

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032420\
 Data File : VY002054.D
 Acq On : 24 Mar 2020 16:33
 Operator : SY/MD
 Sample : L2028-02
 Misc : 8.21G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-31-(5.5-6)

Quant Time: Mar 24 16:59:13 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	7.81	168	136687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	265685	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	244793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	109007	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	86794	59.48	ug/l	-0.01
Spiked Amount			Recovery	=	118.96%	
35) Dibromofluoromethane	7.74	113	76989	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
50) Toluene-d8	10.19	98	324212	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.49	95	111747	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	

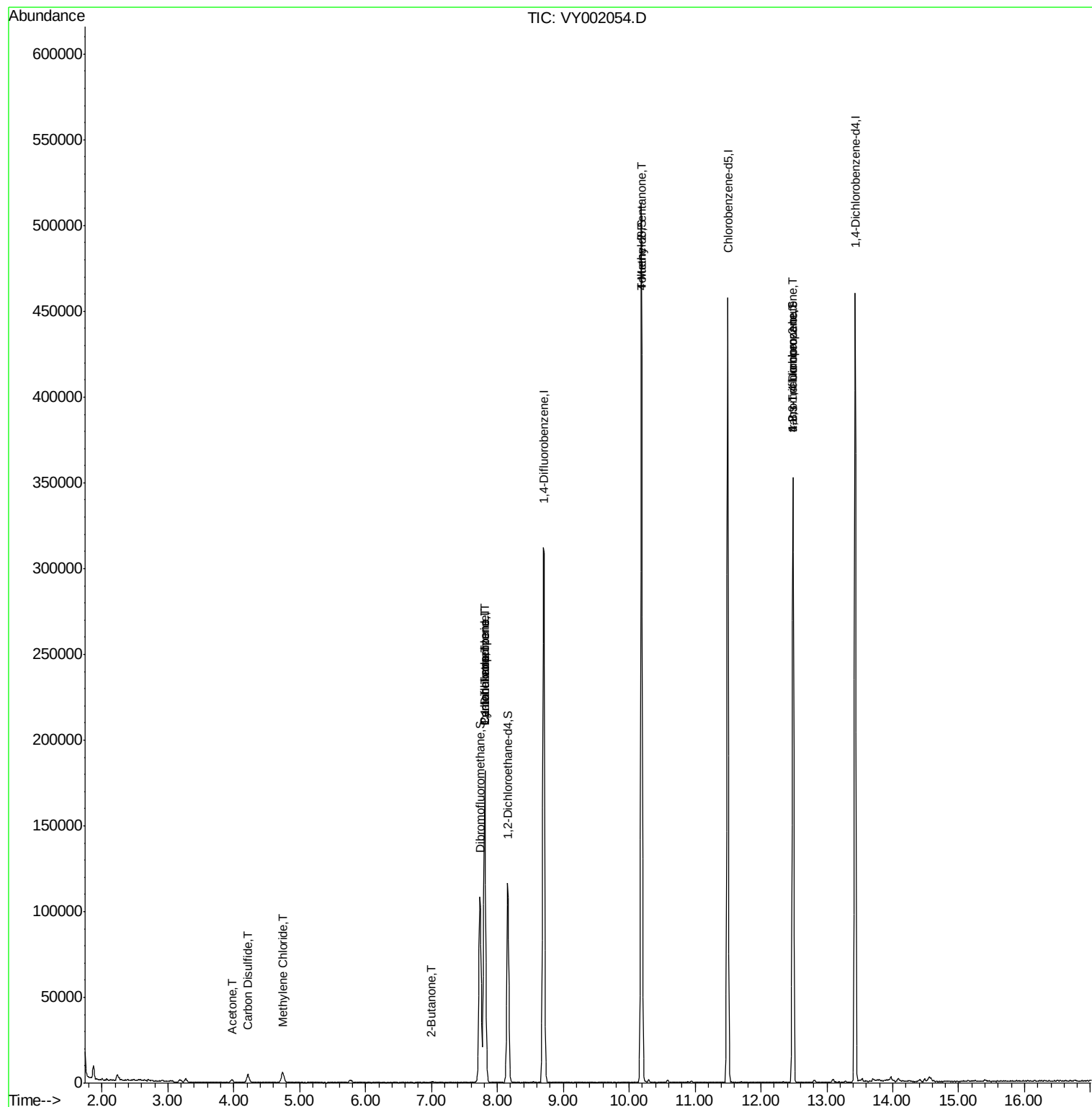
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.50	94	28	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	25	Below Cal	#	74
16) Acetone	3.97	43	3261	7.67	ug/l	95
17) Carbon Disulfide	4.22	76	9468	1.85	ug/l	99
20) Methylene Chloride	4.74	84	4251	2.33	ug/l	90
25) 2-Butanone	7.00	43	754	1.17	ug/l	# 49
31) Cyclohexane	7.80	56	3316	1.03	ug/l	# 9
36) 1,1-Dichloropropene	7.80	75	11758	4.60	ug/l	# 49
38) Carbon Tetrachloride	7.81	117	13998	6.41	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.19	43	1496	1.03	ug/l	# 1
76) 1,2,3-Trichloropropane	12.49	75	58794	45.46	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	58794	91.82	ug/l	# 17

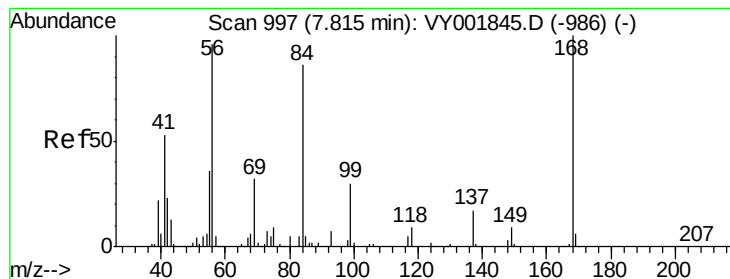
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002054.D

Acq: 24 Mar 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

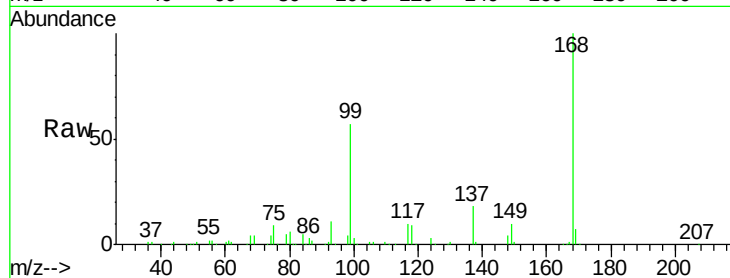
SB-31-(5.5-6)

