

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002025.D
 Acq On : 19 Mar 2020 17:02
 Operator : SY/MD
 Sample : L1978-05RE
 Misc : 6.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 20 01:58:21 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	145216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	286077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	241353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	78669	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	86389	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	
35) Dibromofluoromethane	7.74	113	82791	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
50) Toluene-d8	10.19	98	342734	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.49	95	98772	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	

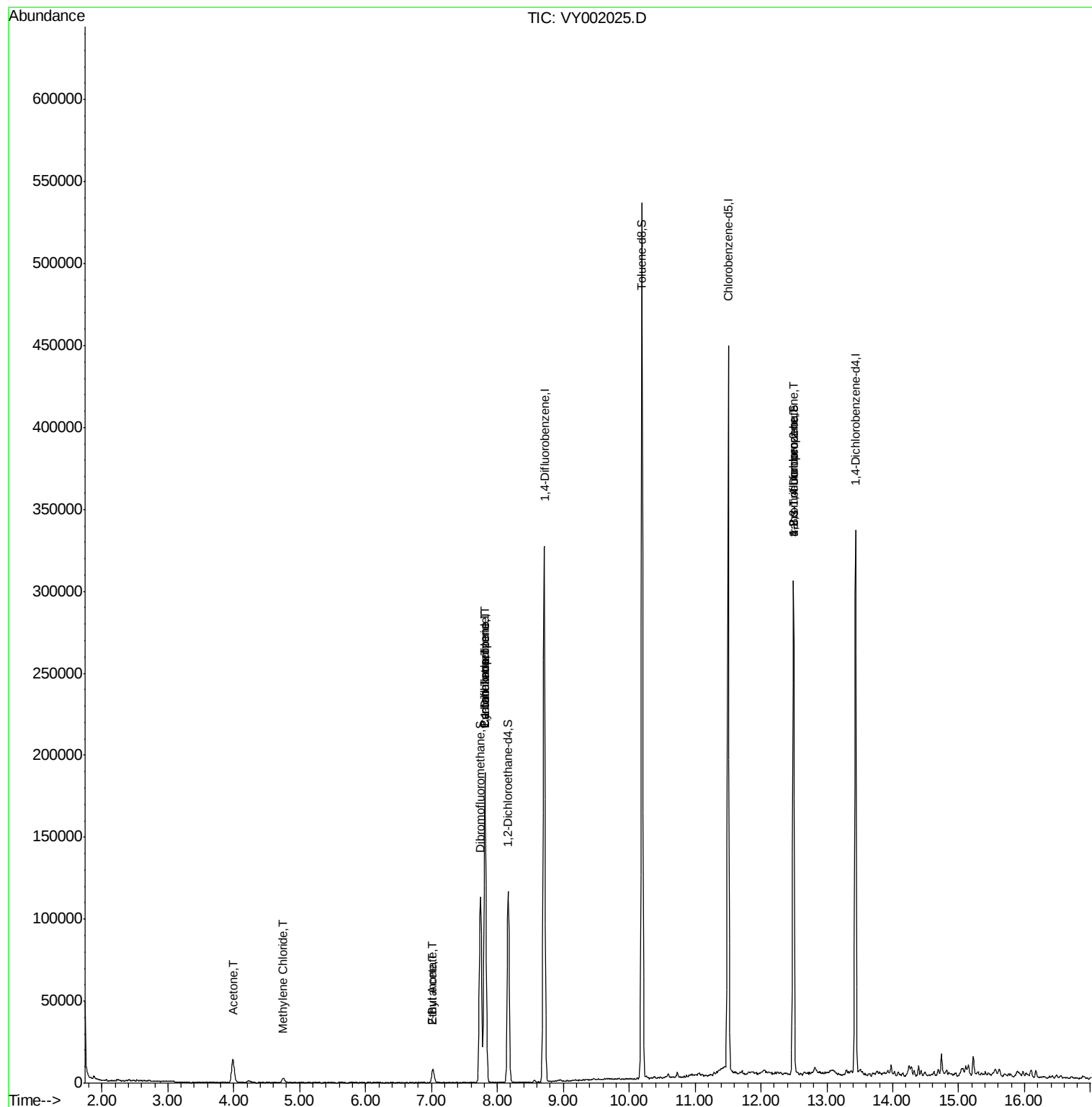
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	23	Below Cal	#	74
16) Acetone	3.99	43	27497	60.897	ug/l	97
20) Methylene Chloride	4.74	84	2222	1.148	ug/l	91
25) 2-Butanone	7.02	43	12092	17.610	ug/l	96
31) Cyclohexane	7.82	56	3521	1.034	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12165	4.419	ug/l #	50
37) Ethyl Acetate	7.02	43	12092	7.557	ug/l #	76
38) Carbon Tetrachloride	7.82	117	14375	6.113	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	49433	52.957	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49433	106.970	ug/l #	17

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

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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: VY002025.D

Acq: 19 Mar 2020 17:02

Instrument :

MSVOA_Y

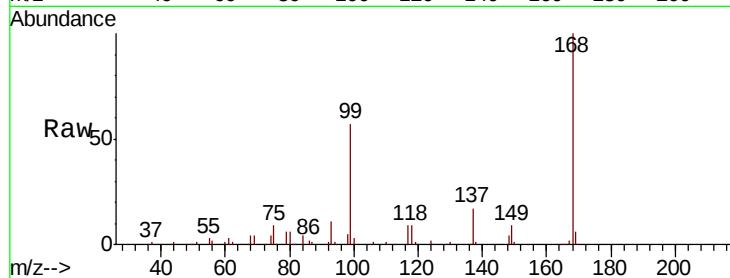
ClientSampled :

