

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002313.D
 Acq On : 14 Apr 2020 16:55
 Operator : SY/MD
 Sample : L2229-23RE
 Misc : 6.11G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:36:28 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	7.80	168	137924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	276565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	233215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	79009	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	79287	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.74	113	81432	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.19	98	323736	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
62) 4-Bromofluorobenzene	12.49	95	91957	40.47	ug/l	0.00
Spiked Amount			Recovery	=	80.94%	

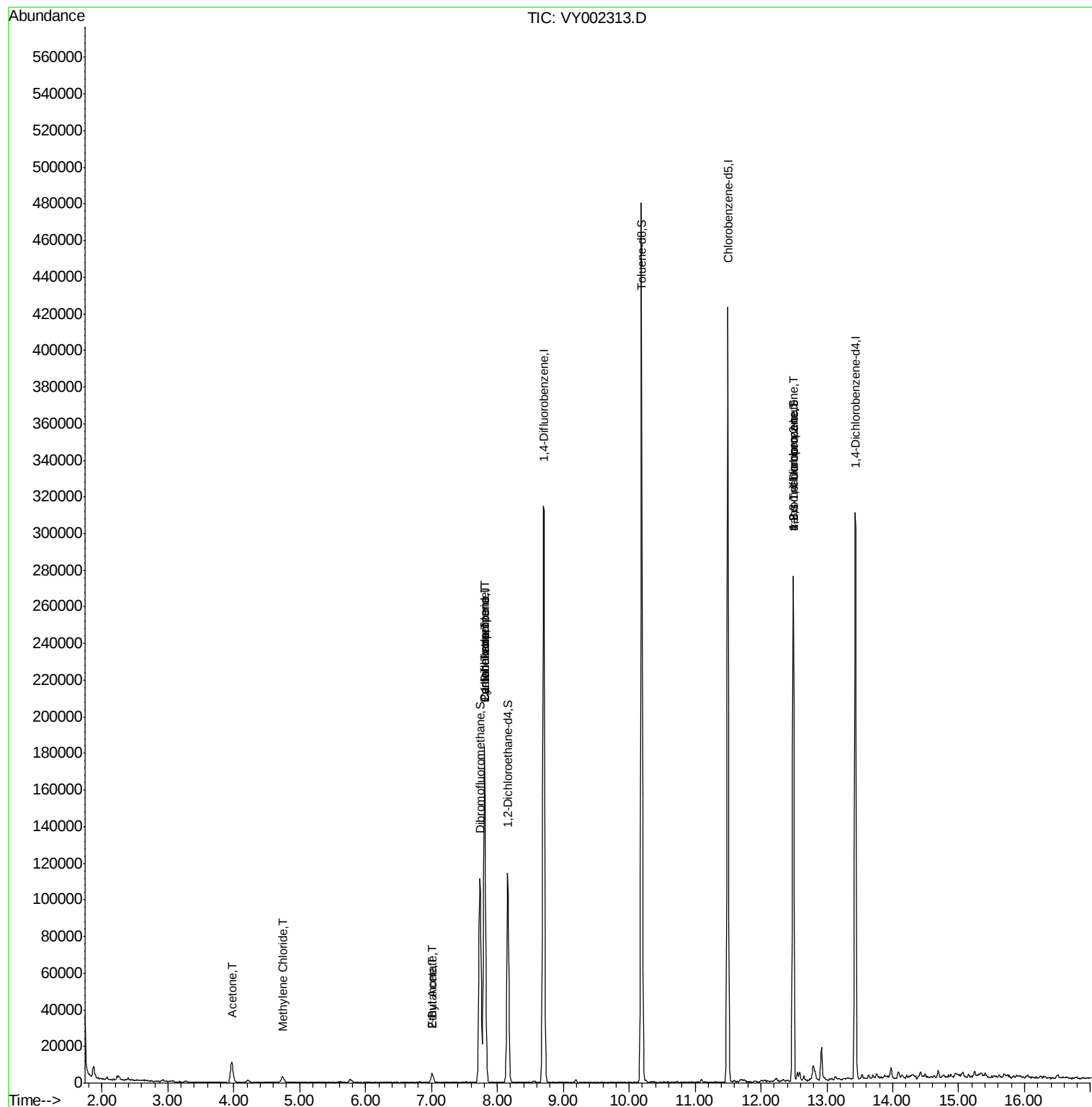
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	19988	49.478	ug/l	97
20) Methylene Chloride	4.74	84	2519	1.269	ug/l	95
25) 2-Butanone	7.01	43	7418	11.603	ug/l	96
31) Cyclohexane	7.80	56	3312	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11228	4.122	ug/l #	49
37) Ethyl Acetate	7.01	43	7418	4.767	ug/l #	71
38) Carbon Tetrachloride	7.80	117	14255	6.118	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	44267	48.249	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	44267	93.844	ug/l #	19

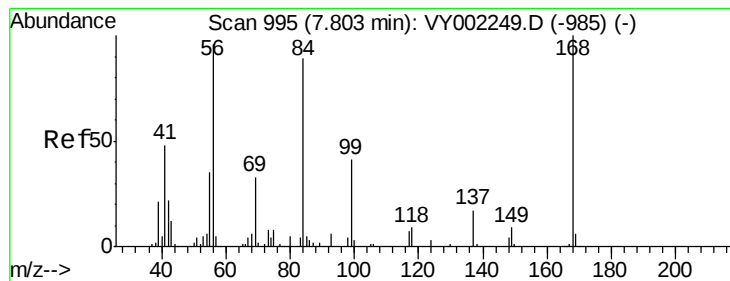
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002313.D

Acq: 14 Apr 2020 16:55

Instrument :

MSVOA_Y

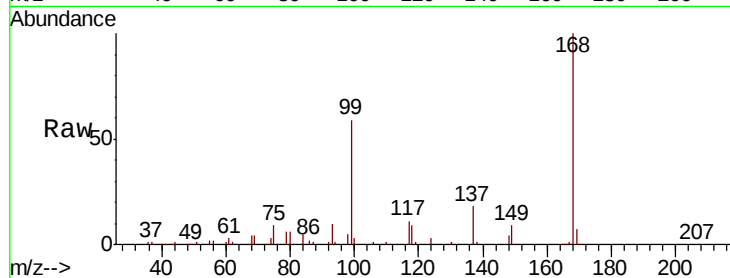
ClientSampleId :

