

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002022.D
 Acq On : 19 Mar 2020 15:28
 Operator : SY/MD
 Sample : L1978-05
 Misc : 5.26G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 20 01:57:42 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	132596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	253618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	208780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	68415	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	81446	57.54	ug/l	0.00
Spiked Amount			Recovery	=	115.08%	
35) Dibromofluoromethane	7.74	113	75939	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
50) Toluene-d8	10.19	98	304567	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.49	95	81577	40.17	ug/l	0.00
Spiked Amount			Recovery	=	80.34%	

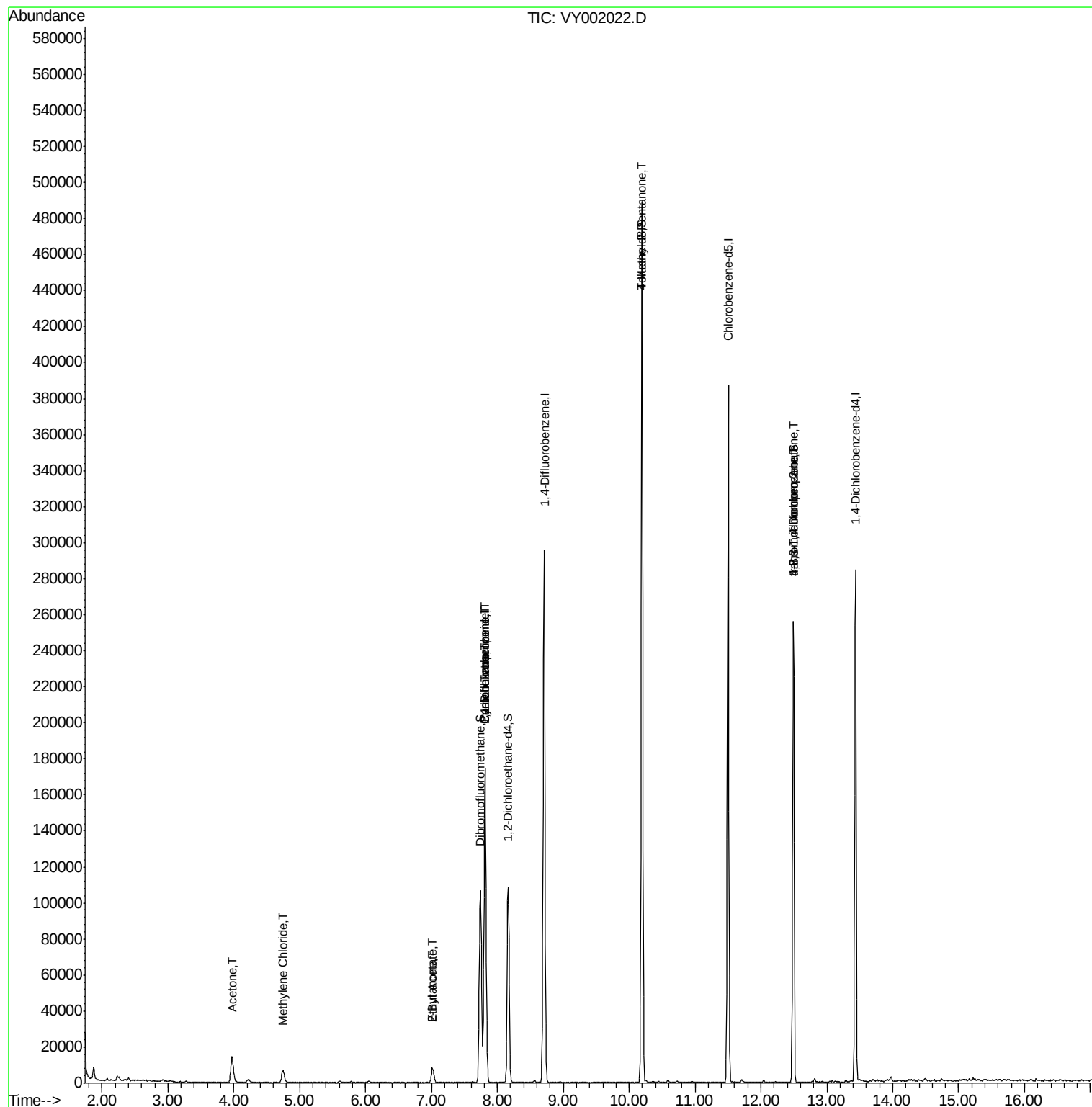
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	79	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	78	Below Cal	#	74
16) Acetone	3.97	43	25679	62.283	ug/l	95
20) Methylene Chloride	4.75	84	4651	2.632	ug/l	90
25) 2-Butanone	7.02	43	10246	16.342	ug/l	100
31) Cyclohexane	7.81	56	3117	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11232	4.602	ug/l #	51
37) Ethyl Acetate	7.02	43	10246	7.223	ug/l #	80
38) Carbon Tetrachloride	7.81	117	13505	6.478	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1601	1.157	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	42646	52.533	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	42646	106.115	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# 997

Delta R.T. 0.00 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

Instrument :

MSVOA_Y

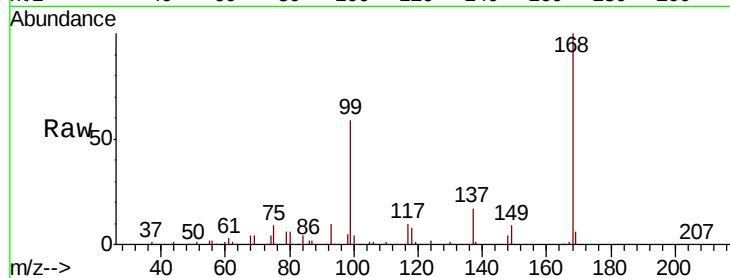
ClientSampleId :

Tot Ion:168 Resp: 132596

Ion Ratio Lower Upper

168 100

99 59.2 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) (-)

