

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001855.D
 Acq On : 04 Mar 2020 15:50
 Operator : SY/MD
 Sample : L1748-01
 Misc : 6.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-030320

Quant Time: Mar 05 04:10:19 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	7.80	168	100930	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	183492	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	154466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	61423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	58051	53.88	ug/l	-0.02
Spiked Amount			Recovery	=	107.76%	
35) Dibromofluoromethane	7.73	113	51568	51.47	ug/l	-0.02
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.19	98	218406	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.49	95	68141	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

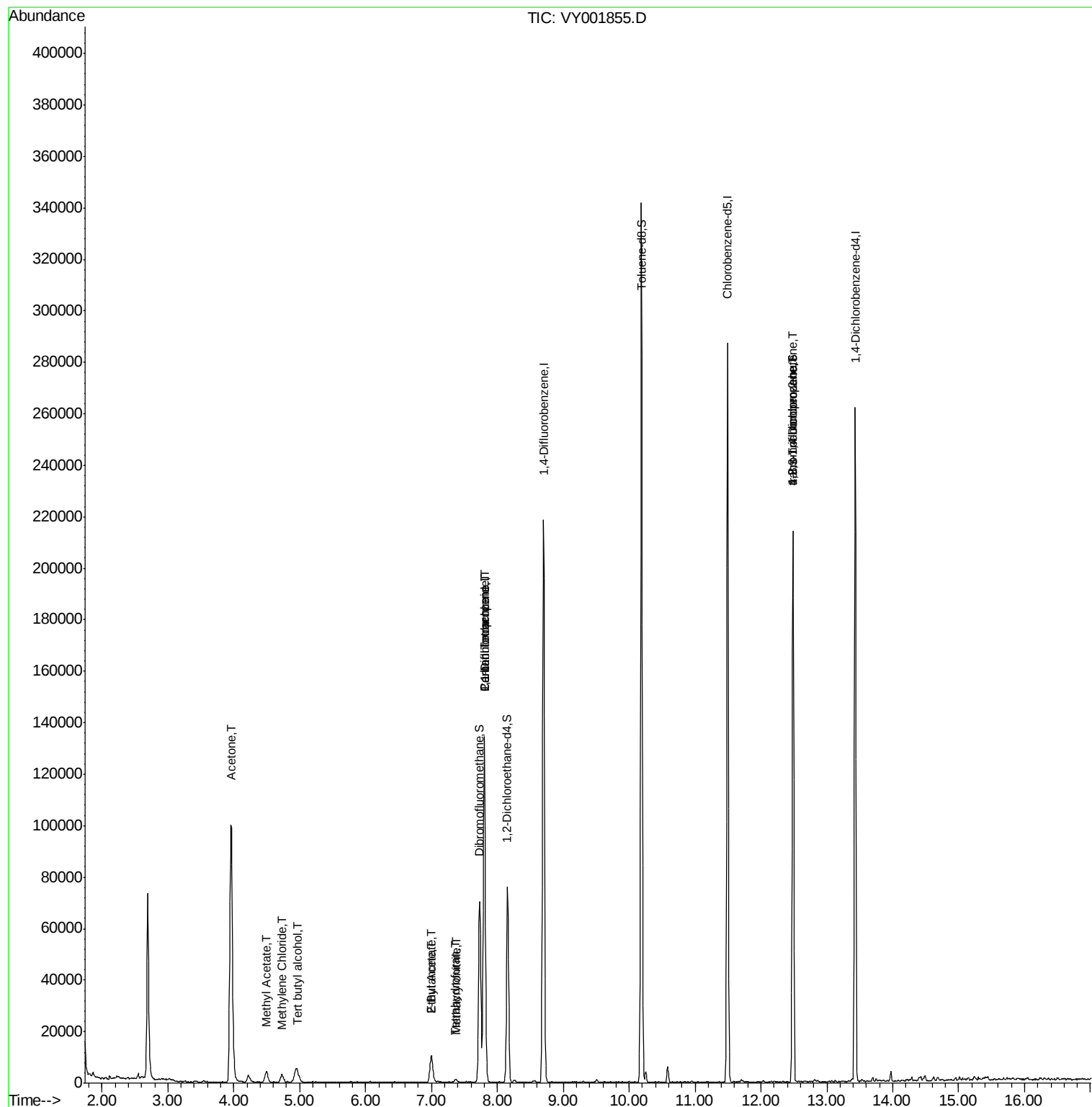
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	194	Below Cal		95
11) Tert butyl alcohol	4.97	59	9314	66.490	ug/l #	87
16) Acetone	3.96	43	174256	555.254	ug/l	99
18) Methyl Acetate	4.49	43	9056	11.231	ug/l	98
20) Methylene Chloride	4.72	84	2373	1.764	ug/l #	82
25) 2-Butanone	7.01	43	2152	4.509	ug/l	93
29) Tetrahydrofuran	7.35	42	480	1.515	ug/l #	36
36) 1,1-Dichloropropene	7.80	75	8562	4.849	ug/l #	49
37) Ethyl Acetate	7.01	43	2152	2.097	ug/l #	75
38) Carbon Tetrachloride	7.80	117	10165	6.739	ug/l #	16
41) Methacrylonitrile	7.38	41	670	1.451	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	34068	46.744	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	34068	94.420	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: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001855.D

Acq: 04 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

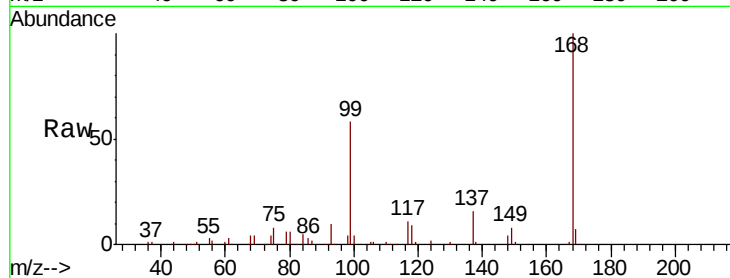
AU-06-030320

Tot Ion:168 Resp: 100930

Ion Ratio Lower Upper

168 100

99 58.0 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) (-)

7.80

50000

40000

30000

20000

10000

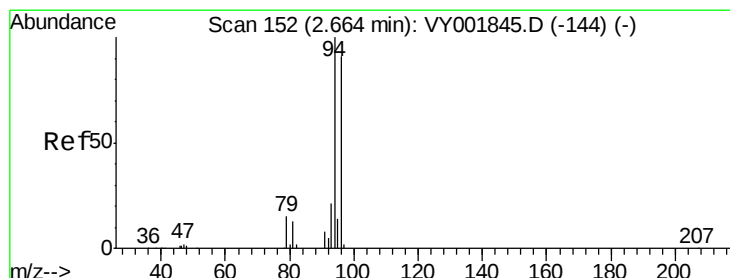
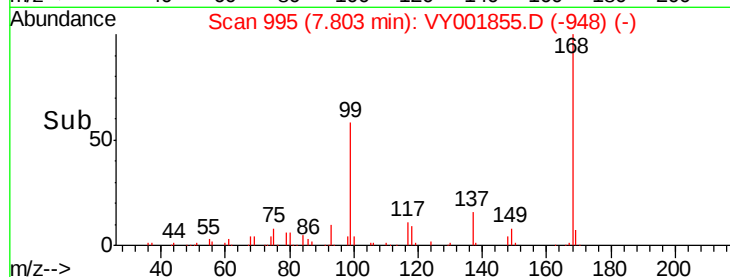
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Time-->