Tgt Ion:168 Resp: 136687

Ion Ratio Lower Upper

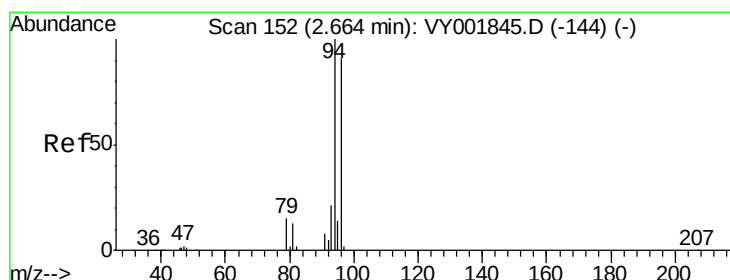
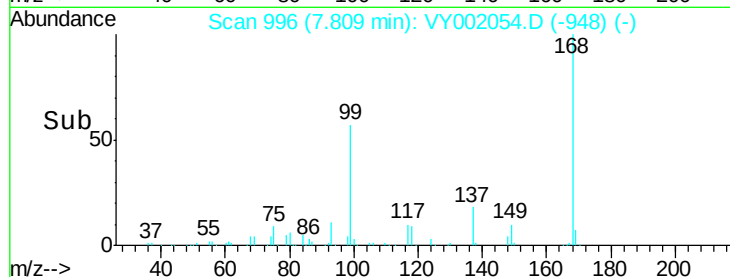
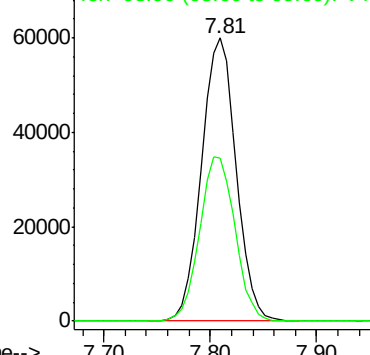
168 100

99 57.4 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: 2.50 min Scan# 125

Delta R.T. -0.16 min

Lab File: VY002054.D

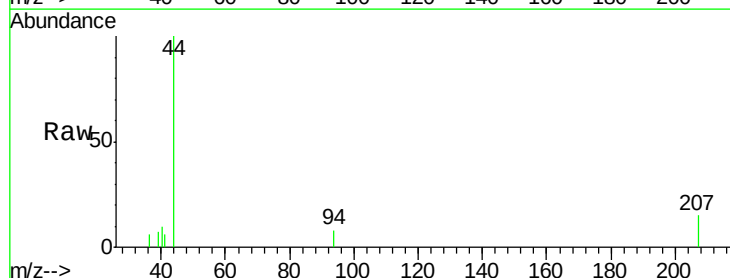
Acq: 24 Mar 2020 16:33

Tgt Ion: 94 Resp: 28

Ion Ratio Lower Upper

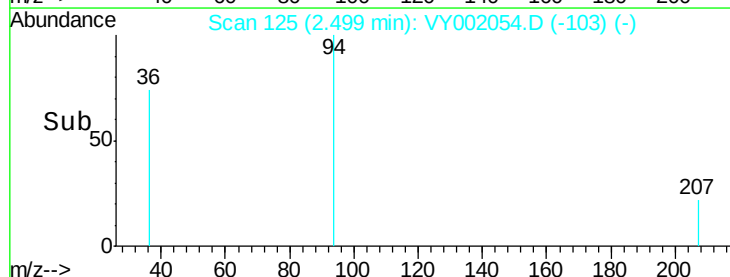
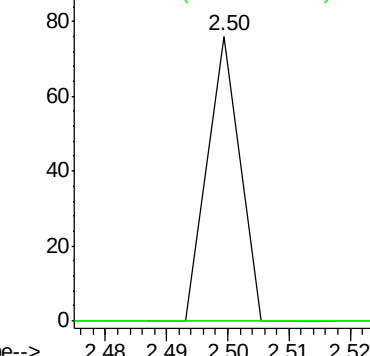
94 100

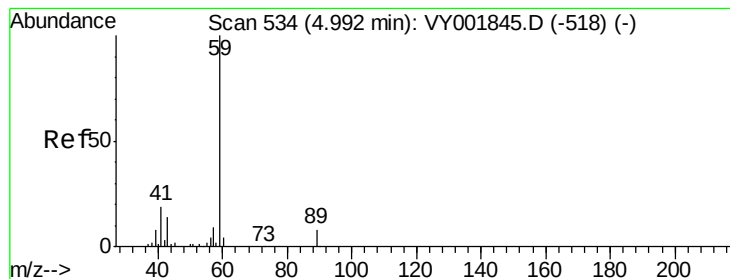
96 0.0 73.2 109.8#



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

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



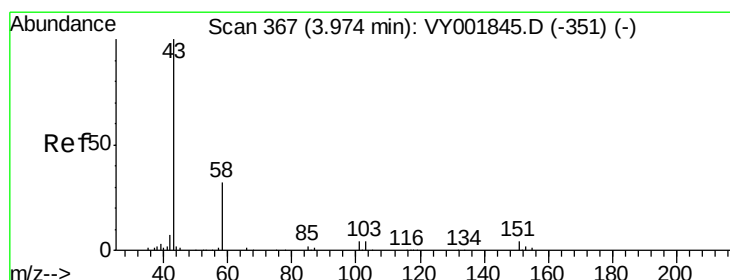
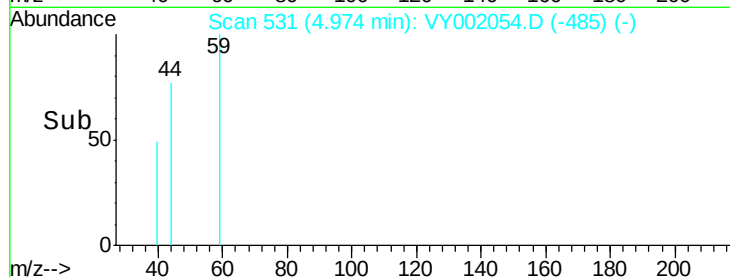
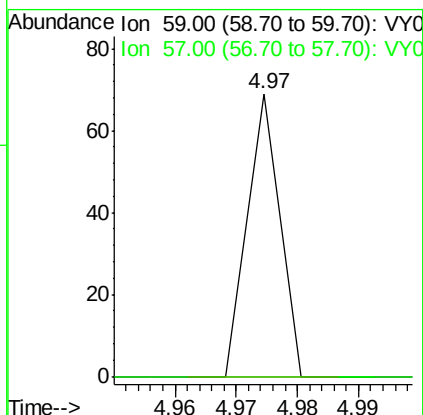
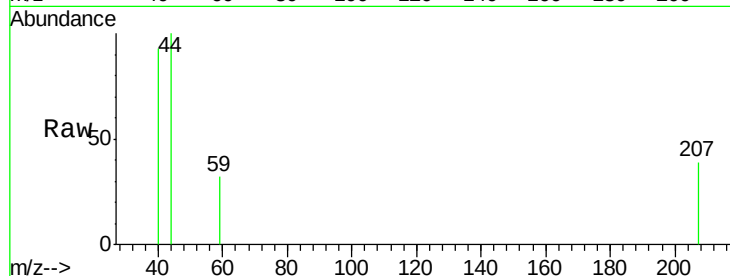


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-31-(5.5-6)

