

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032720\
 Data File : VY002103.D
 Acq On : 27 Mar 2020 14:24
 Operator : SY/MD
 Sample : L2017-03
 Misc : 5.73G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FE-SB-29-(5.5-6)

Quant Time: Mar 30 03:25:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

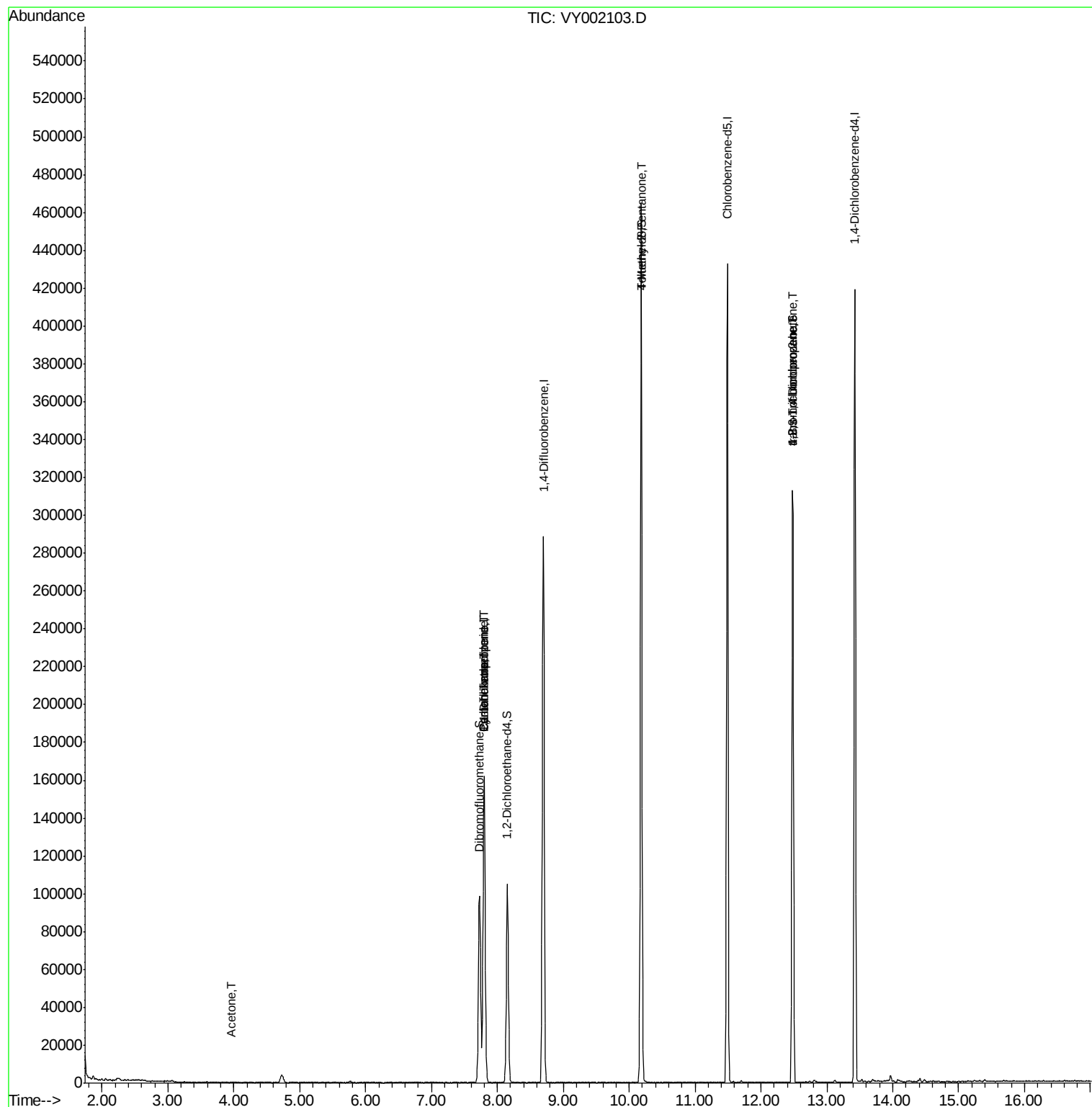
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	122952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	241472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	224701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99186	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	78773	57.96	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.92%	
35) Dibromofluoromethane	7.73	113	71836	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.18	98	295864	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.48	95	100959	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	427	1.118	ug/l #	42
20) Methylene Chloride	4.72	84	3174	Below Cal	#	78
31) Cyclohexane	7.80	56	2948	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10490	4.593	ug/l #	49
38) Carbon Tetrachloride	7.80	117	12291	6.343	ug/l #	18
51) 4-Methyl-2-Pentanone	10.17	43	1430	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	52181	47.032	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	52181	91.117	ug/l #	17

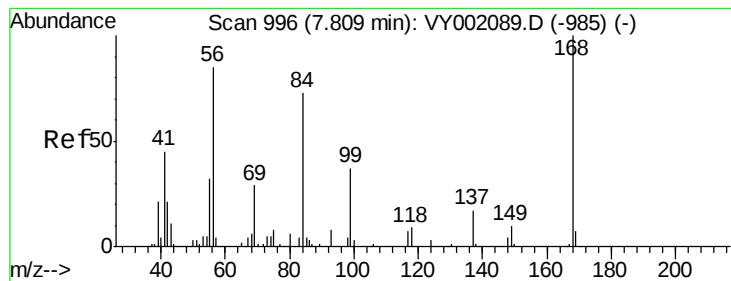
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002103.D

Acq: 27 Mar 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

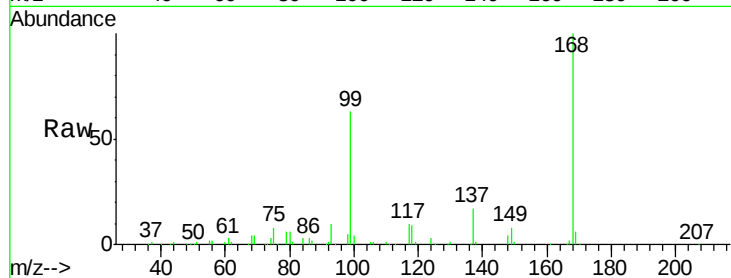
FE-SB-29-(5.5-6)