Tot Ion:168 Resp: 145216

Ion Ratio Lower Upper

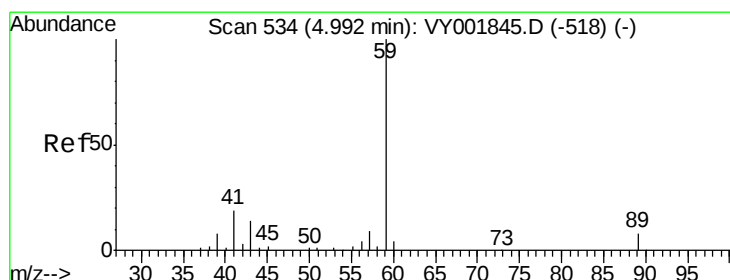
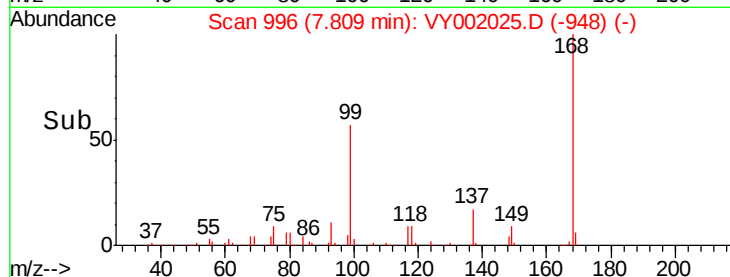
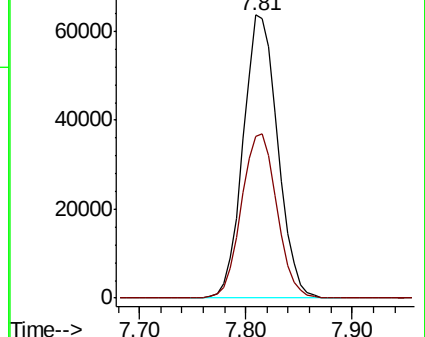
168 100

99 57.1 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY002025.D

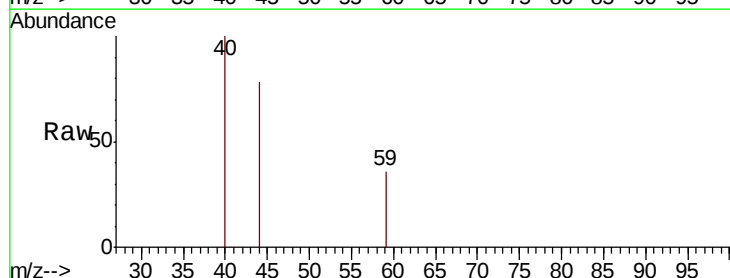
Acq: 19 Mar 2020 17:02

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

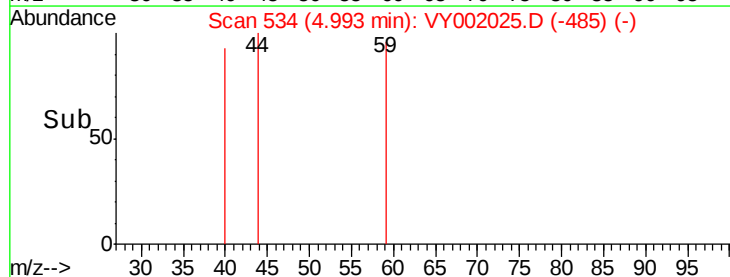
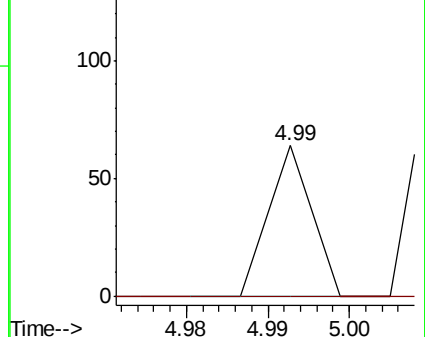
59 100

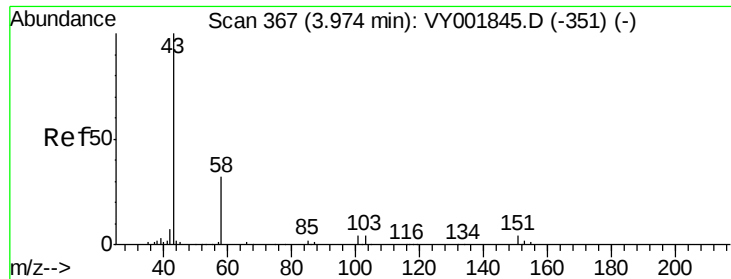
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 60.897 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

Instrument :

MSVOA_Y

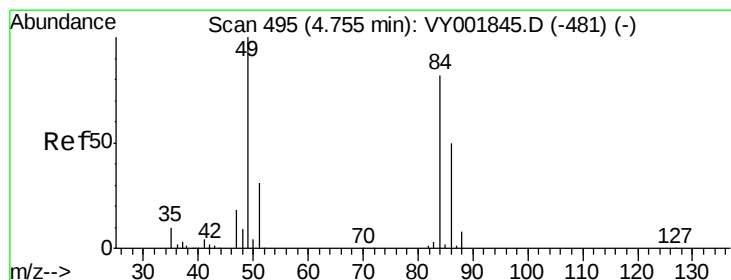
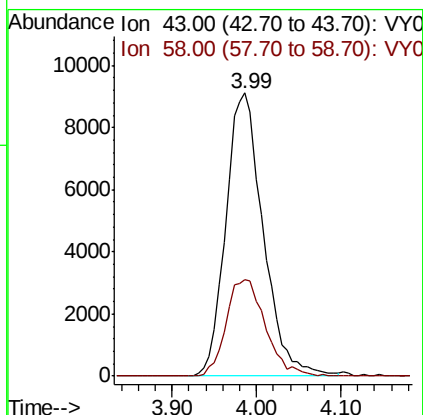
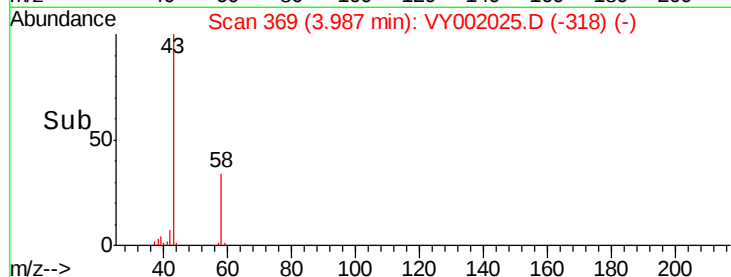
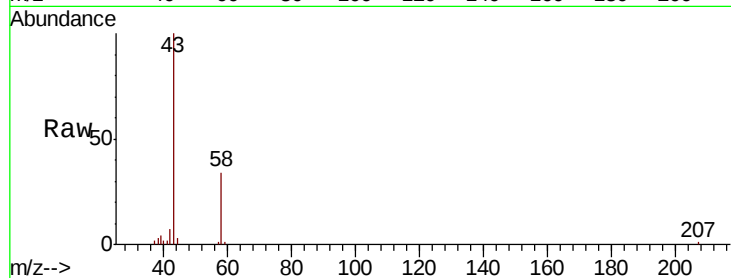
ClientSampled :

