

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002168.D
 Acq On : 01 Apr 2020 17:11
 Operator : SY/MD
 Sample : L2125-02
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 02 06:24:02 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	7.82	168	114734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	227749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	217066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	93878	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	77178	60.85	ug/l	0.00
Spiked Amount			Recovery	=	121.70%	
35) Dibromofluoromethane	7.74	113	69262	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	10.19	98	278773	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.49	95	96687	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	

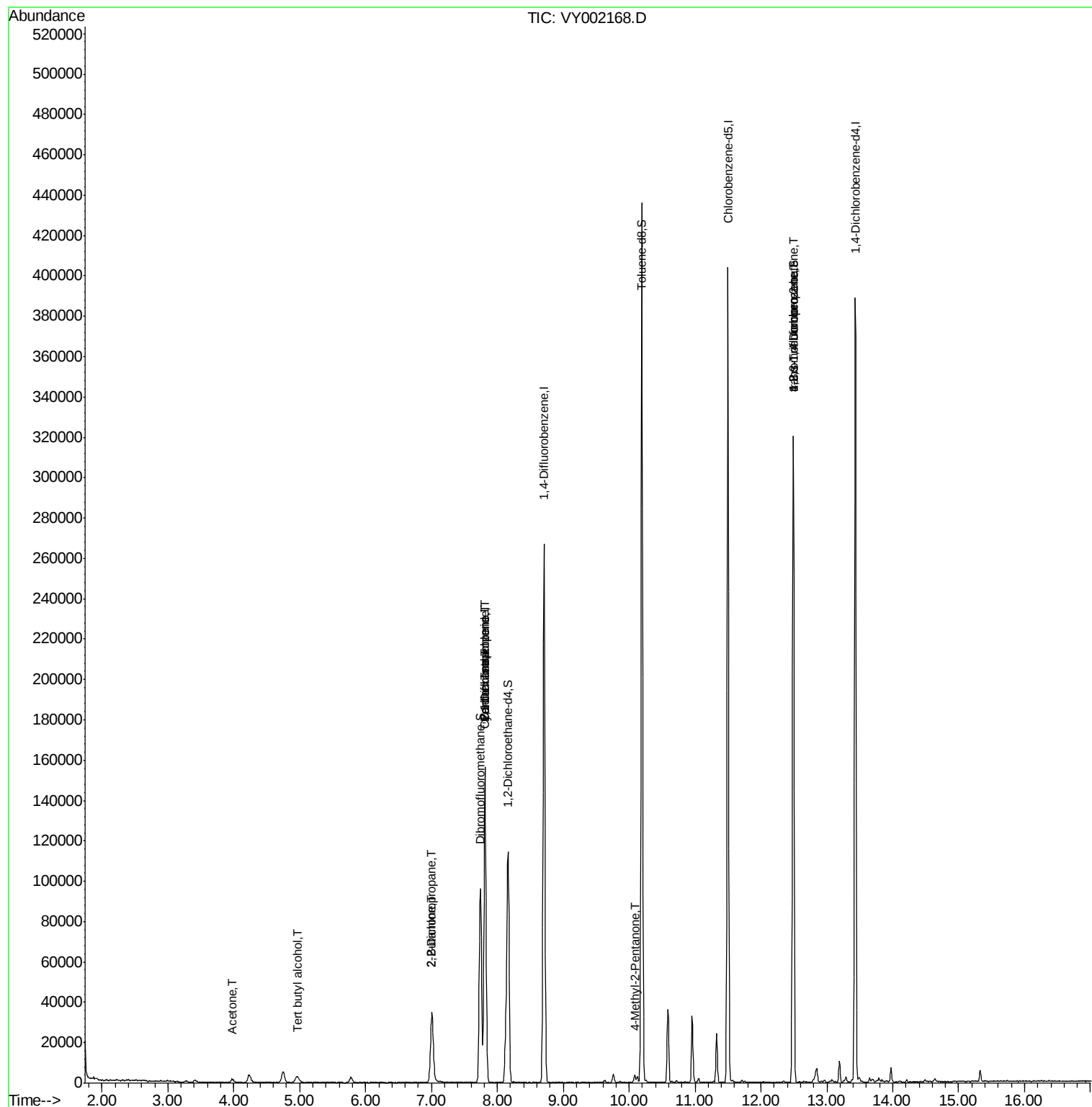
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	218	Below Cal	#	43
11) Tert butyl alcohol	4.97	59	4155	27.799	ug/l #	78
16) Acetone	3.97	43	3488	9.788	ug/l	91
20) Methylene Chloride	4.75	84	3920	Below Cal		98
25) 2-Butanone	7.00	43	2513	4.593	ug/l #	73
26) 2,2-Dichloropropane	7.00	77	2560	1.253	ug/l #	52
31) Cyclohexane	7.80	56	2846	1.077	ug/l #	13
36) 1,1-Dichloropropene	7.81	75	10227	4.748	ug/l #	50
38) Carbon Tetrachloride	7.82	117	11825	6.470	ug/l #	18
51) 4-Methyl-2-Pentanone	10.08	43	3146	2.529	ug/l	95
76) 1,2,3-Trichloropropane	12.49	75	50640	48.223	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	50640	93.426	ug/l #	17

