

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002415.D
 Acq On : 17 Apr 2020 21:10
 Operator : SY/MD
 Sample : L2283-07
 Misc : 4.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:41:17 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	62807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	122965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	121497	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	55896	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	30348	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	
35) Dibromofluoromethane	7.74	113	34987	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	10.19	98	148298	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.49	95	50582	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	

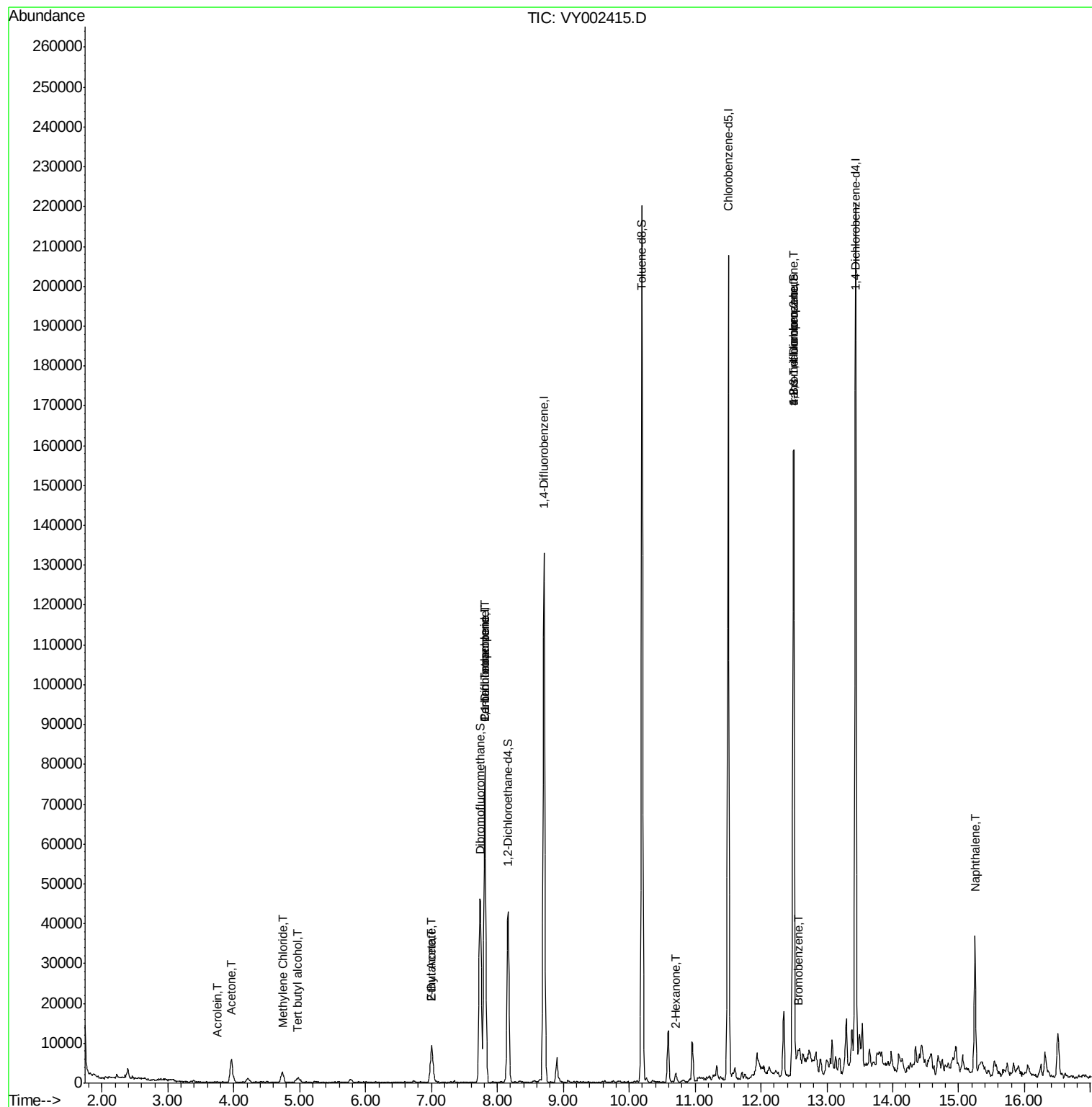
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	2811	4.957	ug/l #	90
13) Acrolein	3.74	56	116	1.288	ug/l #	15
16) Acetone	3.97	43	9312	50.619	ug/l	95
20) Methylene Chloride	4.74	84	2429	2.686	ug/l #	73
25) 2-Butanone	7.00	43	4510	15.491	ug/l	93
36) 1,1-Dichloropropene	7.82	75	4404	3.636	ug/l #	49
37) Ethyl Acetate	7.00	43	4510	6.518	ug/l #	75
38) Carbon Tetrachloride	7.82	117	5966	5.759	ug/l #	14
59) 2-Hexanone	10.71	43	1475	3.232	ug/l	73
76) 1,2,3-Trichloropropane	12.49	75	24255	37.369	ug/l #	100
77) Bromobenzene	12.56	156	3911	4.048	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	24255	72.681	ug/l #	19
95) Naphthalene	15.25	128	27560	11.319	ug/l	99

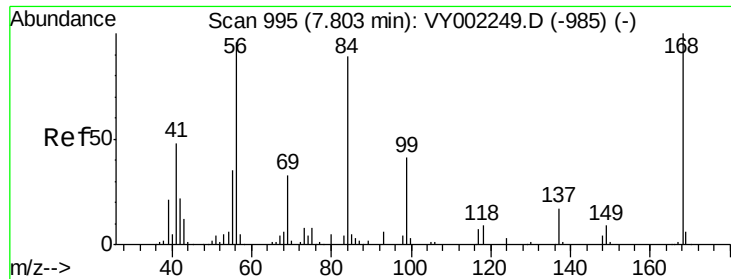
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002415.D

Acq: 17 Apr 2020 21:10

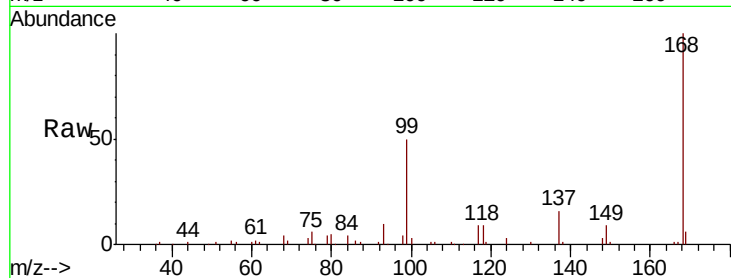
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 62807

Ion Ratio Lower Upper

168 100

99 50.4 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) (-)

7.81

30000

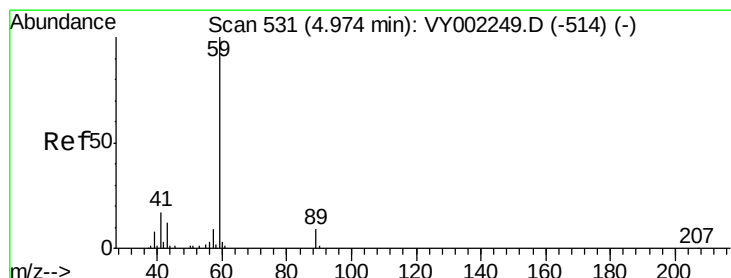
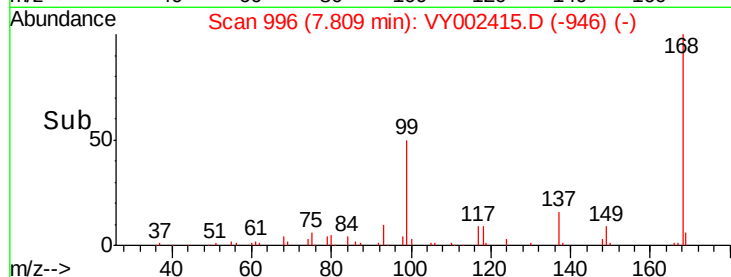
20000