Tot Ion: 43 Resp: 27497

Ion Ratio Lower Upper

43 100

58 34.0 25.9 38.9



#20

Methylene Chloride

Concen: 1.148 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

Tgt Ion: 84 Resp: 2222

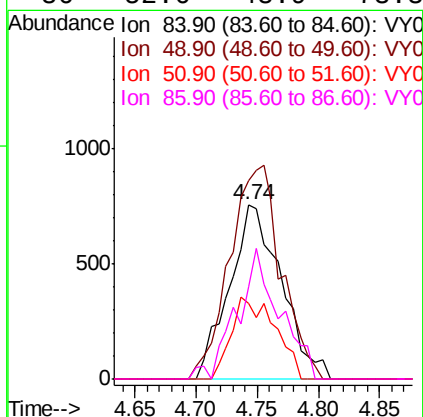
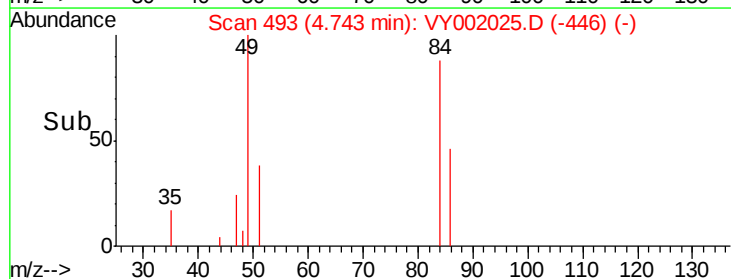
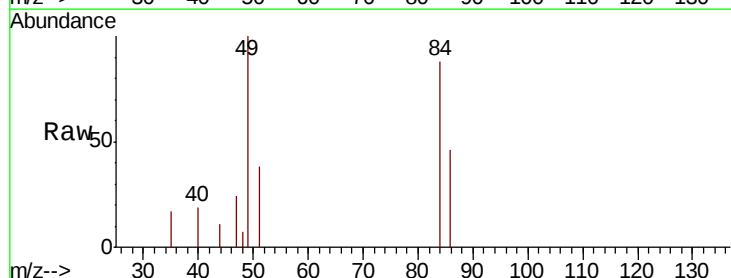
Ion Ratio Lower Upper

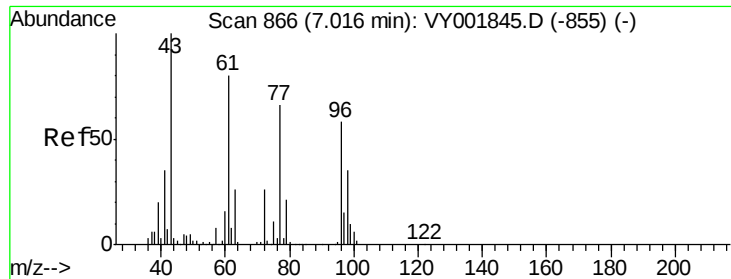
84 100

49 113.9 98.2 147.2

51 43.6 30.2 45.2

86 52.6 48.9 73.3





#25

2-Butanone

Concen: 17.610 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

Instrument :

MSVOA_Y

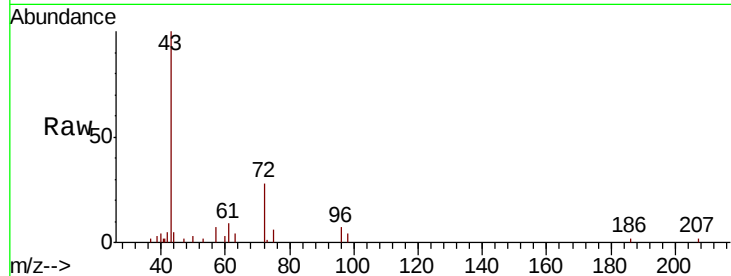
ClientSampleId :

Tot Ion: 43 Resp: 12092

Ion Ratio Lower Upper

43 100

72 28.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.02

4000

3000

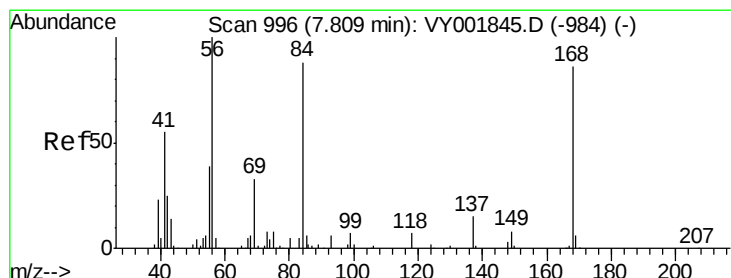
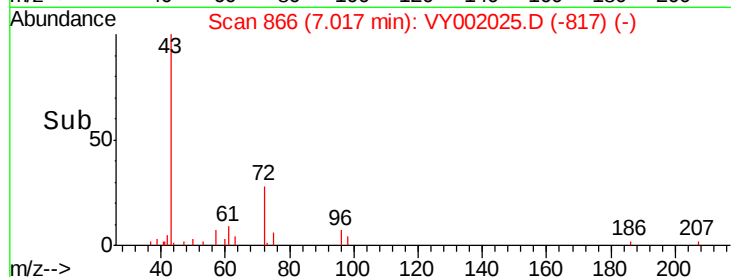
2000

