

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002292.D
 Acq On : 13 Apr 2020 19:45
 Operator : SY/MD
 Sample : L2229-39
 Misc : 5.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 14 07:28:06 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	7.81	168	139663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	276823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	231036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	77261	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	79316	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	7.74	113	82656	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.19	98	333526	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.49	95	92845	40.82	ug/l	0.00
Spiked Amount			Recovery	=	81.64%	

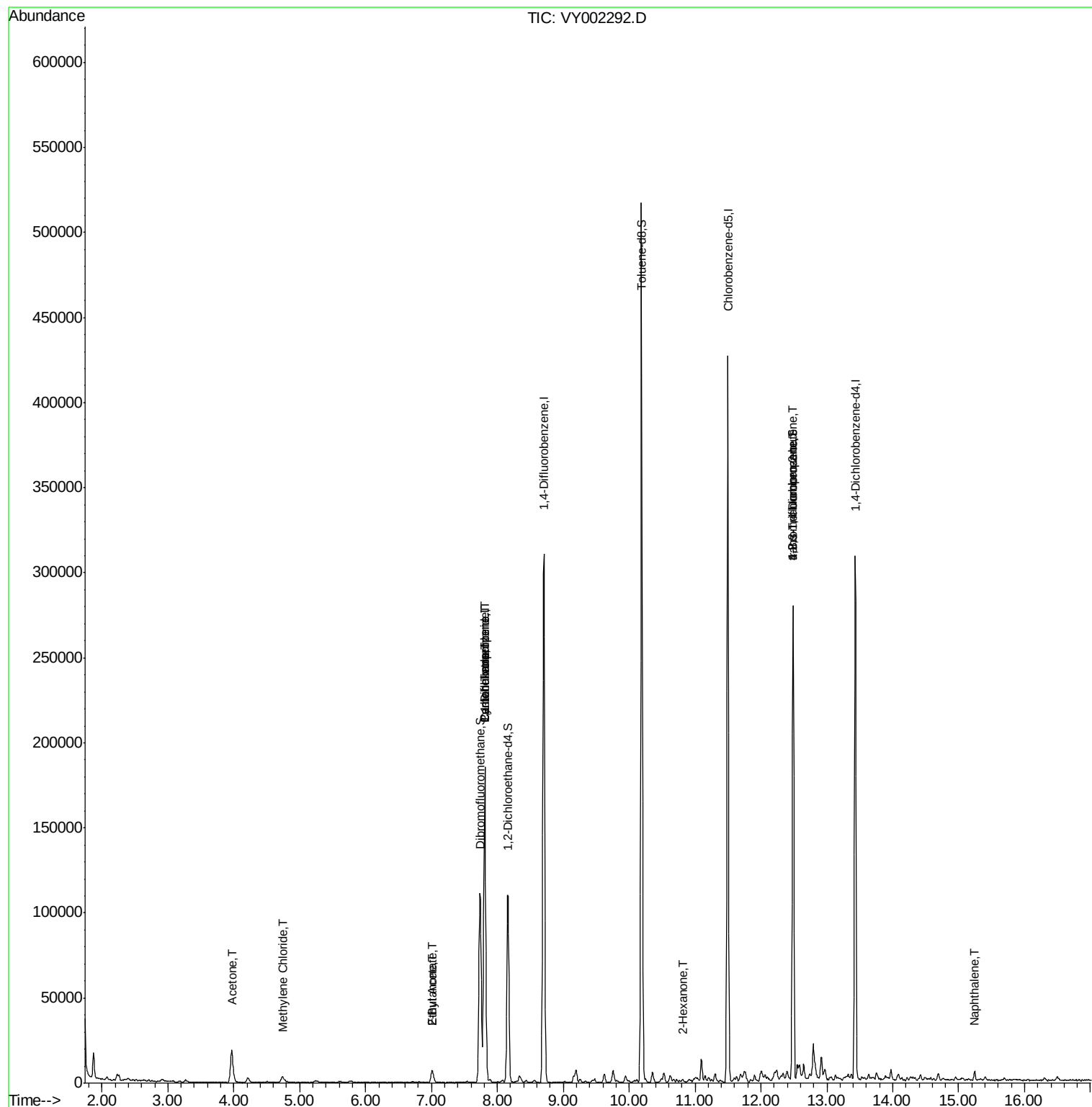
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	32849	80.301	ug/l	98
20) Methylene Chloride	4.75	84	2388	1.188	ug/l	90
25) 2-Butanone	7.01	43	9855	15.223	ug/l	93
31) Cyclohexane	7.80	56	3776	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11283	4.138	ug/l #	49
37) Ethyl Acetate	7.01	43	9855	6.327	ug/l #	85
38) Carbon Tetrachloride	7.81	117	14294	6.129	ug/l #	16
59) 2-Hexanone	10.81	43	1247	1.214	ug/l #	21
76) 1,2,3-Trichloropropane	12.49	75	45629	50.859	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	45629	98.920	ug/l #	19
95) Naphthalene	15.24	128	4084	1.213	ug/l #	93

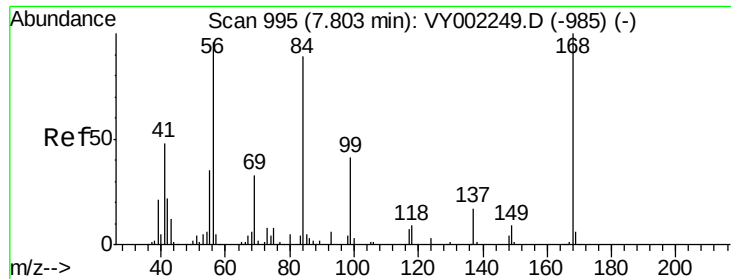
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002292.D

Acq: 13 Apr 2020 19:45

Instrument :

MSVOA_Y

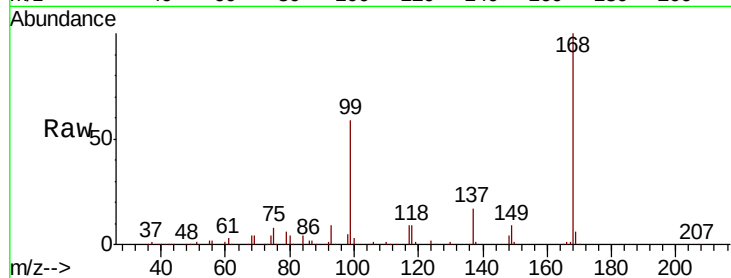
ClientSampleId :