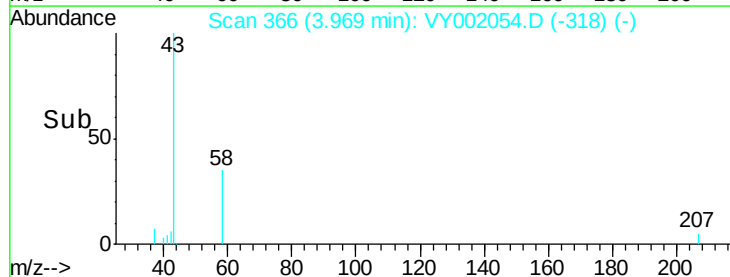
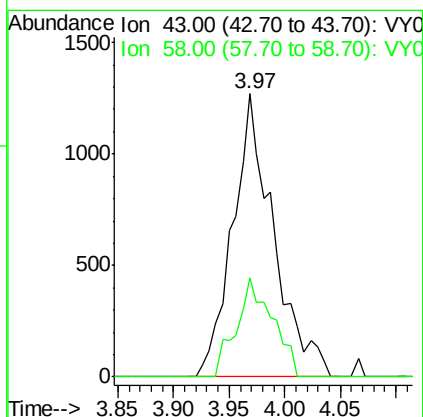
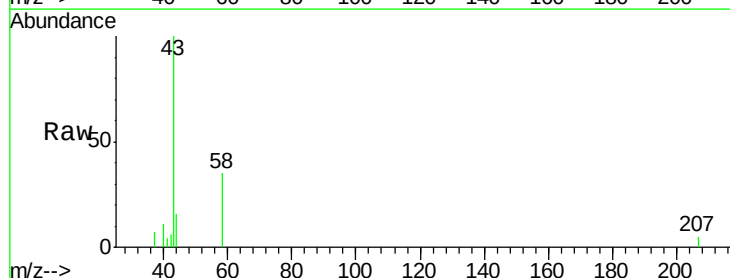
Tgt Ion: 59 Resp: 25
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

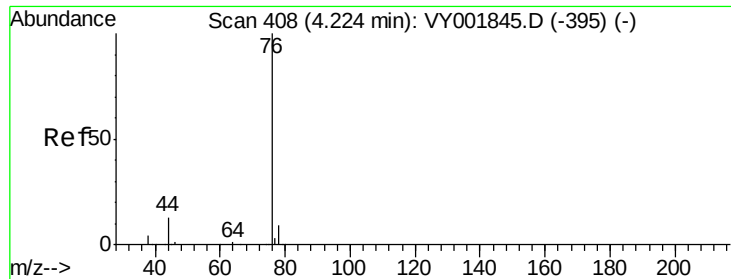


#16

Acetone
 Concen: 7.67 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

Tgt Ion: 43 Resp: 3261
 Ion Ratio Lower Upper
 43 100
 58 35.2 25.9 38.9





#17

Carbon Disulfide

Concen: 1.85 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY002054.D

Acq: 24 Mar 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

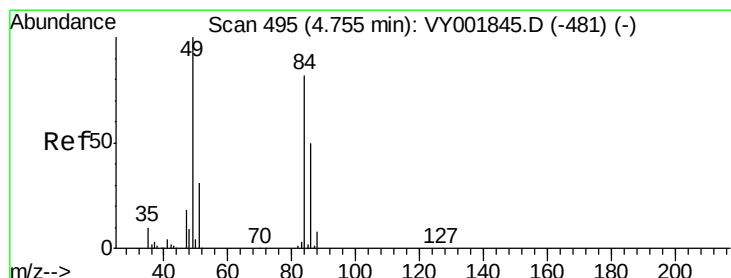
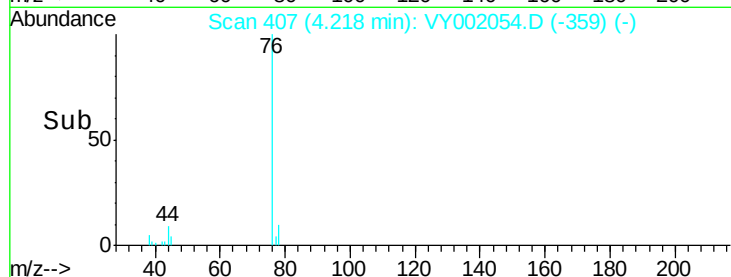
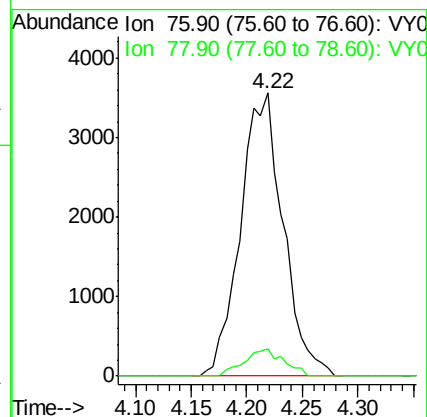
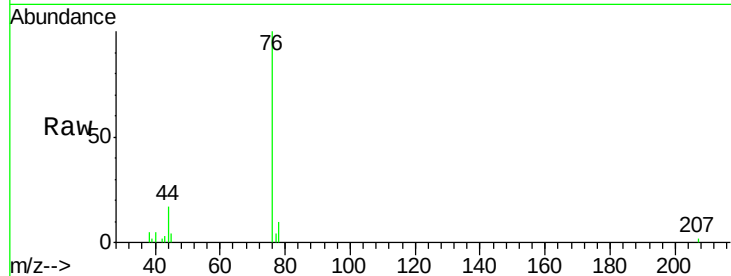
SB-31-(5.5-6)

Tgt Ion: 76 Resp: 9468

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



#20

Methylene Chloride

Concen: 2.33 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY002054.D

Acq: 24 Mar 2020 16:33

Tgt Ion: 84 Resp: 4251

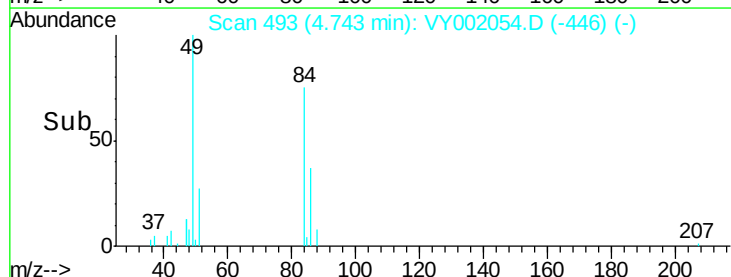
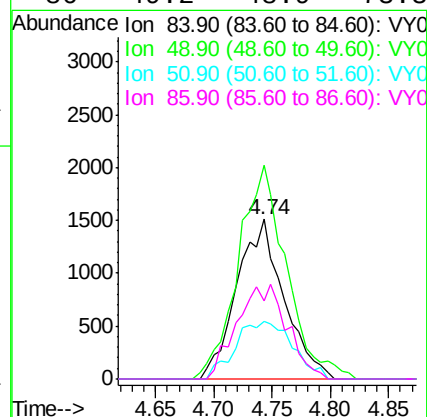
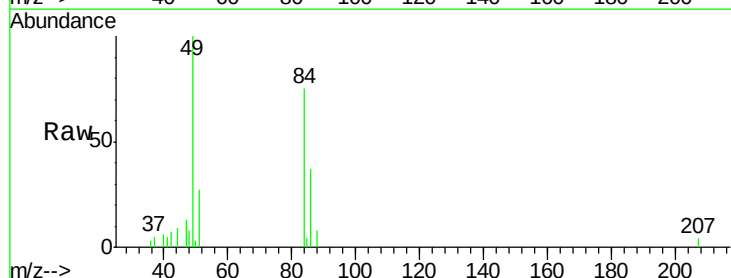
Ion Ratio Lower Upper

