

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030620\
 Data File : VY001893.D
 Acq On : 06 Mar 2020 11:44
 Operator : SY/MD
 Sample : VY0306SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 22:06:17 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	162537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	259454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	116194	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	89767	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
35) Dibromofluoromethane	7.75	113	83958	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
50) Toluene-d8	10.20	98	352113	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.50	95	118299	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

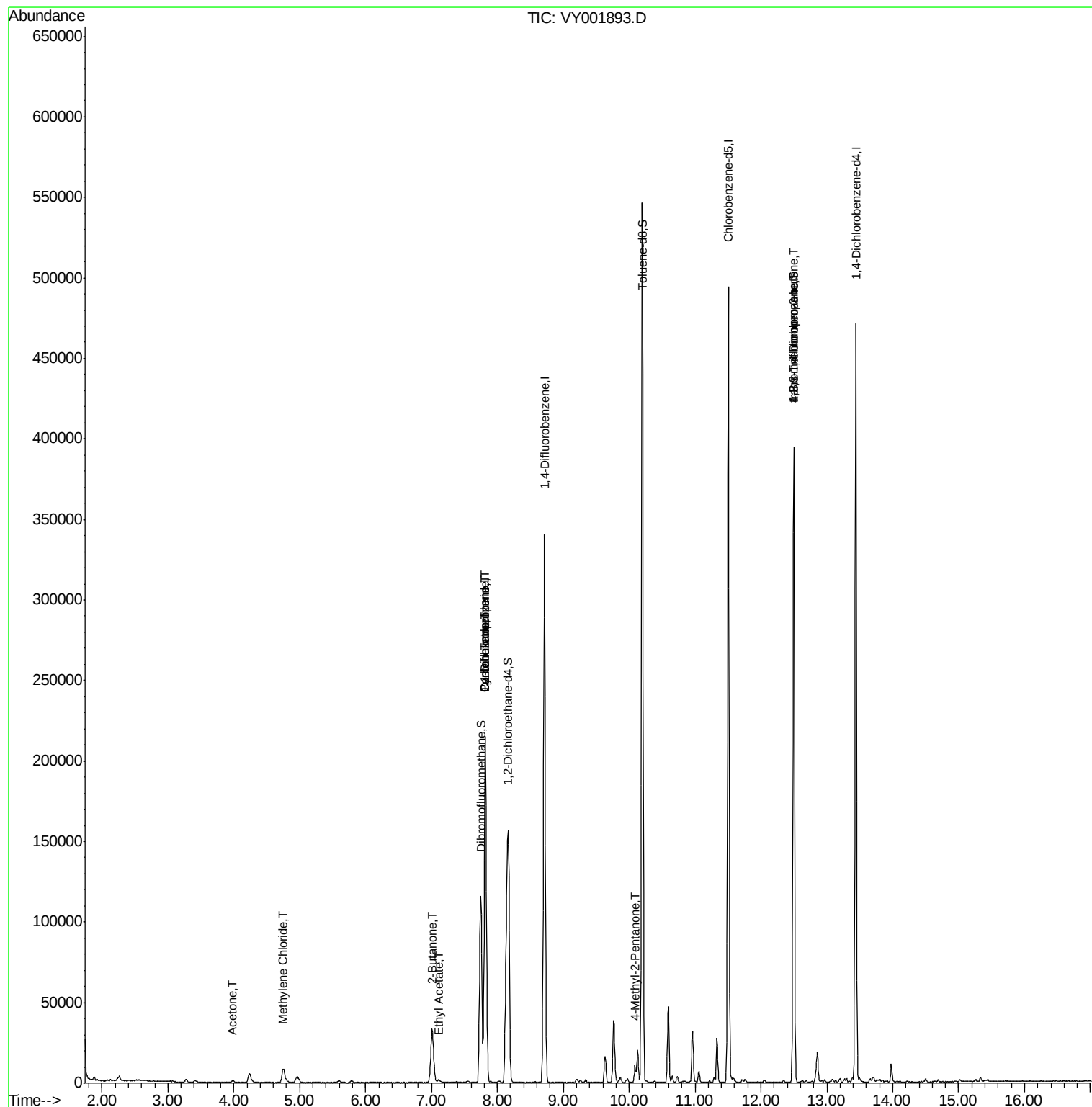
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	19	Below Cal	#	4
16) Acetone	3.98	43	2449	4.846	ug/l #	77
20) Methylene Chloride	4.75	84	6026	2.782	ug/l	96
25) 2-Butanone	7.01	43	2170	2.823	ug/l	93
31) Cyclohexane	7.82	56	4261	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13801	4.954	ug/l #	49
37) Ethyl Acetate	7.10	43	1737	1.073	ug/l #	89
38) Carbon Tetrachloride	7.82	117	16109	6.769	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	8612	5.455	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.81	63	697	Below Cal		98
76) 1,2,3-Trichloropropane	12.50	75	60479	43.866	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	60479	88.607	ug/l #	17

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

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Quant Time: Mar 06 22:06:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

Instrument :

MSVOA_Y

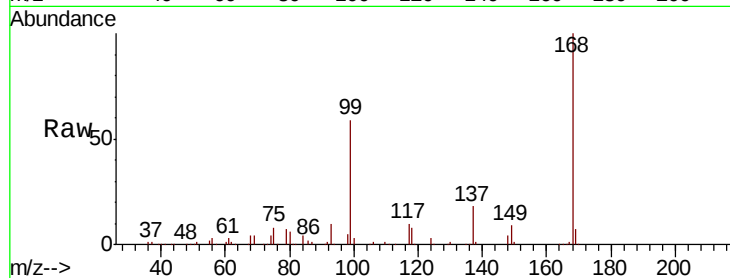
ClientSampled :

Tot Ion:168 Resp: 162537

Ion Ratio Lower Upper

168 100

99 58.6 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

80000

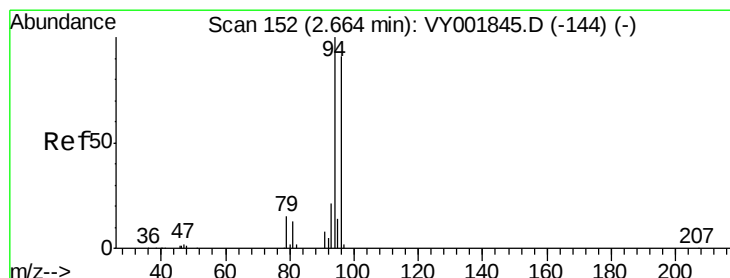
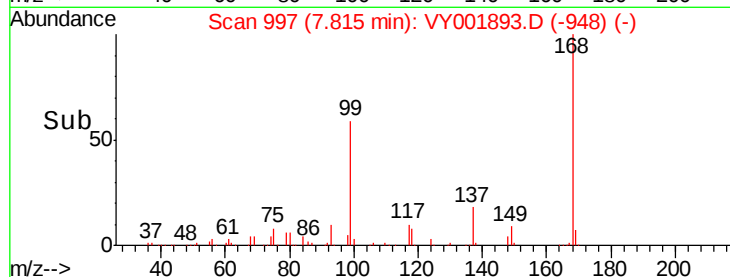
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY001893.D