1000

0

6.90 7.00 7.10

Time-->



#31

Cyclohexane

Concen: 1.034 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

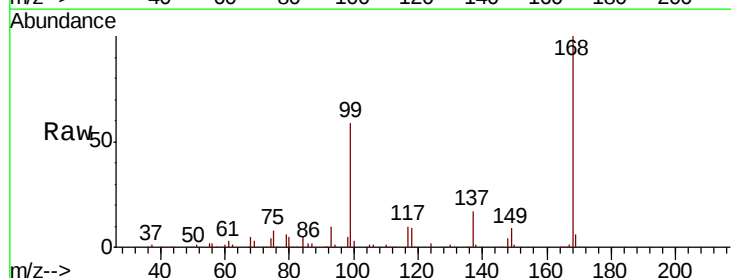
Tgt Ion: 56 Resp: 3521

Ion Ratio Lower Upper

56 100

69 148.0 26.7 40.1#

84 190.8 70.4 105.6#



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

3000

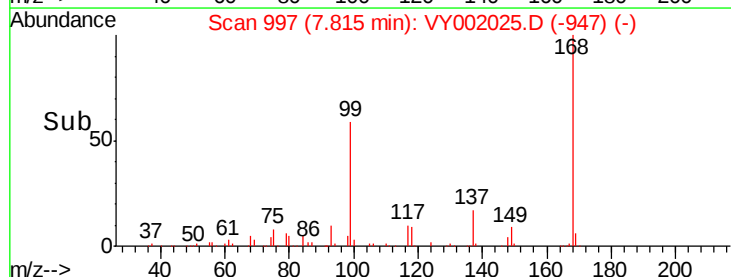
2000

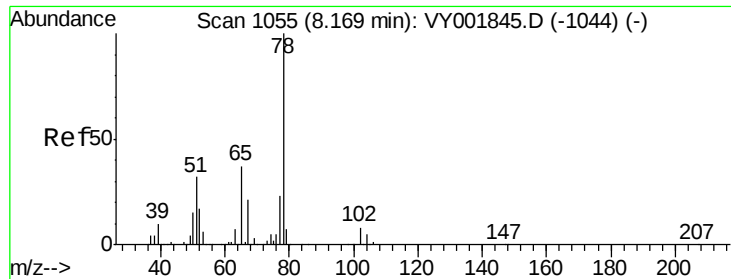
1000

0

7.75 7.80 7.85 7.90

Time-->

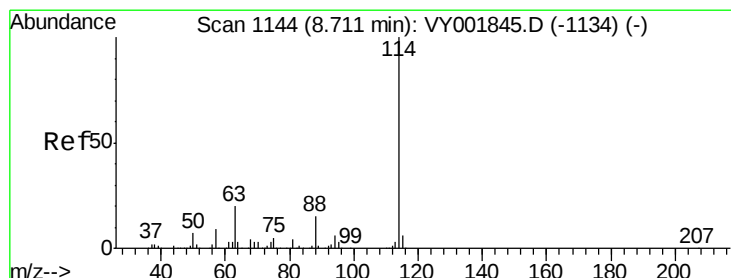
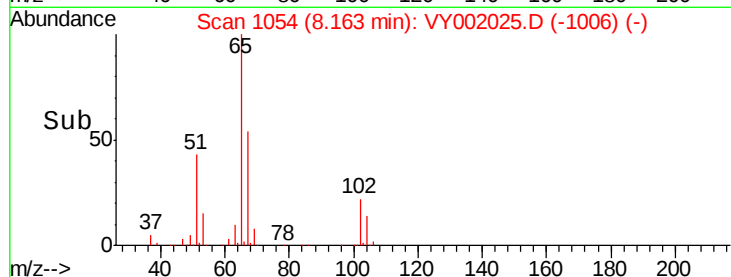
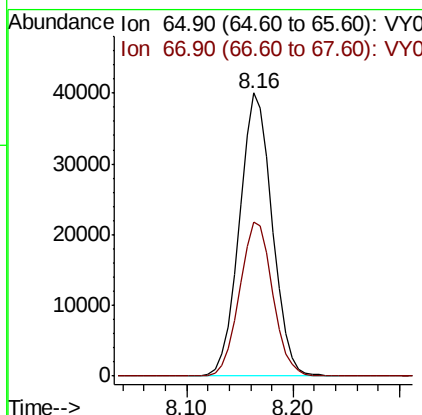
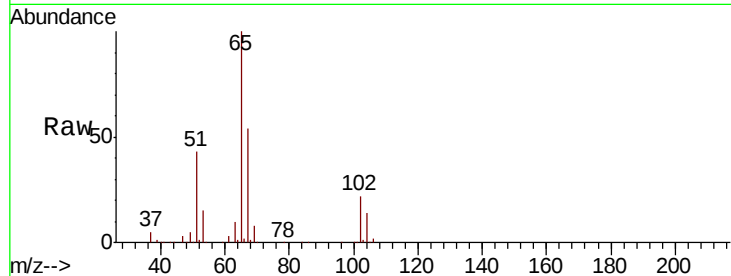




#33
 1,2-Dichloroethane-d4
 Concen: 55.725 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002025.D
 Acq: 19 Mar 2020 17:02

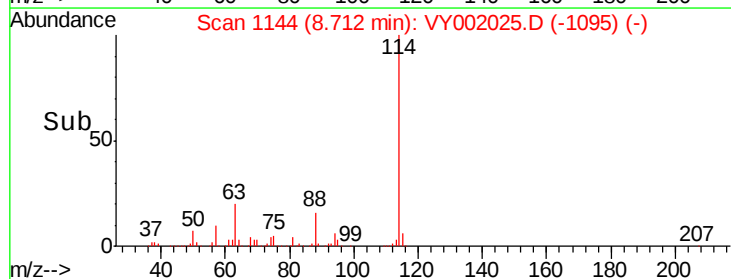
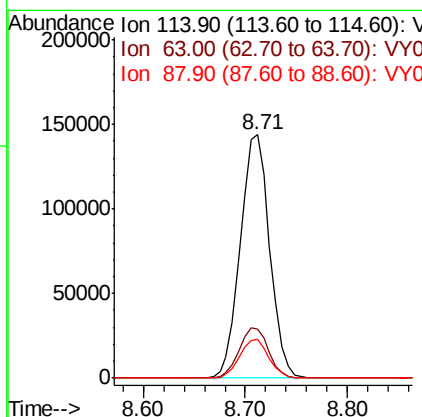
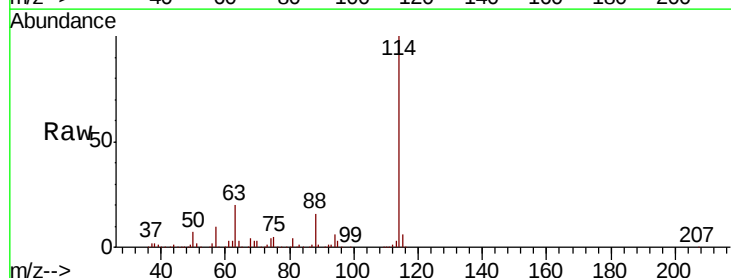
Instrument :
 MSVOA_Y
 ClientSampleId :