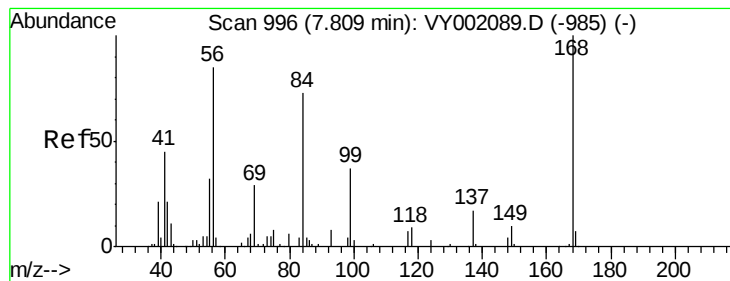
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
Data File : VY002168.D
Acq On : 01 Apr 2020 17:11
Operator : SY/MD
Sample : L2125-02
Misc : 4.99G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Apr 02 06:24:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
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: VY002168.D

Acq: 01 Apr 2020 17:11

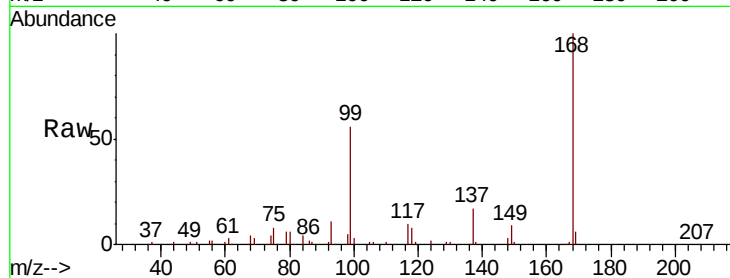
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 114734

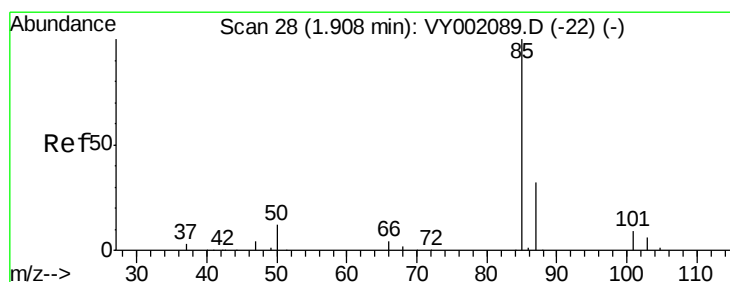
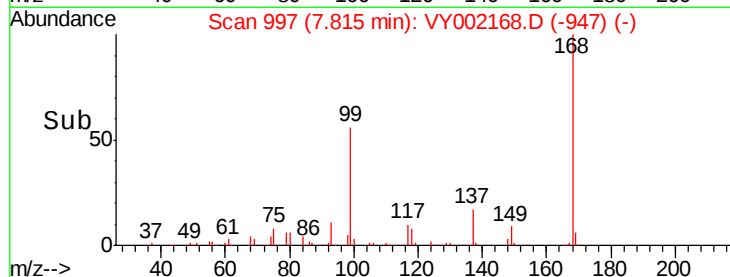
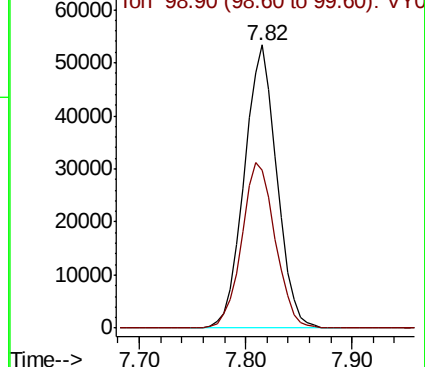
Ion Ratio Lower Upper

168 100

99 55.9 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002168.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002168.D