10000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 4.957 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY002415.D

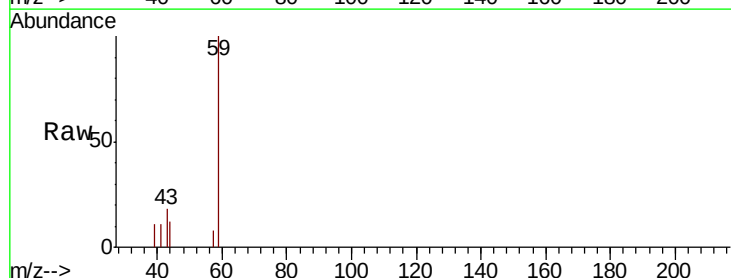
Acq: 17 Apr 2020 21:10

Tgt Ion: 59 Resp: 2811

Ion Ratio Lower Upper

59 100

57 4.6 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) (-)

4.98

1000

800

600

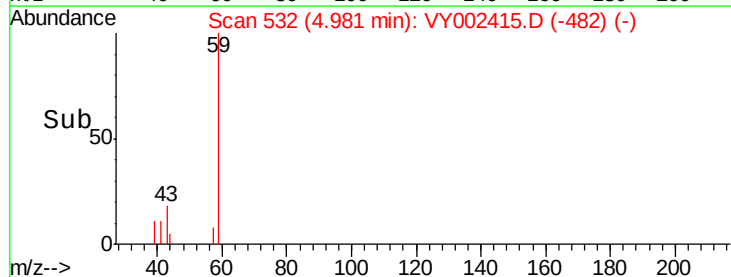
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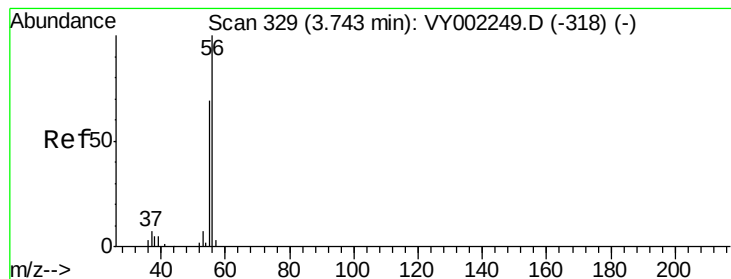
200

0

Time-->

4.85 4.90 4.95 5.00 5.05





#13

Acrolein

Concen: 1.288 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.00 min

Lab File: VY002415.D

Acq: 17 Apr 2020 21:10

Instrument :

MSVOA_Y

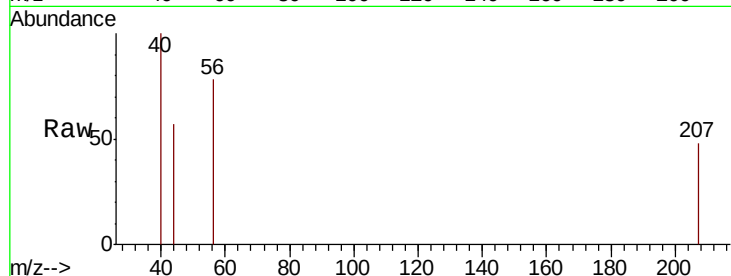
ClientSampled :

Tot Ion: 56 Resp: 116

Ion Ratio Lower Upper

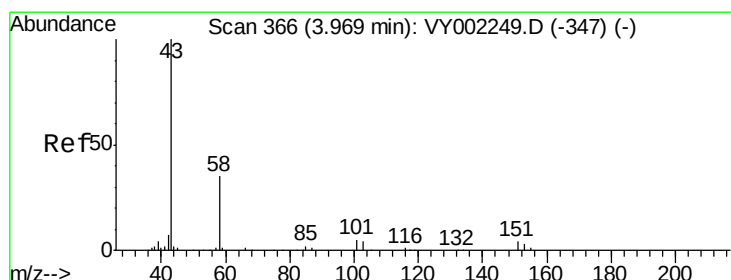
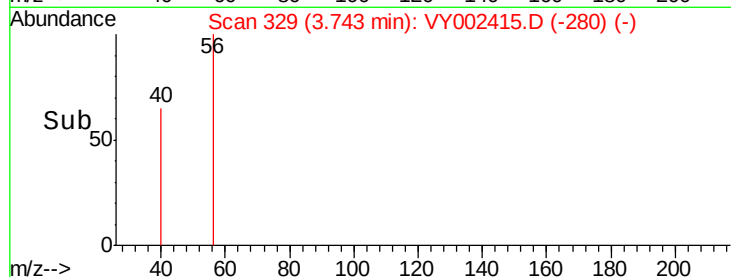
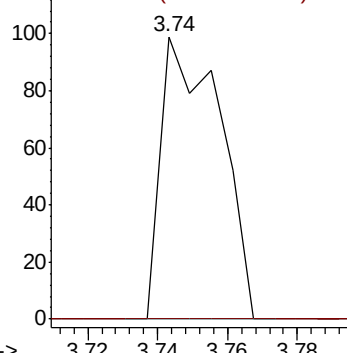
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 50.619 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002415.D

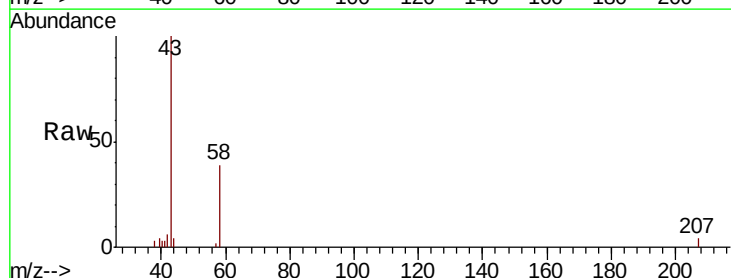
Acq: 17 Apr 2020 21:10

Tgt Ion: 43 Resp: 9312

Ion Ratio Lower Upper

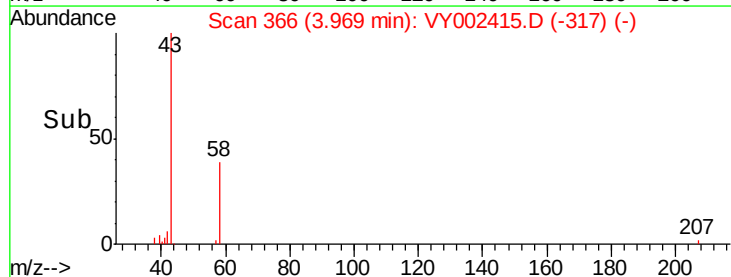
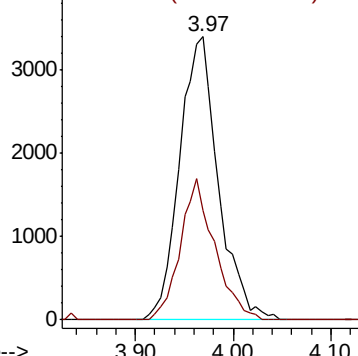
43 100