7.70

7.80

7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001855.D

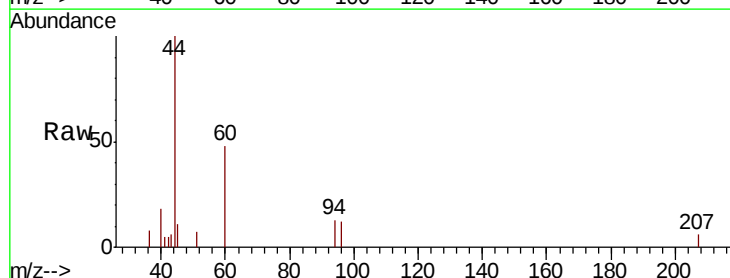
Acq: 04 Mar 2020 15:50

Tgt Ion: 94 Resp: 194

Ion Ratio Lower Upper

94 100

96 96.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

2.66

150

100

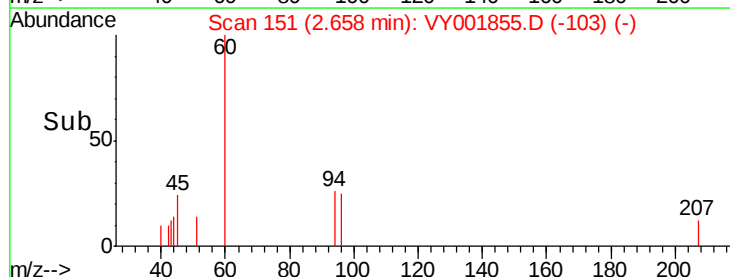
50

0

Time-->

2.65

2.70



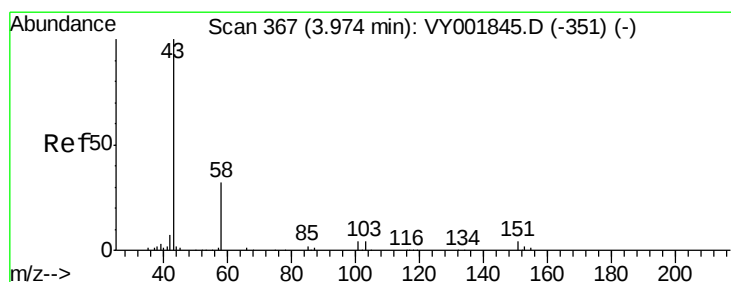
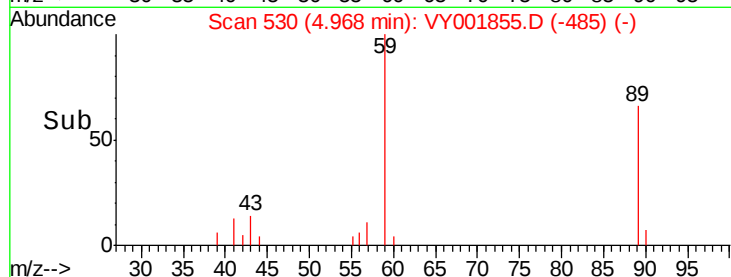
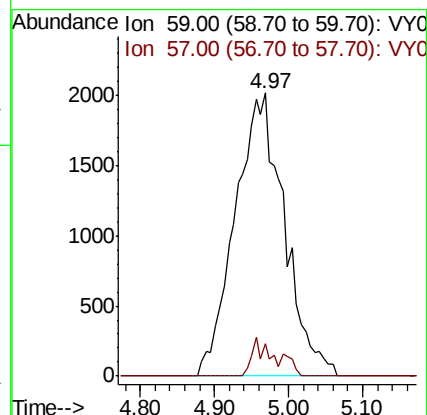
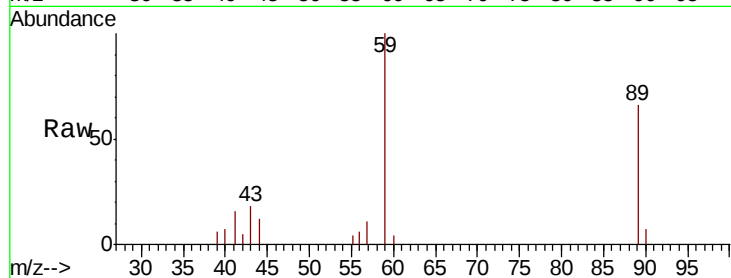


#11

Tert butyl alcohol
 Concen: 66.490 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001855.D
 Acq: 04 Mar 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-030320

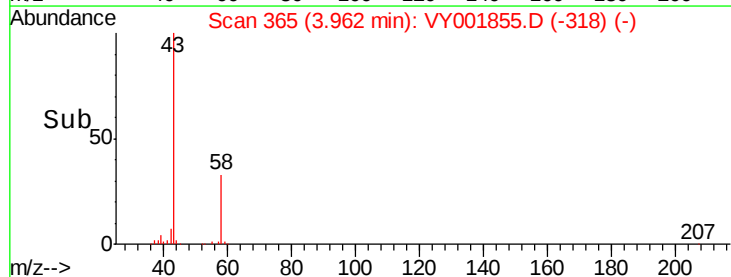
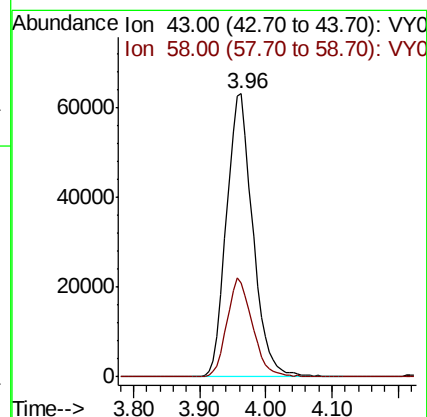
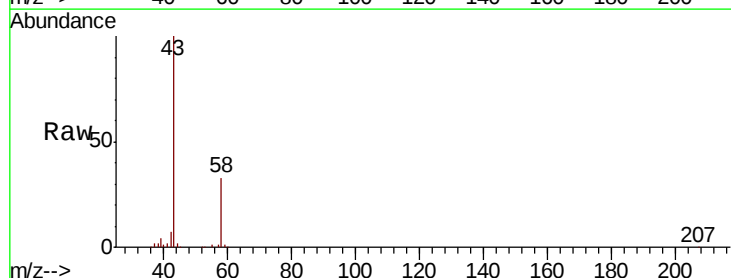
Tot Ion: 59 Resp: 9314
 Ion Ratio Lower Upper
 59 100
 57 4.5 7.4 11.2#

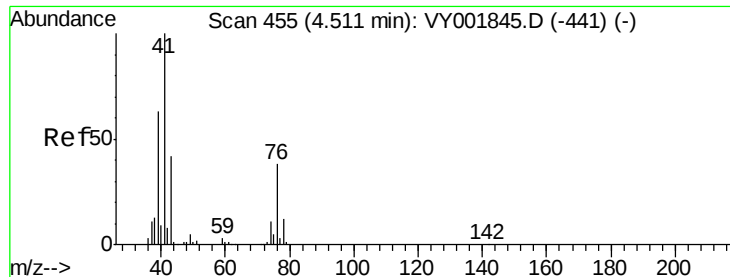


#16

Acetone
 Concen: 555.254 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VY001855.D
 Acq: 04 Mar 2020 15:50

