

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002316.D
 Acq On : 14 Apr 2020 18:03
 Operator : SY/MD
 Sample : L2230-11RE
 Misc : 5.88G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:37:06 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	7.80	168	139096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	280339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	243717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	84621	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	81428	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
35) Dibromofluoromethane	7.74	113	82327	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	10.19	98	337573	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.49	95	98608	42.81	ug/l	0.00
Spiked Amount			Recovery	=	85.62%	

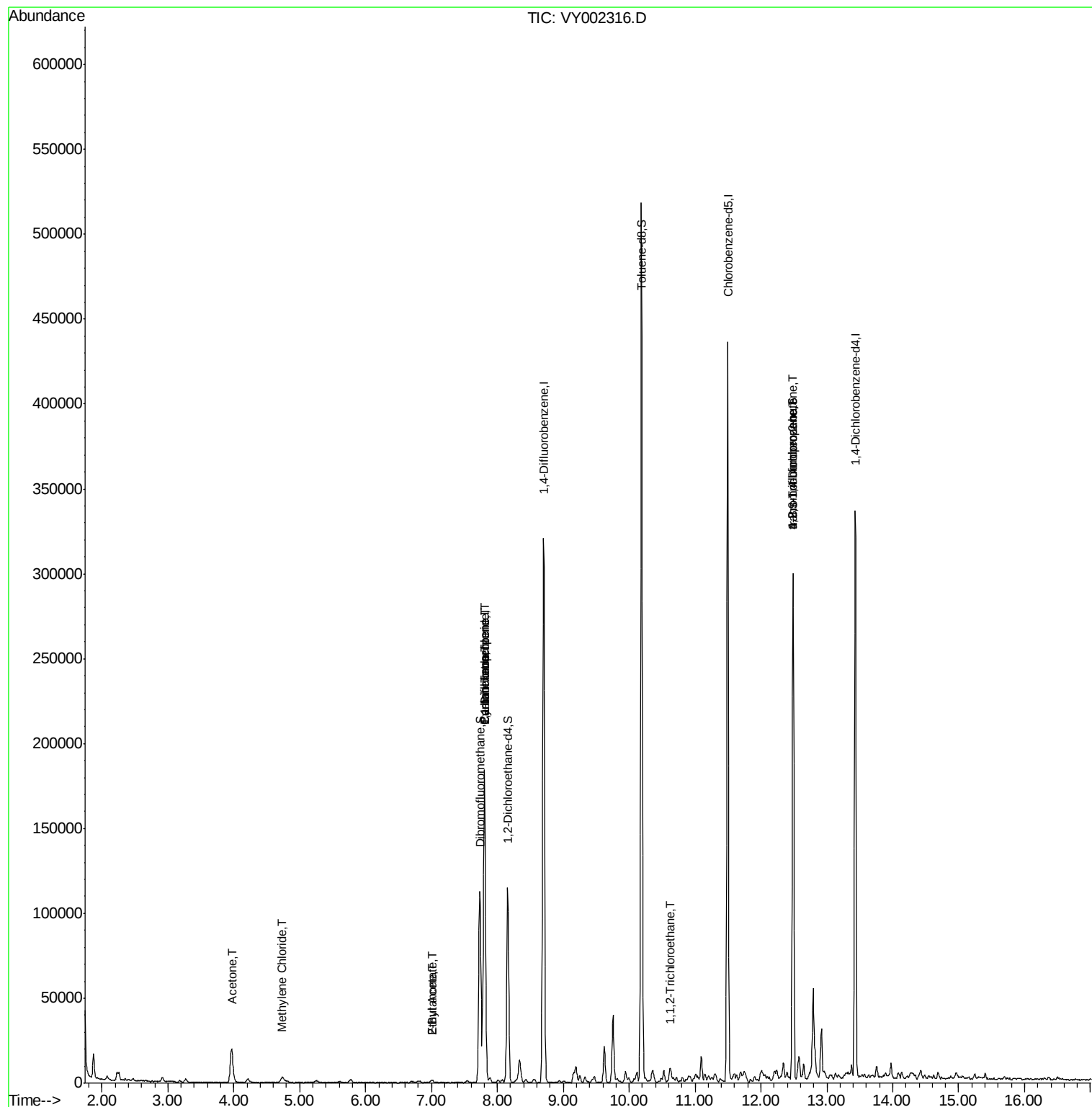
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	100	Below Cal	#	77
16) Acetone	3.96	43	36010	88.387	ug/l	97
20) Methylene Chloride	4.74	84	2118	1.058	ug/l	88
25) 2-Butanone	7.01	43	1944	3.015	ug/l #	83
31) Cyclohexane	7.80	56	3865	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11095	4.018	ug/l #	49
37) Ethyl Acetate	7.01	43	1944	1.232	ug/l #	70
38) Carbon Tetrachloride	7.80	117	13851	5.864	ug/l #	18
55) 1,1,2-Trichloroethane	10.63	97	2842	1.786	ug/l #	20
76) 1,2,3-Trichloropropane	12.49	75	48275	49.128	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	48275	95.553	ug/l #	19

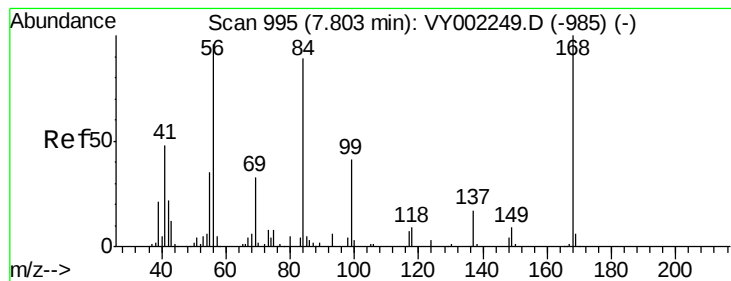
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
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: VY002316.D

Acq: 14 Apr 2020 18:03

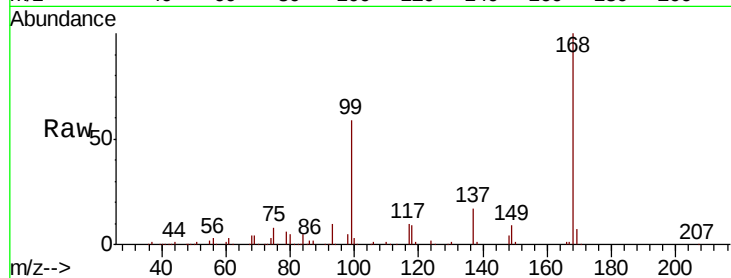
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 139096