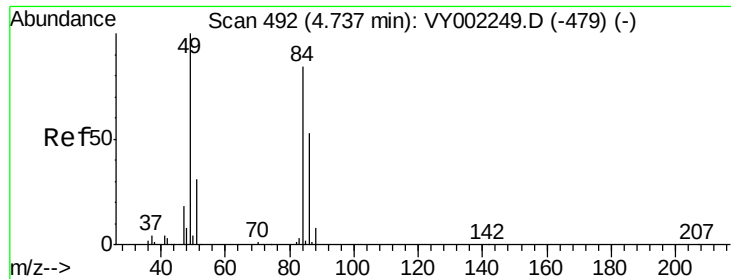
58 38.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

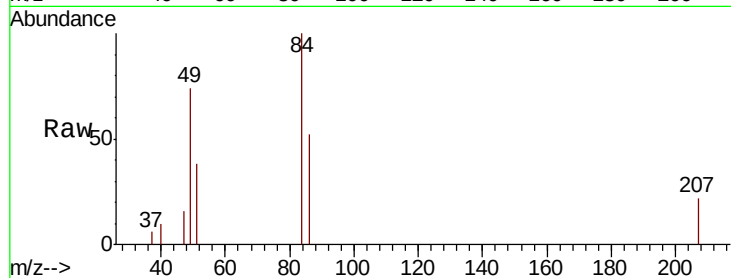




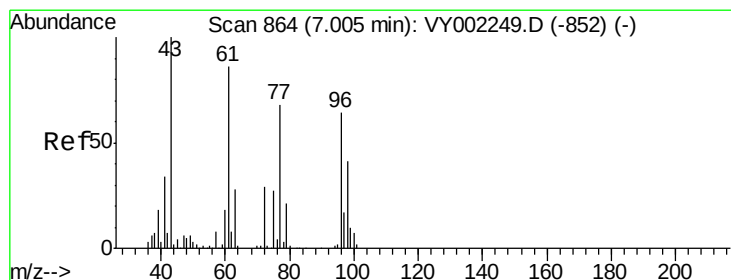
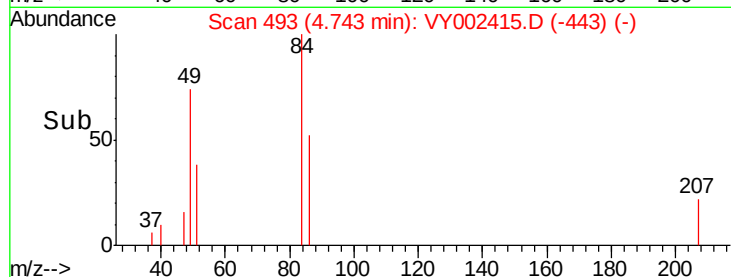
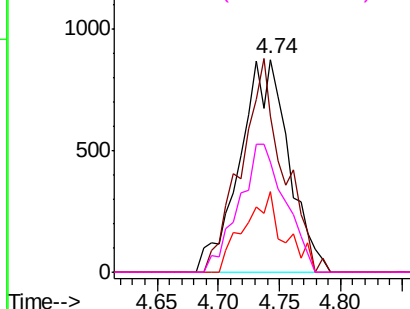
#20
Methylene Chloride
Concen: 2.686 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002415.D
Acq: 17 Apr 2020 21:10

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 2429
Ion Ratio Lower Upper
84 100
49 73.7 95.5 143.3#
51 38.2 29.5 44.3
86 51.7 50.7 76.1

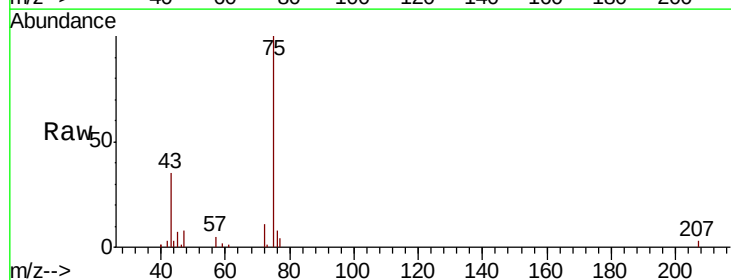


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

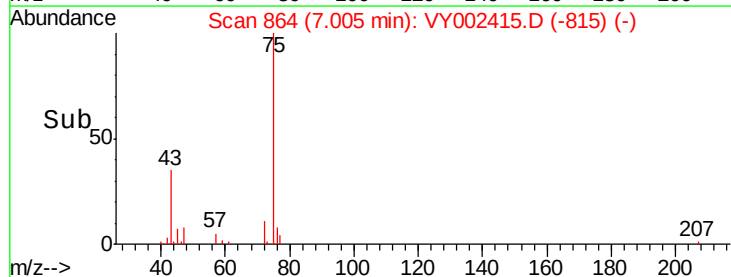
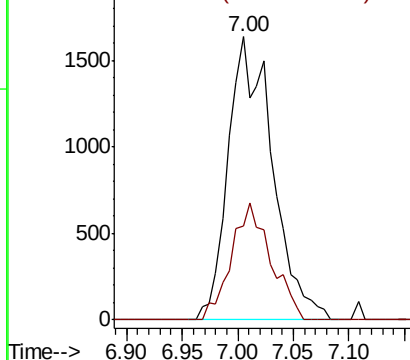


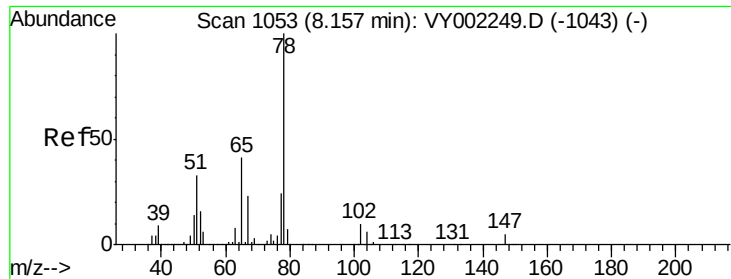
#25
2-Butanone
Concen: 15.491 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002415.D
Acq: 17 Apr 2020 21:10

Tgt Ion: 43 Resp: 4510
Ion Ratio Lower Upper
43 100
72 33.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