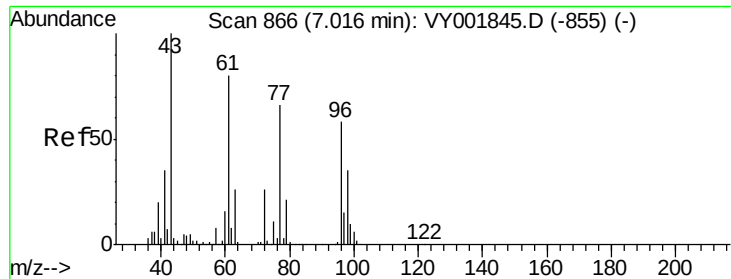
84 100

49 133.8 98.2 147.2

51 35.8 30.2 45.2

86 49.2 48.9 73.3





#25

2-Butanone

Concen: 1.17 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002054.D

Acq: 24 Mar 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

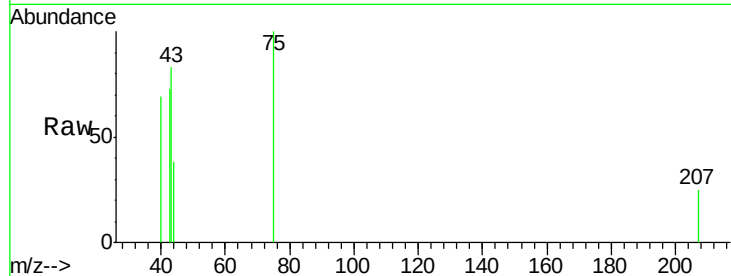
SB-31-(5.5-6)

Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

400

300

200

100

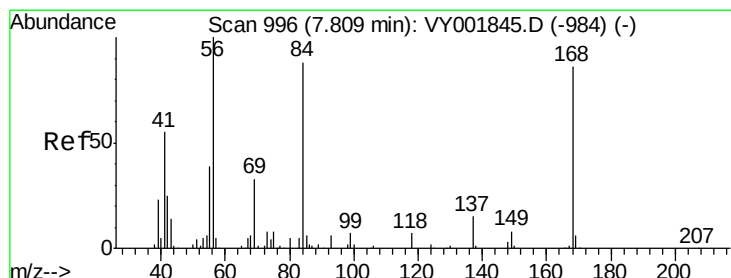
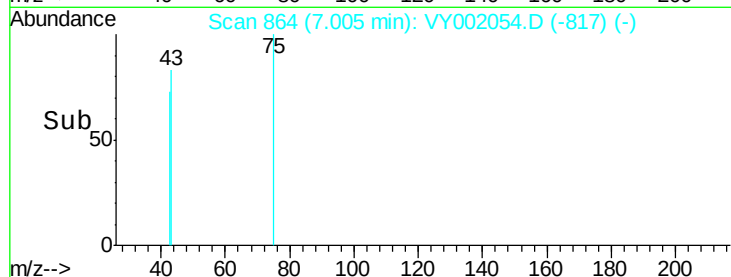
0

6.95

7.00

7.05

Time-->



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002054.D

Acq: 24 Mar 2020 16:33

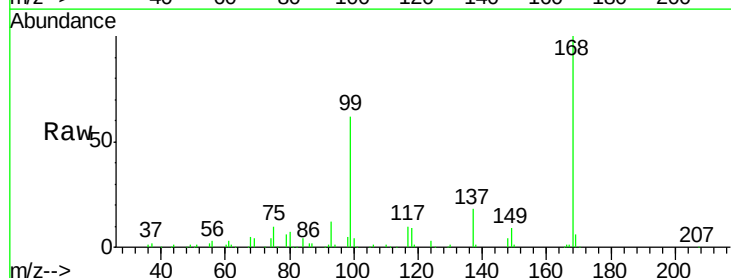
Tgt Ion: 56 Resp: 3316

Ion Ratio Lower Upper

56 100

69 143.2 26.7 40.1#

84 137.1 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

7.80

3000

2000

1000

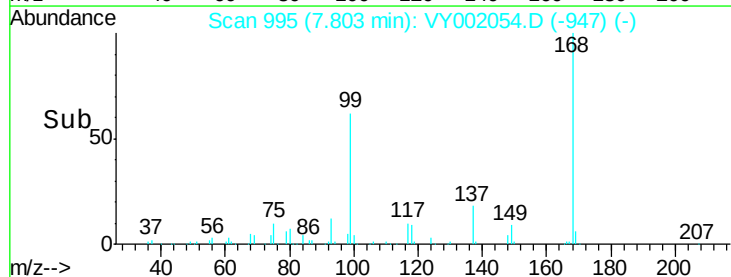
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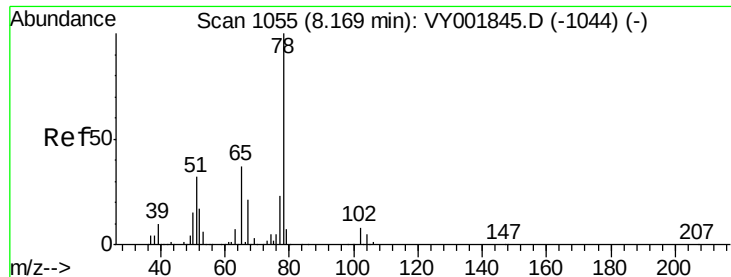
7.75

7.80

7.85

Time-->

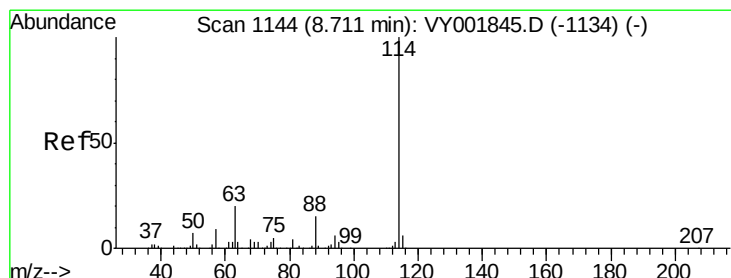
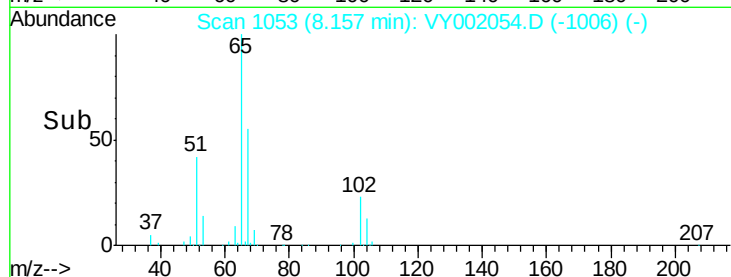
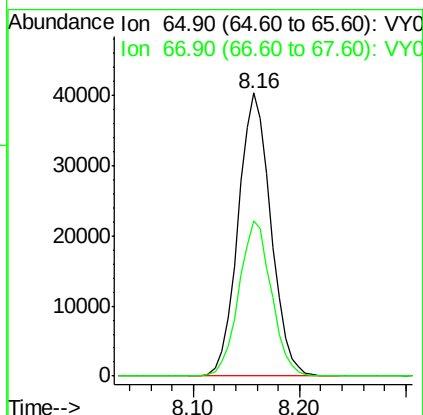
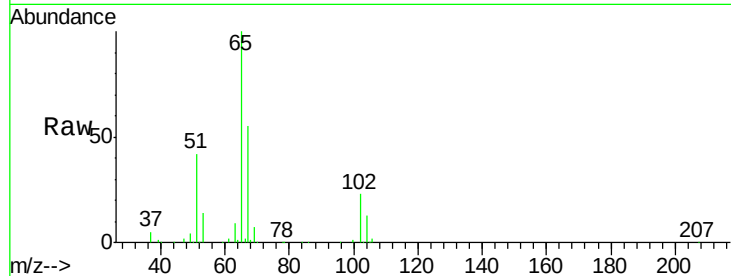




