

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001886.D
 Acq On : 05 Mar 2020 16:50
 Operator : SY/MD
 Sample : L1778-22RE
 Misc : 7.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:39:14 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	7.81	168	137490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	264261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	226721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	85727	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	84719	57.72	ug/l	-0.01
Spiked Amount			Recovery	=	115.44%	
35) Dibromofluoromethane	7.74	113	77378	53.62	ug/l	-0.01
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.19	98	318227	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.49	95	96624	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

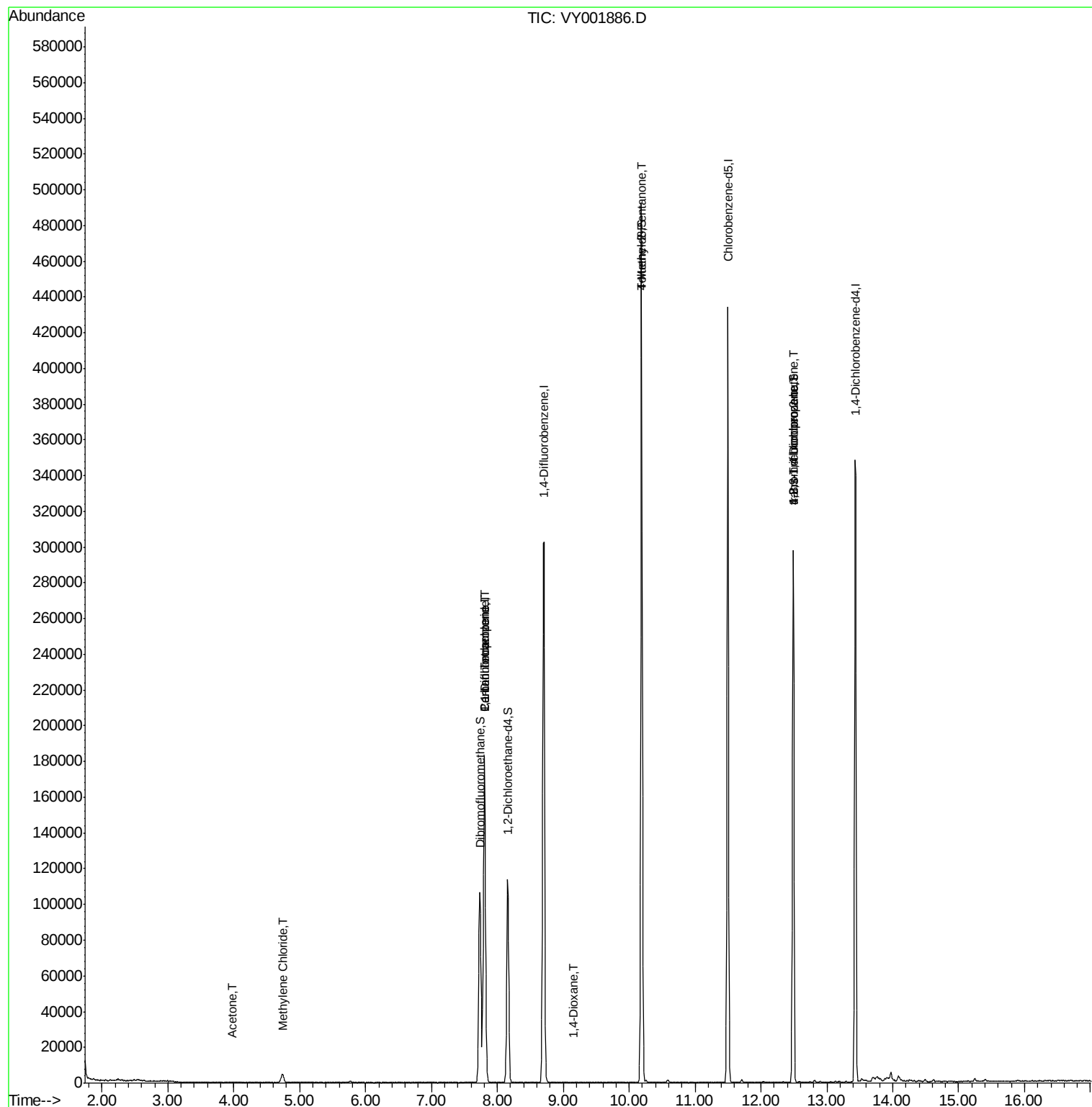
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.46	94	23	Below Cal	#	46
11) Tert butyl alcohol	4.93	59	20	Below Cal	#	74
16) Acetone	3.97	43	499	1.167	ug/l #	42
20) Methylene Chloride	4.75	84	3429	1.871	ug/l #	91
36) 1,1-Dichloropropene	7.80	75	11735	4.615	ug/l #	50
38) Carbon Tetrachloride	7.80	117	13737	6.324	ug/l #	16
49) 1,4-Dioxane	9.15	88	24	1.794	ug/l #	22
51) 4-Methyl-2-Pentanone	10.19	43	1561	1.083	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	49982	49.136	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49982	99.253	ug/l #	17

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

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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: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001886.D

Acq: 05 Mar 2020 16:50

Instrument :

MSVOA_Y

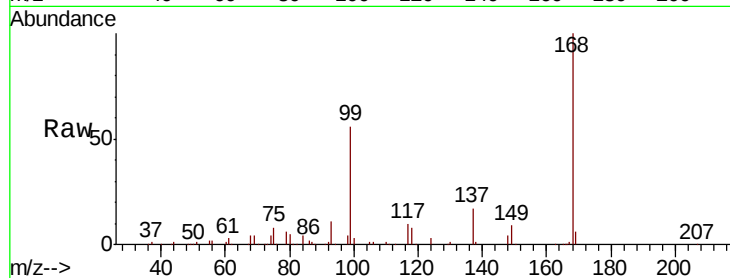
ClientSampled :