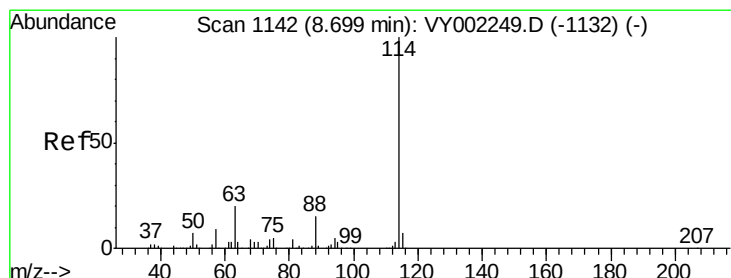
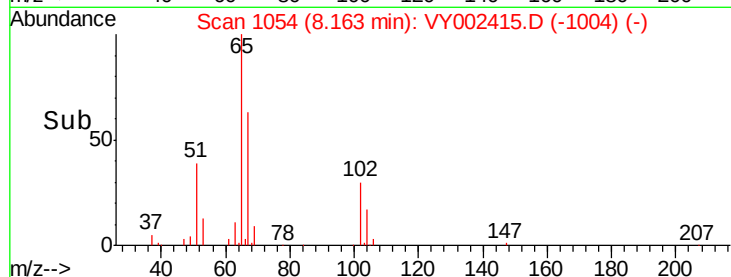
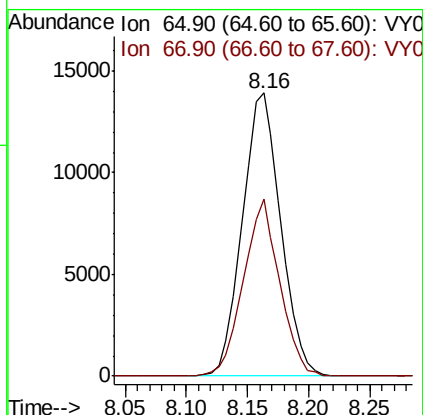
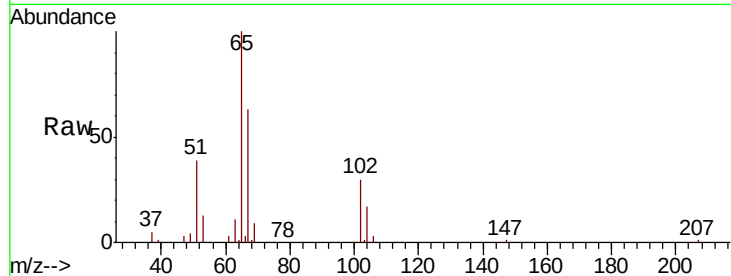




#33
 1,2-Dichloroethane-d4
 Concen: 43.450 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002415.D
 Acq: 17 Apr 2020 21:10

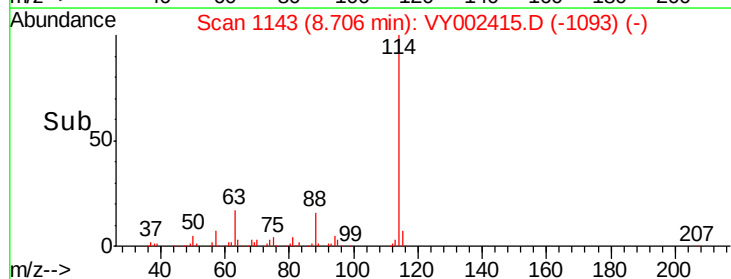
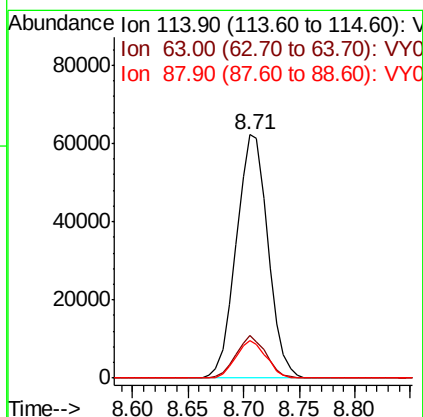
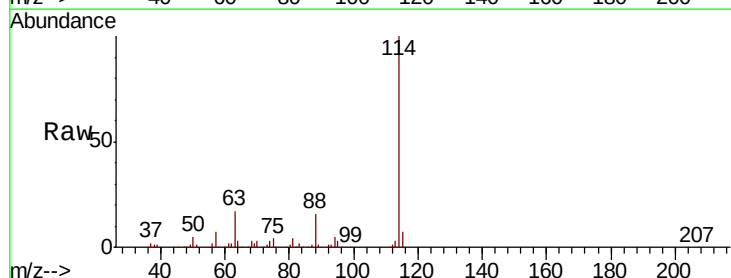
Instrument :
 MSVOA_Y
 ClientSampleId :

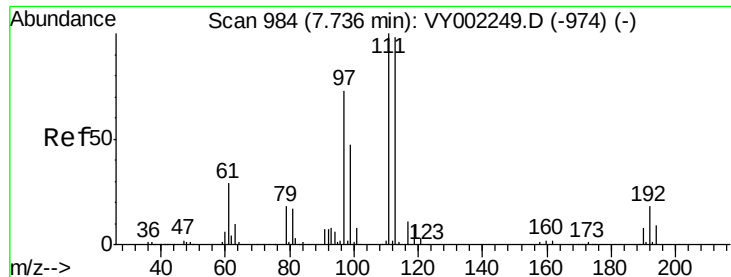
Tot Ion: 65 Resp: 30348
 Ion Ratio Lower Upper
 65 100
 67 59.1 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002415.D
 Acq: 17 Apr 2020 21:10

Tgt Ion: 114 Resp: 122965
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 39.0
 88 15.6 0.0 31.0

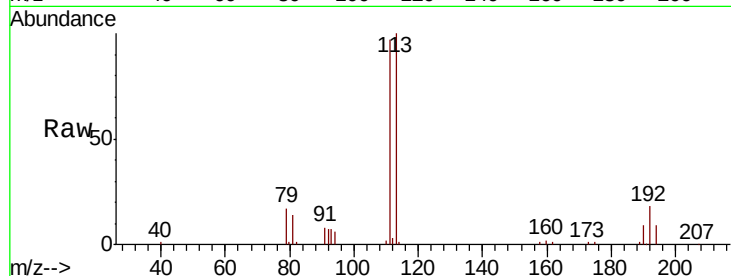




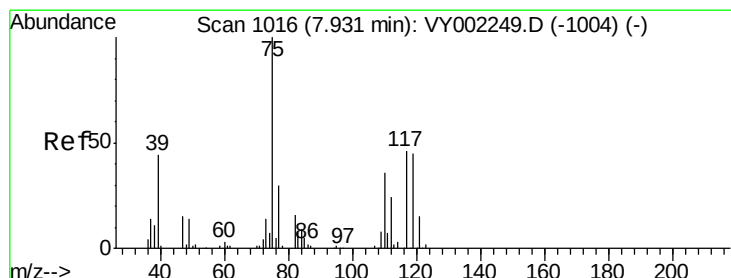
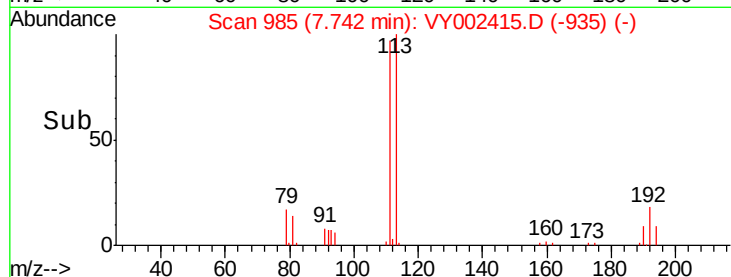
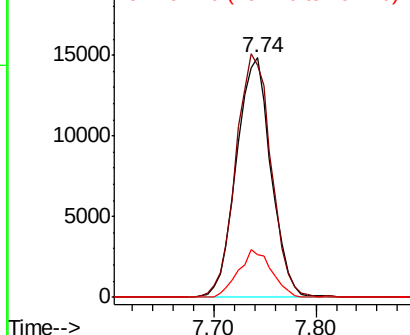
#35
 Dibromofluoromethane
 Concen: 47.817 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002415.D
 Acq: 17 Apr 2020 21:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 34987
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.5 125.3
 192 19.1 14.7 22.1