Tot Ion:168 Resp: 139663

Ion Ratio Lower Upper

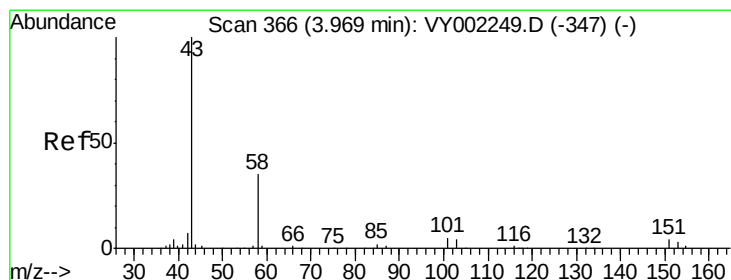
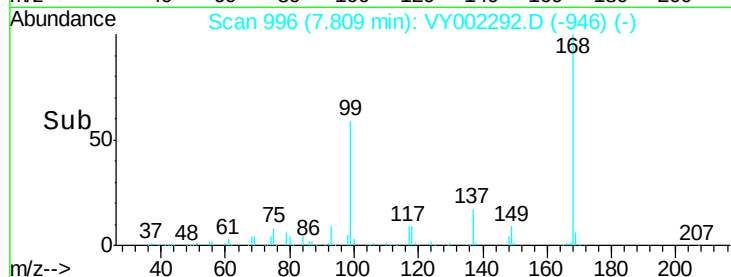
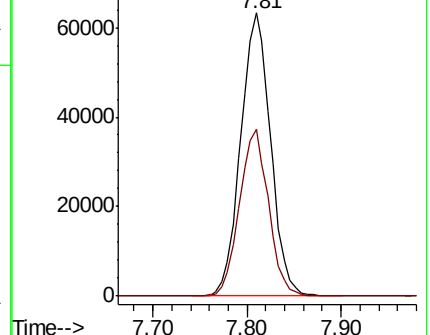
168 100

99 58.8 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) (-)



#16

Acetone

Concen: 80.301 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002292.D

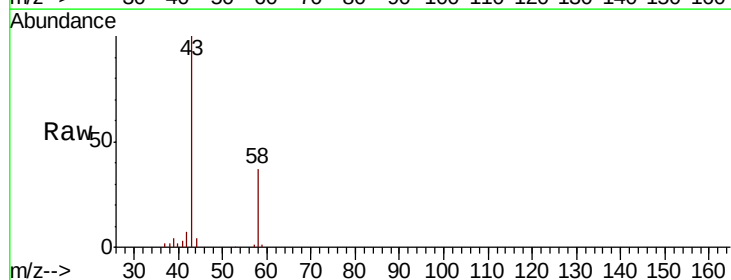
Acq: 13 Apr 2020 19:45

Tgt Ion: 43 Resp: 32849

Ion Ratio Lower Upper

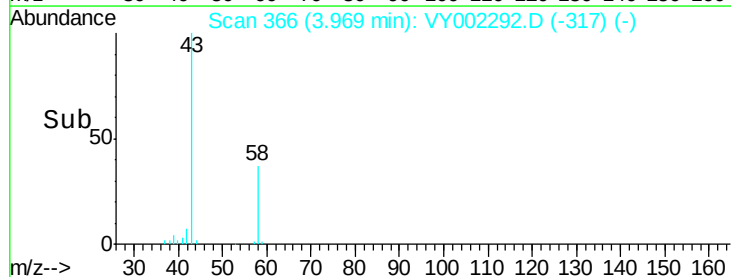
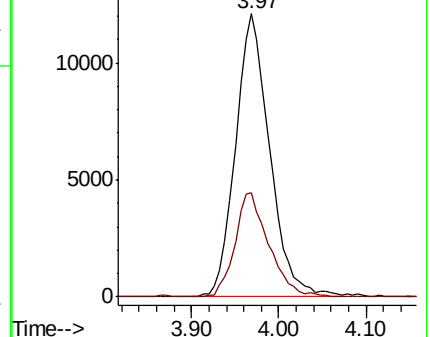
43 100

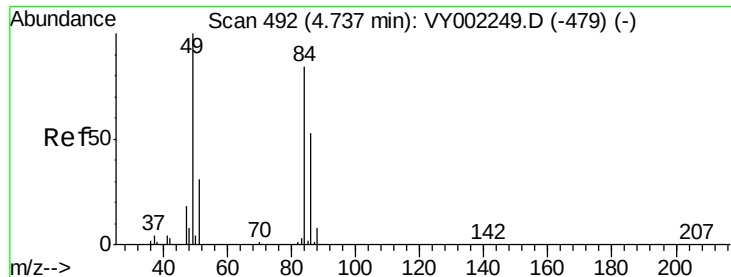
58 36.6 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

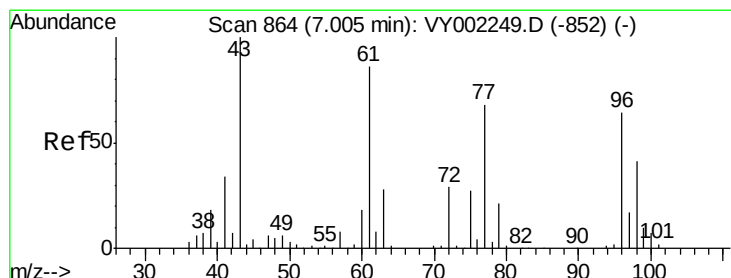
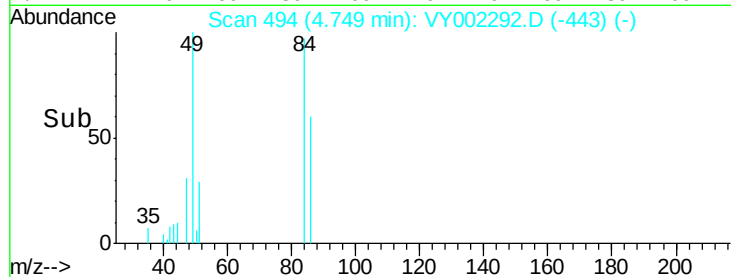
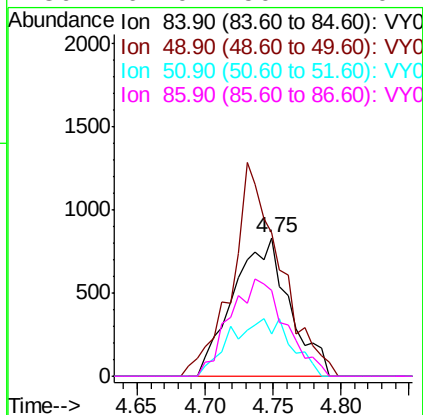
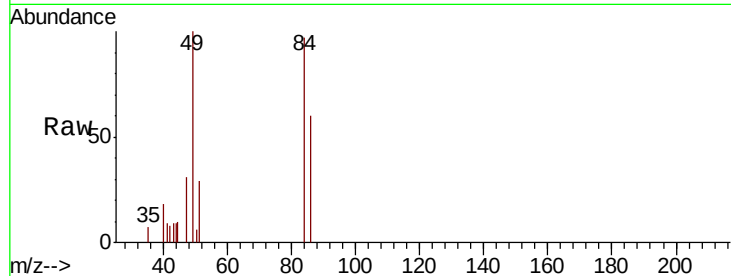




#20
Methylene Chloride
Concen: 1.188 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002292.D
Acq: 13 Apr 2020 19:45