Tgt Ion:168 Resp: 122952

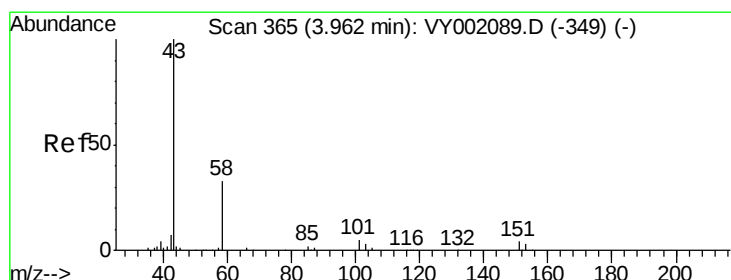
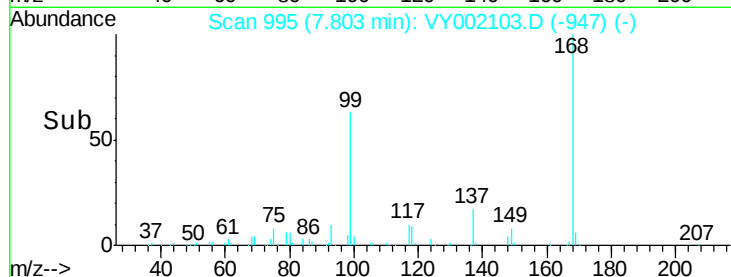
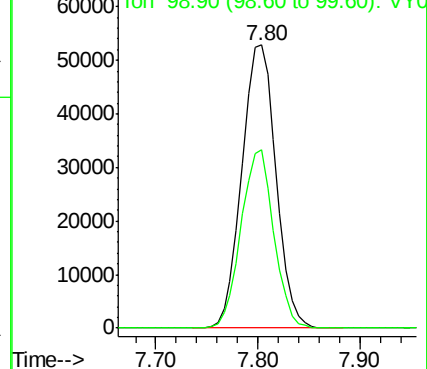
Ion Ratio Lower Upper

168 100

99 63.2 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002103.D (-947) (-)



#16

Acetone

Concen: 1.118 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY002103.D

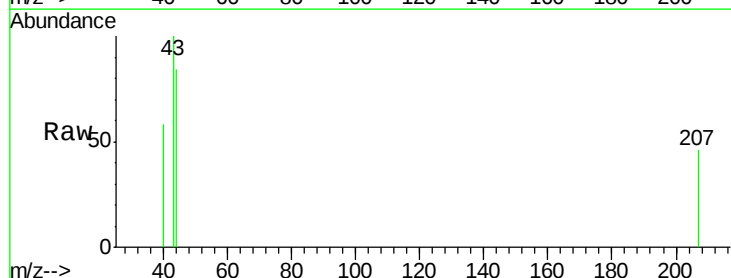
Acq: 27 Mar 2020 14:24

Tgt Ion: 43 Resp: 427

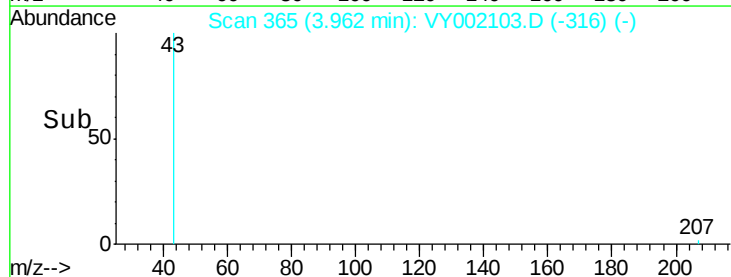
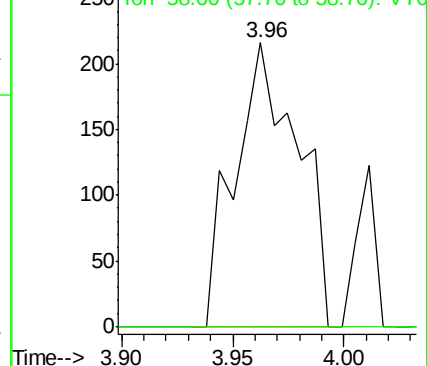
Ion Ratio Lower Upper

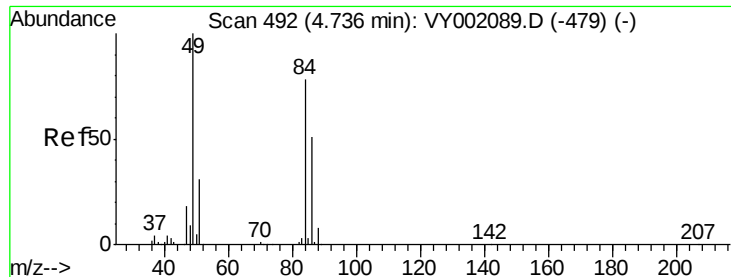
43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002103.D (-316) (-)