7.82

60000

40000

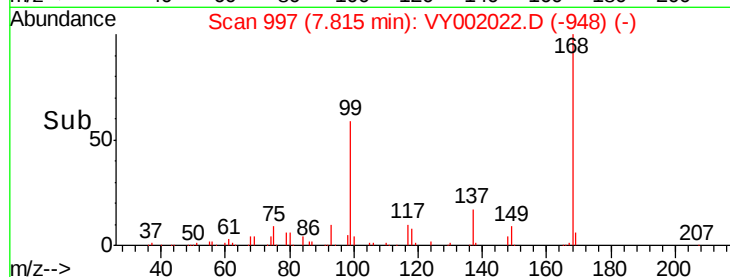
20000

0

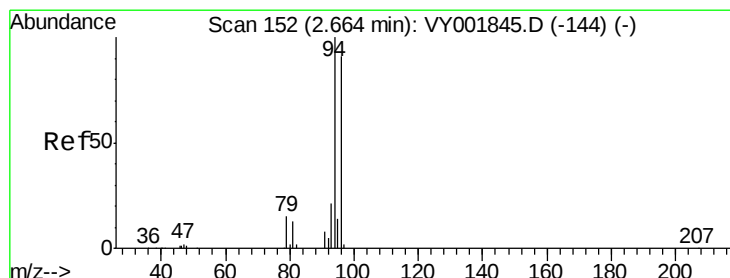
7.70

7.80

7.90



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY002022.D

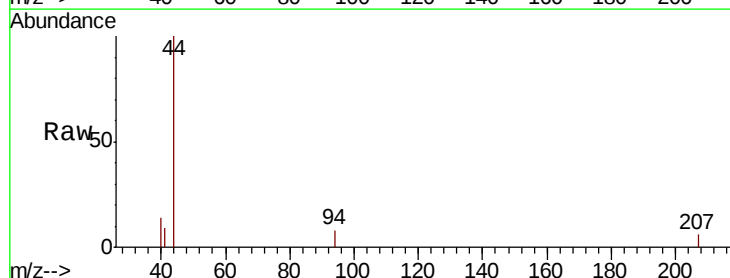
Acq: 19 Mar 2020 15:28

Tgt Ion: 94 Resp: 79

Ion Ratio Lower Upper

94 100

96 0.0 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) (-)

2.68

80

60

40

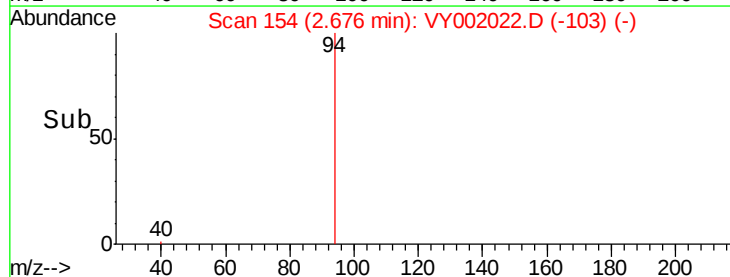
20

0

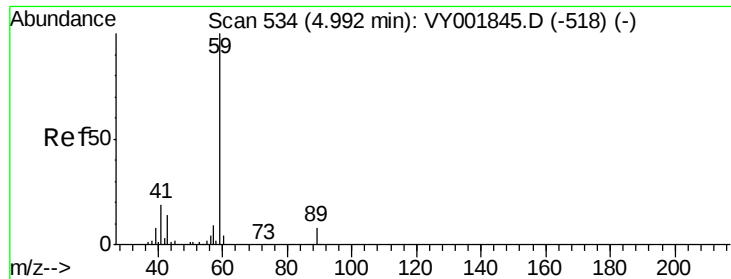
2.66

2.68

2.70



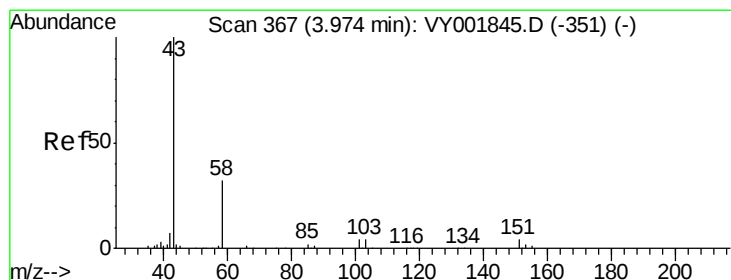
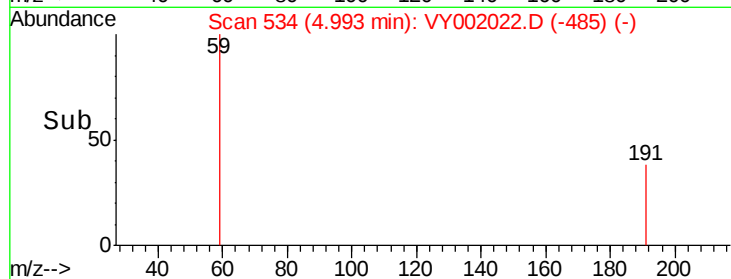
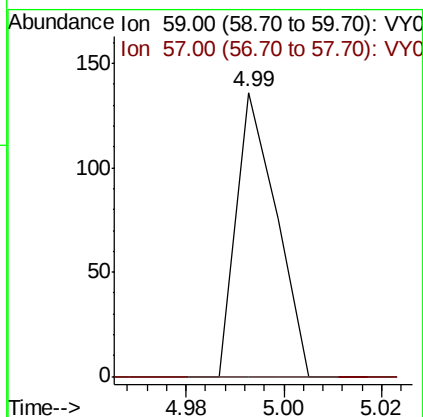
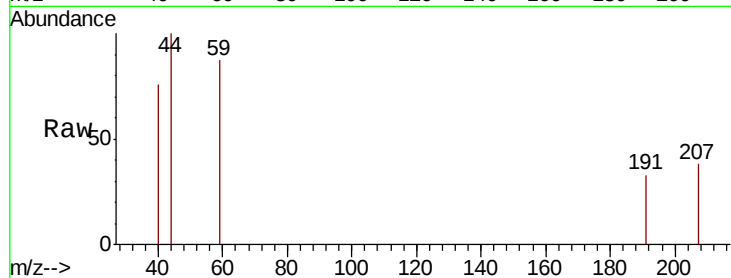
Time-->



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

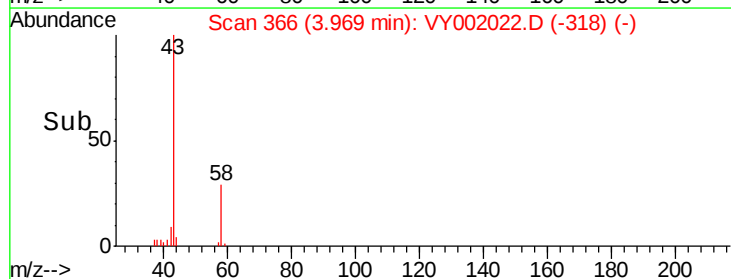
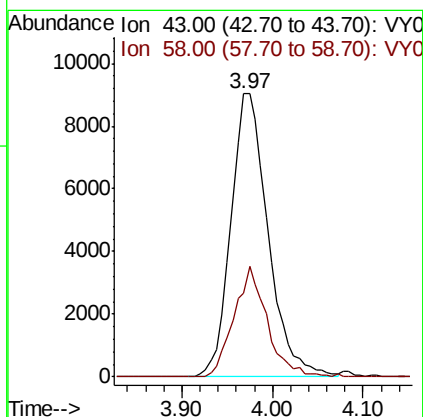
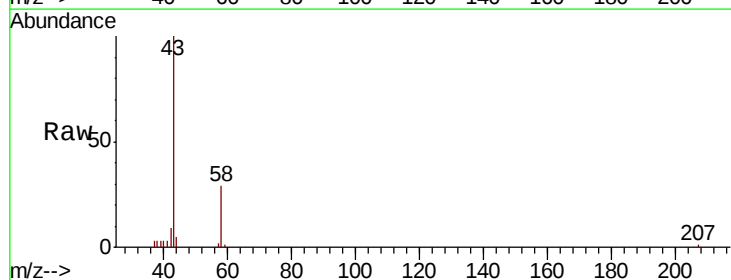
Instrument :
MSVOA_Y
ClientSampled :