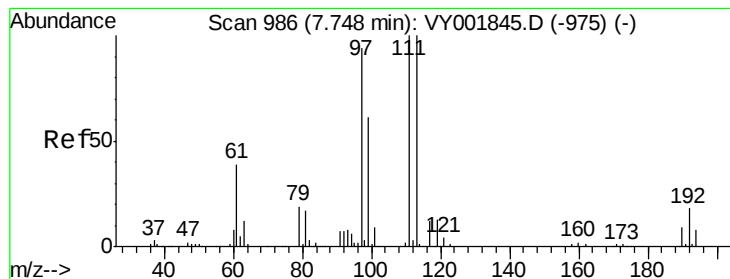
Tot Ion: 65 Resp: 86389
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002025.D
 Acq: 19 Mar 2020 17:02

Tgt Ion: 114 Resp: 286077
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 16.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.999 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

Instrument :

MSVOA_Y

ClientSampleId :

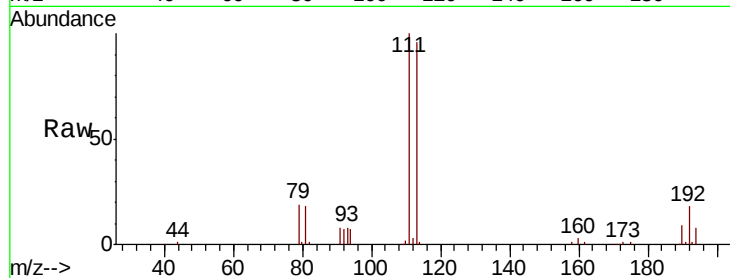
Tot Ion:113 Resp: 82791

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

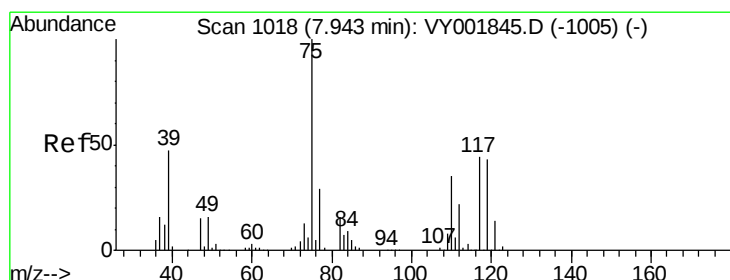
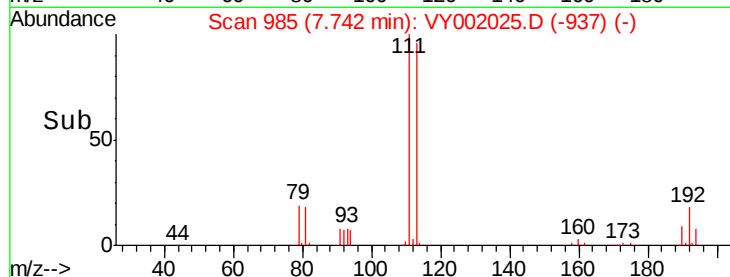
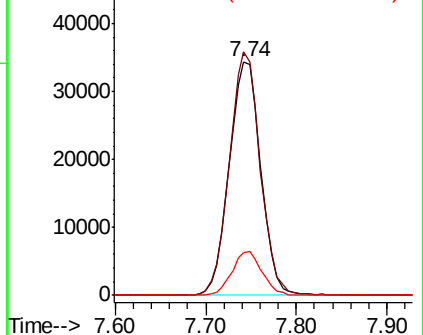
192 17.8 14.2 21.2



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: 4.419 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

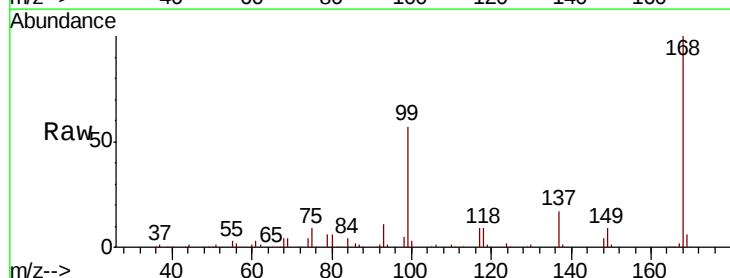
Tgt Ion: 75 Resp: 12165

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.2#

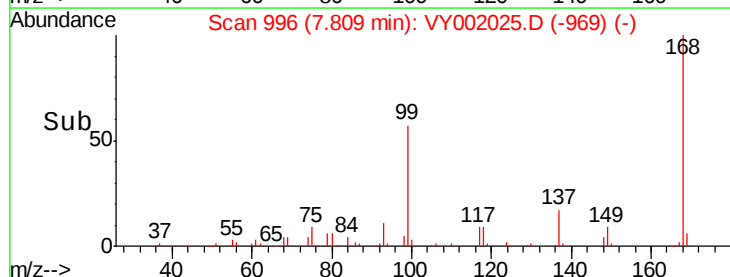
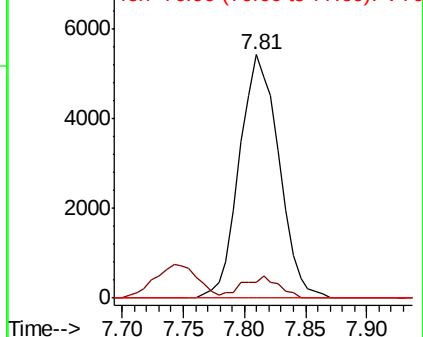
77 0.0 24.2 36.2#

