

Data File : VY001977.D
Acq On : 16 Mar 2020 13:01
Operator : SY/MD
Sample : L1942-12
Misc : 7.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3(2-3)

Quant Time: Mar 17 08:05:05 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	7.82	168	147464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	282336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	101752	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	87940	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
35) Dibromofluoromethane	7.75	113	81920	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.20	98	342206	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.49	95	109252	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds

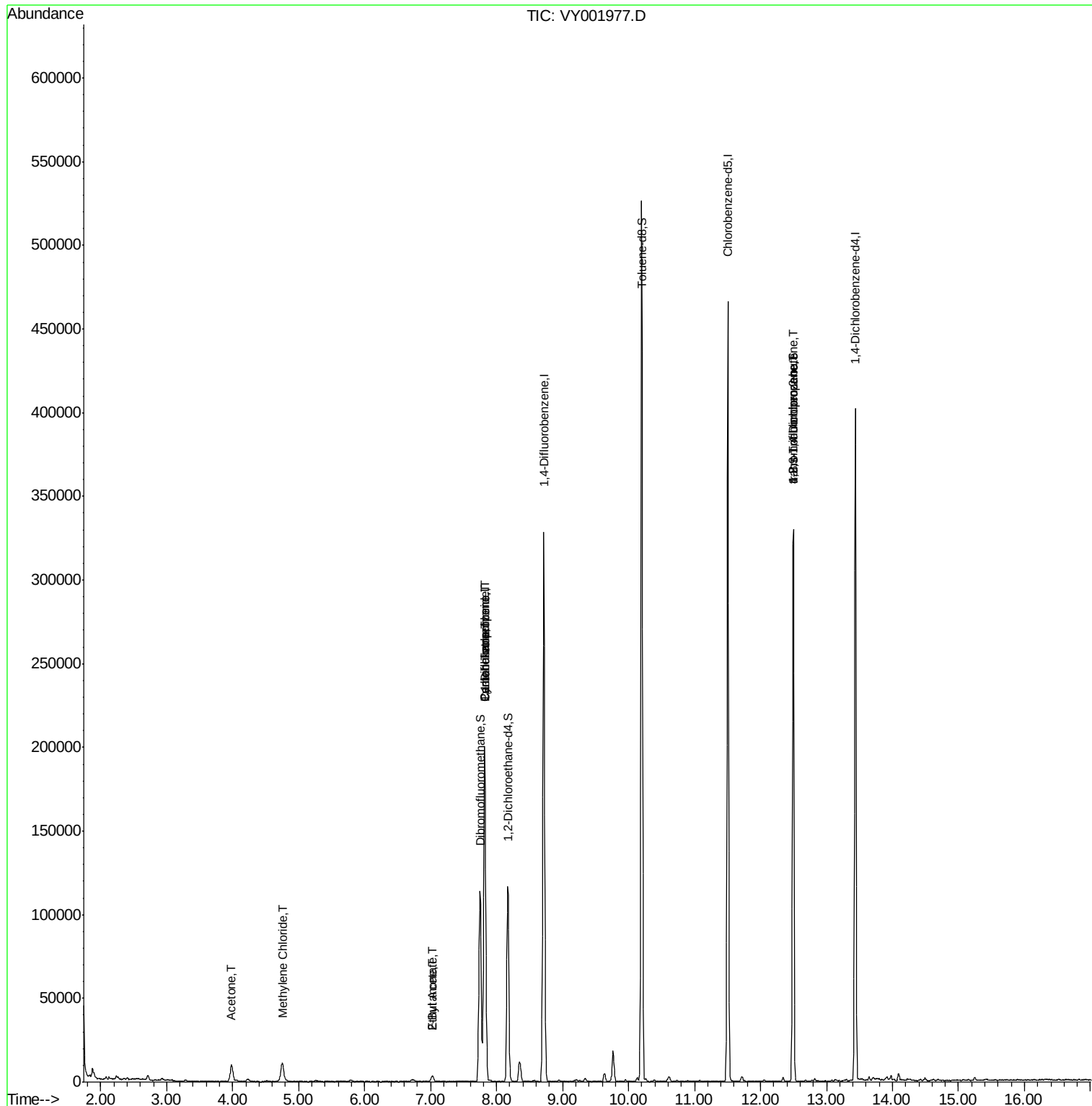
						Qvalue
5) Bromomethane	2.68	94	26	Below Cal		96
11) Tert butyl alcohol	5.04	59	19	Below Cal	#	74
16) Acetone	3.98	43	17084	37.259	ug/l	98
20) Methylene Chloride	4.76	84	6644	3.381	ug/l	93
25) 2-Butanone	7.03	43	5419	7.772	ug/l	90
31) Cyclohexane	7.82	56	3670	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12568	4.626	ug/l #	49
37) Ethyl Acetate	7.03	43	5419	3.432	ug/l #	69
38) Carbon Tetrachloride	7.82	117	15131	6.519	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	56742	46.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56742	94.931	ug/l #	17

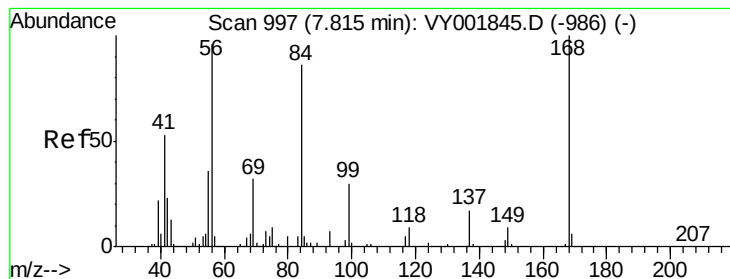
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

Instrument :

MSVOA_Y

ClientSampleId :

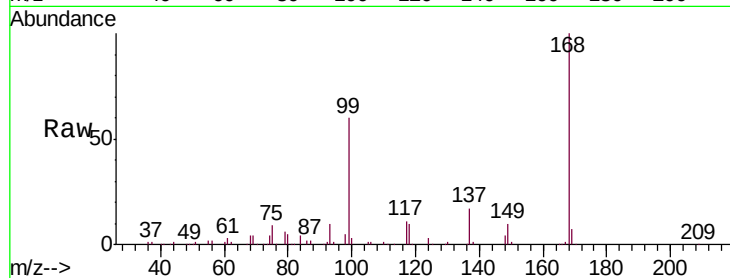
TP-3(2-3)