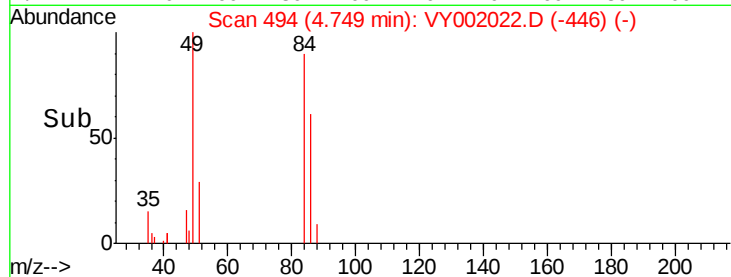
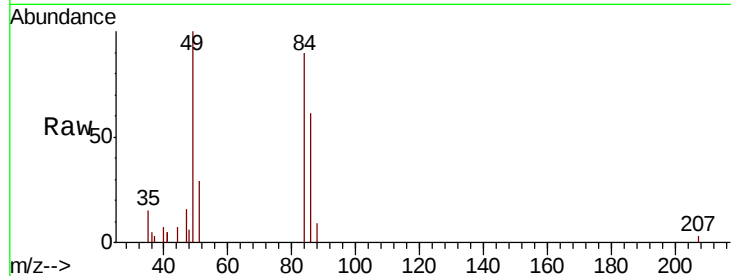
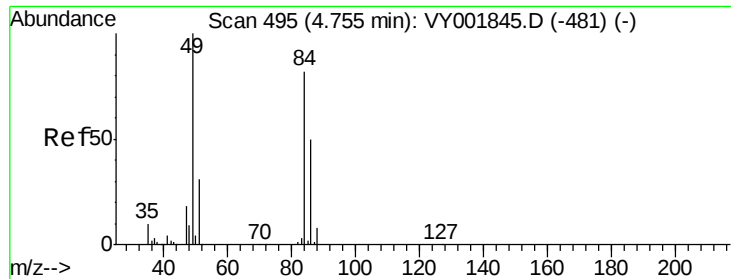
Tot Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 62.283 ug/l
RT: 3.97 min Scan# 366
Delta R.T. -0.01 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 43 Resp: 25679
Ion Ratio Lower Upper
43 100
58 29.4 25.9 38.9

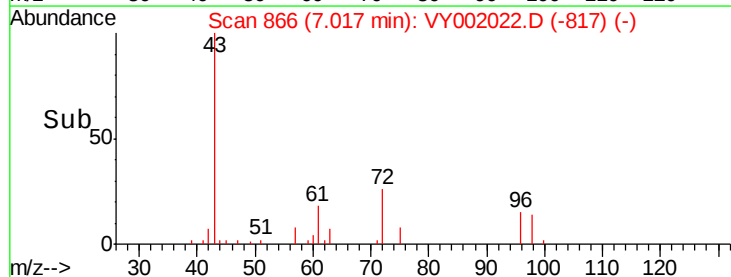
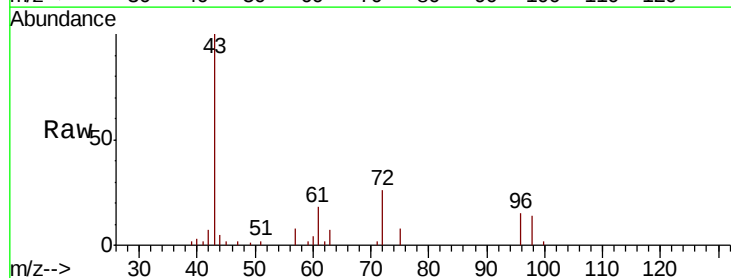
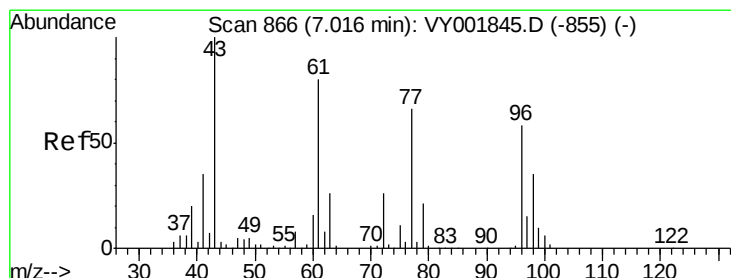
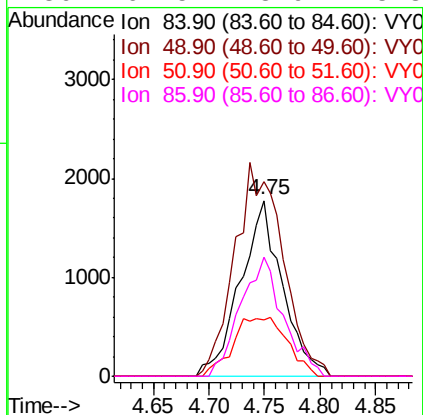




#20
Methvlene Chloride
Concen: 2.632 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

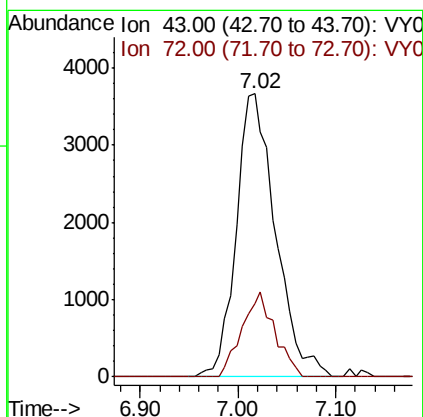
Instrument :
MSVOA_Y
ClientSampleId :

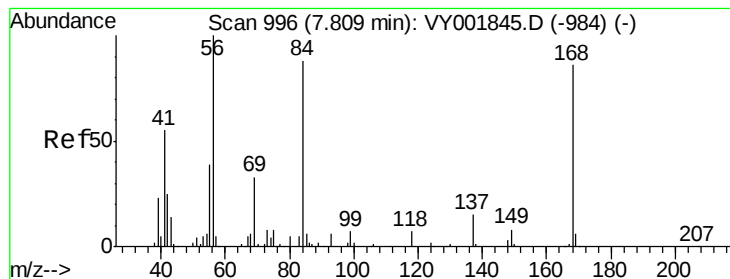
Tot Ion: 84 Resp: 4651
Ion Ratio Lower Upper
84 100
49 111.0 98.2 147.2
51 31.8 30.2 45.2
86 67.5 48.9 73.3



#25
2-Butanone
Concen: 16.342 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 43 Resp: 10246
Ion Ratio Lower Upper
43 100
72 25.9 20.9 31.3





#31

Cyclohexane

Concen: 1.002 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

Instrument :
MSVOA_Y
ClientSampled :