Ion Ratio Lower Upper

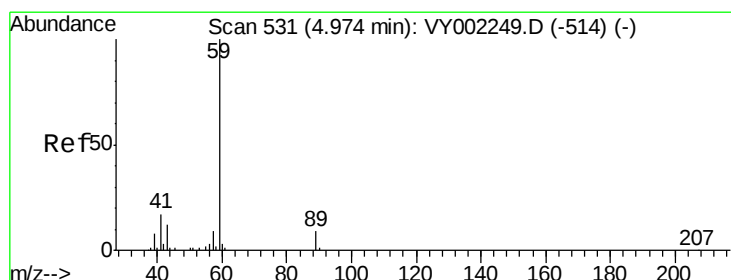
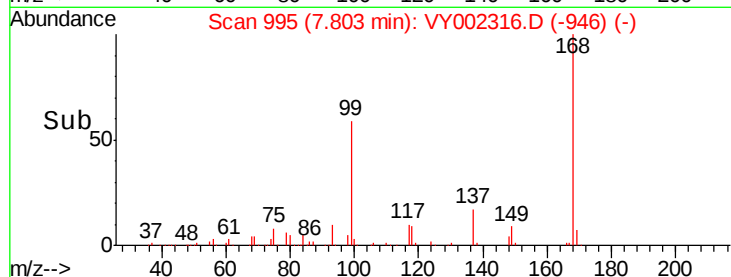
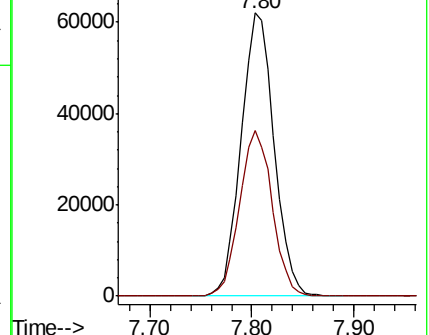
168 100

99 58.7 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.01 min

Lab File: VY002316.D

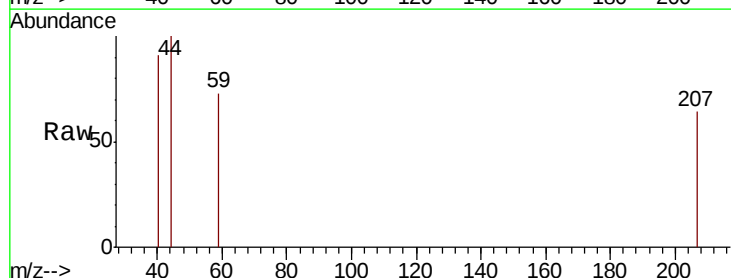
Acq: 14 Apr 2020 18:03

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

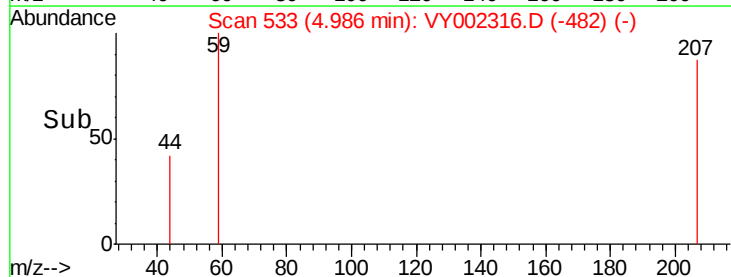
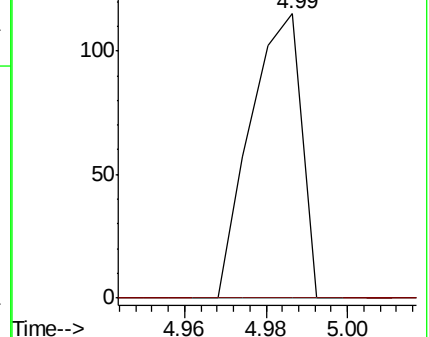
59 100

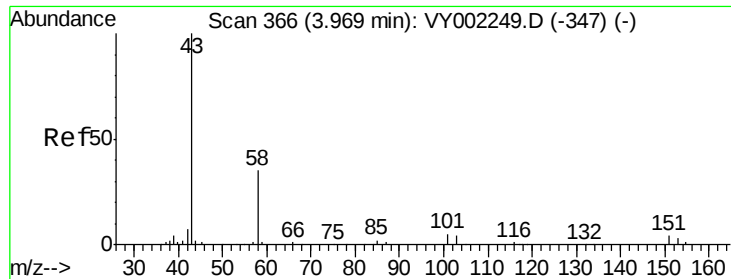
57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)





#16

Acetone

Concen: 88.387 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

Instrument :

MSVOA_Y

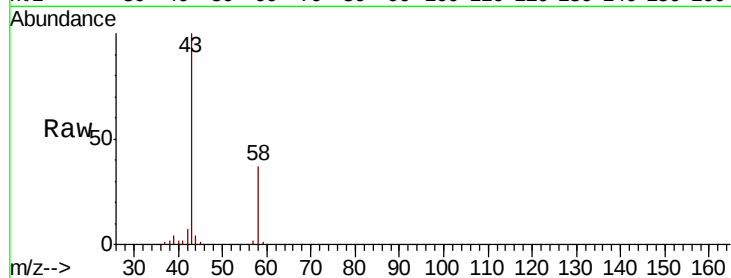
ClientSampled :

Tot Ion: 43 Resp: 36010

Ion Ratio Lower Upper

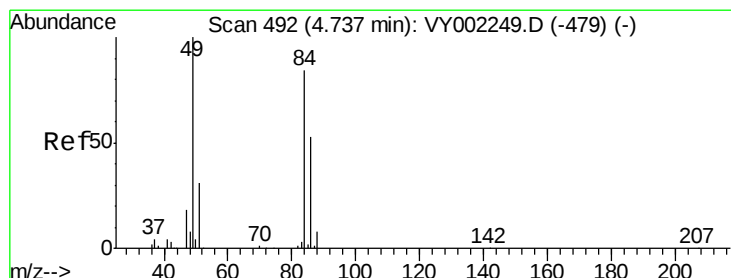
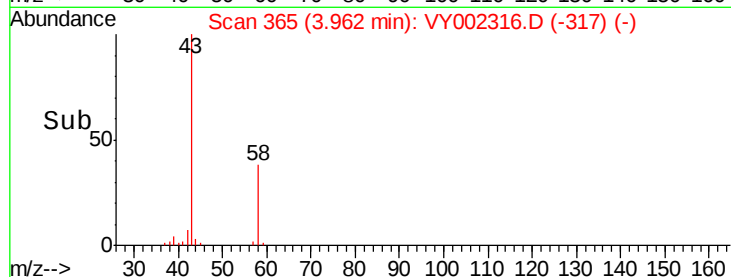
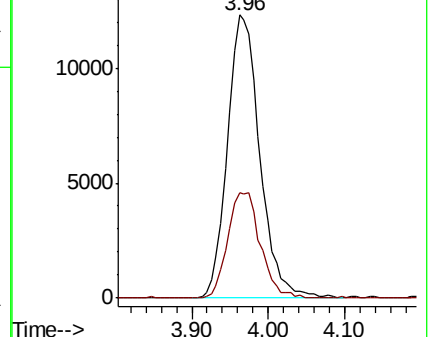
43 100

58 37.3 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: 1.058 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