Tgt Ion:168 Resp: 147464

Ion Ratio Lower Upper

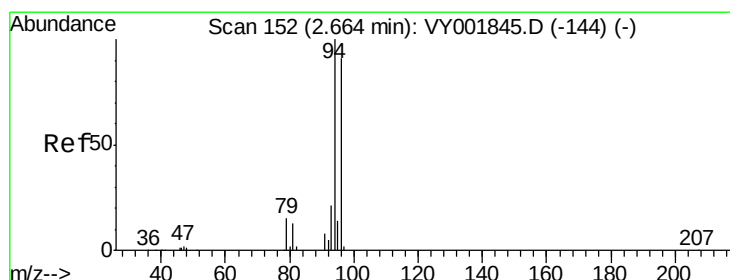
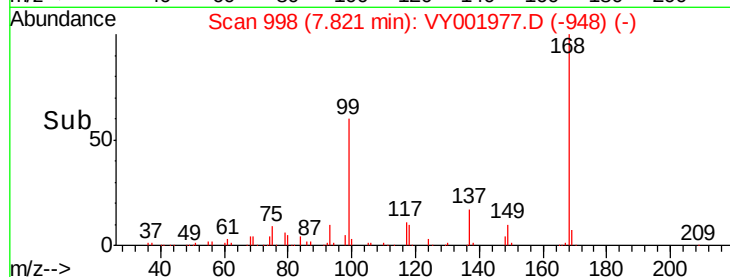
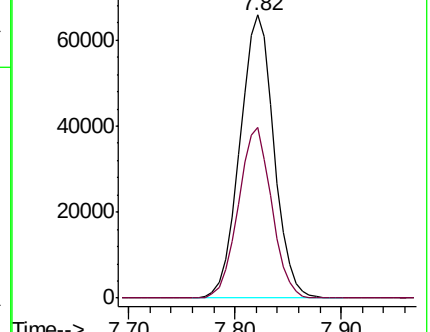
168 100

99 60.5 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) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001977.D

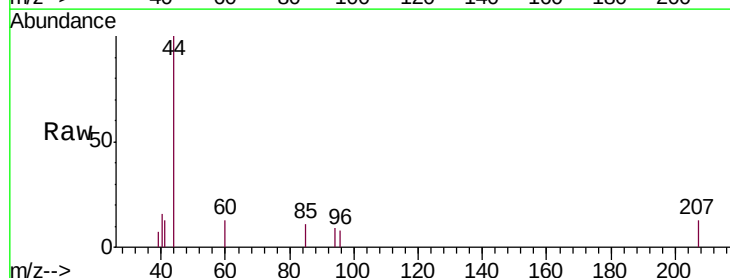
Acq: 16 Mar 2020 13:01

Tgt Ion: 94 Resp: 26

Ion Ratio Lower Upper

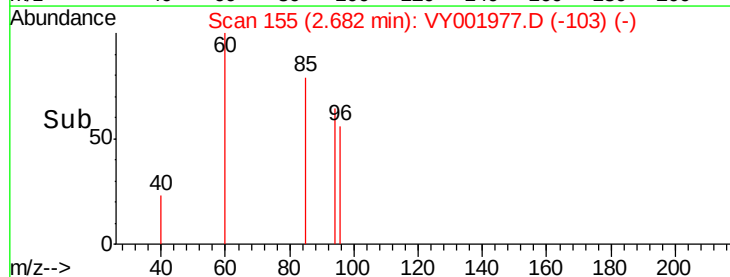
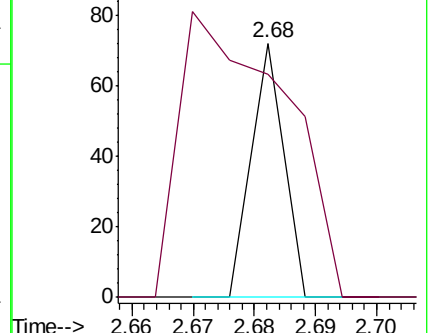
94 100

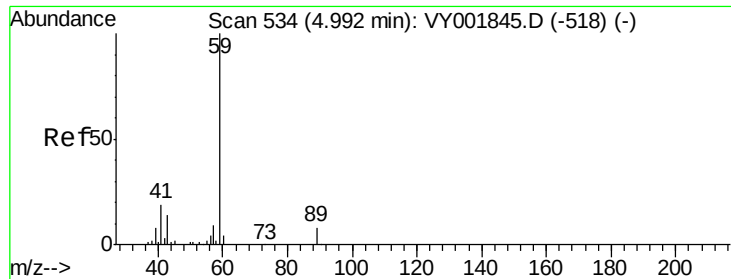
96 87.5 73.2 109.8



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

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

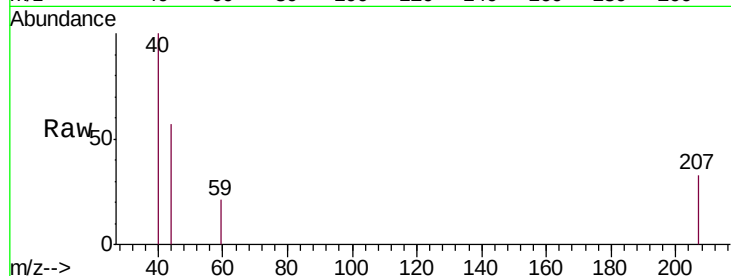




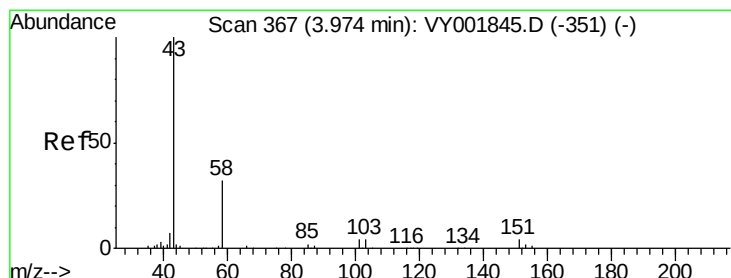
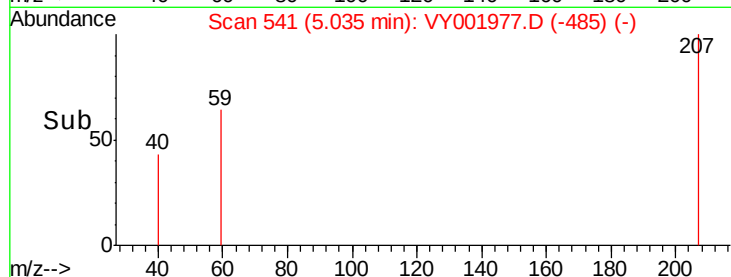
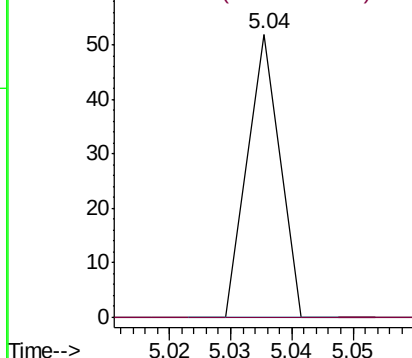
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.04 min Scan# 541
Delta R.T. 0.04 min
Lab File: VY001977.D
Acq: 16 Mar 2020 13:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-3(2-3)

