

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002170.D
 Acq On : 01 Apr 2020 17:56
 Operator : SY/MD
 Sample : L2129-06
 Misc : 6.20G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 02 06:24:22 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

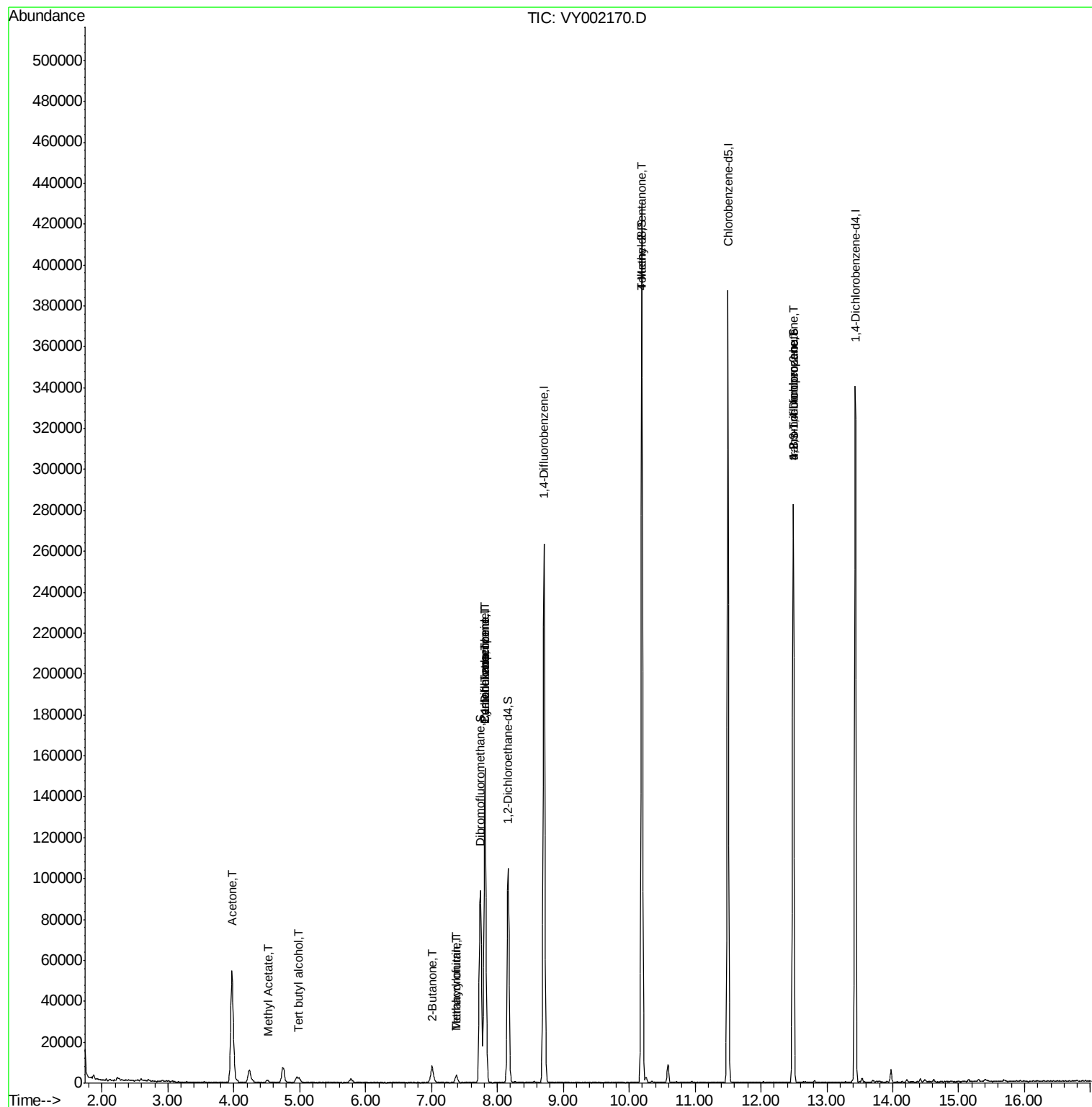
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	114752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	224781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	207404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	81280	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	75251	59.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.64%	
35) Dibromofluoromethane	7.74	113	67405	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.19	98	275305	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.49	95	88594	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.99	59	3087	20.650	ug/l #	91
16) Acetone	3.97	43	97053	272.316	ug/l	97
18) Methyl Acetate	4.52	43	2230	2.410	ug/l	100
20) Methylene Chloride	4.74	84	5362	Below Cal		95
25) 2-Butanone	7.02	43	1678	3.066	ug/l	92
29) Tetrahydrofuran	7.38	42	2883	8.035	ug/l	98
31) Cyclohexane	7.82	56	2688	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	9919	4.665	ug/l #	49
38) Carbon Tetrachloride	7.82	117	11715	6.494	ug/l #	17
41) Methacrylonitrile	7.38	41	1593	2.451	ug/l #	100
51) 4-Methyl-2-Pentanone	10.19	43	1348	1.098	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	45922	50.509	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	45922	97.853	ug/l #	17

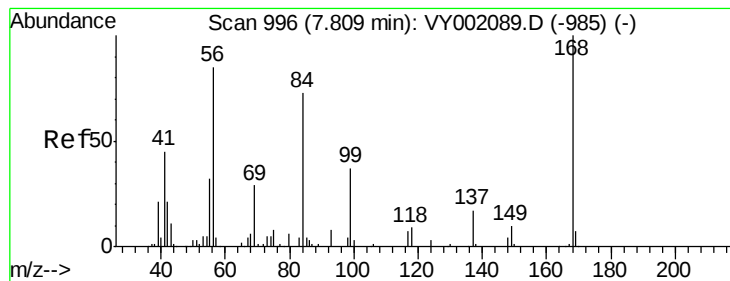
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002170.D

Acq: 01 Apr 2020 17:56

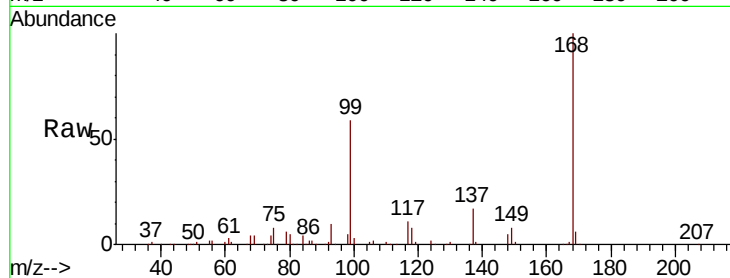
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 114752

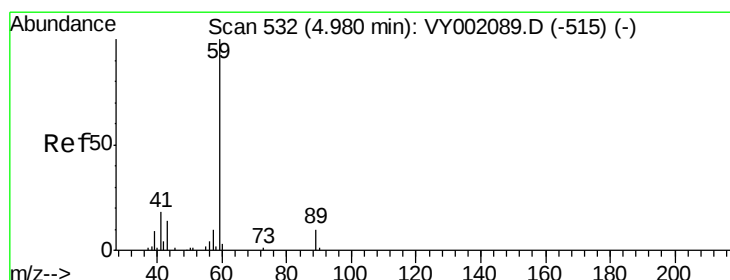
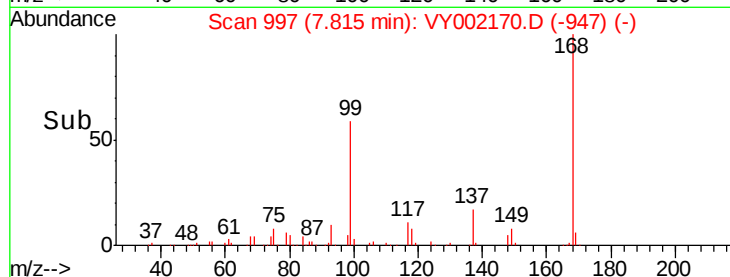
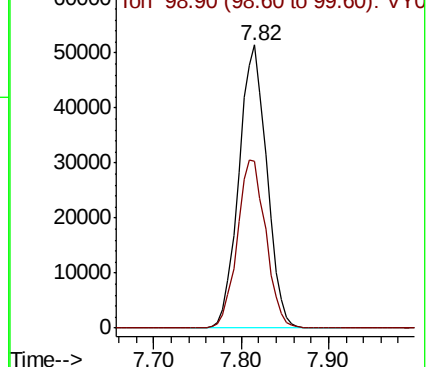
Ion Ratio Lower Upper