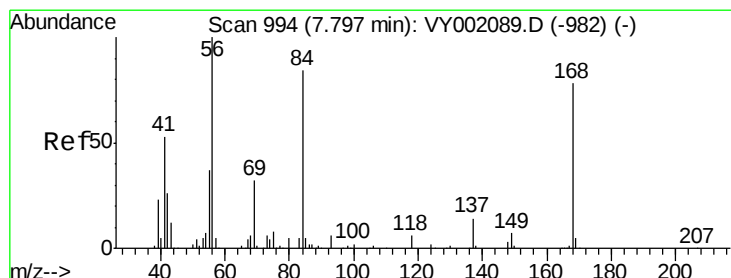
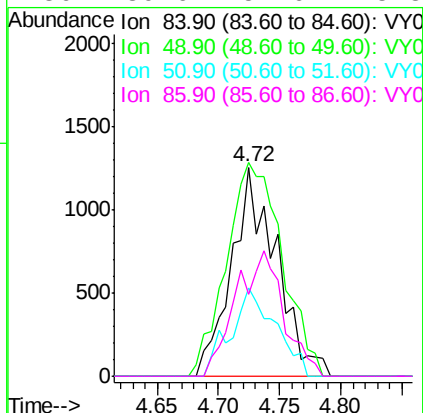
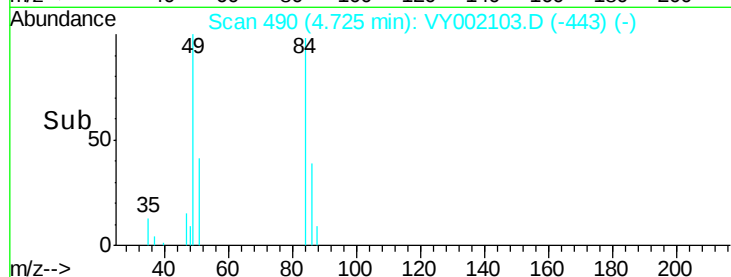
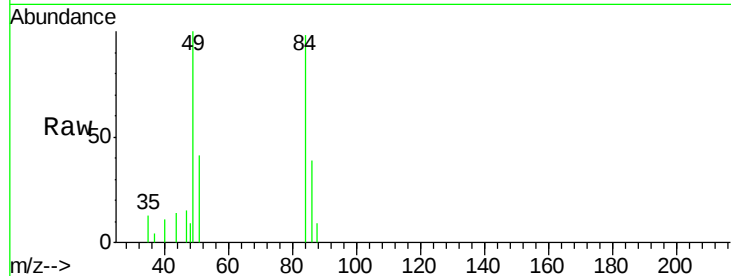




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002103.D
Acq: 27 Mar 2020 14:24

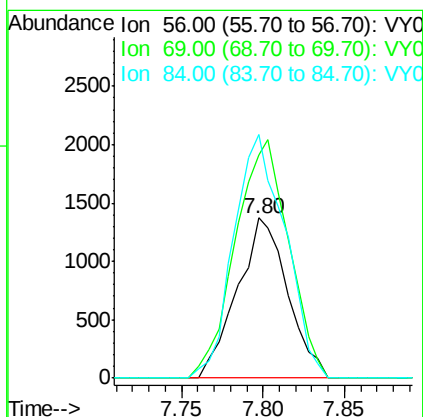
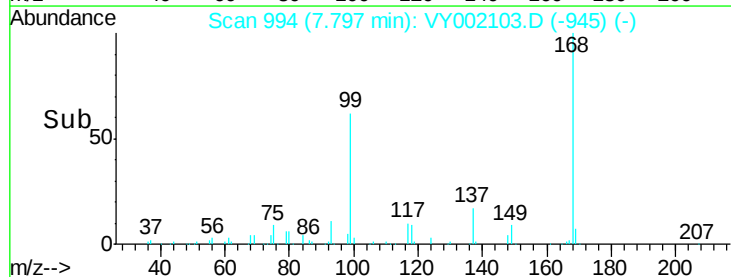
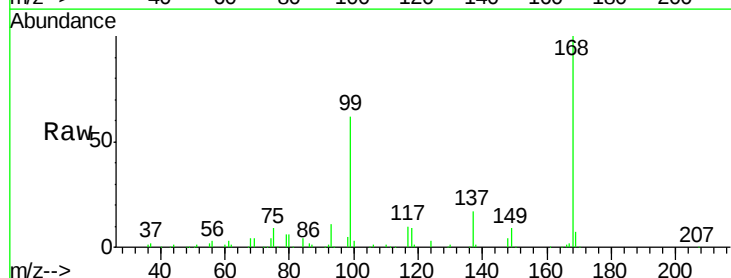
Instrument :
MSVOA_Y
ClientSampleId :
FE-SB-29-(5.5-6)

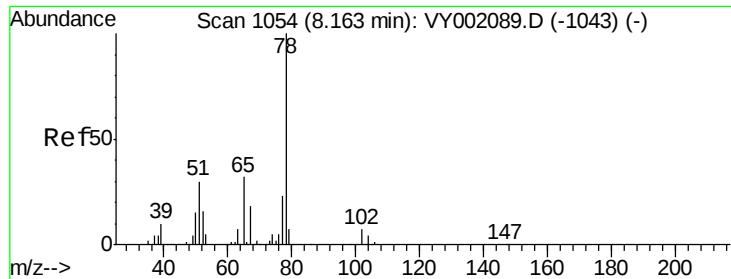
Tgt Ion: 84 Resp: 3174
Ion Ratio Lower Upper
84 100
49 102.2 102.2 153.4#
51 42.3 31.2 46.8
86 39.6 52.6 78.8#



#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002103.D
Acq: 27 Mar 2020 14:24

Tgt Ion: 56 Resp: 2948
Ion Ratio Lower Upper
56 100
69 139.4 25.8 38.8#
84 152.4 67.1 100.7#