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

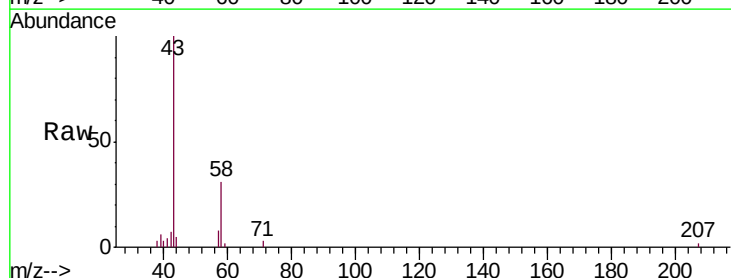


Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

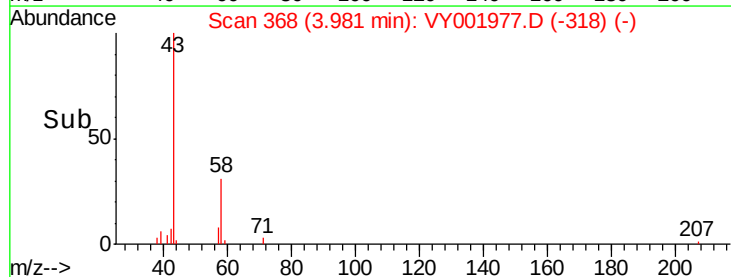
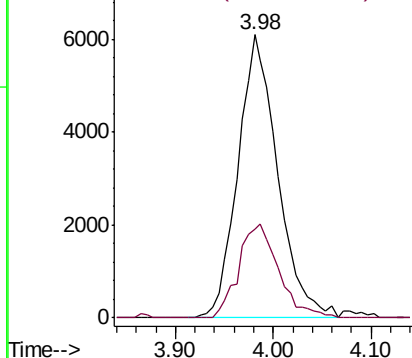


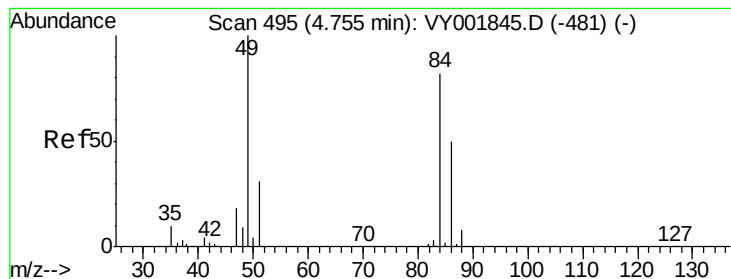
#16
Acetone
Concen: 37.259 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001977.D
Acq: 16 Mar 2020 13:01

Tgt Ion: 43 Resp: 17084
Ion Ratio Lower Upper
43 100
58 31.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#20

Methylene Chloride

Concen: 3.381 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-3(2-3)

Tgt Ion: 84 Resp: 6644

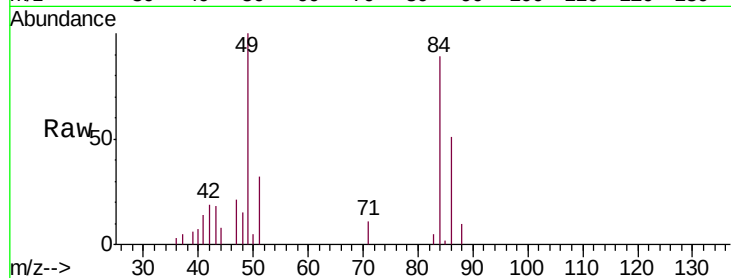
Ion Ratio Lower Upper

84 100

49 111.9 98.2 147.2

51 35.5 30.2 45.2

86 57.5 48.9 73.3

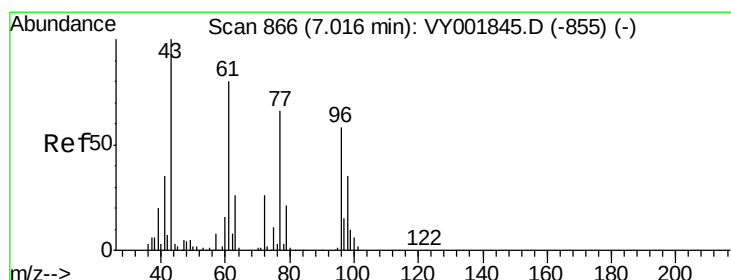
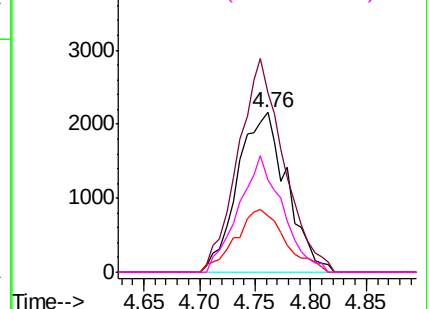
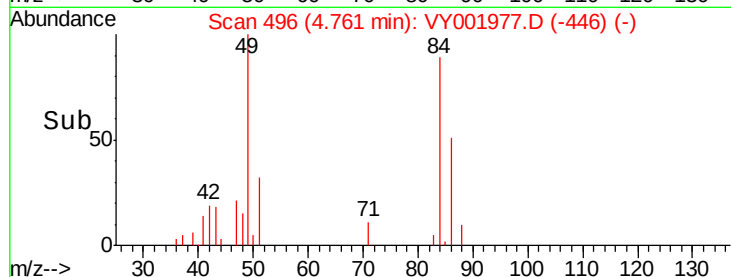


Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 7.772 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001977.D

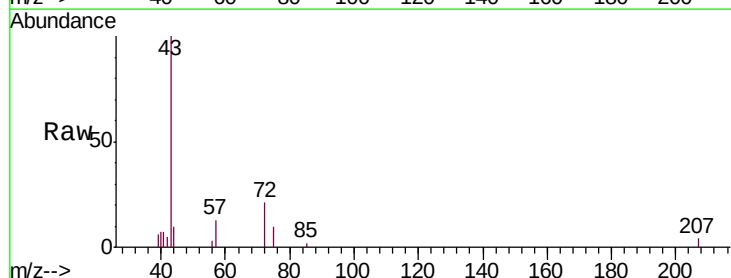
Acq: 16 Mar 2020 13:01

Tgt Ion: 43 Resp: 5419

Ion Ratio Lower Upper

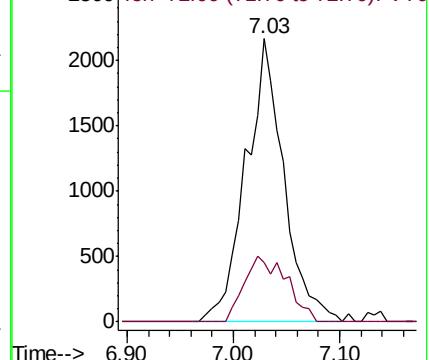
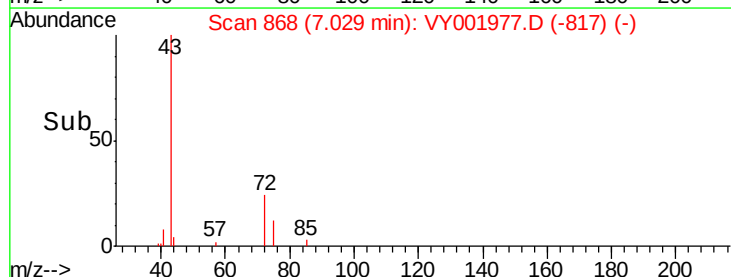
43 100