168 100

99 58.9 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002170.D (-947) (-)



#11

Tert butyl alcohol

Concen: 20.650 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY002170.D

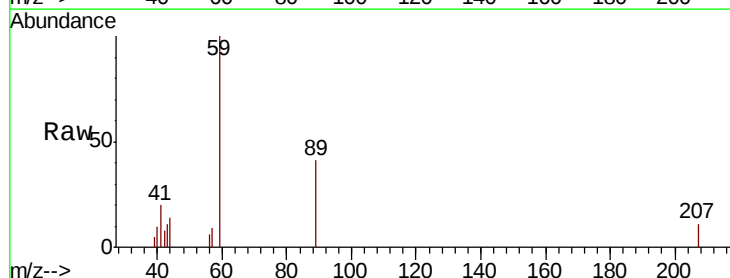
Acq: 01 Apr 2020 17:56

Tgt Ion: 59 Resp: 3087

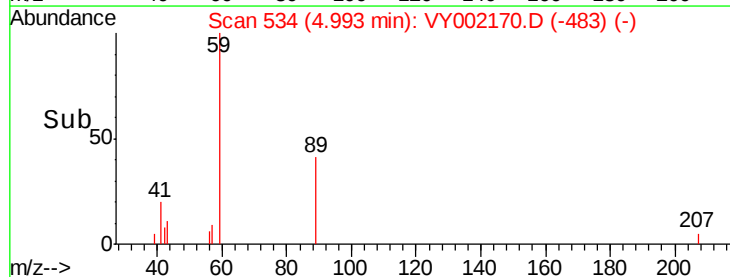
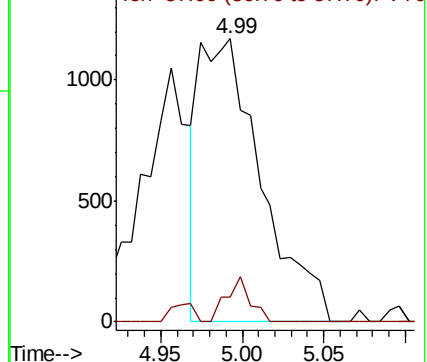
Ion Ratio Lower Upper

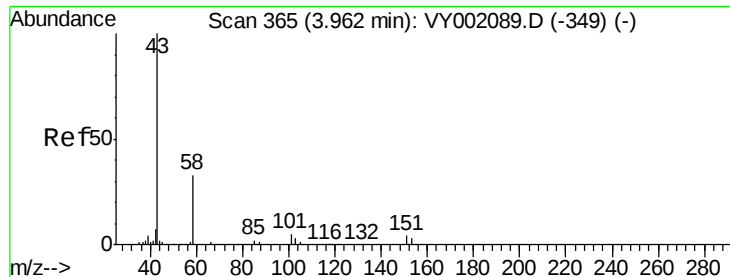
59 100

57 6.2 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002170.D (-483) (-)





#16

Acetone

Concen: 272.316 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002170.D

Acq: 01 Apr 2020 17:56

Instrument :

MSVOA_Y

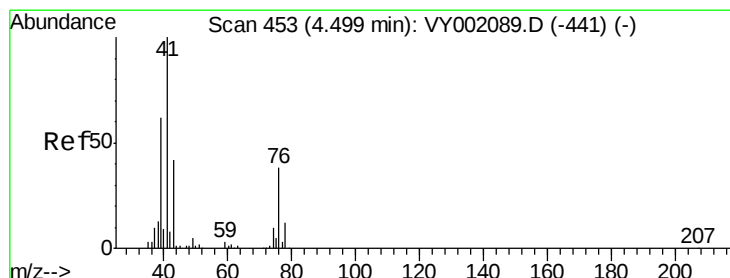
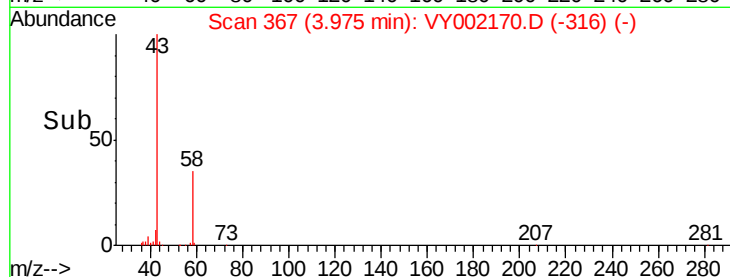
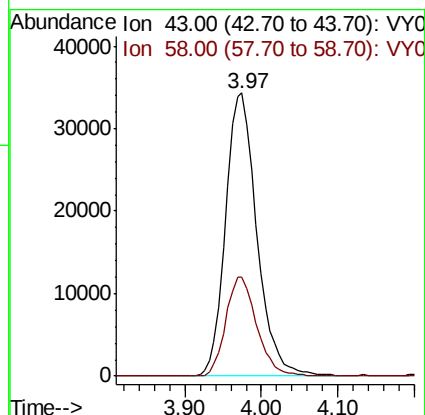
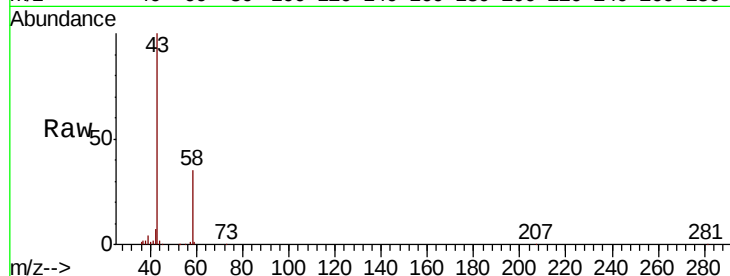
ClientSampleId :

Tot Ion: 43 Resp: 97053

Ion Ratio Lower Upper

43 100

58 34.8 26.3 39.5



#18

Methyl Acetate

Concen: 2.410 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002170.D

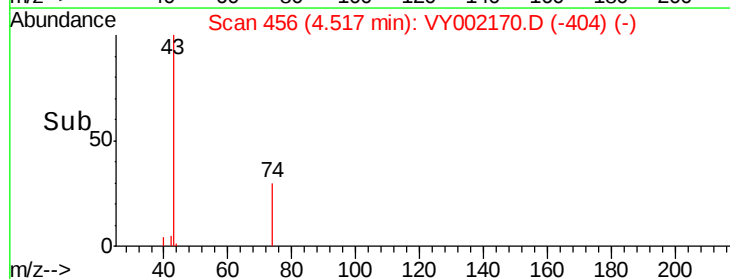
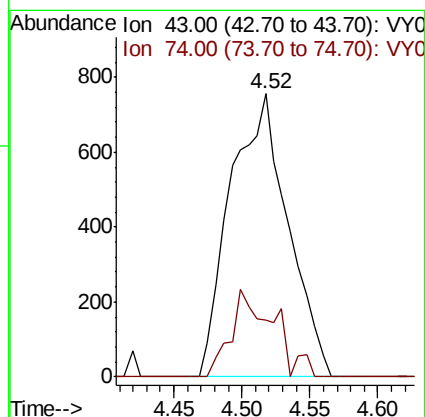
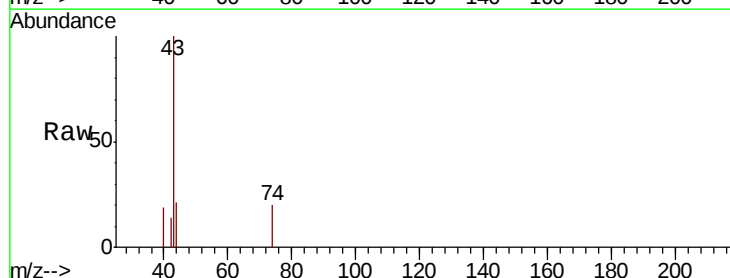
Acq: 01 Apr 2020 17:56