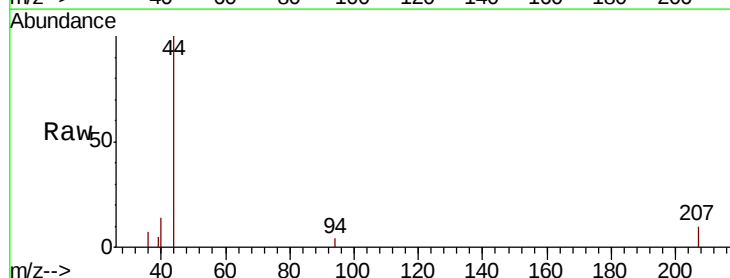
Acq: 06 Mar 2020 11:44

Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

2.65

80

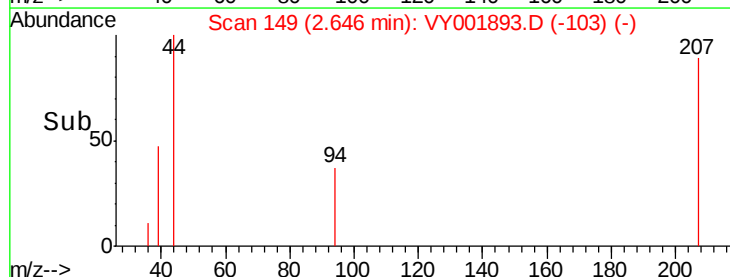
60

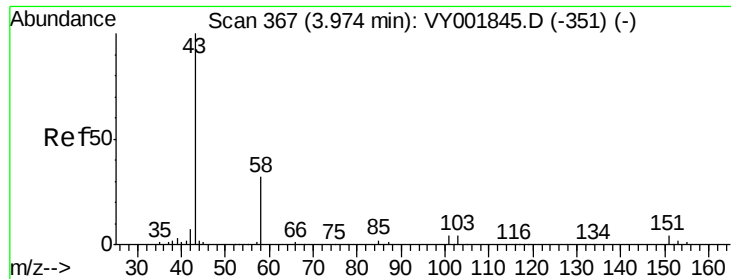
40

20

0

Time-->





#16

Acetone

Concen: 4.846 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

Instrument :

MSVOA_Y

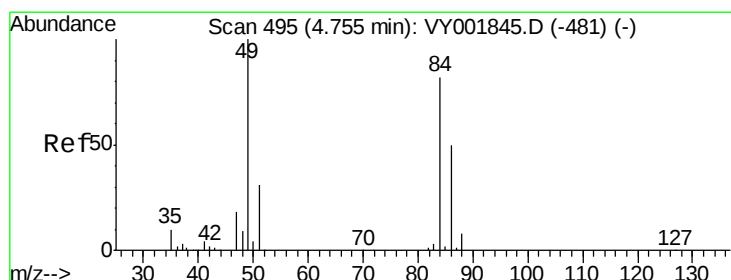
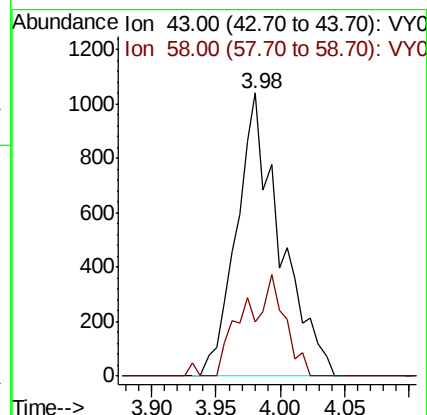
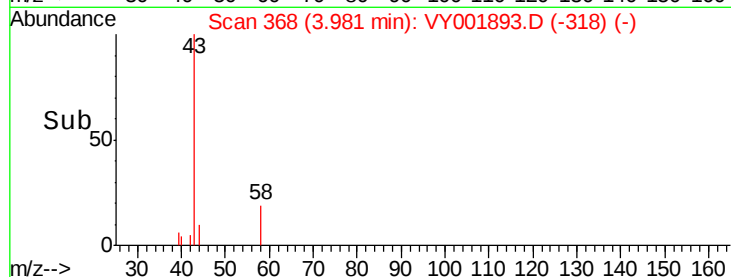
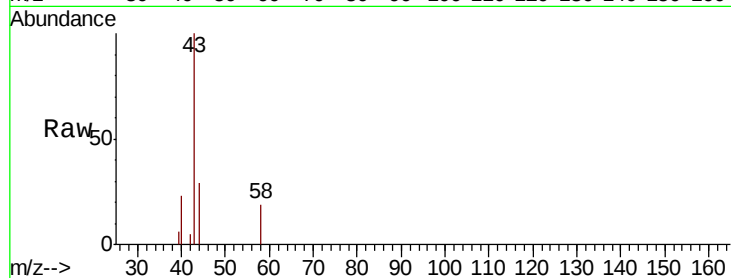
ClientSampleId :

Tot Ion: 43 Resp: 2449

Ion Ratio Lower Upper

43 100

58 19.3 25.9 38.9#



#20

Methylene Chloride

Concen: 2.782 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

Tgt Ion: 84 Resp: 6026

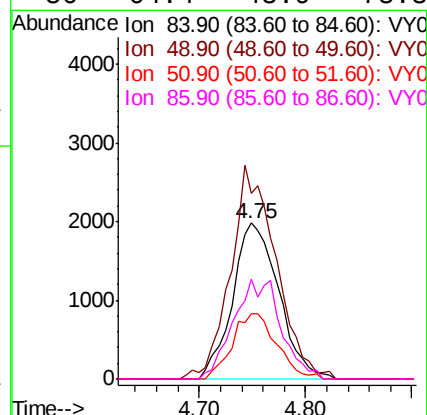
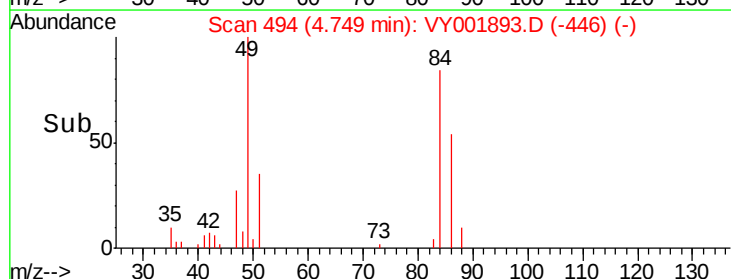
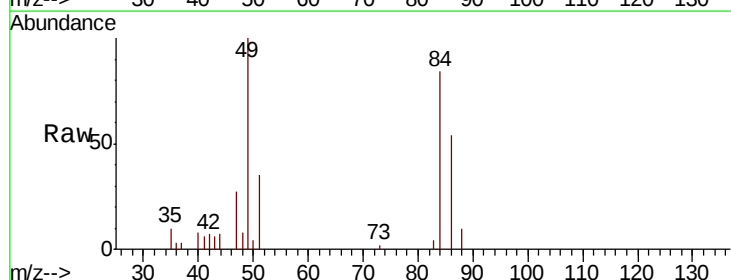
Ion Ratio Lower Upper