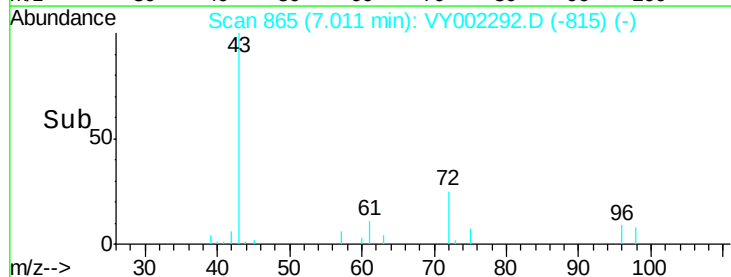
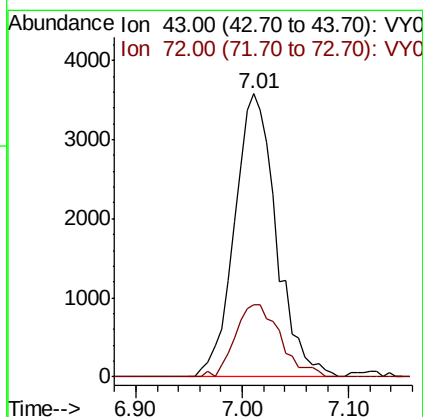
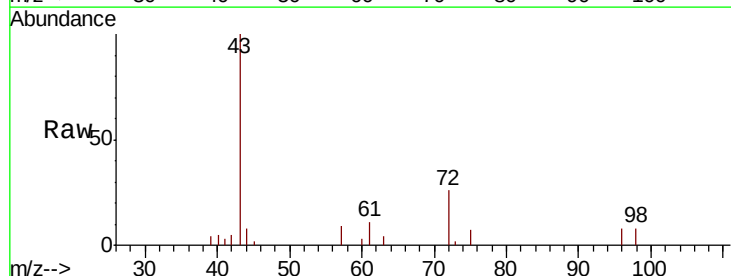
Instrument :
MSVOA_Y
ClientSampleId :

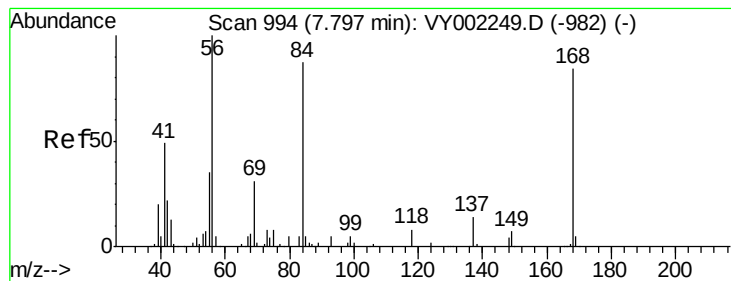
Tot Ion:	84	Resp:	2388
Ion	Ratio	Lower	Upper
84	100		
49	103.5	95.5	143.3
51	30.4	29.5	44.3
86	62.0	50.7	76.1



#25
2-Butanone
Concen: 15.223 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002292.D
Acq: 13 Apr 2020 19:45

Tgt Ion:	43	Resp:	9855
Ion	Ratio	Lower	Upper
43	100		
72	25.5	23.2	34.8





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

Instrument :
MSVOA_Y
ClientSampleId :

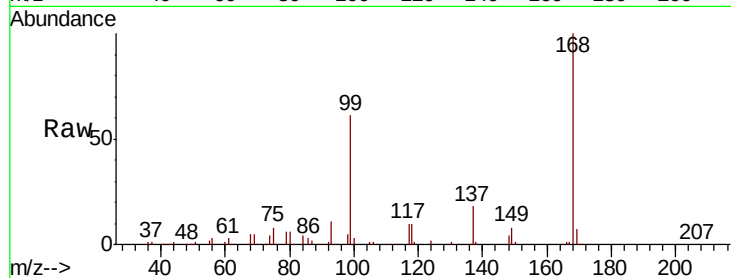
Tot Ion: 56 Resp: 3776

Ion Ratio Lower Upper

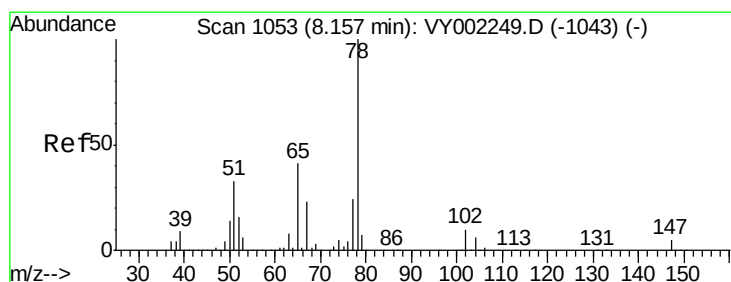
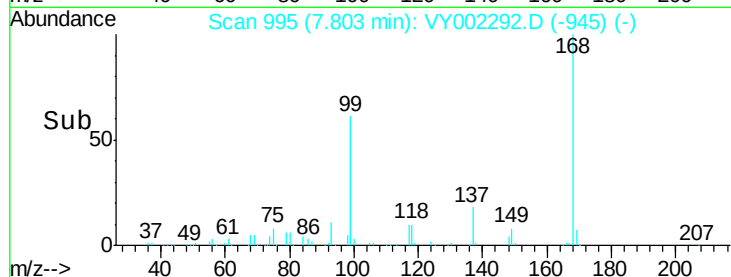
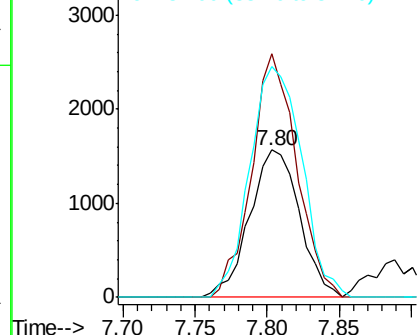
56 100

69 165.4 25.0 37.6#

84 157.2 69.7 104.5#



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: 51.068 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002292.D

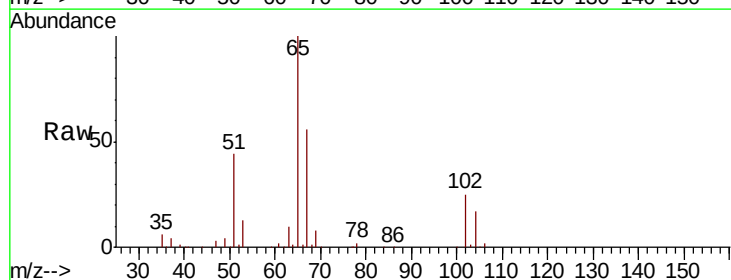
Acq: 13 Apr 2020 19:45

Tgt Ion: 65 Resp: 79316

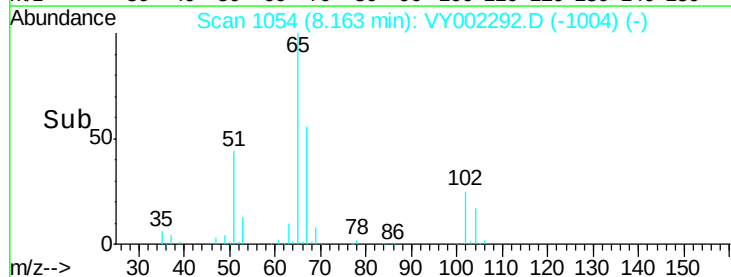
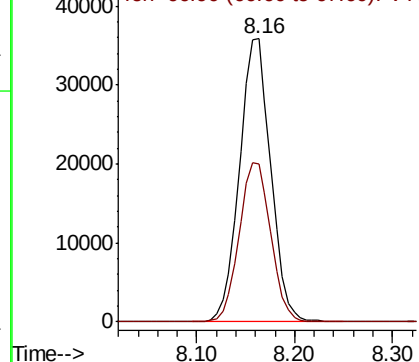
Ion Ratio Lower Upper