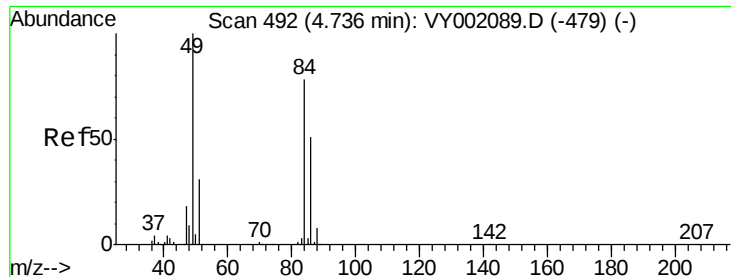
Tgt Ion: 43 Resp: 2230

Ion Ratio Lower Upper

43 100

74 23.1 18.3 27.5

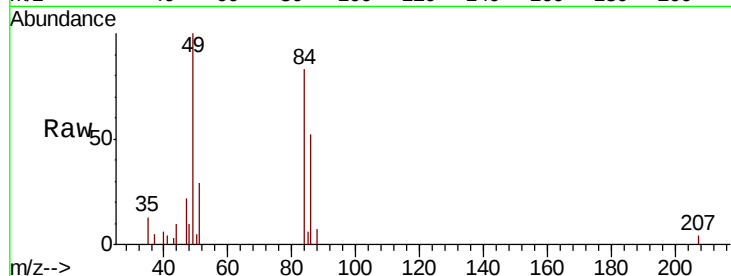




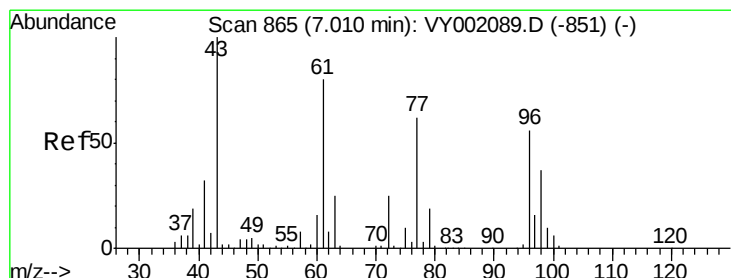
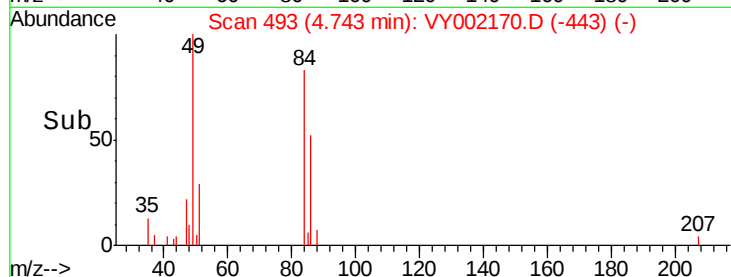
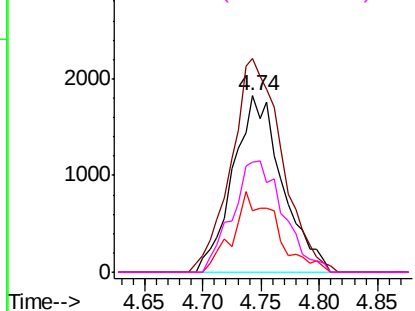
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002170.D
Acq: 01 Apr 2020 17:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 5362
Ion Ratio Lower Upper
84 100
49 121.2 102.2 153.4
51 35.1 31.2 46.8
86 62.5 52.6 78.8

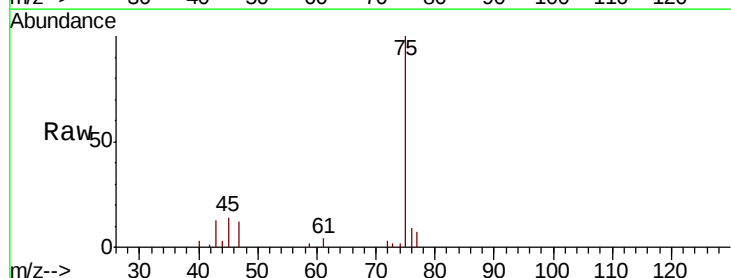


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

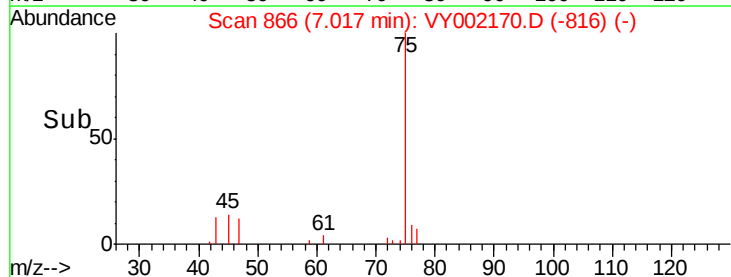
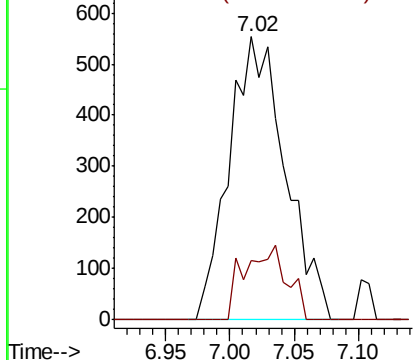


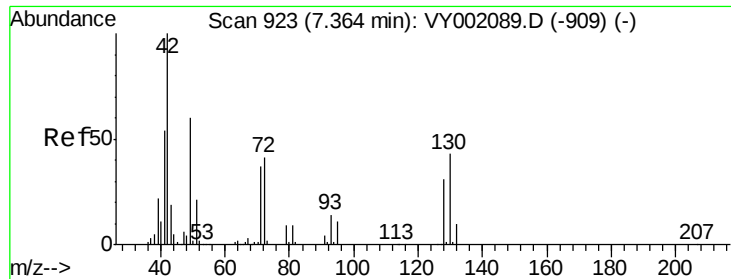
#25
2-Butanone
Concen: 3.066 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002170.D
Acq: 01 Apr 2020 17:56

Tgt Ion: 43 Resp: 1678
Ion Ratio Lower Upper
43 100
72 21.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