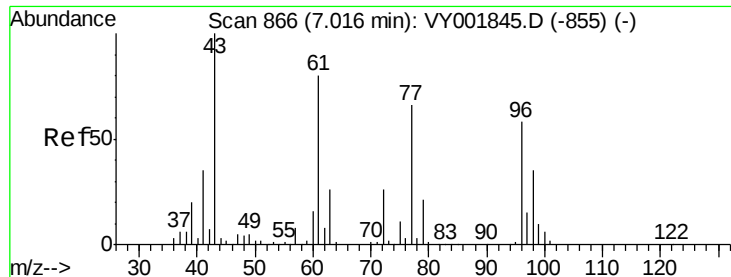
84 100

49 119.4 98.2 147.2

51 41.8 30.2 45.2

86 64.4 48.9 73.3





#25

2-Butanone

Concen: 2.823 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

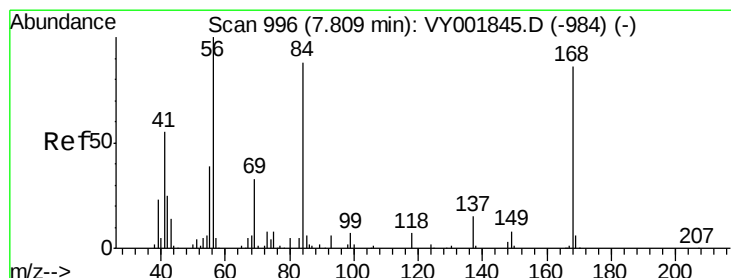
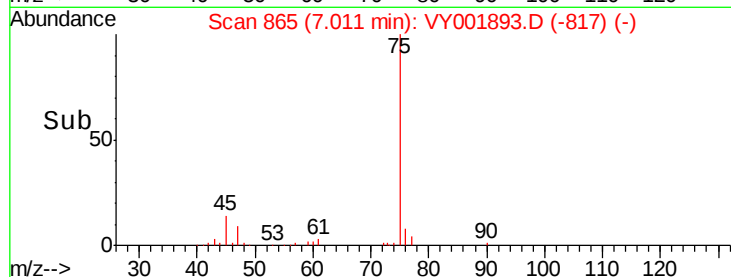
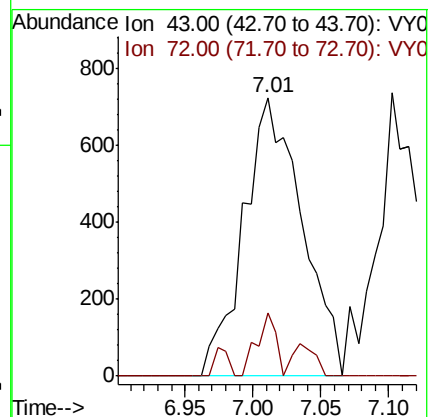
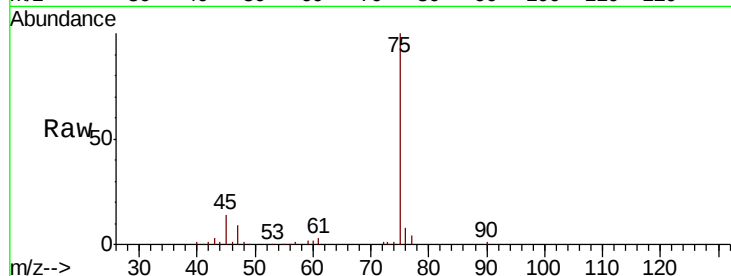
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

72 22.6 20.9 31.3



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

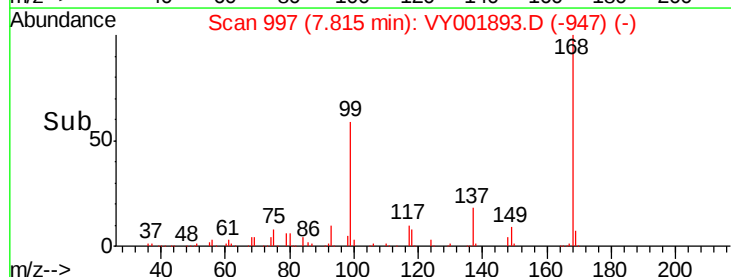
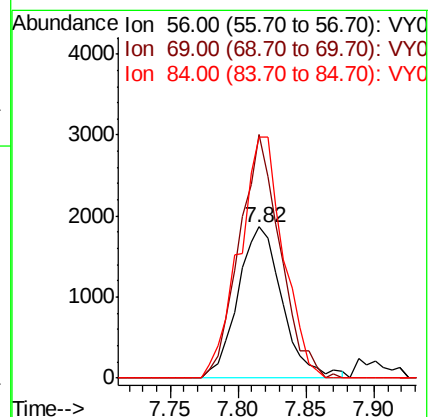
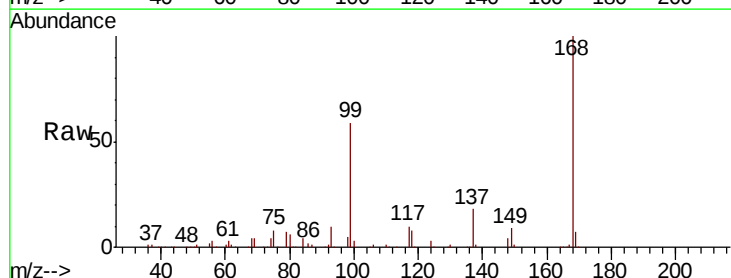
Tgt Ion: 56 Resp: 4261