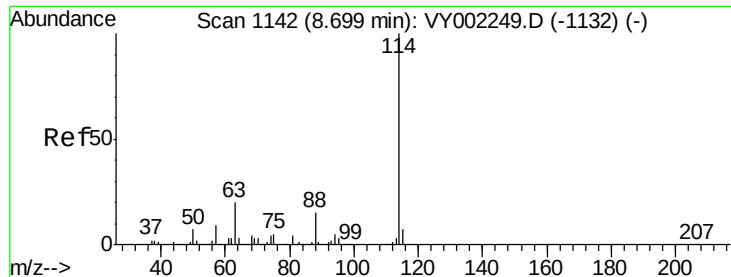
65 100

67 56.8 0.0 114.0



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

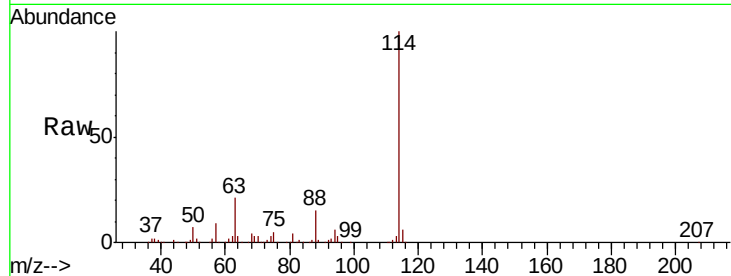




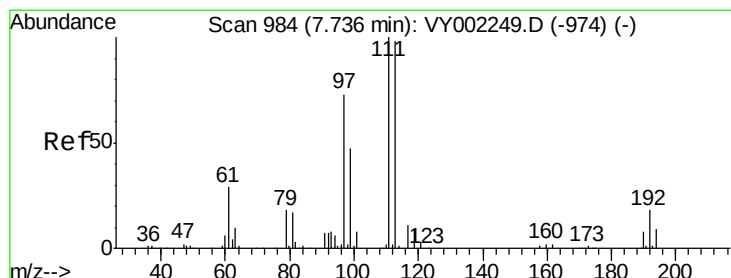
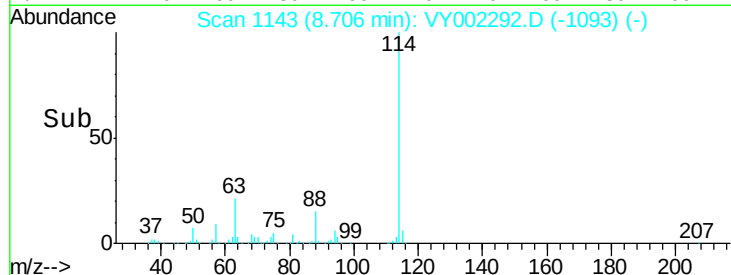
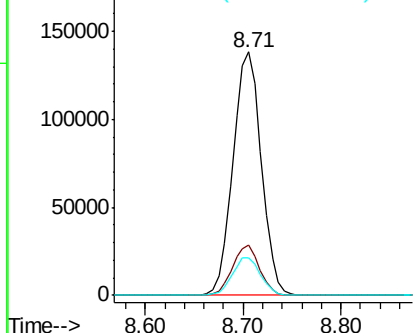
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002292.D
 Acq: 13 Apr 2020 19:45

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 276823
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 15.3 0.0 31.0

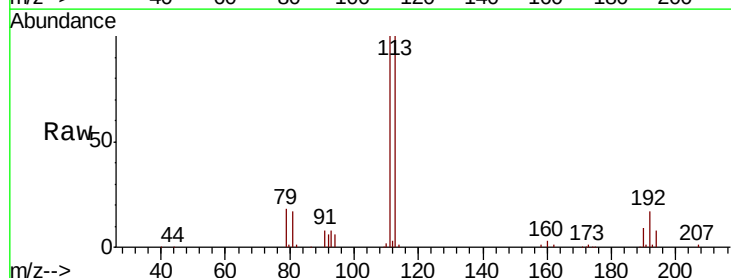


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

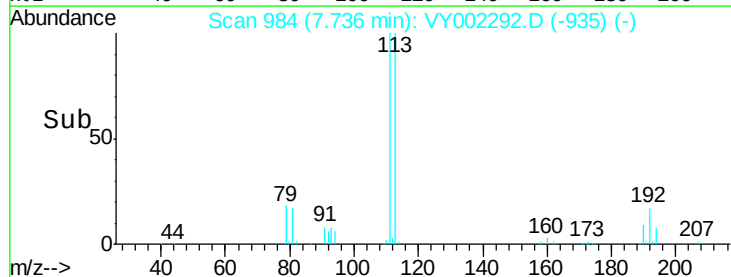
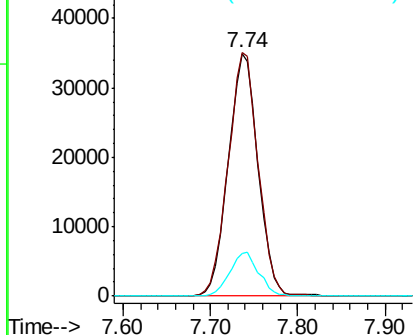


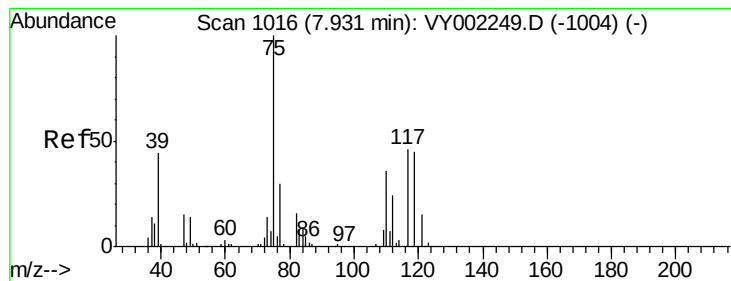
#35
 Dibromofluoromethane
 Concen: 50.180 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002292.D
 Acq: 13 Apr 2020 19:45

Tgt Ion:113 Resp: 82656
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.5 125.3
 192 17.6 14.7 22.1



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: 4.138 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

Instrument :