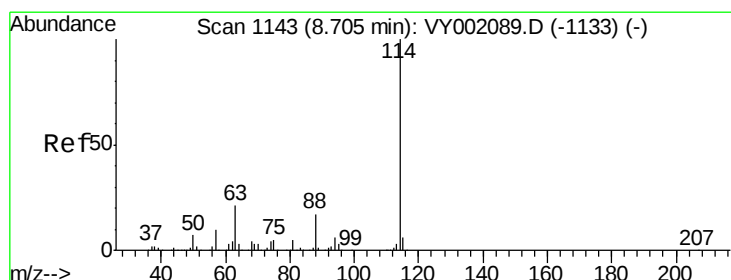
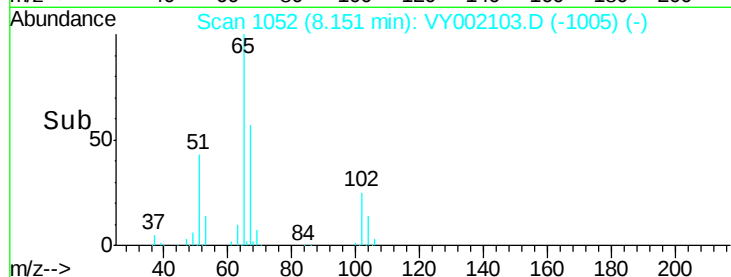
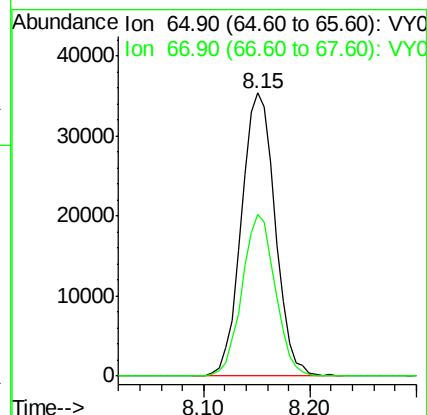
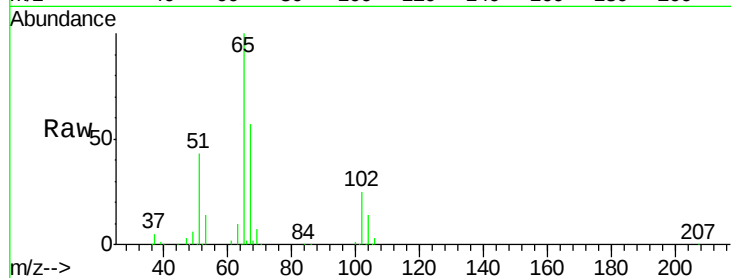




#33
 1,2-Dichloroethane-d4
 Concen: 57.955 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002103.D
 Acq: 27 Mar 2020 14:24

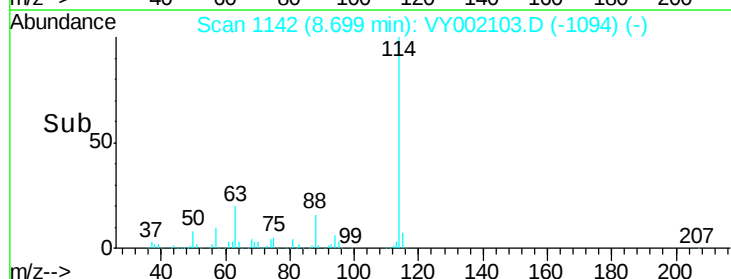
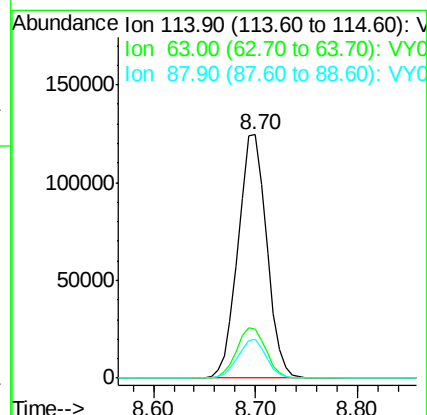
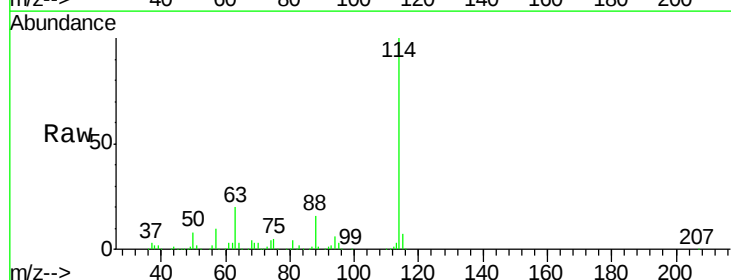
Instrument :
 MSVOA_Y
 ClientSampleId :
 FE-SB-29-(5.5-6)

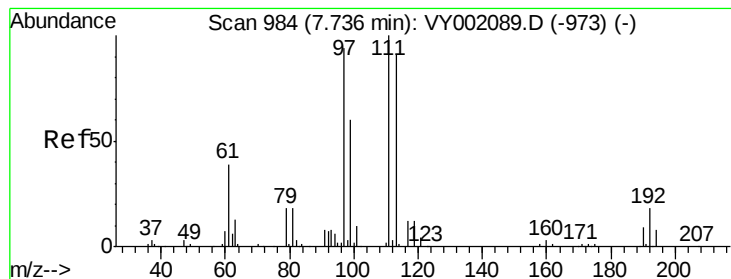
Tgt Ion: 65 Resp: 78773
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002103.D
 Acq: 27 Mar 2020 14:24

Tgt Ion: 114 Resp: 241472
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.094 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002103.D

Acq: 27 Mar 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

FE-SB-29-(5.5-6)