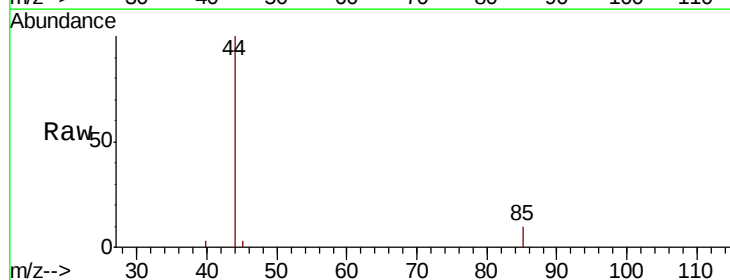
Acq: 01 Apr 2020 17:11

Tgt Ion: 85 Resp: 218

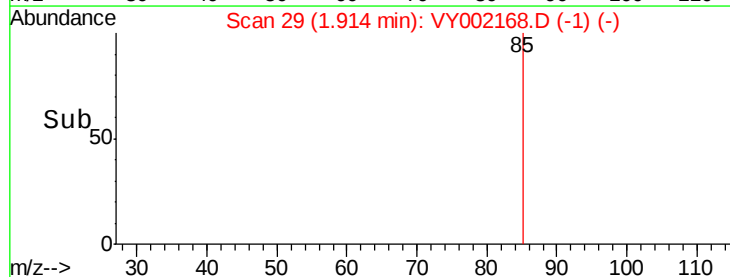
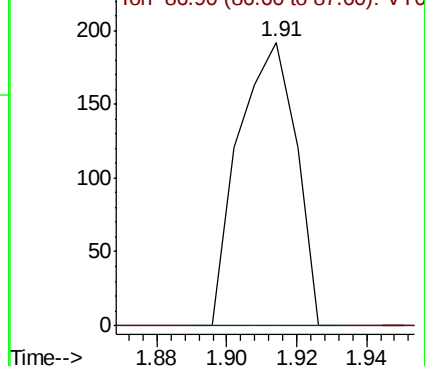
Ion Ratio Lower Upper

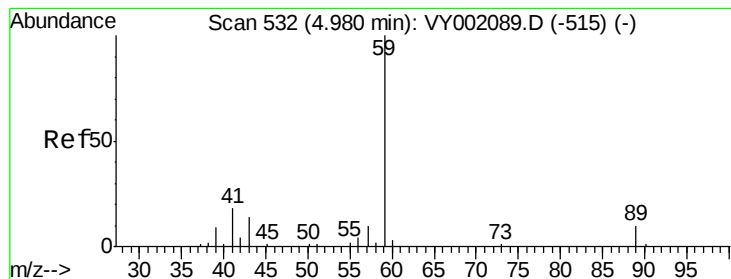
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002168.D (-1) (-)





#11

Tert butyl alcohol

Concen: 27.799 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002168.D

Acq: 01 Apr 2020 17:11

Instrument :

MSVOA_Y

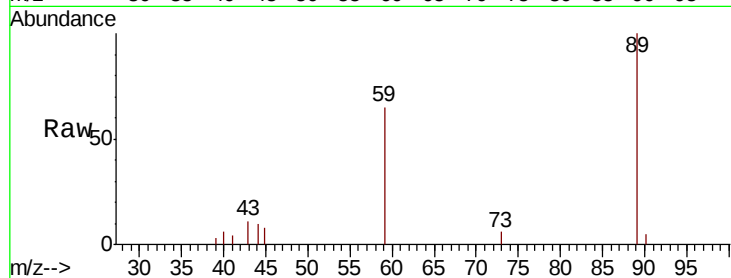
ClientSampled :

Tot Ion: 59 Resp: 4155

Ion Ratio Lower Upper

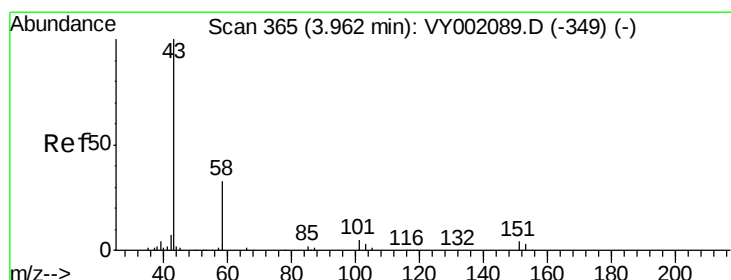
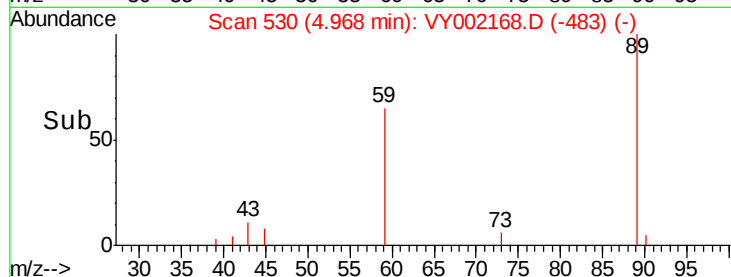
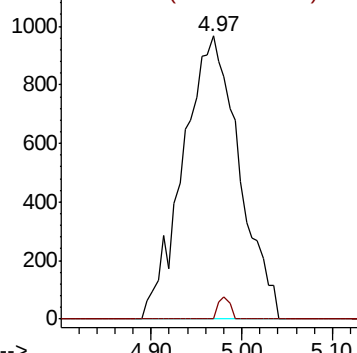
59 100