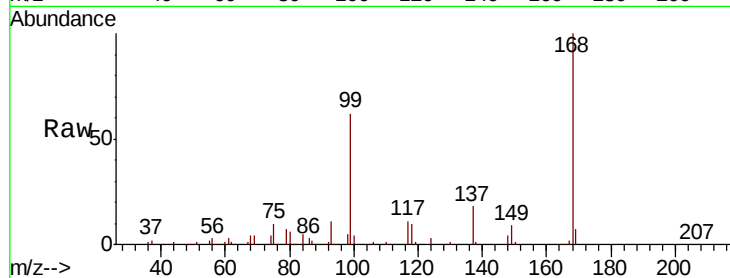
Tot Ion: 56 Resp: 3117

Ion Ratio Lower Upper

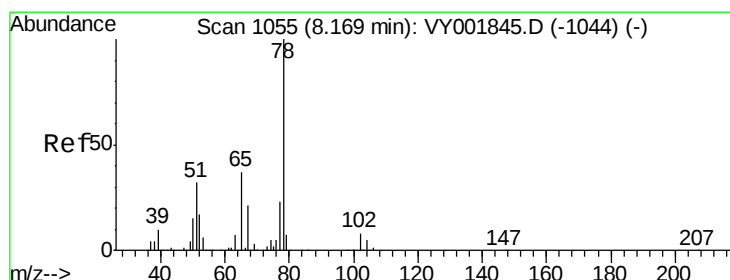
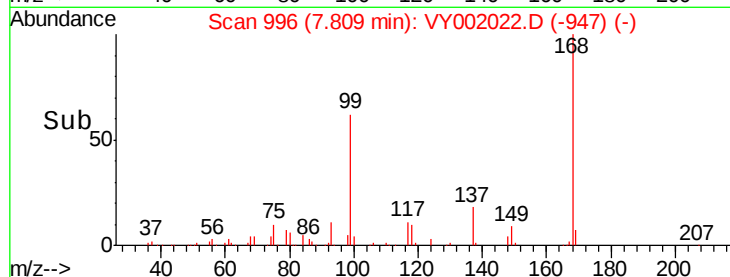
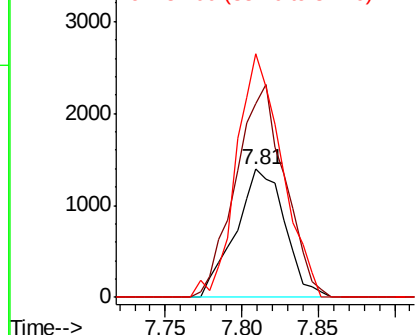
56 100

69 151.4 26.7 40.1#

84 190.0 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: 57.537 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002022.D

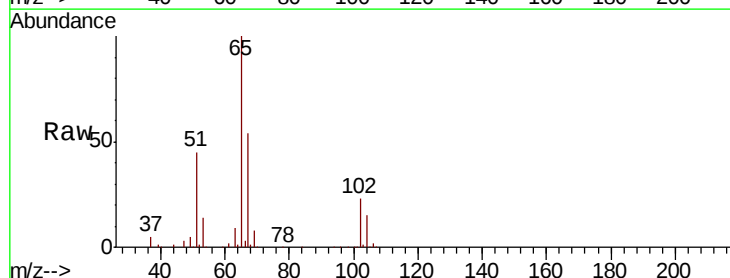
Acq: 19 Mar 2020 15:28

Tgt Ion: 65 Resp: 81446

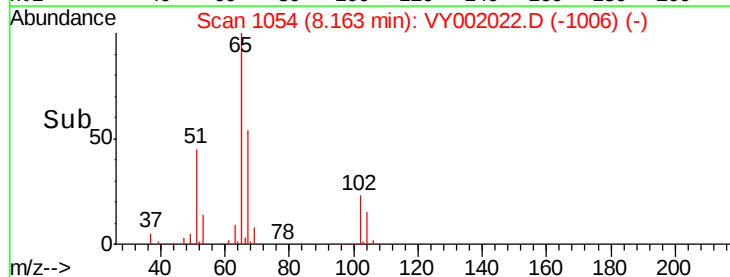
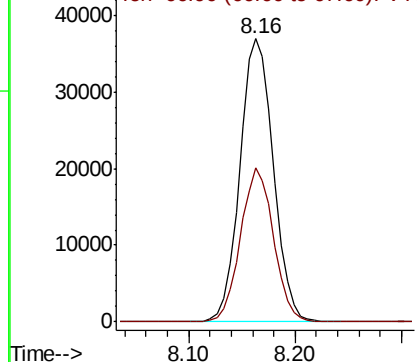
Ion Ratio Lower Upper

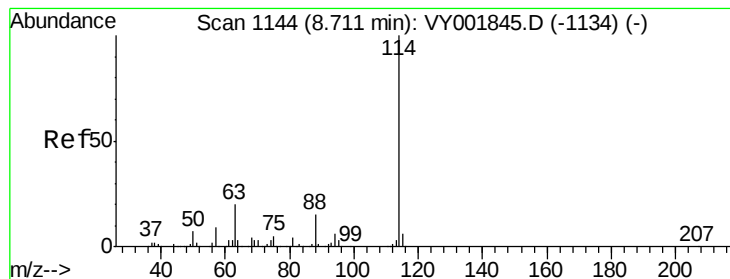
65 100

67 53.7 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: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

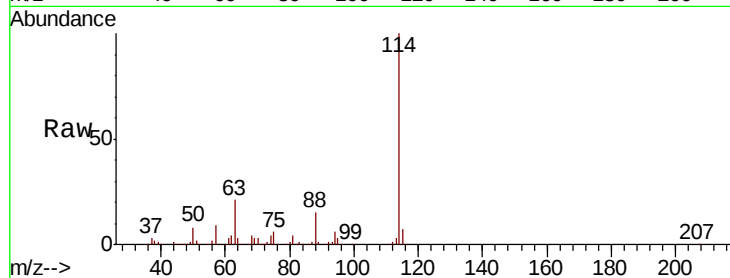
Tot Ion:114 Resp: 253618

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.4

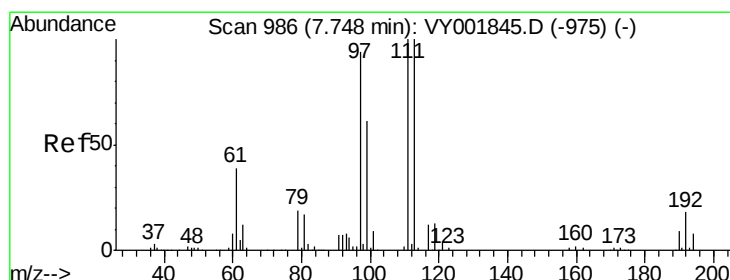
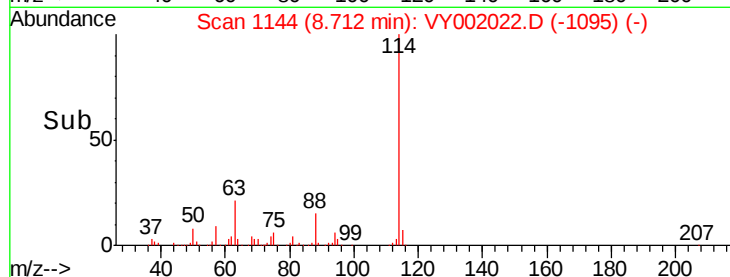
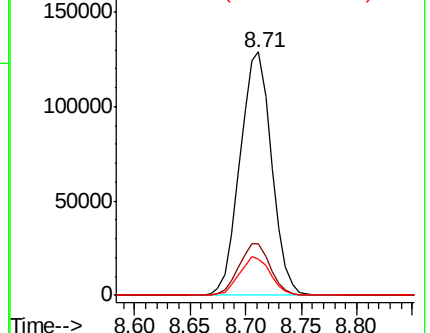
88 15.1 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 54.835 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