Tgt Ion: 84 Resp: 2118

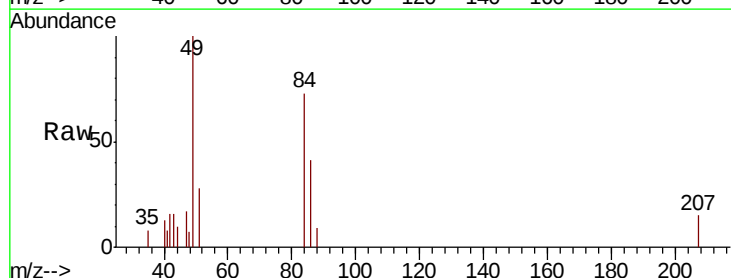
Ion Ratio Lower Upper

84 100

49 137.7 95.5 143.3

51 39.1 29.5 44.3

86 56.3 50.7 76.1

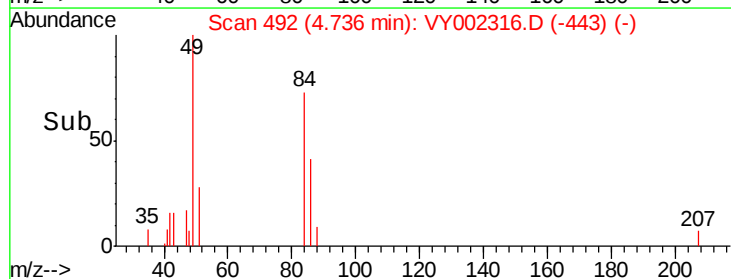
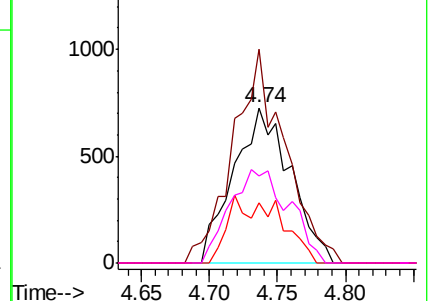


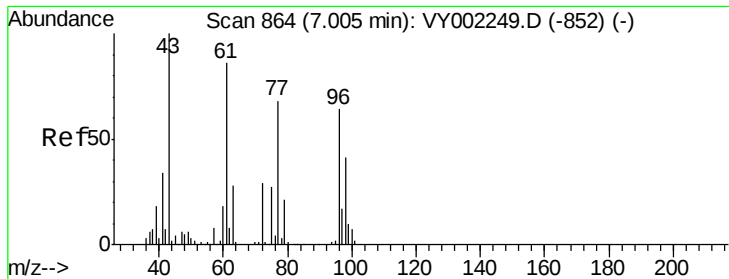
Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002249.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002249.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002249.D (-479) (-)





#25

2-Butanone

Concen: 3.015 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

Instrument :

MSVOA_Y

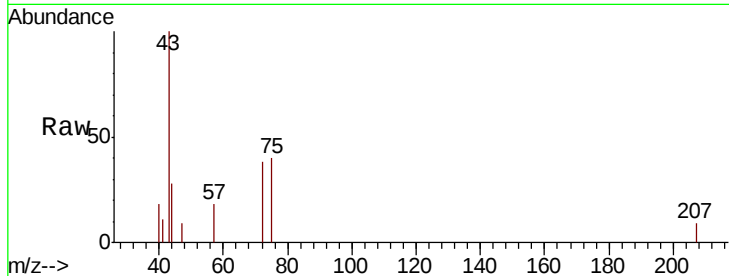
ClientSampleId :

Tot Ion: 43 Resp: 1944

Ion Ratio Lower Upper

43 100

72 37.9 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.01

600

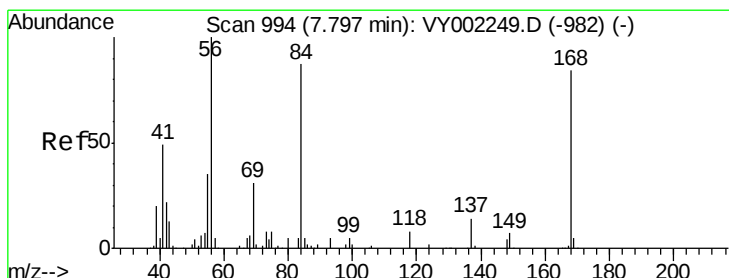
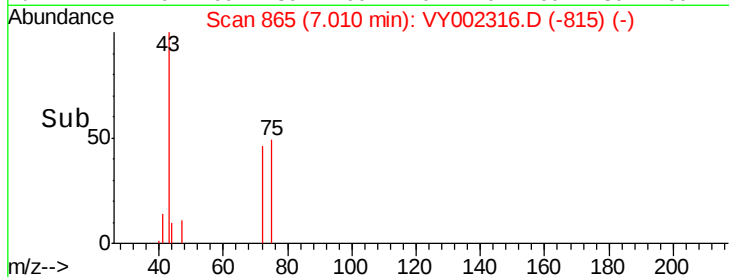
400

200

0

6.95 7.00 7.05 7.10

Time-->



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

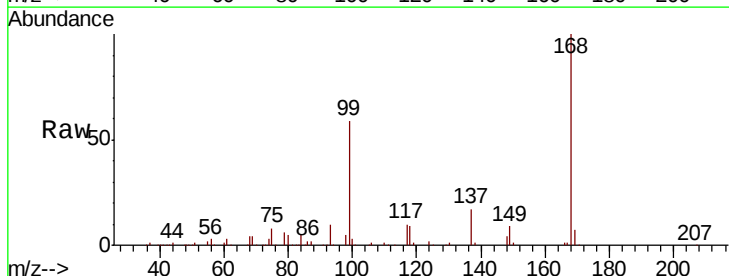
Tgt Ion: 56 Resp: 3865

Ion Ratio Lower Upper

56 100

69 133.8 25.0 37.6#

84 207.0 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

4000

3000

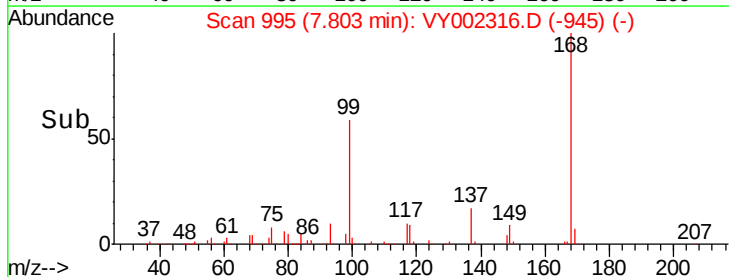
2000

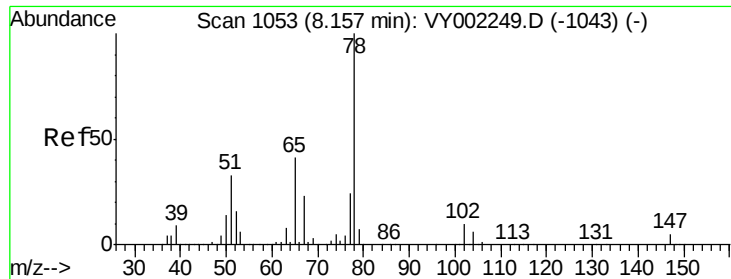
1000

0

7.75 7.80 7.85

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.641 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