Tot Ion:168 Resp: 137490

Ion Ratio Lower Upper

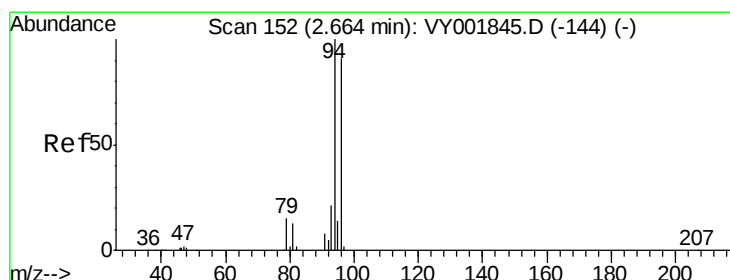
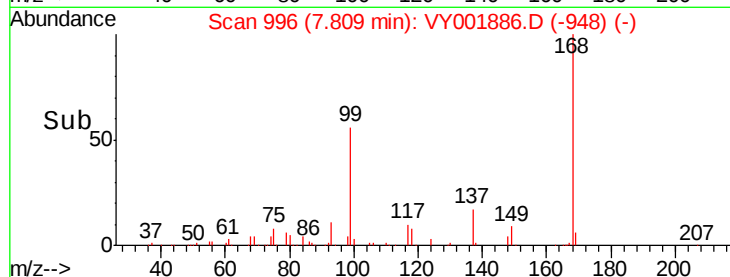
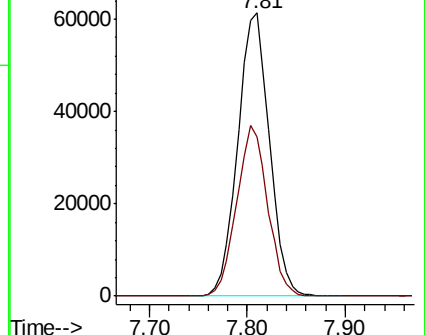
168 100

99 56.1 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) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.46 min Scan# 118

Delta R.T. -0.21 min

Lab File: VY001886.D

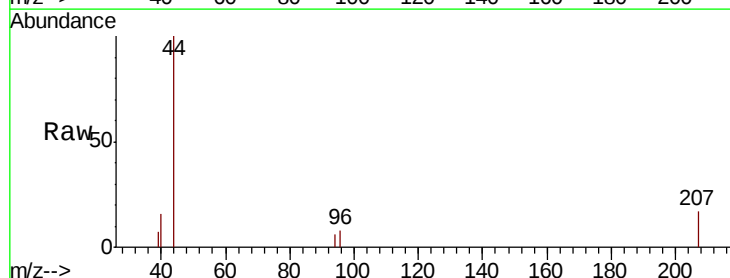
Acq: 05 Mar 2020 16:50

Tgt Ion: 94 Resp: 23

Ion Ratio Lower Upper

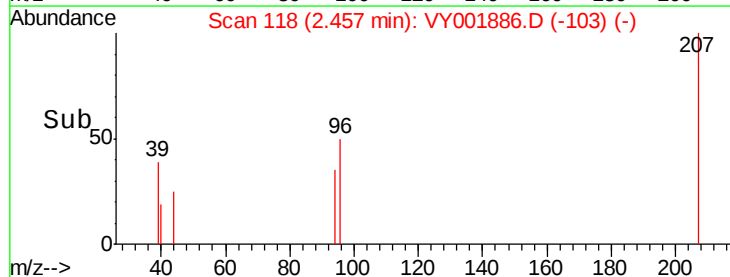
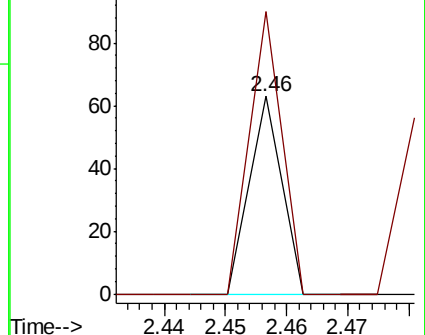
94 100

96 142.9 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) (-)



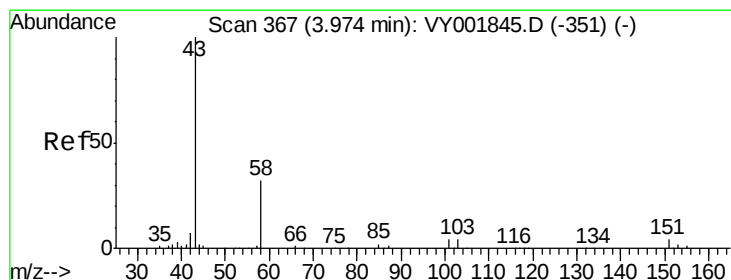
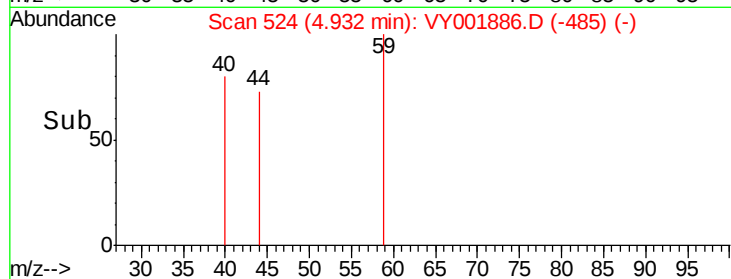
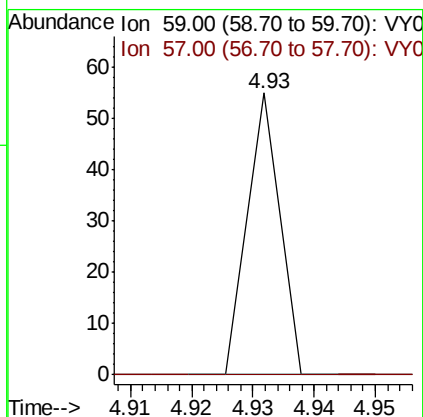
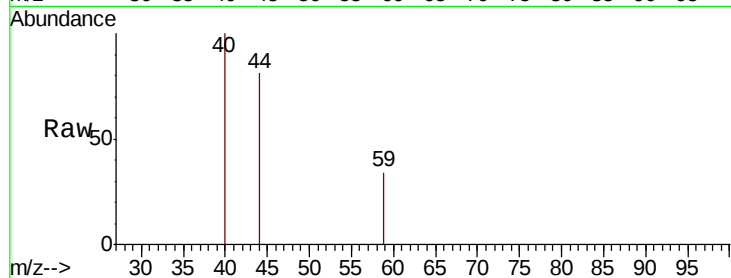


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.93 min Scan# 524
 Delta R.T. -0.06 min
 Lab File: VY001886.D
 Acq: 05 Mar 2020 16:50

Instrument :
 MSVOA_Y
 ClientSampled :