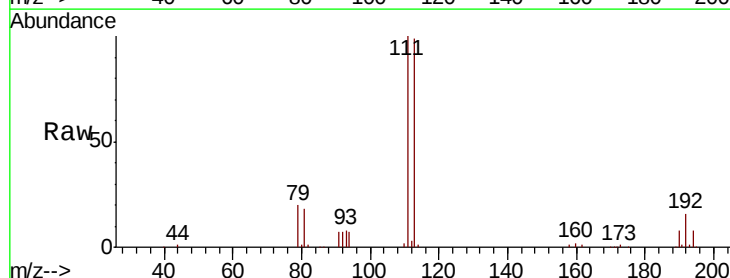
Tgt Ion:113 Resp: 75939

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

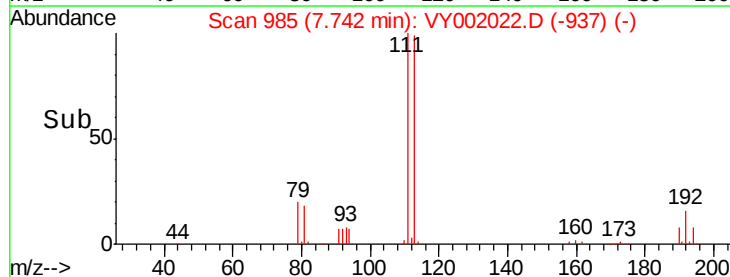
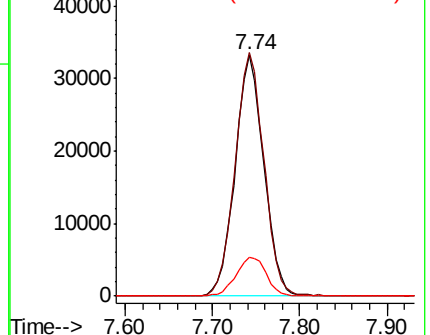
192 16.9 14.2 21.2

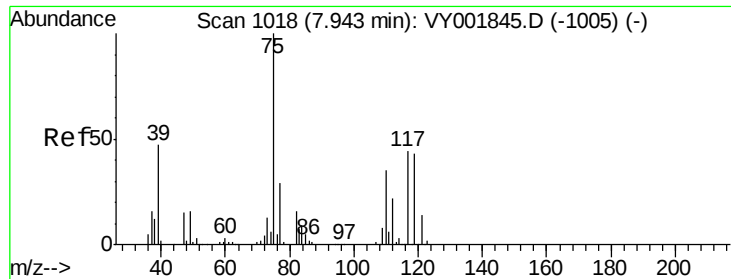


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

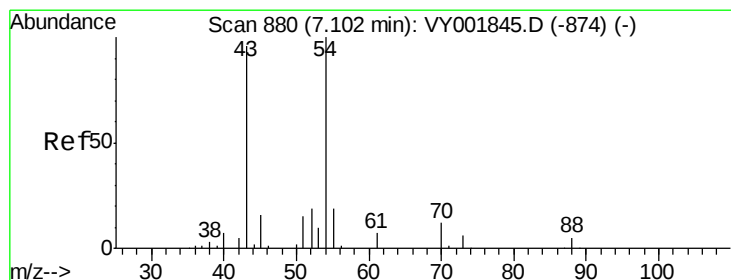
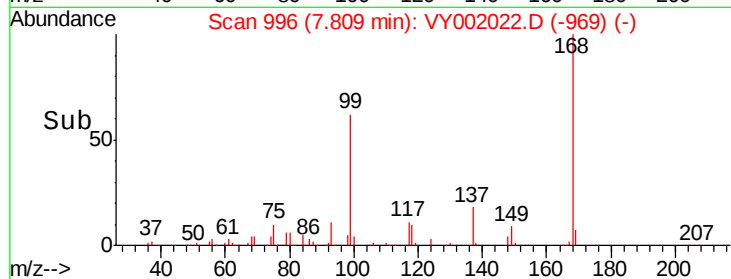
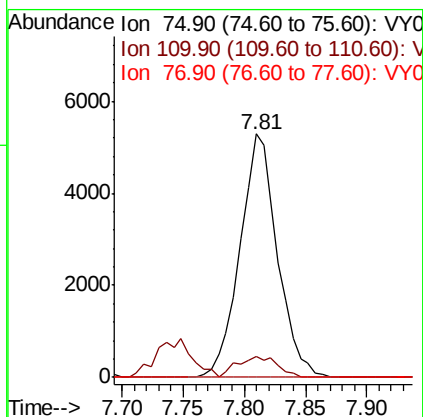
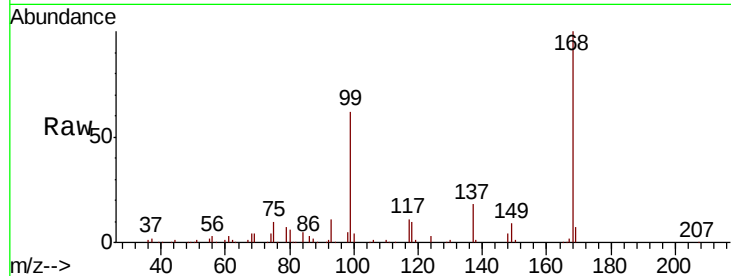




#36
 1,1-Dichloropropene
 Concen: 4.602 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002022.D
 Acq: 19 Mar 2020 15:28

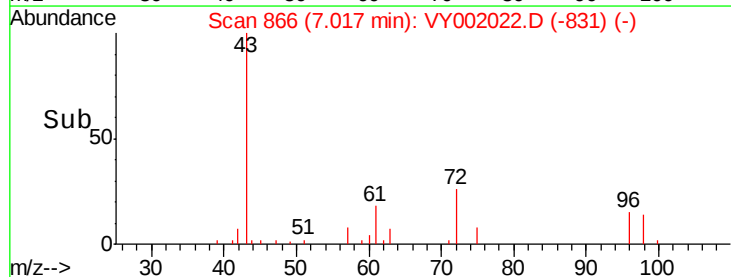
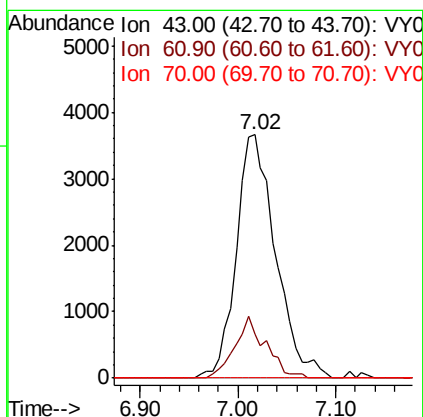
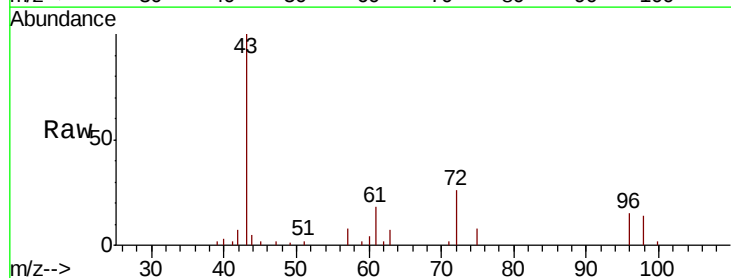
Instrument :
 MSVOA_Y
 ClientSampleId :

