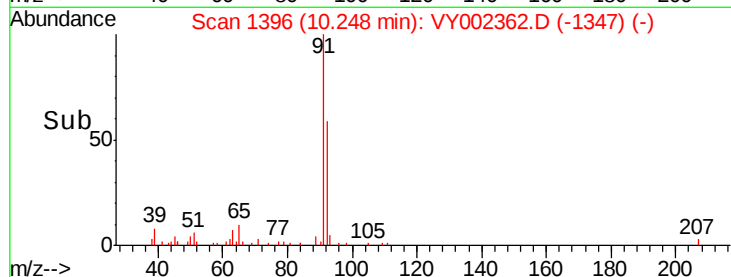
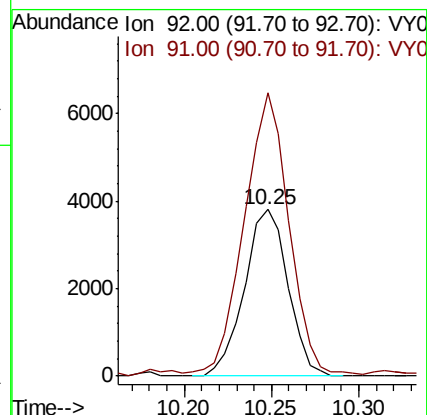
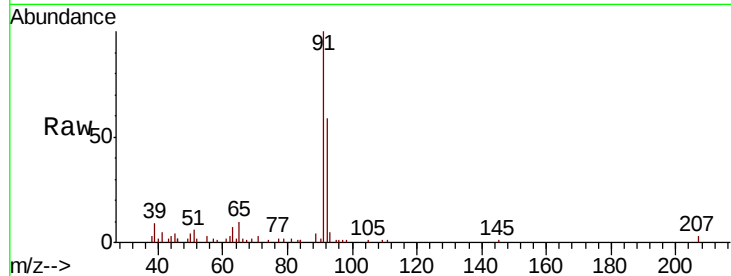
ClientSampleId :

Tot Ion: 92 Resp: 6579

Ion Ratio Lower Upper

92 100

91 176.0 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 47.089 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002362.D

Acq: 16 Apr 2020 13:25

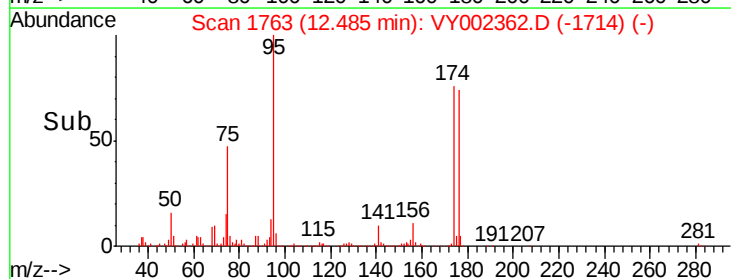
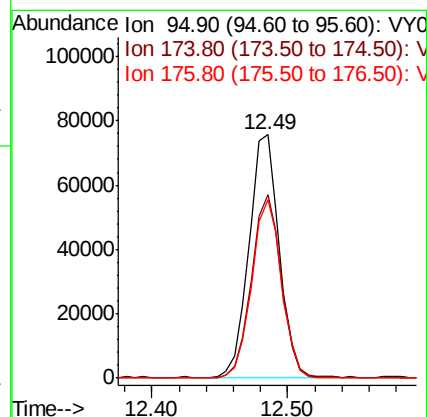
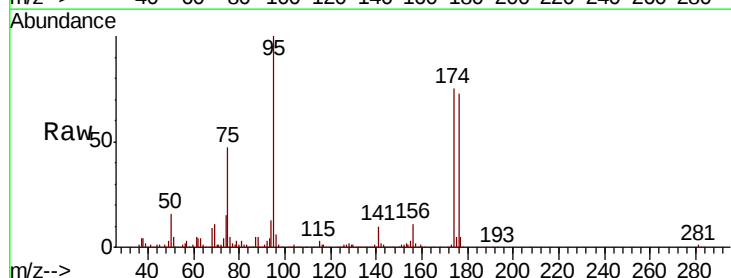
Tgt Ion: 95 Resp: 116517