Tgt Ion: 43 Resp: 174256
 Ion Ratio Lower Upper
 43 100
 58 33.0 25.9 38.9

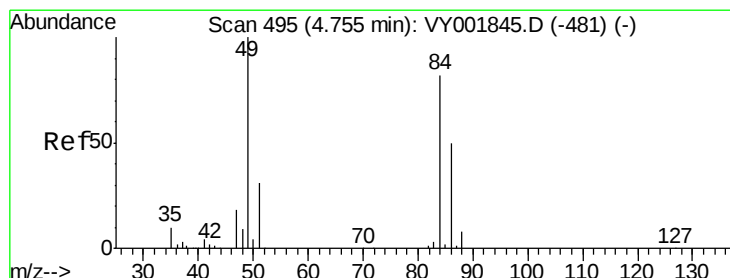
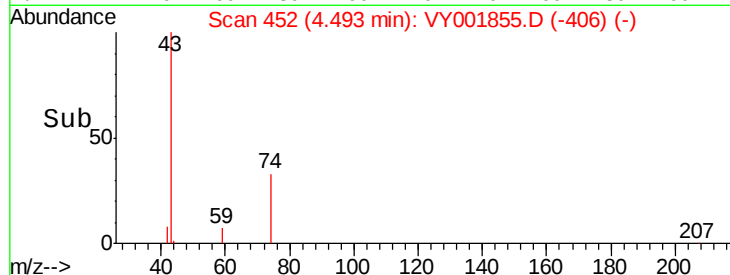
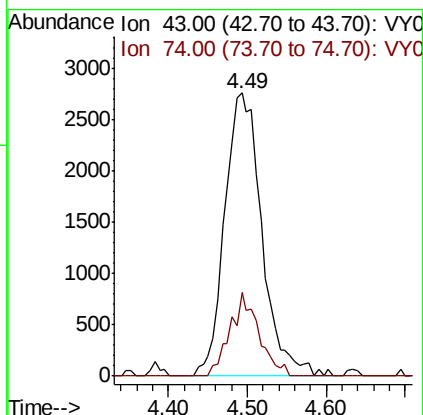
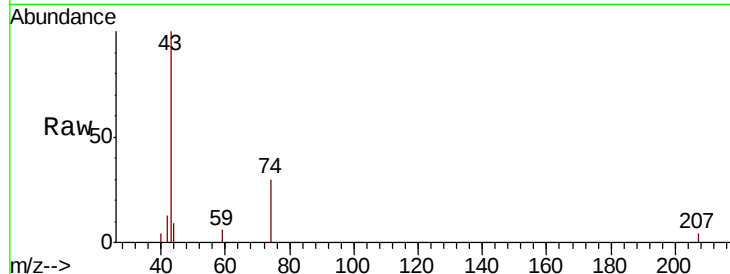




#18
Methyl Acetate
Concen: 11.231 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

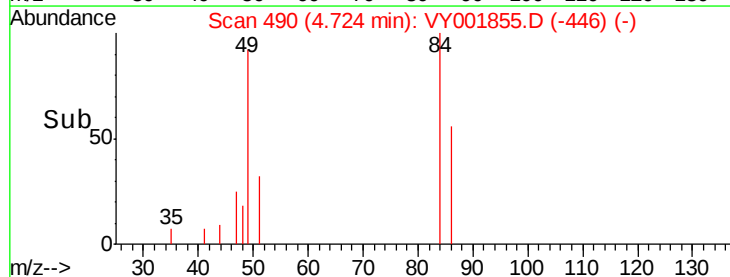
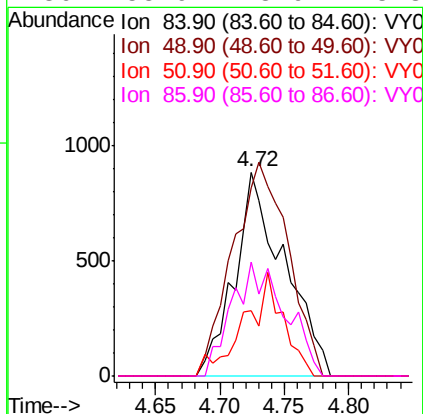
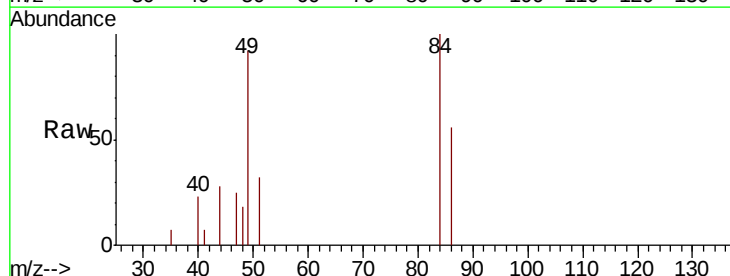
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030320

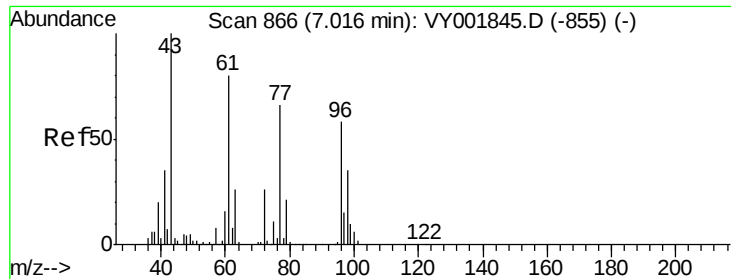
Tot Ion: 43 Resp: 9056
Ion Ratio Lower Upper
43 100
74 22.9 19.0 28.6



#20
Methylene Chloride
Concen: 1.764 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.03 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

Tgt Ion: 84 Resp: 2373
Ion Ratio Lower Upper
84 100
49 92.1 98.2 147.2#
51 32.3 30.2 45.2
86 55.9 48.9 73.3





