

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001434.D
 Acq On : 30 Jan 2020 16:44
 Operator : SY/MD
 Sample : L1319-14
 Misc : 4.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 03:23:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	41498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	69972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	53821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	20452	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	18384	40.71	ug/l	0.00
Spiked Amount			Recovery	=	81.42%	
35) Dibromofluoromethane	7.75	113	18847	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
50) Toluene-d8	10.19	98	82439	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.49	95	23781	37.43	ug/l	0.00
Spiked Amount			Recovery	=	74.86%	

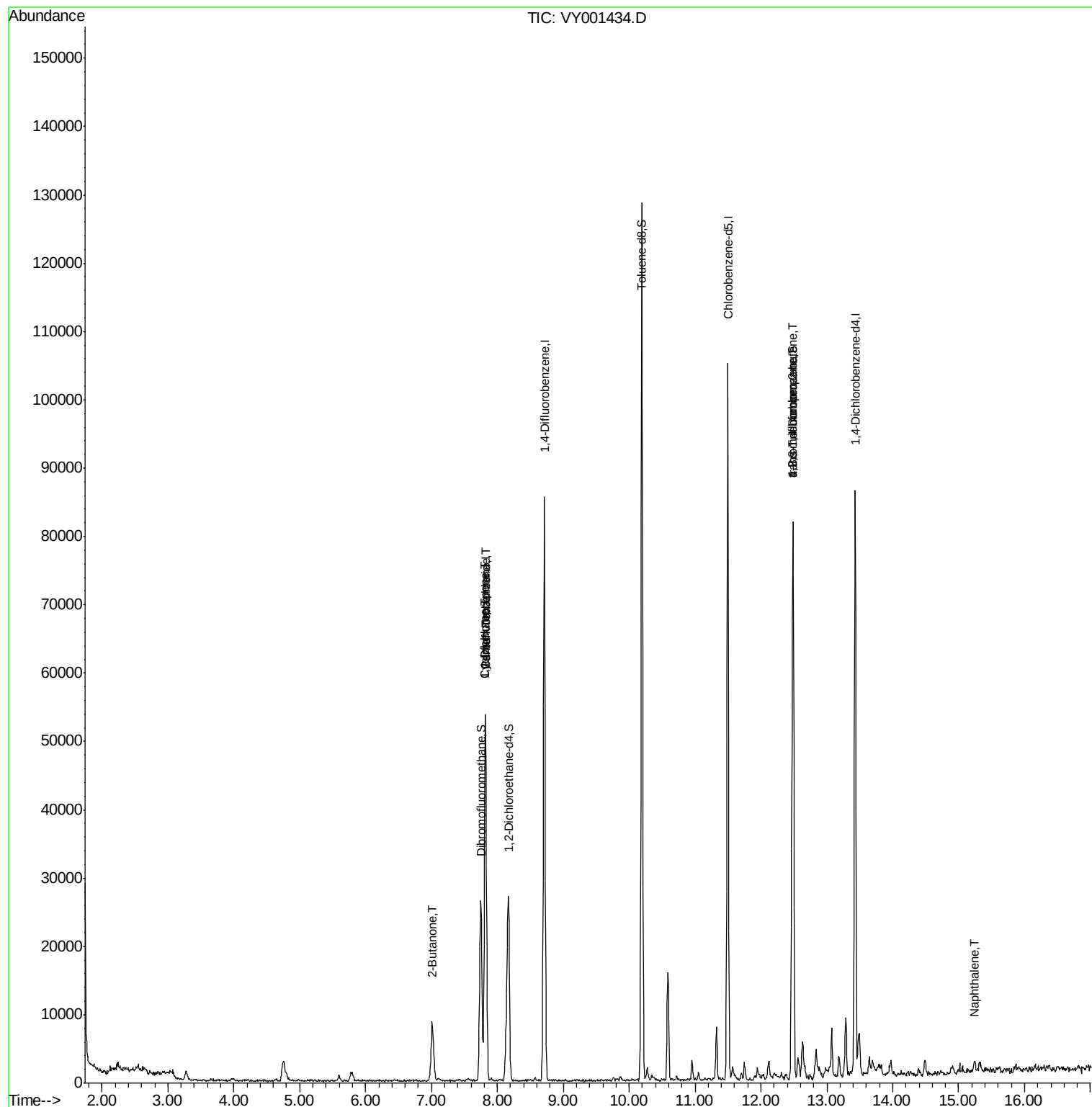
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	244	Below Cal	#	74
16) Acetone	3.99	43	240	Below Cal	#	43
20) Methylene Chloride	4.75	84	2167	Below Cal	#	88
25) 2-Butanone	7.01	43	536	2.727	ug/l #	49
31) Cyclohexane	7.81	56	962	1.102	ug/l #	25
36) 1,1-Dichloropropene	7.81	75	3217	4.866	ug/l #	44
38) Carbon Tetrachloride	7.82	117	4271	7.249	ug/l #	12
76) 1,2,3-Trichloropropane	12.49	75	11861	48.128	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	11861	91.077	ug/l #	16
95) Naphthalene	15.24	128	1336	1.371	ug/l	96

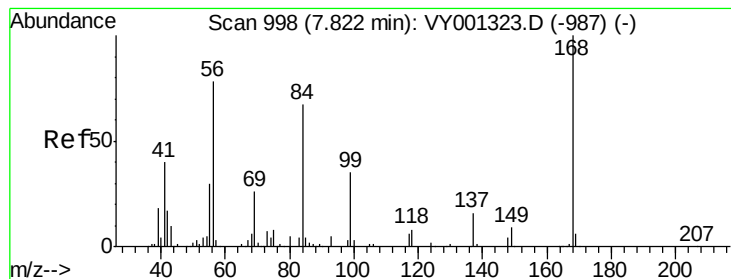
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001434.D

Acq: 30 Jan 2020 16:44

Instrument :

MSVOA_Y

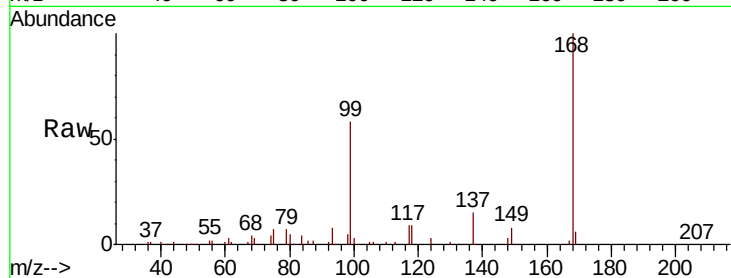
ClientSampled :