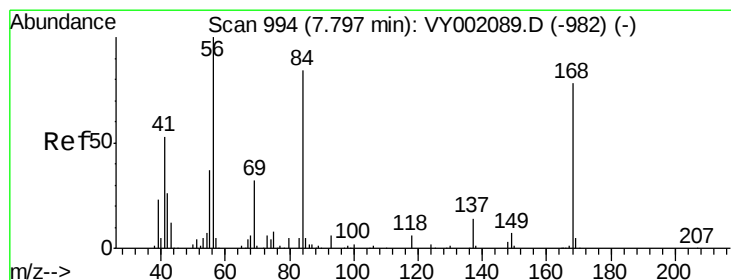
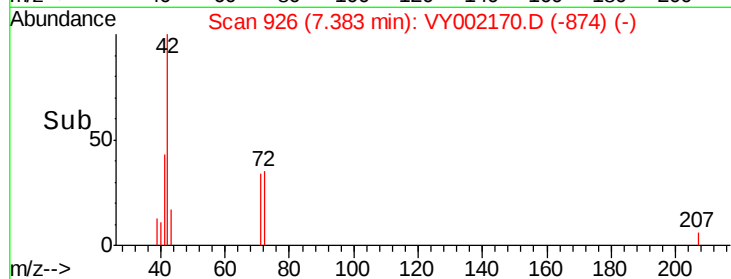
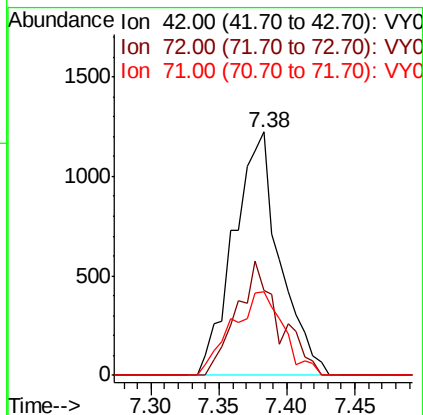
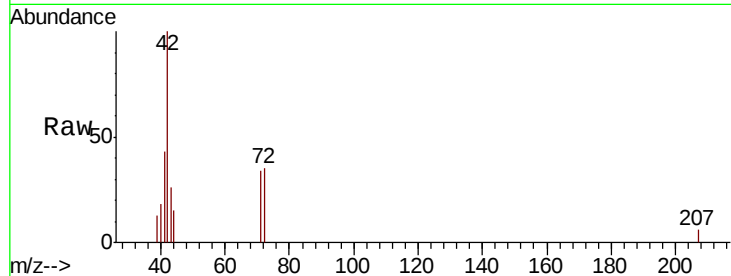




#29
Tetrahydrofuran
Concen: 8.035 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.02 min
Lab File: VY002170.D
Acq: 01 Apr 2020 17:56

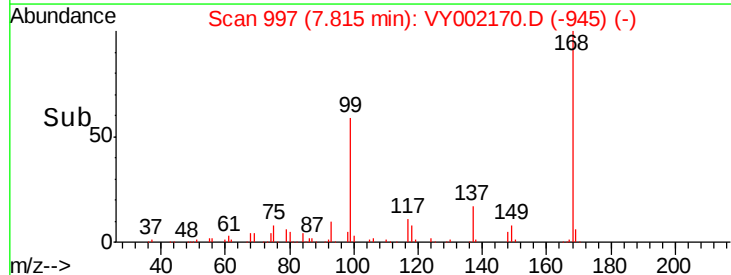
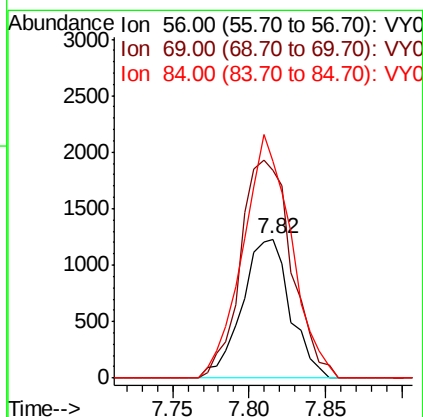
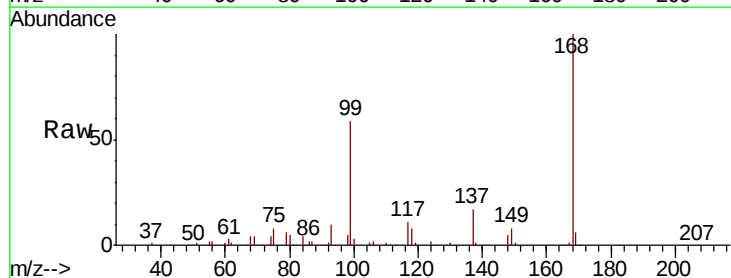
Instrument :
MSVOA_Y
ClientSampleId :

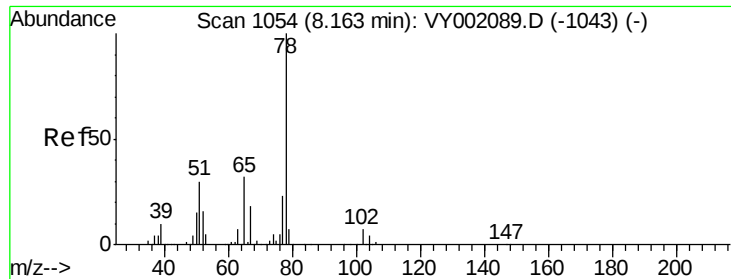
Tot Ion: 42 Resp: 2883
Ion Ratio Lower Upper
42 100
72 43.4 33.0 49.4
71 38.4 31.2 46.8



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.02 min
Lab File: VY002170.D
Acq: 01 Apr 2020 17:56

Tgt Ion: 56 Resp: 2688
Ion Ratio Lower Upper
56 100
69 149.4 25.8 38.8#
84 155.9 67.1 100.7#

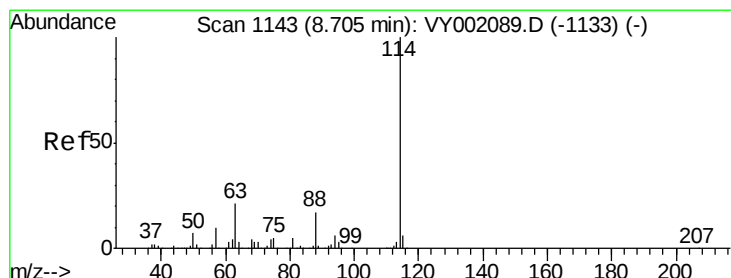
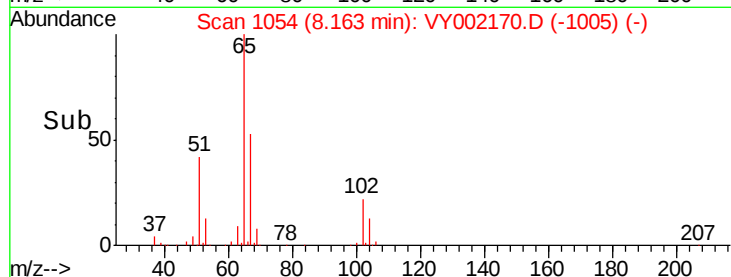
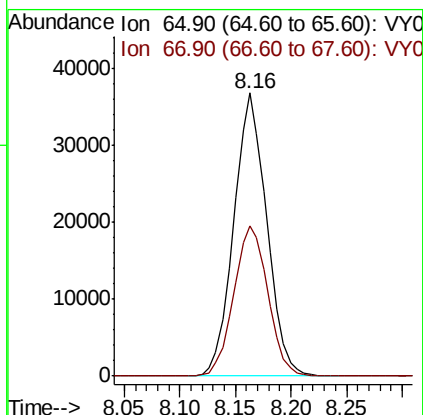
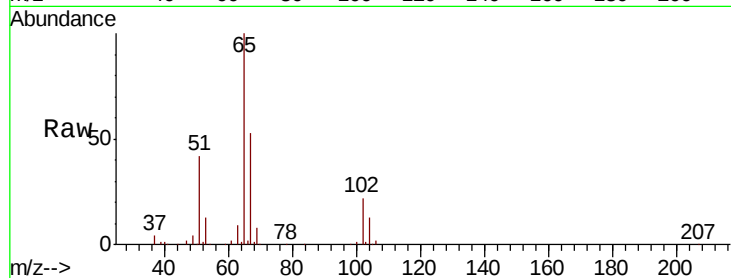




#33
 1,2-Dichloroethane-d4
 Concen: 59.320 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY002170.D
 Acq: 01 Apr 2020 17:56