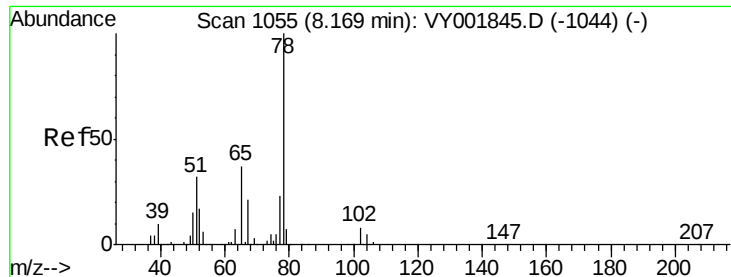
Ion Ratio Lower Upper

56 100

69 161.4 26.7 40.1#

84 159.7 70.4 105.6#

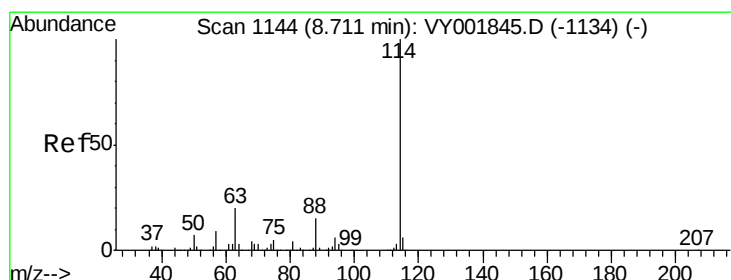
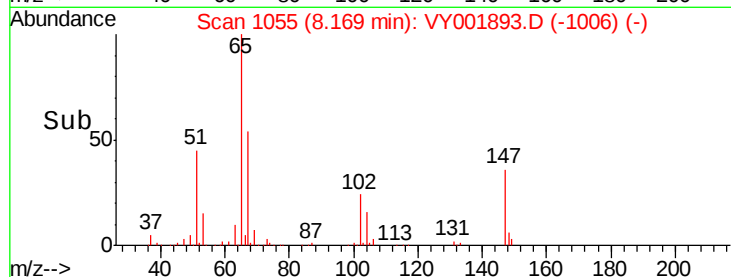
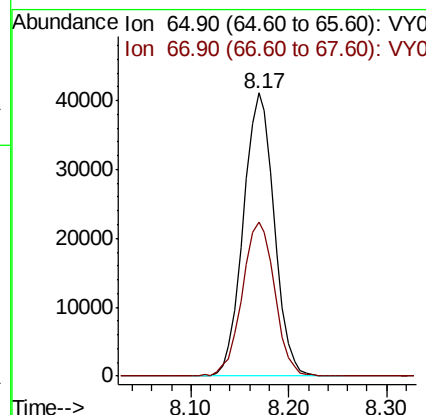
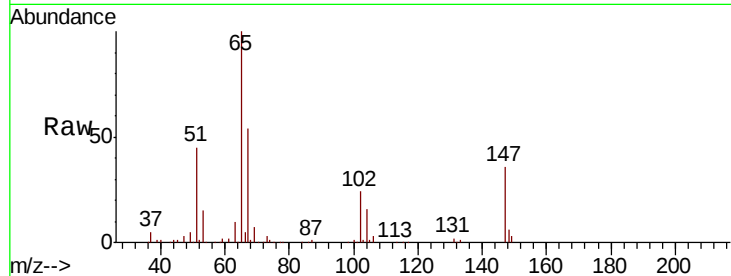




#33
 1,2-Dichloroethane-d4
 Concen: 51.733 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001893.D
 Acq: 06 Mar 2020 11:44

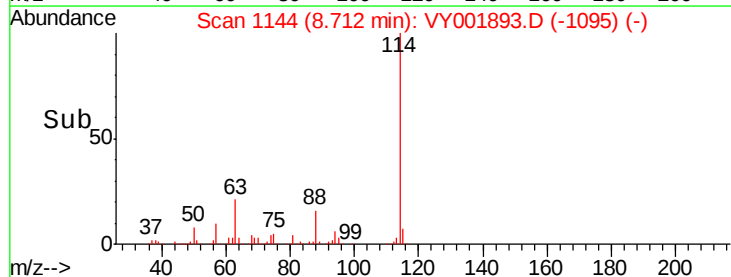
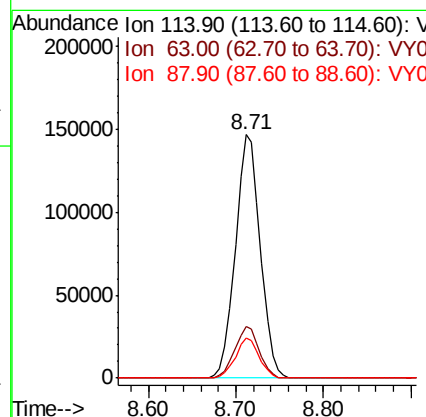
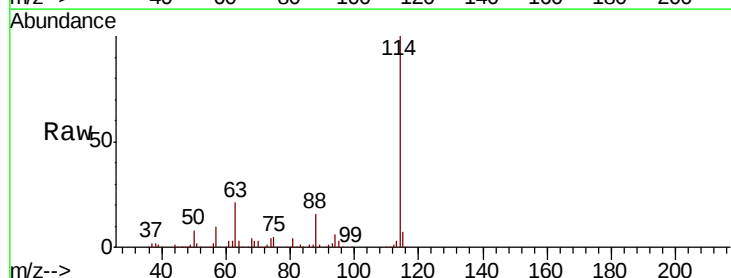
Instrument :
 MSVOA_Y
 ClientSampleId :

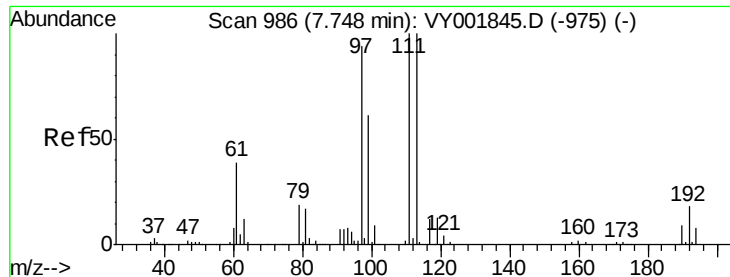
Tot Ion: 65 Resp: 89767
 Ion Ratio Lower Upper
 65 100
 67 57.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001893.D
 Acq: 06 Mar 2020 11:44

Tgt Ion: 114 Resp: 289479
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.4
 88 16.3 0.0 30.4

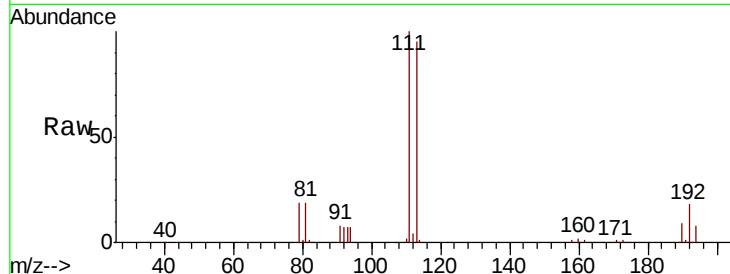




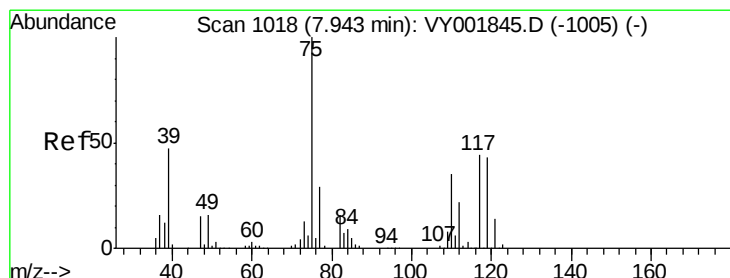
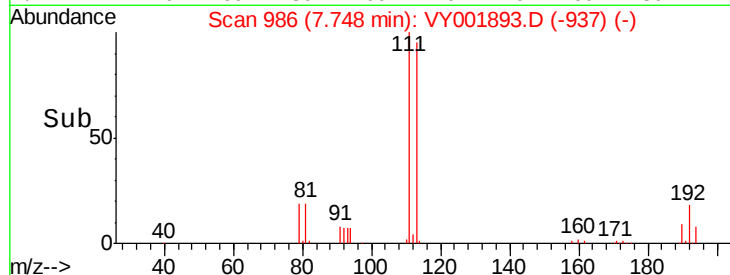
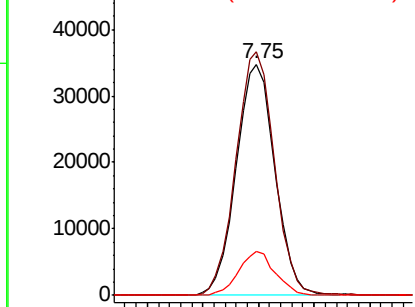
#35
 Dibromofluoromethane
 Concen: 53.115 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001893.D
 Acq: 06 Mar 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 83958
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.8 122.8
 192 17.8 14.2 21.2

