

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001699.D
 Acq On : 19 Feb 2020 14:15
 Operator : SY/MD
 Sample : L1547-17
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 20 05:39:37 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	7.81	168	138304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	253045	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	214581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	80765	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	80093	53.84	ug/l	0.00
Spiked Amount						
						Recovery = 107.68%
35) Dibromofluoromethane	7.74	113	71981	49.67	ug/l	-0.01
Spiked Amount						Recovery = 99.34%
50) Toluene-d8	10.19	98	299955	52.83	ug/l	0.00
Spiked Amount						Recovery = 105.66%
62) 4-Bromofluorobenzene	12.49	95	90274	40.92	ug/l	0.00
Spiked Amount						Recovery = 81.84%

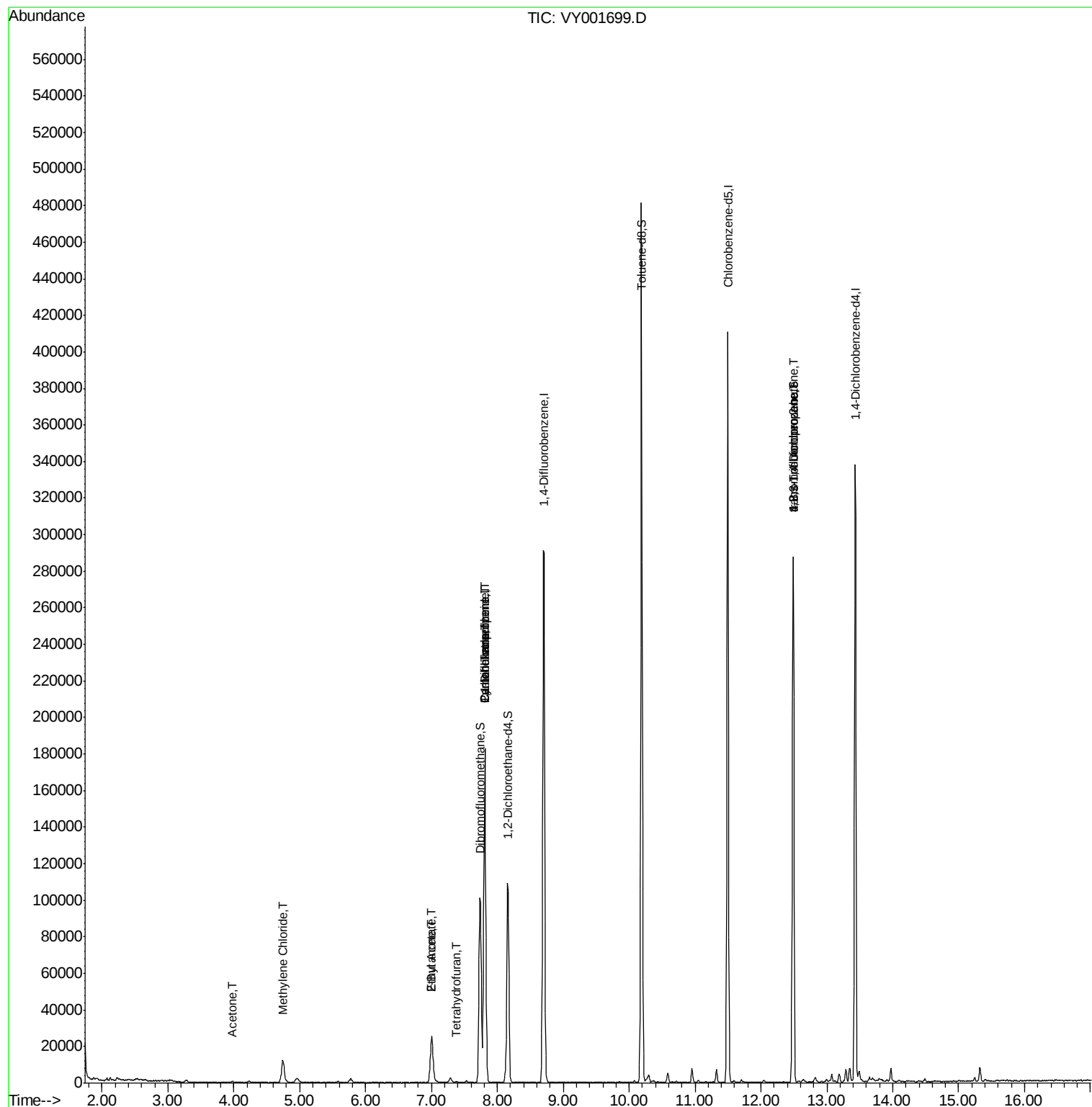
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	3131	Below Cal	#	74
16) Acetone	3.98	43	1166	2.265	ug/l	96
20) Methylene Chloride	4.74	84	8481	4.639	ug/l	93
25) 2-Butanone	7.00	43	1480	2.117	ug/l #	87
29) Tetrahydrofuran	7.37	42	496	1.174	ug/l #	66
31) Cyclohexane	7.80	56	3127	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11732	4.854	ug/l #	49
37) Ethyl Acetate	7.00	43	1480	1.026	ug/l #	1
38) Carbon Tetrachloride	7.81	117	13306	6.267	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	46970	50.697	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	46970	96.181	ug/l #	17

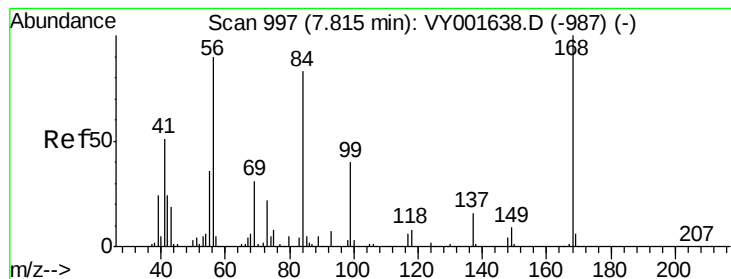
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
Data File : VY001699.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 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: VY001699.D

Acq: 19 Feb 2020 14:15

Instrument :

MSVOA_Y

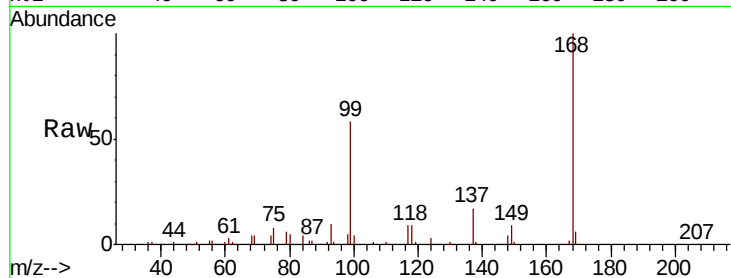
ClientSampled :