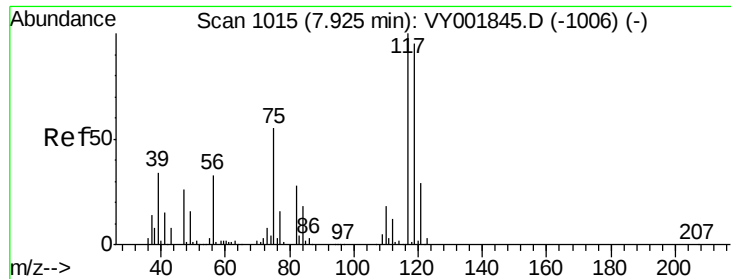
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.4	52.2#
77	0.0	24.2	36.2#



#37
 Ethyl Acetate
 Concen: 7.223 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.09 min
 Lab File: VY002022.D
 Acq: 19 Mar 2020 15:28

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.7	11.1	16.7#
70	0.0	8.2	12.4#

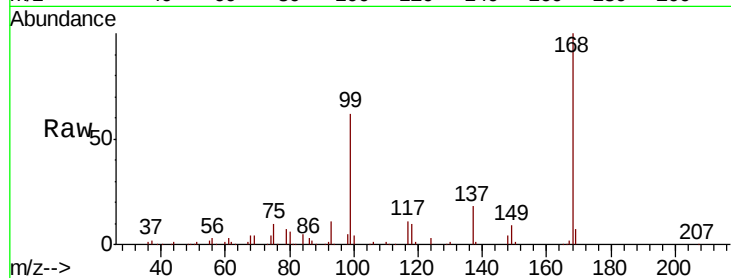




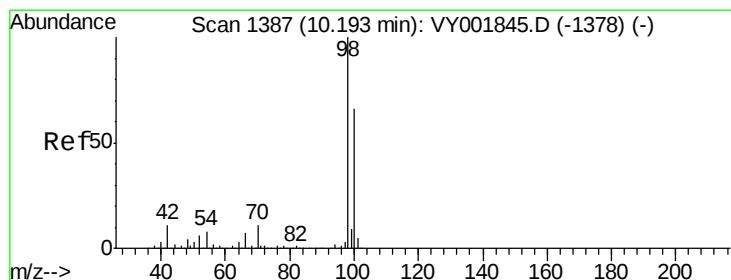
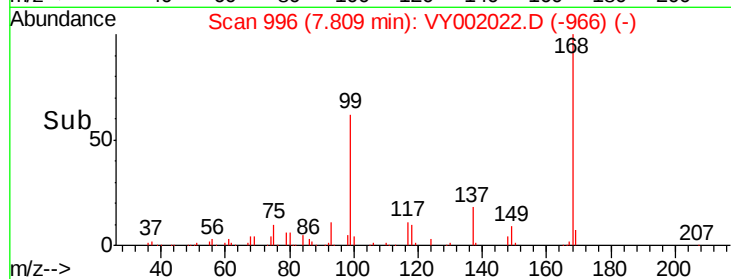
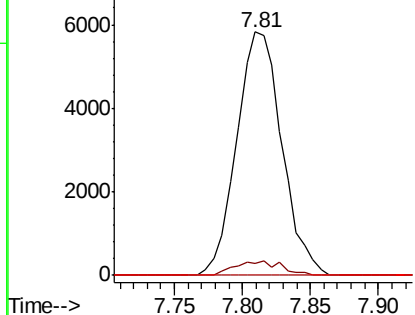
#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 13505
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 23.5 35.3#

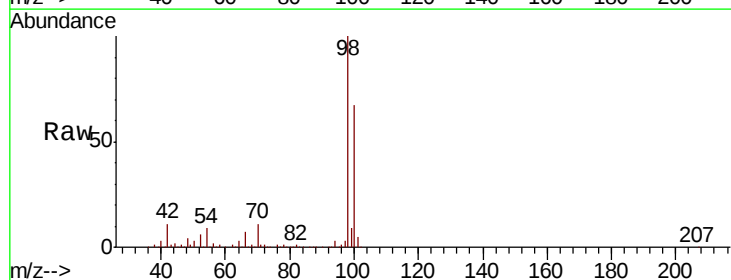


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

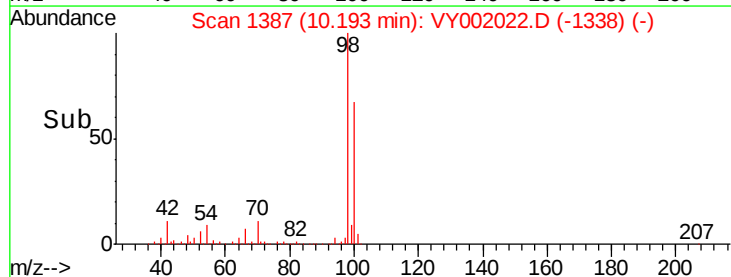
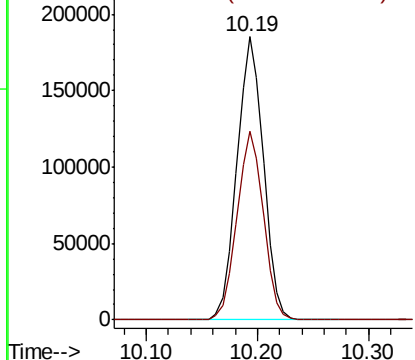


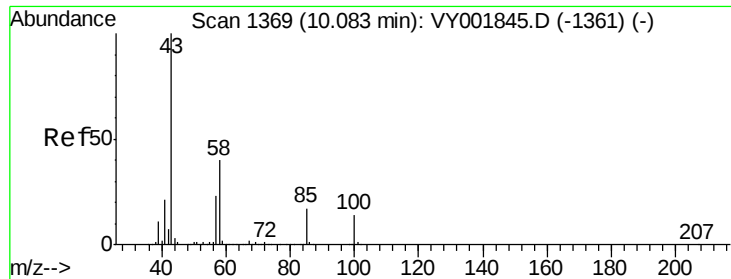
#50
Toluene-d8
Concen: 52.154 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 98 Resp: 304567
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.157 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

Instrument :