Instrument :

MSVOA_Y

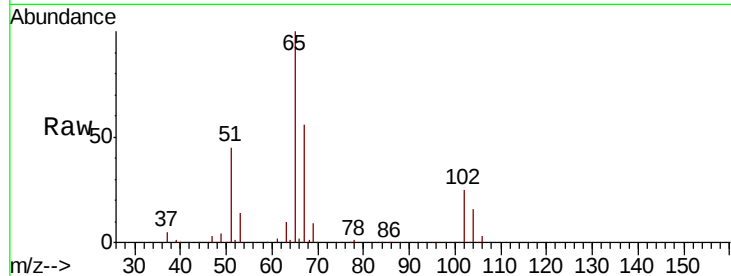
ClientSampleId :

Tot Ion: 65 Resp: 81428

Ion Ratio Lower Upper

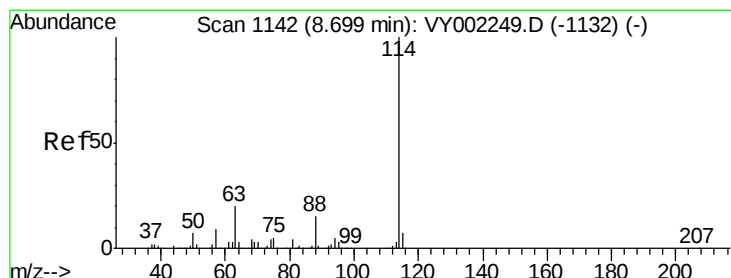
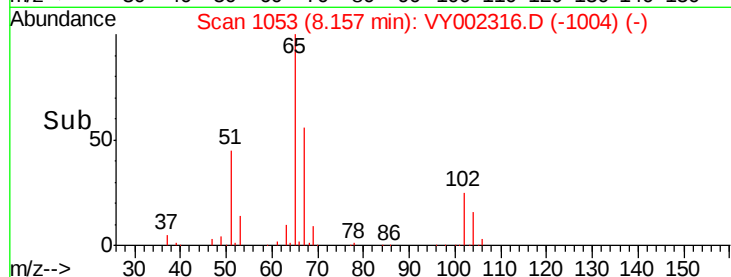
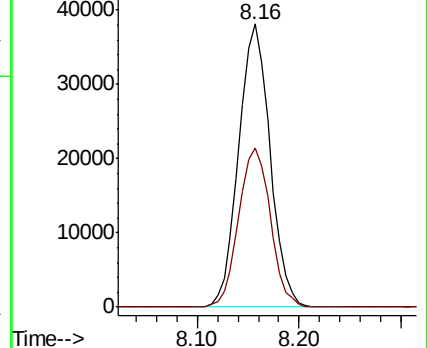
65 100

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: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

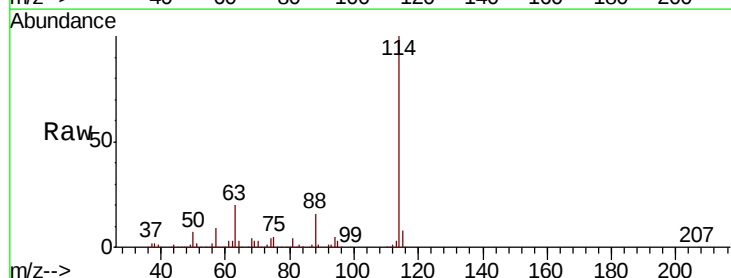
Tgt Ion: 114 Resp: 280339

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

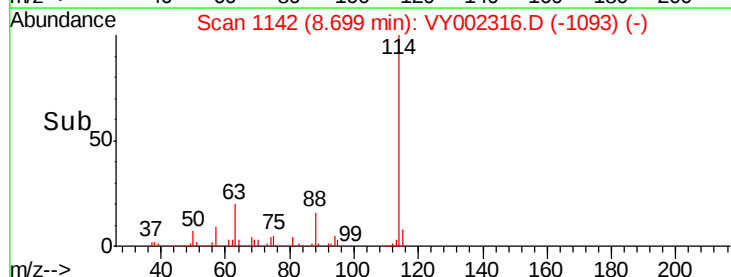
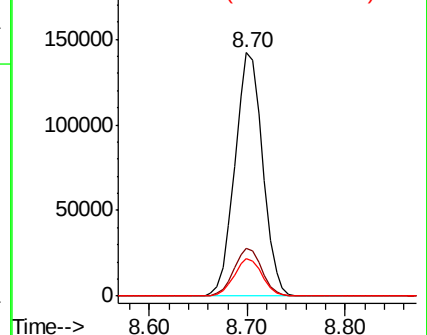
88 15.6 0.0 31.0

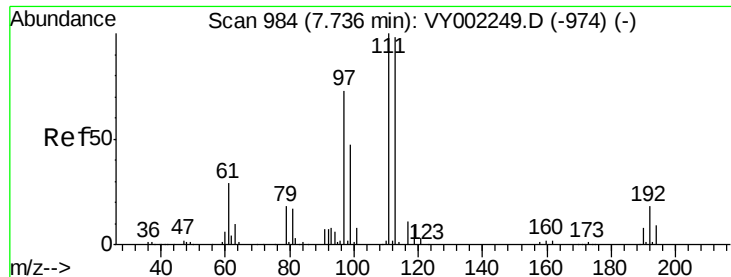


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

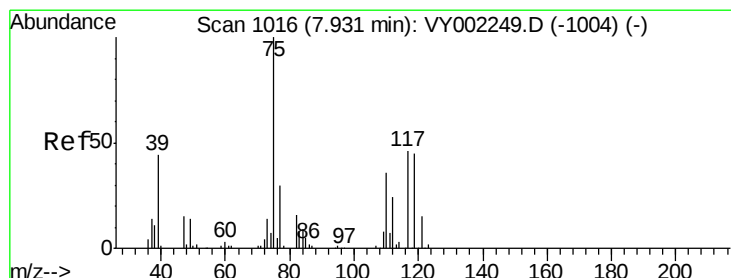
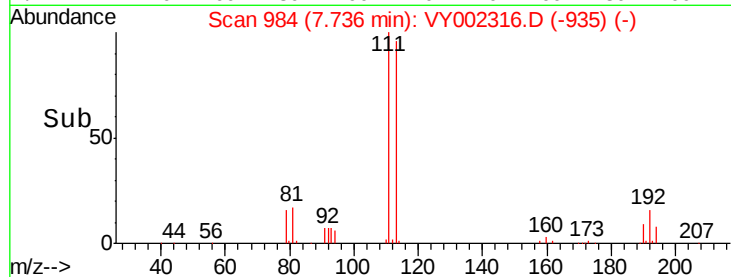
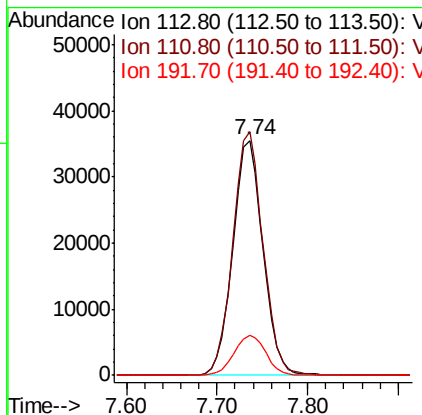
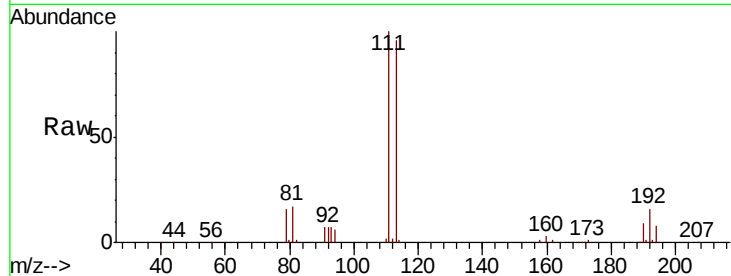