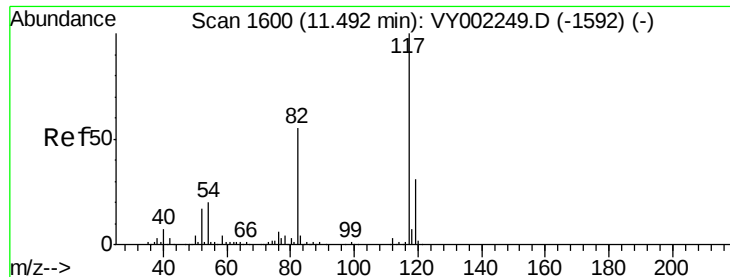
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

176 72.7 0.0 141.4

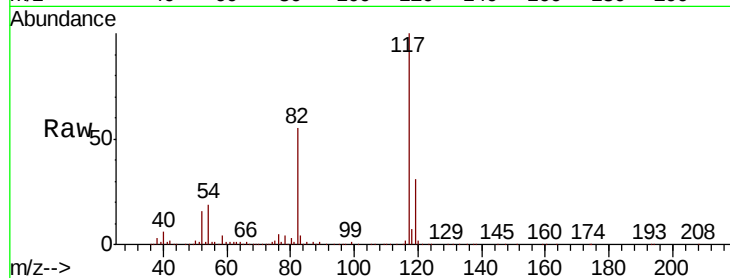




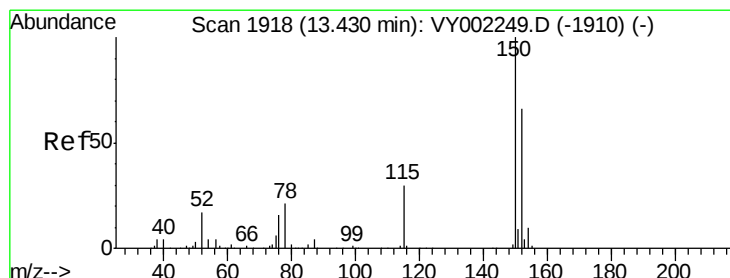
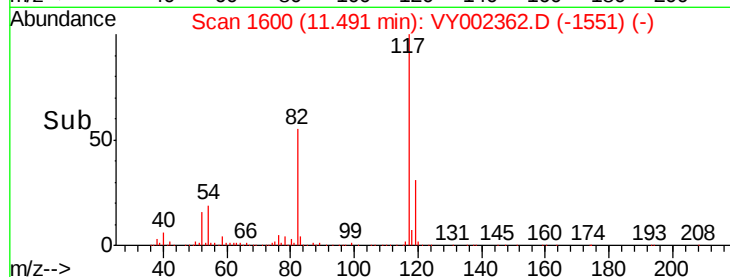
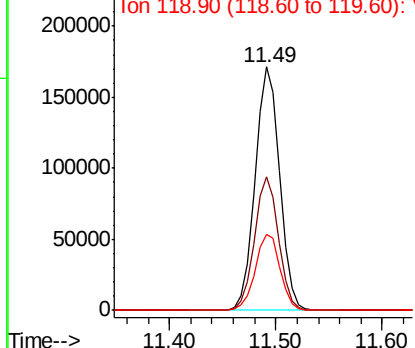
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002362.D
Acq: 16 Apr 2020 13:25

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 275956
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.4
119 31.1 25.1 37.7