#25

2-Butanone

Concen: 4.509 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001855.D

Acq: 04 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

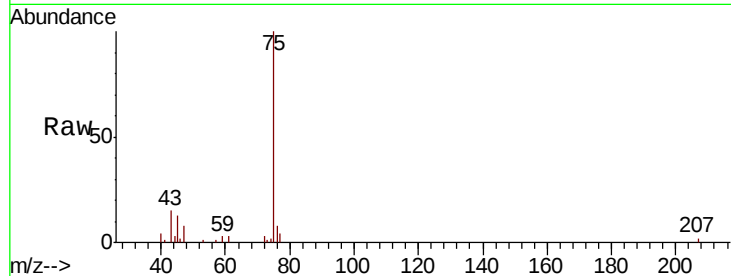
AU-06-030320

Tot Ion: 43 Resp: 2152

Ion Ratio Lower Upper

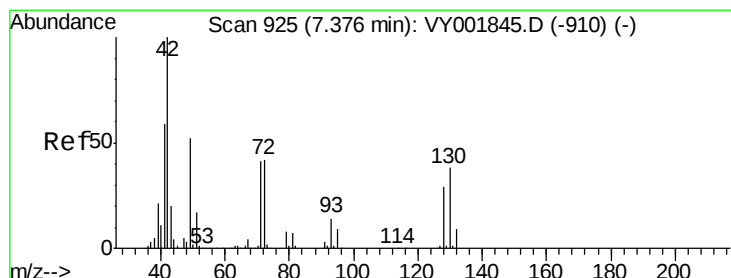
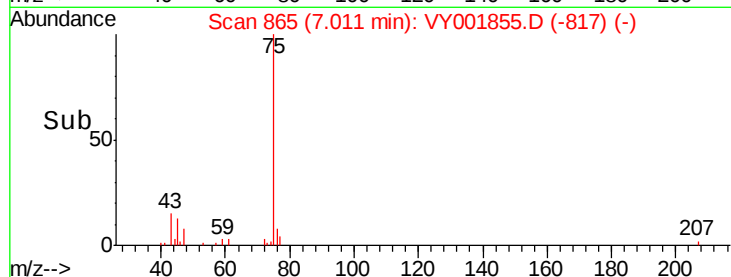
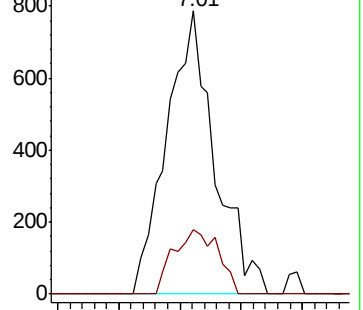
43 100

72 22.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.515 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.02 min

Lab File: VY001855.D

Acq: 04 Mar 2020 15:50

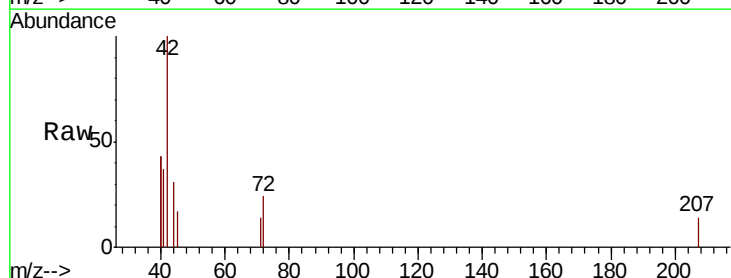
Tgt Ion: 42 Resp: 480

Ion Ratio Lower Upper

42 100

72 87.3 33.5 50.3#

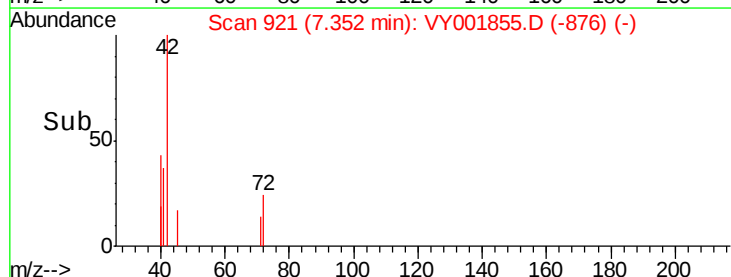
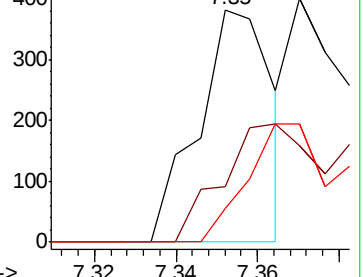
71 72.5 31.3 46.9#

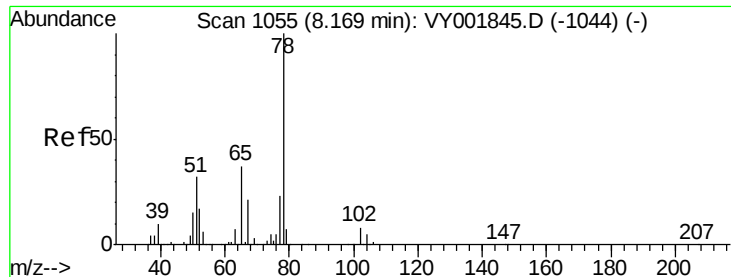


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

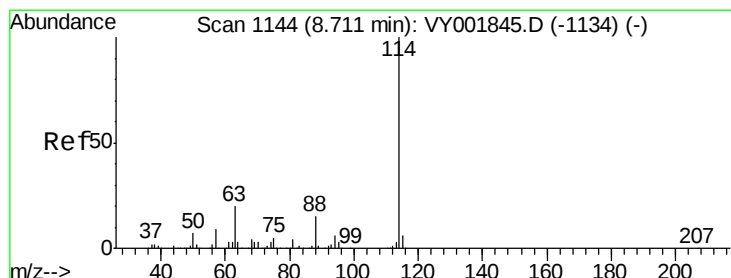
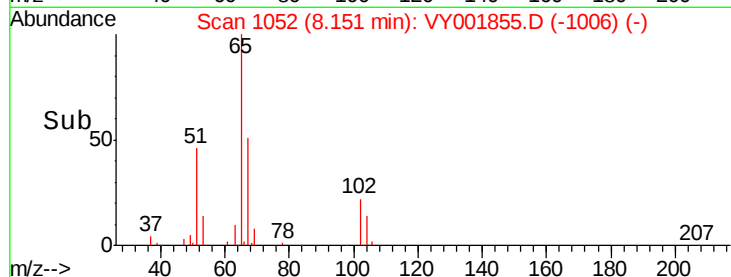
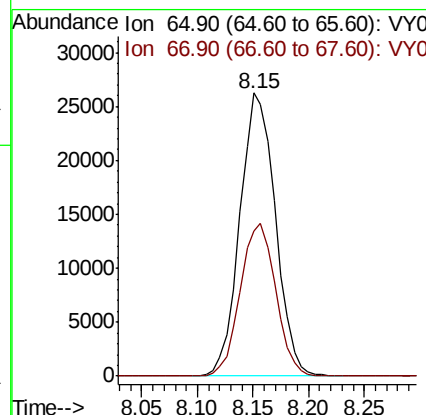
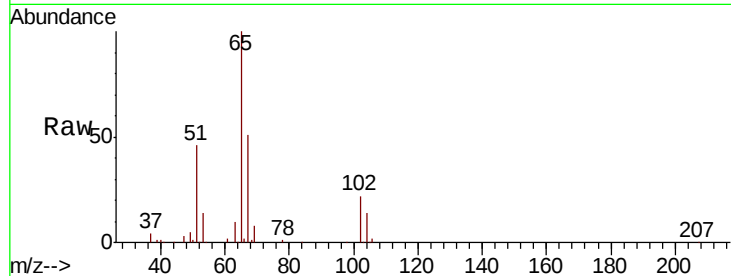




#33
 1,2-Dichloroethane-d4
 Concen: 53.876 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001855.D
 Acq: 04 Mar 2020 15:50