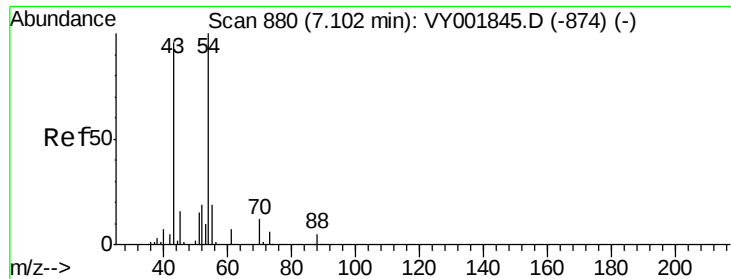


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

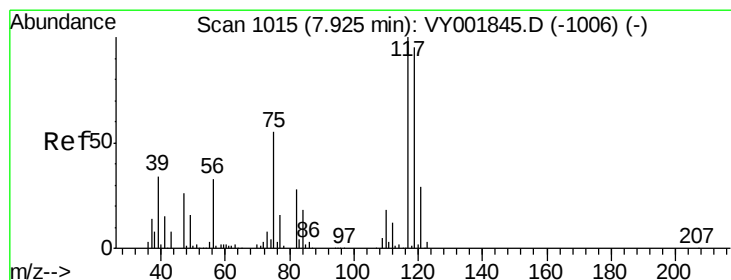
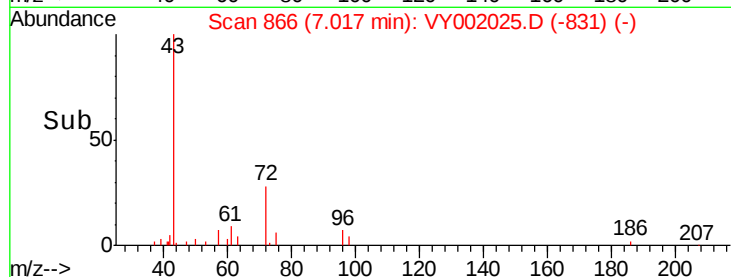
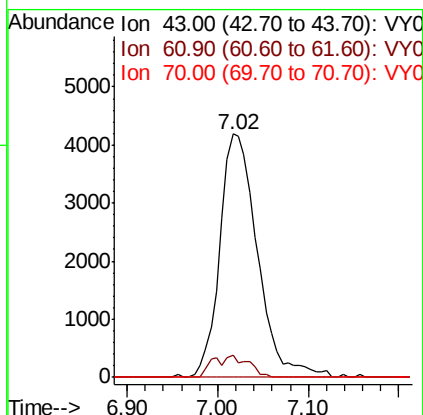
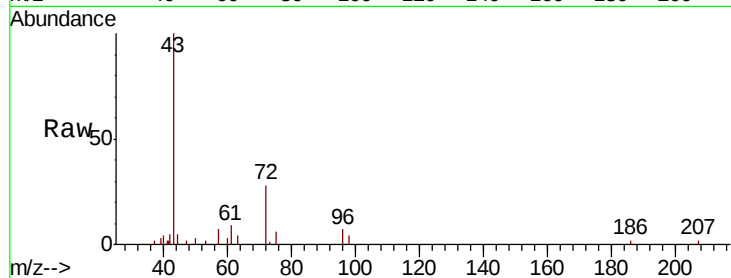




#37
Ethyl Acetate
Concen: 7.557 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.09 min
Lab File: VY002025.D
Acq: 19 Mar 2020 17:02

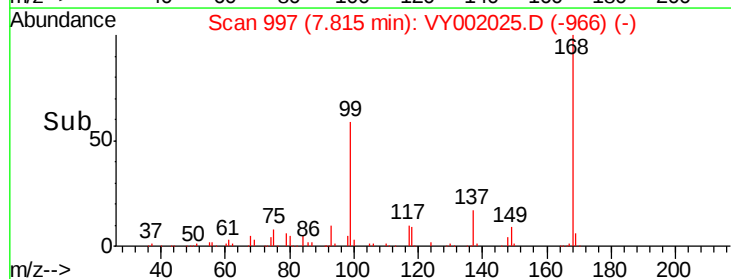
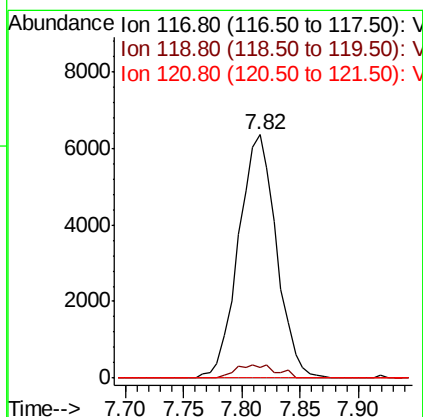
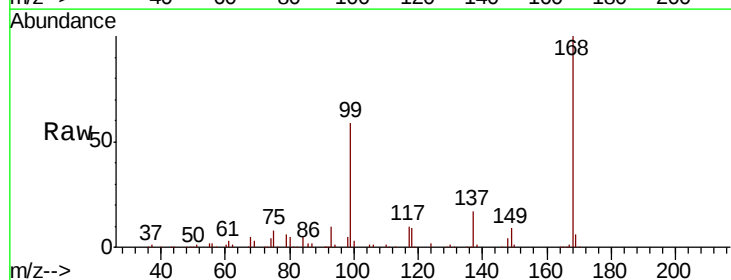
Instrument :
MSVOA_Y
ClientSampled :

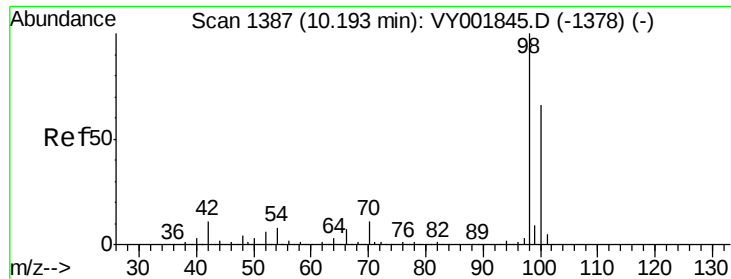
Tot Ion: 43 Resp: 12092
Ion Ratio Lower Upper
43 100
61 5.5 11.1 16.7#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.113 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY002025.D
Acq: 19 Mar 2020 17:02

Tgt Ion: 117 Resp: 14375
Ion Ratio Lower Upper
117 100
119 4.4 76.3 114.5#
121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.031 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

Instrument :

MSVOA_Y

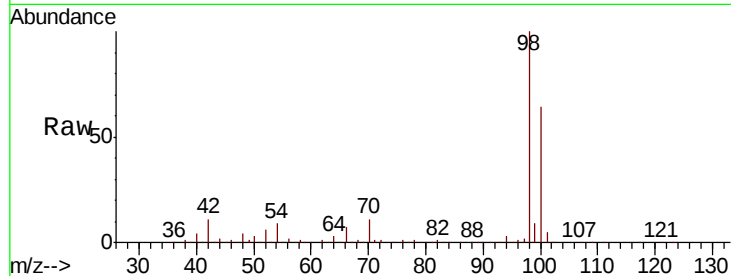
ClientSampleId :