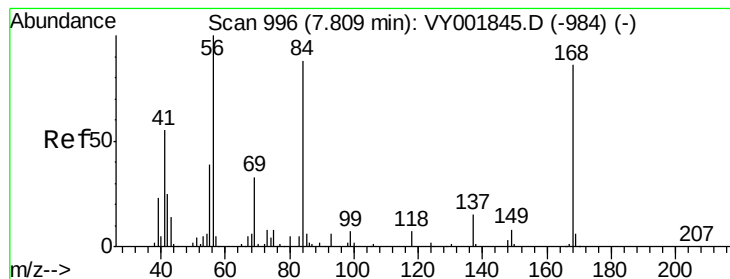
72 21.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.061 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

Instrument :

MSVOA_Y

ClientSampled :

TP-3(2-3)

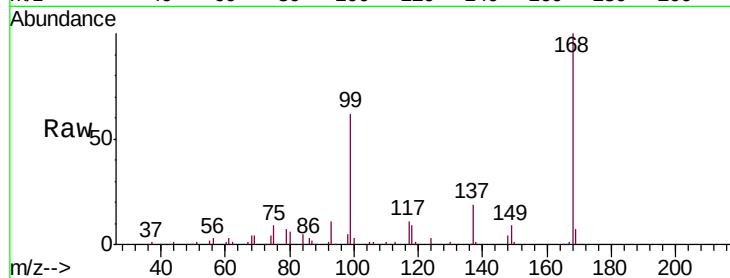
Tgt Ion: 56 Resp: 3670

Ion Ratio Lower Upper

56 100

69 159.0 26.7 40.1#

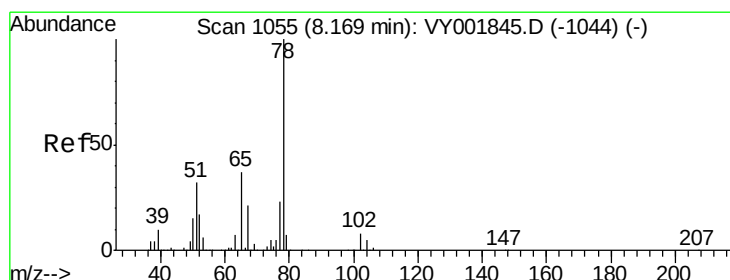
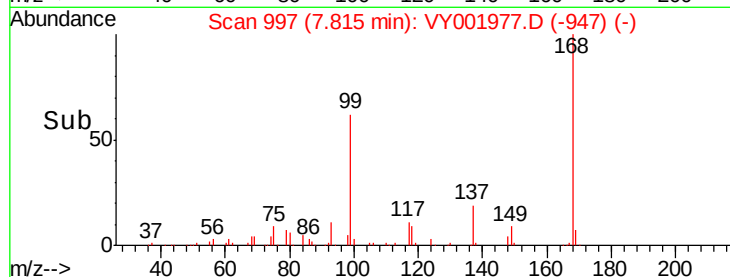
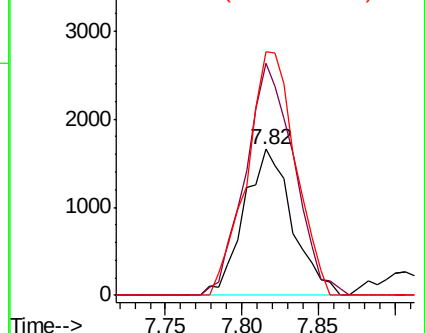
84 166.7 70.4 105.6#



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: 55.861 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001977.D

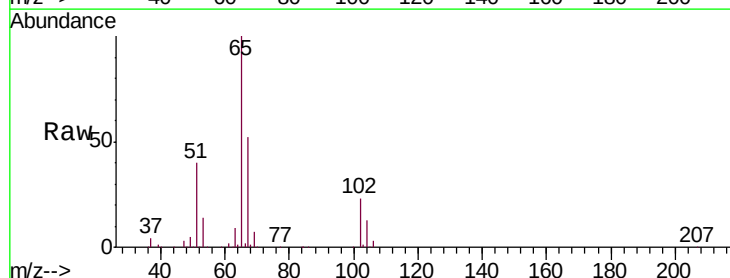
Acq: 16 Mar 2020 13:01

Tgt Ion: 65 Resp: 87940

Ion Ratio Lower Upper

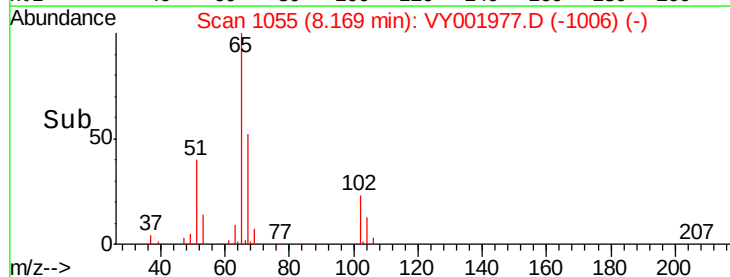
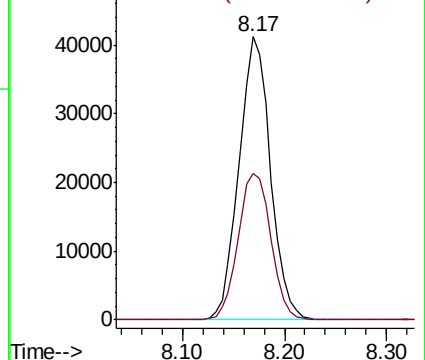
65 100