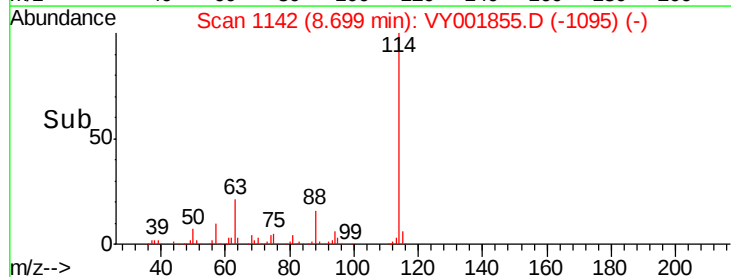
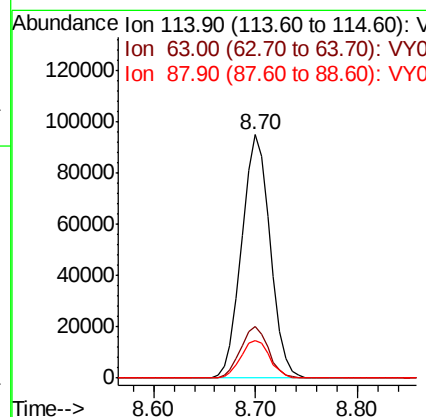
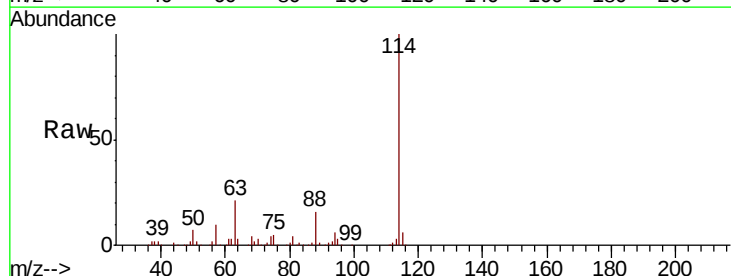
Instrument :
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 AU-06-030320

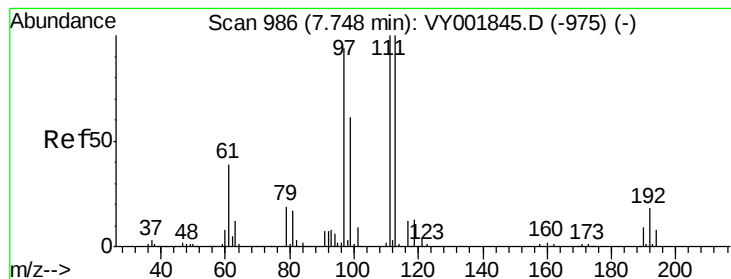
Tot Ion: 65 Resp: 58051
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001855.D
 Acq: 04 Mar 2020 15:50

Tgt Ion: 114 Resp: 183492
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.4
 88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.468 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001855.D

Acq: 04 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-030320

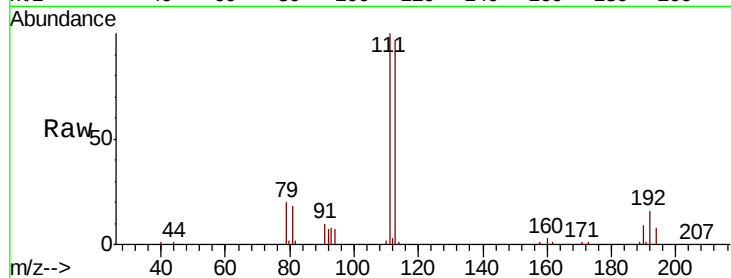
Tot Ion:113 Resp: 51568

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

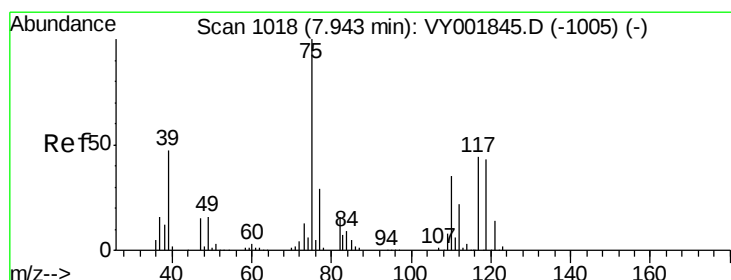
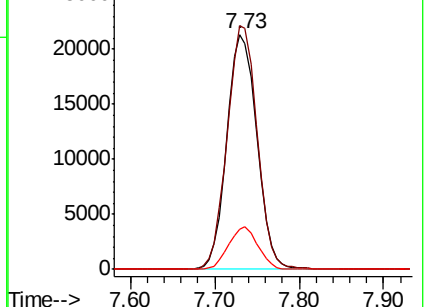
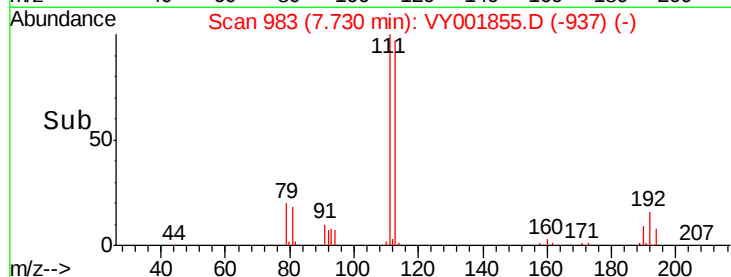
192 17.7 14.2 21.2



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: 4.849 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.14 min

Lab File: VY001855.D

Acq: 04 Mar 2020 15:50

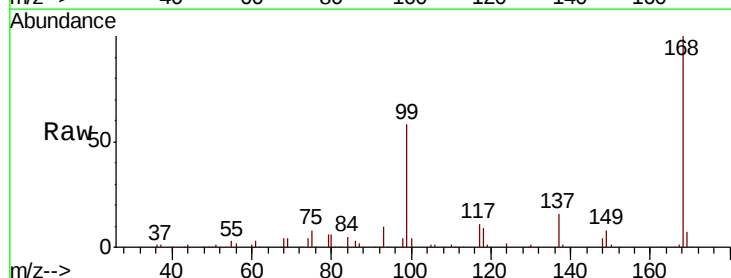
Tgt Ion: 75 Resp: 8562

Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.2#

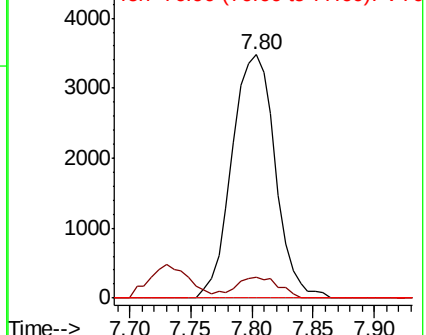
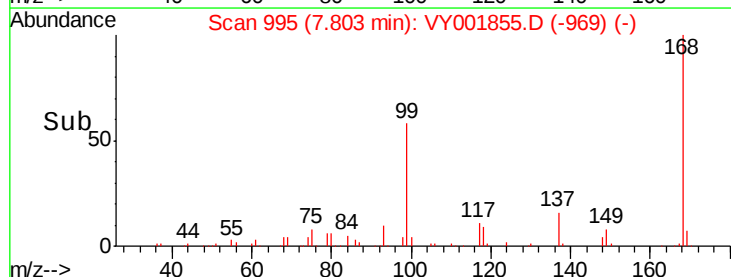
77 0.0 24.2 36.2#