Tot Ion:168 Resp: 138304

Ion Ratio Lower Upper

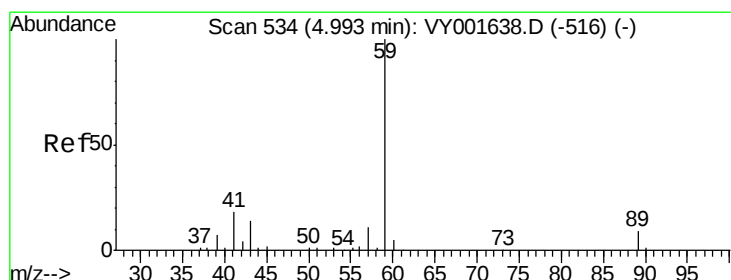
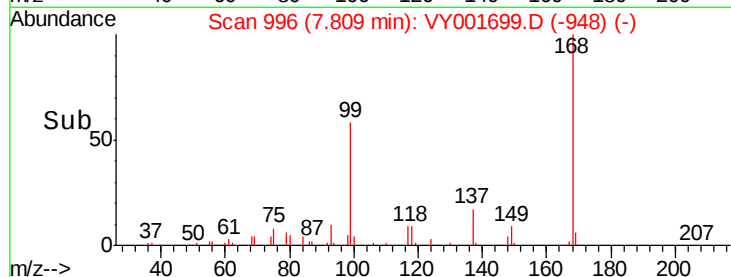
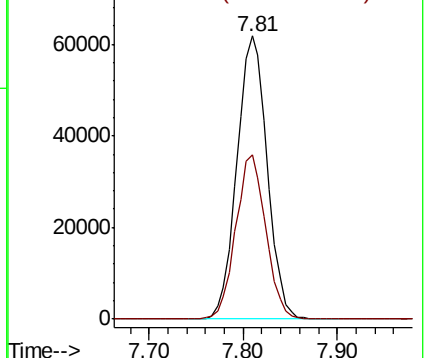
168 100

99 57.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001699.D

Ion 98.90 (98.60 to 99.60): VY001699.D



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.03 min

Lab File: VY001699.D

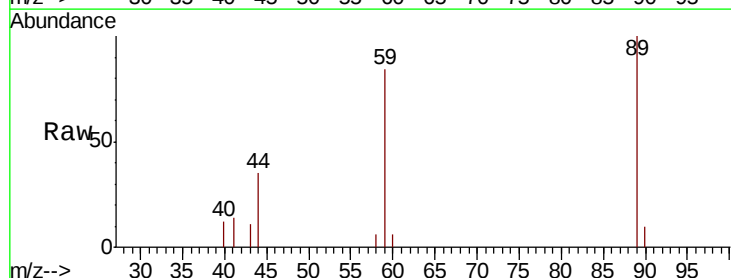
Acq: 19 Feb 2020 14:15

Tgt Ion: 59 Resp: 3131

Ion Ratio Lower Upper

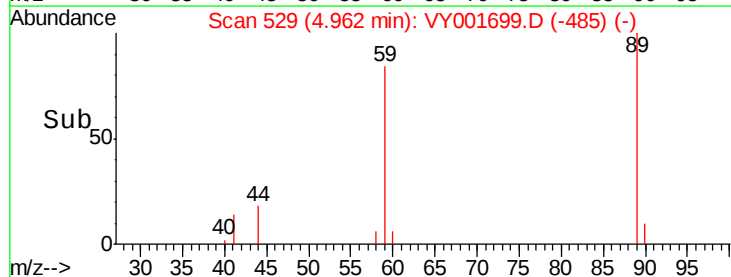
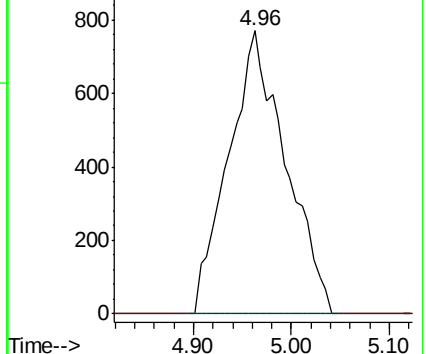
59 100

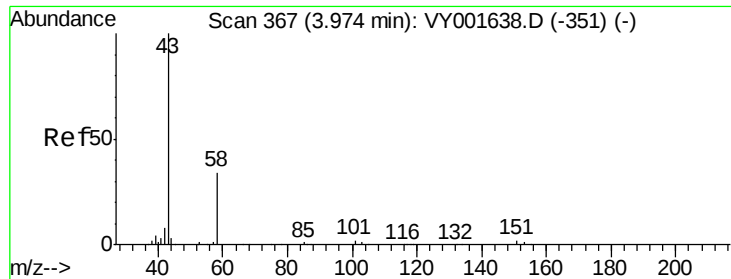
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001699.D

Ion 57.00 (56.70 to 57.70): VY001699.D





#16

Acetone

Concen: 2.265 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001699.D

Acq: 19 Feb 2020 14:15

Instrument :

MSVOA_Y

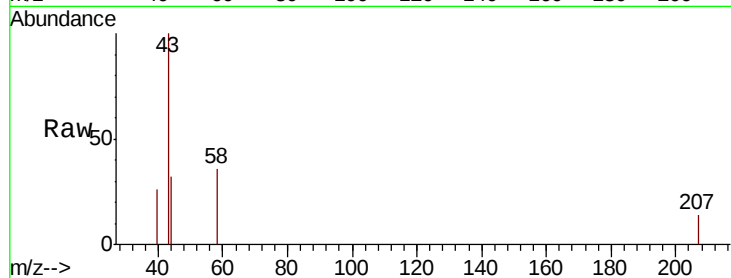
ClientSampleId :

Tot Ion: 43 Resp: 1166

Ion Ratio Lower Upper

43 100

58 36.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001699.D (-367) (-)

Ion 58.00 (57.70 to 58.70): VY001699.D (-367) (-)

3.98

400

300

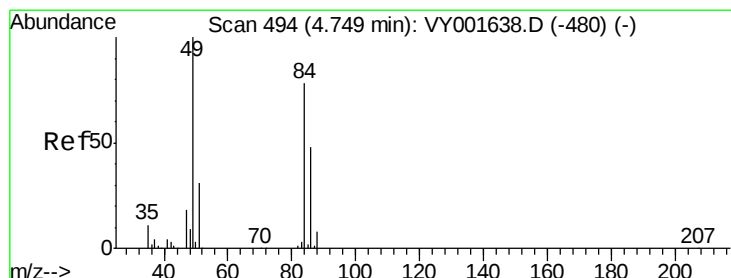
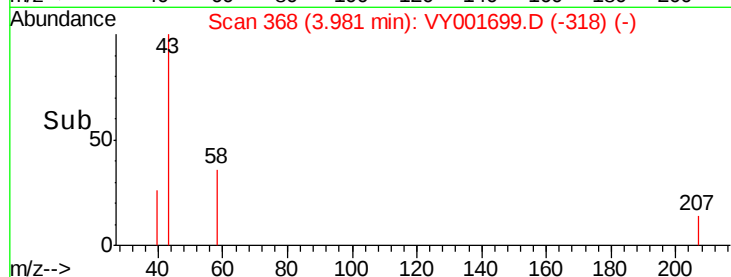
200

100

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 4.639 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001699.D