MSVOA_Y

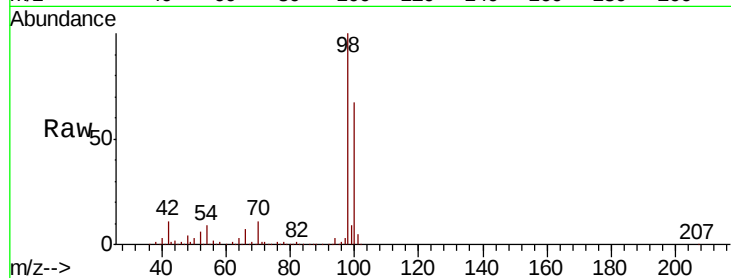
ClientSampleId :

Tot Ion: 43 Resp: 1601

Ion Ratio Lower Upper

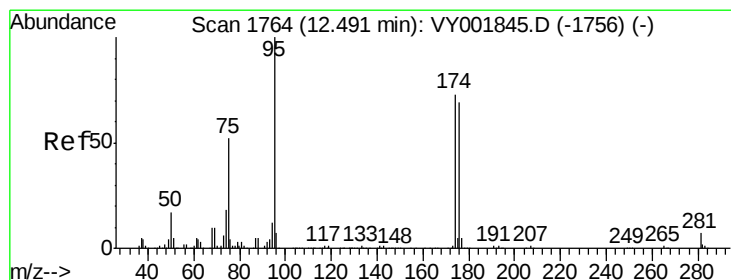
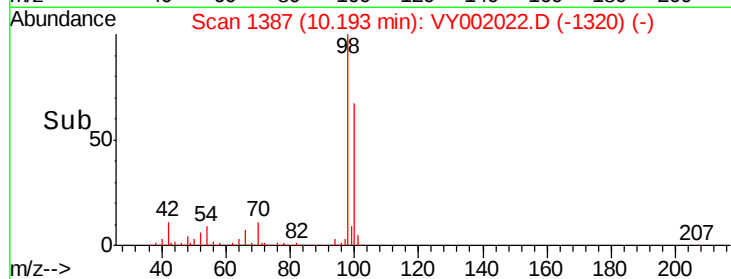
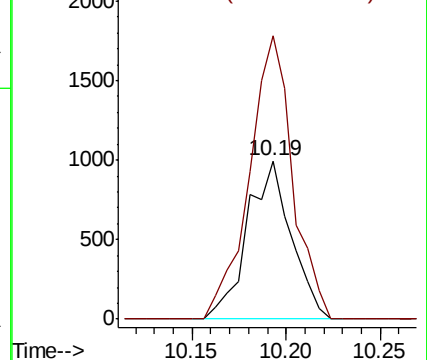
43 100

58 177.6 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 40.175 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

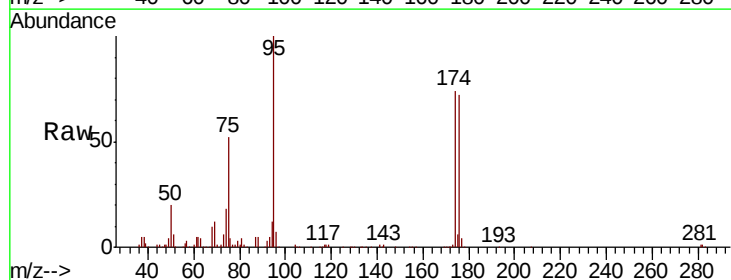
Tgt Ion: 95 Resp: 81577

Ion Ratio Lower Upper

95 100

174 74.5 0.0 145.0

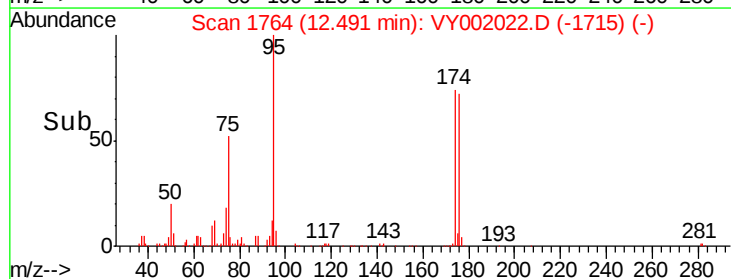
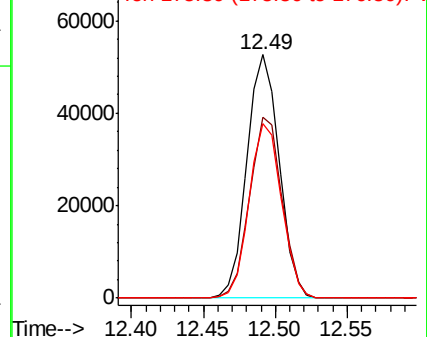
176 72.1 0.0 137.4

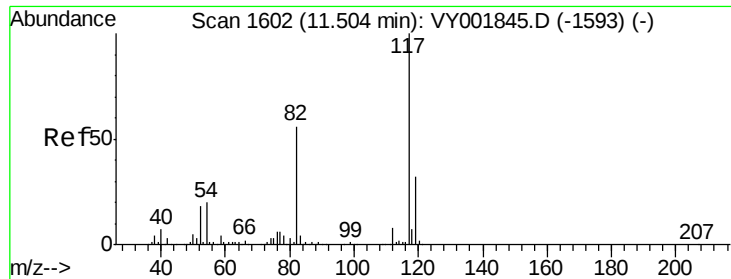


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

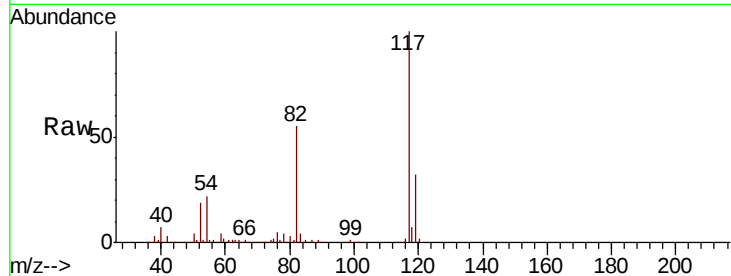




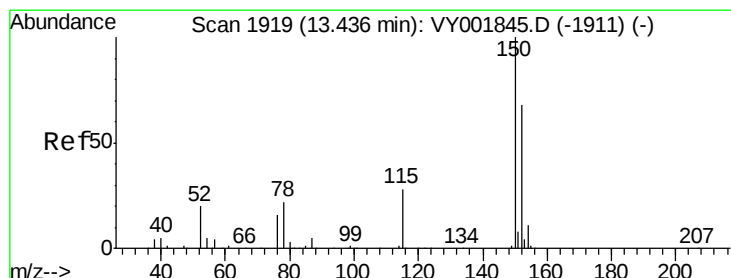
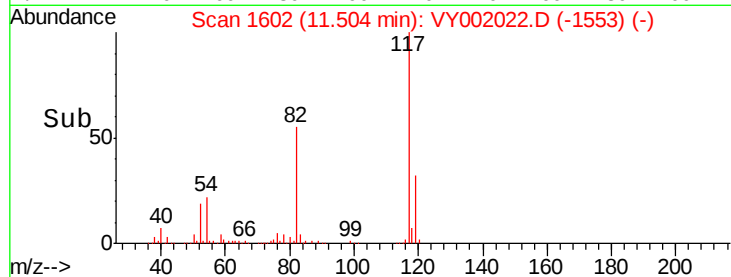
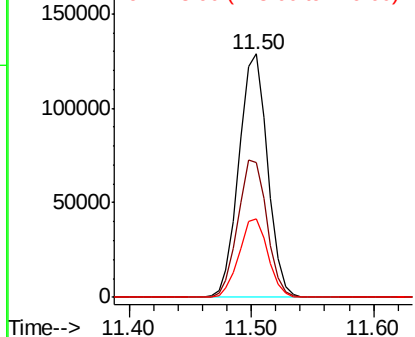
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.5	66.7
119	32.1	25.7	38.5