Tot Ion: 98 Resp: 342734

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

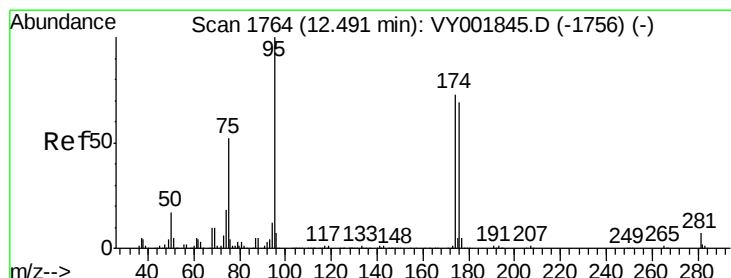
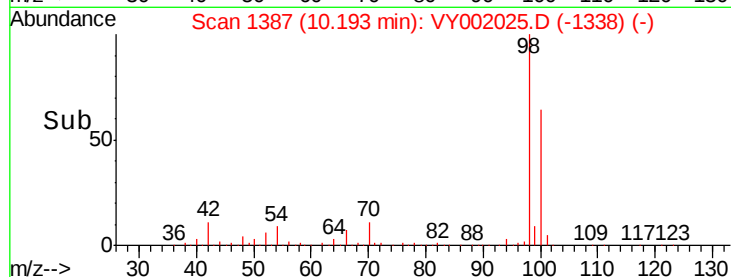
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.124 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

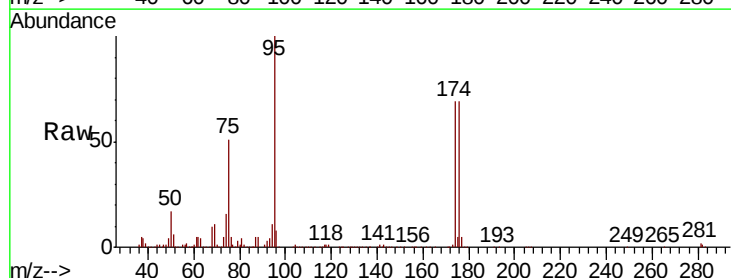
Tgt Ion: 95 Resp: 98772

Ion Ratio Lower Upper

95 100

174 70.6 0.0 145.0

176 68.4 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

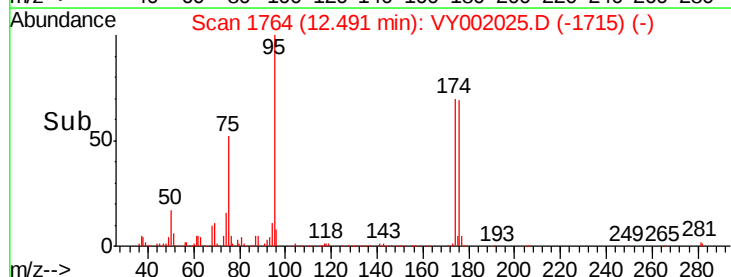
60000

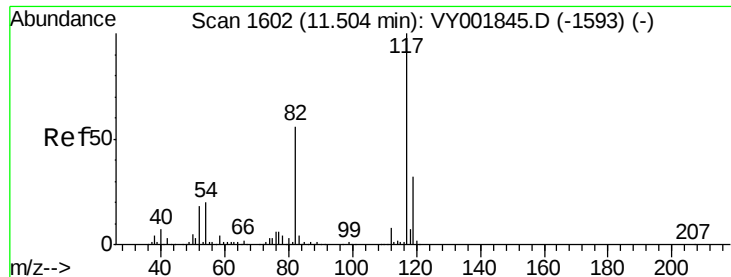
40000

20000

0

Time-->

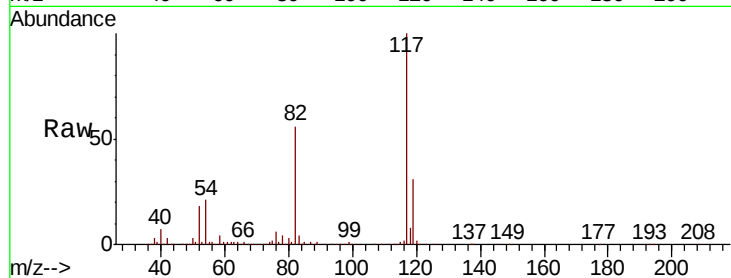




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002025.D
Acq: 19 Mar 2020 17:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.5	66.7
119	31.4	25.7	38.5

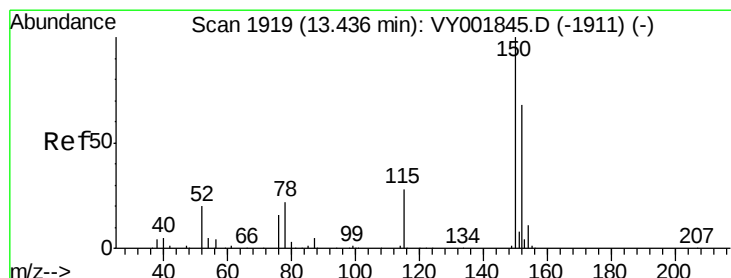
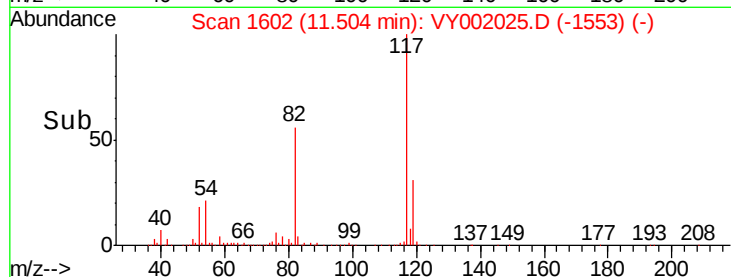
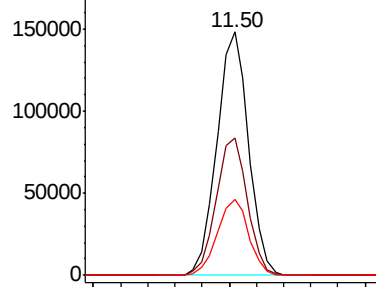