Acq: 19 Feb 2020 14:15

Tgt Ion: 84 Resp: 8481

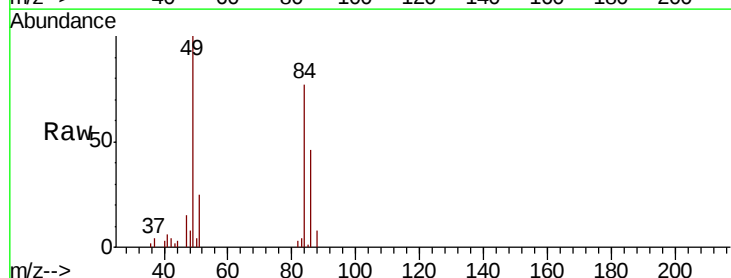
Ion Ratio Lower Upper

84 100

49 130.7 99.2 148.8

51 32.3 31.5 47.3

86 59.8 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001699.D (-494) (-)

Ion 48.90 (48.60 to 49.60): VY001699.D (-494) (-)

Ion 50.90 (50.60 to 51.60): VY001699.D (-494) (-)

Ion 85.90 (85.60 to 86.60): VY001699.D (-494) (-)

4.74

6000

5000

4000

3000

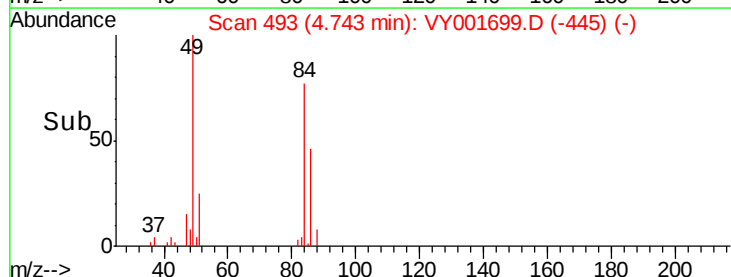
2000

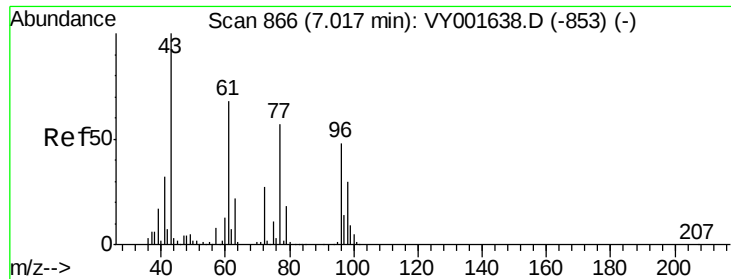
1000

0

Time-->

4.70 4.80

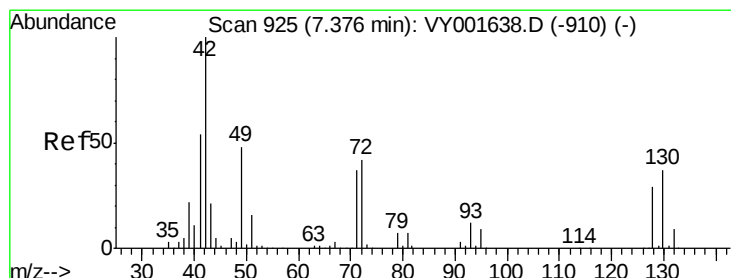
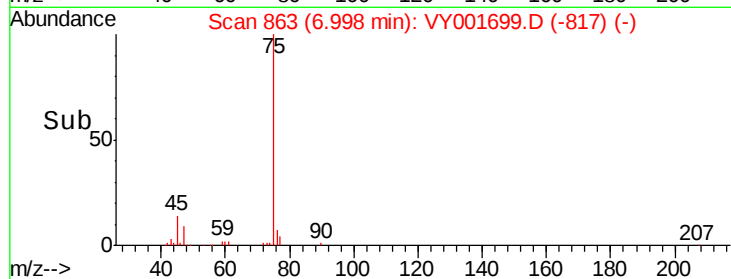
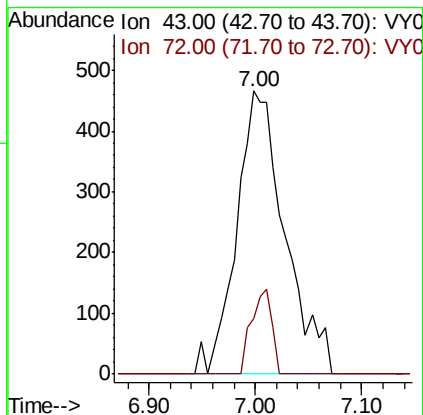
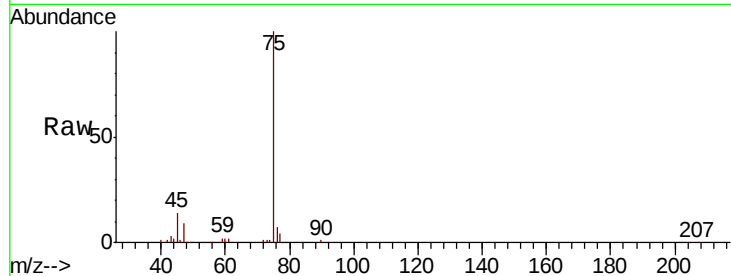




#25
2-Butanone
Concen: 2.117 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001699.D
Acq: 19 Feb 2020 14:15

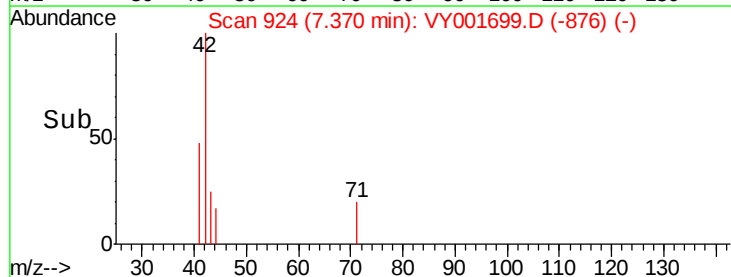
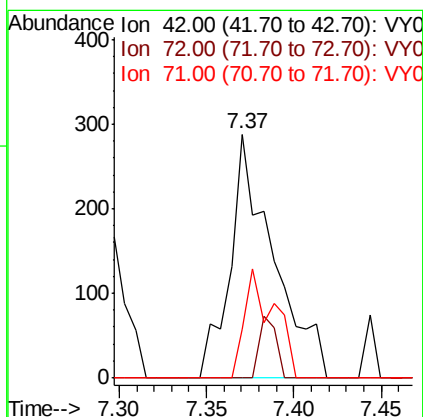
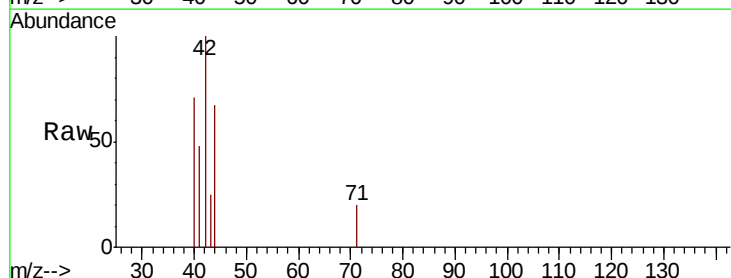
Instrument :
MSVOA_Y
ClientSampled :