#33
 1,2-Dichloroethane-d4
 Concen: 59.48 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

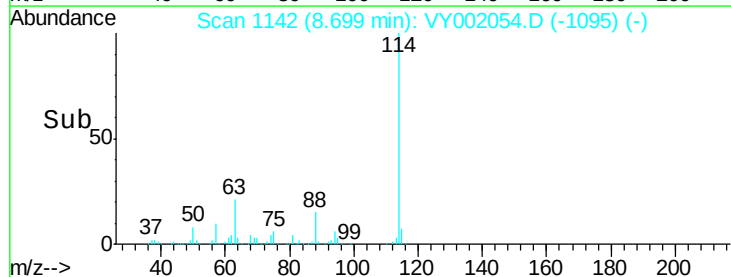
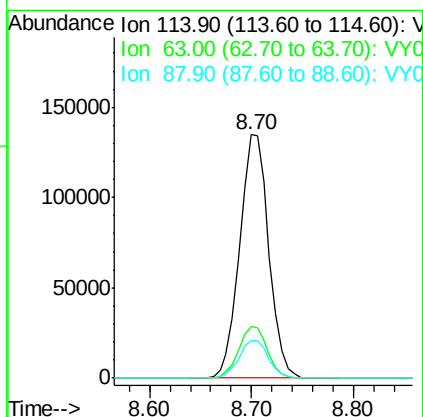
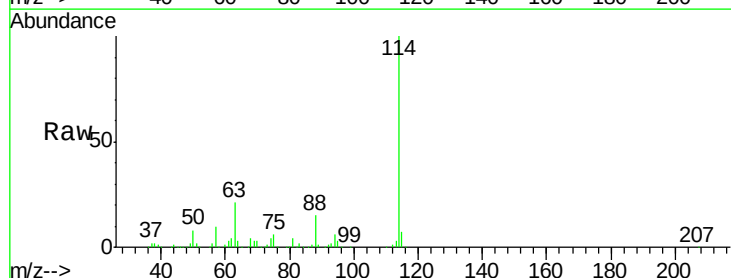
Instrument :
 MSVOA_Y
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 SB-31-(5.5-6)

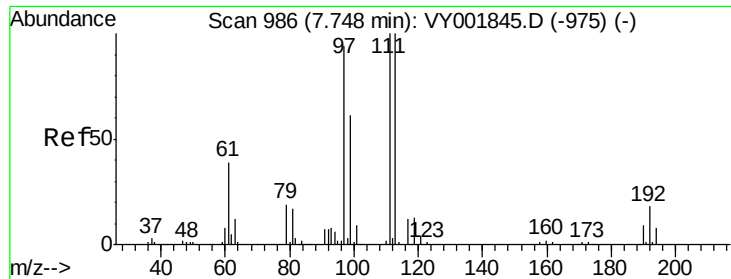
Tgt Ion: 65 Resp: 86794
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

Tgt Ion: 114 Resp: 265685
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.4
 88 15.2 0.0 30.4

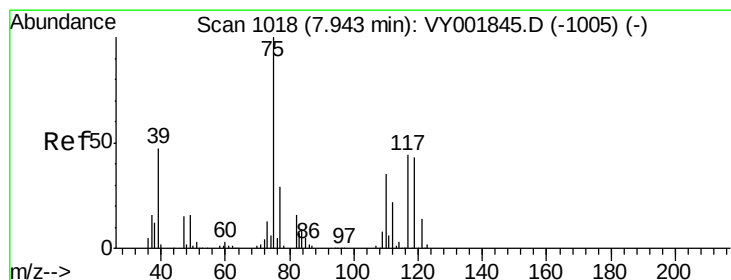
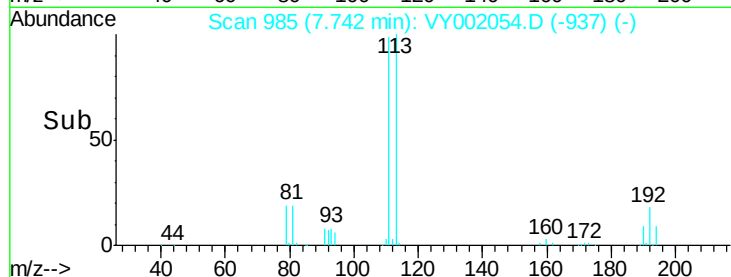
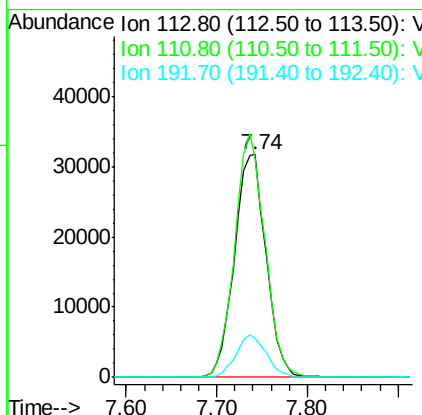
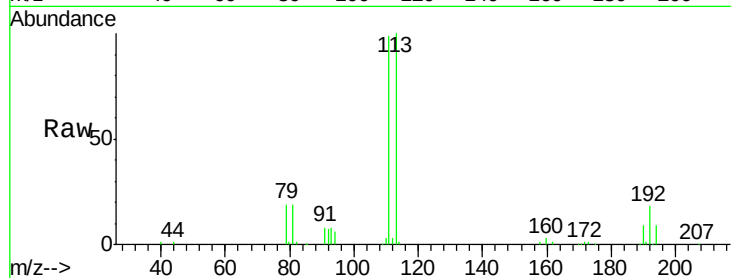




#35
 Dibromofluoromethane
 Concen: 53.07 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