Tot Ion:168 Resp: 41498

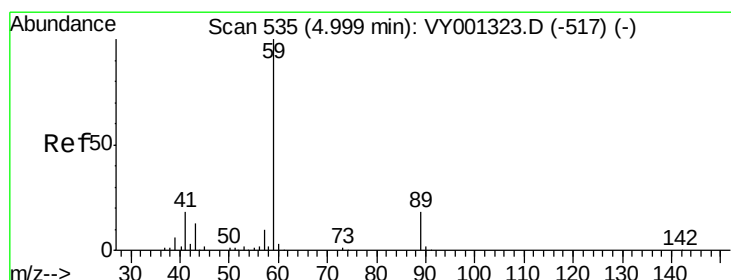
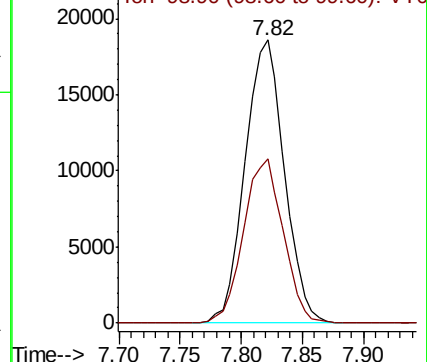
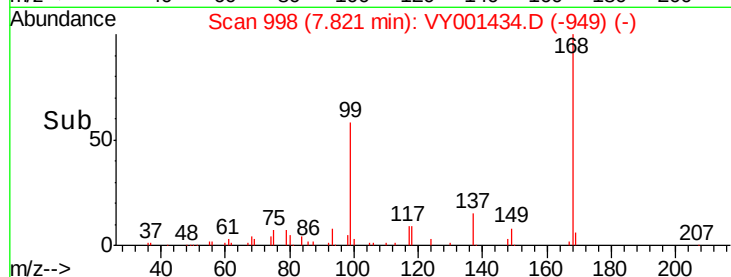
Ion Ratio Lower Upper

168 100

99 57.9 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001434.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.02 min

Lab File: VY001434.D

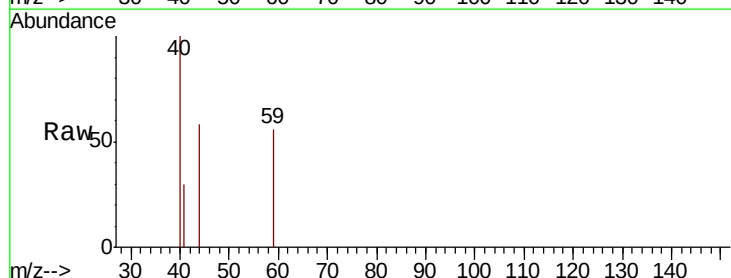
Acq: 30 Jan 2020 16:44

Tgt Ion: 59 Resp: 244

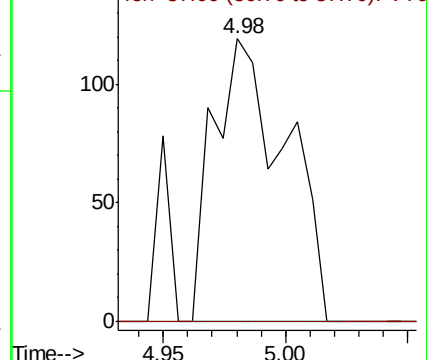
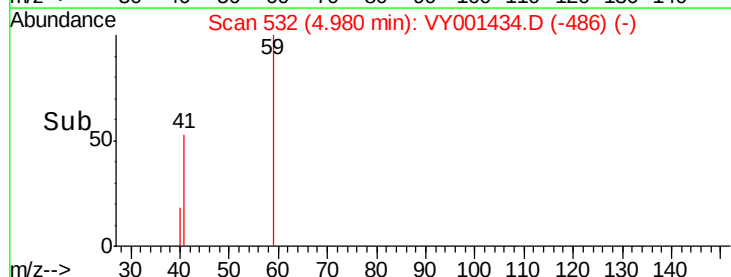
Ion Ratio Lower Upper

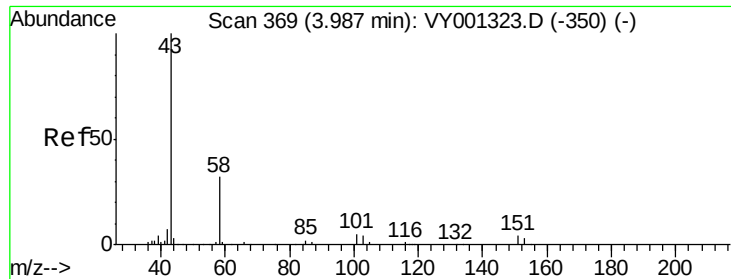
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001434.D (-486) (-)





#16

Acetone

Concen: Below Cal

RT: 3.99 min Scan# 370

Delta R.T. 0.01 min

Lab File: VY001434.D

Acq: 30 Jan 2020 16:44

Instrument :

MSVOA_Y

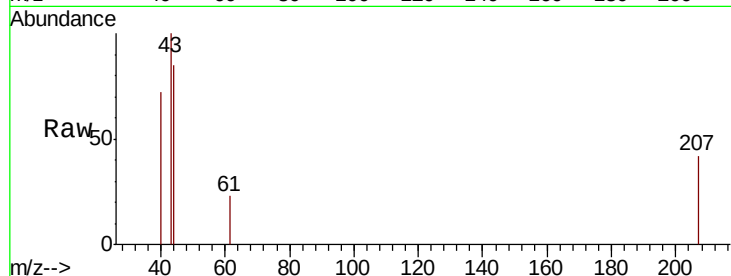
ClientSampled :