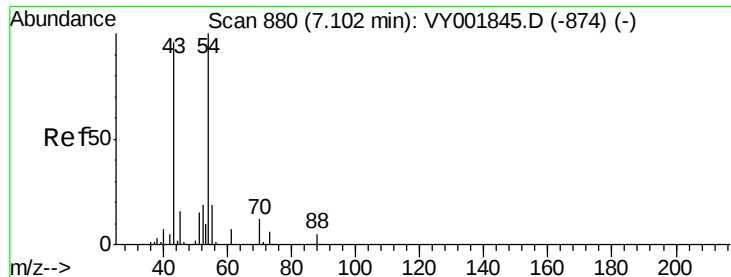


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

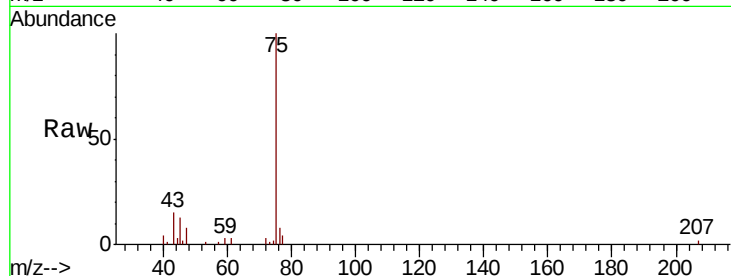




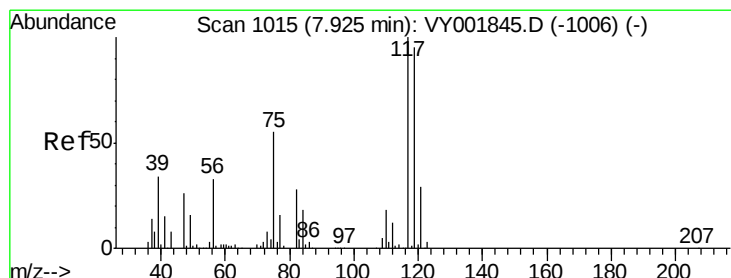
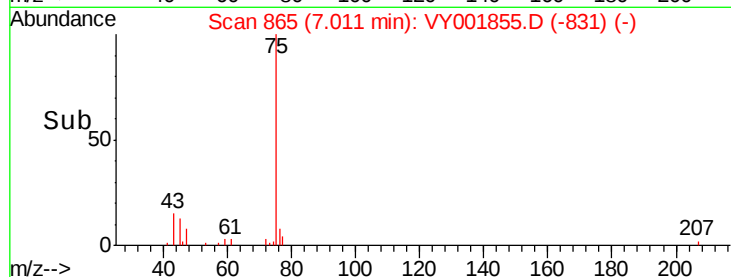
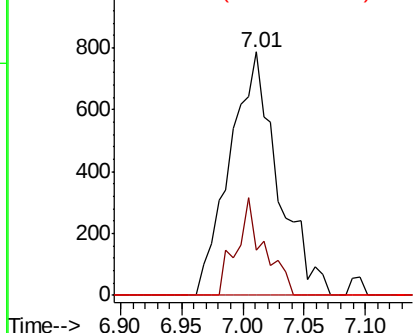
#37
Ethyl Acetate
Concen: 2.097 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.09 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030320

Tot Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
61 22.9 11.1 16.7#
70 0.0 8.2 12.4#

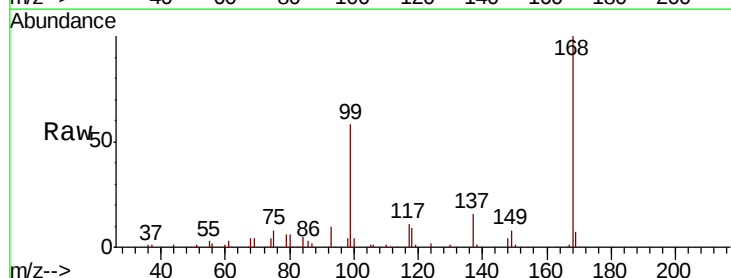


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

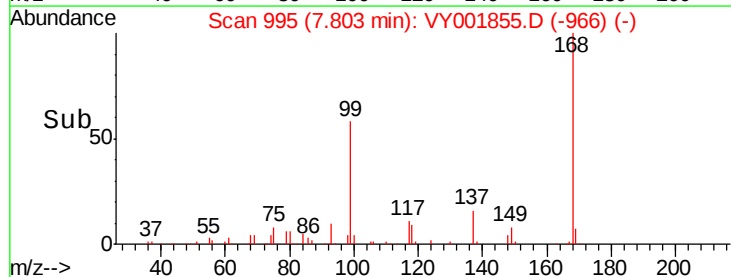
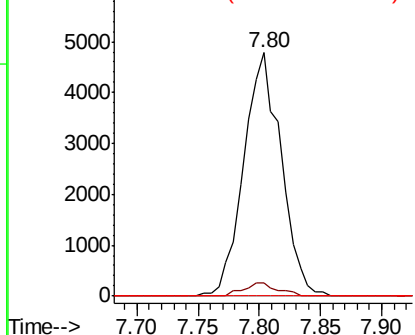


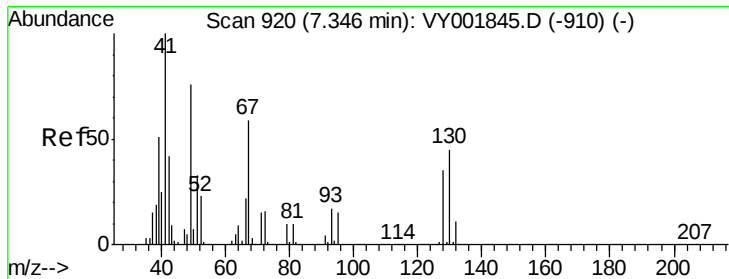
#38
Carbon Tetrachloride
Concen: 6.739 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

Tgt Ion: 117 Resp: 10165
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 23.5 35.3#



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

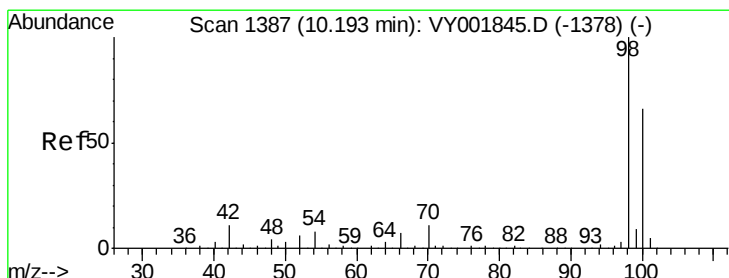
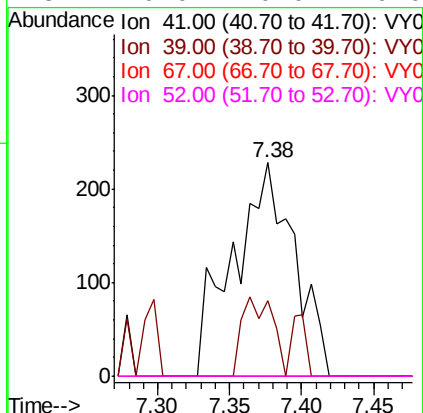
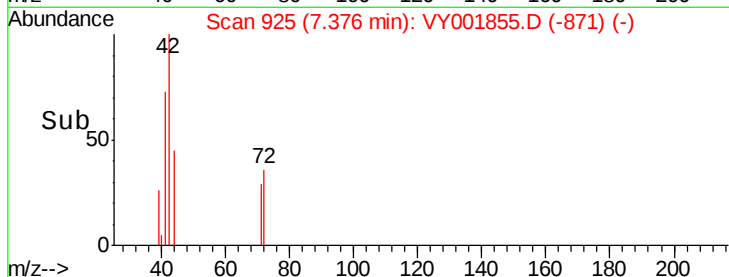
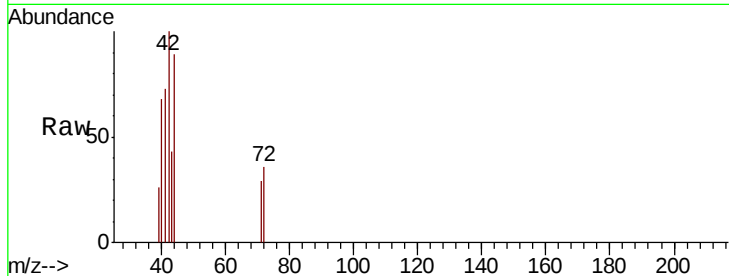