MSVOA_Y

ClientSampled :

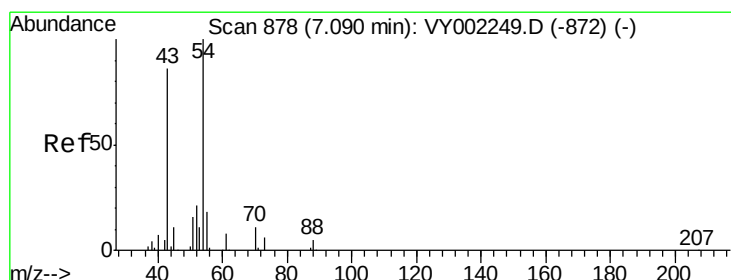
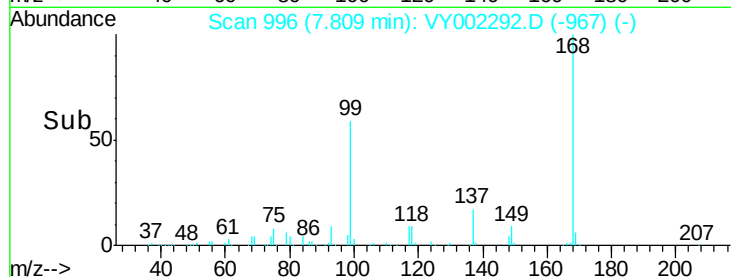
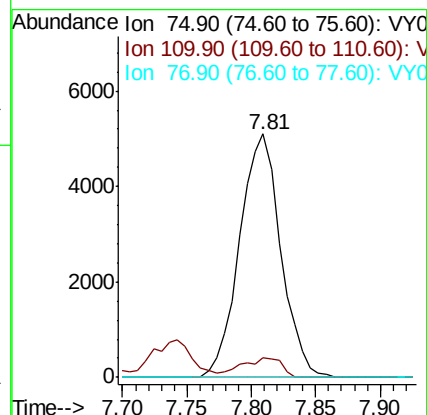
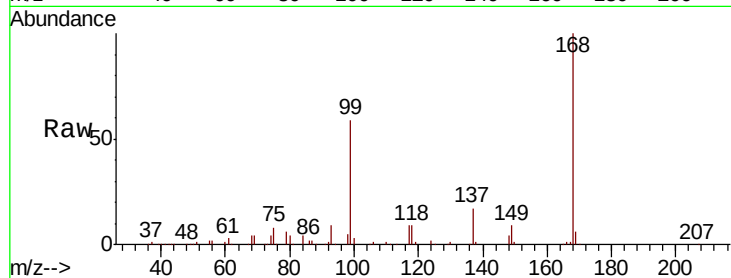
Tot Ion: 75 Resp: 11283

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.3#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 6.327 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.08 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

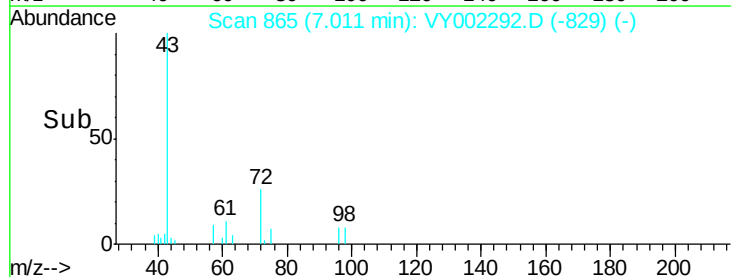
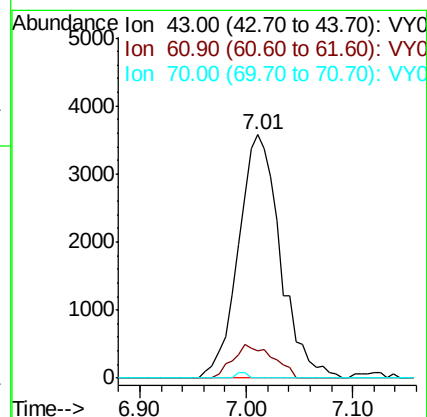
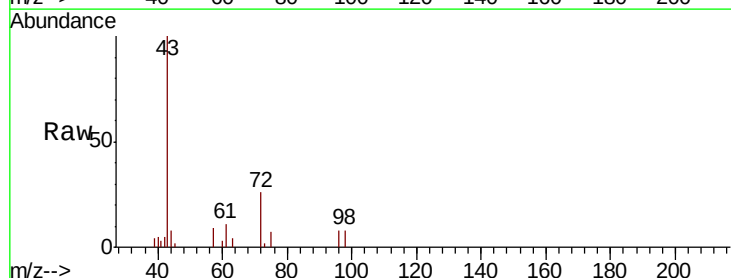
Tgt Ion: 43 Resp: 9855

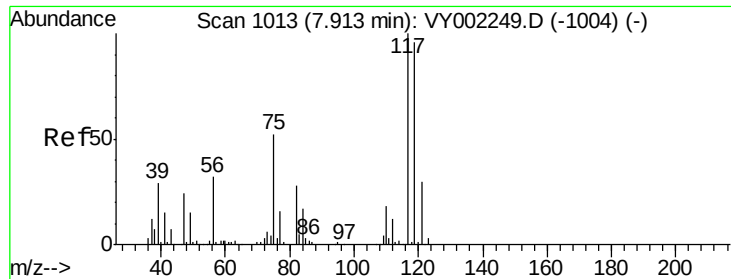
Ion Ratio Lower Upper

43 100

61 13.1 11.8 17.6

70 0.6 9.1 13.7#





#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

Instrument :

MSVOA_Y

ClientSampled :