Tot Ion: 43 Resp: 240

Ion Ratio Lower Upper

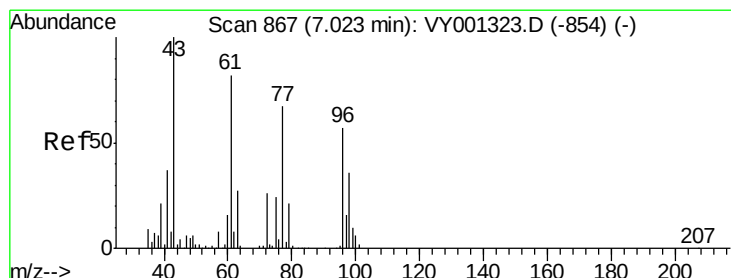
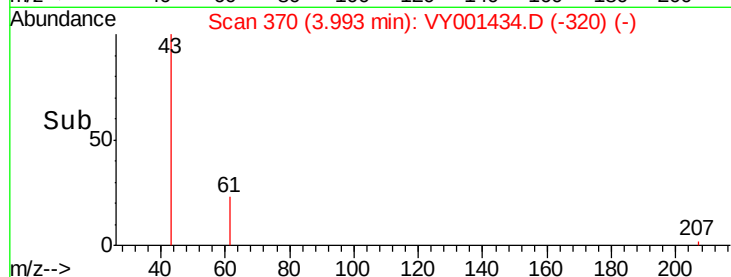
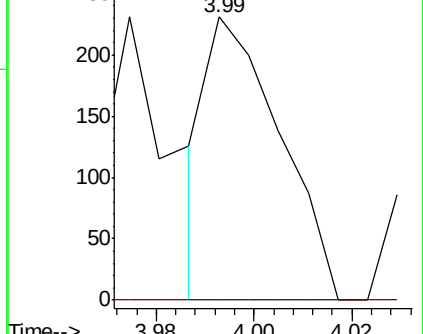
43 100

58 0.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 2.727 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001434.D

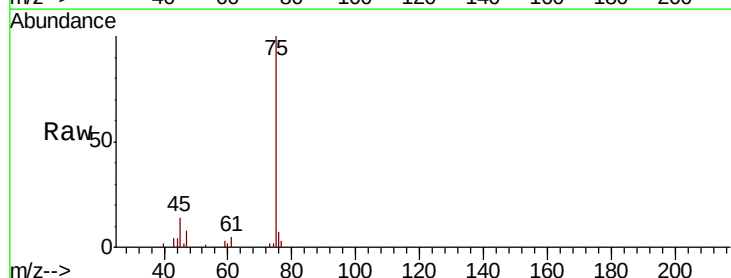
Acq: 30 Jan 2020 16:44

Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

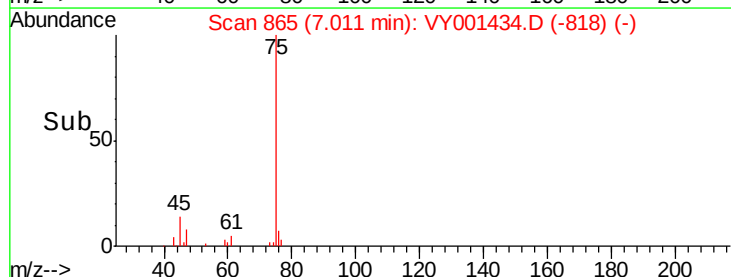
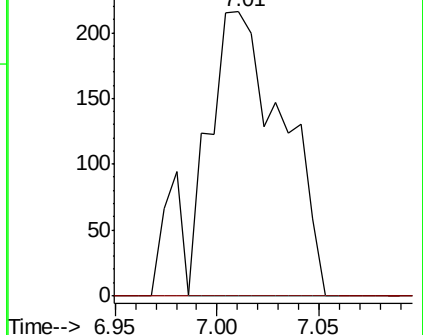
43 100

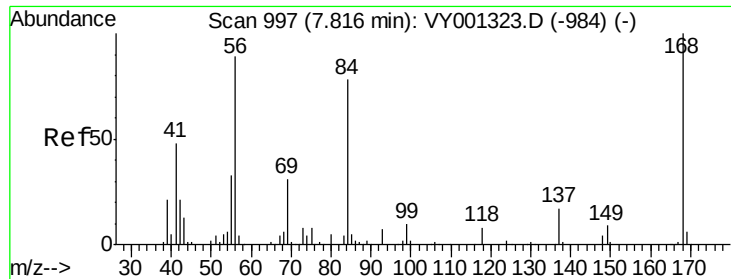
72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

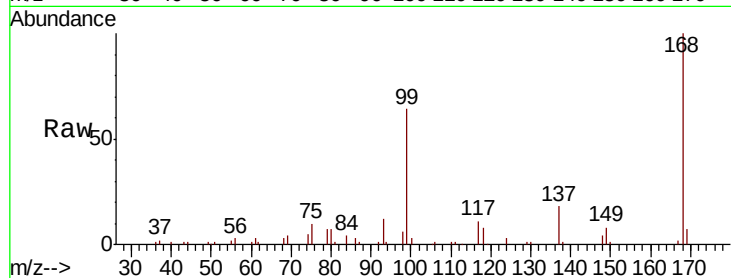




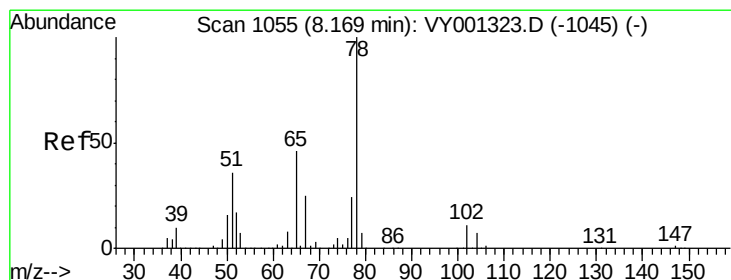
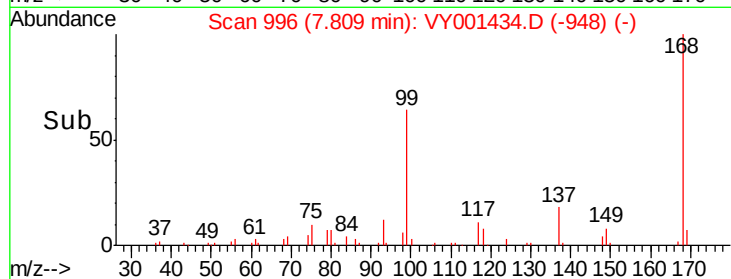
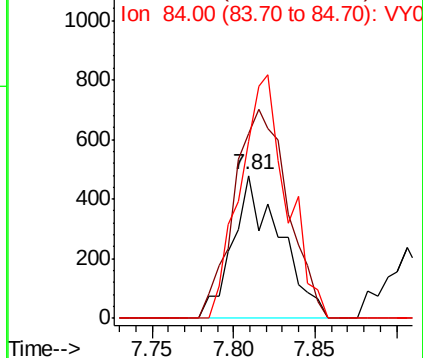
#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.01 min
Lab File: VY001434.D
Acq: 30 Jan 2020 16:44