#41
Methacrylonitrile
Concen: 1.451 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.03 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

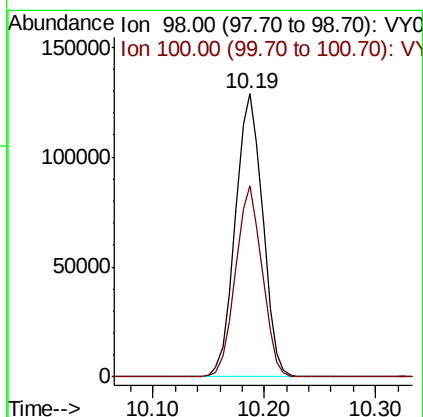
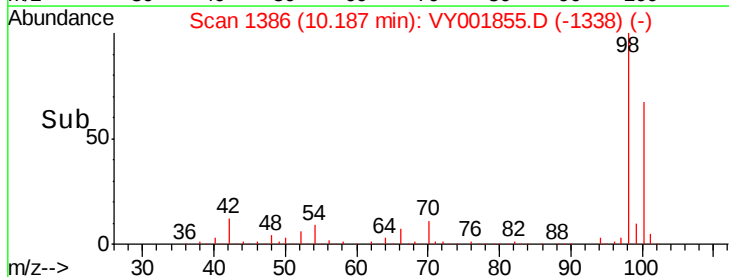
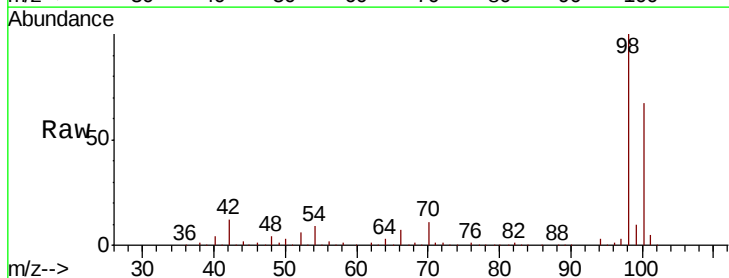
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030320

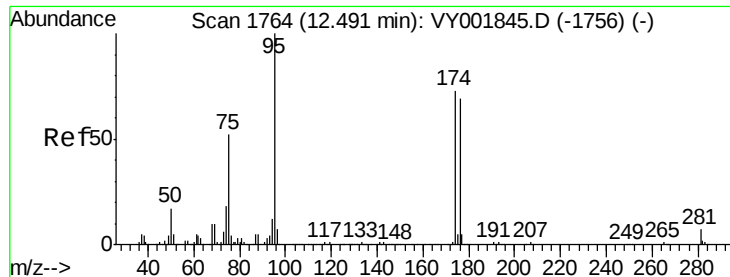
Tot Ion: 41 Resp: 670
Ion Ratio Lower Upper
41 100
39 18.5 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 51.693 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

Tgt Ion: 98 Resp: 218406
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4

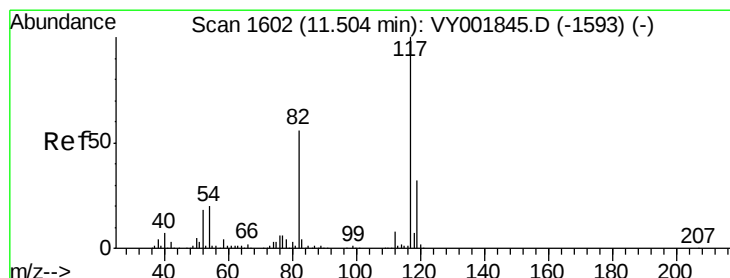
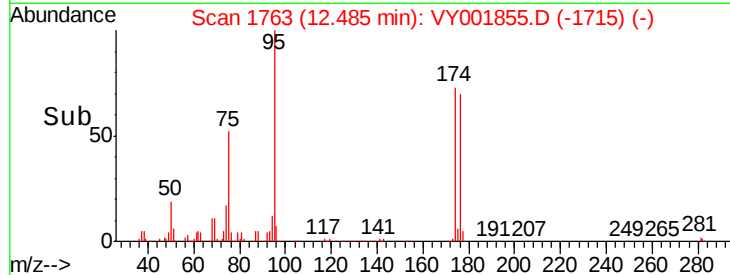
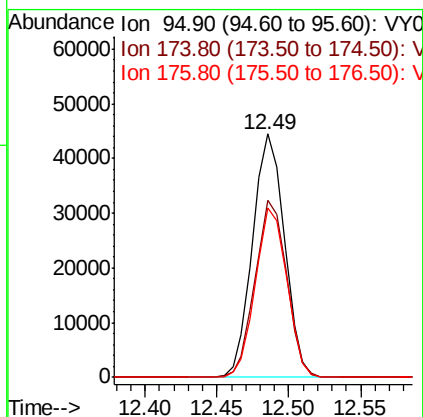
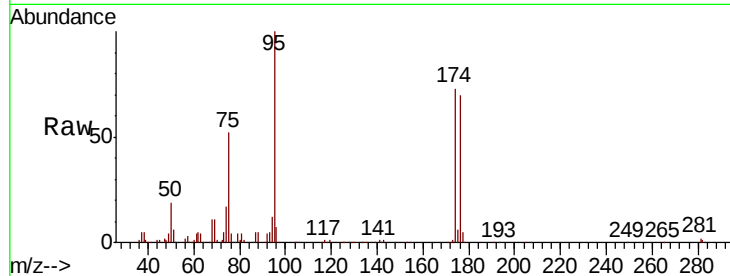




#62
4-Bromofluorobenzene
Concen: 46.383 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

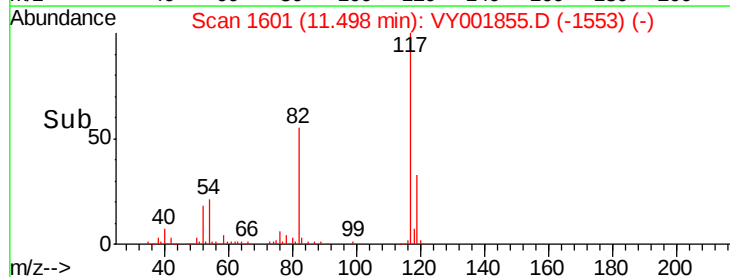
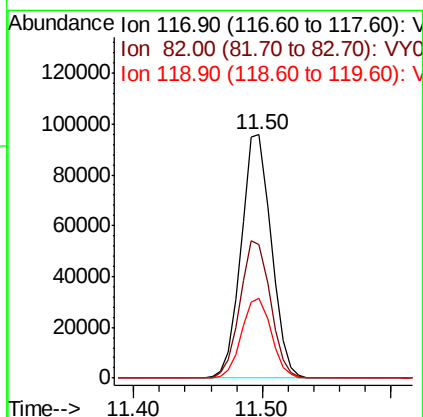
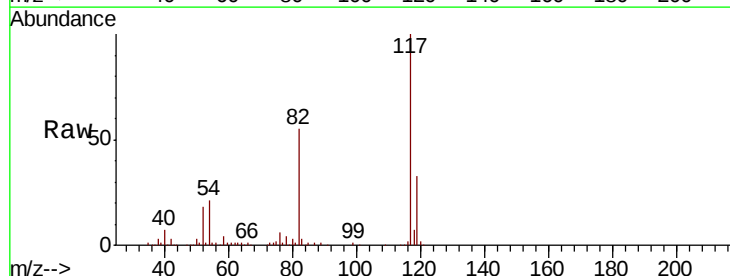
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030320