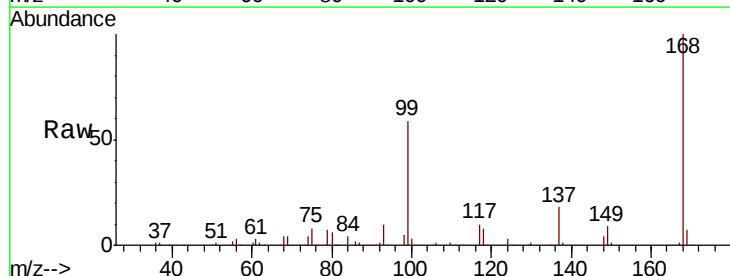


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

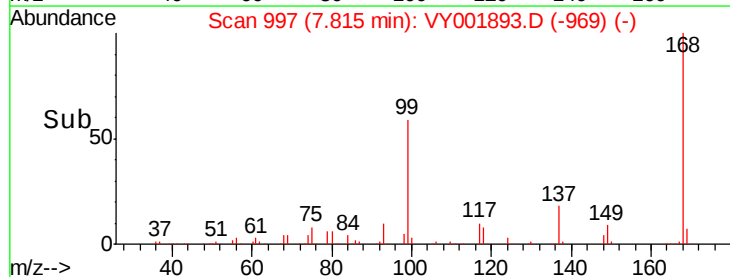
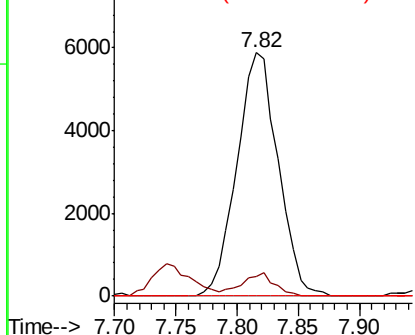


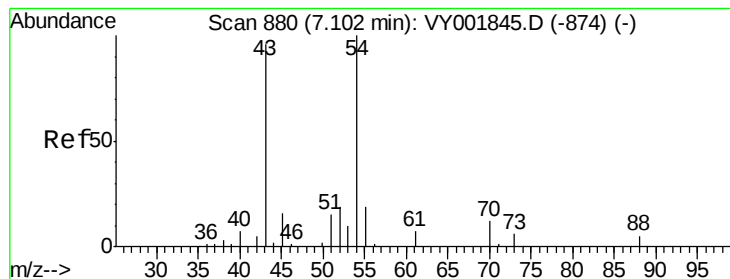
#36
 1,1-Dichloropropene
 Concen: 4.954 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001893.D
 Acq: 06 Mar 2020 11:44

Tgt Ion: 75 Resp: 13801
 Ion Ratio Lower Upper
 75 100
 110 7.5 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): V
 Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 1.073 ug/l

RT: 7.10 min Scan# 880

Delta R.T. 0.00 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

Instrument :

MSVOA_Y

ClientSampled :

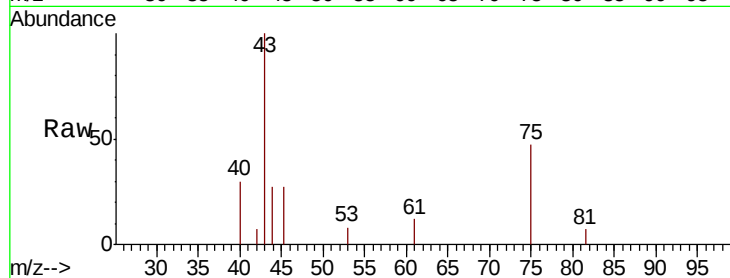
Tot Ion: 43 Resp: 1737

Ion Ratio Lower Upper

43 100

61 10.2 11.1 16.7#

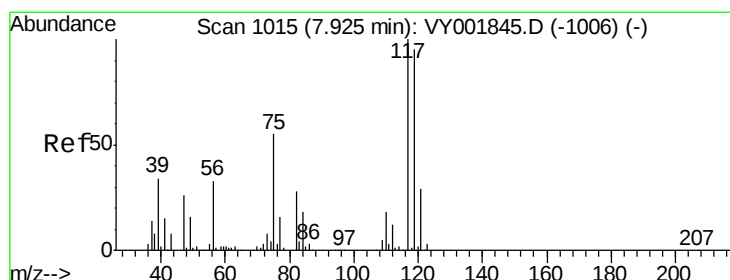
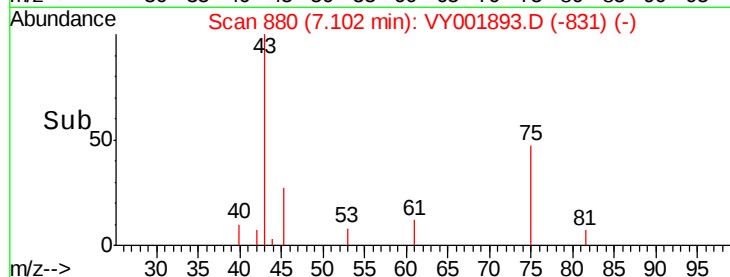
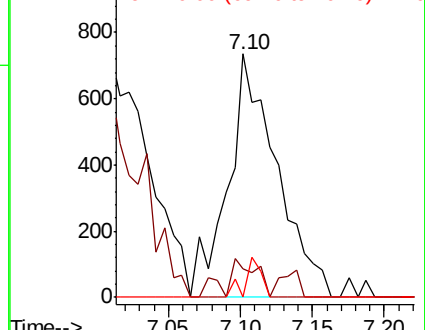
70 5.3 8.2 12.4#



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: 6.769 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

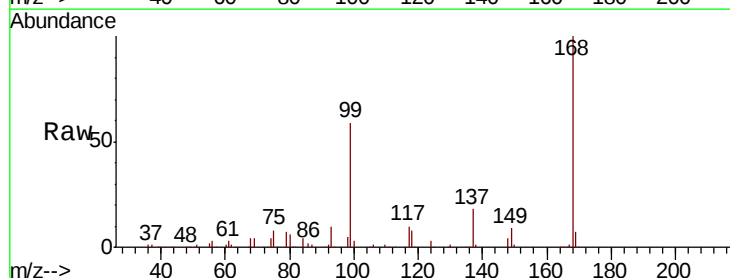
Tgt Ion: 117 Resp: 16109

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

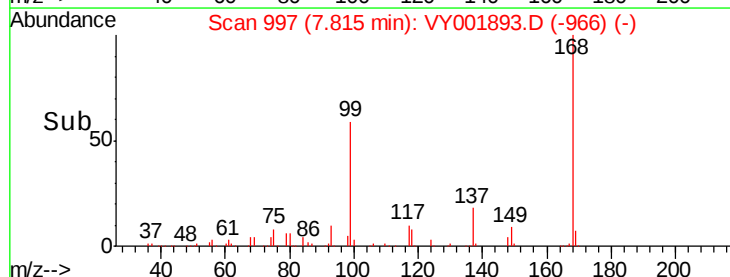
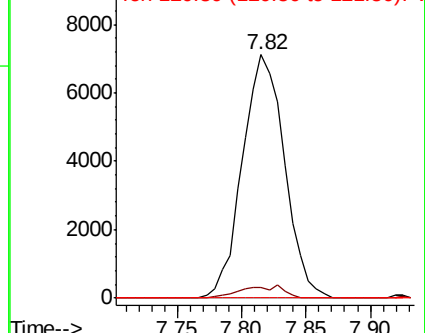
121 0.0 23.5 35.3#