Tot Ion:168 Resp: 137924

Ion Ratio Lower Upper

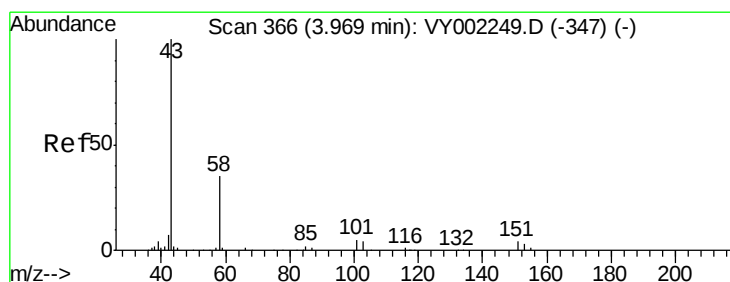
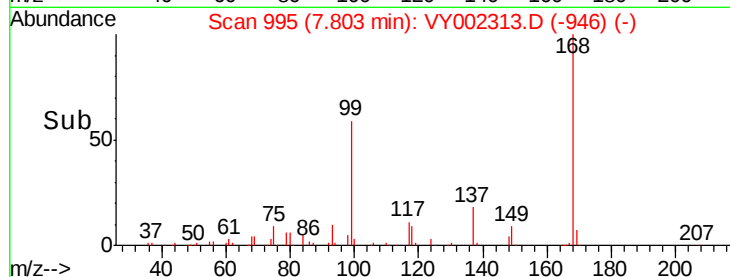
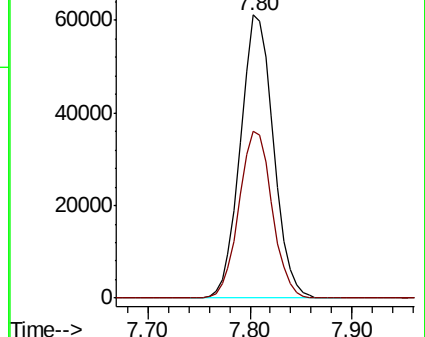
168 100

99 59.1 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: 49.478 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002313.D

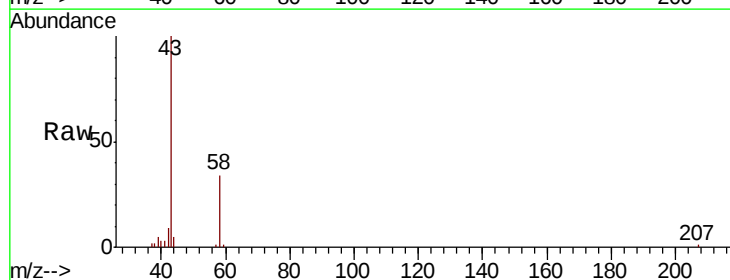
Acq: 14 Apr 2020 16:55

Tgt Ion: 43 Resp: 19988

Ion Ratio Lower Upper

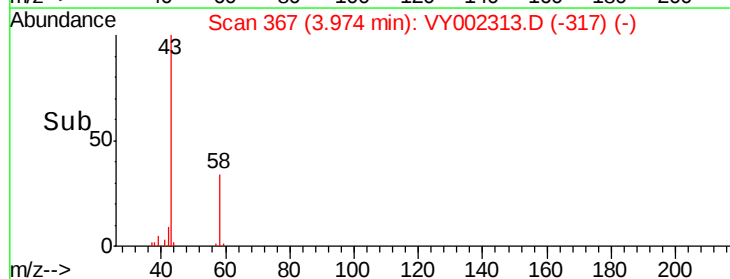
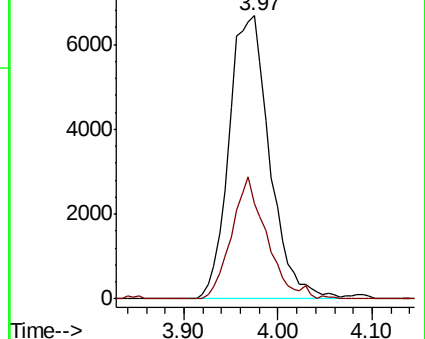
43 100

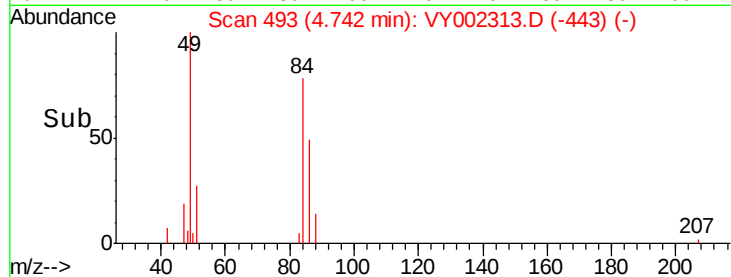
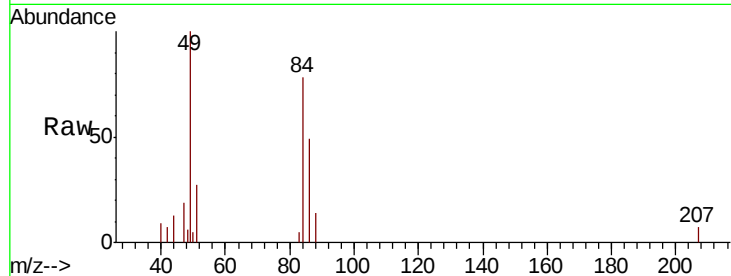
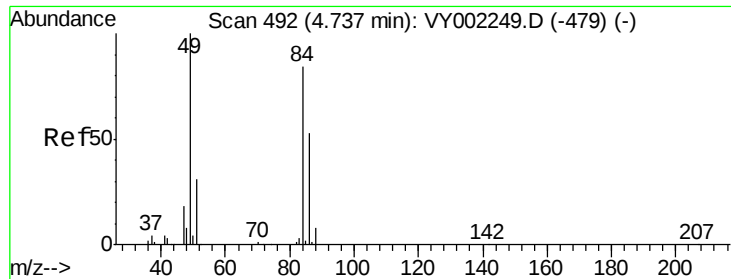
58 33.7 28.5 42.7