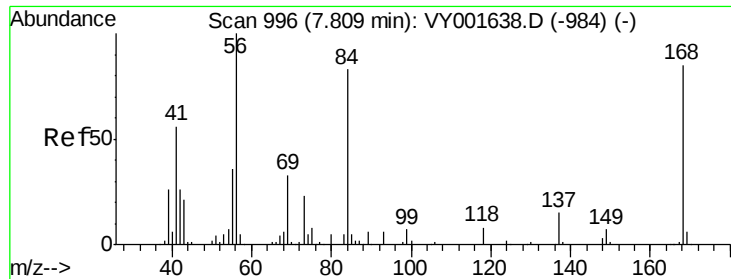
Tot Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
72 19.7 21.2 31.8#



#29
Tetrahydrofuran
Concen: 1.174 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001699.D
Acq: 19 Feb 2020 14:15

Tgt Ion: 42 Resp: 496
Ion Ratio Lower Upper
42 100
72 9.7 34.4 51.6#
71 30.6 31.8 47.8#

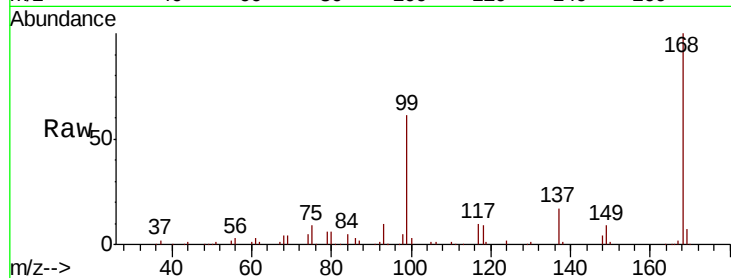




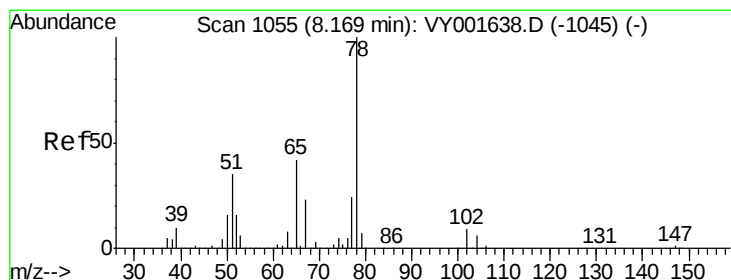
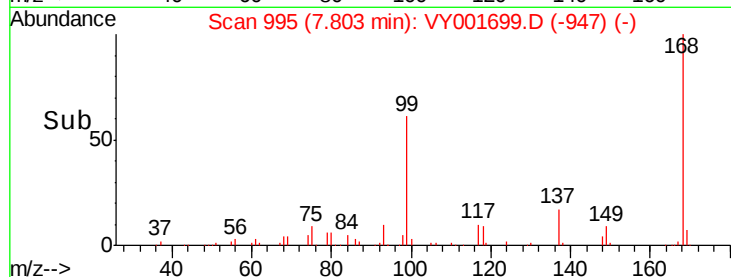
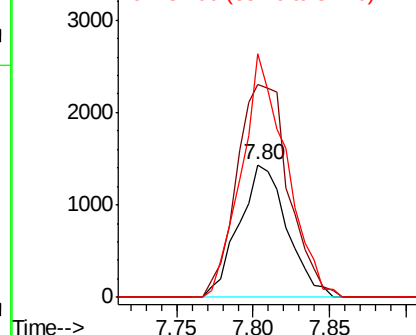
#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001699.D
Acq: 19 Feb 2020 14:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3127
Ion Ratio Lower Upper
56 100
69 160.5 25.1 37.7#
84 183.4 66.9 100.3#

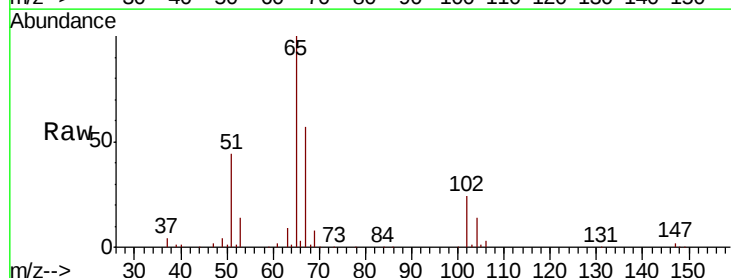


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

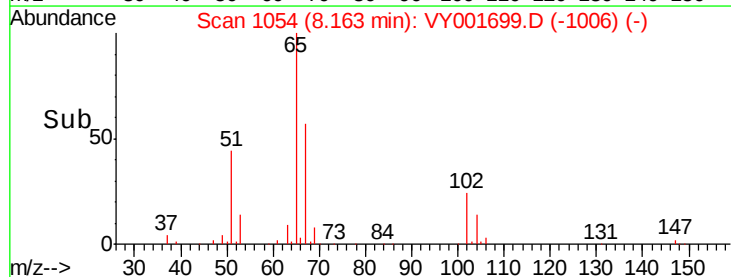
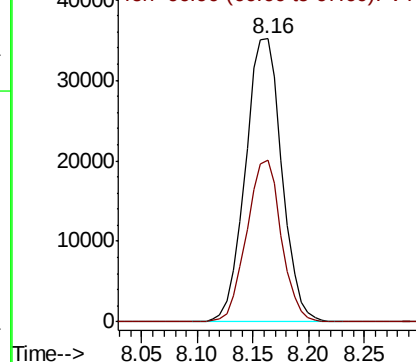


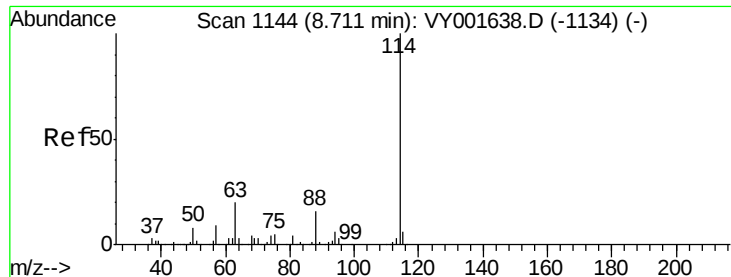
#33
1,2-Dichloroethane-d4
Concen: 53.838 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001699.D
Acq: 19 Feb 2020 14:15