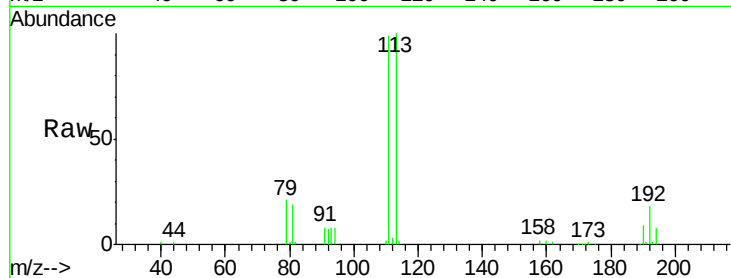
Tgt Ion:113 Resp: 71836

Ion Ratio Lower Upper

113 100

111 101.9 84.4 126.6

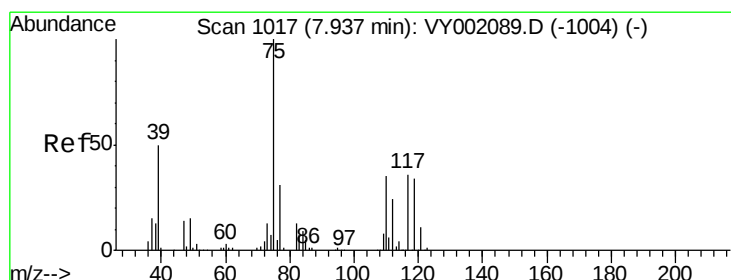
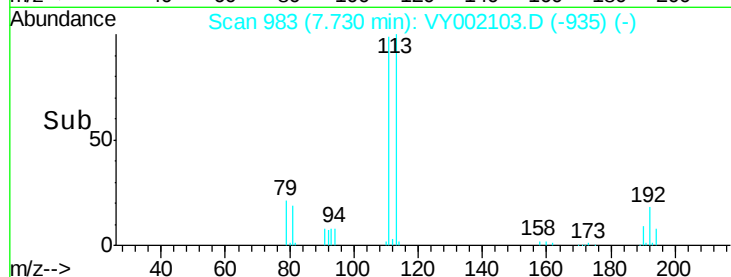
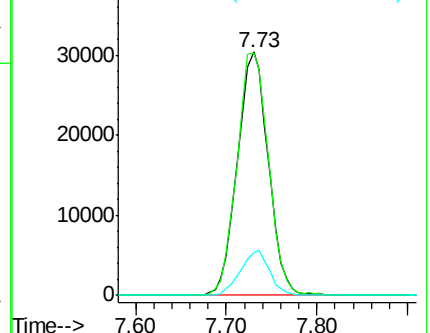
192 17.4 14.6 21.8



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: 4.593 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002103.D

Acq: 27 Mar 2020 14:24

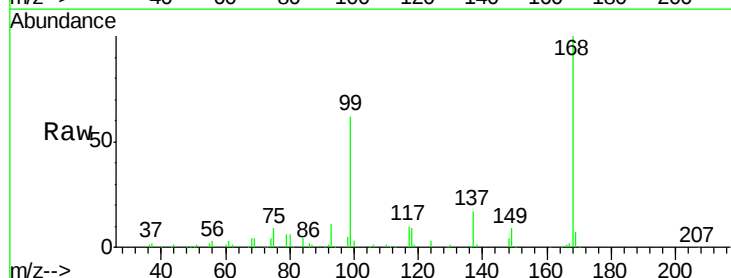
Tgt Ion: 75 Resp: 10490

Ion Ratio Lower Upper

75 100

110 8.3 17.2 51.6#

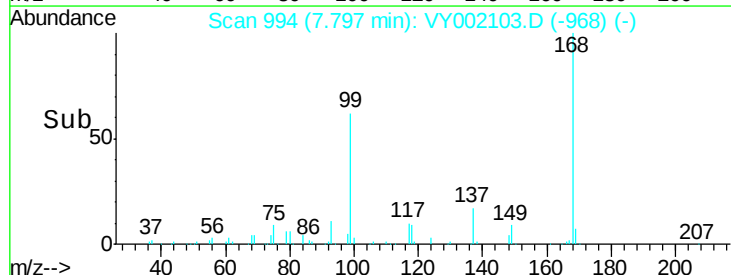
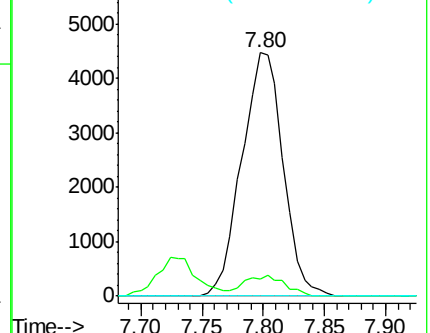
77 0.0 24.7 37.1#

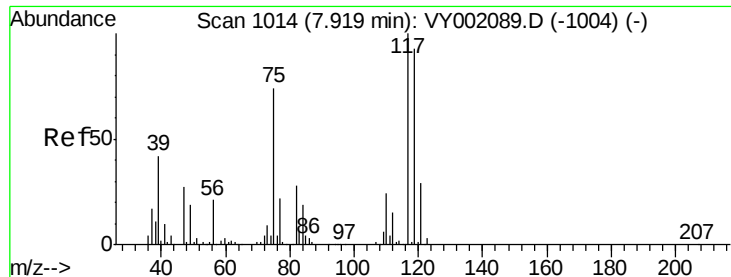


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

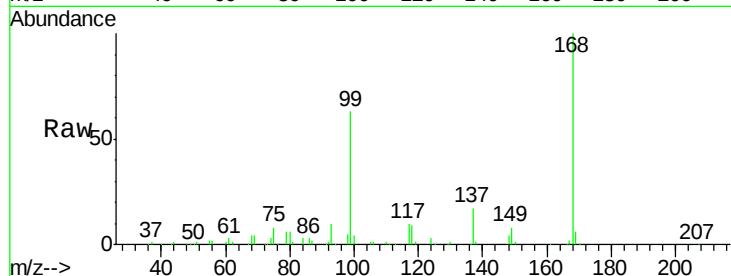




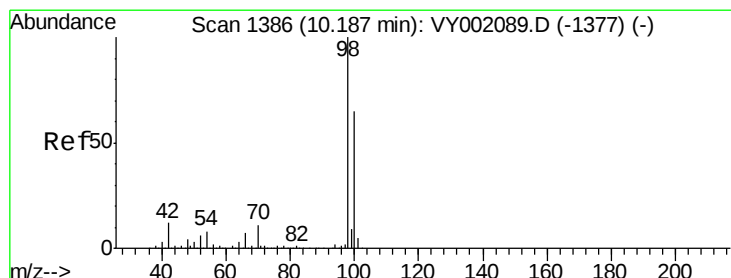
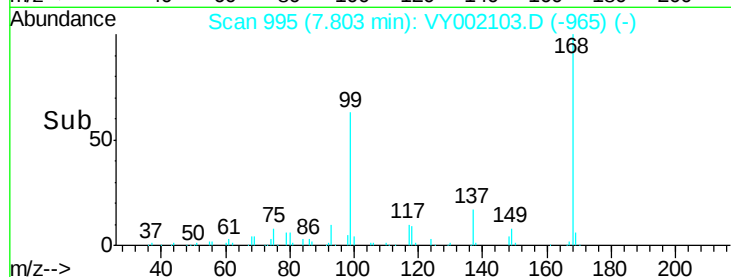
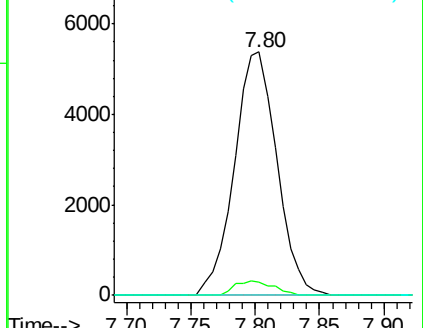
#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY002103.D
Acq: 27 Mar 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
FE-SB-29-(5.5-6)