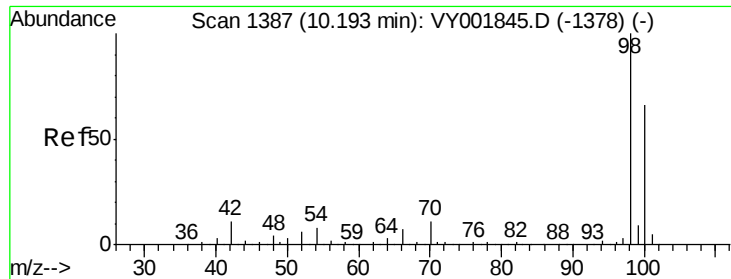


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.826 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001893.D

Acq: 06 Mar 2020 11:44

Instrument :

MSVOA_Y

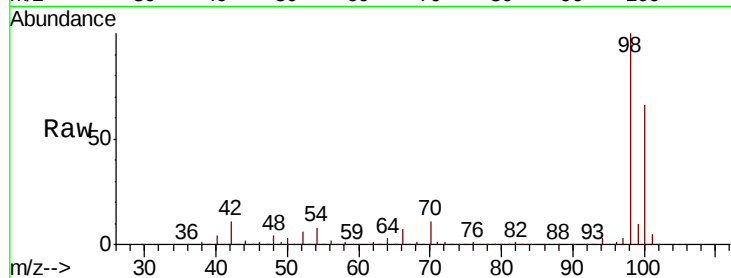
ClientSampleId :

Tot Ion: 98 Resp: 352113

Ion Ratio Lower Upper

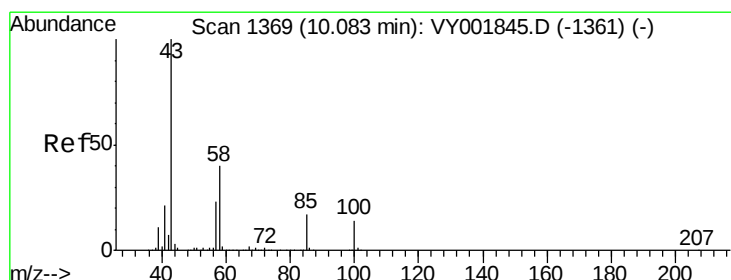
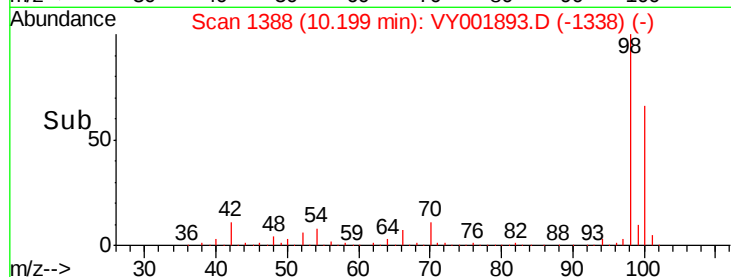
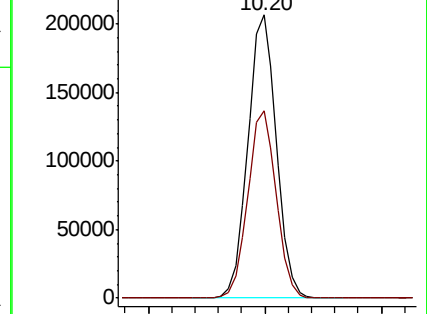
98 100

100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 5.455 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001893.D

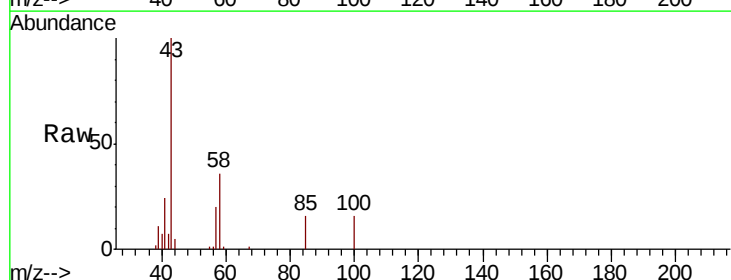
Acq: 06 Mar 2020 11:44

Tgt Ion: 43 Resp: 8612

Ion Ratio Lower Upper

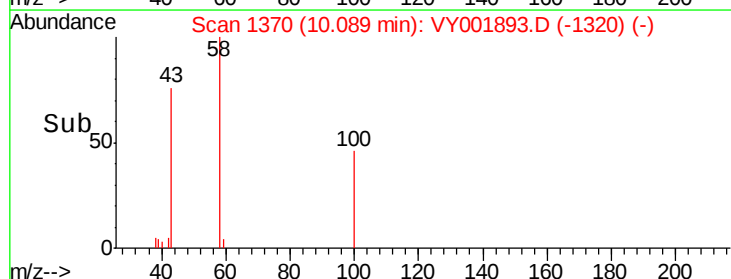
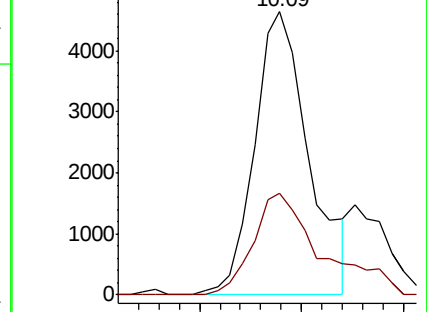
43 100

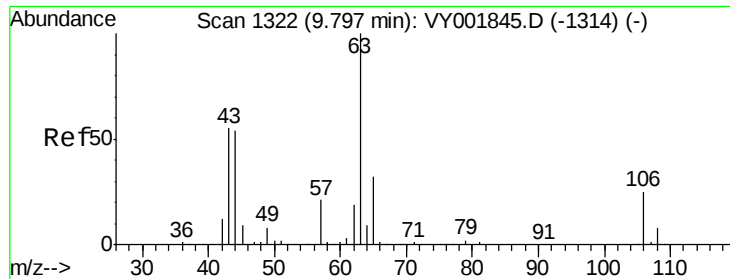
58 44.8 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