Tgt Ion: 65 Resp: 80093
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.0



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

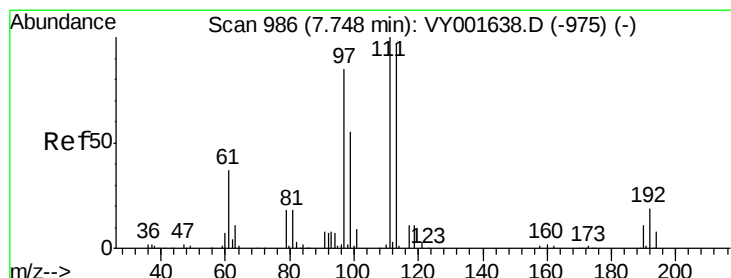
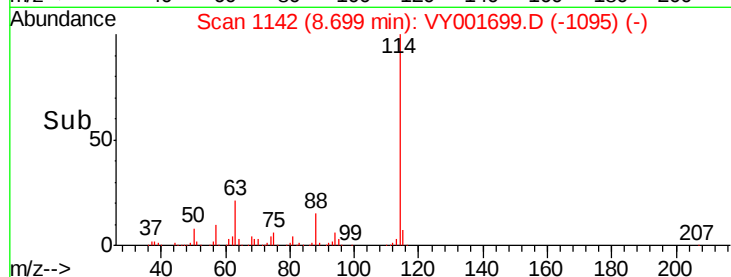
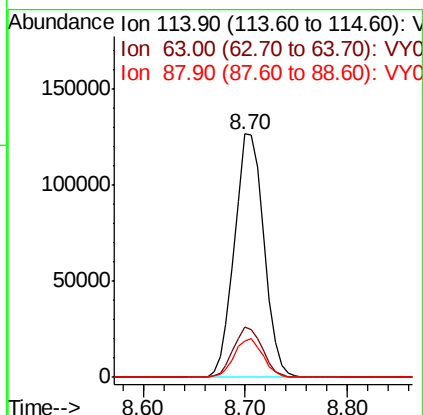
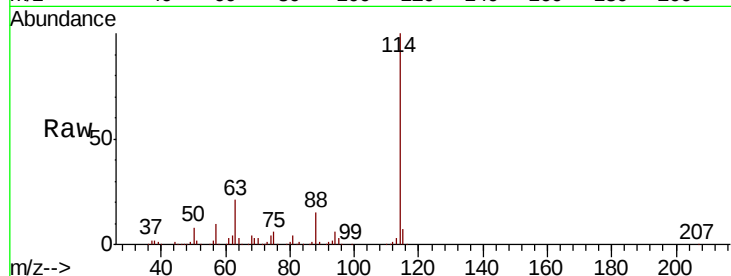




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001699.D
 Acq: 19 Feb 2020 14:15

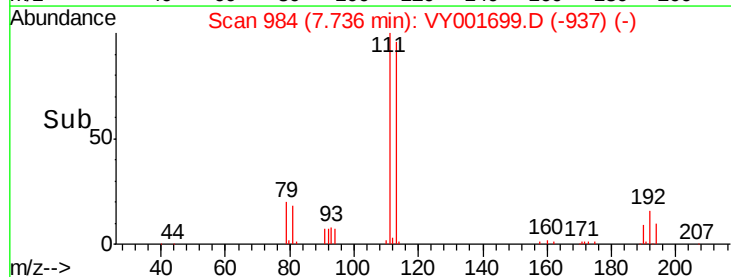
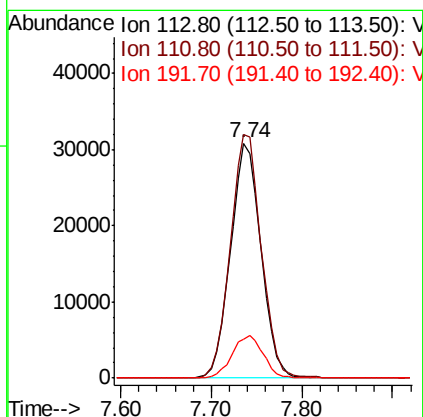
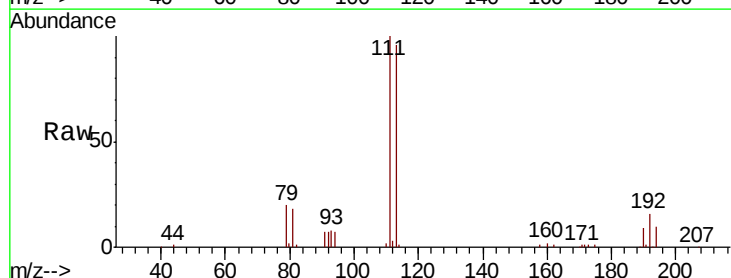
Instrument :
 MSVOA_Y
 ClientSampleId :

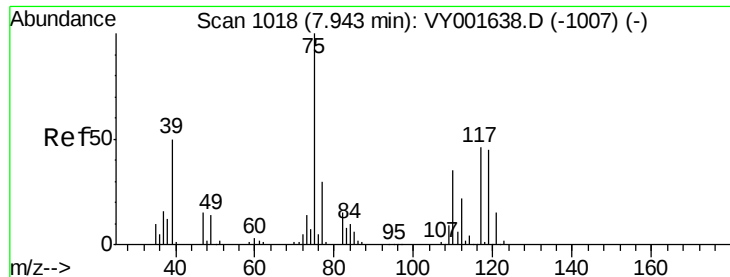
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.4
88	14.9	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 49.665 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001699.D
 Acq: 19 Feb 2020 14:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.9	122.9
192	18.5	14.3	21.5

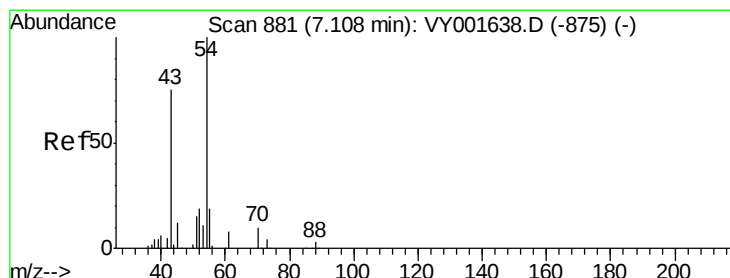
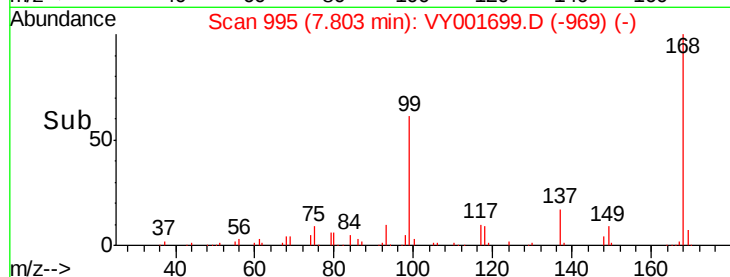
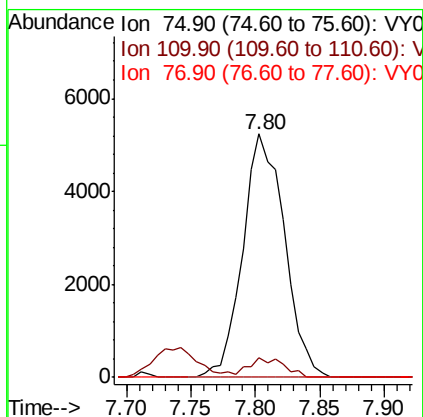
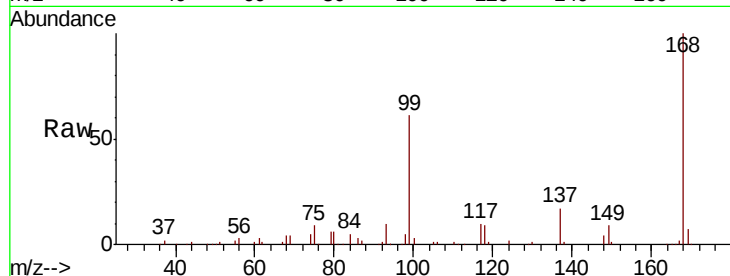