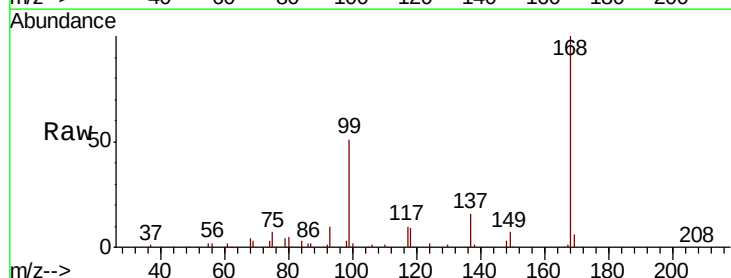


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

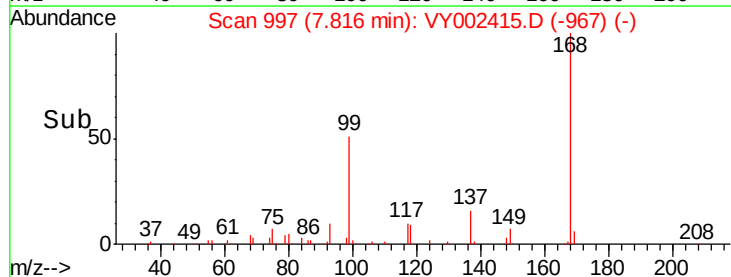
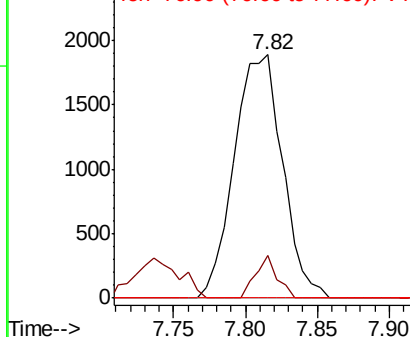


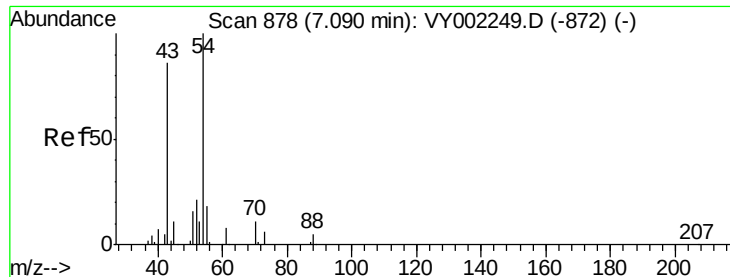
#36
 1,1-Dichloropropene
 Concen: 3.636 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002415.D
 Acq: 17 Apr 2020 21:10

Tgt Ion: 75 Resp: 4404
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.8 53.3#
 77 0.0 24.4 36.6#



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

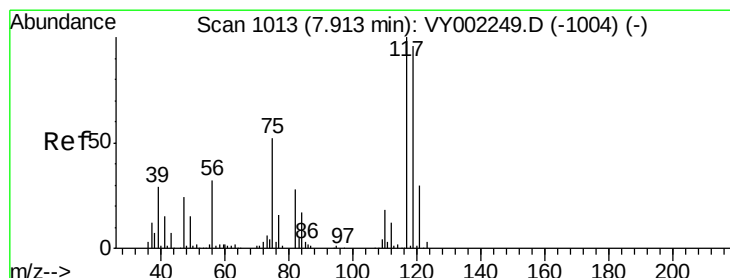
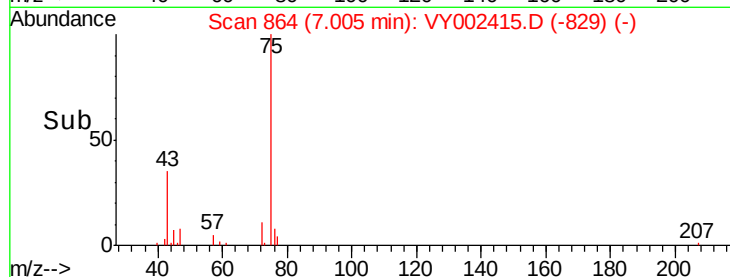
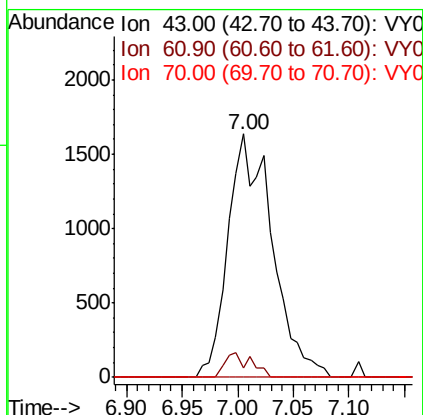
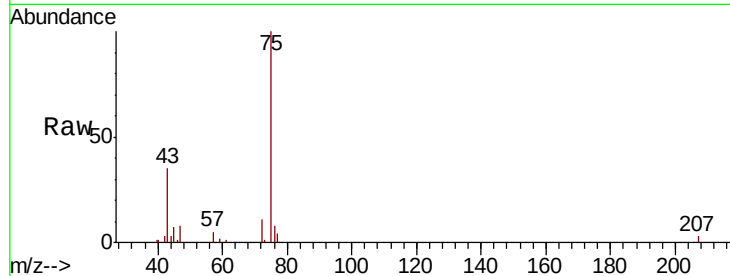




#37
Ethyl Acetate
Concen: 6.518 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY002415.D
Acq: 17 Apr 2020 21:10

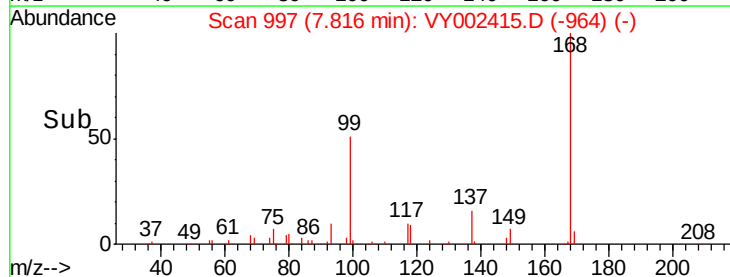
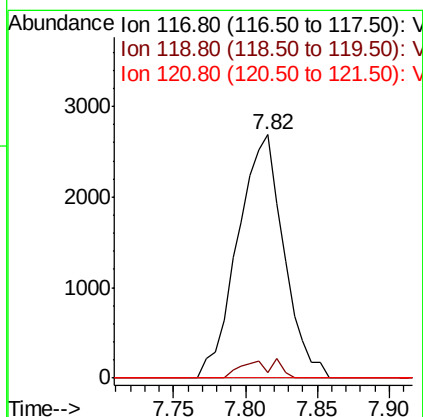
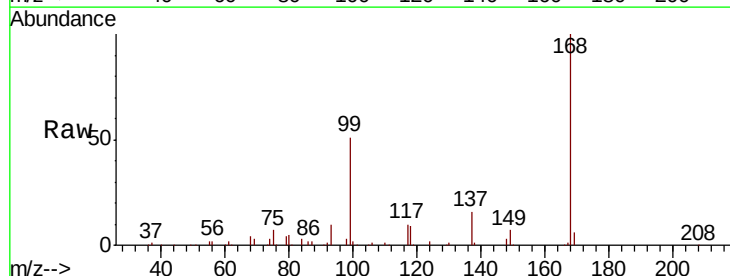
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MSVOA_Y
ClientSampleId :