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

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

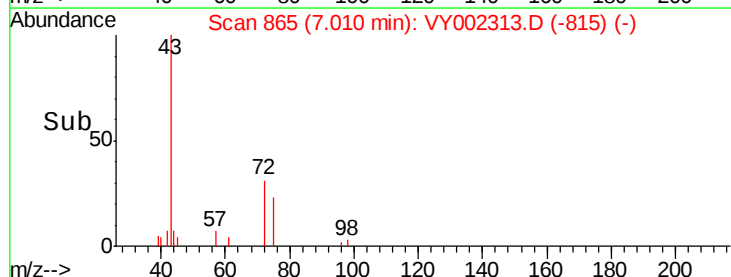
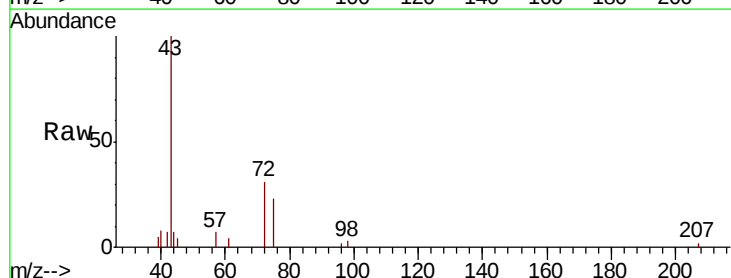
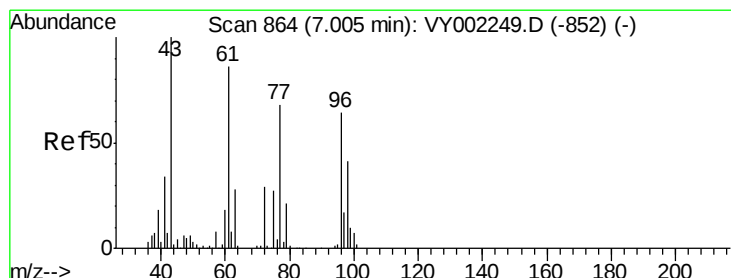
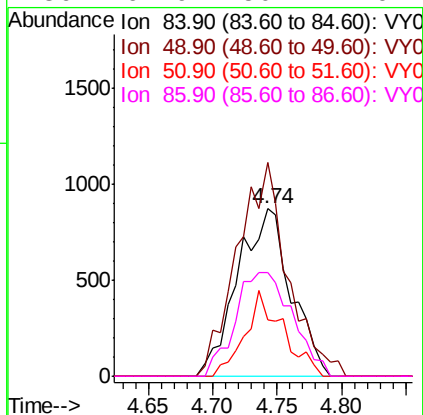




#20
Methvlene Chloride
Concen: 1.269 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002313.D
Acq: 14 Apr 2020 16:55

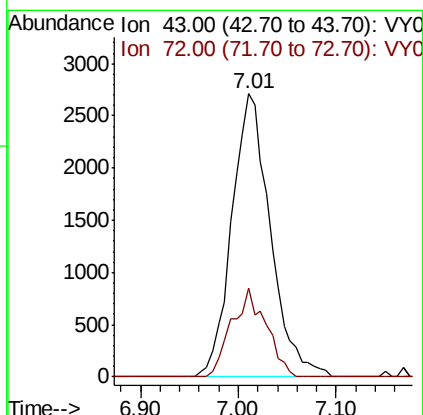
Instrument :
MSVOA_Y
ClientSampleId :

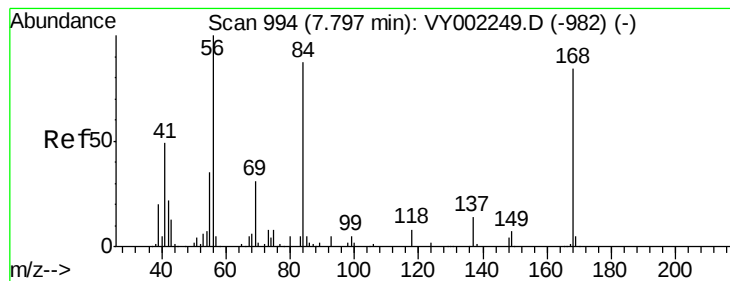
Tot Ion: 84 Resp: 2519
Ion Ratio Lower Upper
84 100
49 127.5 95.5 143.3
51 34.0 29.5 44.3
86 61.9 50.7 76.1



#25
2-Butanone
Concen: 11.603 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002313.D
Acq: 14 Apr 2020 16:55

Tgt Ion: 43 Resp: 7418
Ion Ratio Lower Upper
43 100
72 31.2 23.2 34.8





#31

Cyclohexane

Concen: 1.025 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002313.D

Acq: 14 Apr 2020 16:55

Instrument :
MSVOA_Y
ClientSampled :

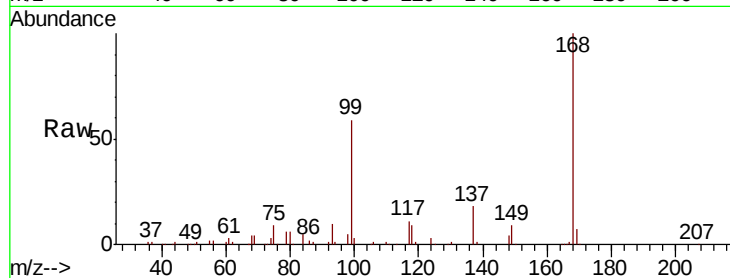
Tot Ion: 56 Resp: 3312

Ion Ratio Lower Upper

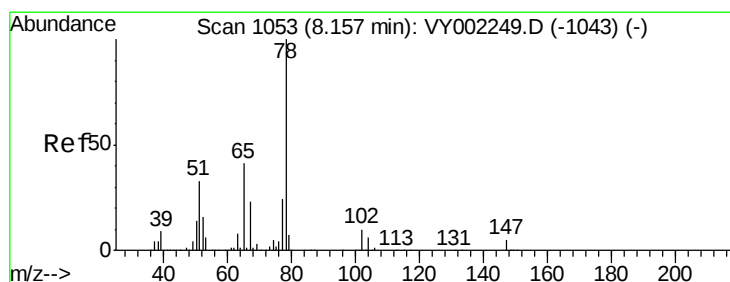
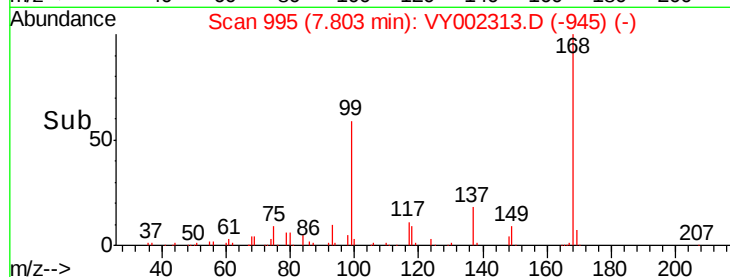
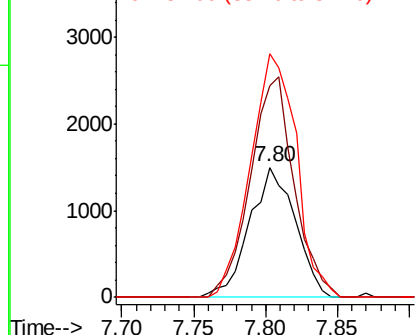
56 100