Abundance

Ion 116.90 (116.60 to 117.60): V

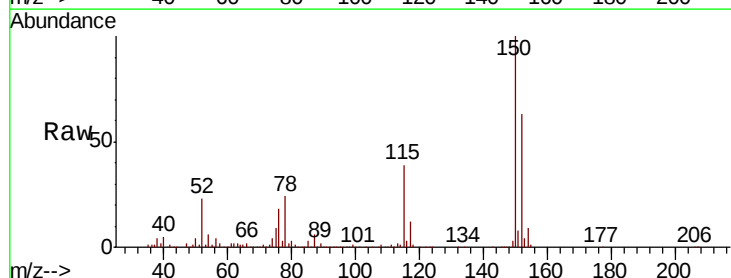
Ion 82.00 (81.70 to 82.70): VY0

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: VY002025.D
Acq: 19 Mar 2020 17:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	29.9	89.7
150	157.2	0.0	340.6

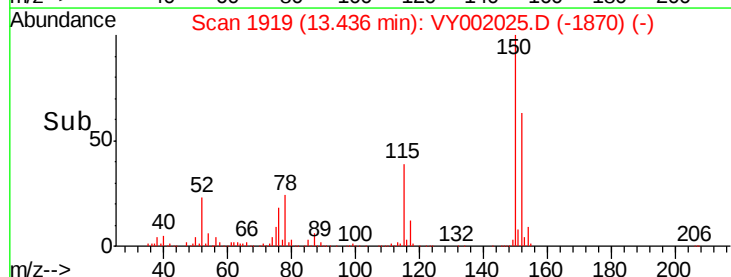
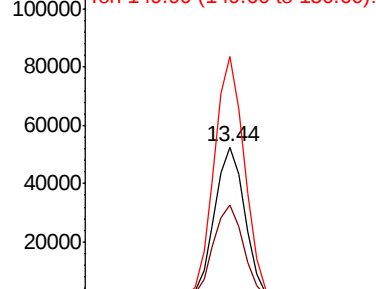


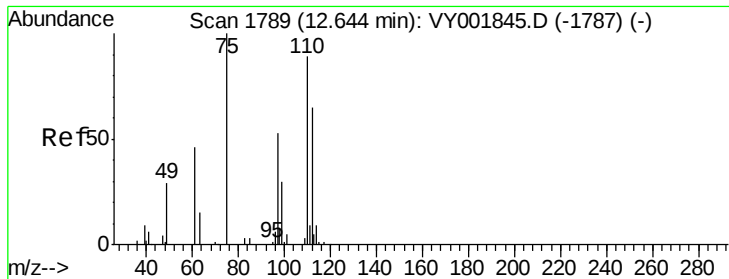
Abundance

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: 52.957 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

Instrument :

MSVOA_Y

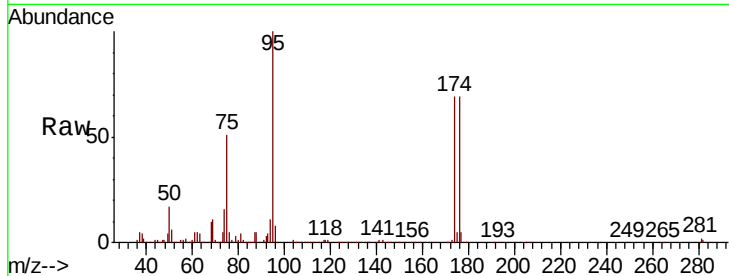
ClientSampleId :

Tot Ion: 75 Resp: 49433

Ion Ratio Lower Upper

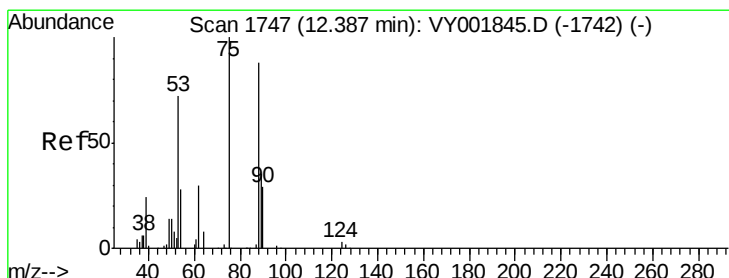
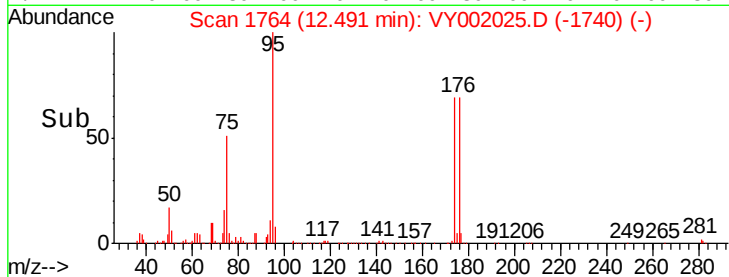
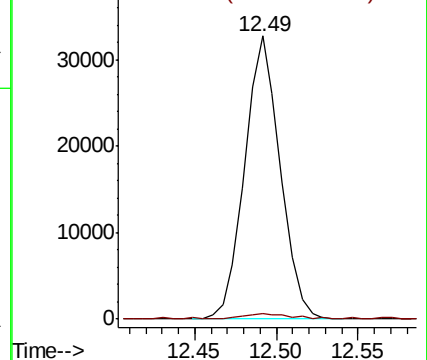
75 100

77 2.7 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: 106.970 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002025.D

Acq: 19 Mar 2020 17:02

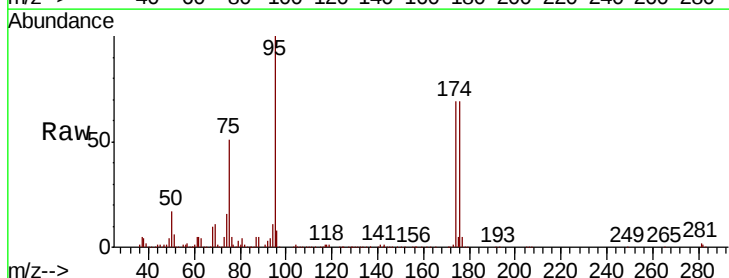
Tgt Ion: 75 Resp: 49433

Ion Ratio Lower Upper

75 100

53 0.2 65.4 98.0#

89 0.1 36.0 54.0#



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