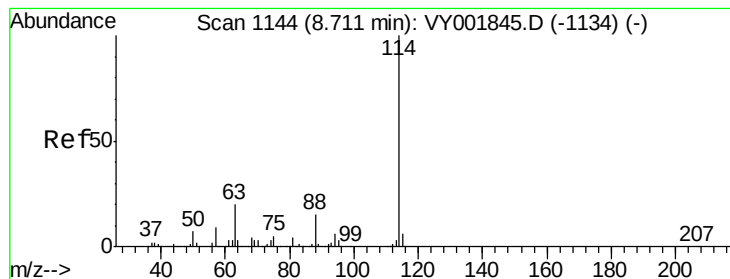
67 54.1 0.0 110.8



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: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-3(2-3)

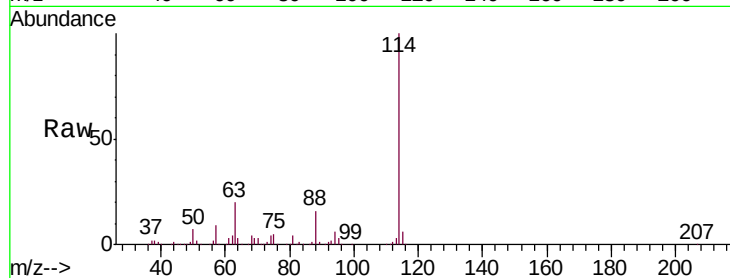
Tgt Ion:114 Resp: 282336

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.9 0.0 30.4



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

200000

150000

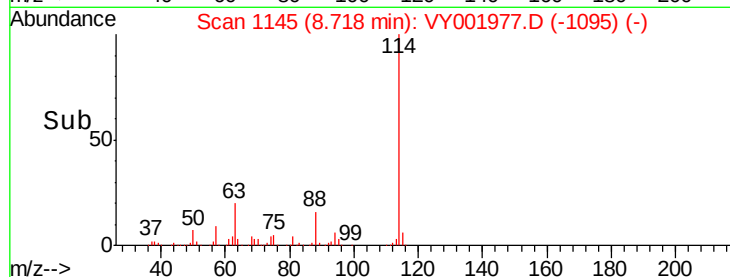
100000

50000

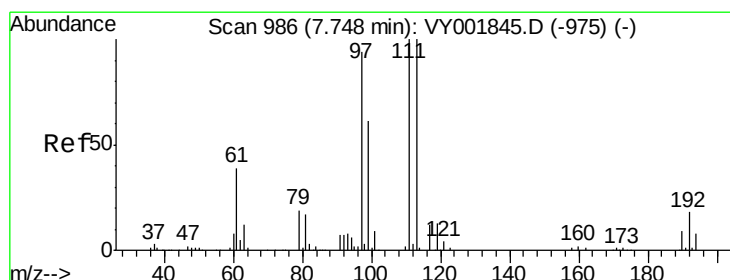
0

8.72

8.60 8.70 8.80



Time-->



#35

Dibromofluoromethane

Concen: 53.137 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

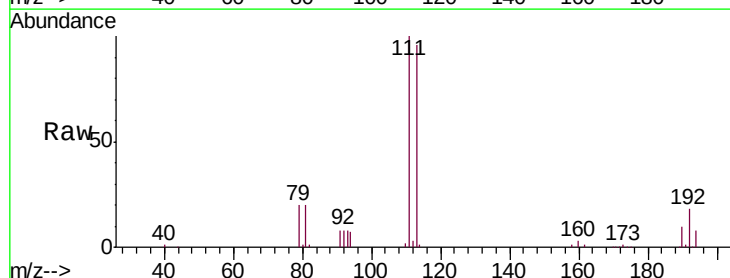
Tgt Ion:113 Resp: 81920

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 17.5 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

40000

30000

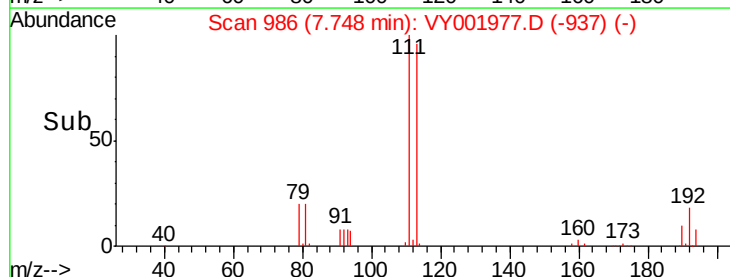
20000

10000

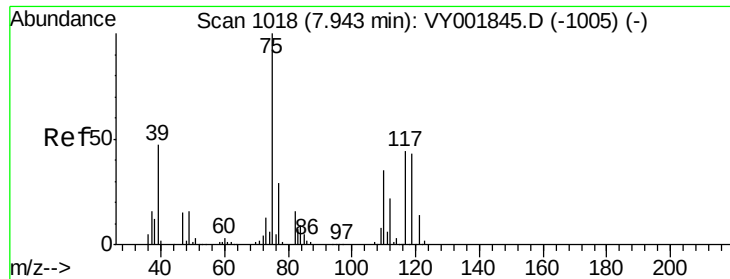
0

7.75

7.60 7.70 7.80 7.90



Time-->



#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-3(2-3)

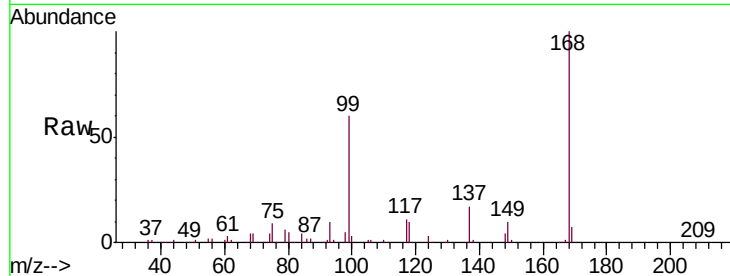
Tgt Ion: 75 Resp: 12568

Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.2#

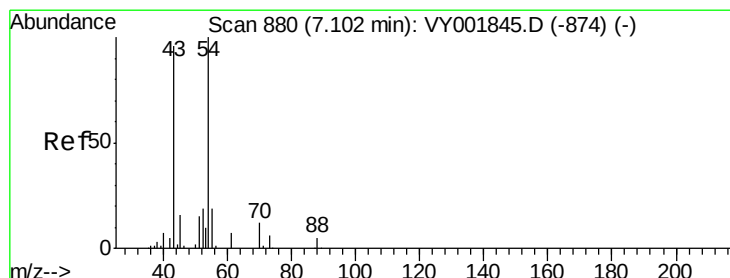
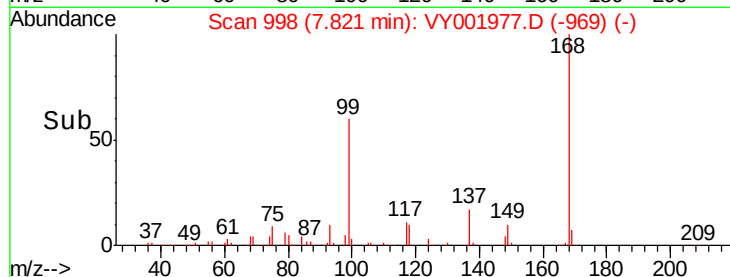
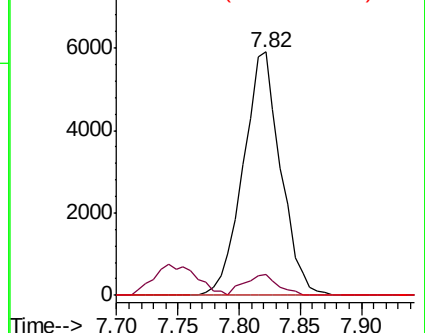
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 3.432 ug/l