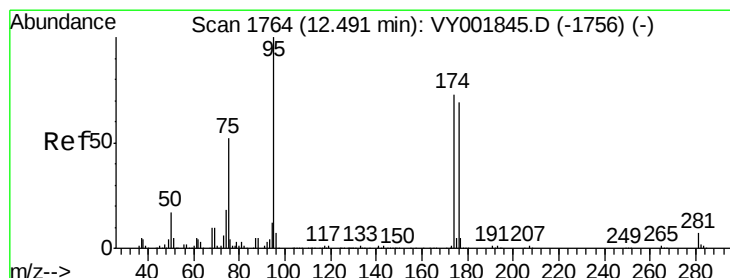
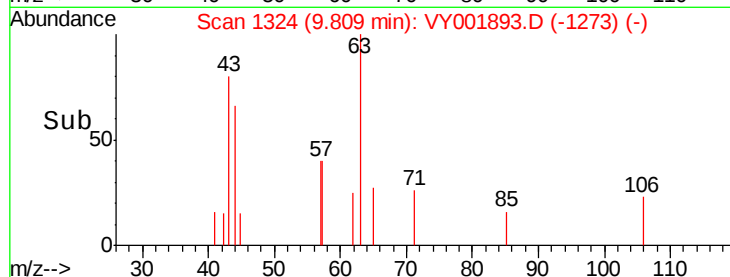
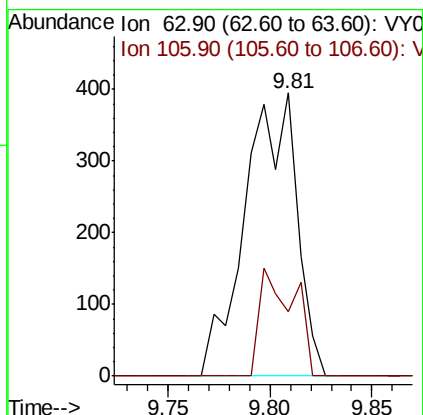
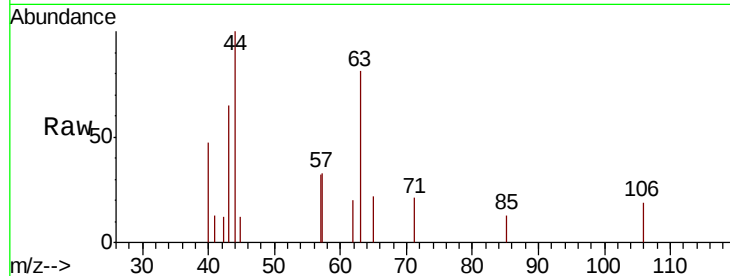




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.81 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VY001893.D
Acq: 06 Mar 2020 11:44

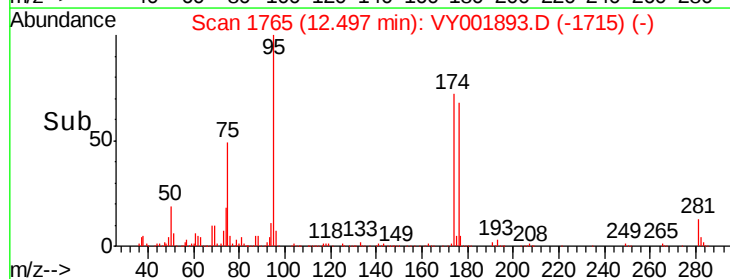
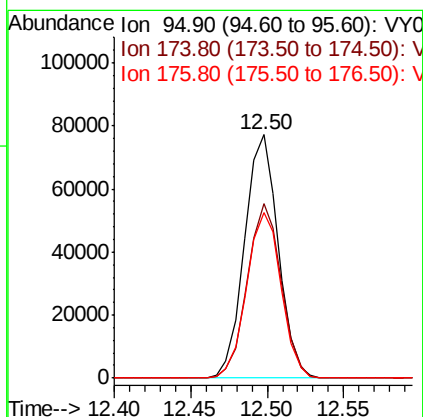
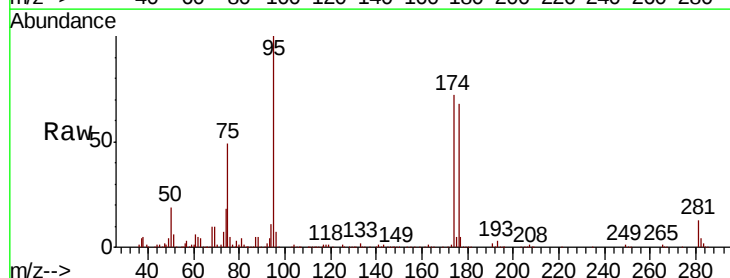
Instrument :
MSVOA_Y
ClientSampleId :

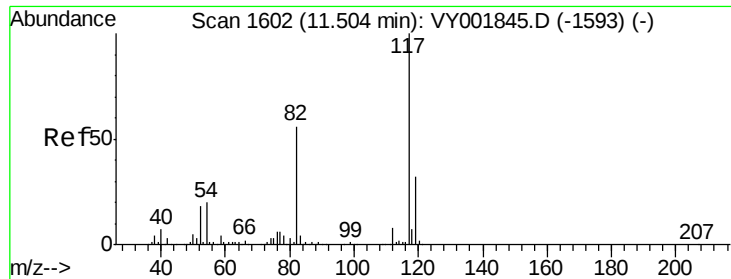
Tot Ion: 63 Resp: 697
Ion Ratio Lower Upper
63 100
106 25.5 21.3 31.9



#62
4-Bromofluorobenzene
Concen: 51.042 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001893.D
Acq: 06 Mar 2020 11:44

Tgt Ion: 95 Resp: 118299
Ion Ratio Lower Upper
95 100
174 72.2 0.0 145.0
176 69.5 0.0 137.4

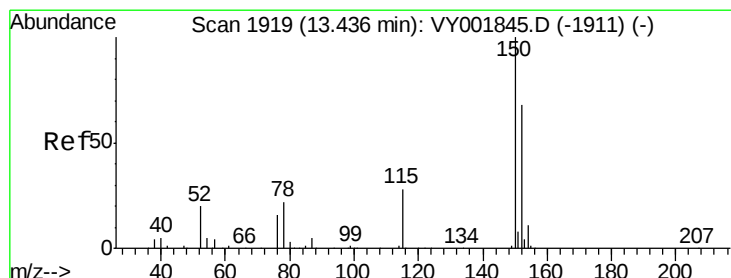
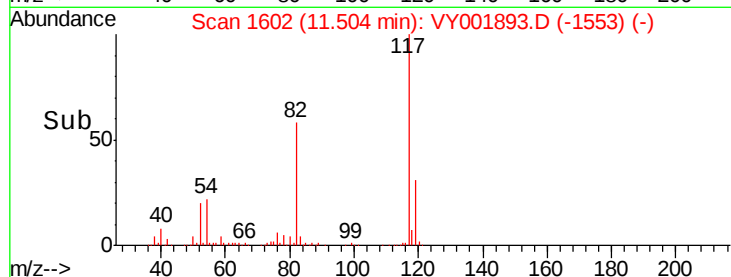
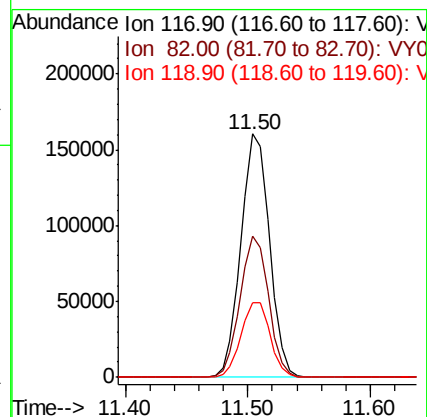
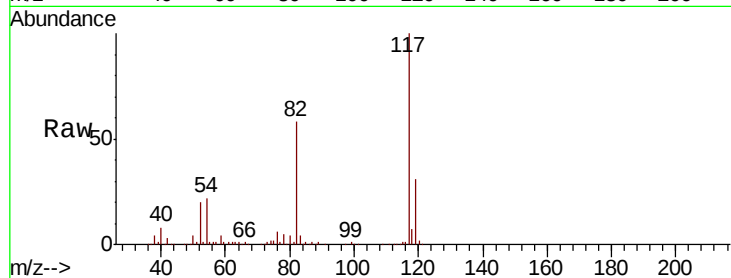