69 162.5 25.0 37.6#

84 187.0 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: 51.693 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002313.D

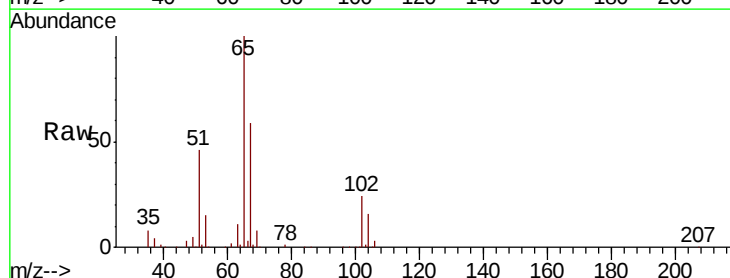
Acq: 14 Apr 2020 16:55

Tgt Ion: 65 Resp: 79287

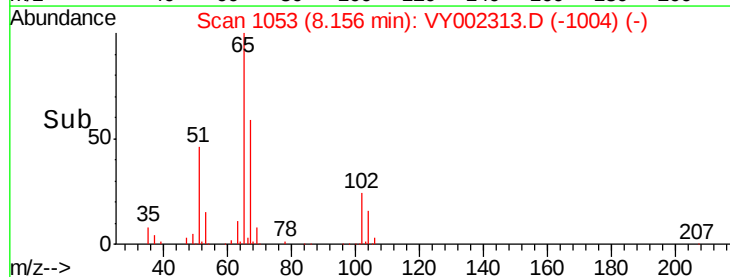
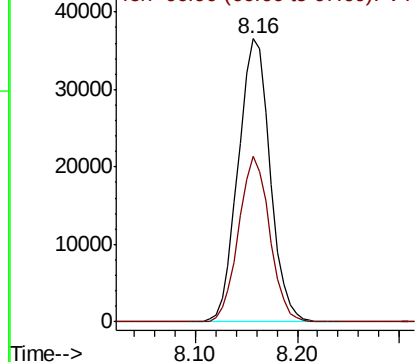
Ion Ratio Lower Upper

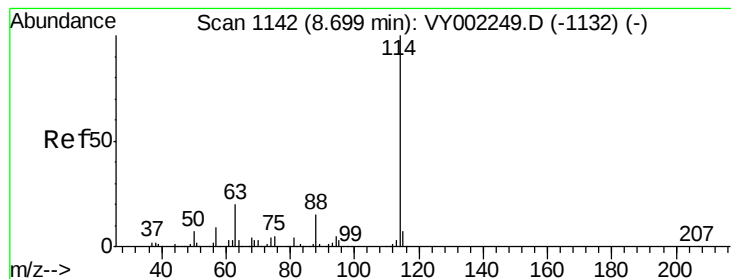
65 100

67 57.1 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: VY002313.D

Acq: 14 Apr 2020 16:55

Instrument :
MSVOA_Y
ClientSampleId :

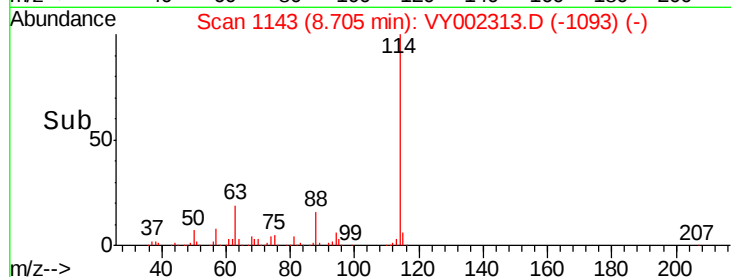
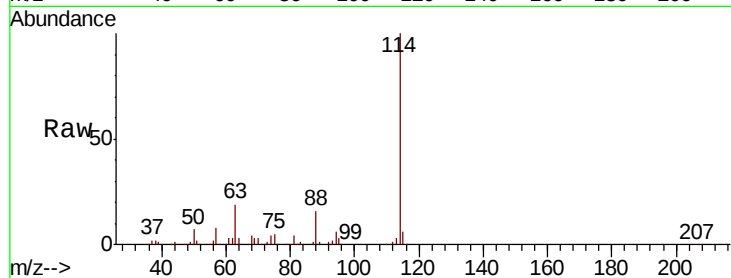
Tot Ion:114 Resp: 276565

Ion Ratio Lower Upper

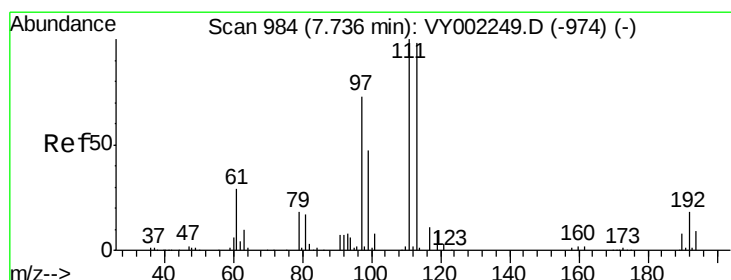
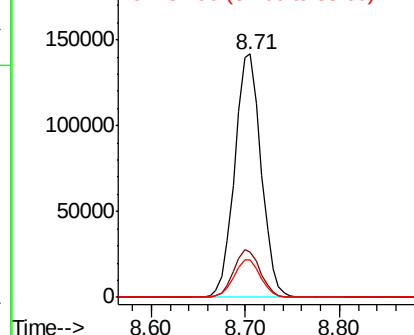
114 100

63 18.8 0.0 39.0

88 15.6 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: 49.483 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002313.D