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 962
Ion Ratio Lower Upper
56 100
69 128.8 27.6 41.4#
84 124.0 69.7 104.5#

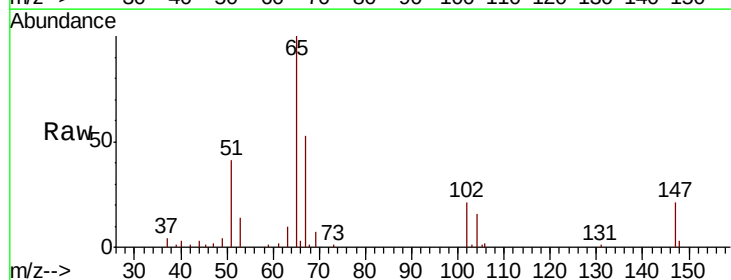


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

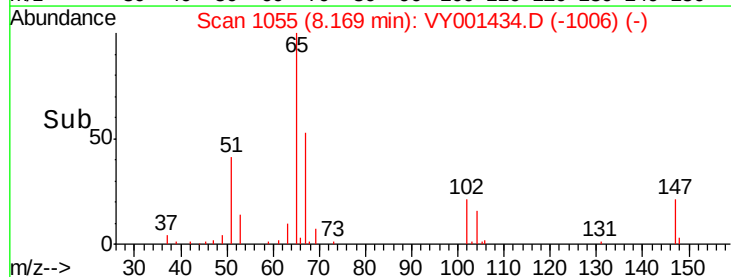
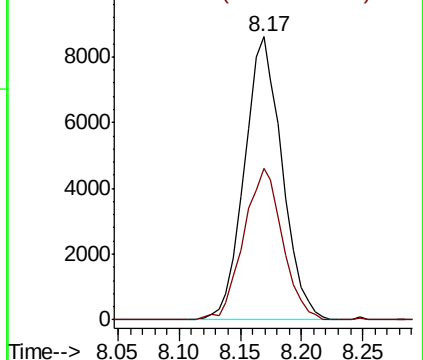


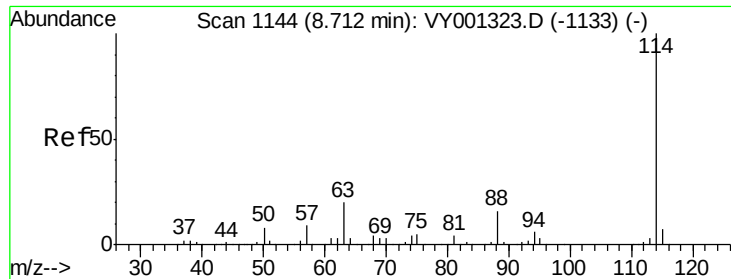
#33
1,2-Dichloroethane-d4
Concen: 40.713 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001434.D
Acq: 30 Jan 2020 16:44

Tgt Ion: 65 Resp: 18384
Ion Ratio Lower Upper
65 100
67 55.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

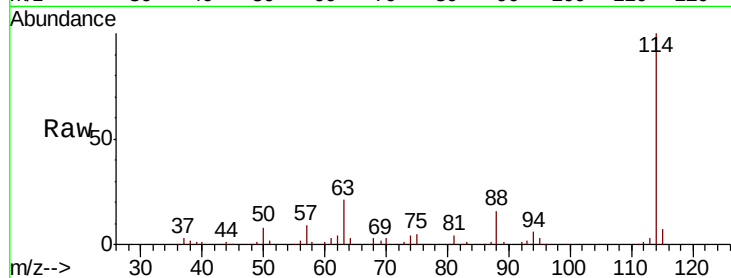




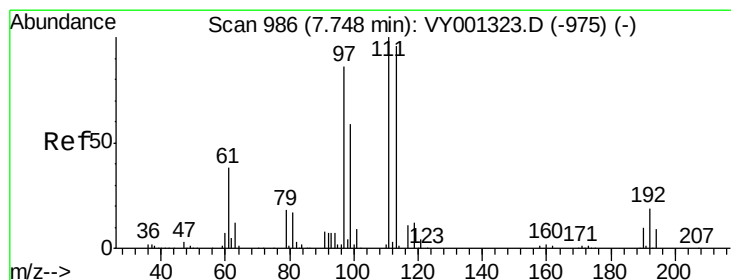
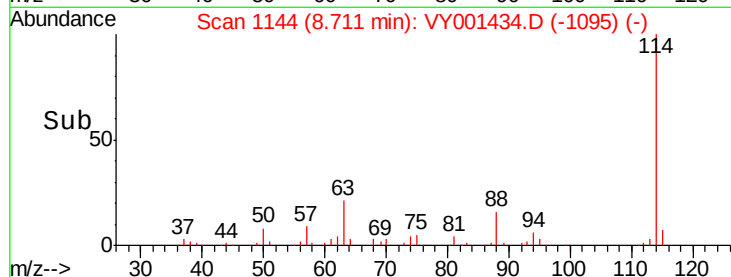
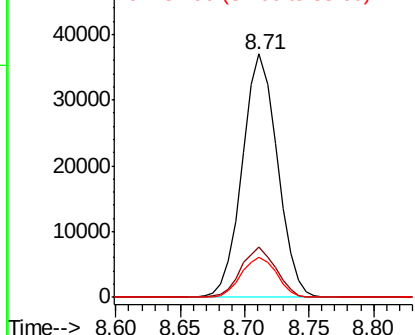
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001434.D
 Acq: 30 Jan 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 69972
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 16.4 0.0 31.0