57 1.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#16

Acetone

Concen: 9.788 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002168.D

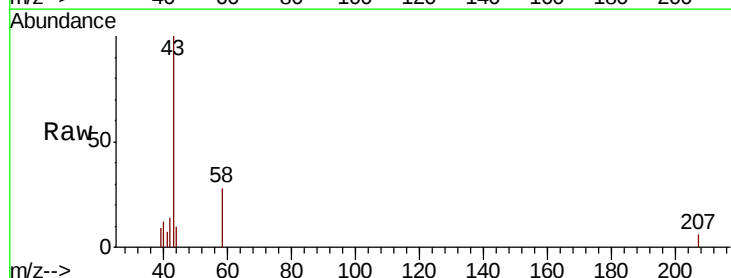
Acq: 01 Apr 2020 17:11

Tgt Ion: 43 Resp: 3488

Ion Ratio Lower Upper

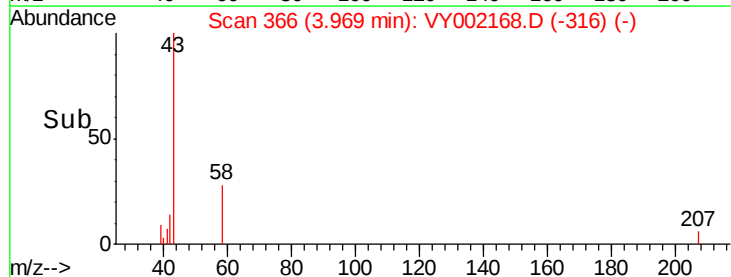
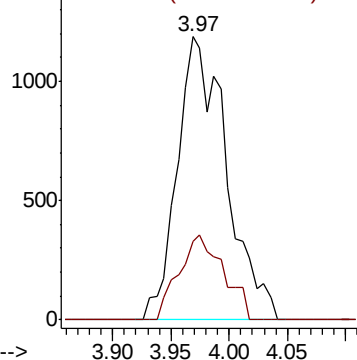
43 100

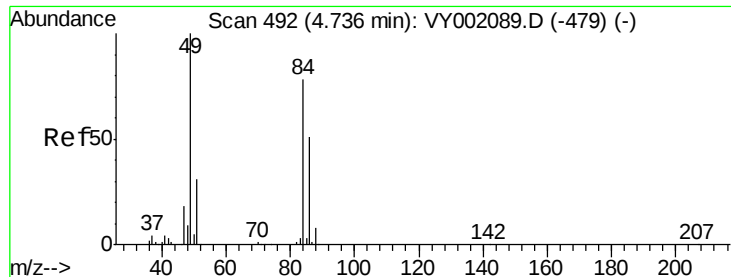
58 27.8 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

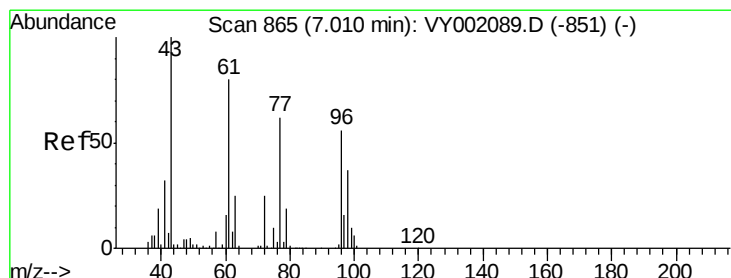
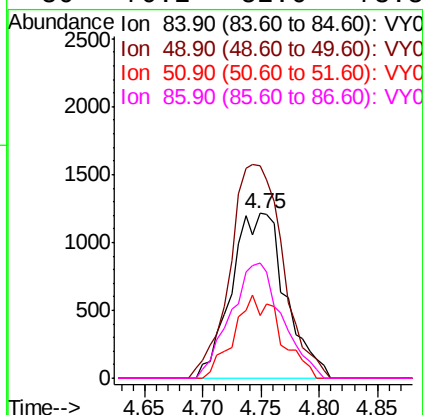
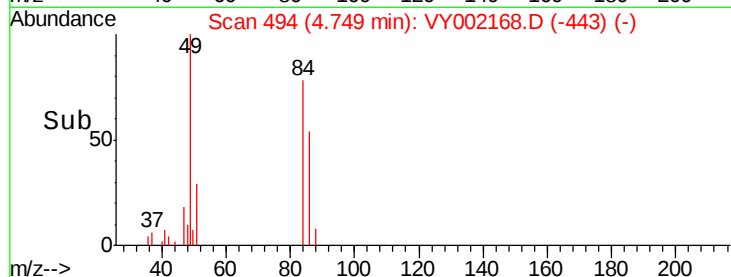
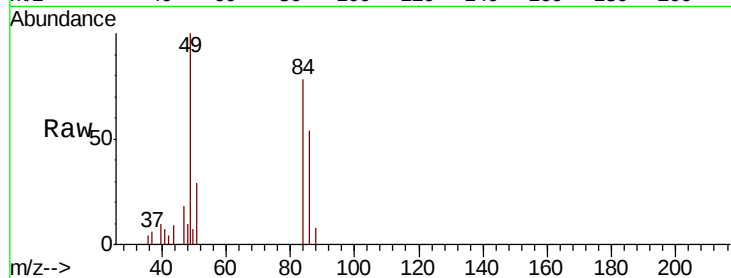