RT: 7.03 min Scan# 868

Delta R.T. -0.07 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

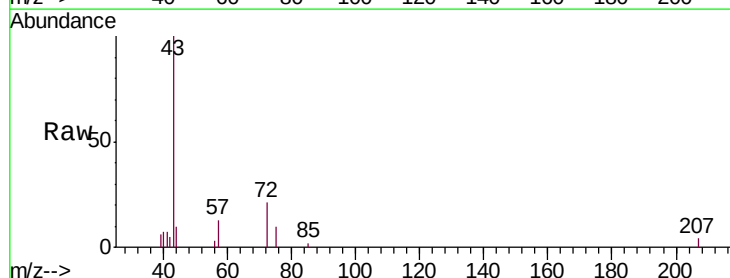
Tgt Ion: 43 Resp: 5419

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

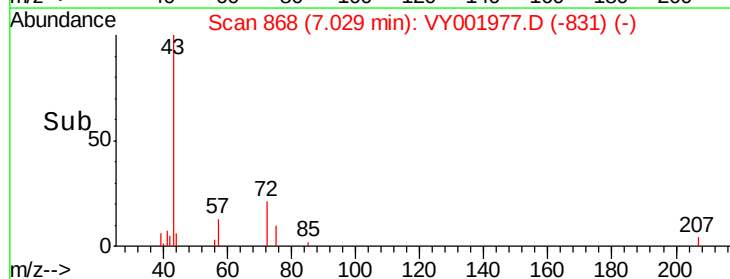
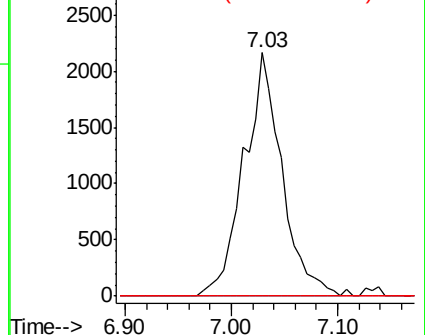
70 0.0 8.2 12.4#

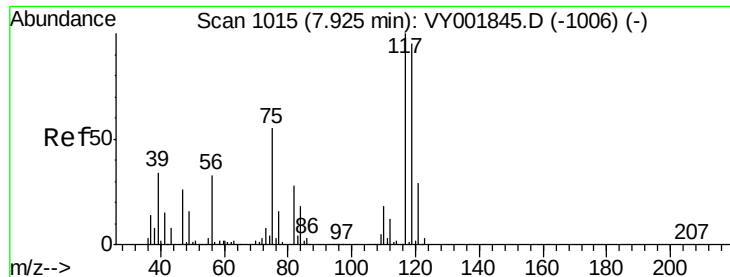


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0

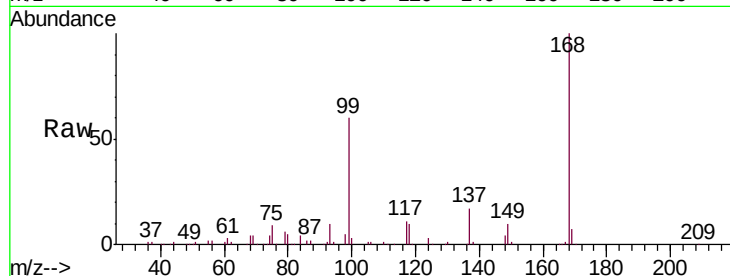




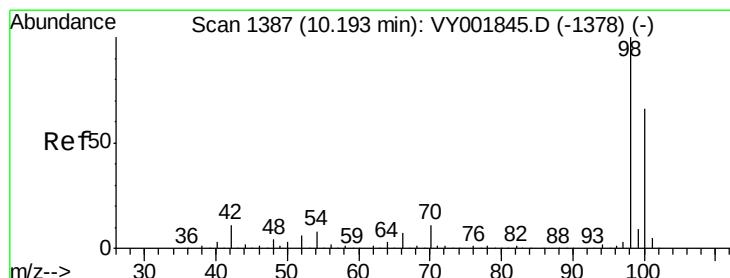
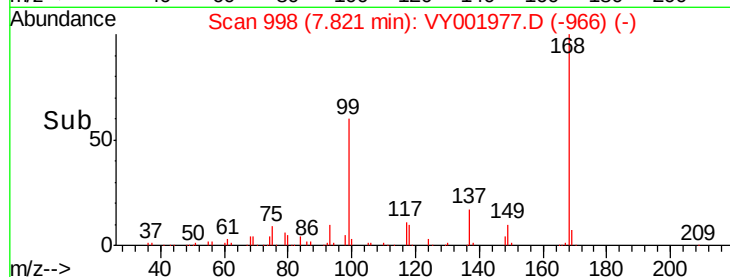
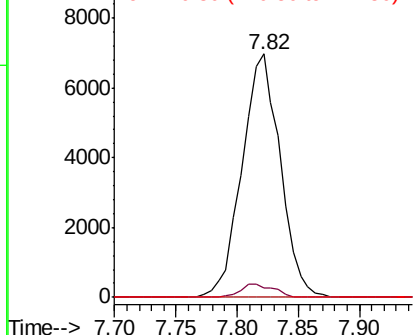
#38
Carbon Tetrachloride
Concen: 6.519 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001977.D
Acq: 16 Mar 2020 13:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-3(2-3)

Tgt Ion:117 Resp: 15131
Ion Ratio Lower Upper
117 100
119 3.9 76.3 114.5#
121 0.0 23.5 35.3#