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001893.D
Acq: 06 Mar 2020 11:44

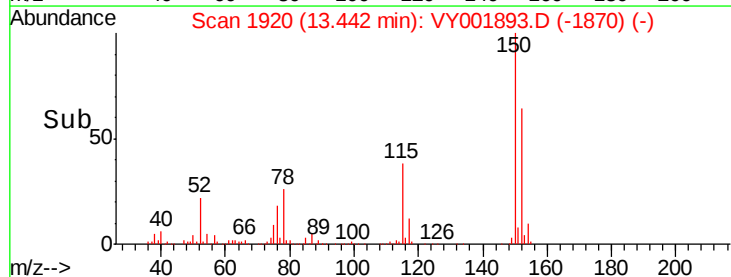
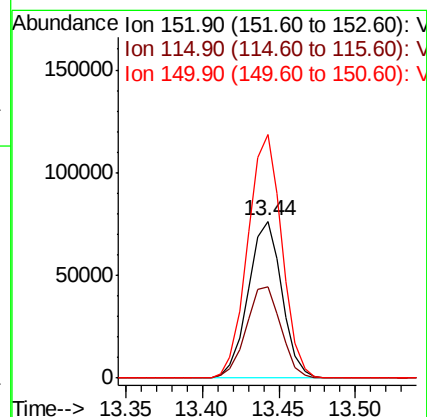
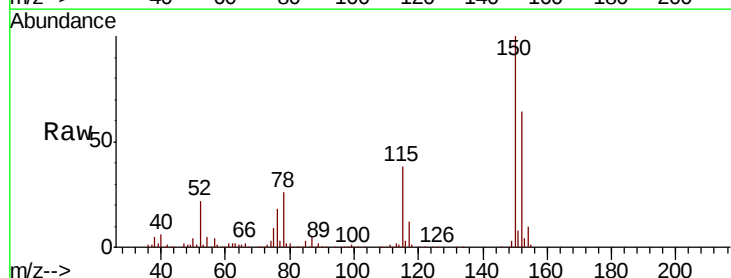
Instrument :
MSVOA_Y
ClientSampleId :

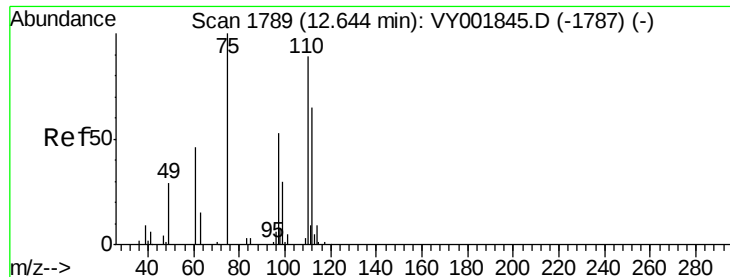
Tot Ion:117 Resp: 259454
Ion Ratio Lower Upper
117 100
82 58.2 44.5 66.7
119 30.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001893.D
Acq: 06 Mar 2020 11:44

Tgt Ion:152 Resp: 116194
Ion Ratio Lower Upper
152 100
115 60.1 29.9 89.7
150 157.7 0.0 340.6



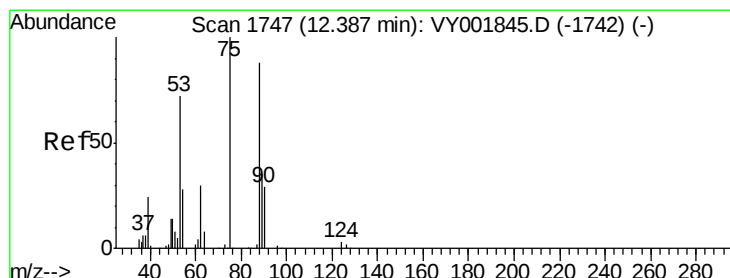
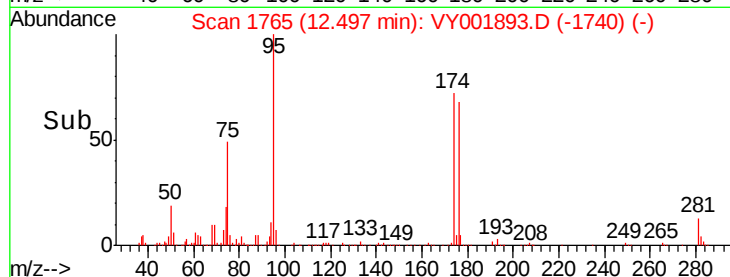
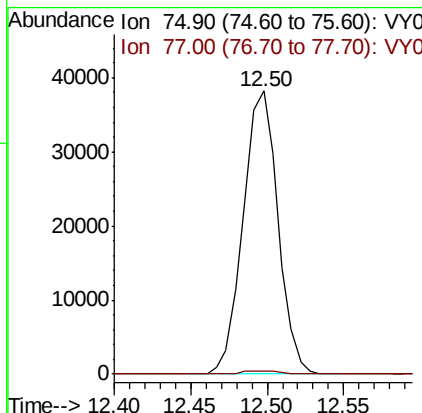
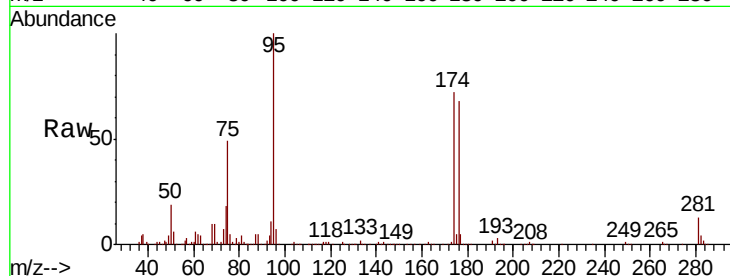


#76

1,2,3-Trichloropropane
Concen: 43.866 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. -0.15 min
Lab File: VY001893.D
Acq: 06 Mar 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 60479
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 88.607 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.11 min
Lab File: VY001893.D
Acq: 06 Mar 2020 11:44

Tgt Ion: 75 Resp: 60479
Ion Ratio Lower Upper
75 100
53 0.0 65.4 98.0#
89 0.2 36.0 54.0#