#35
 Dibromofluoromethane
 Concen: 49.353 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002316.D
 Acq: 14 Apr 2020 18:03

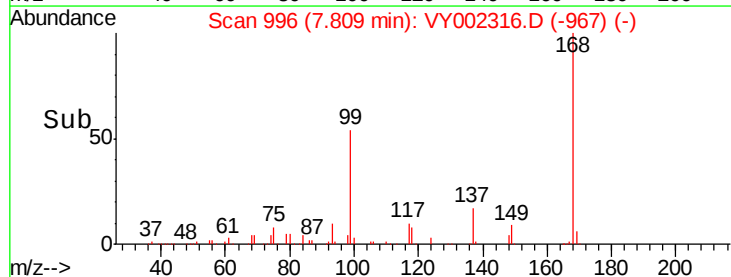
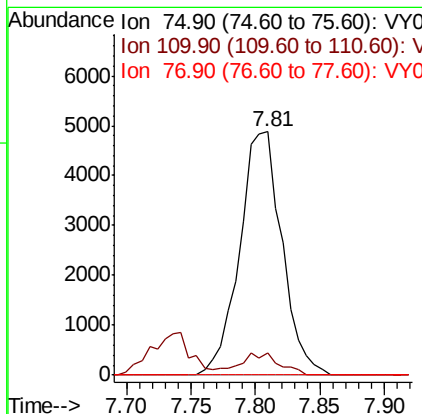
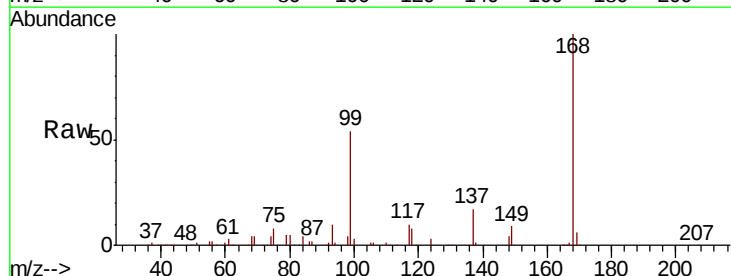
Instrument :
 MSVOA_Y
 ClientSampleId :

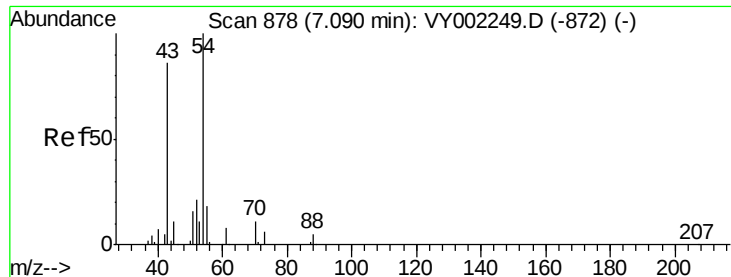
Tot Ion:113 Resp: 82327
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.5 125.3
 192 18.0 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.018 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002316.D
 Acq: 14 Apr 2020 18:03

Tgt Ion: 75 Resp: 11095
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.3#
 77 0.0 24.4 36.6#

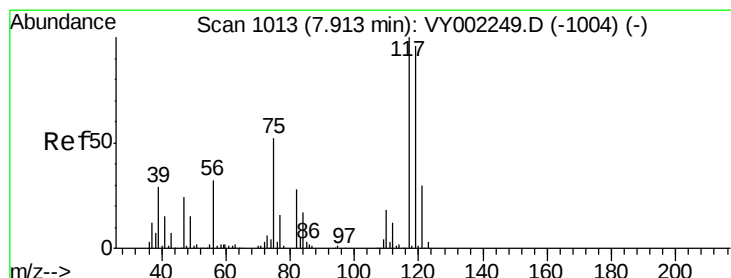
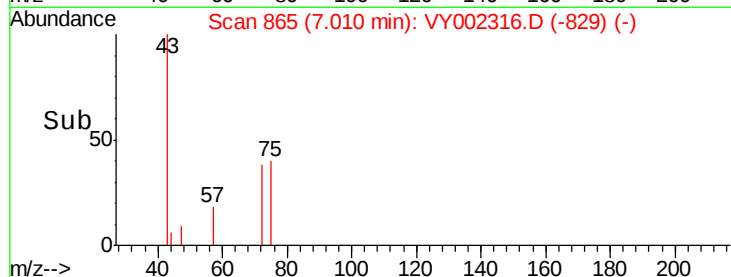
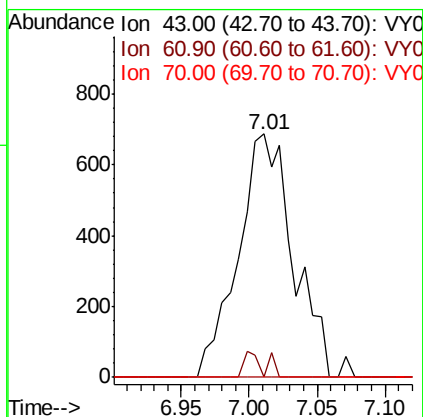
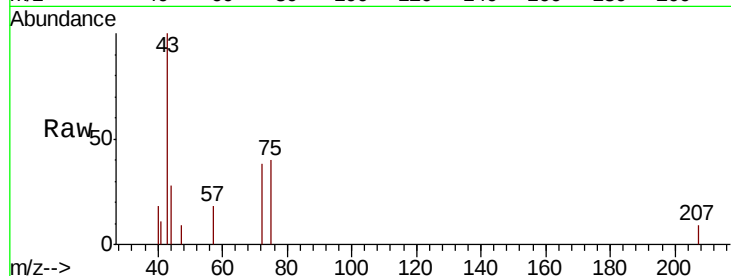