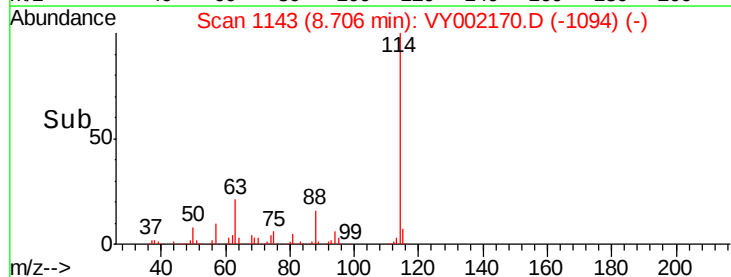
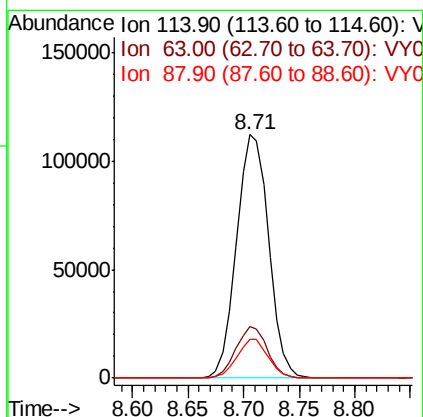
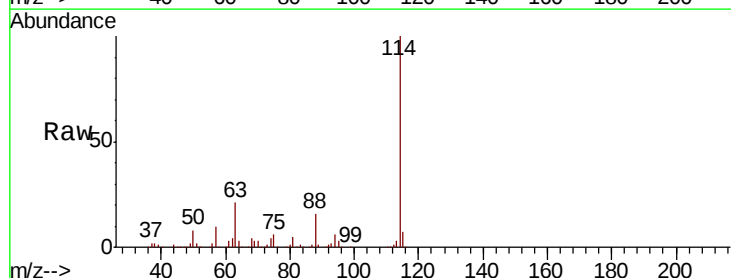
Instrument :
 MSVOA_Y
 ClientSampleId :

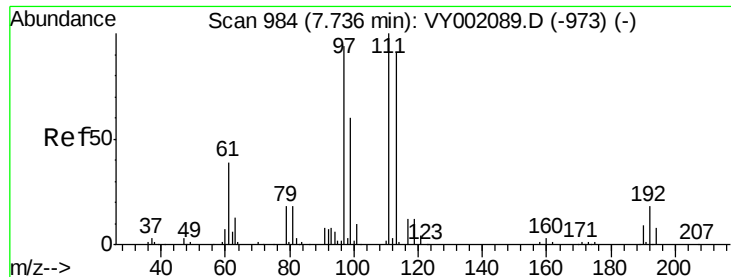
Tot Ion: 65 Resp: 75251
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002170.D
 Acq: 01 Apr 2020 17:56

Tgt Ion: 114 Resp: 224781
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.4
 88 16.1 0.0 33.0

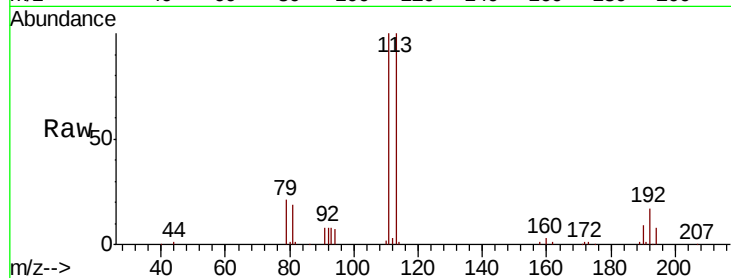




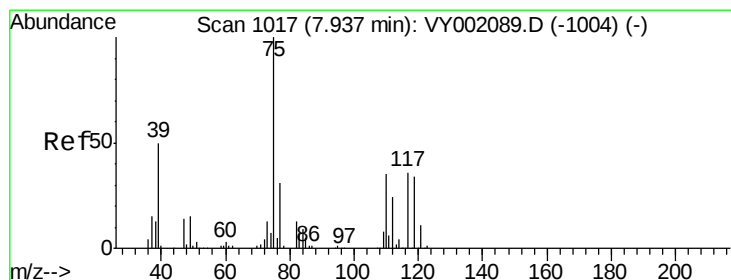
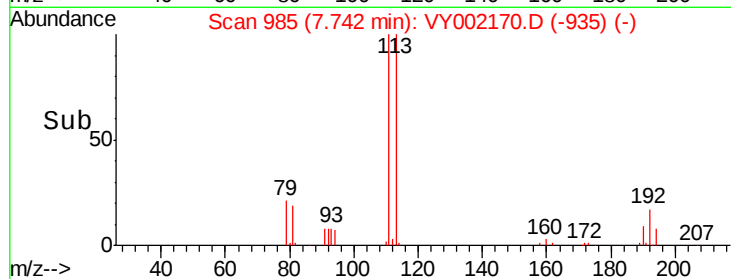
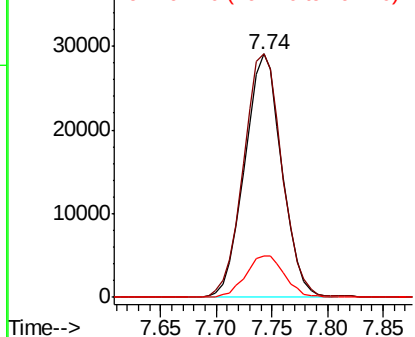
#35
 Dibromofluoromethane
 Concen: 53.518 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002170.D
 Acq: 01 Apr 2020 17:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 67405
 Ion Ratio Lower Upper
 113 100
 111 103.4 84.4 126.6
 192 17.7 14.6 21.8

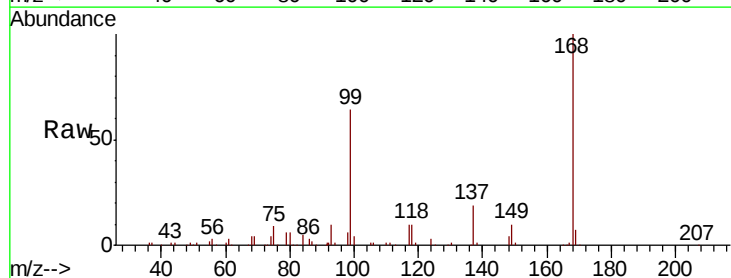


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

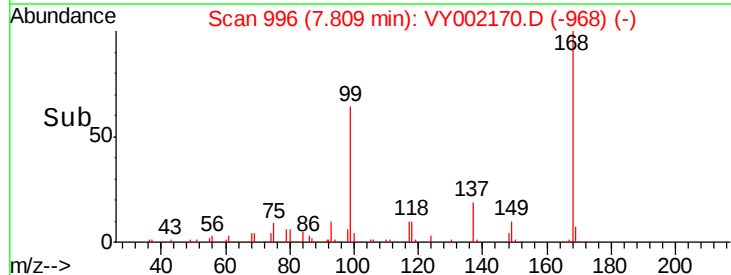
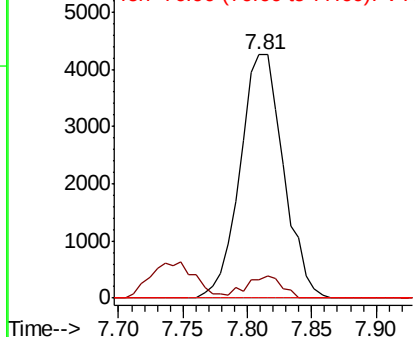


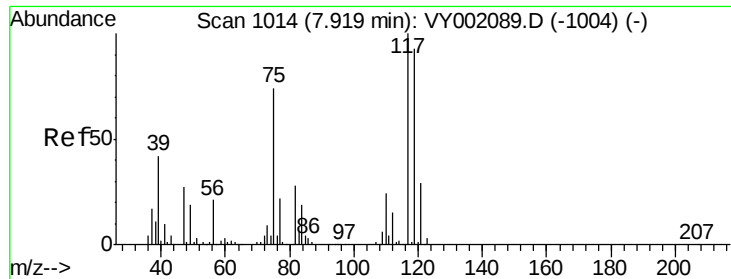
#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002170.D
 Acq: 01 Apr 2020 17:56