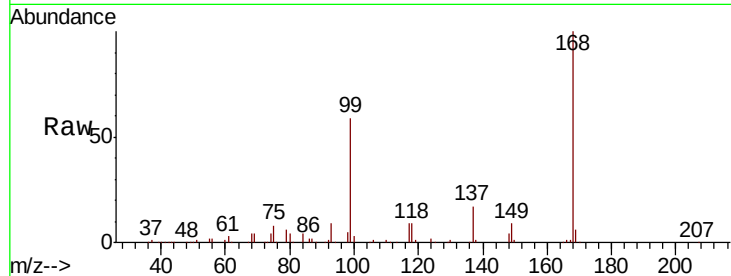
Tot Ion:117 Resp: 14294

Ion Ratio Lower Upper

117 100

119 5.9 77.1 115.7#

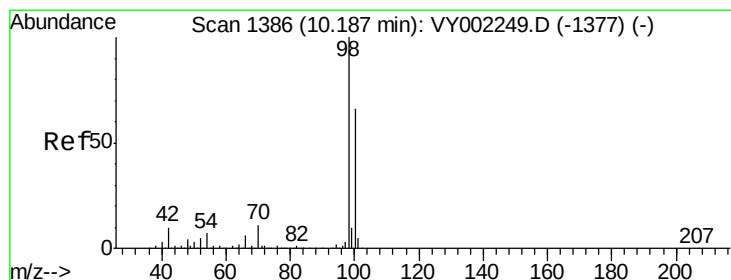
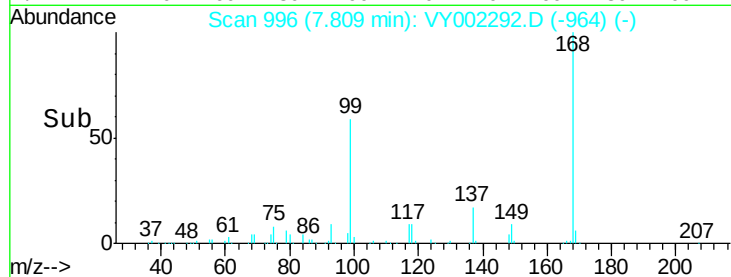
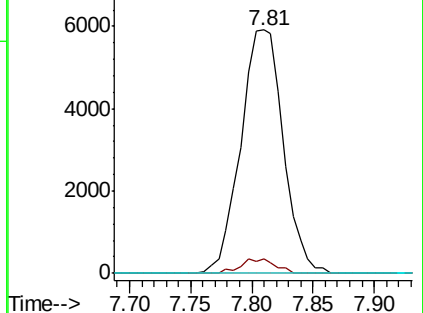
121 0.0 23.9 35.9#



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: 48.376 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002292.D

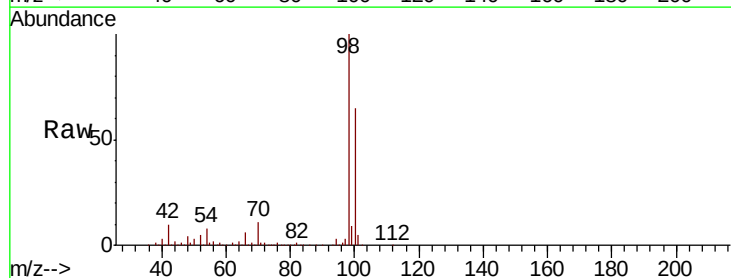
Acq: 13 Apr 2020 19:45

Tgt Ion: 98 Resp: 333526

Ion Ratio Lower Upper

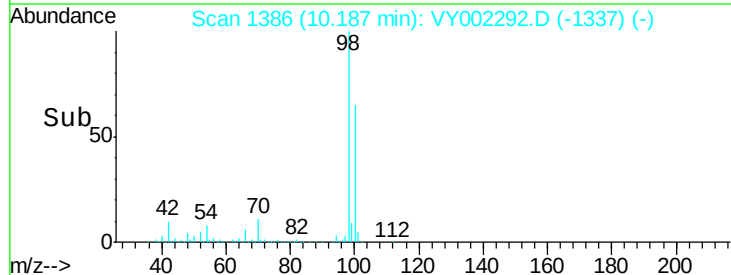
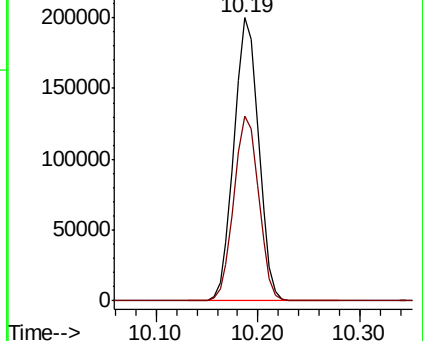
98 100

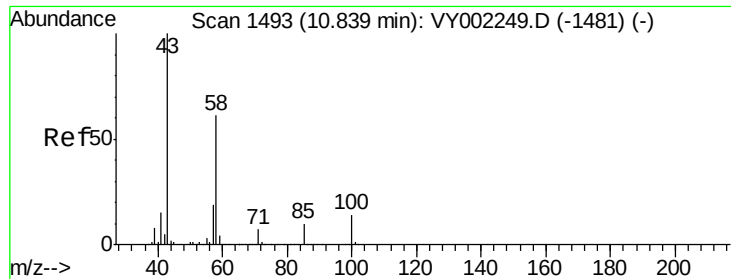
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#59

2-Hexanone

Concen: 1.214 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.03 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

Instrument :

MSVOA_Y

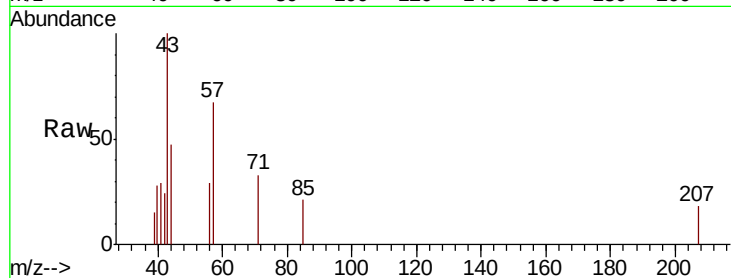
ClientSampleId :

Tot Ion: 43 Resp: 1247

Ion Ratio Lower Upper

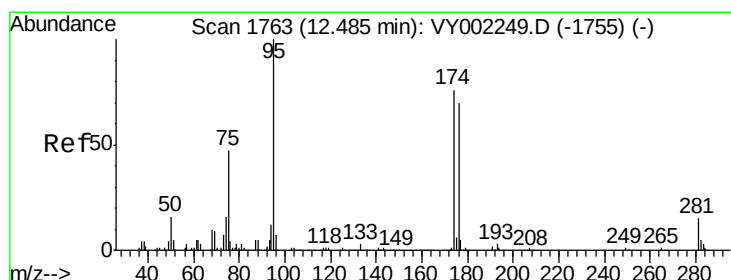
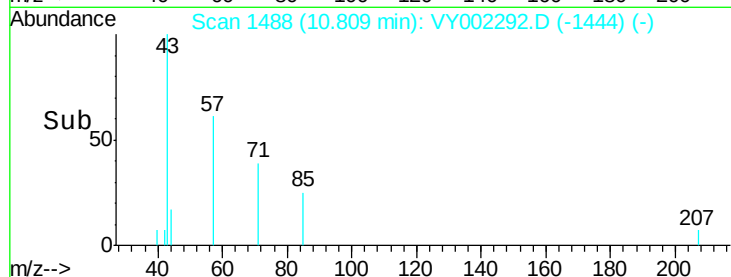
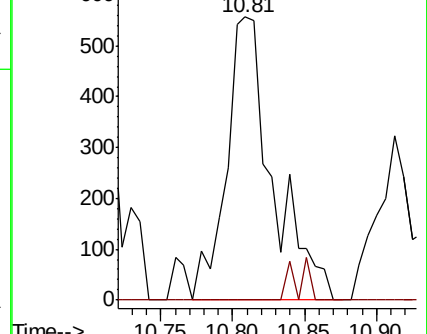
43 100

58 0.0 29.8 89.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 40.819 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