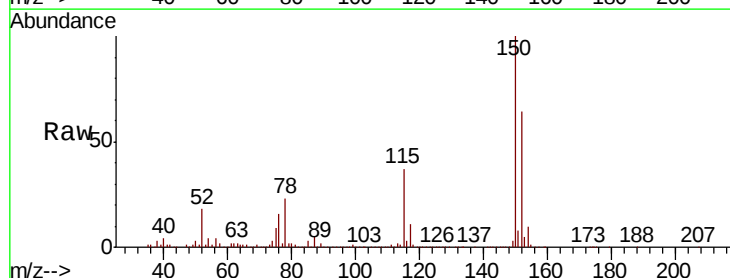


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

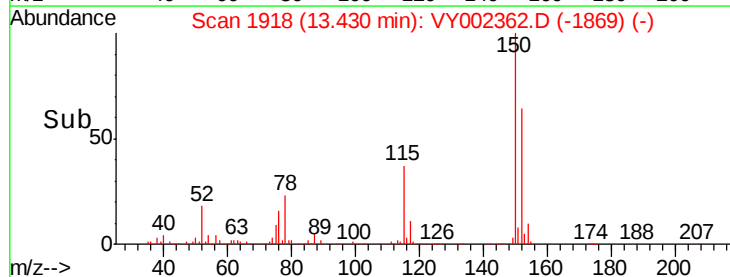
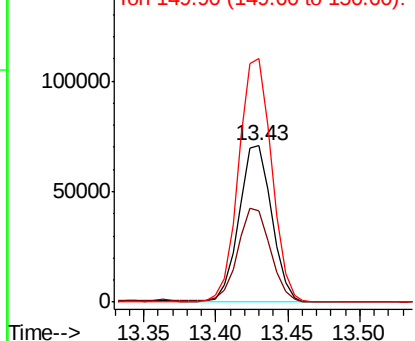


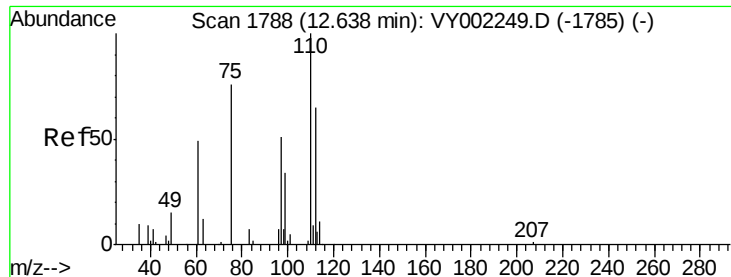
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002362.D
Acq: 16 Apr 2020 13:25

Tgt Ion:152 Resp: 111844
Ion Ratio Lower Upper
152 100
115 59.8 30.7 92.1
150 156.3 0.0 350.6



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

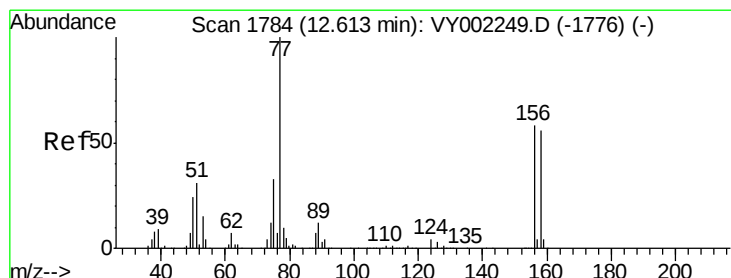
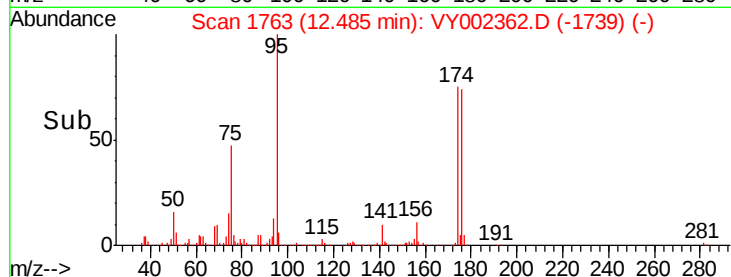
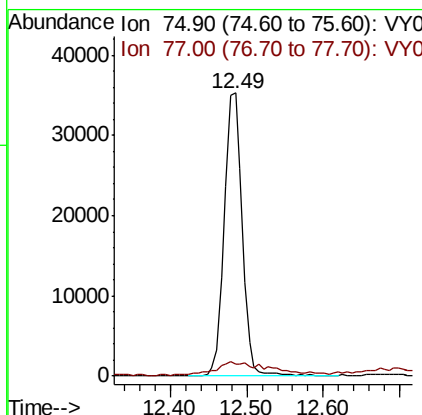
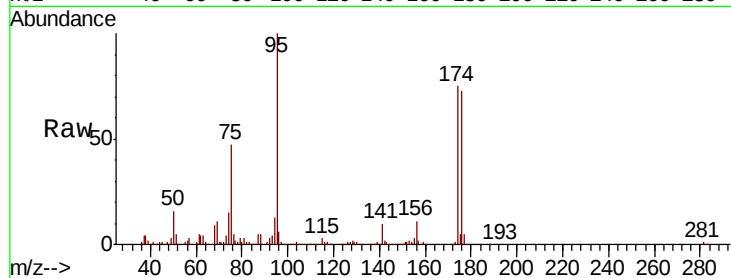