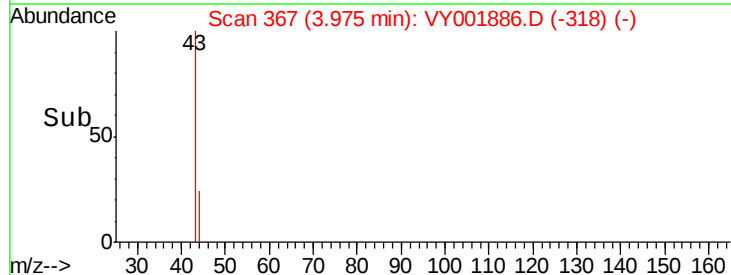
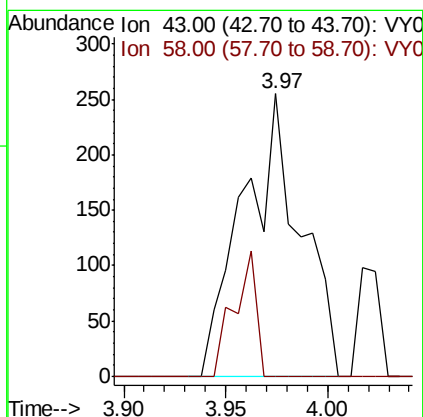
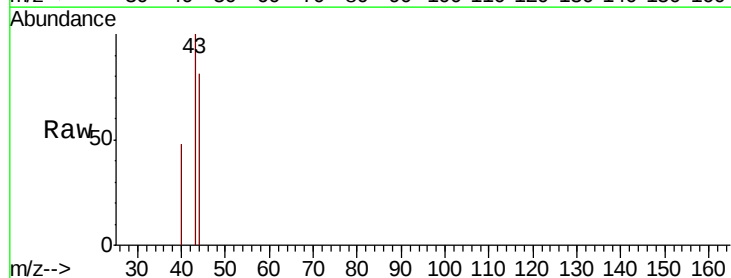
Tot Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

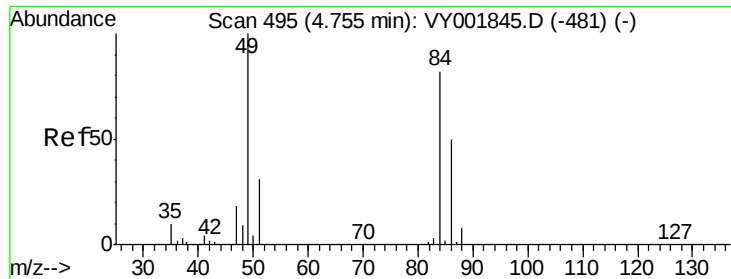


#16

Acetone
 Concen: 1.167 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY001886.D
 Acq: 05 Mar 2020 16:50

Tgt Ion: 43 Resp: 499
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 38.9#

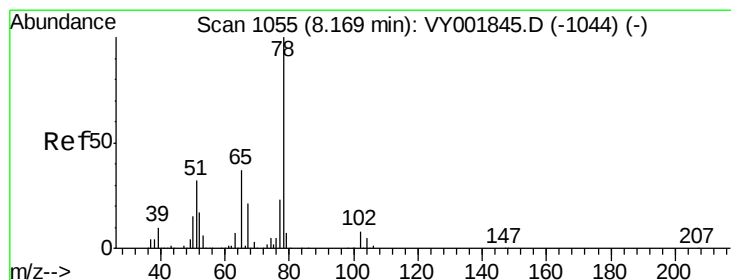
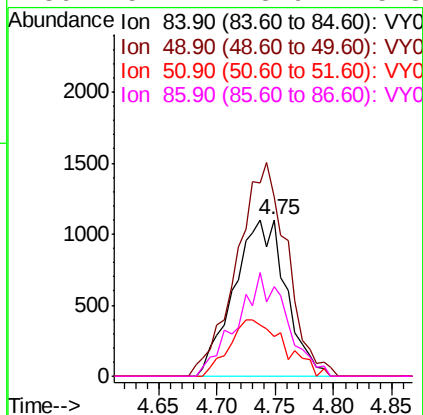
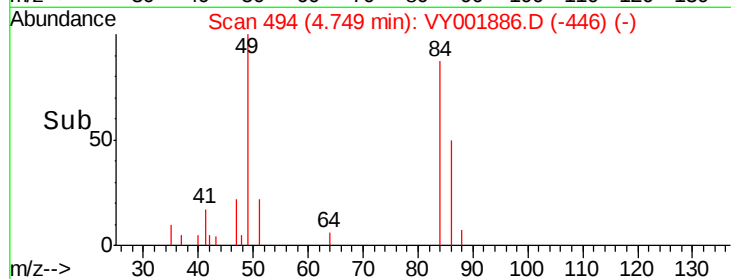
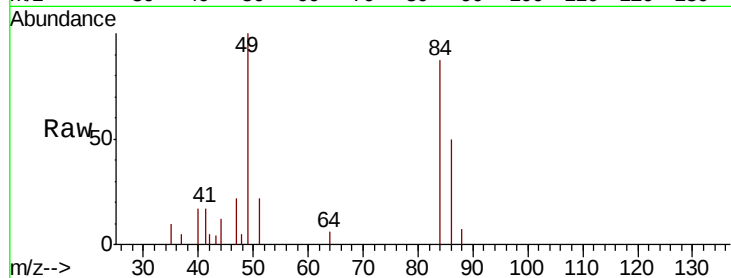




#20
Methvlene Chloride
Concen: 1.871 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001886.D
Acq: 05 Mar 2020 16:50