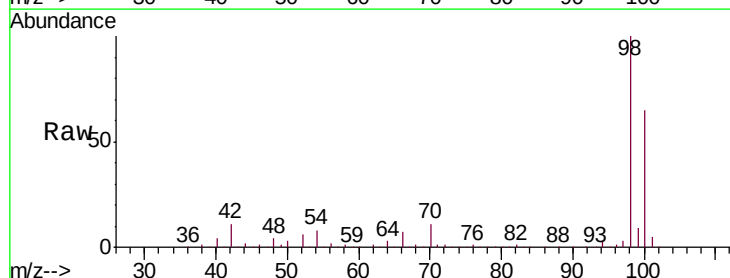


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

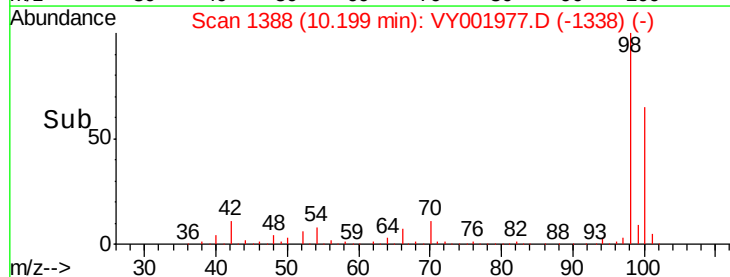
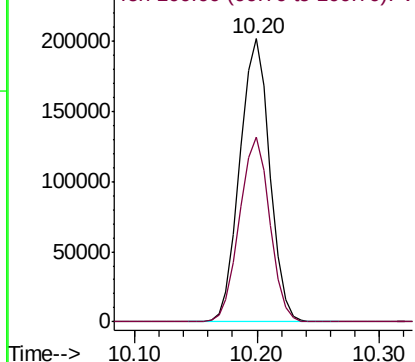


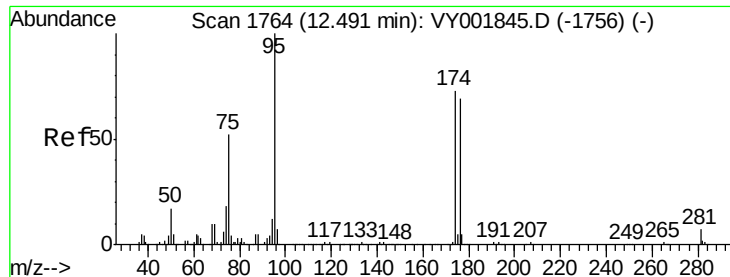
#50
Toluene-d8
Concen: 52.639 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001977.D
Acq: 16 Mar 2020 13:01

Tgt Ion: 98 Resp: 342206
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): V

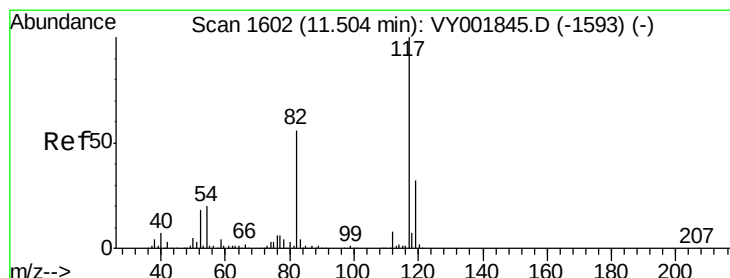
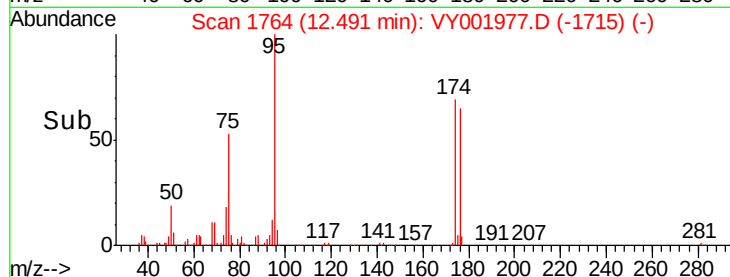
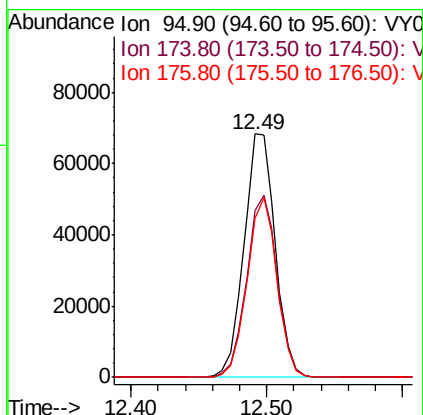
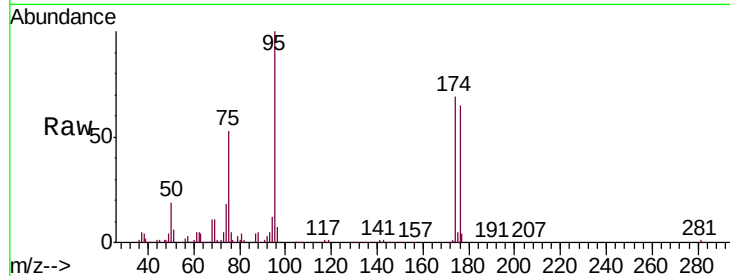




#62
4-Bromofluorobenzene
Concen: 48.331 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001977.D
Acq: 16 Mar 2020 13:01

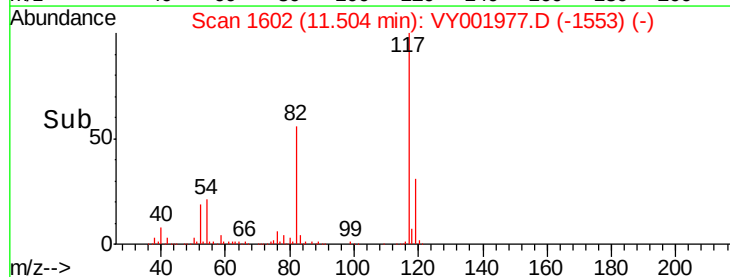
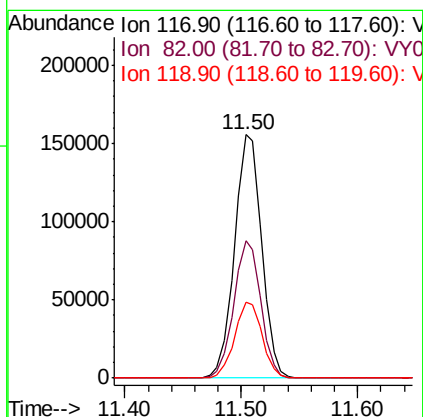
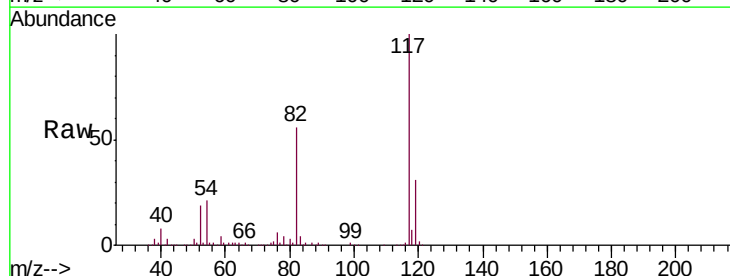
Instrument :
MSVOA_Y
ClientSampleId :
TP-3(2-3)