#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002168.D
Acq: 01 Apr 2020 17:11

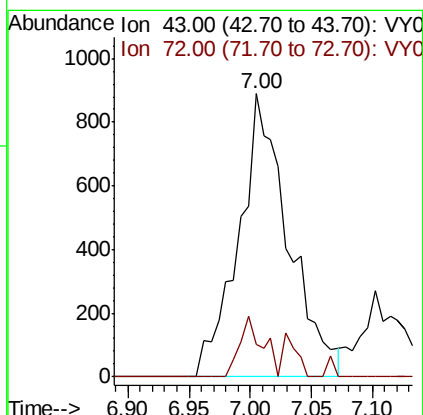
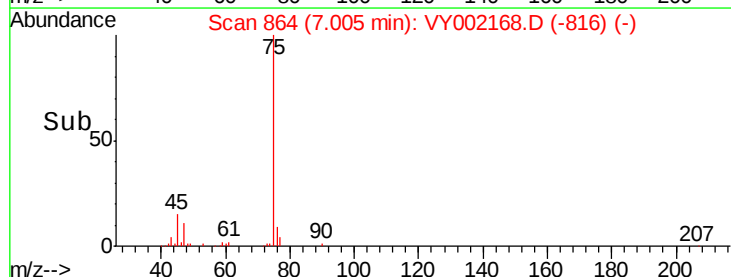
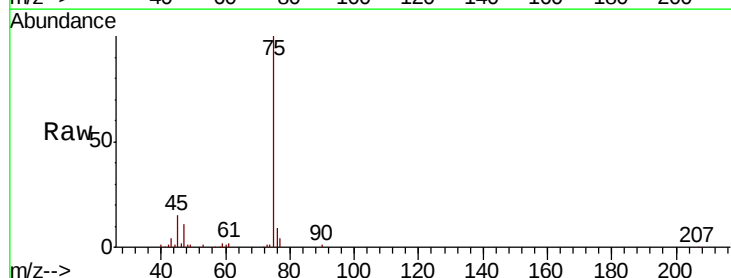
Instrument :
MSVOA_Y
ClientSampleId :

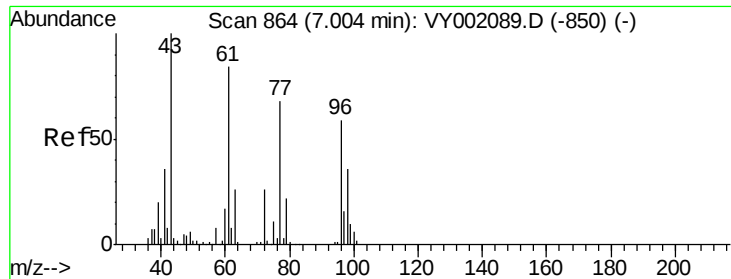
Tot Ion:	84	Resp:	3920
Ion	Ratio	Lower	Upper
84	100		
49	129.0	102.2	153.4
51	37.8	31.2	46.8
86	70.2	52.6	78.8



#25
2-Butanone
Concen: 4.593 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002168.D
Acq: 01 Apr 2020 17:11

Tgt Ion:	43	Resp:	2513
Ion	Ratio	Lower	Upper
43	100		
72	11.5	20.2	30.2#

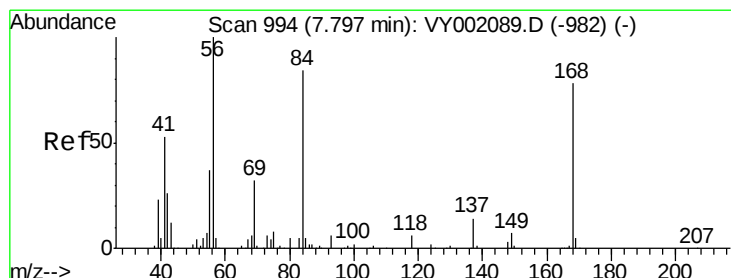
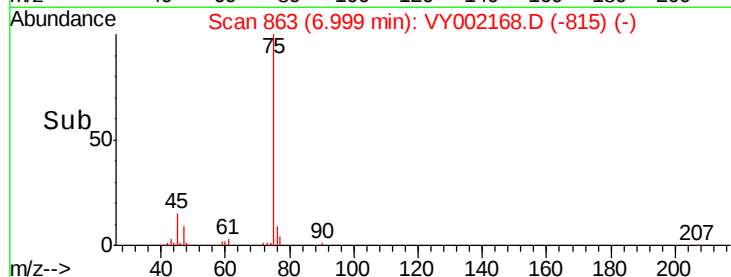
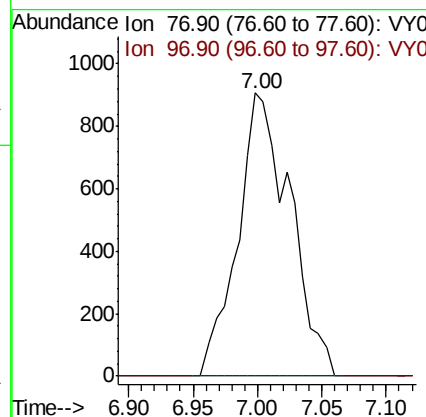
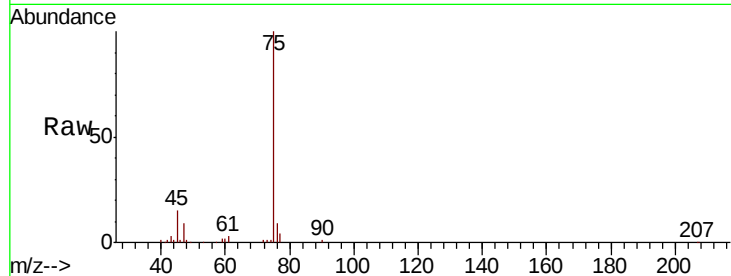