Acq: 14 Apr 2020 16:55

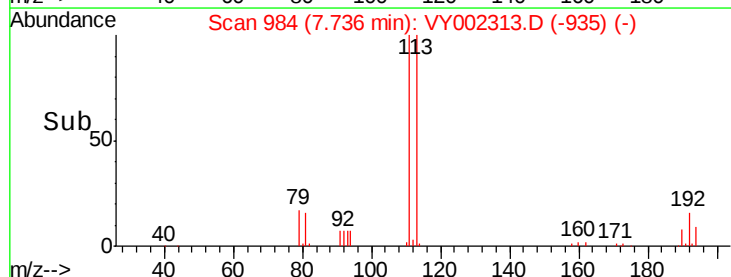
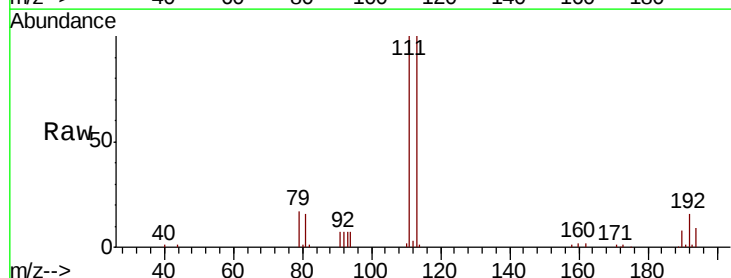
Tgt Ion:113 Resp: 81432

Ion Ratio Lower Upper

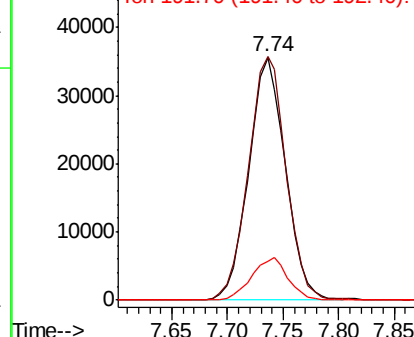
113 100

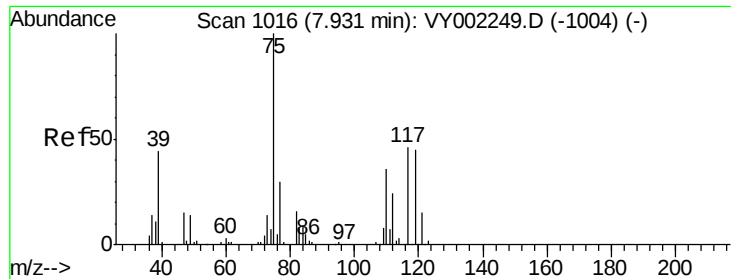
111 103.3 83.5 125.3

192 17.4 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

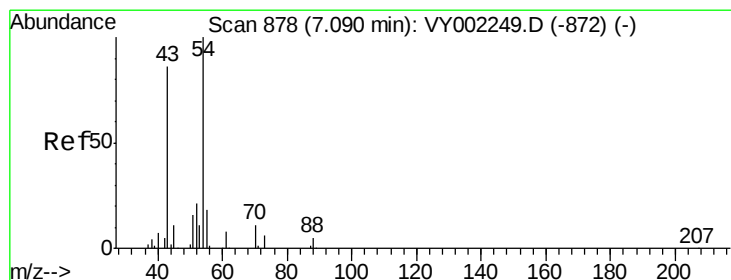
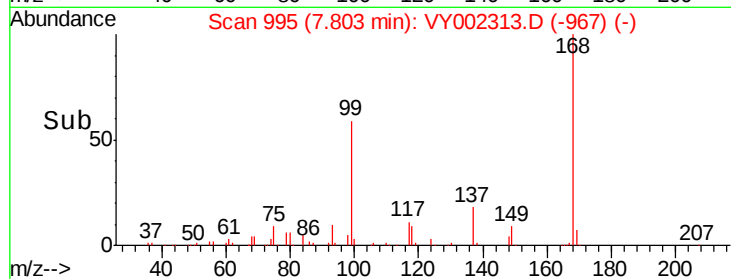
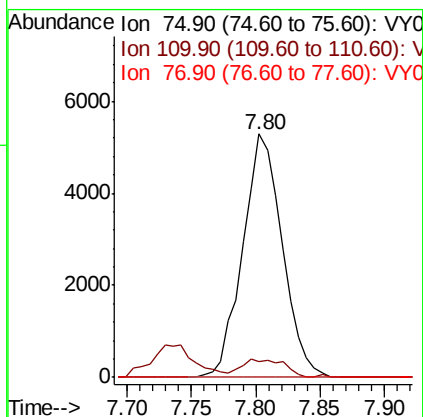
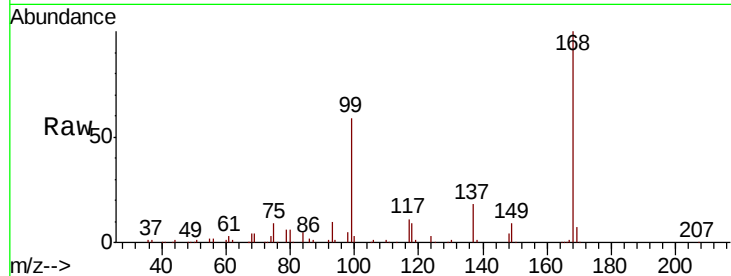




#36
 1,1-Dichloropropene
 Concen: 4.122 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002313.D
 Acq: 14 Apr 2020 16:55

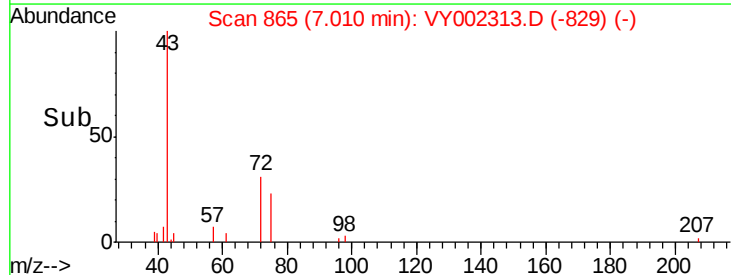
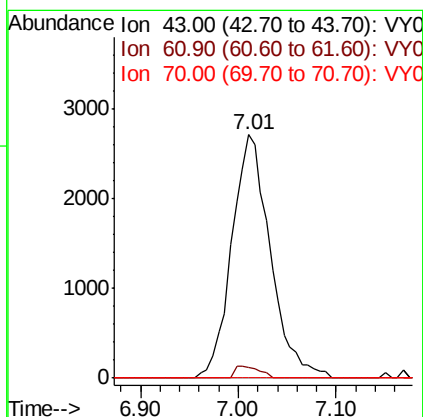
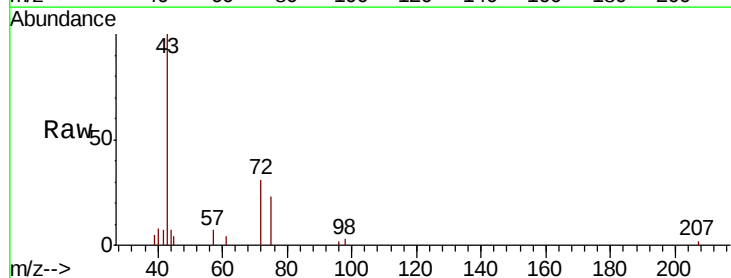
Instrument :
 MSVOA_Y
 ClientSampleId :