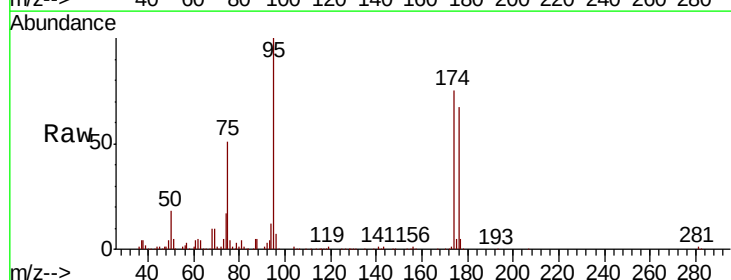
Tgt Ion: 95 Resp: 92845

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.6

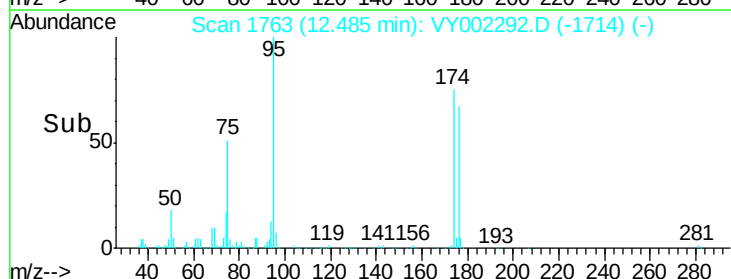
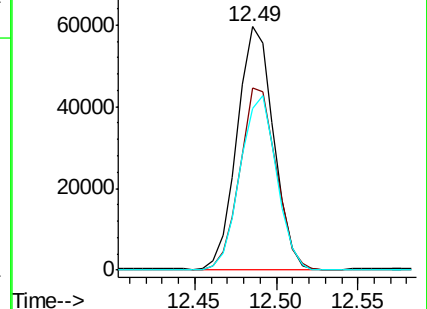
176 71.9 0.0 141.4

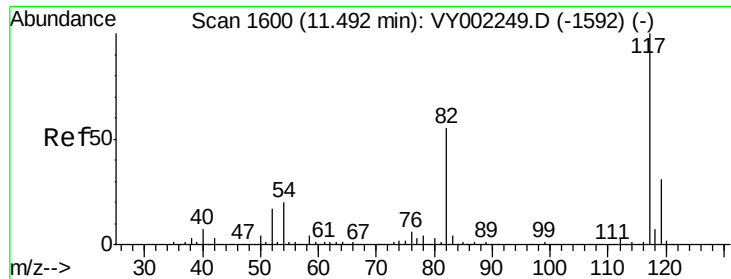


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

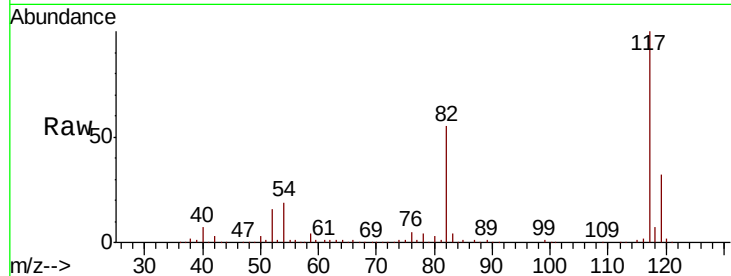




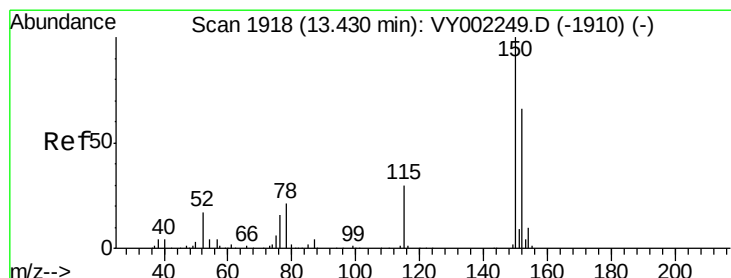
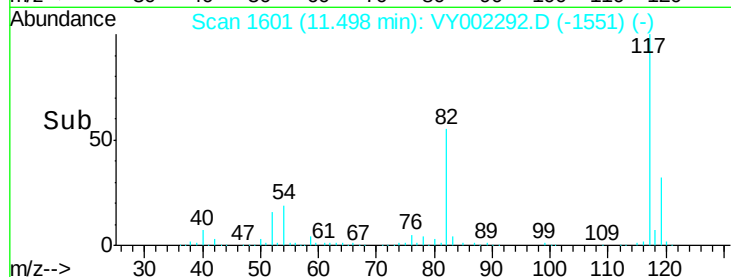
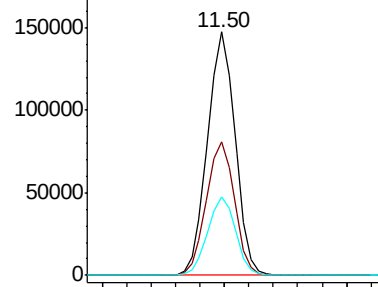
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002292.D
Acq: 13 Apr 2020 19:45

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 231036
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.4
119 32.1 25.1 37.7

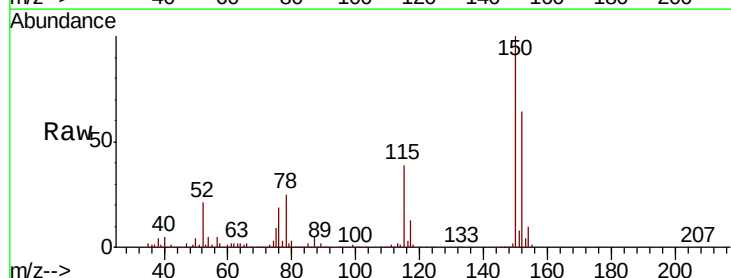


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

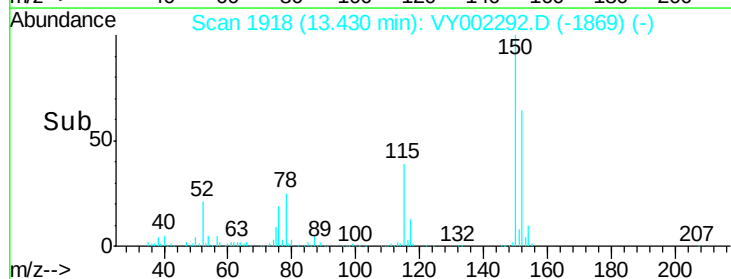
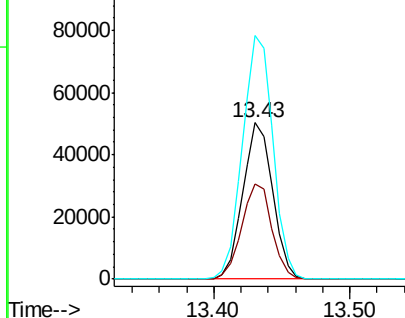