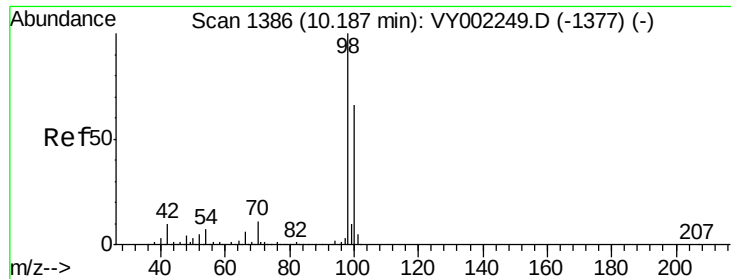
Tot Ion: 43 Resp: 4510
Ion Ratio Lower Upper
43 100
61 5.9 11.8 17.6#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002415.D
Acq: 17 Apr 2020 21:10

Tgt Ion: 117 Resp: 5966
Ion Ratio Lower Upper
117 100
119 2.2 77.1 115.7#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 48.423 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002415.D

Acq: 17 Apr 2020 21:10

Instrument :

MSVOA_Y

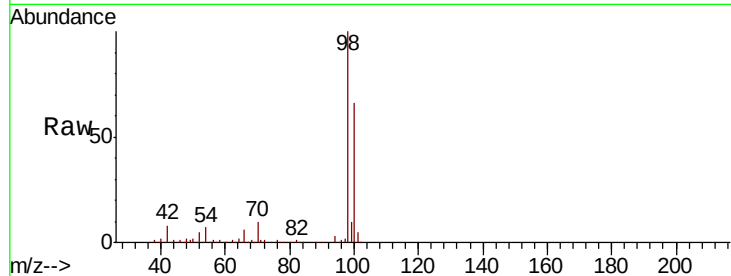
ClientSampleId :

Tot Ion: 98 Resp: 148298

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

10.19

80000

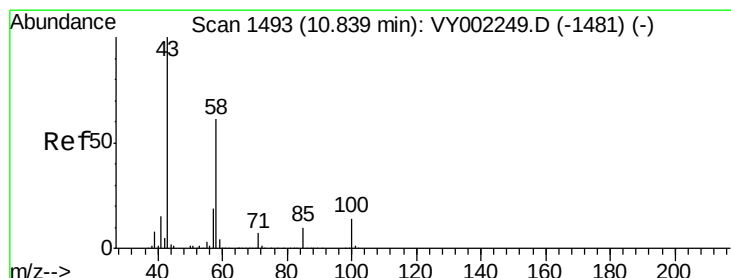
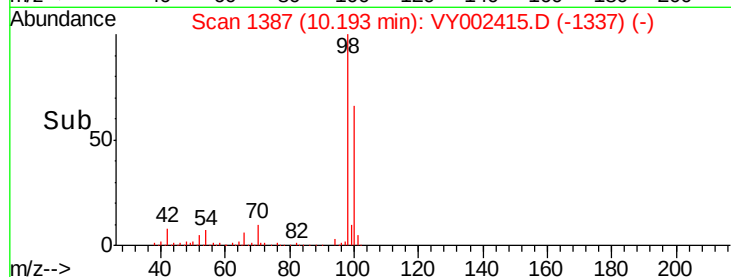
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 3.232 ug/l

RT: 10.71 min Scan# 1471

Delta R.T. -0.13 min

Lab File: VY002415.D

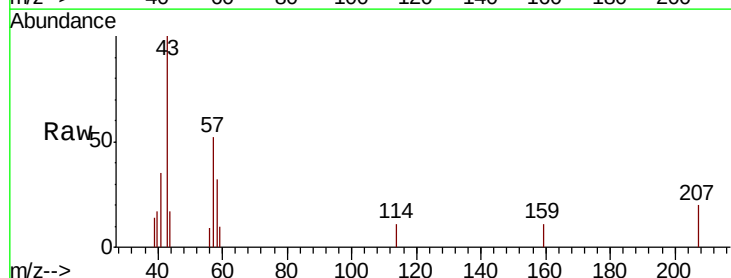
Acq: 17 Apr 2020 21:10

Tgt Ion: 43 Resp: 1475

Ion Ratio Lower Upper

43 100

58 39.1 29.8 89.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.71

800

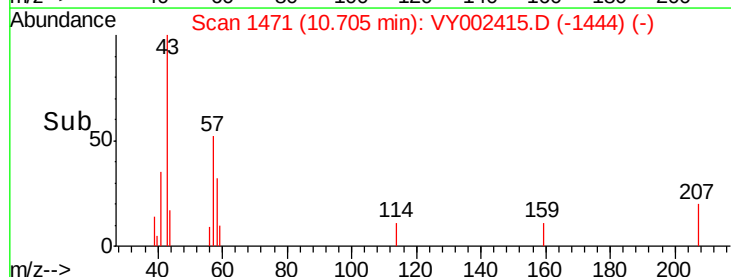
600

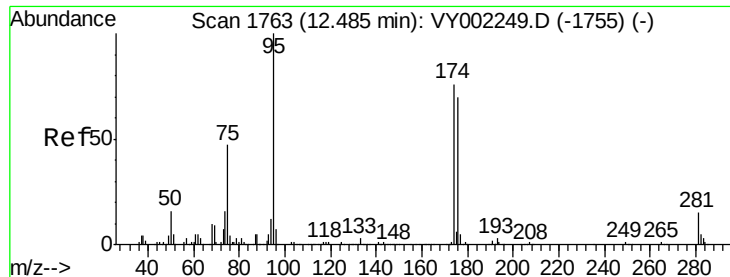
400

200

0

Time-->

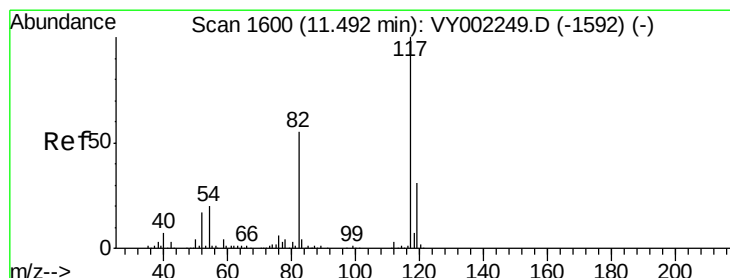
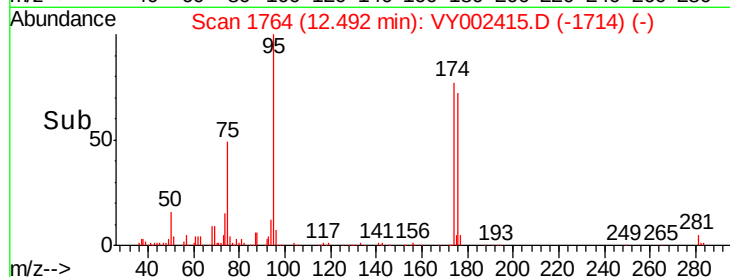
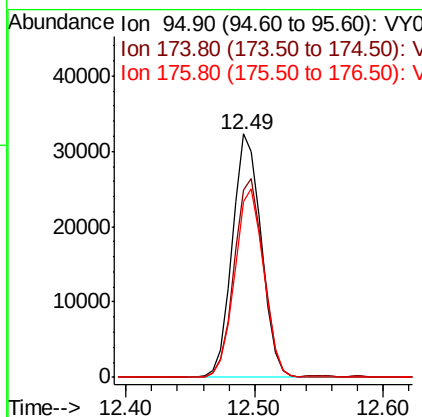
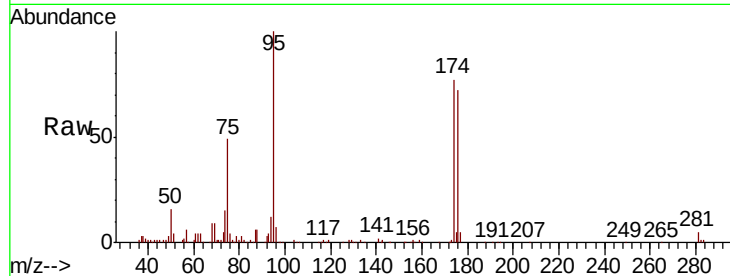