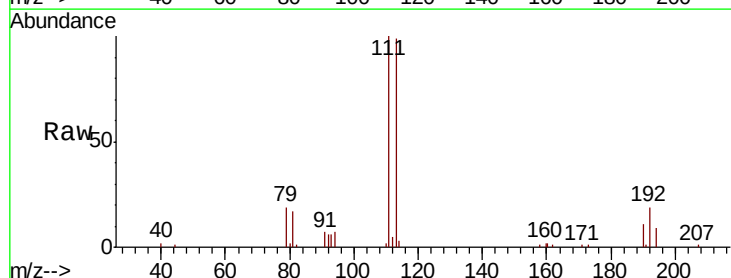


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

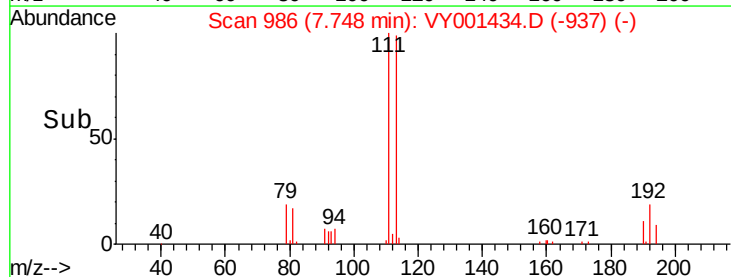
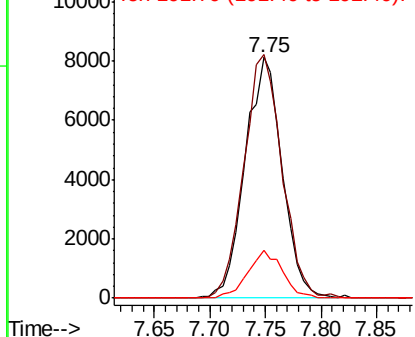


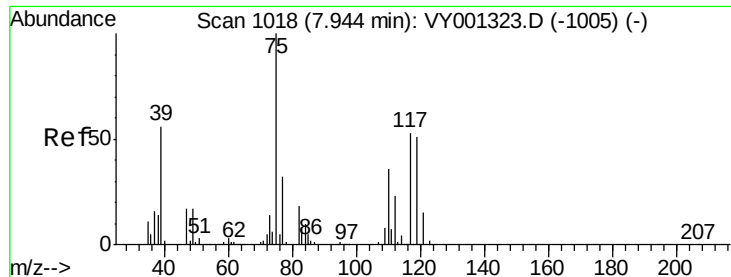
#35
 Dibromofluoromethane
 Concen: 45.893 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001434.D
 Acq: 30 Jan 2020 16:44

Tgt Ion:113 Resp: 18847
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.8 124.2
 192 18.4 15.5 23.3



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

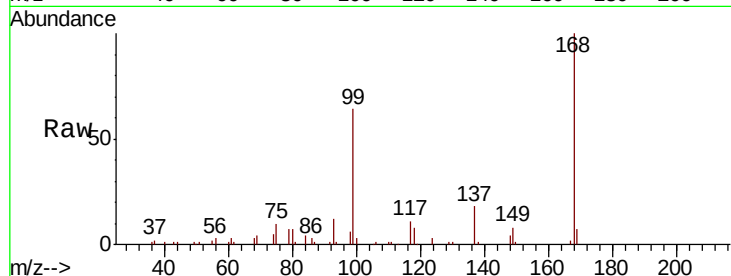




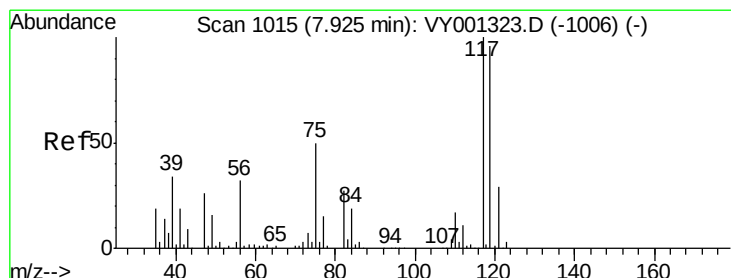
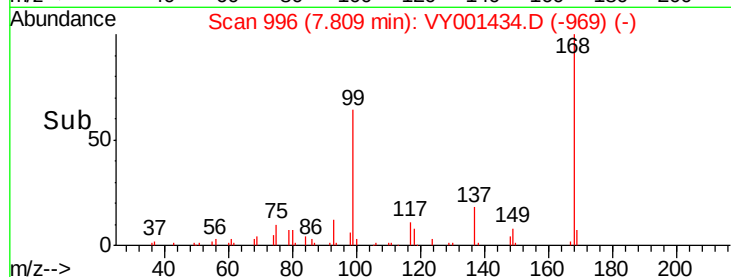
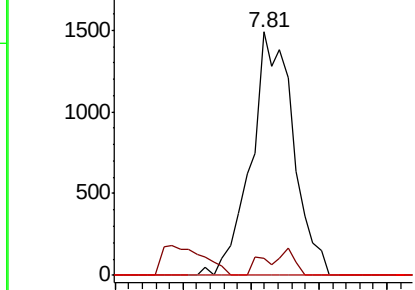
#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001434.D
 Acq: 30 Jan 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.2	17.6	52.8#
77	0.0	24.7	37.1#

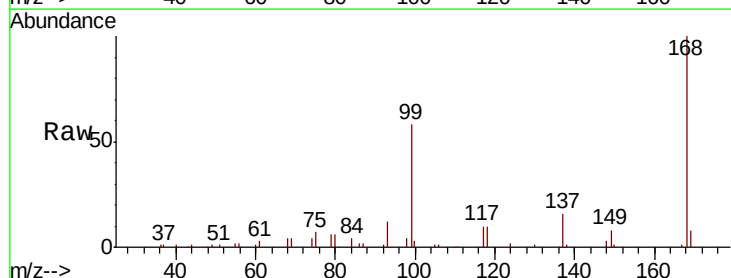


Abundance Ion 74.90 (74.60 to 75.60): VY001434.D (-969) (-)
 Ion 109.90 (109.60 to 110.60): VY001434.D (-969) (-)
 Ion 76.90 (76.60 to 77.60): VY001434.D (-969) (-)