#26
 2,2-Dichloropropane
 Concen: 1.253 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY002168.D
 Acq: 01 Apr 2020 17:11

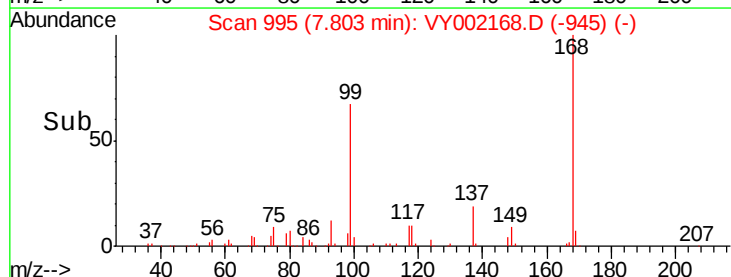
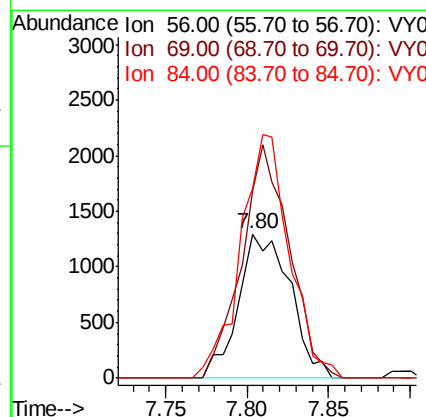
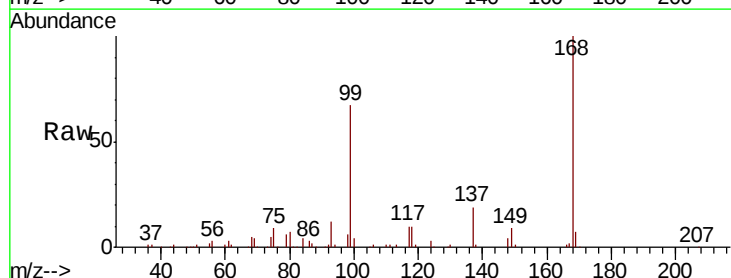
Instrument :
 MSVOA_Y
 ClientSampleId :

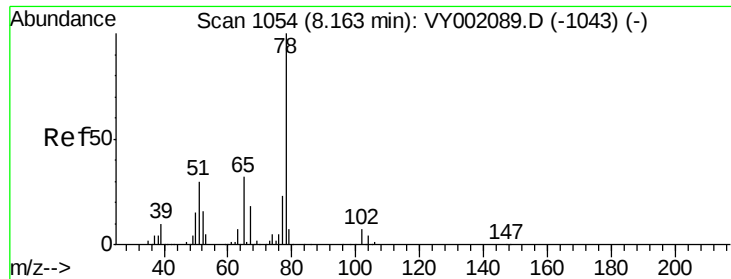
Tot Ion: 77 Resp: 2560
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.1#



#31
 Cyclohexane
 Concen: 1.077 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VY002168.D
 Acq: 01 Apr 2020 17:11

Tgt Ion: 56 Resp: 2846
 Ion Ratio Lower Upper
 56 100
 69 130.2 25.8 38.8#
 84 132.3 67.1 100.7#