#37
Ethyl Acetate
Concen: 1.232 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.08 min
Lab File: VY002316.D
Acq: 14 Apr 2020 18:03

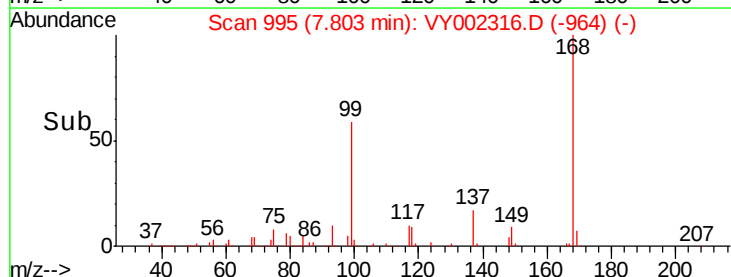
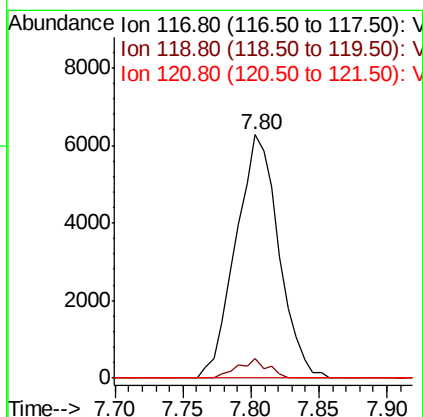
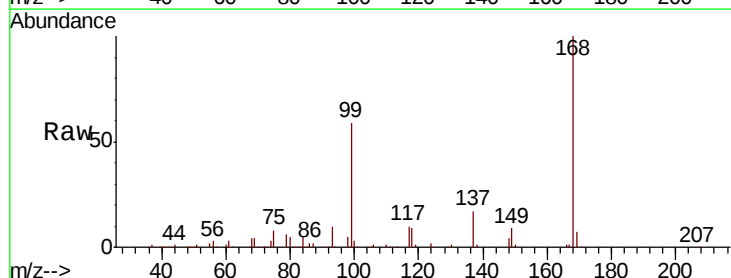
Instrument :
MSVOA_Y
ClientSampleId :

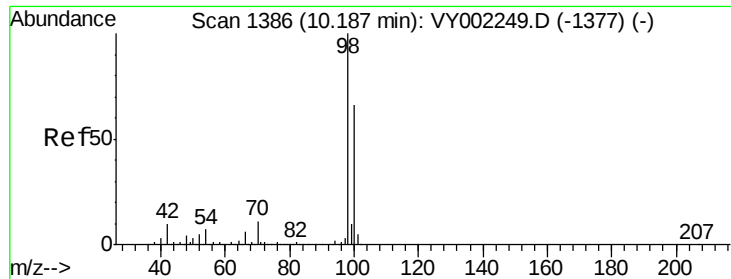
Tot Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
61 2.5 11.8 17.6#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.864 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY002316.D
Acq: 14 Apr 2020 18:03

Tgt Ion: 117 Resp: 13851
Ion Ratio Lower Upper
117 100
119 7.8 77.1 115.7#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 48.349 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

Instrument :

MSVOA_Y

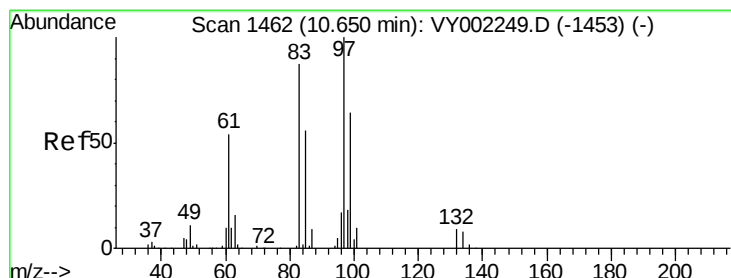
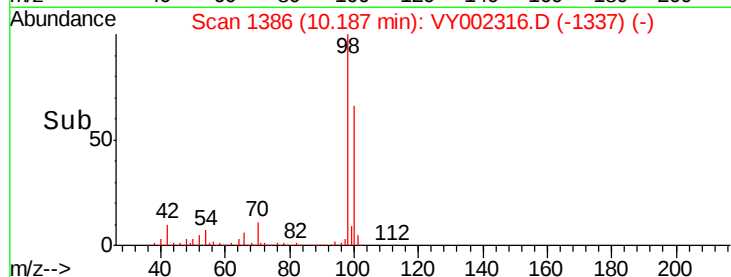
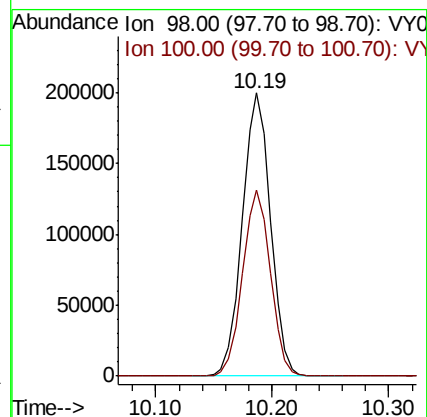
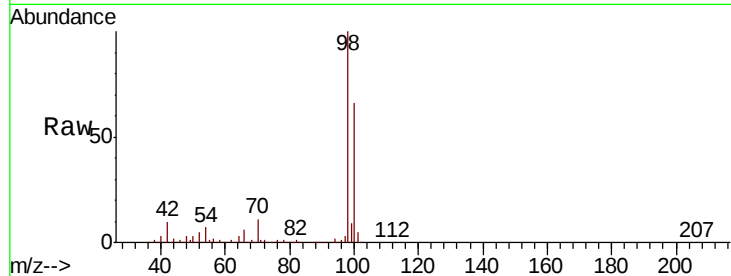
ClientSampleId :