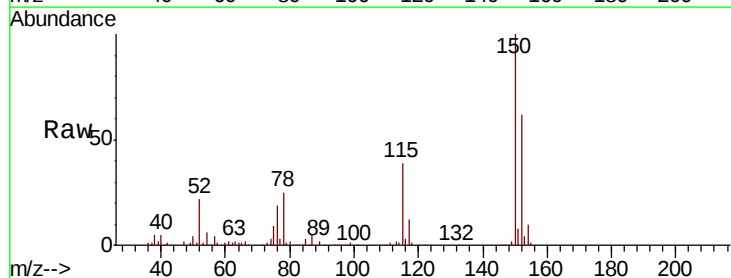


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

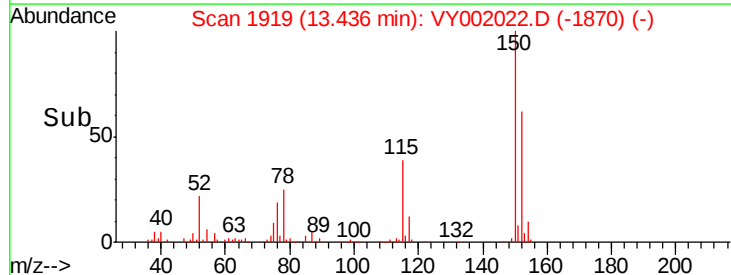
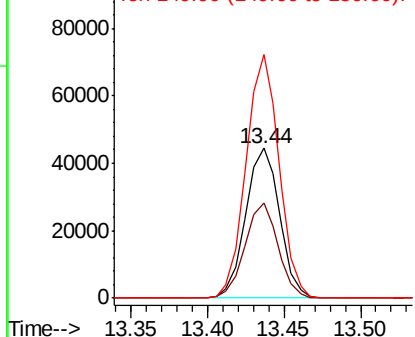


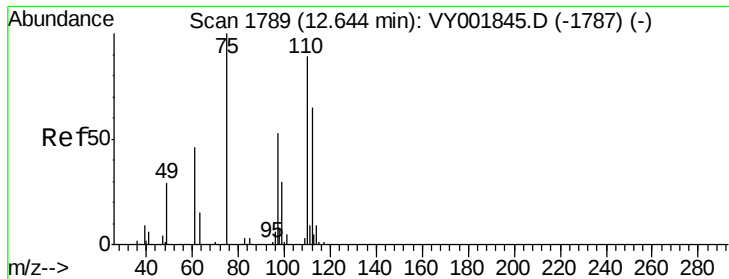
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	29.9	89.7
150	158.2	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: 52.533 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

Instrument :

MSVOA_Y

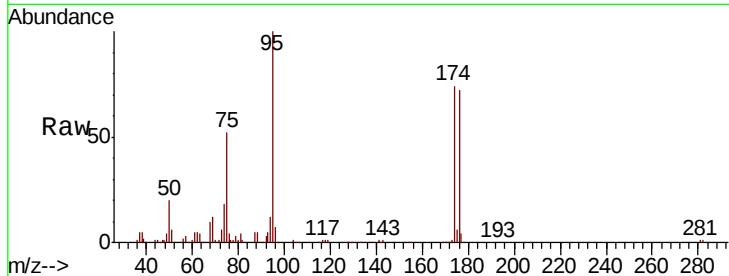
ClientSampleId :

Tot Ion: 75 Resp: 42646

Ion Ratio Lower Upper

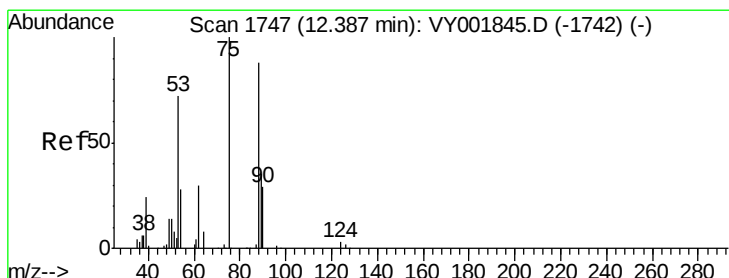
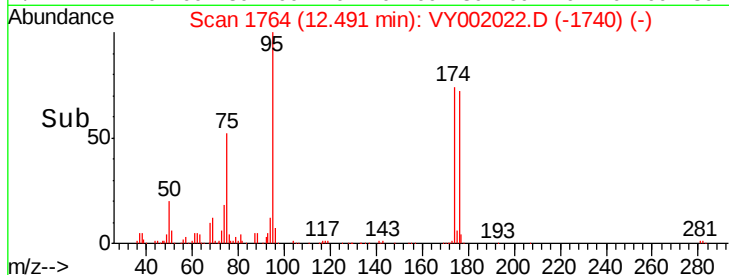
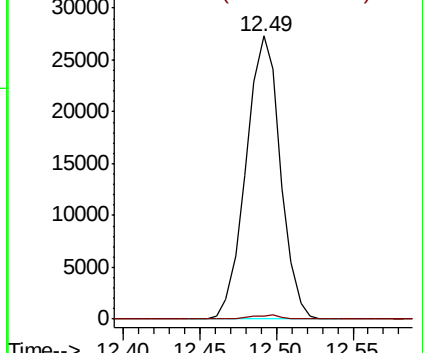
75 100

77 1.4 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: 106.115 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002022.D

Acq: 19 Mar 2020 15:28

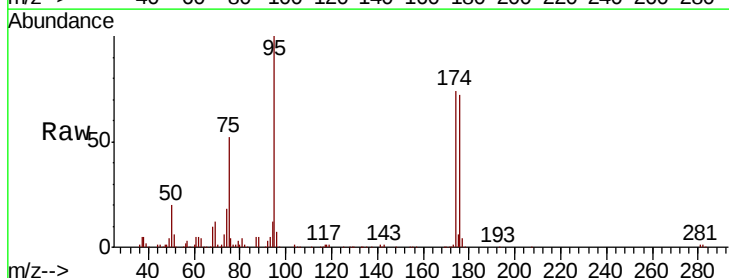
Tgt Ion: 75 Resp: 42646

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#



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