Tgt Ion: 75 Resp: 9919
 Ion Ratio Lower Upper
 75 100
 110 7.2 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: 6.494 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002170.D

Acq: 01 Apr 2020 17:56

Instrument :

MSVOA_Y

ClientSampled :

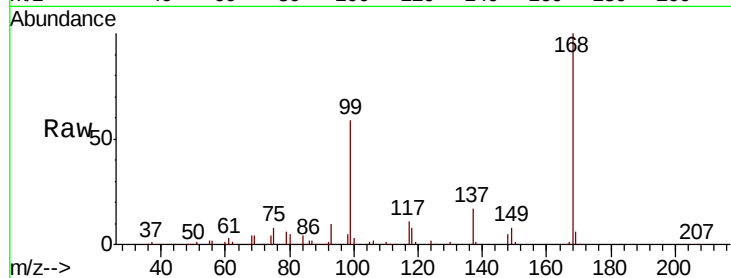
Tot Ion:117 Resp: 11715

Ion Ratio Lower Upper

117 100

119 5.0 74.3 111.5#

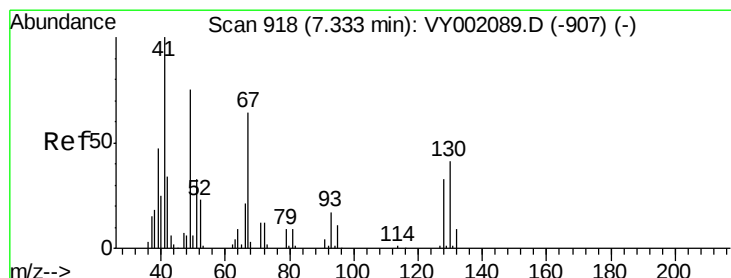
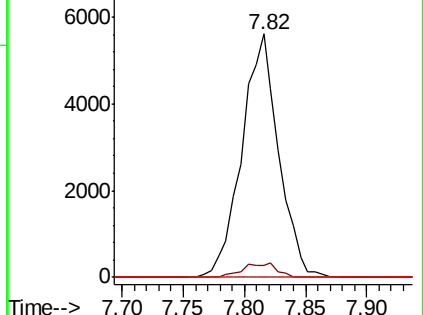
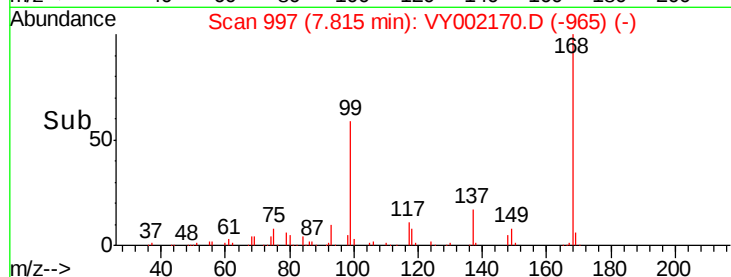
121 0.0 23.3 34.9#



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



#41

Methacrylonitrile

Concen: 2.451 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.04 min

Lab File: VY002170.D

Acq: 01 Apr 2020 17:56

Tgt Ion: 41 Resp: 1593

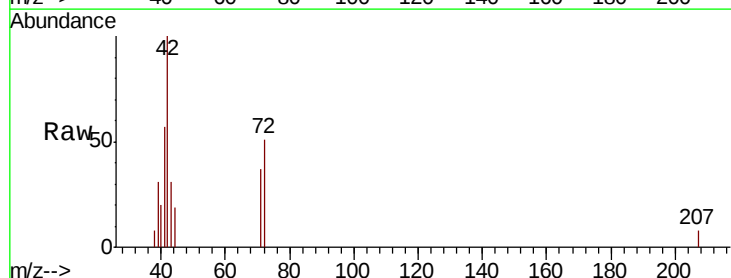
Ion Ratio Lower Upper

41 100

39 41.6 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

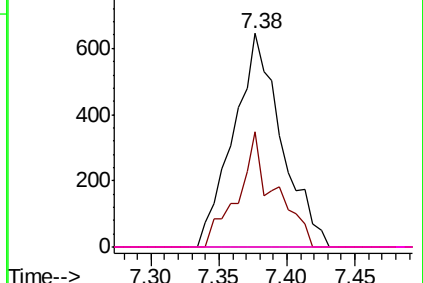
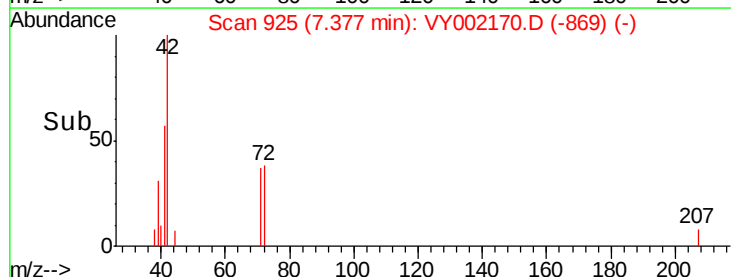


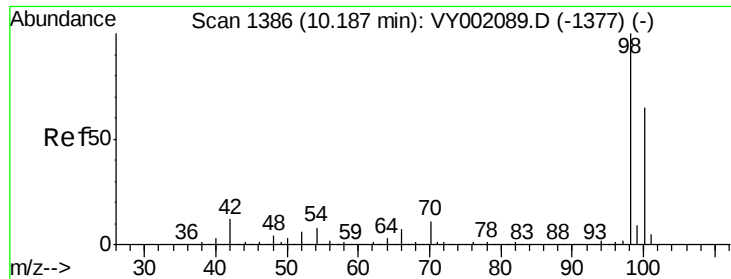
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 52.618 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002170.D

Acq: 01 Apr 2020 17:56

Instrument :

MSVOA_Y

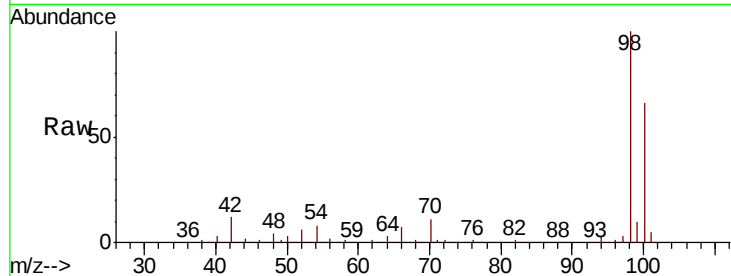
ClientSampleId :

Tot Ion: 98 Resp: 275305

Ion Ratio Lower Upper

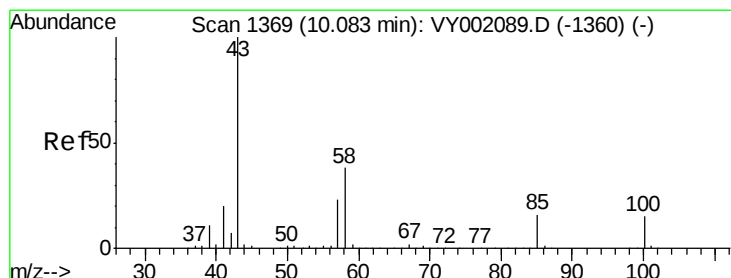
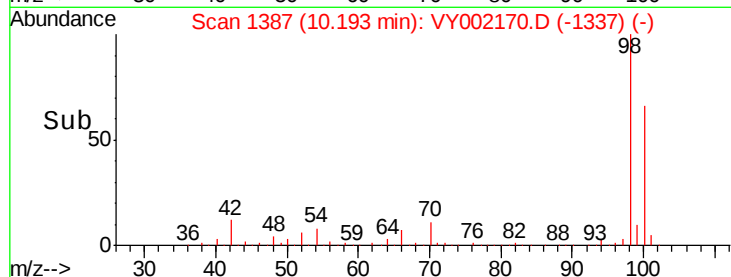
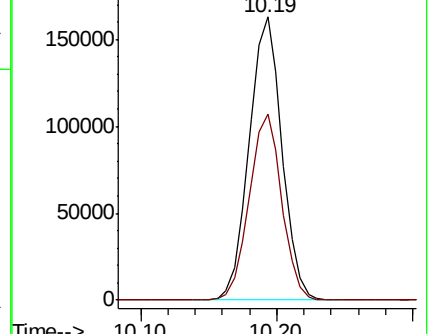
98 100