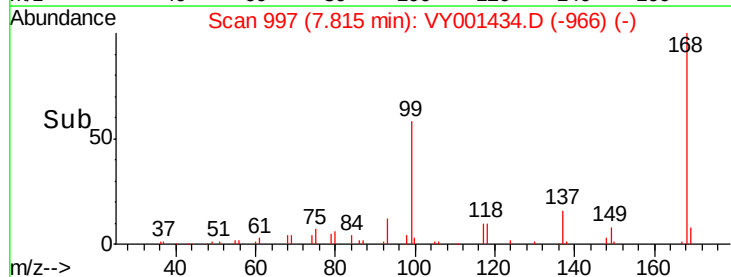
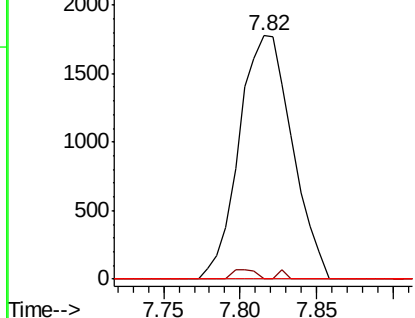


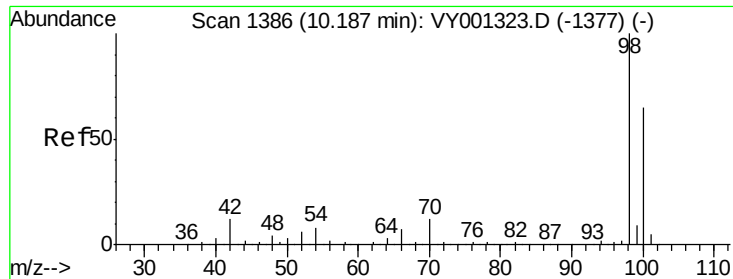
#38
 Carbon Tetrachloride
 Concen: 7.249 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001434.D
 Acq: 30 Jan 2020 16:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.3	114.5#
121	0.0	23.5	35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001434.D (-966) (-)
 Ion 118.80 (118.50 to 119.50): VY001434.D (-966) (-)
 Ion 120.80 (120.50 to 121.50): VY001434.D (-966) (-)





#50

Toluene-d8

Concen: 51.668 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001434.D

Acq: 30 Jan 2020 16:44

Instrument :

MSVOA_Y

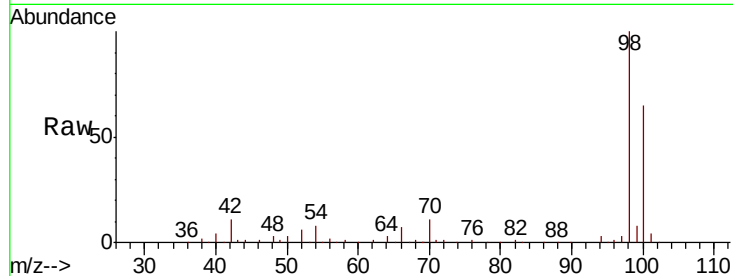
ClientSampled :

Tot Ion: 98 Resp: 82439

Ion Ratio Lower Upper

98 100

100 66.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001323.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001323.D (-1377) (-)

10.19

50000

40000

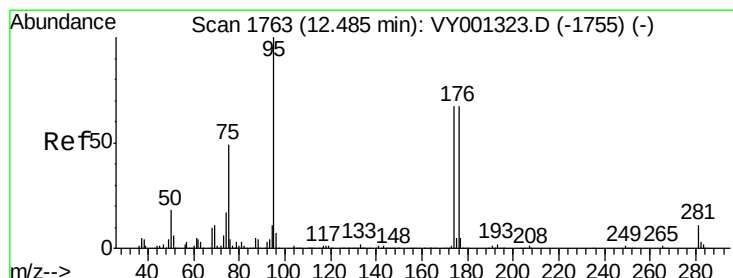
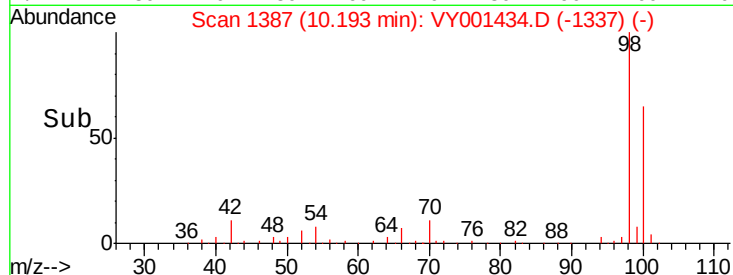
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.427 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001434.D

Acq: 30 Jan 2020 16:44

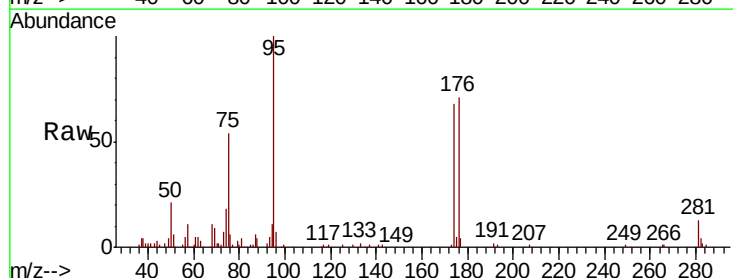
Tgt Ion: 95 Resp: 23781

Ion Ratio Lower Upper

95 100

174 72.2 0.0 142.0

176 71.4 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001323.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001323.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001323.D (-1755) (-)

12.49

20000

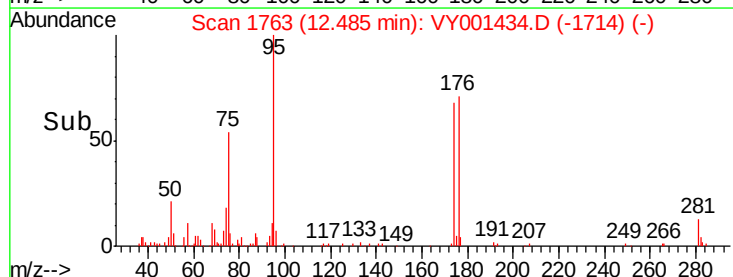
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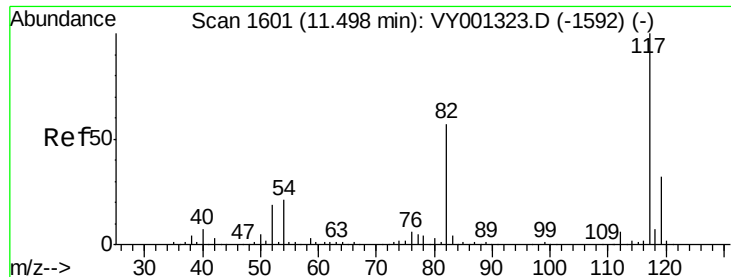
10000