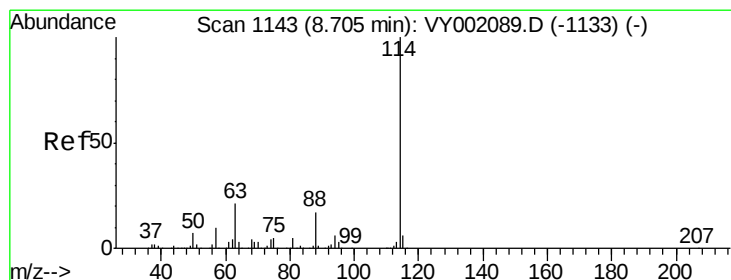
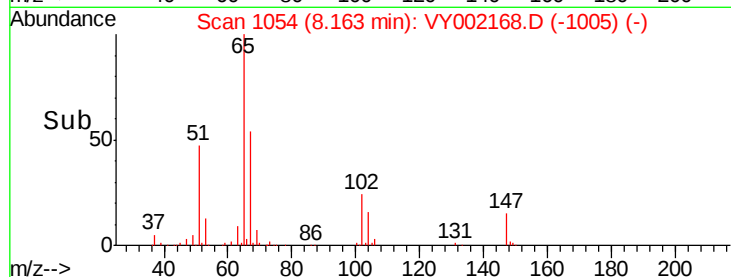
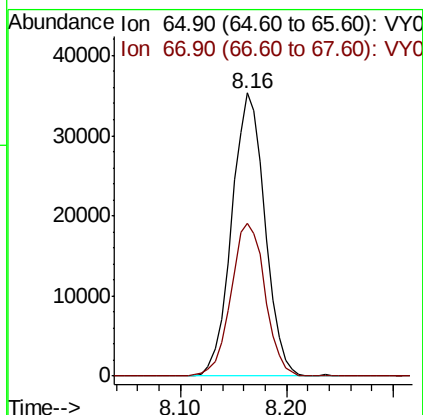
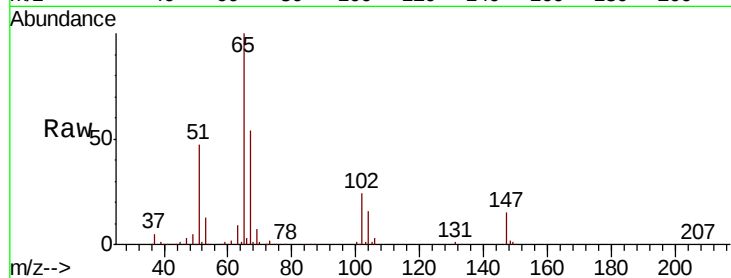




#33
 1,2-Dichloroethane-d4
 Concen: 60.849 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY002168.D
 Acq: 01 Apr 2020 17:11

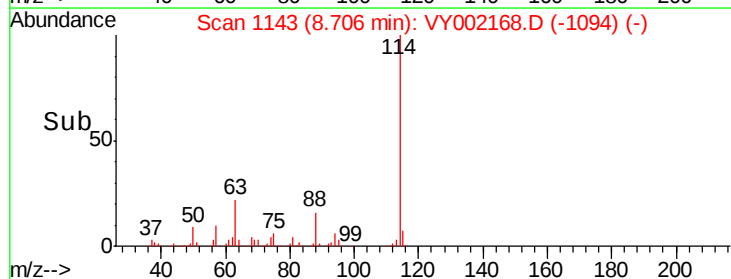
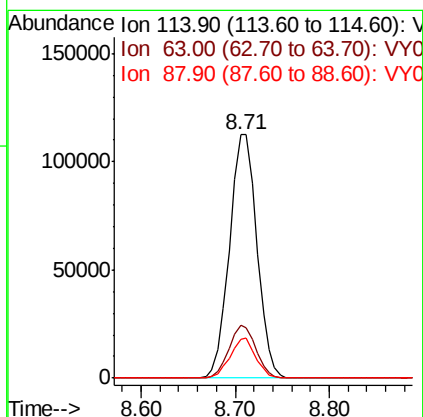
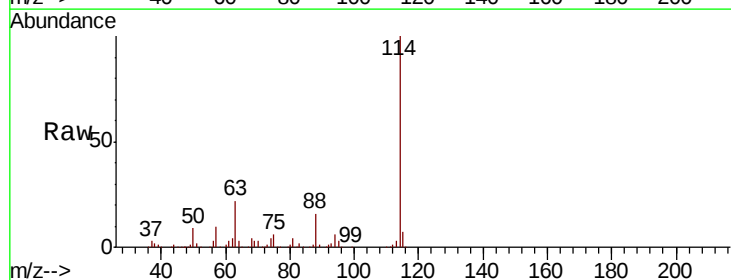
Instrument :
 MSVOA_Y
 ClientSampleId :

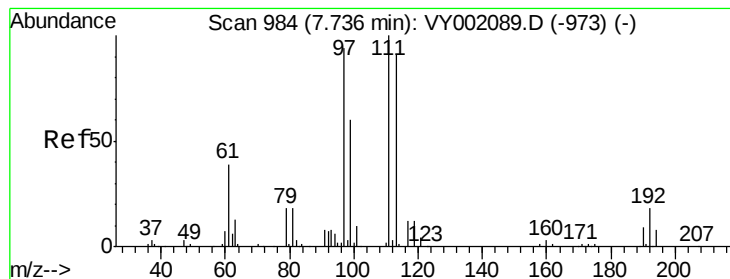
Tot Ion: 65 Resp: 77178
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002168.D
 Acq: 01 Apr 2020 17:11