100 65.1 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: 1.098 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002170.D

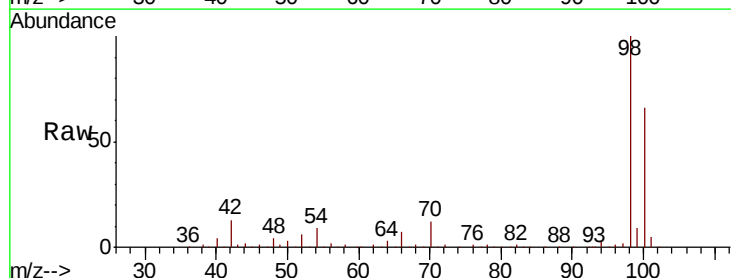
Acq: 01 Apr 2020 17:56

Tgt Ion: 43 Resp: 1348

Ion Ratio Lower Upper

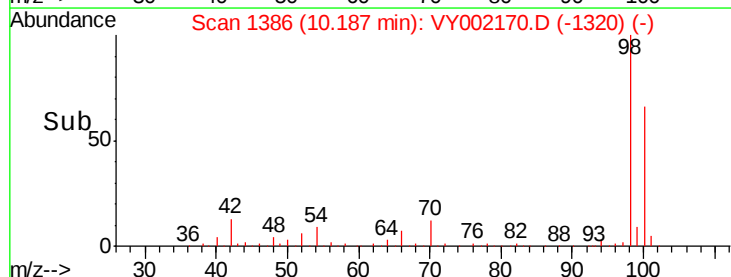
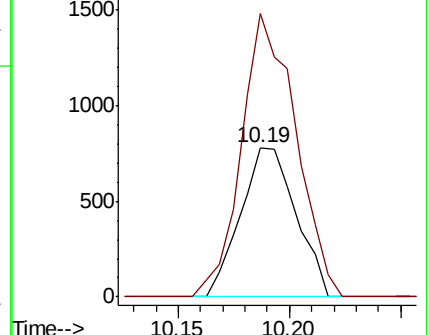
43 100

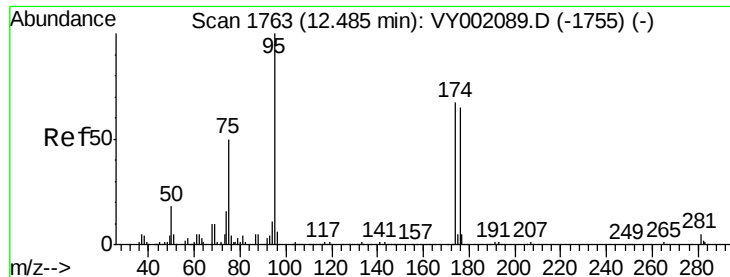
58 186.6 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

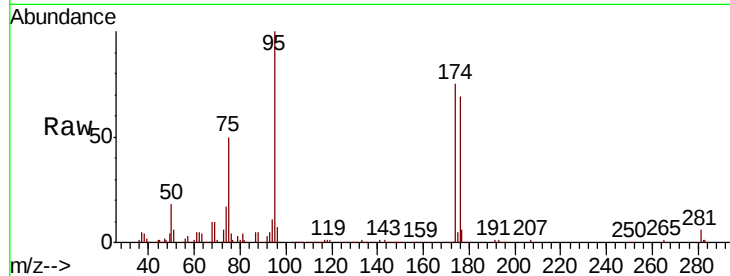




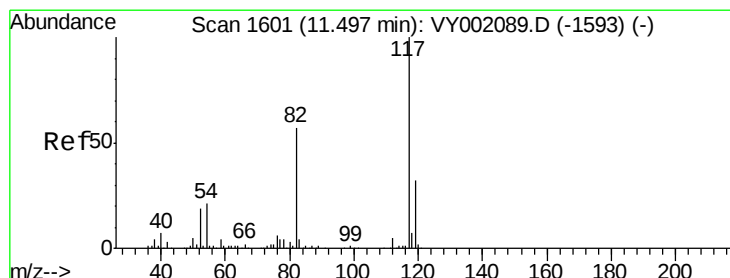
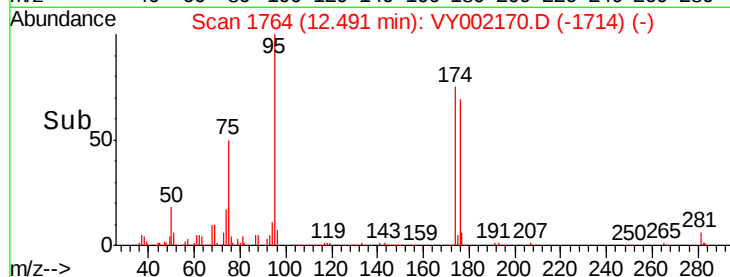
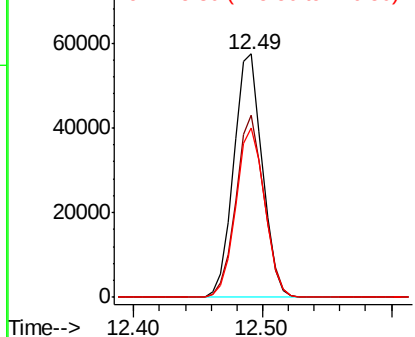
#62
4-Bromofluorobenzene
Concen: 48.415 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002170.D
Acq: 01 Apr 2020 17:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	95	Resp	88594
Ion Ratio	Lower	Upper	
95	100		
174	73.4	0.0	143.4
176	69.8	0.0	137.0

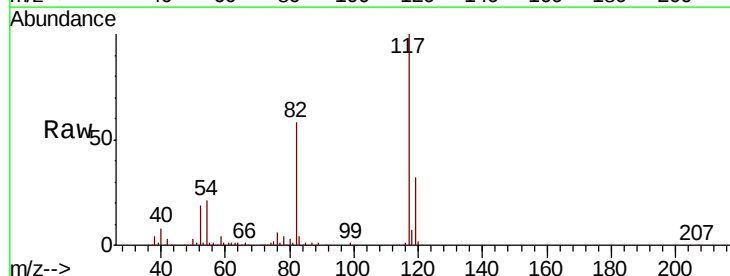


Abundance Ion 94.90 (94.60 to 95.60): VY002170.D (-1755) (-)
Ion 173.80 (173.50 to 174.50): VY002170.D (-1755) (-)
Ion 175.80 (175.50 to 176.50): VY002170.D (-1755) (-)

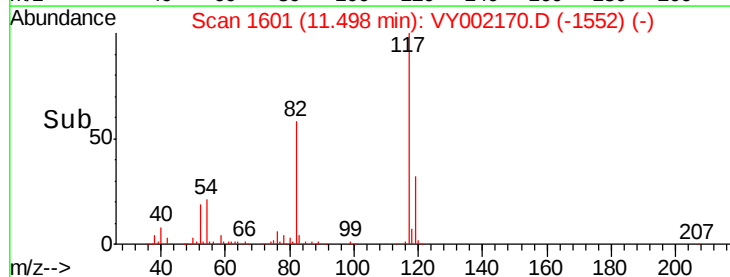
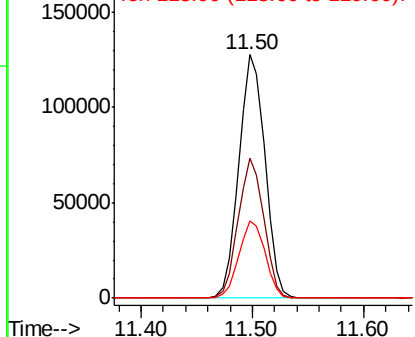