5000

0

Time-->

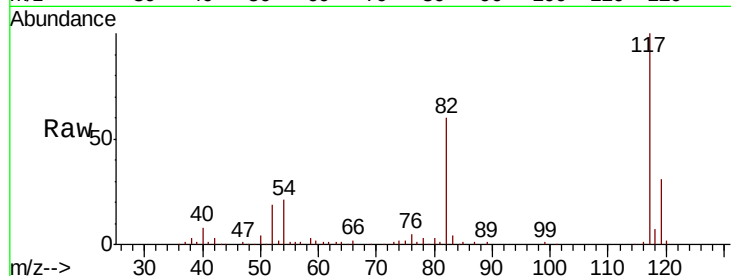




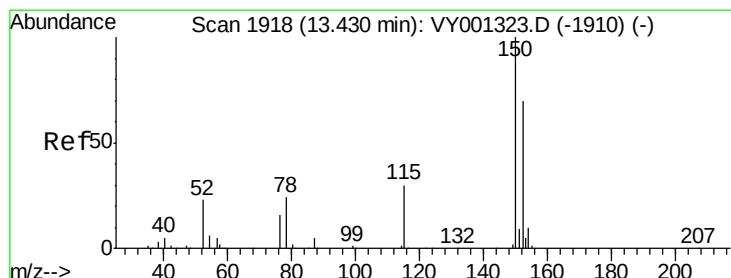
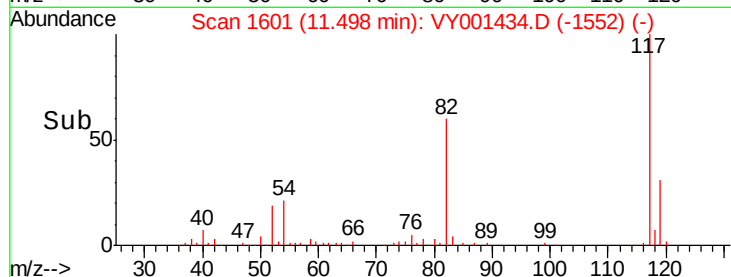
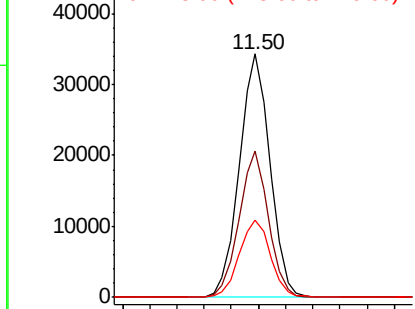
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001434.D
Acq: 30 Jan 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 53821
Ion Ratio Lower Upper
117 100
82 60.0 45.5 68.3
119 31.5 25.8 38.6

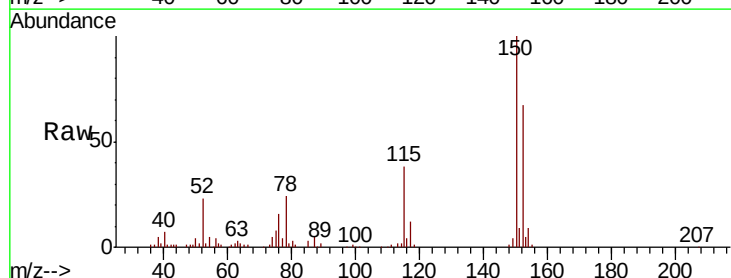


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

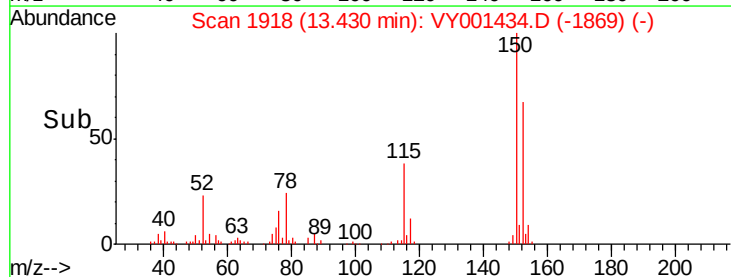
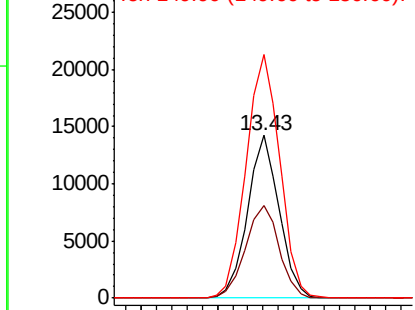


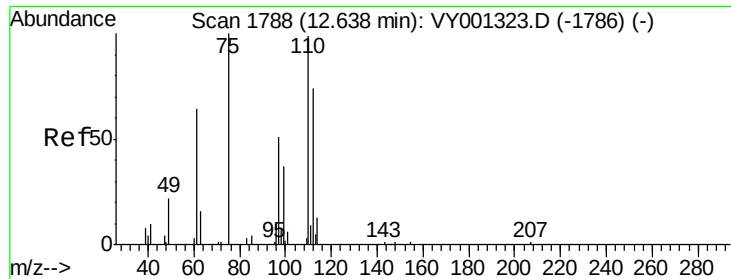
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001434.D
Acq: 30 Jan 2020 16:44

Tgt Ion:152 Resp: 20452
Ion Ratio Lower Upper
152 100
115 60.7 30.9 92.8
150 159.6 0.0 349.2