#36
 1,1-Dichloropropene
 Concen: 4.854 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001699.D
 Acq: 19 Feb 2020 14:15

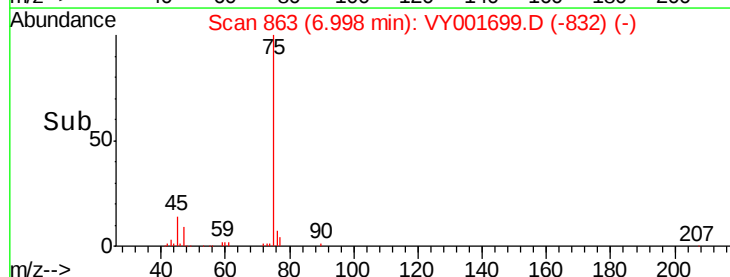
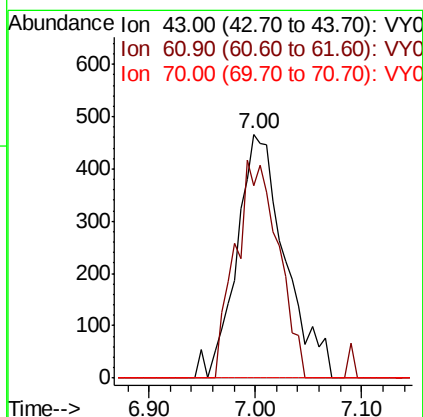
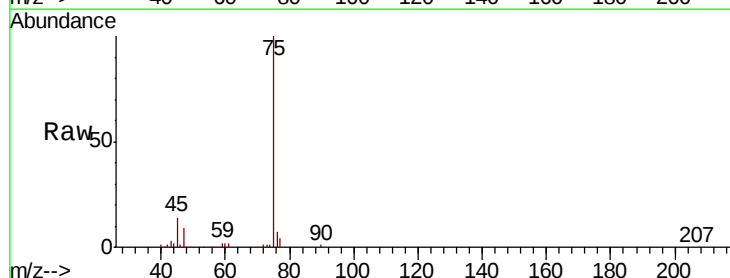
Instrument :
 MSVOA_Y
 ClientSampleId :

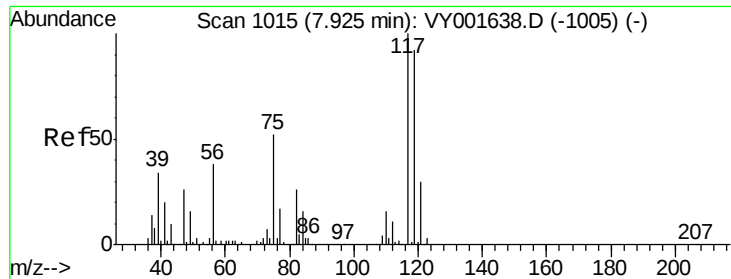
Tot Ion: 75 Resp: 11732
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.2 51.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 1.026 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.11 min
 Lab File: VY001699.D
 Acq: 19 Feb 2020 14:15

Tgt Ion: 43 Resp: 1480
 Ion Ratio Lower Upper
 43 100
 61 80.0 11.0 16.6#
 70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001699.D

Acq: 19 Feb 2020 14:15

Instrument :

MSVOA_Y

ClientSampled :

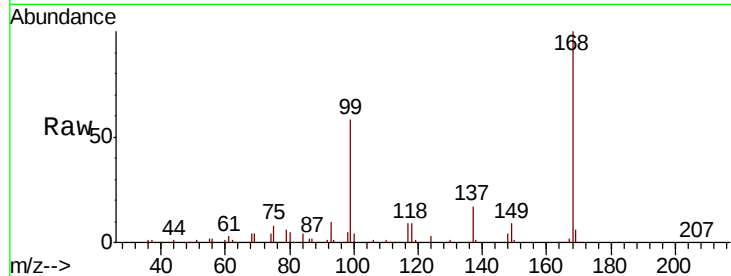
Tot Ion:117 Resp: 13306

Ion Ratio Lower Upper

117 100

119 6.8 74.8 112.2#

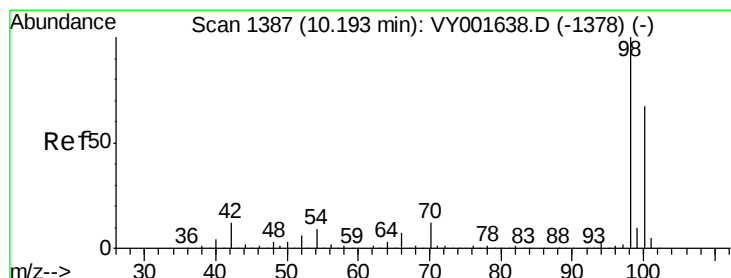
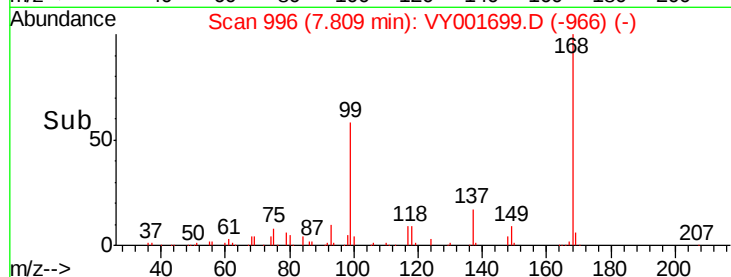
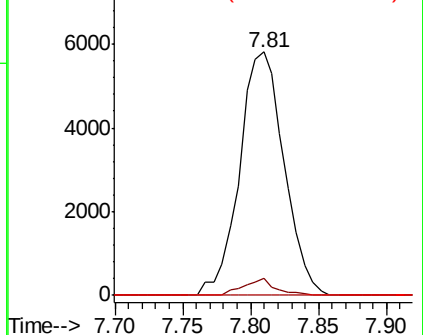
121 0.0 23.8 35.6#



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: 52.827 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001699.D