#62
4-Bromofluorobenzene
Concen: 50.063 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002415.D
Acq: 17 Apr 2020 21:10

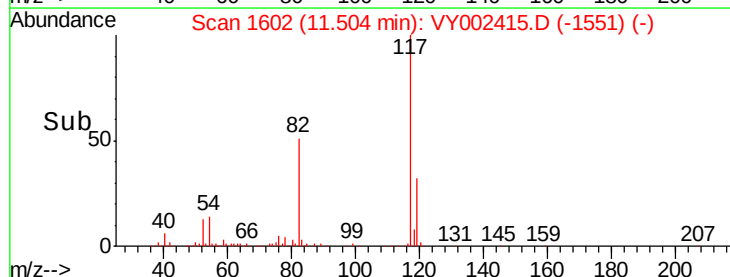
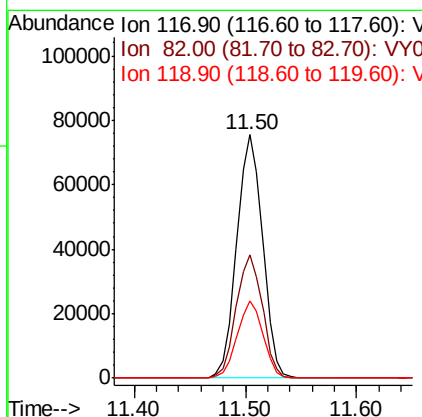
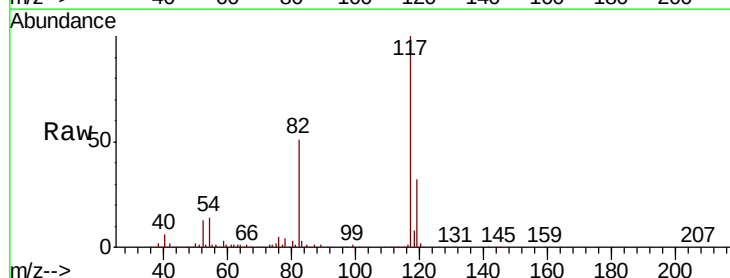
Instrument :
MSVOA_Y
ClientSampleId :

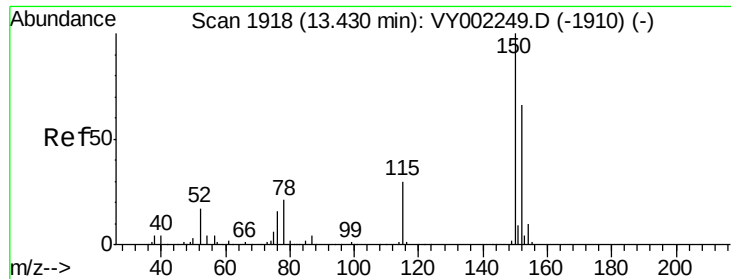
Tot Ion: 95 Resp: 50582
Ion Ratio Lower Upper
95 100
174 82.2 0.0 150.6
176 77.7 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002415.D
Acq: 17 Apr 2020 21:10

Tgt Ion: 117 Resp: 121497
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.4
119 31.7 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: VY002415.D

Acq: 17 Apr 2020 21:10

Instrument :

MSVOA_Y

ClientSampleId :

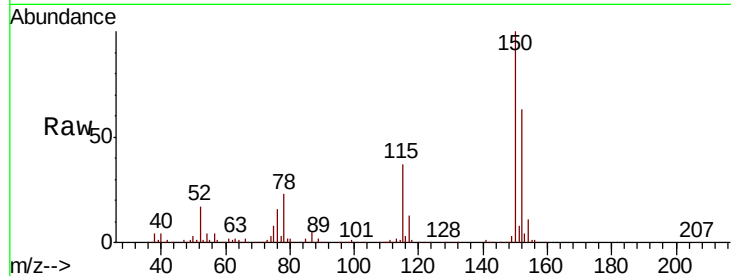
Tot Ion:152 Resp: 55896

Ion Ratio Lower Upper

152 100

115 58.9 30.7 92.1

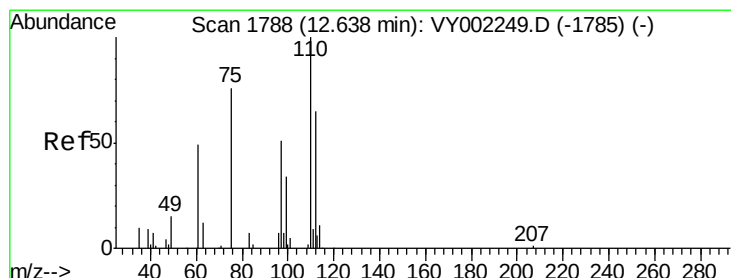
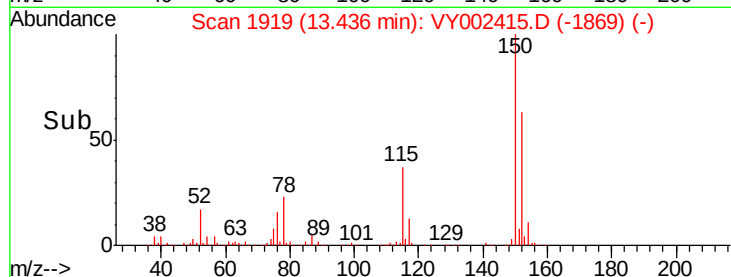
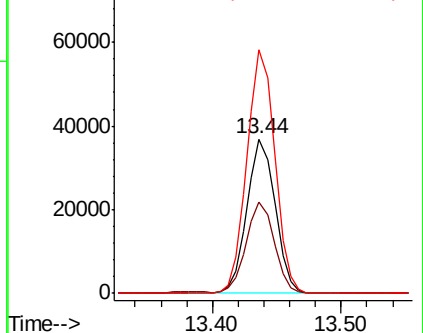
150 155.6 0.0 350.6



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: 37.369 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002415.D

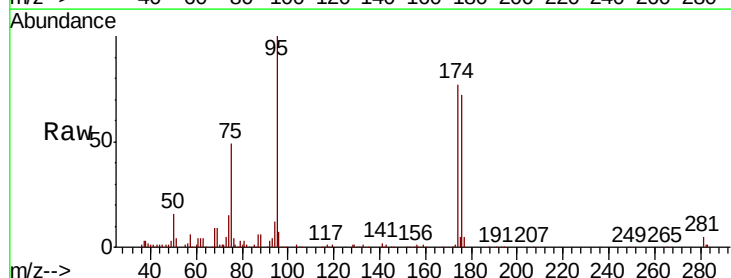
Acq: 17 Apr 2020 21:10

Tgt Ion: 75 Resp: 24255

Ion Ratio Lower Upper

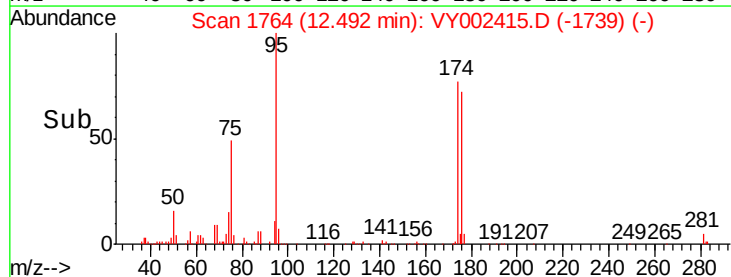
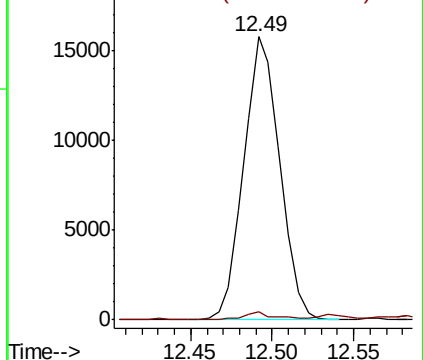
75 100