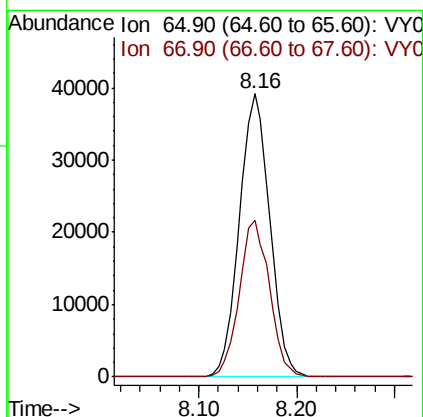
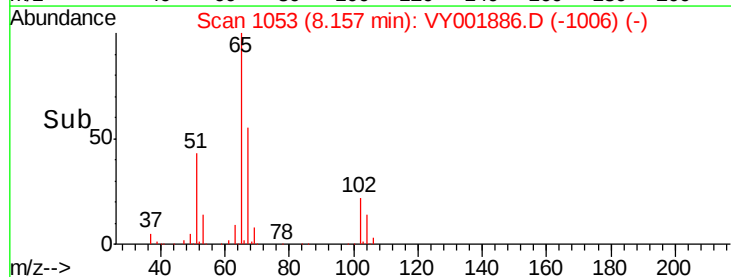
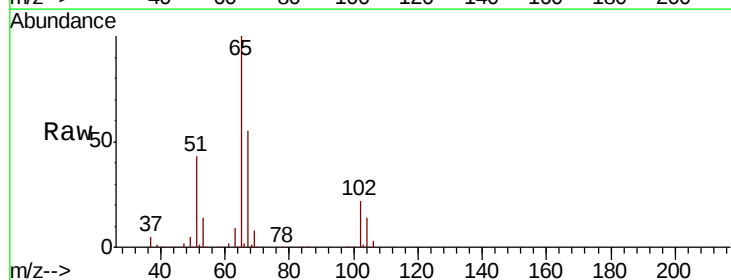
Instrument :
MSVOA_Y
ClientSampleId :

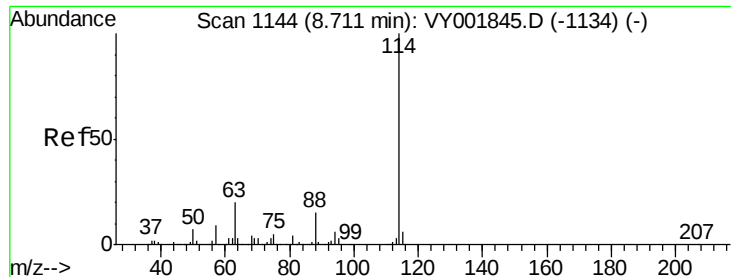
Tot Ion: 84 Resp: 3429
Ion Ratio Lower Upper
84 100
49 114.8 98.2 147.2
51 25.3 30.2 45.2#
86 57.2 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 57.718 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY001886.D
Acq: 05 Mar 2020 16:50

Tgt Ion: 65 Resp: 84719
Ion Ratio Lower Upper
65 100
67 55.0 0.0 110.8

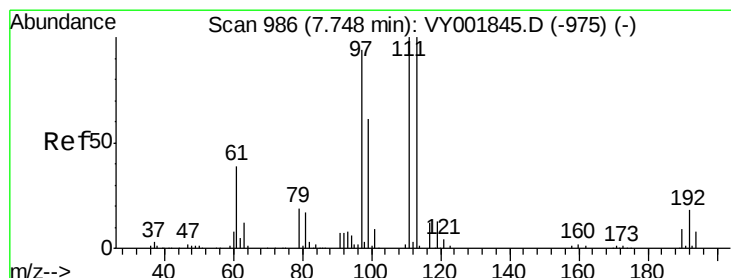
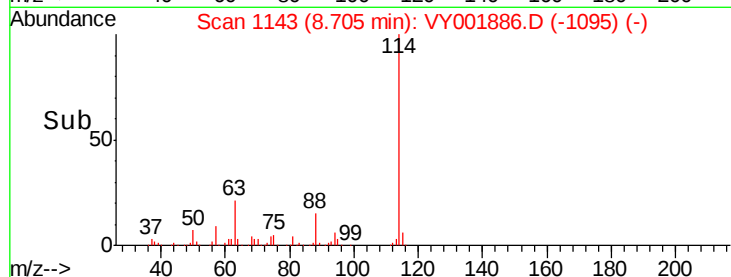
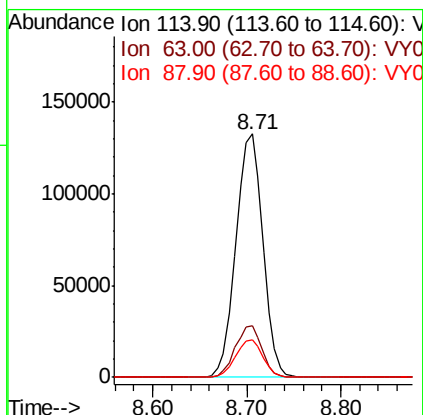
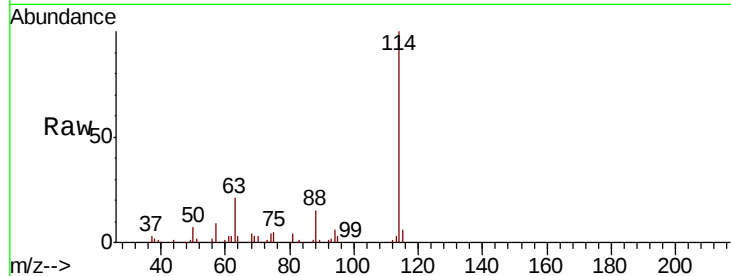




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001886.D
 Acq: 05 Mar 2020 16:50

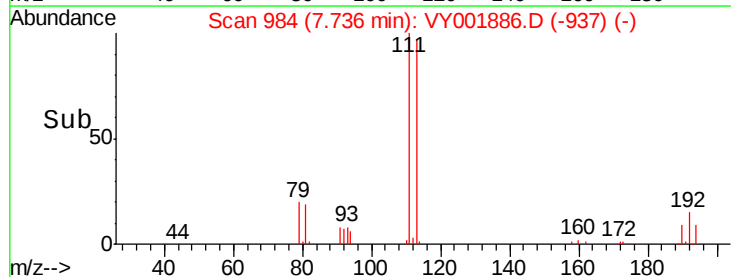
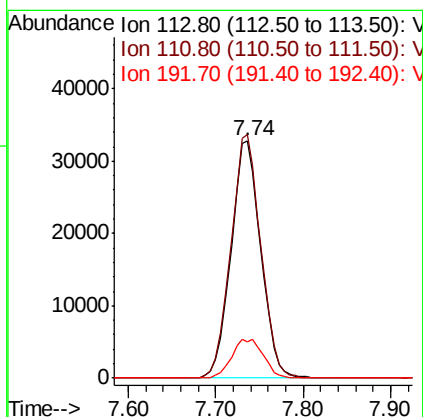
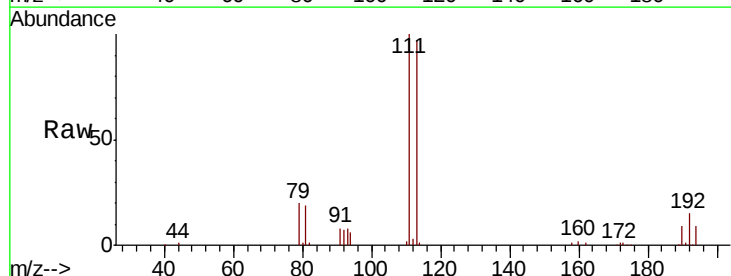
Instrument :
 MSVOA_Y
 ClientSampleId :