Tgt Ion:117 Resp: 12291
Ion Ratio Lower Upper
117 100
119 5.4 74.3 111.5#
121 0.0 23.3 34.9#

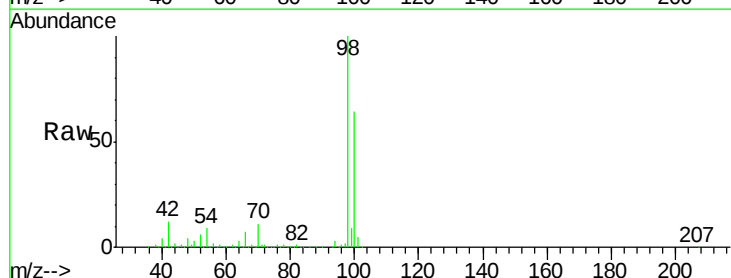


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

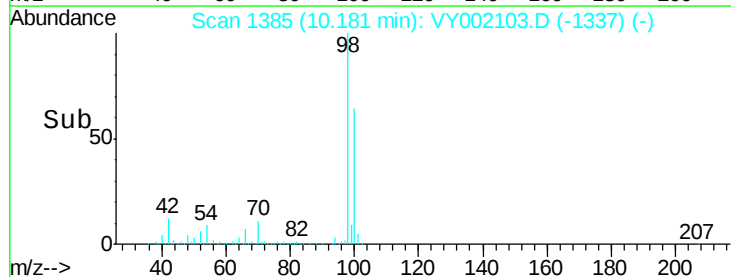
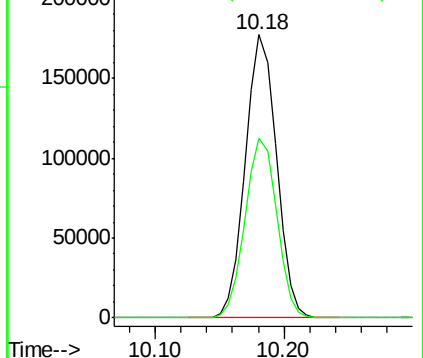


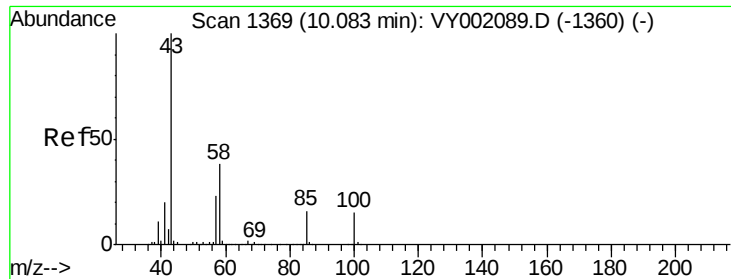
#50
Toluene-d8
Concen: 52.638 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002103.D
Acq: 27 Mar 2020 14:24

Tgt Ion: 98 Resp: 295864
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



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

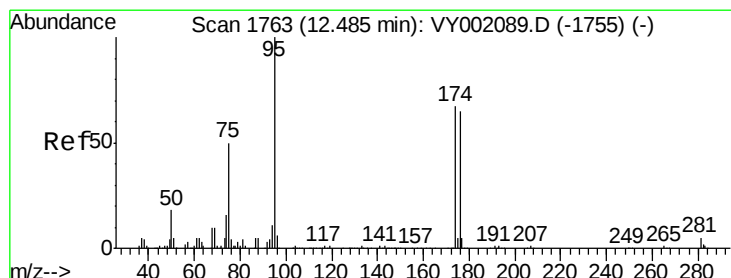
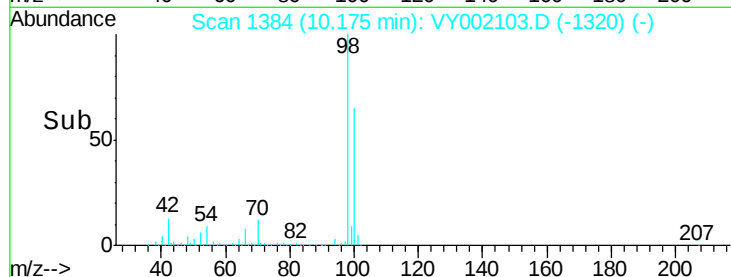
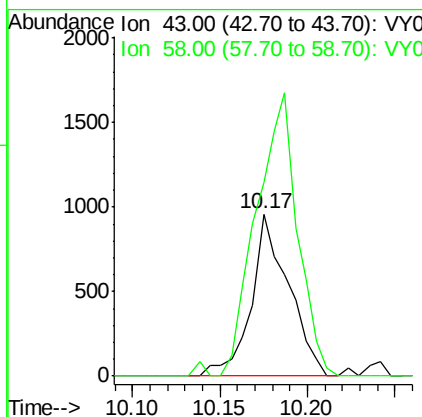
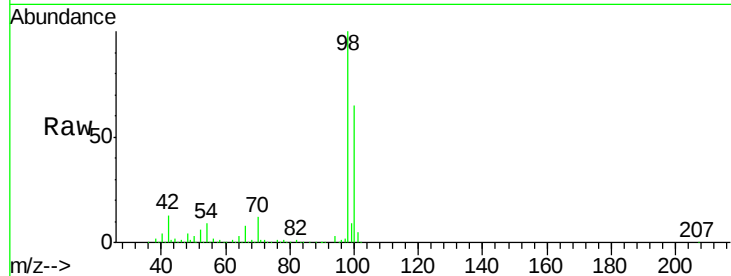