Tot Ion: 98 Resp: 337573

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



#55

1,1,2-Trichloroethane

Concen: 1.786 ug/l

RT: 10.63 min Scan# 1458

Delta R.T. -0.02 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

Tgt Ion: 97 Resp: 2842

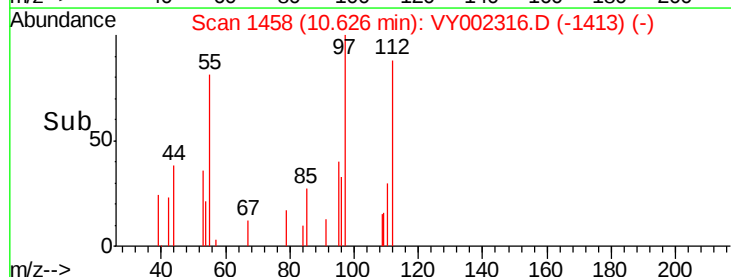
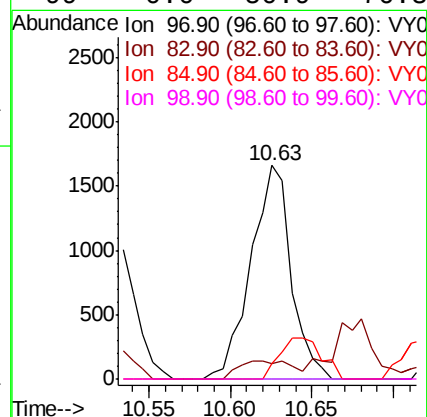
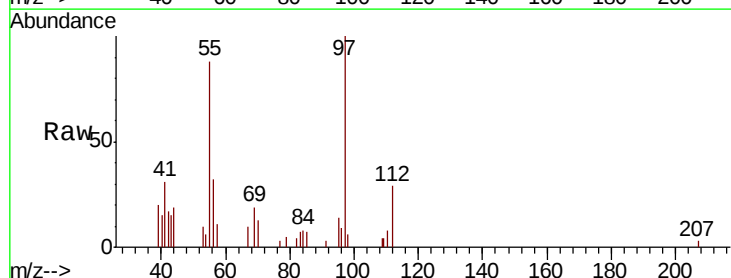
Ion Ratio Lower Upper

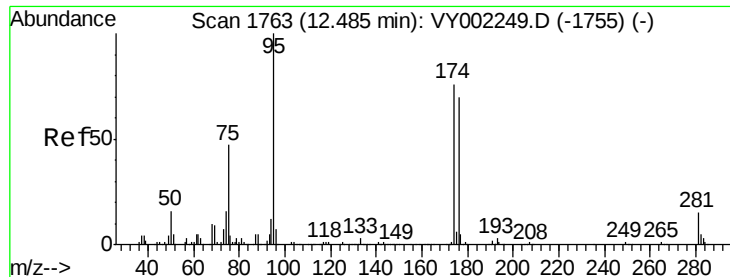
97 100

83 7.4 69.5 104.3#

85 7.3 45.2 67.8#

99 0.0 50.9 76.3#

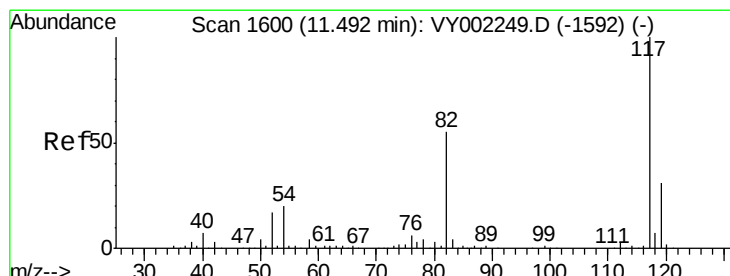
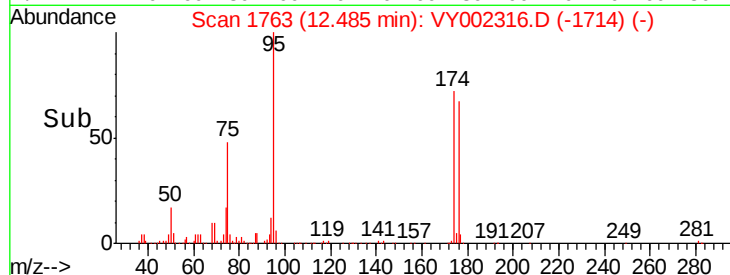
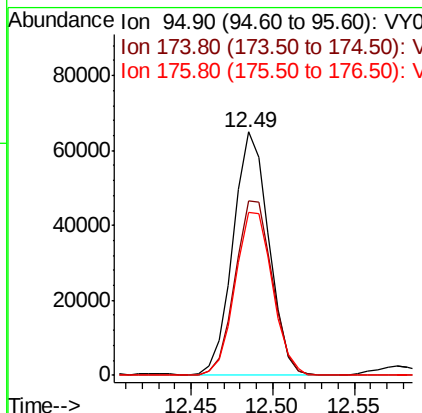
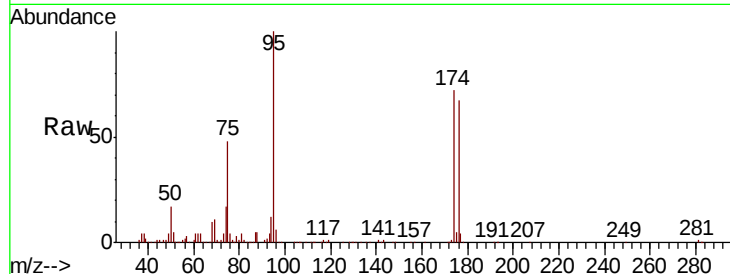




#62
4-Bromofluorobenzene
Concen: 42.809 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002316.D
Acq: 14 Apr 2020 18:03

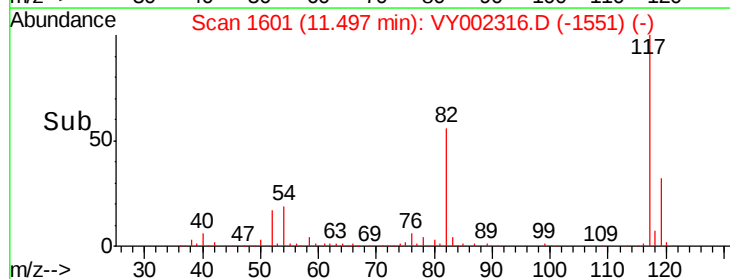
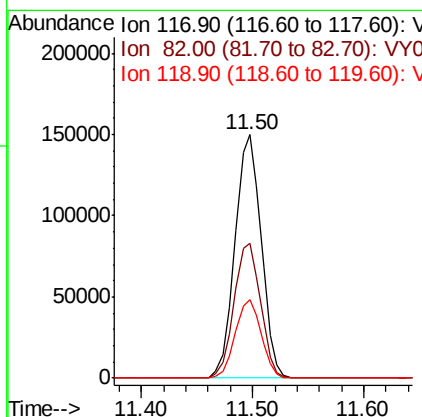
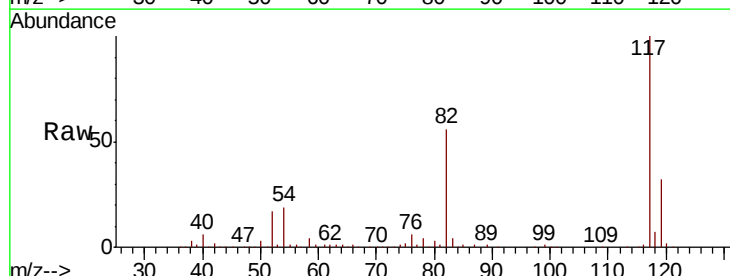
Instrument :
MSVOA_Y
ClientSampled :