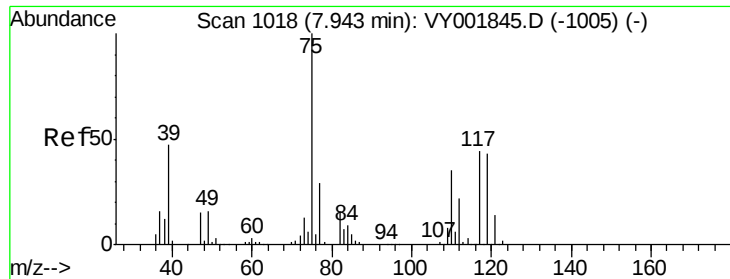
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.4
88	15.3	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 53.624 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001886.D
 Acq: 05 Mar 2020 16:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	17.5	14.2	21.2

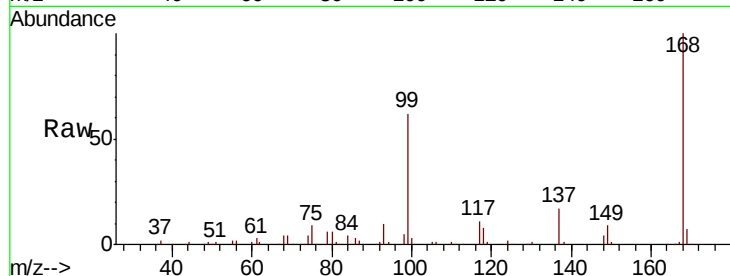




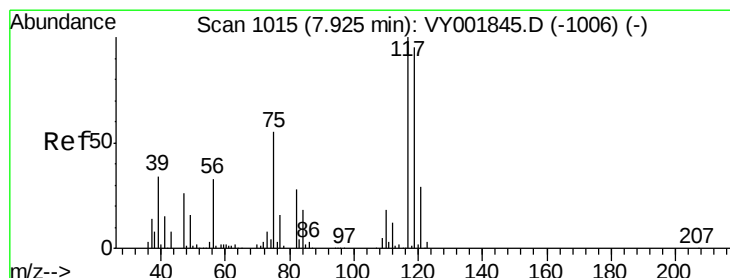
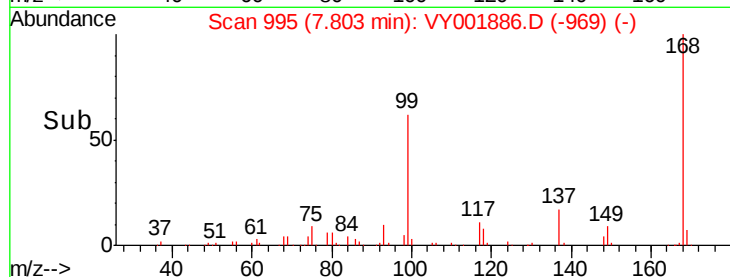
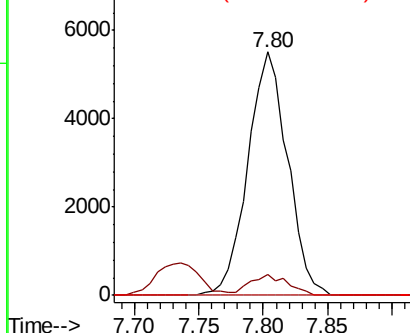
#36
 1,1-Dichloropropene
 Concen: 4.615 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001886.D
 Acq: 05 Mar 2020 16:50

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.4	52.2#
77	0.0	24.2	36.2#

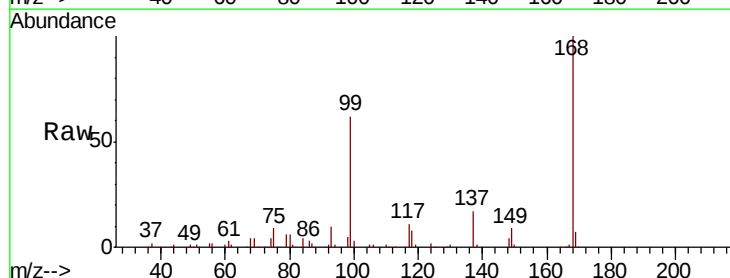


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

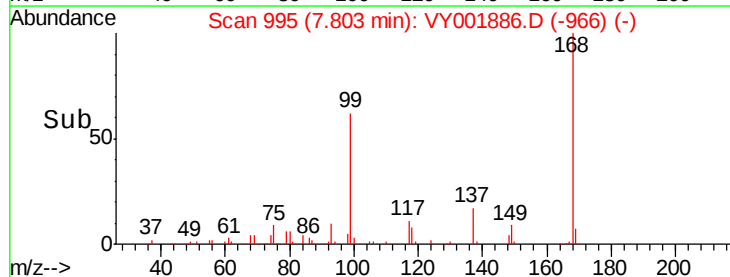
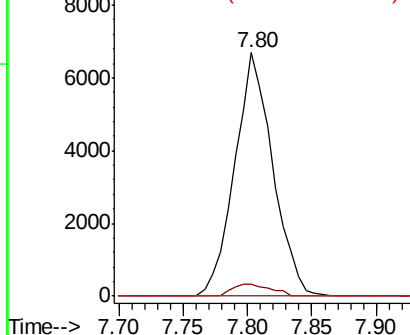


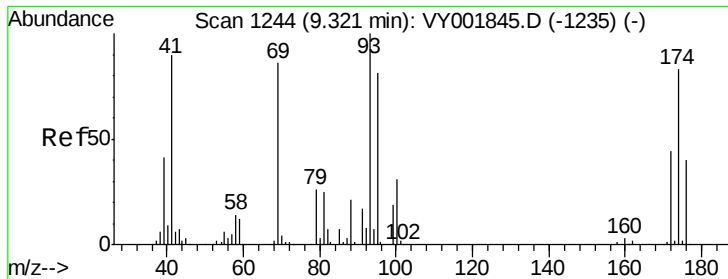
#38
 Carbon Tetrachloride
 Concen: 6.324 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001886.D
 Acq: 05 Mar 2020 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	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