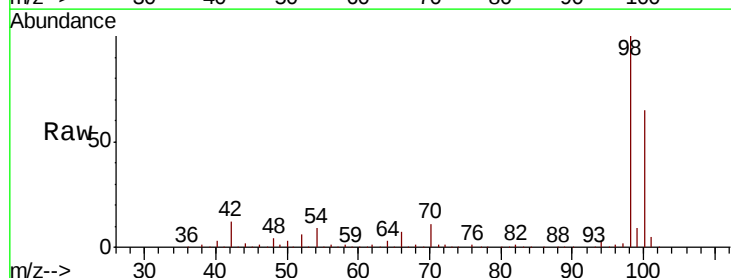
Acq: 19 Feb 2020 14:15

Tgt Ion: 98 Resp: 299955

Ion Ratio Lower Upper

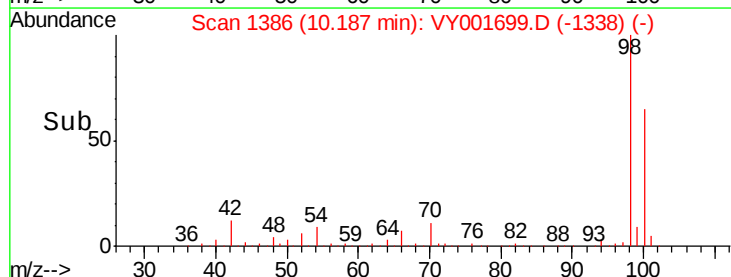
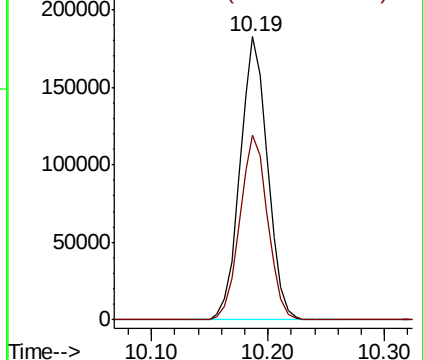
98 100

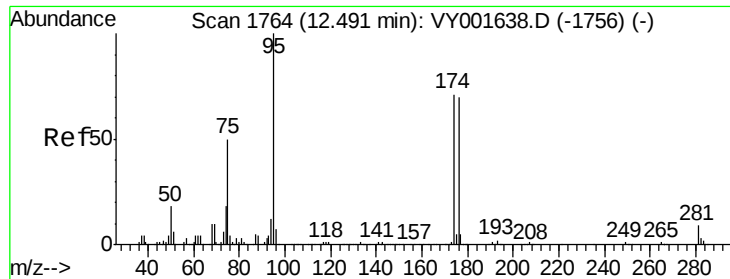
100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

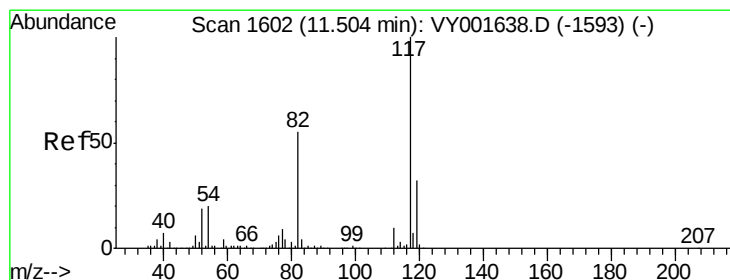
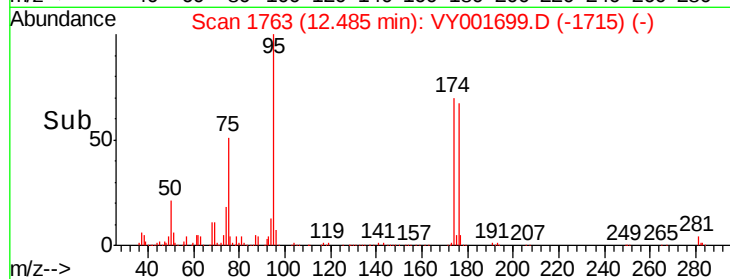
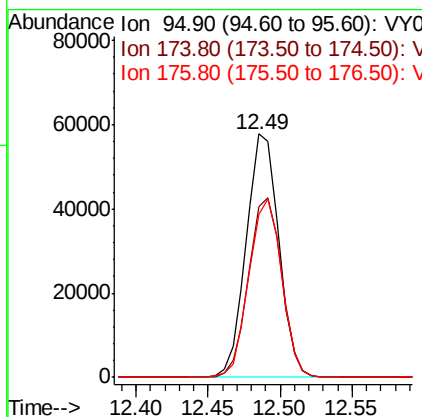
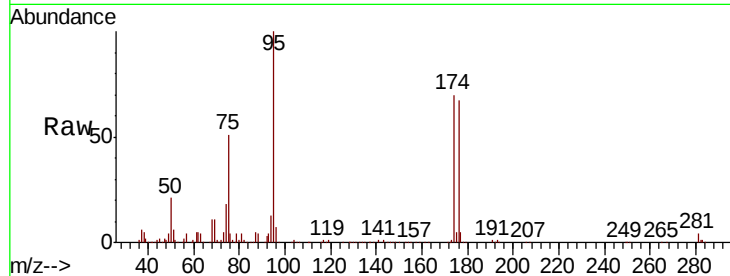




#62
4-Bromofluorobenzene
Concen: 40.924 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001699.D
Acq: 19 Feb 2020 14:15

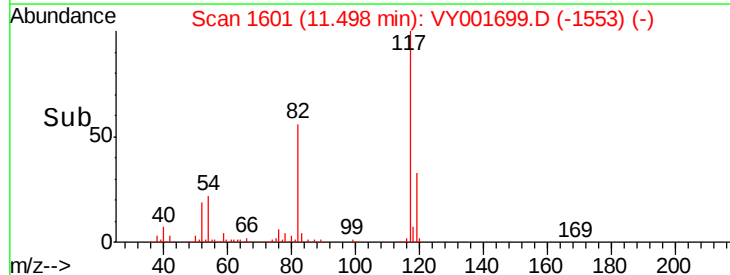
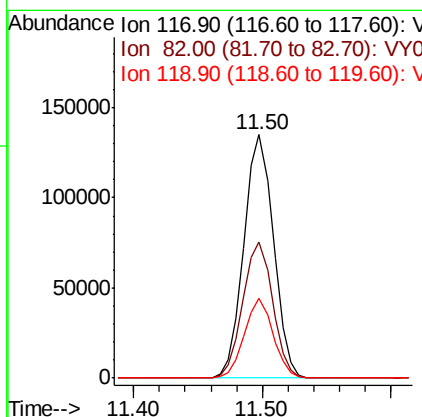
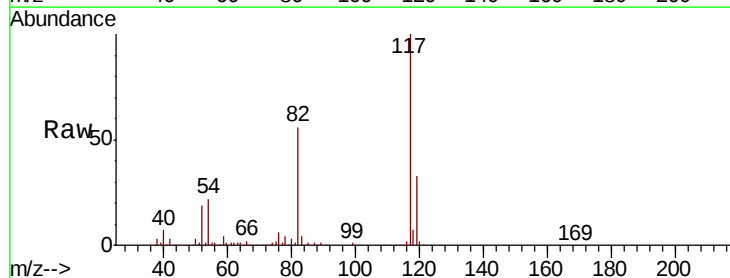
Instrument :
MSVOA_Y
ClientSampleId :