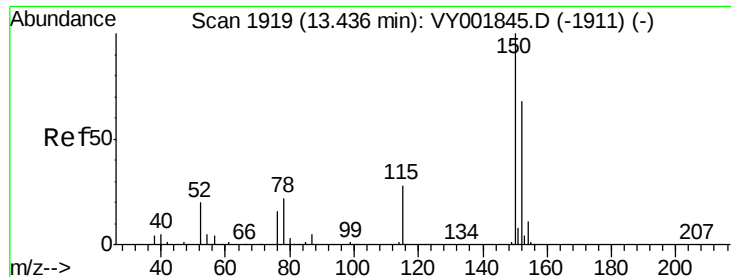
Tot Ion: 95 Resp: 68141
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.0
176 68.6 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001855.D
Acq: 04 Mar 2020 15:50

Tgt Ion: 117 Resp: 154466
Ion Ratio Lower Upper
117 100
82 54.9 44.5 66.7
119 32.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001855.D

Acq: 04 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-030320

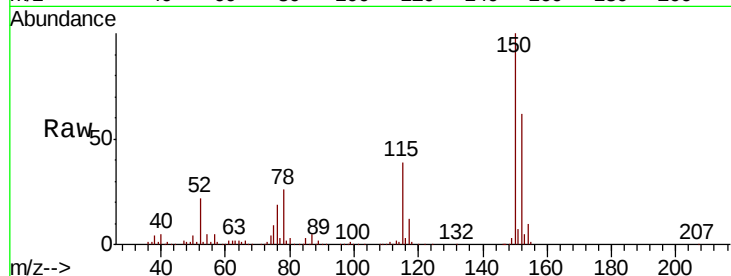
Tot Ion:152 Resp: 61423

Ion Ratio Lower Upper

152 100

115 62.2 29.9 89.7

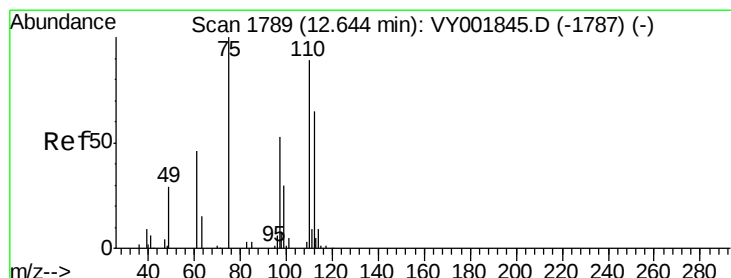
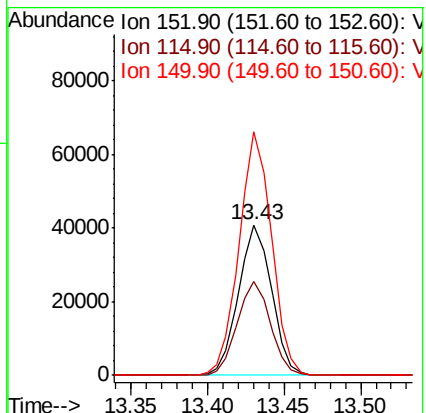
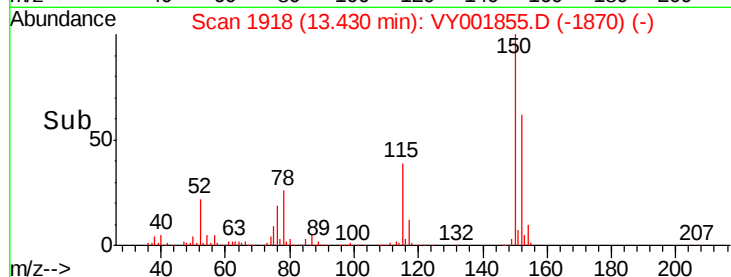
150 158.7 0.0 340.6



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: 46.744 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001855.D

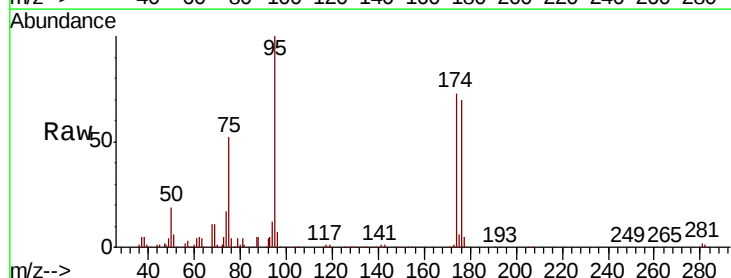
Acq: 04 Mar 2020 15:50

Tgt Ion: 75 Resp: 34068

Ion Ratio Lower Upper

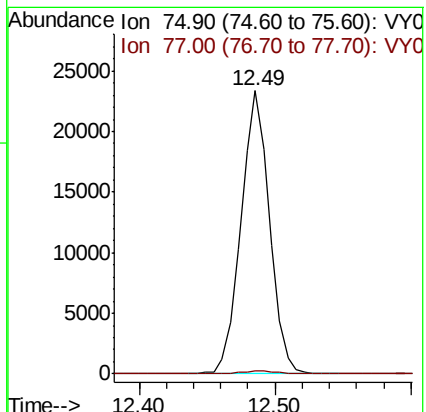
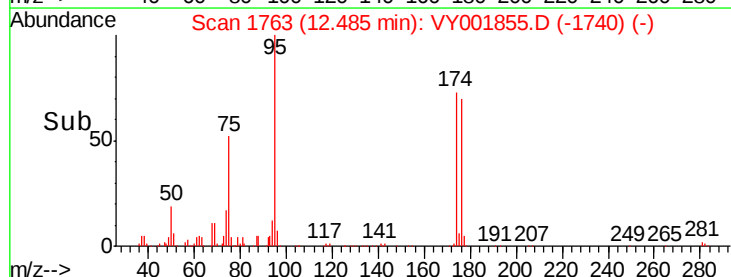
75 100

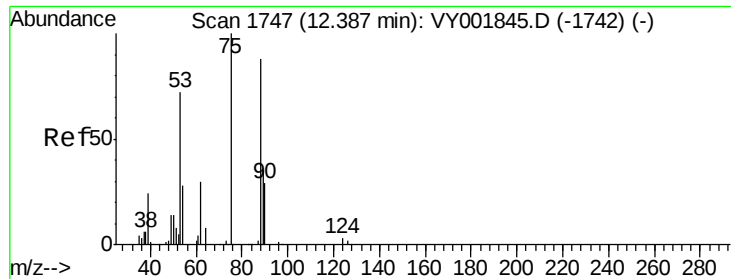
77 1.1 0.0 0.0#



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: 94.420 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001855.D

Acq: 04 Mar 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-030320

Tot Ion: 75 Resp: 34068

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