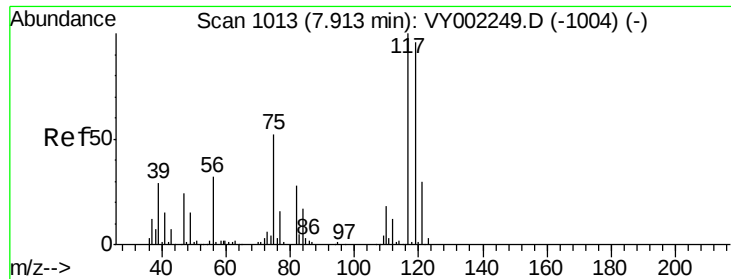
Tot Ion: 75 Resp: 11228
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.8 53.3#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 4.767 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VY002313.D
 Acq: 14 Apr 2020 16:55

Tgt Ion: 43 Resp: 7418
 Ion Ratio Lower Upper
 43 100
 61 3.0 11.8 17.6#
 70 0.0 9.1 13.7#





#38

Carbon Tetrachloride

Concen: 6.118 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY002313.D

Acq: 14 Apr 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

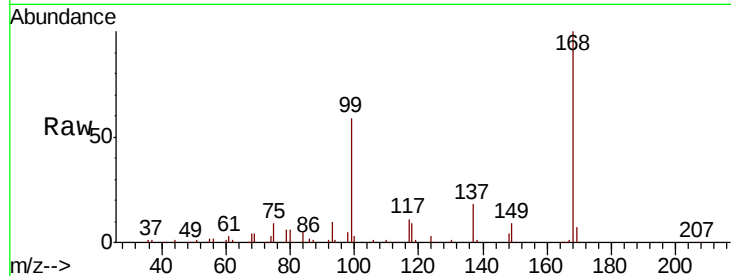
Tot Ion:117 Resp: 14255

Ion Ratio Lower Upper

117 100

119 5.9 77.1 115.7#

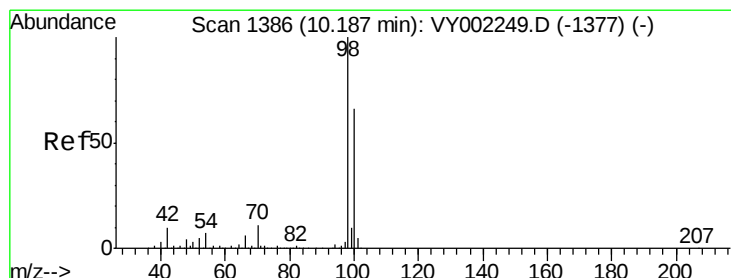
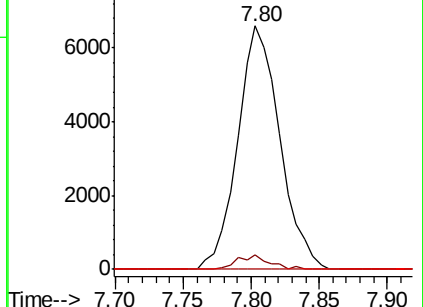
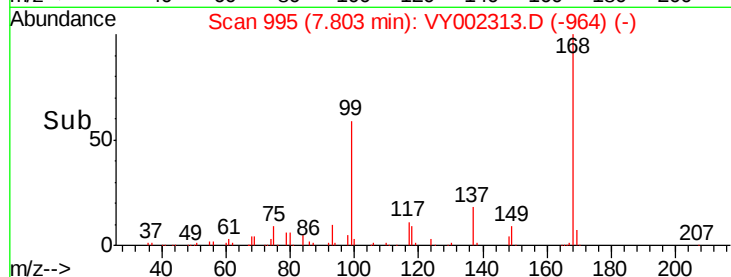
121 0.0 23.9 35.9#



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: 47.000 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002313.D

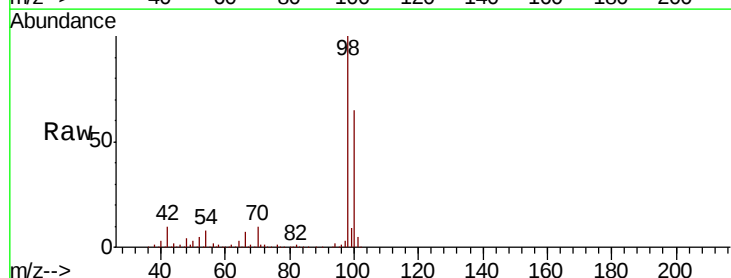
Acq: 14 Apr 2020 16:55

Tgt Ion: 98 Resp: 323736

Ion Ratio Lower Upper

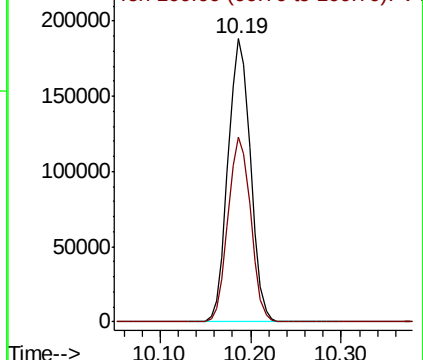
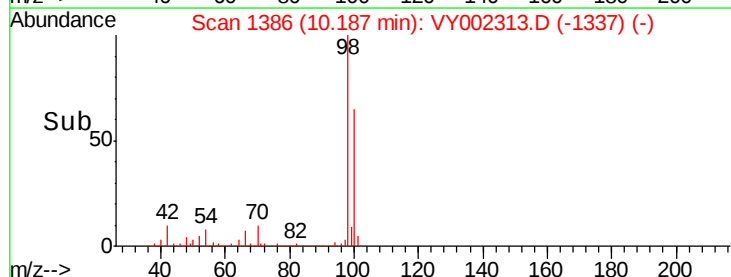
98 100