#51
 4-Methyl-2-Pentanone
 Concen: 1.084 ug/l
 RT: 10.17 min Scan# 1384
 Delta R.T. 0.09 min
 Lab File: VY002103.D
 Acq: 27 Mar 2020 14:24

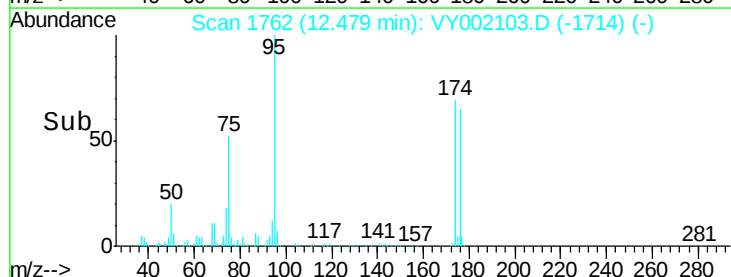
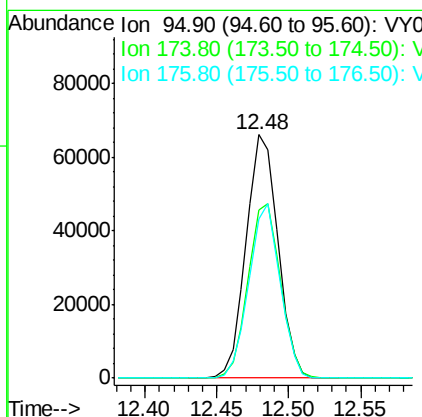
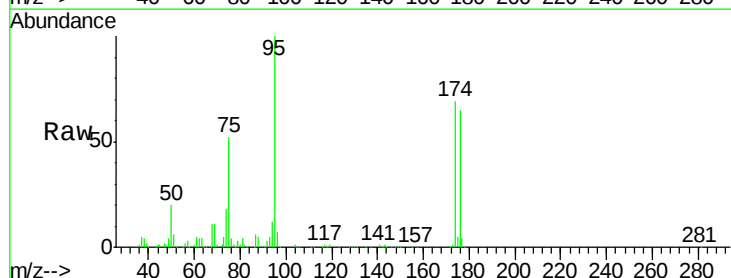
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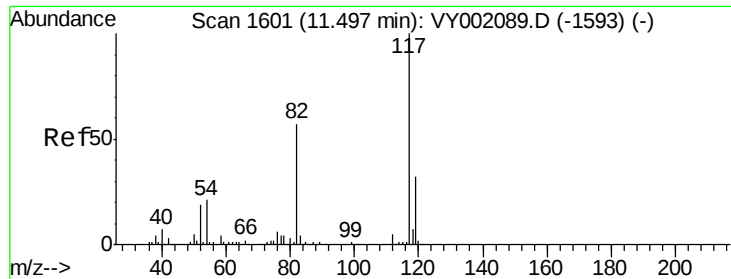
Tgt Ion: 43 Resp: 1430
 Ion Ratio Lower Upper
 43 100
 58 192.6 31.6 47.4#



#62
 4-Bromofluorobenzene
 Concen: 51.359 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002103.D
 Acq: 27 Mar 2020 14:24

Tgt Ion: 95 Resp: 100959
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 143.4
 176 70.0 0.0 137.0

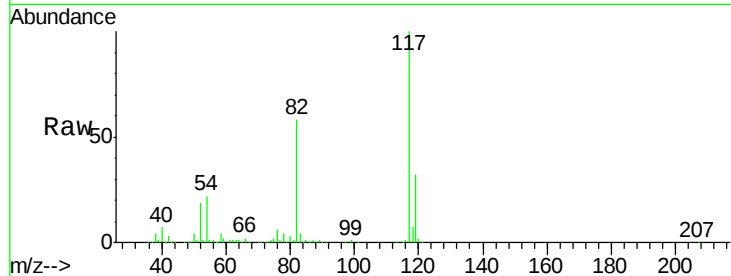




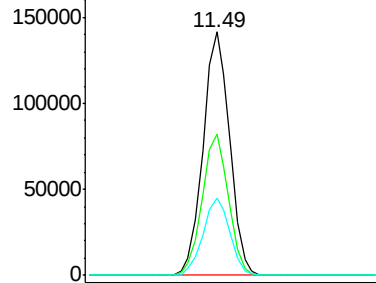
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002103.D
Acq: 27 Mar 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
FE-SB-29-(5.5-6)

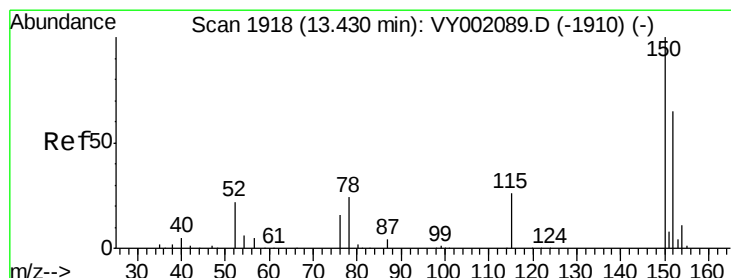
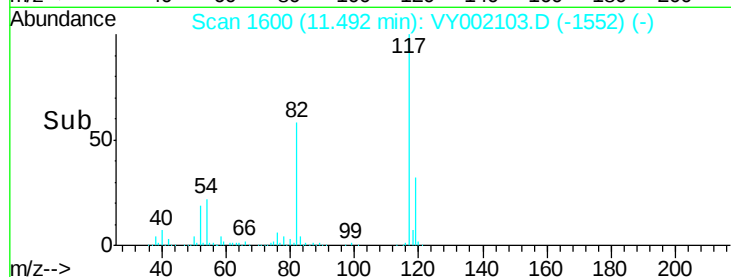
Tgt Ion:117 Resp: 224701
Ion Ratio Lower Upper
117 100
82 57.9 45.4 68.2
119 31.9 25.3 37.9