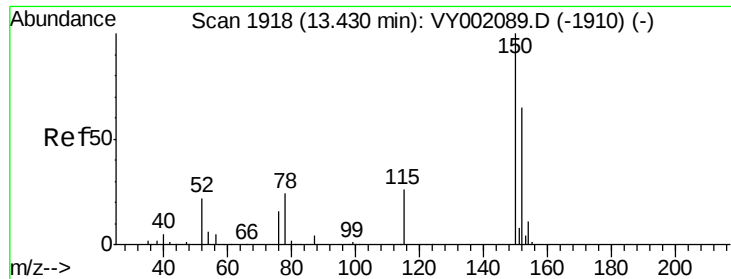
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002170.D
Acq: 01 Apr 2020 17:56

Tgt Ion	117	Resp	207404
Ion Ratio	Lower	Upper	
117	100		
82	57.7	45.4	68.2
119	31.8	25.3	37.9



Abundance Ion 116.90 (116.60 to 117.60): VY002170.D (-1552) (-)
Ion 82.00 (81.70 to 82.70): VY002170.D (-1552) (-)
Ion 118.90 (118.60 to 119.60): VY002170.D (-1552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002170.D

Acq: 01 Apr 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

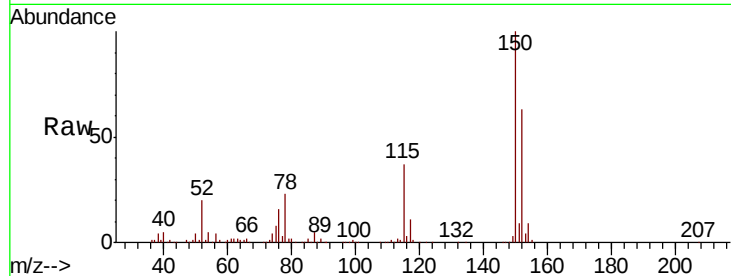
Tot Ion:152 Resp: 81280

Ion Ratio Lower Upper

152 100

115 61.7 31.2 93.6

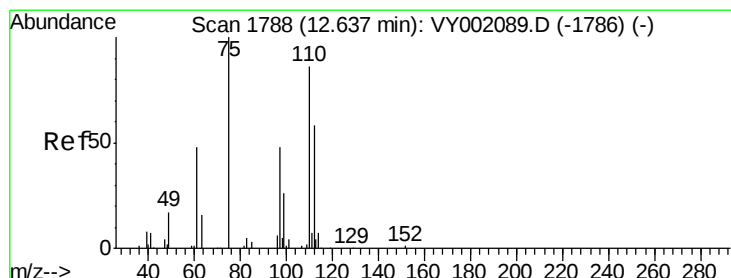
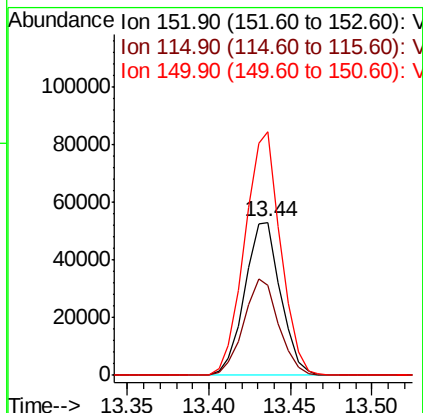
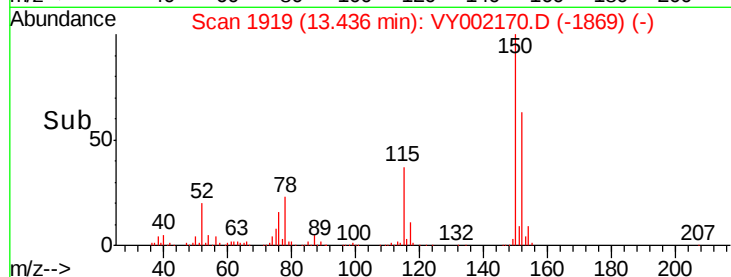
150 159.0 0.0 354.8



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



#76

1,2,3-Trichloropropane

Concen: 50.509 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002170.D

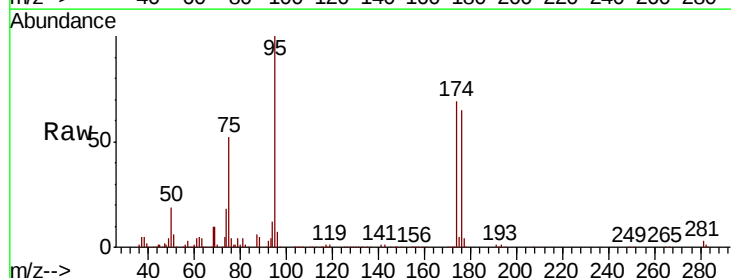
Acq: 01 Apr 2020 17:56

Tgt Ion: 75 Resp: 45922

Ion Ratio Lower Upper

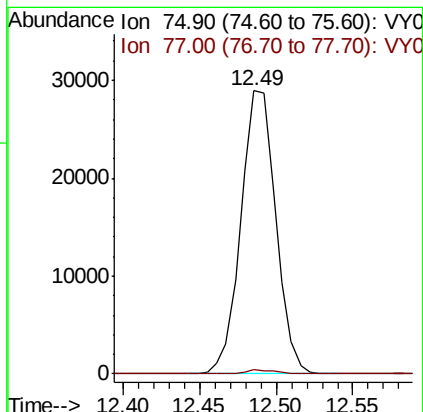
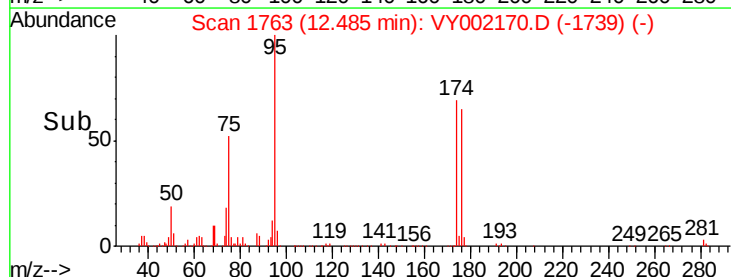
75 100

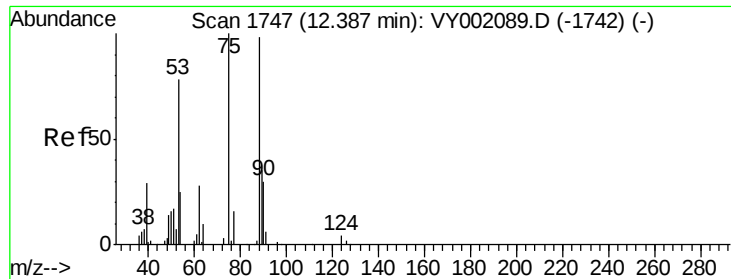
77 1.4 0.0 0.0#



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: 97.853 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002170.D

Acq: 01 Apr 2020 17:56

Instrument :

MSVOA_Y

ClientSampleId :

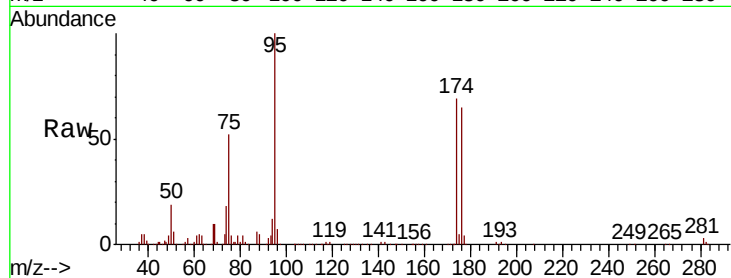
Tot Ion: 75 Resp: 45922

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.1 33.4 50.0#



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