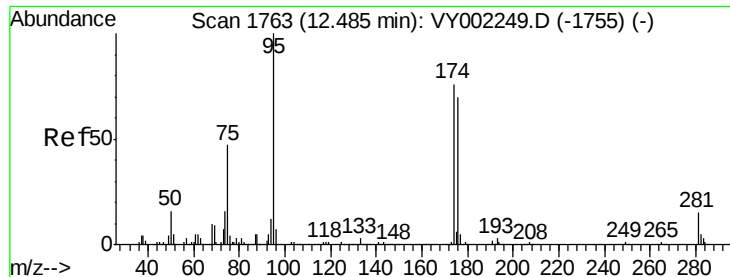
100 65.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

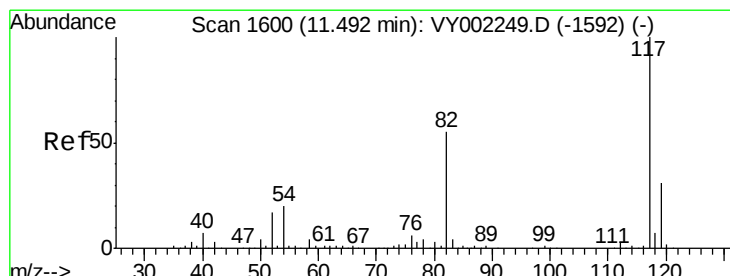
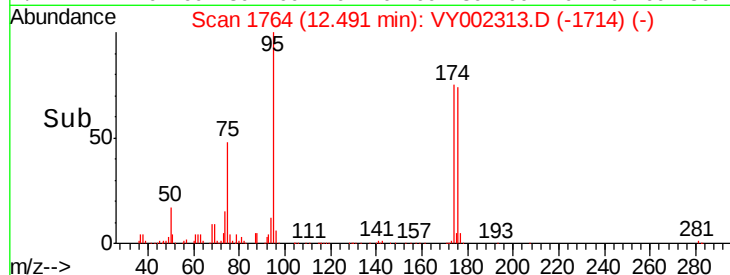
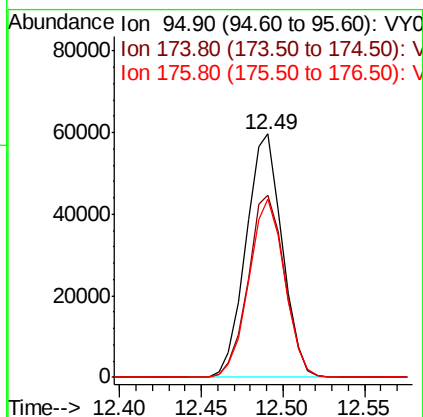
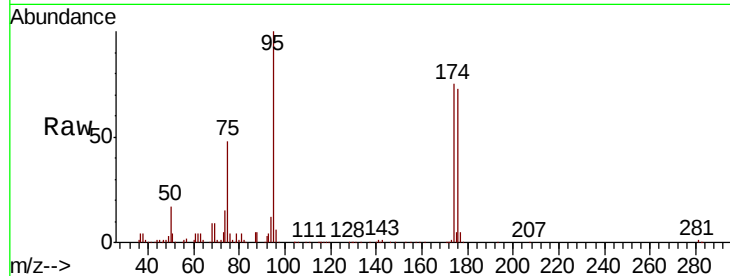




#62
4-Bromofluorobenzene
Concen: 40.466 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002313.D
Acq: 14 Apr 2020 16:55

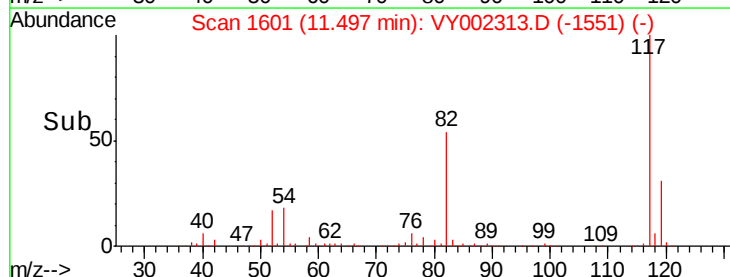
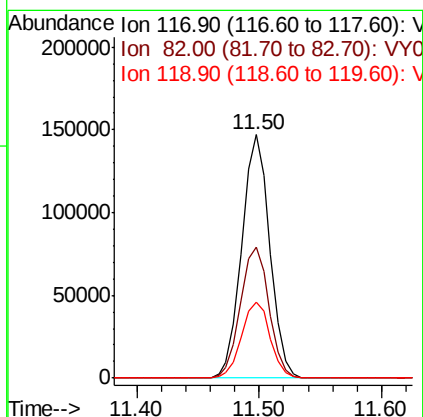
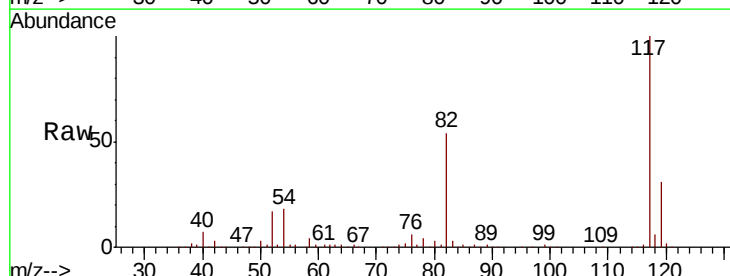
Instrument :
MSVOA_Y
ClientSampleId :

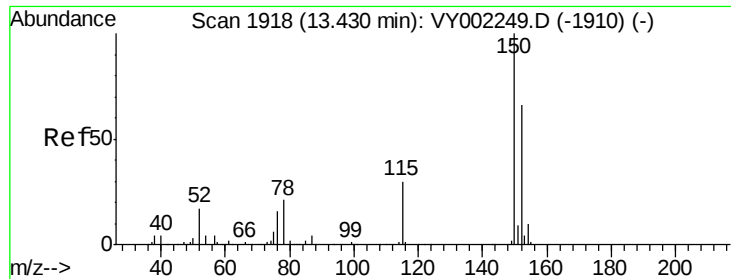
Tot Ion	95	Resp	91957
Ion Ratio	Lower	Upper	
95	100		
174	75.8	0.0	150.6
176	72.6	0.0	141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002313.D
Acq: 14 Apr 2020 16:55

Tgt Ion	117	Resp	233215
Ion Ratio	Lower	Upper	
117	100		
82	53.6	44.2	66.4
119	31.3	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002313.D