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

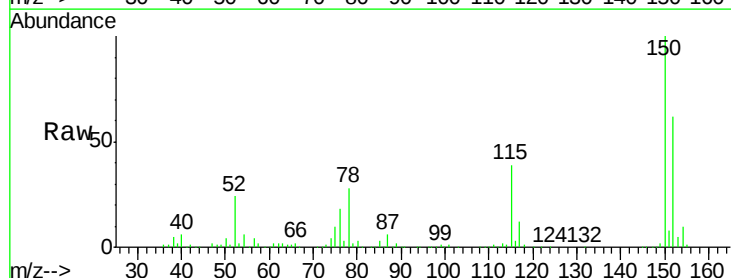


Time-->

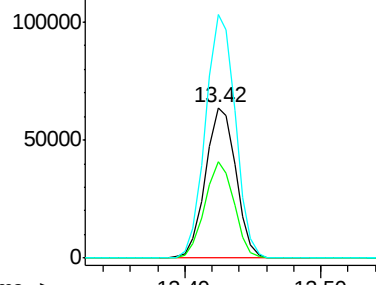


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002103.D
Acq: 27 Mar 2020 14:24

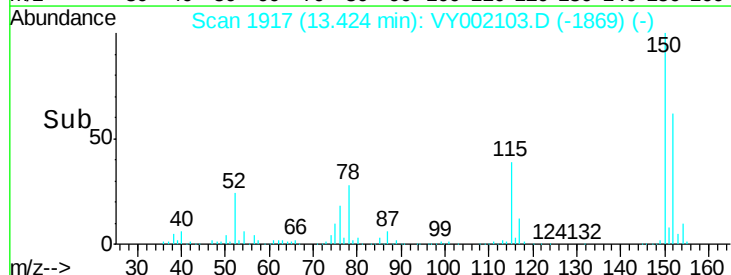
Tgt Ion:152 Resp: 99186
Ion Ratio Lower Upper
152 100
115 61.6 31.2 93.6
150 159.4 0.0 354.8

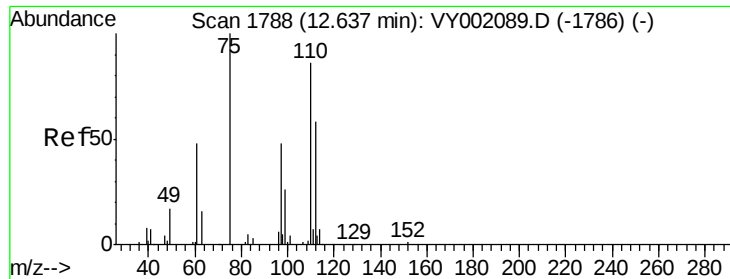


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->

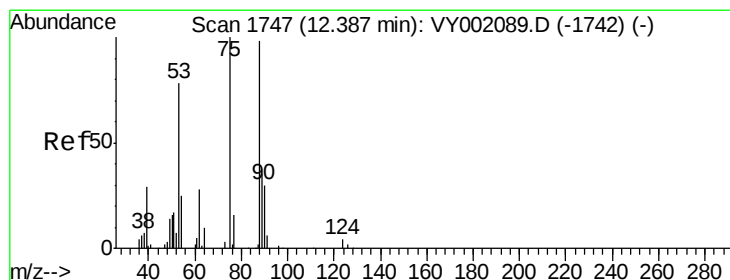
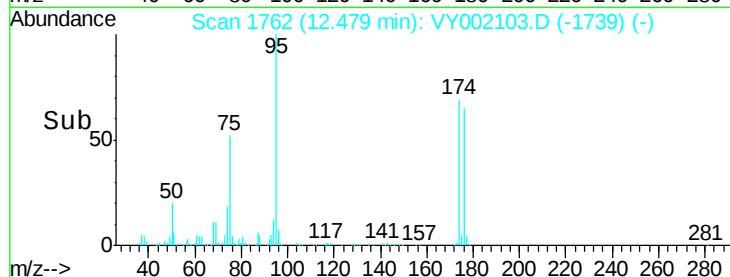
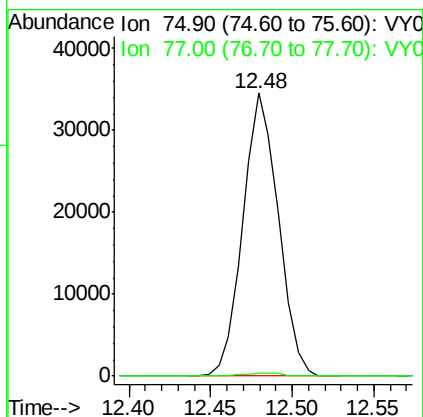
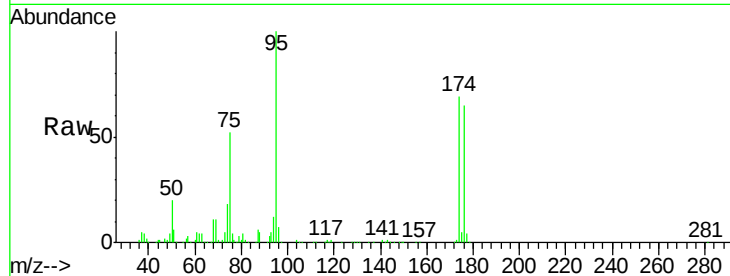




#76
 1,2,3-Trichloropropane
 Concen: 47.032 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY002103.D
 Acq: 27 Mar 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 FE-SB-29-(5.5-6)

Tgt Ion: 75 Resp: 52181
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.117 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.09 min
 Lab File: VY002103.D
 Acq: 27 Mar 2020 14:24

Tgt Ion: 75 Resp: 52181
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.0 97.4#
 89 0.0 33.4 50.0#