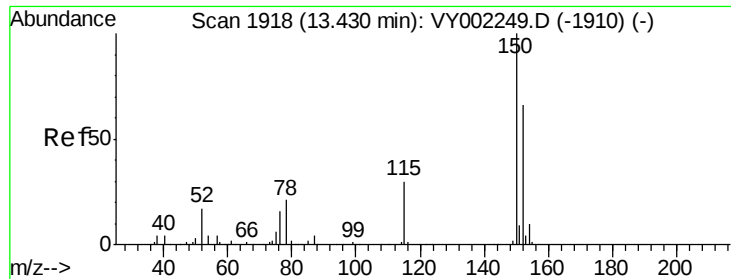
Tot Ion: 95 Resp: 98608
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.6
176 70.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002316.D
Acq: 14 Apr 2020 18:03

Tgt Ion: 117 Resp: 243717
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.4
119 32.3 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: VY002316.D

Acq: 14 Apr 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

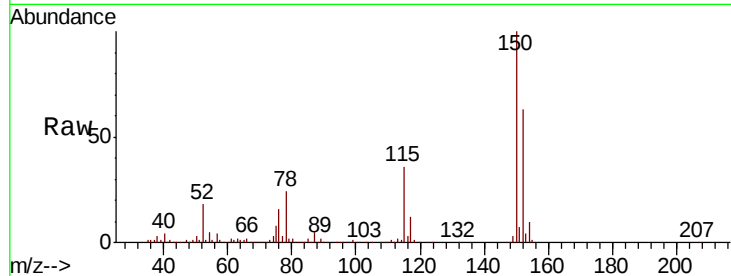
Tot Ion:152 Resp: 84621

Ion Ratio Lower Upper

152 100

115 61.1 30.7 92.1

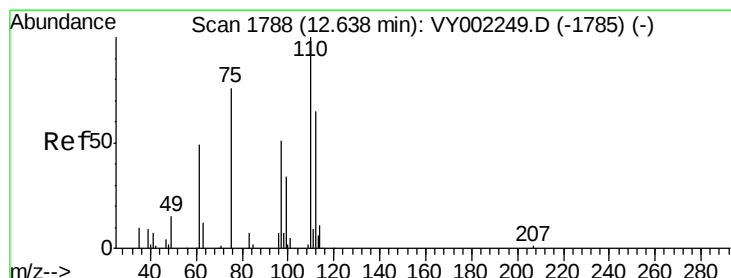
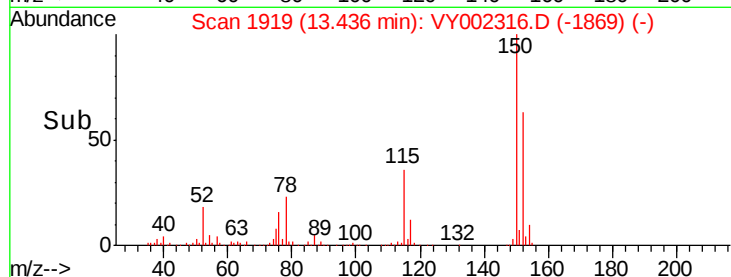
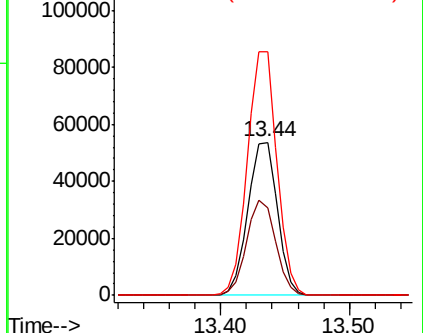
150 158.7 0.0 350.6



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: 49.128 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002316.D

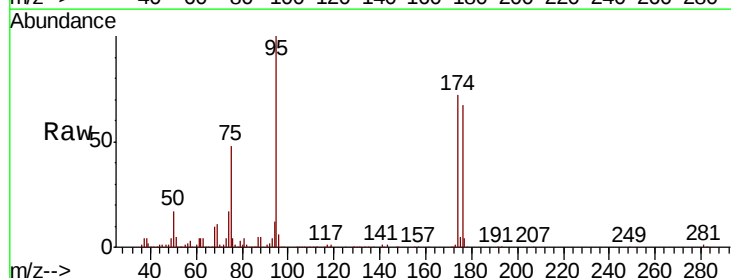
Acq: 14 Apr 2020 18:03

Tgt Ion: 75 Resp: 48275

Ion Ratio Lower Upper

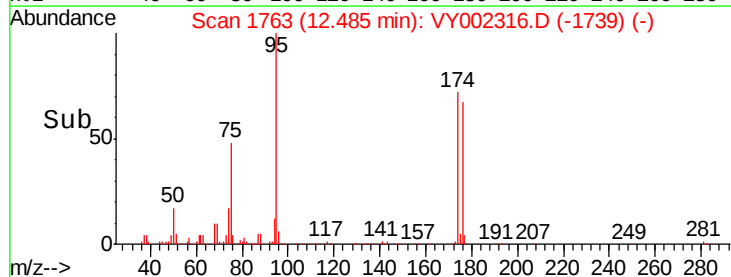
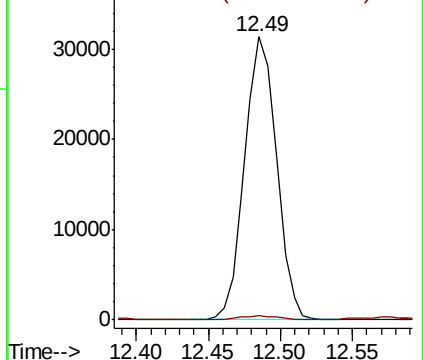
75 100

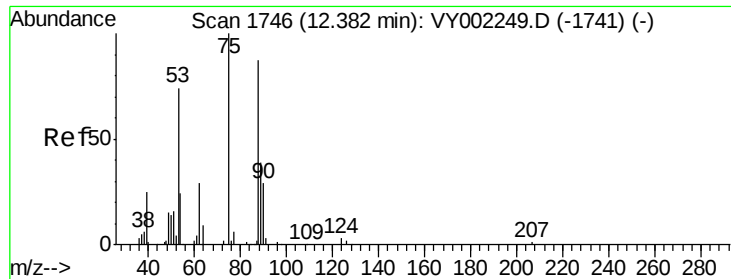
77 1.6 0.0 0.0#



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: 95.553 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002316.D

Acq: 14 Apr 2020 18:03

Instrument :

MSVOA_Y

ClientSampleId :

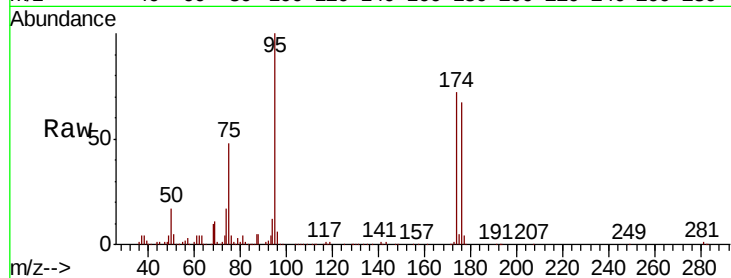
Tot Ion: 75 Resp: 48275

Ion Ratio Lower Upper

75 100

53 0.3 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