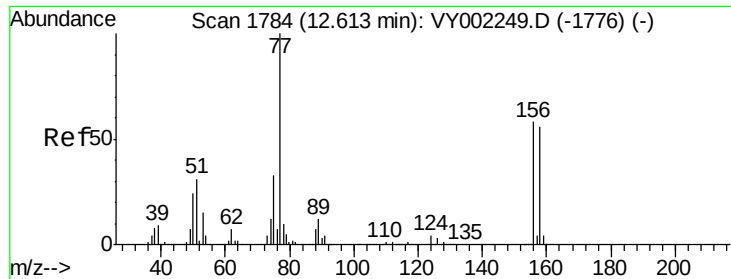
77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 4.048 ug/l

RT: 12.56 min Scan# 1776

Delta R.T. -0.05 min

Lab File: VY002415.D

Acq: 17 Apr 2020 21:10

Instrument :

MSVOA_Y

ClientSampled :

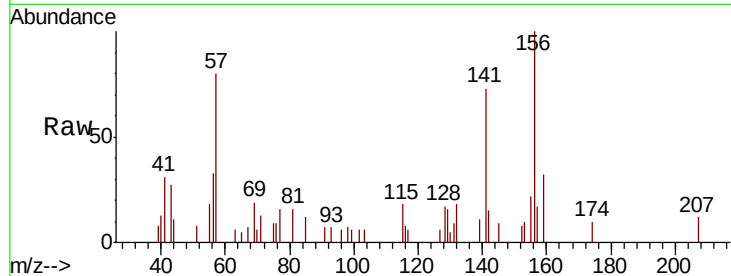
Tot Ion:156 Resp: 3911

Ion Ratio Lower Upper

156 100

77 0.0 101.3 303.9#

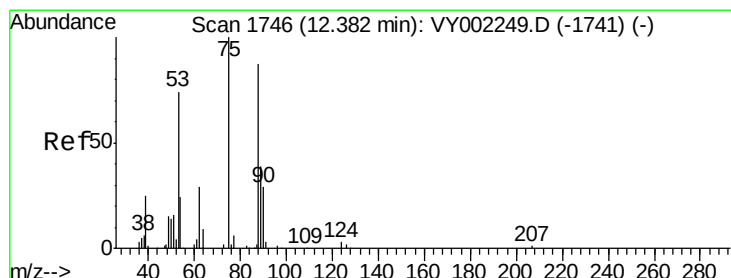
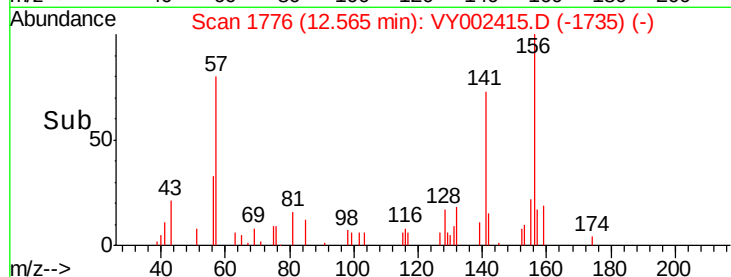
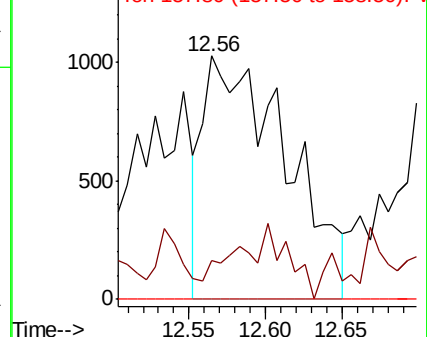
158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.681 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002415.D

Acq: 17 Apr 2020 21:10

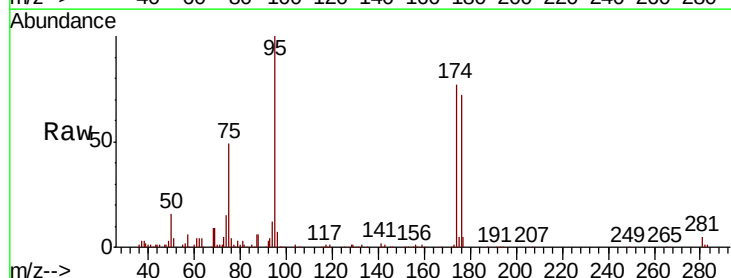
Tgt Ion: 75 Resp: 24255

Ion Ratio Lower Upper

75 100

53 0.2 59.8 89.8#

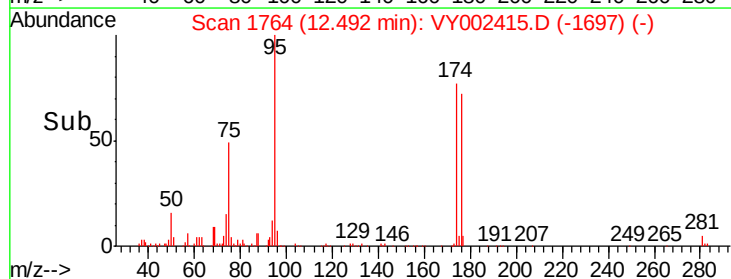
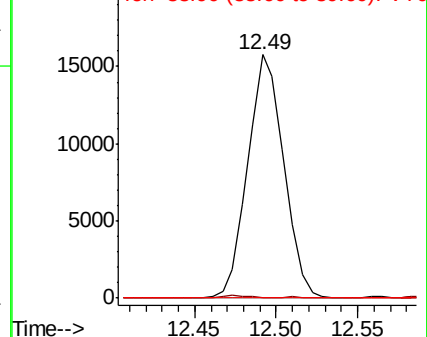
89 0.1 37.0 55.6#

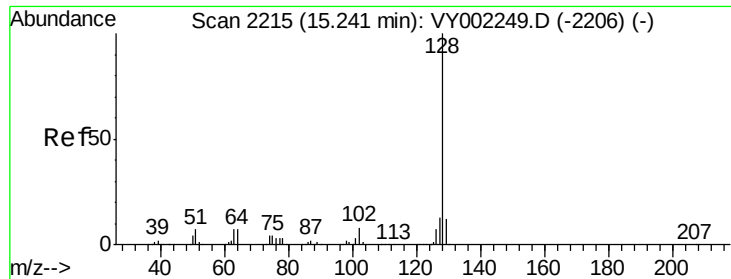


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95
 Naphthalene
 Concen: 11.319 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY002415.D
 Acq: 17 Apr 2020 21:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.4	8.7	13.1