#76
 1,2,3-Trichloropropane
 Concen: 44.453 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002362.D
 Acq: 16 Apr 2020 13:25

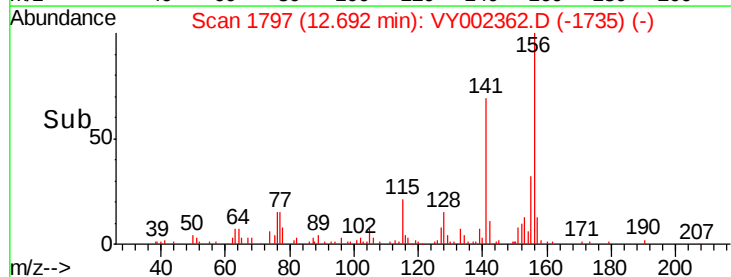
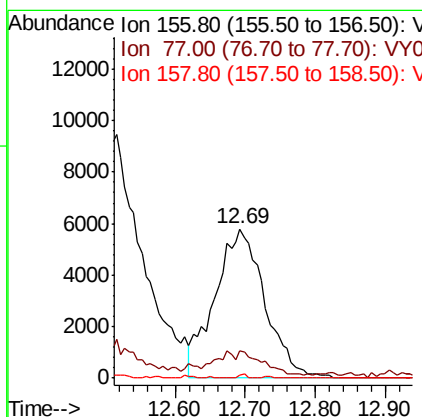
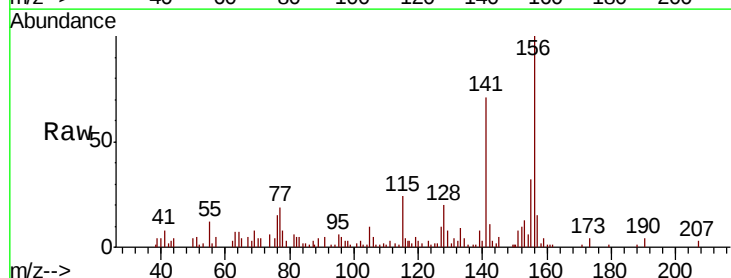
Instrument :
 MSVOA_Y
 ClientSampleId :

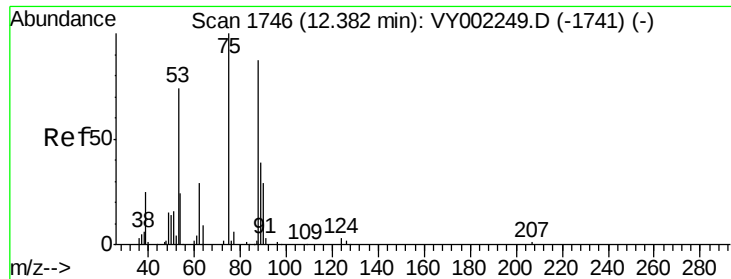
Tot Ion: 75 Resp: 57734
 Ion Ratio Lower Upper
 75 100
 77 8.0 0.0 0.0#



#77
 Bromobenzene
 Concen: 14.904 ug/l
 RT: 12.69 min Scan# 1797
 Delta R.T. 0.08 min
 Lab File: VY002362.D
 Acq: 16 Apr 2020 13:25

Tgt Ion: 156 Resp: 28811
 Ion Ratio Lower Upper
 156 100
 77 0.0 101.3 303.9#
 158 0.4 48.3 144.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 86.461 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002362.D

Acq: 16 Apr 2020 13:25

Instrument :

MSVOA_Y

ClientSampleId :

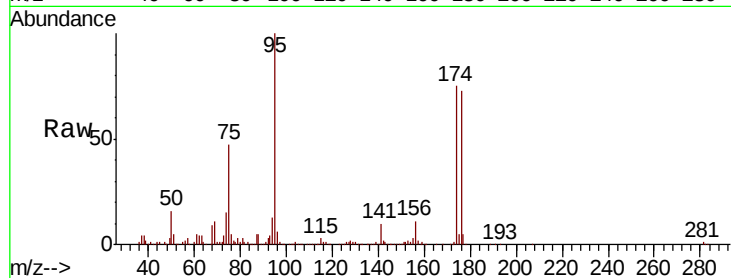
Tot Ion: 75 Resp: 57734

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.9 37.0 55.6#



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