#49

1,4-Dioxane

Concen: 1.794 ug/l

RT: 9.15 min Scan# 1216

Delta R.T. -0.17 min

Lab File: VY001886.D

Acq: 05 Mar 2020 16:50

Instrument :
MSVOA_Y
ClientSampleId :

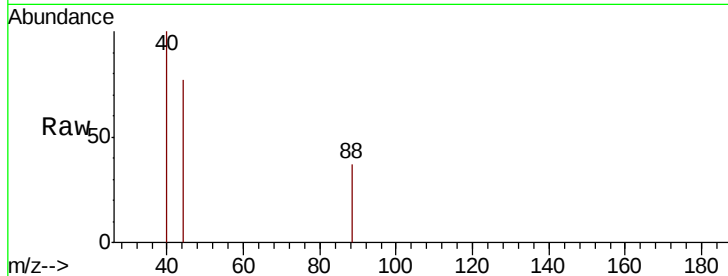
Tot Ion: 88 Resp: 24

Ion Ratio Lower Upper

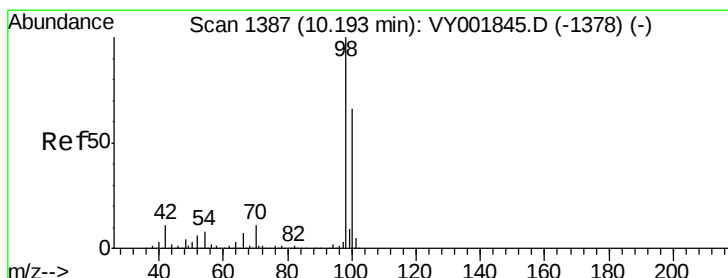
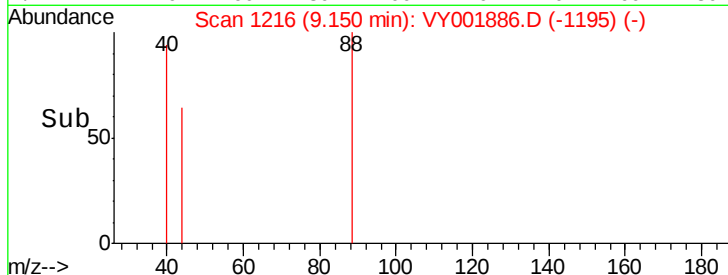
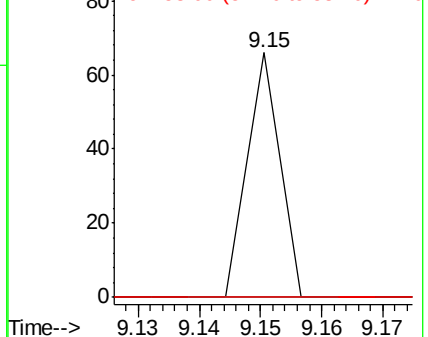
88 100

43 0.0 25.0 37.6#

58 0.0 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 52.299 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001886.D

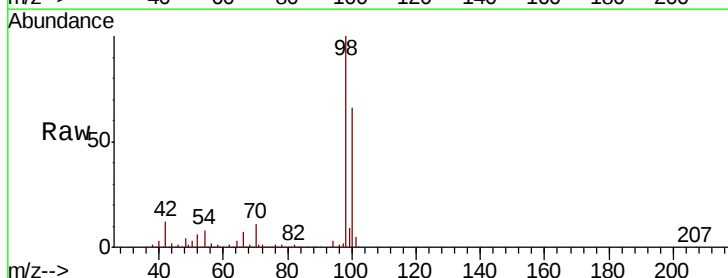
Acq: 05 Mar 2020 16:50

Tgt Ion: 98 Resp: 318227

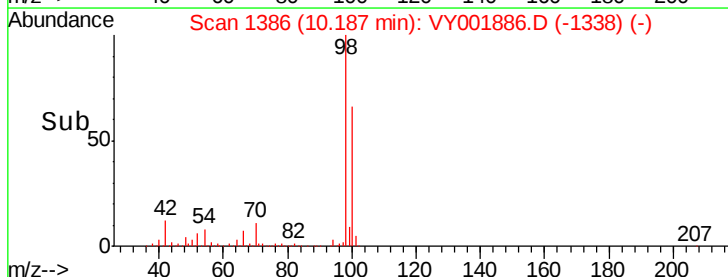
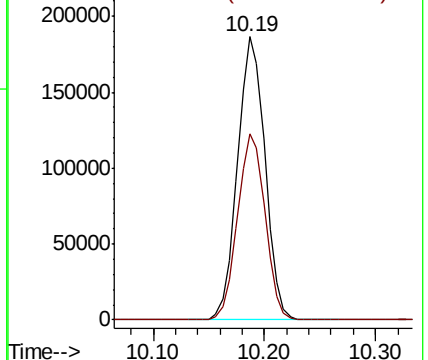
Ion Ratio Lower Upper

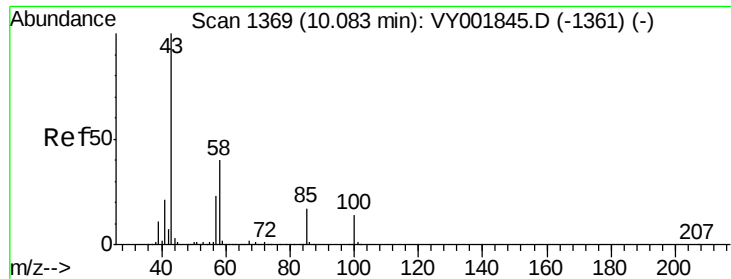
98 100

100 65.9 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: 1.083 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001886.D

Acq: 05 Mar 2020 16:50

Instrument :

MSVOA_Y

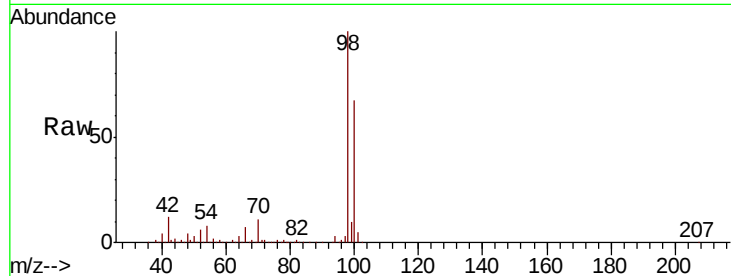
ClientSampleId :