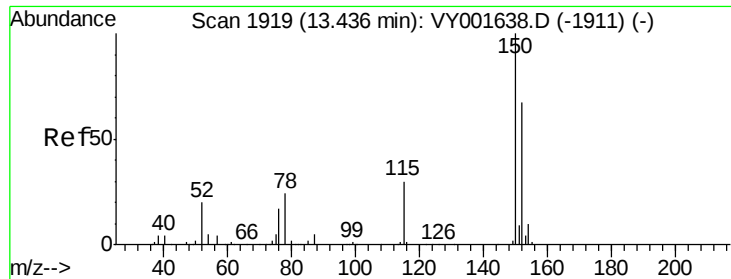
Tot Ion: 95 Resp: 90274
Ion Ratio Lower Upper
95 100
174 74.9 0.0 138.4
176 73.7 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001699.D
Acq: 19 Feb 2020 14:15

Tgt Ion: 117 Resp: 214581
Ion Ratio Lower Upper
117 100
82 55.8 45.5 68.3
119 32.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001699.D

Acq: 19 Feb 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

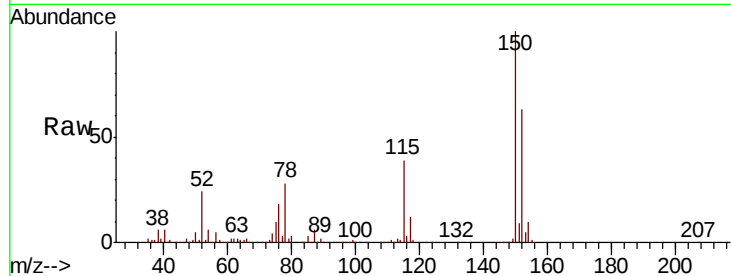
Tot Ion:152 Resp: 80765

Ion Ratio Lower Upper

152 100

115 61.7 31.4 94.2

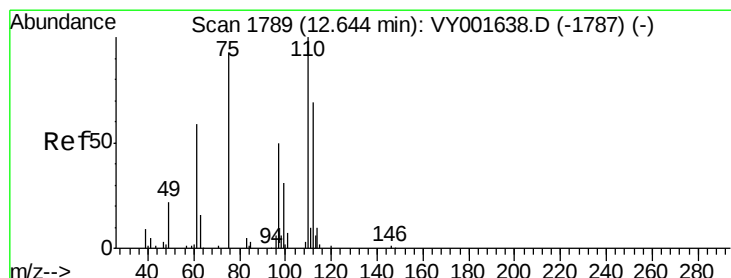
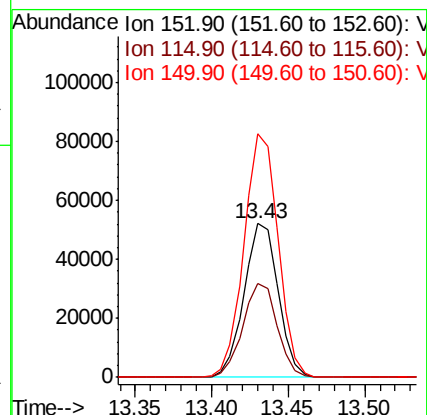
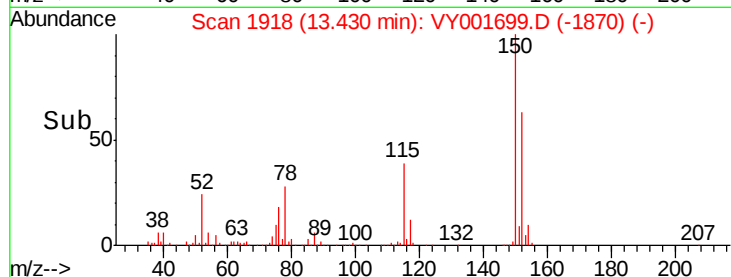
150 158.4 0.0 407.2



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: 50.697 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001699.D

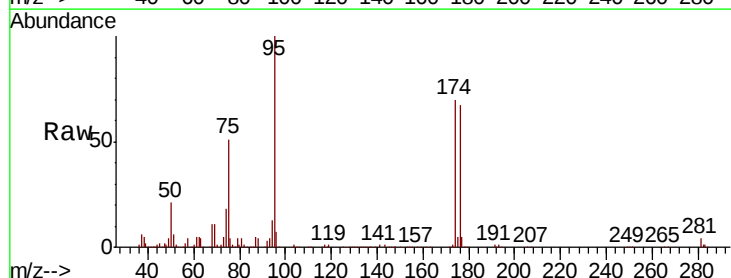
Acq: 19 Feb 2020 14:15

Tgt Ion: 75 Resp: 46970

Ion Ratio Lower Upper

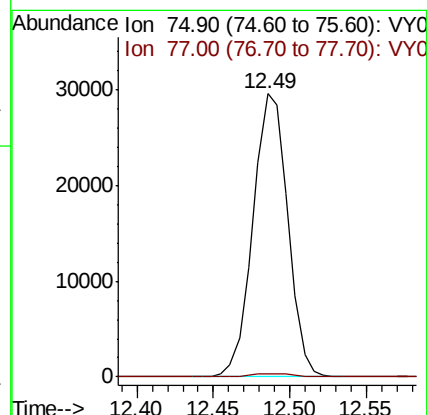
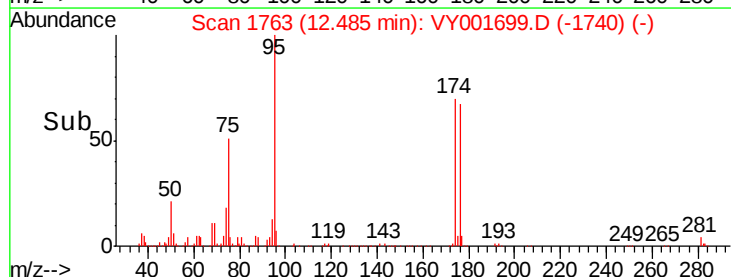
75 100

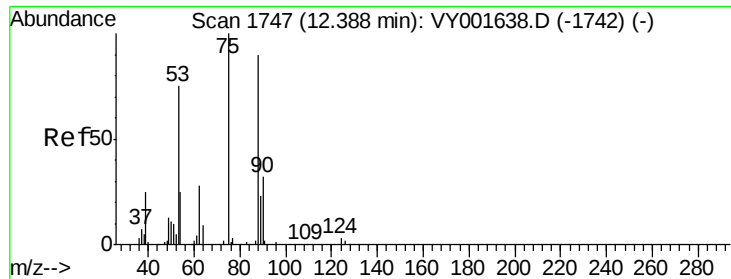
77 1.3 0.0 0.0#



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: 96.181 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001699.D

Acq: 19 Feb 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 46970

Ion Ratio Lower Upper

75 100

53 0.1 64.5 96.7#

89 0.0 36.3 54.5#