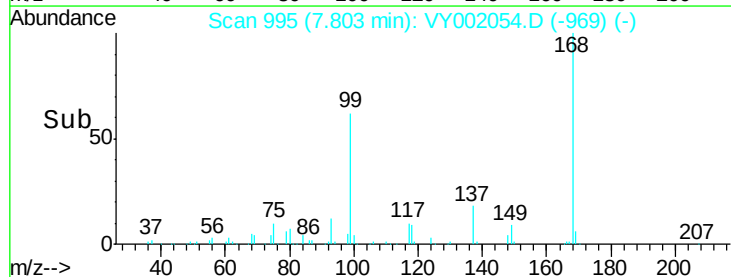
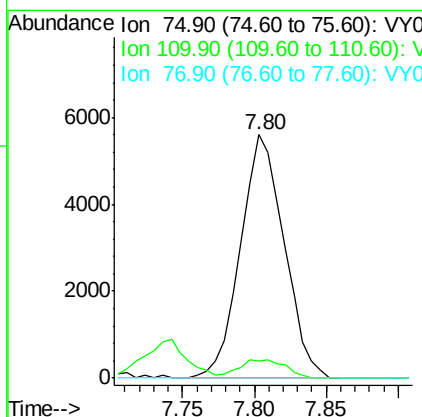
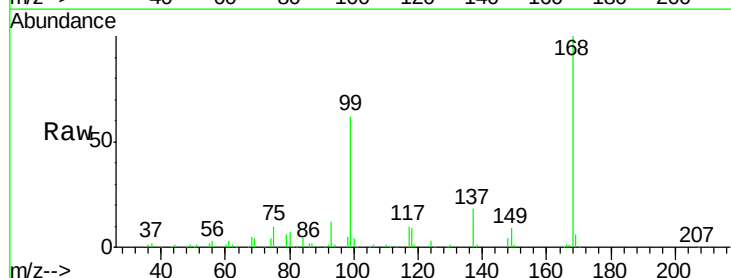
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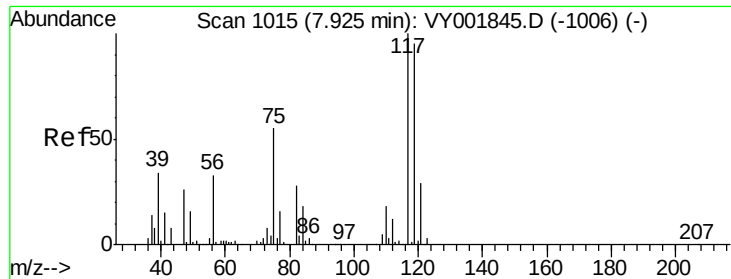
Tgt Ion:113 Resp: 76989
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.8 122.8
 192 18.3 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.60 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

Tgt Ion: 75 Resp: 11758
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.4 52.2#
 77 0.0 24.2 36.2#

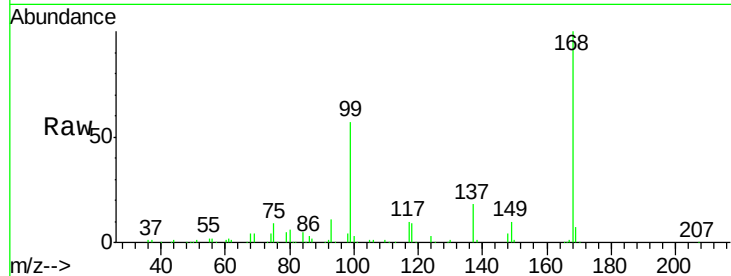




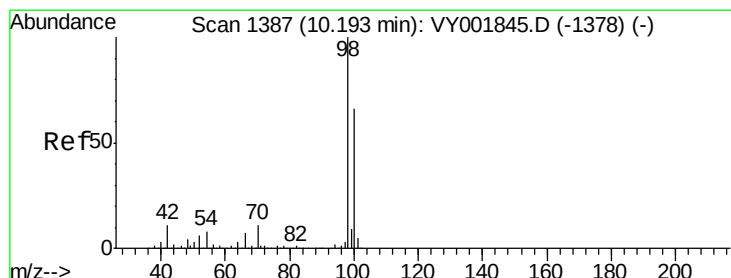
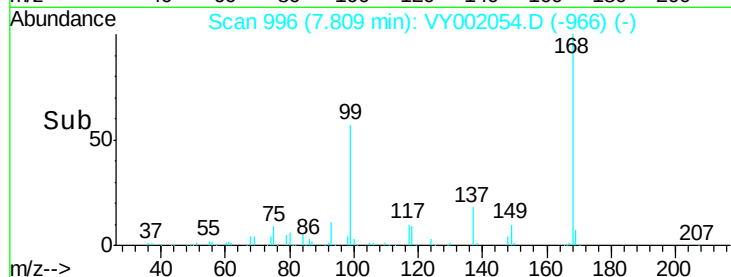
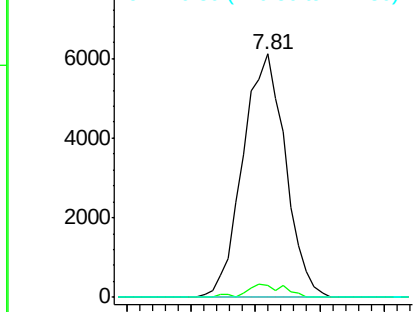
#38
Carbon Tetrachloride
Concen: 6.41 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY002054.D
Acq: 24 Mar 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-31-(5.5-6)

Tgt Ion:117 Resp: 13998
Ion Ratio Lower Upper
117 100
119 4.9 76.3 114.5#
121 0.0 23.5 35.3#

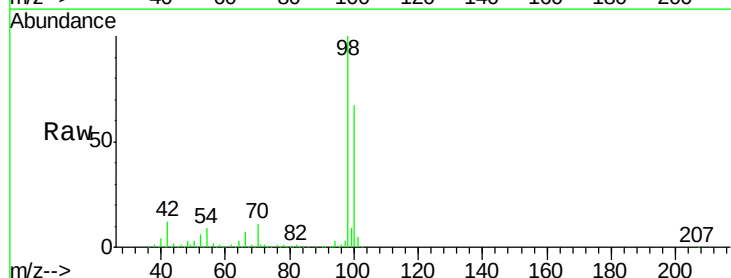


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

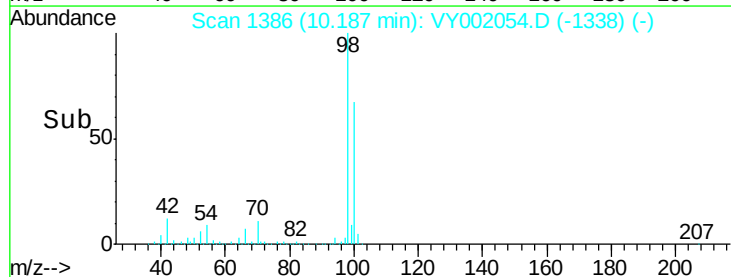
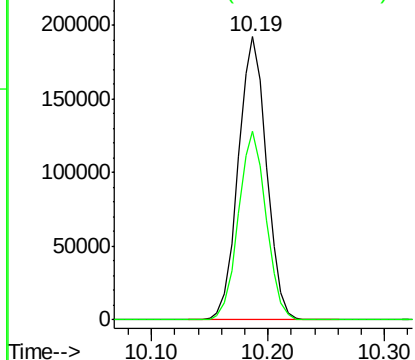


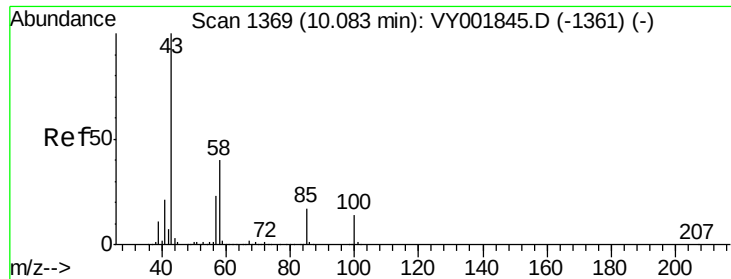
#50
Toluene-d8
Concen: 53.00 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002054.D
Acq: 24 Mar 2020 16:33