Tot Ion: 43 Resp: 1561

Ion Ratio Lower Upper

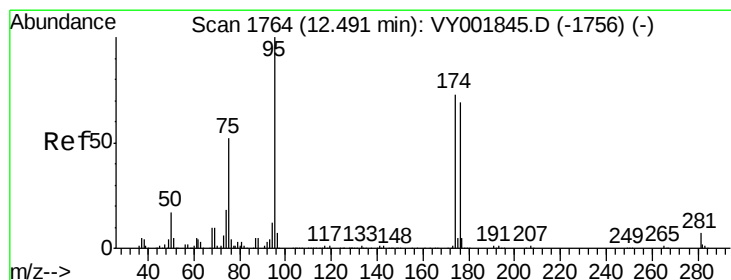
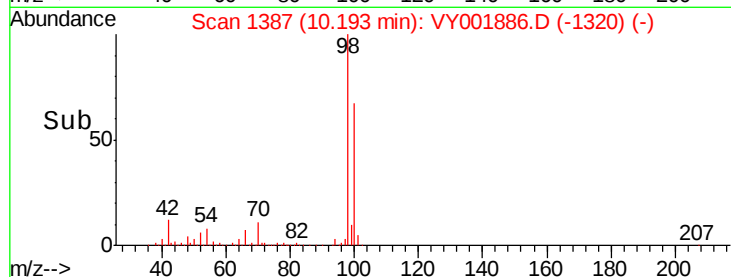
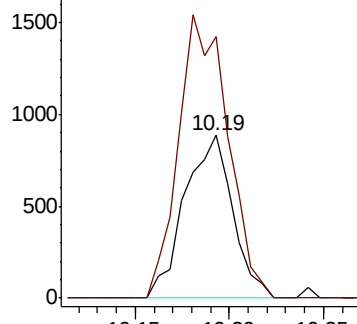
43 100

58 178.9 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 45.669 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001886.D

Acq: 05 Mar 2020 16:50

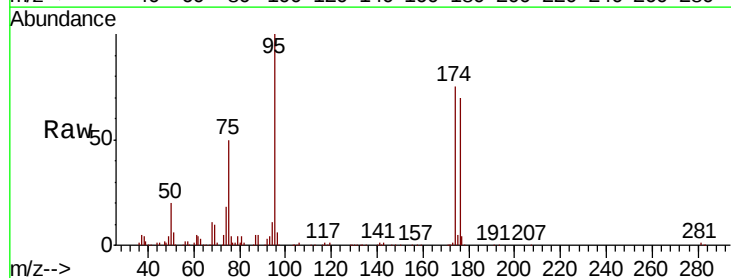
Tgt Ion: 95 Resp: 96624

Ion Ratio Lower Upper

95 100

174 72.8 0.0 145.0

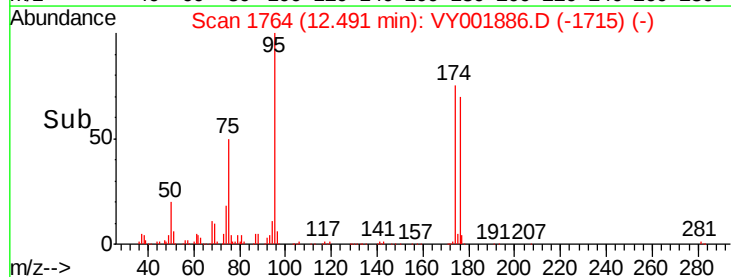
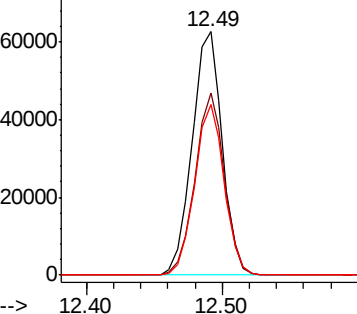
176 69.0 0.0 137.4

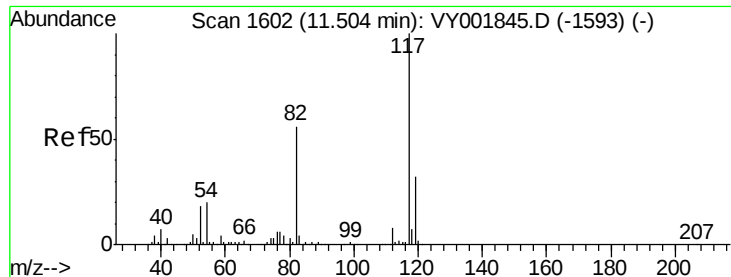


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

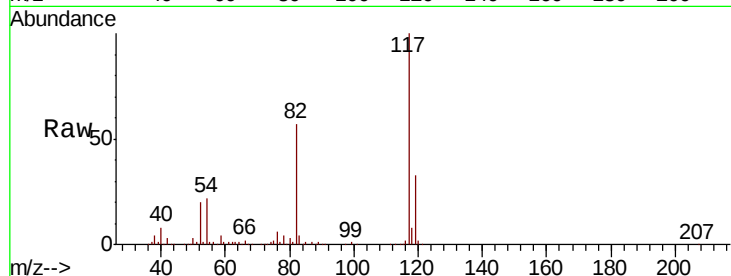




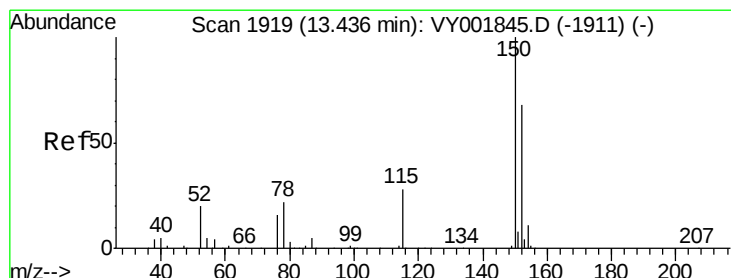
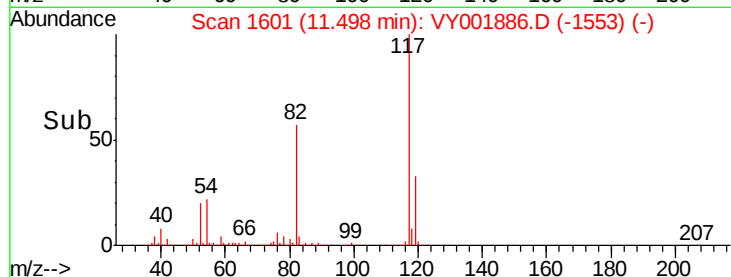
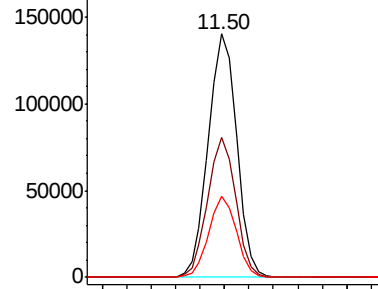
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001886.D
Acq: 05 Mar 2020 16:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 226721
Ion Ratio Lower Upper
117 100
82 57.4 44.5 66.7
119 33.0 25.7 38.5