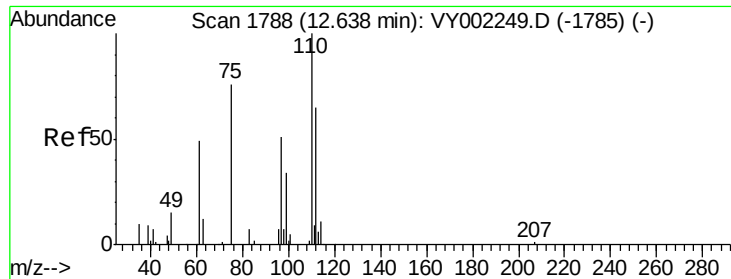
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002292.D
Acq: 13 Apr 2020 19:45

Tgt Ion:152 Resp: 77261
Ion Ratio Lower Upper
152 100
115 61.4 30.7 92.1
150 158.8 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: 50.859 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

Instrument :

MSVOA_Y

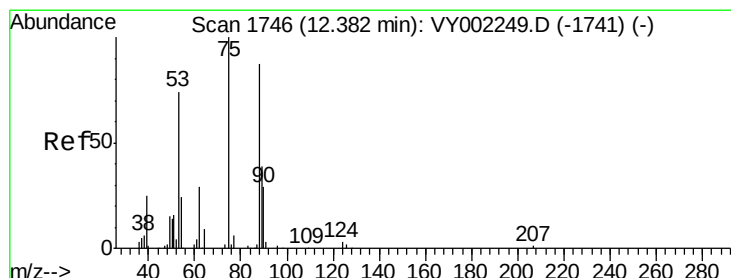
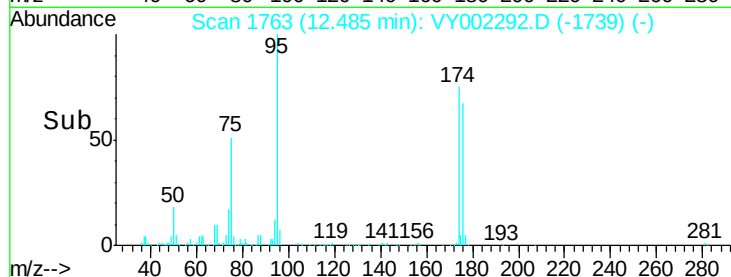
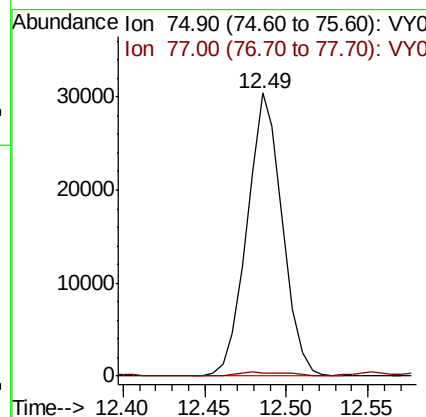
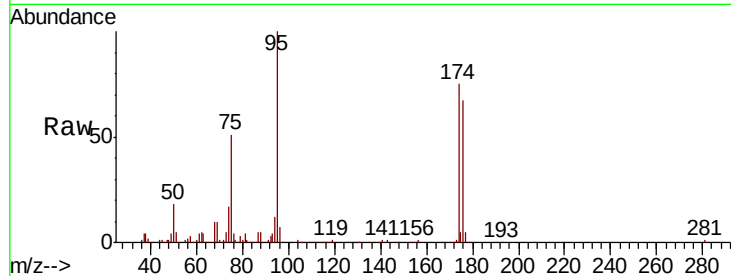
ClientSampleId :

Tot Ion: 75 Resp: 45629

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.920 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002292.D

Acq: 13 Apr 2020 19:45

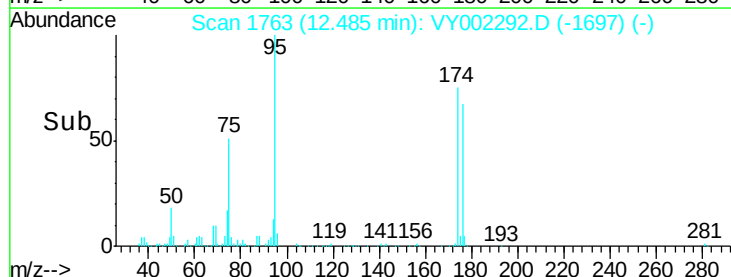
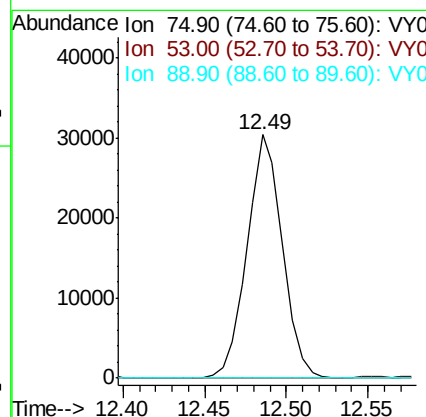
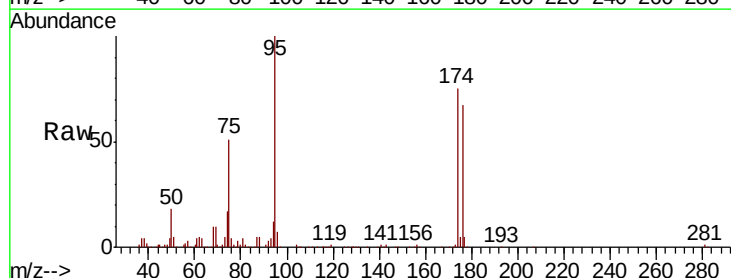
Tgt Ion: 75 Resp: 45629

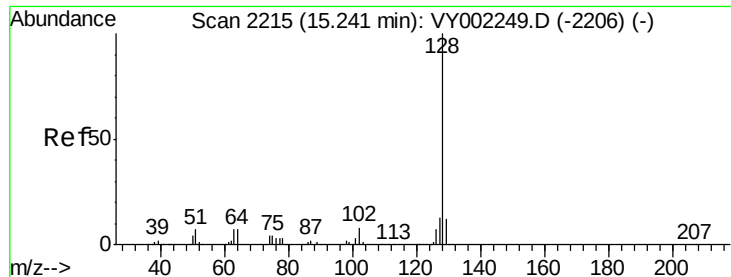
Ion Ratio Lower Upper

75 100

53 0.2 59.8 89.8#

89 0.2 37.0 55.6#

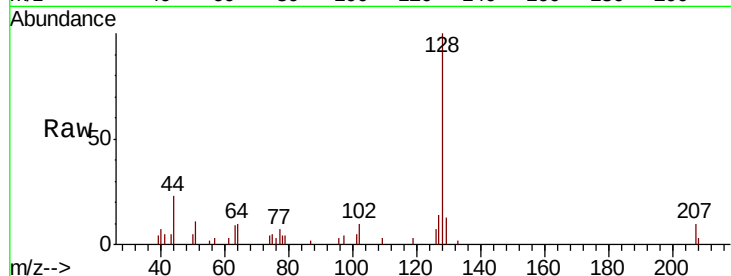




#95
Naphthalene
Concen: 1.213 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY002292.D
Acq: 13 Apr 2020 19:45

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.1	15.1#
129	13.5	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