Tgt Ion: 98 Resp: 324212
Ion Ratio Lower Upper
98 100
100 65.5 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: 1.03 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002054.D

Acq: 24 Mar 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

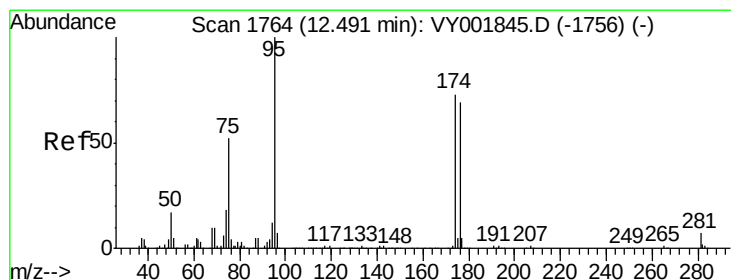
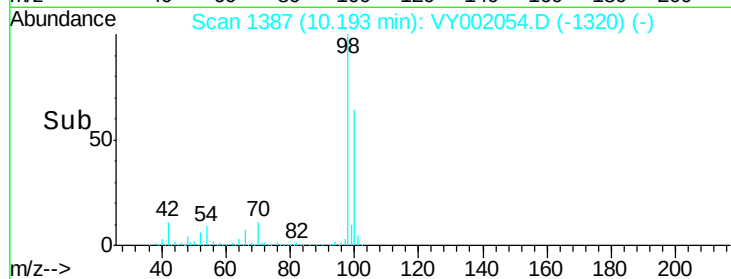
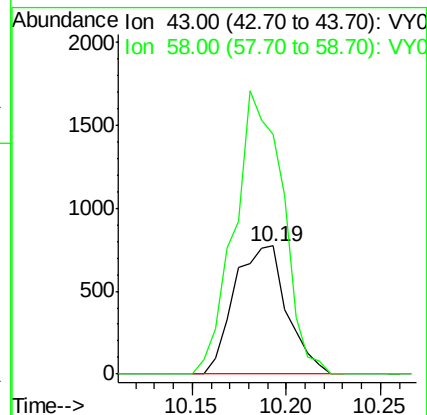
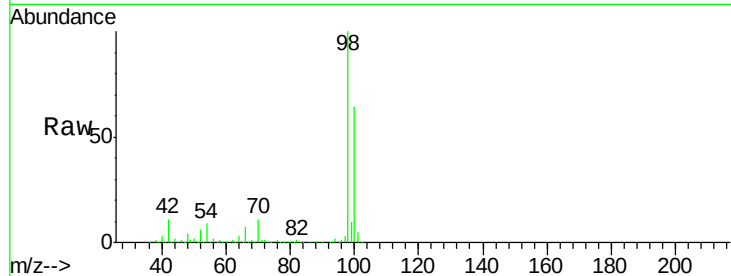
SB-31-(5.5-6)

Tgt Ion: 43 Resp: 1496

Ion Ratio Lower Upper

43 100

58 202.9 32.0 48.0#



#62

4-Bromofluorobenzene

Concen: 52.53 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002054.D

Acq: 24 Mar 2020 16:33

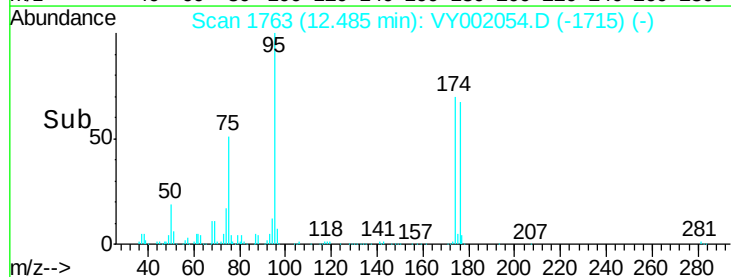
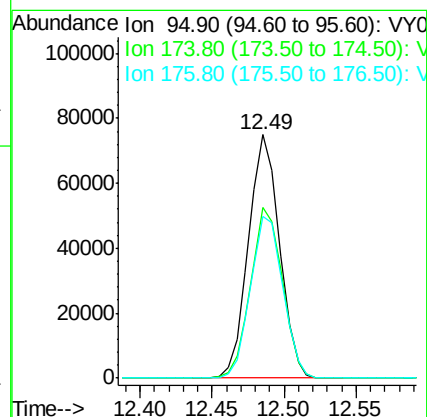
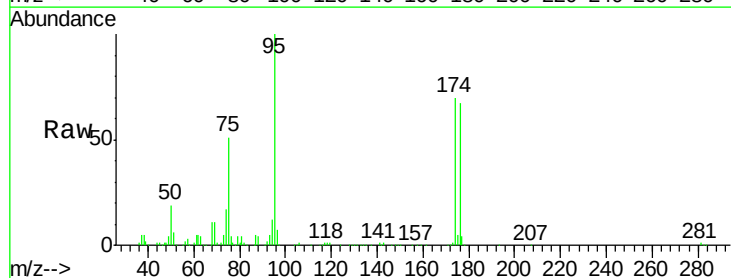
Tgt Ion: 95 Resp: 111747

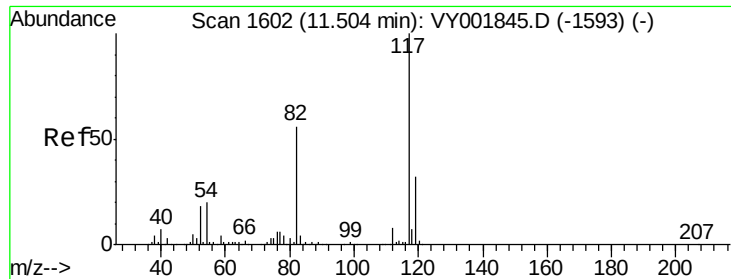
Ion Ratio Lower Upper

95 100

174 71.8 0.0 145.0

176 69.1 0.0 137.4

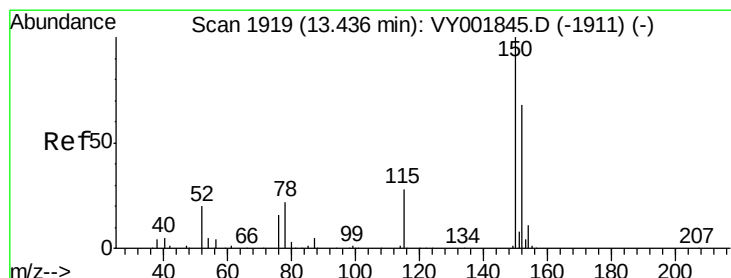
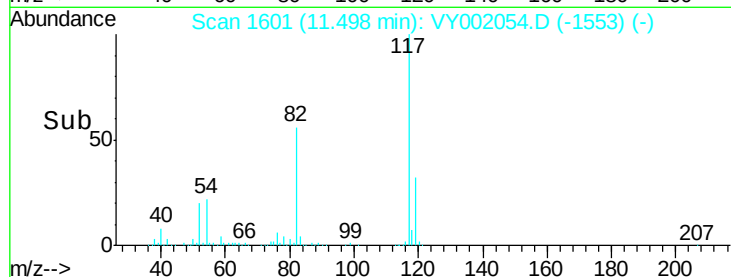
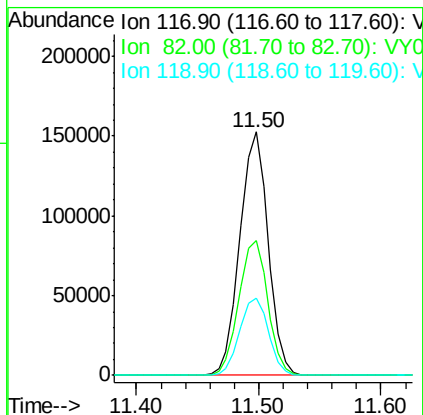
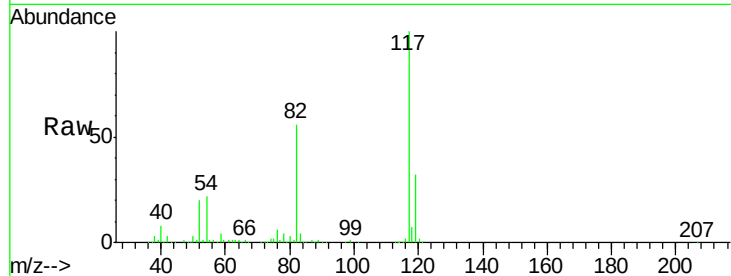