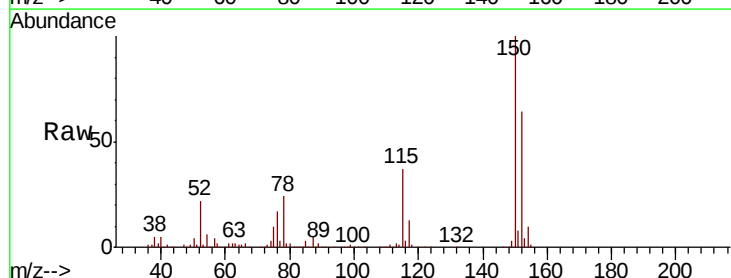


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

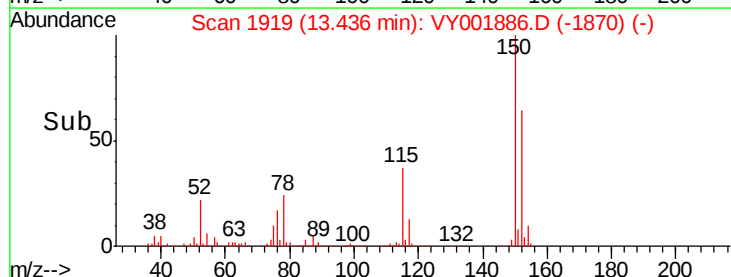
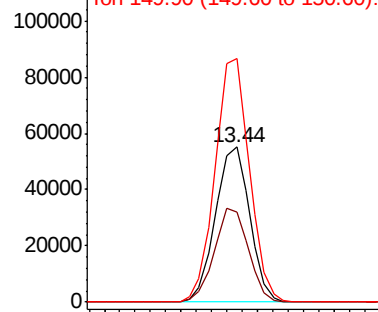


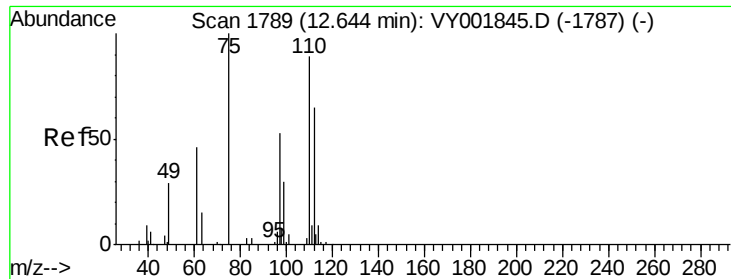
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001886.D
Acq: 05 Mar 2020 16:50

Tgt Ion:152 Resp: 85727
Ion Ratio Lower Upper
152 100
115 60.4 29.9 89.7
150 157.3 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: 49.136 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001886.D

Acq: 05 Mar 2020 16:50

Instrument :

MSVOA_Y

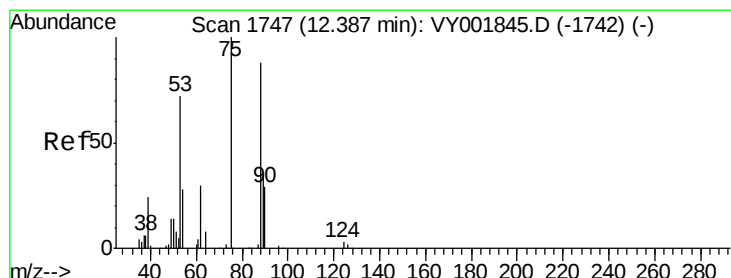
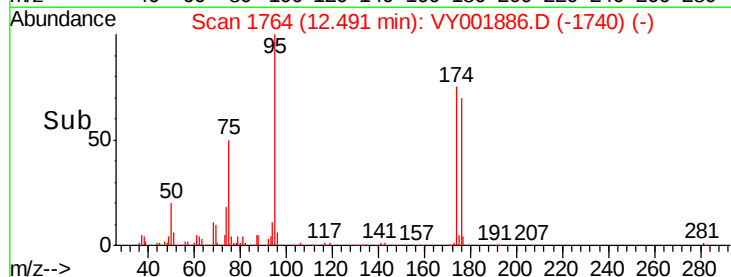
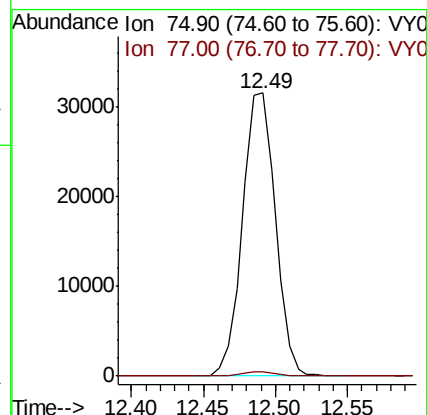
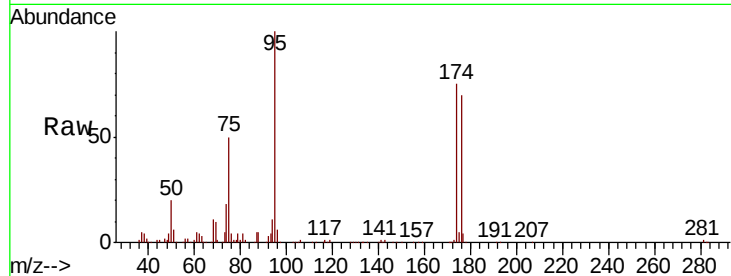
ClientSampleId :

Tot Ion: 75 Resp: 49982

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.253 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001886.D

Acq: 05 Mar 2020 16:50

Tgt Ion: 75 Resp: 49982

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