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



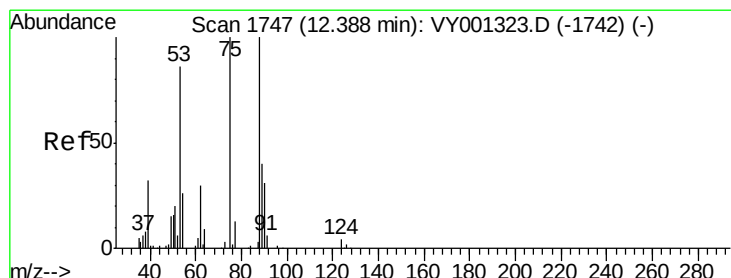
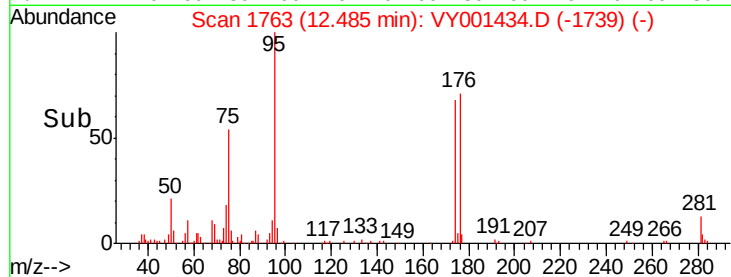
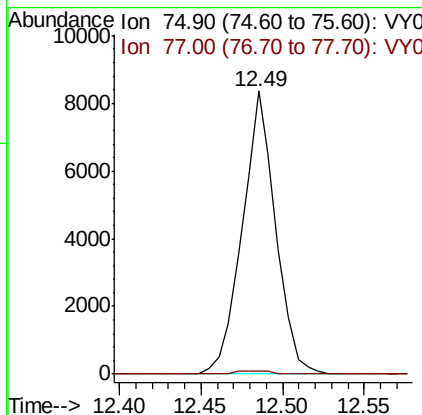
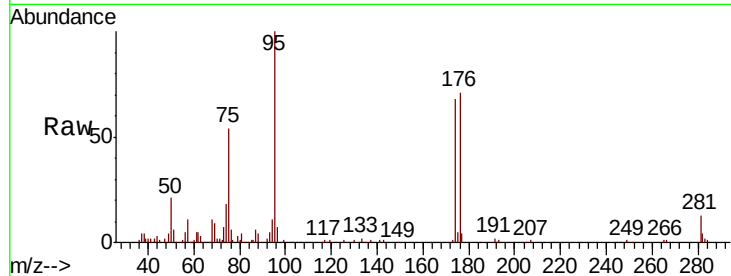


#76

1,2,3-Trichloropropane
Concen: 48.128 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY001434.D
Acq: 30 Jan 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :

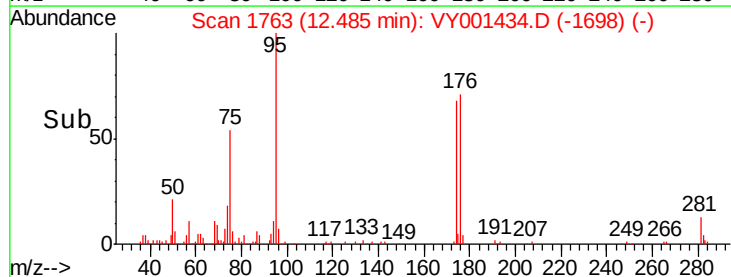
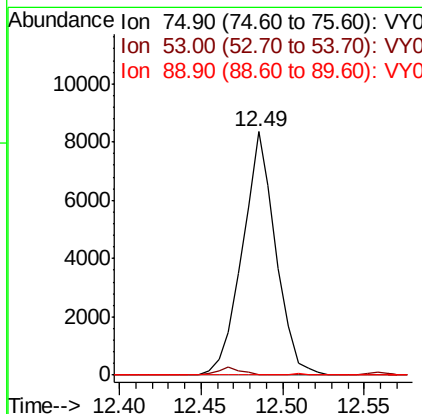
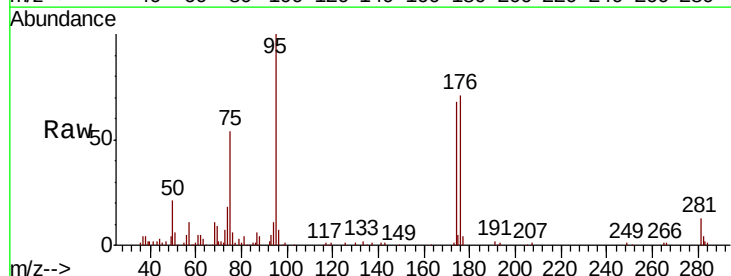
Tot Ion: 75 Resp: 11861
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

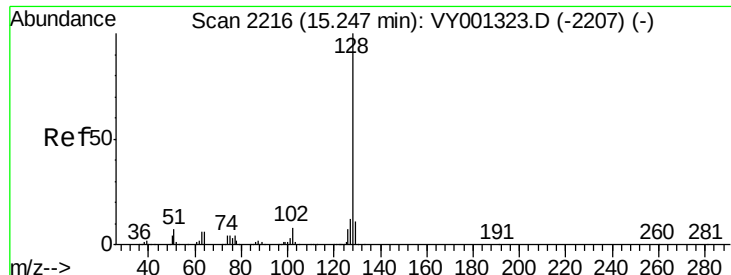


#81

trans-1,4-Dichloro-2-butene
Concen: 91.077 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY001434.D
Acq: 30 Jan 2020 16:44

Tgt Ion: 75 Resp: 11861
Ion Ratio Lower Upper
75 100
53 2.3 69.9 104.9#
89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 1.371 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

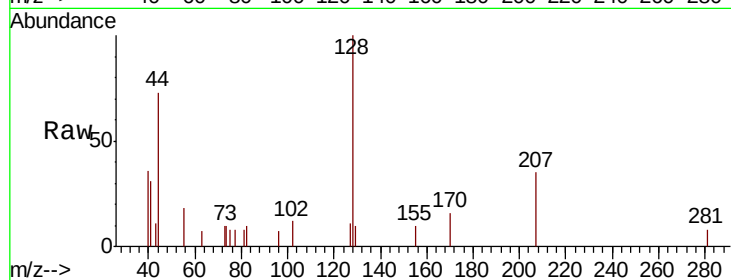
Lab File: VY001434.D

Acq: 30 Jan 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :



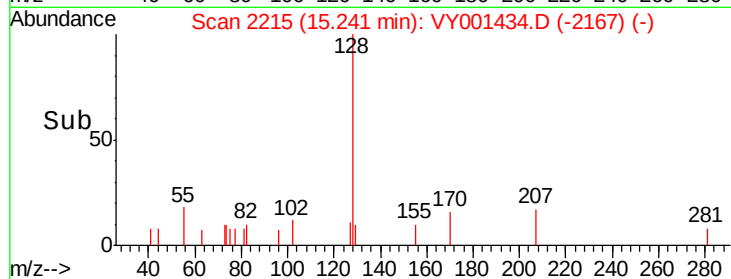
Tot Ion:128 Resp: 1336

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.2

129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