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002054.D
Acq: 24 Mar 2020 16:33

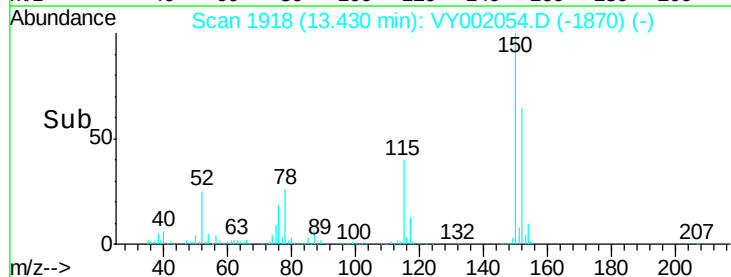
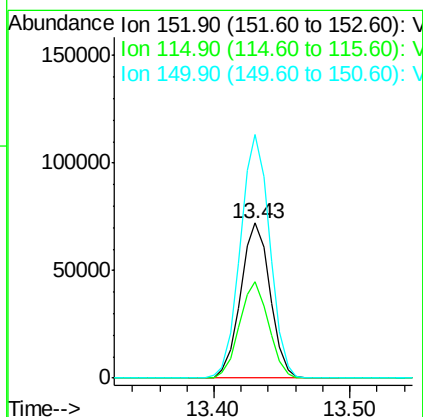
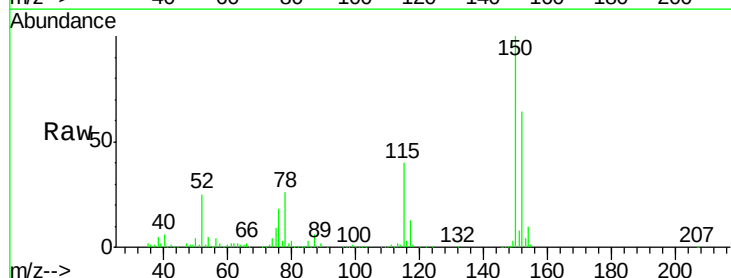
Instrument :
MSVOA_Y
ClientSampleId :
SB-31-(5.5-6)

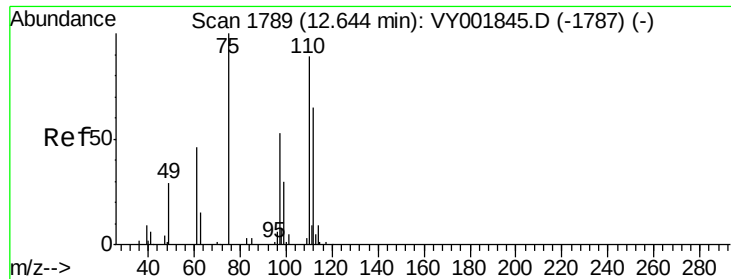
Tgt Ion:117 Resp: 244793
Ion Ratio Lower Upper
117 100
82 55.6 44.5 66.7
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002054.D
Acq: 24 Mar 2020 16:33

Tgt Ion:152 Resp: 109007
Ion Ratio Lower Upper
152 100
115 61.2 29.9 89.7
150 156.8 0.0 340.6

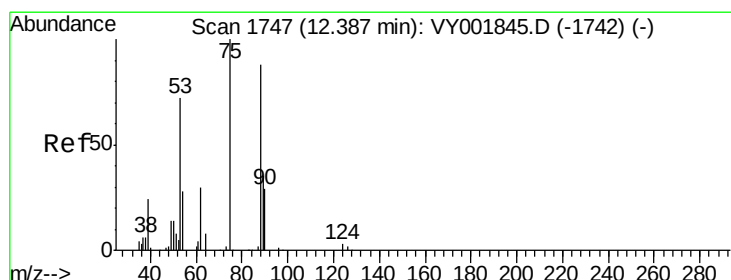
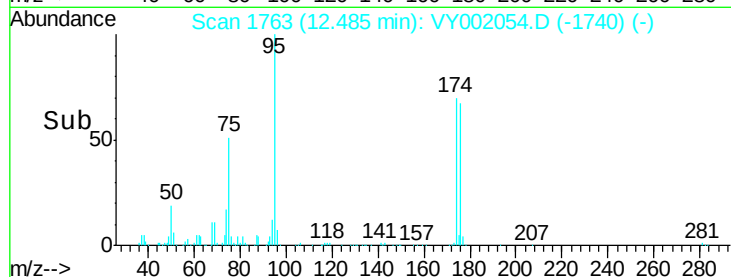
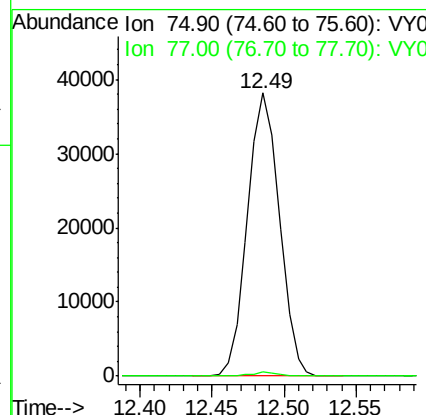
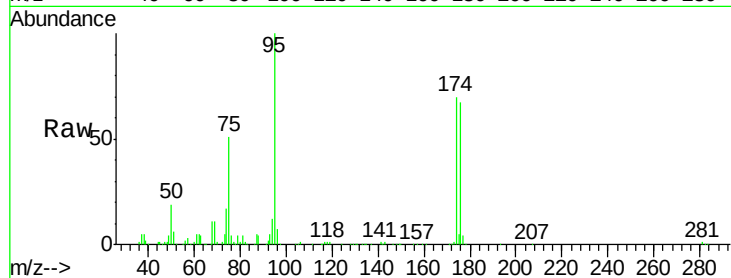




#76
 1,2,3-Trichloropropane
 Concen: 45.46 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-31-(5.5-6)

Tgt Ion: 75 Resp: 58794
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.82 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002054.D
 Acq: 24 Mar 2020 16:33

Tgt Ion: 75 Resp: 58794
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.0 36.0 54.0#