Acq: 14 Apr 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

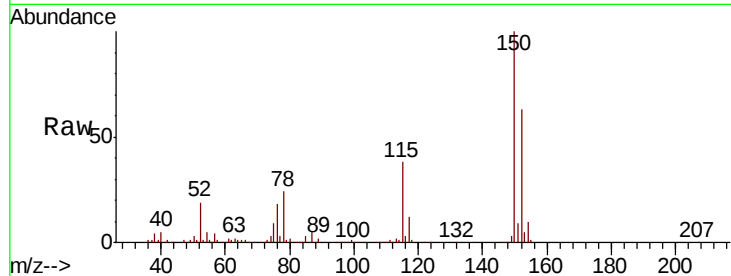
Tot Ion:152 Resp: 79009

Ion Ratio Lower Upper

152 100

115 61.2 30.7 92.1

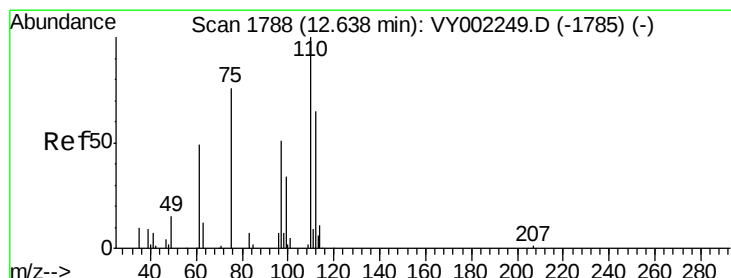
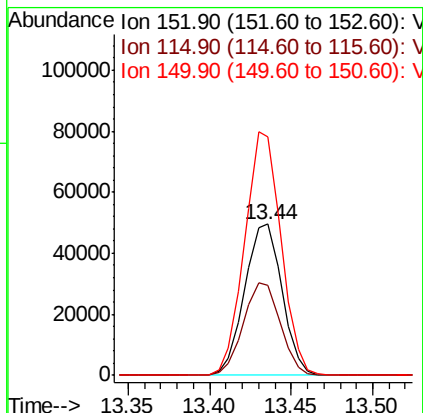
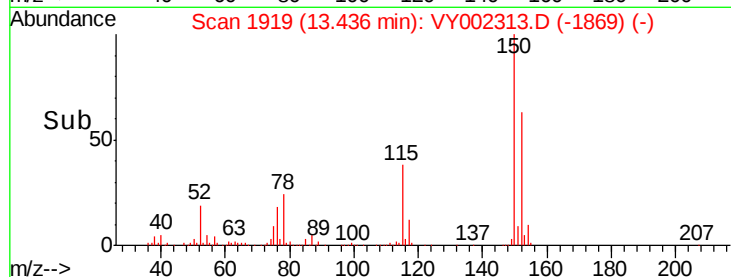
150 157.4 0.0 350.6



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: 48.249 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002313.D

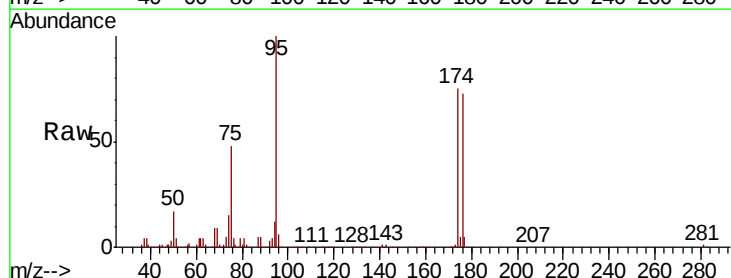
Acq: 14 Apr 2020 16:55

Tgt Ion: 75 Resp: 44267

Ion Ratio Lower Upper

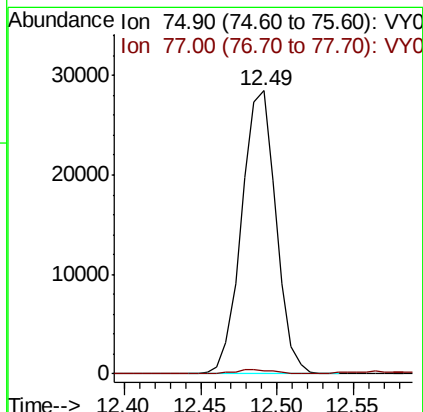
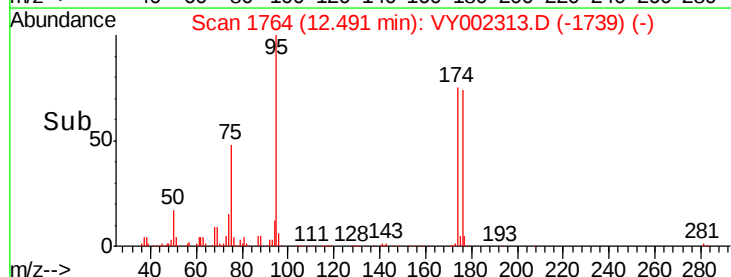
75 100

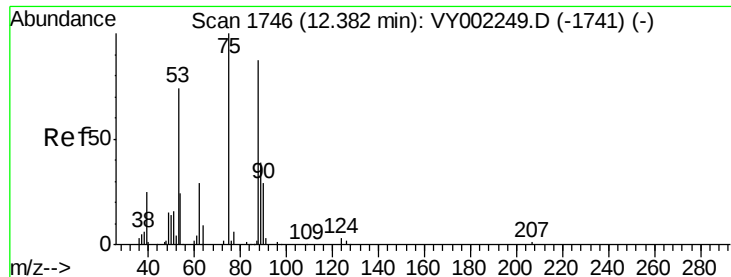
77 1.9 0.0 0.0#



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: 93.844 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002313.D

Acq: 14 Apr 2020 16:55

Instrument :

MSVOA_Y

ClientSampleId :

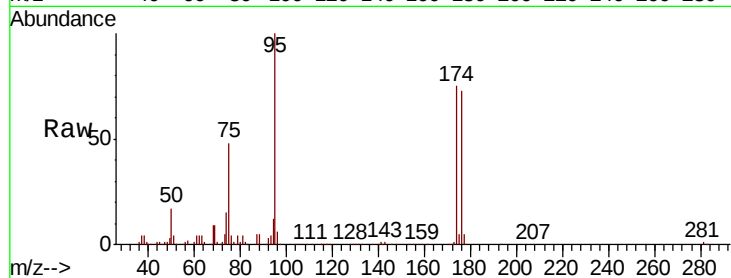
Tot Ion: 75 Resp: 44267

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.0 37.0 55.6#



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