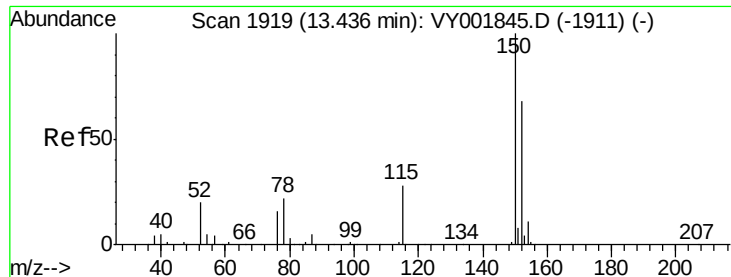
Tgt Ion: 95 Resp: 109252
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.0
176 70.6 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001977.D
Acq: 16 Mar 2020 13:01

Tgt Ion: 117 Resp: 252116
Ion Ratio Lower Upper
117 100
82 56.3 44.5 66.7
119 31.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-3(2-3)

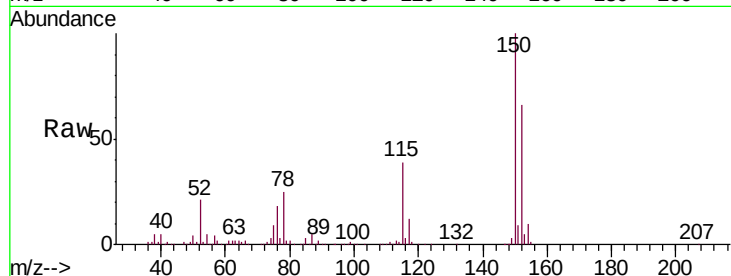
Tgt Ion:152 Resp: 101752

Ion Ratio Lower Upper

152 100

115 60.8 29.9 89.7

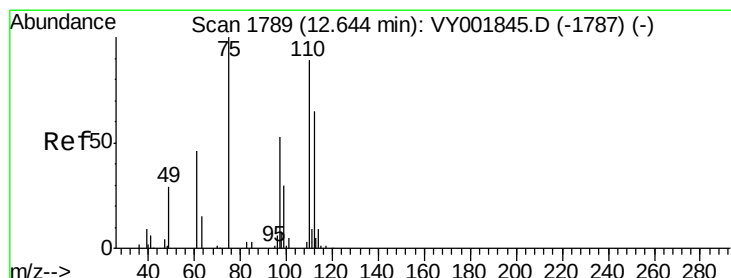
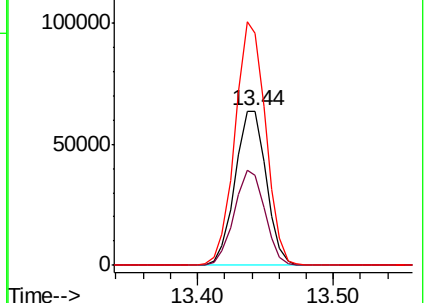
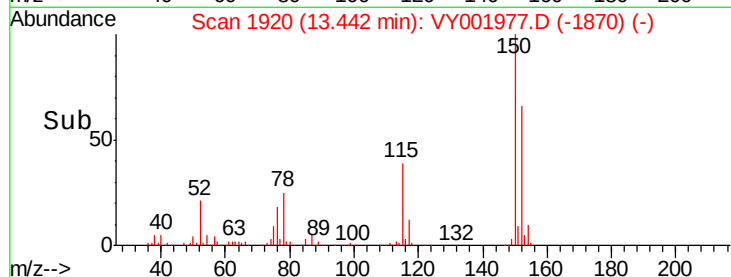
150 154.6 0.0 340.6



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: 46.997 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001977.D

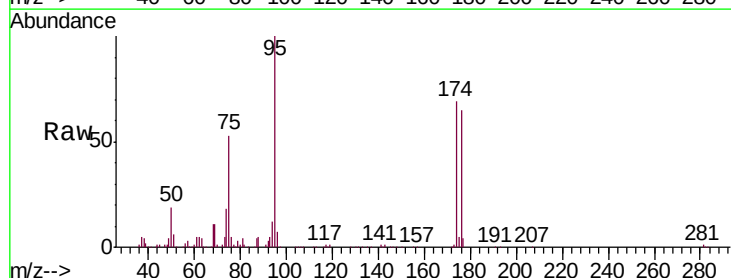
Acq: 16 Mar 2020 13:01

Tgt Ion: 75 Resp: 56742

Ion Ratio Lower Upper

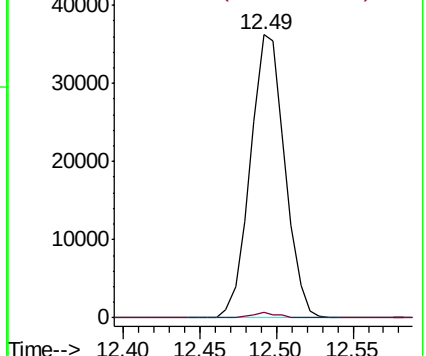
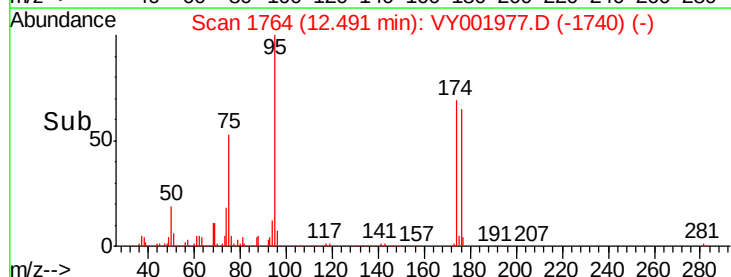
75 100

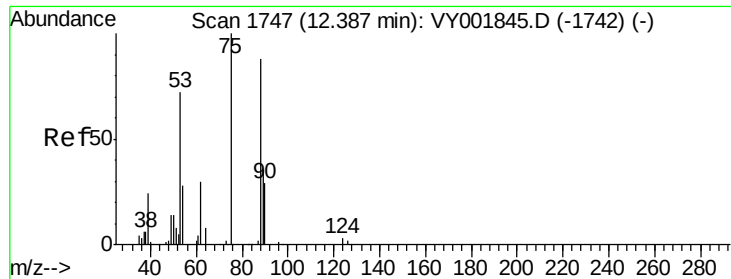
77 1.5 0.0 0.0#



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: 94.931 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001977.D

Acq: 16 Mar 2020 13:01

Instrument :

MSVOA_Y

ClientSampleId :

TP-3(2-3)

Tgt Ion: 75 Resp: 56742

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