Tgt Ion: 114 Resp: 227749
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.4
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 54.276 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002168.D

Acq: 01 Apr 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :

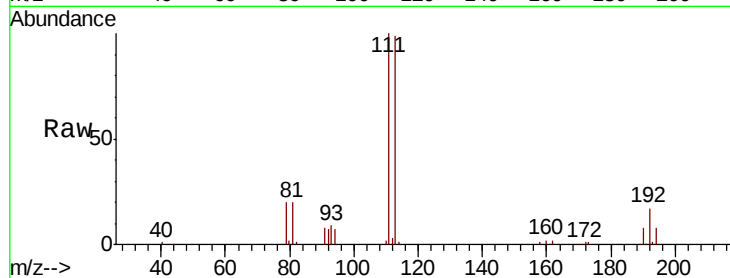
Tot Ion:113 Resp: 69262

Ion Ratio Lower Upper

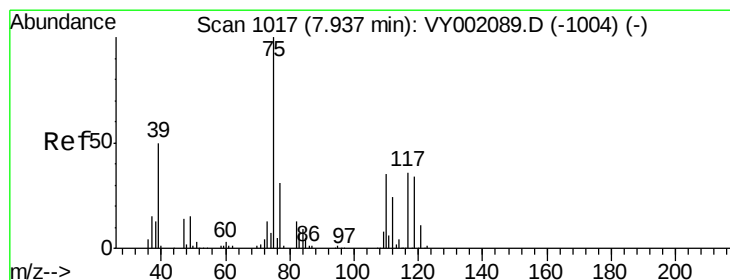
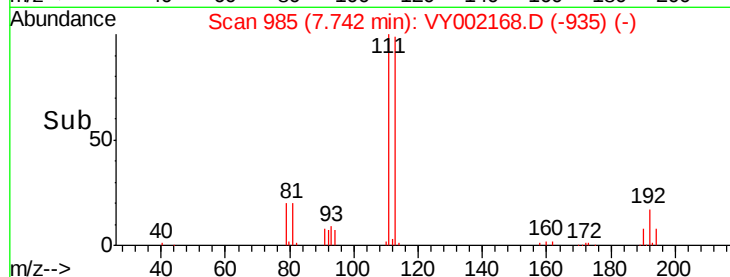
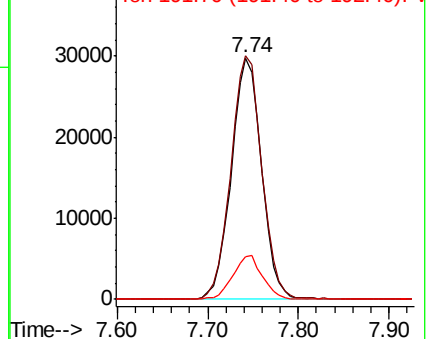
113 100

111 103.3 84.4 126.6

192 17.8 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: 4.748 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002168.D

Acq: 01 Apr 2020 17:11

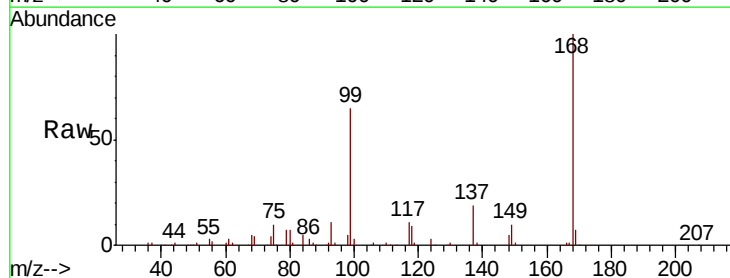
Tgt Ion: 75 Resp: 10227

Ion Ratio Lower Upper

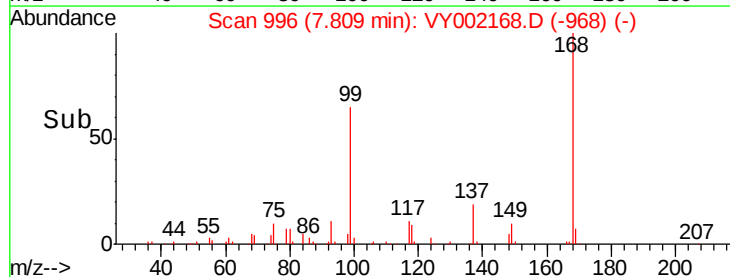
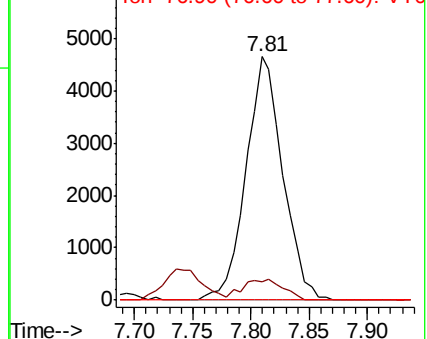
75 100

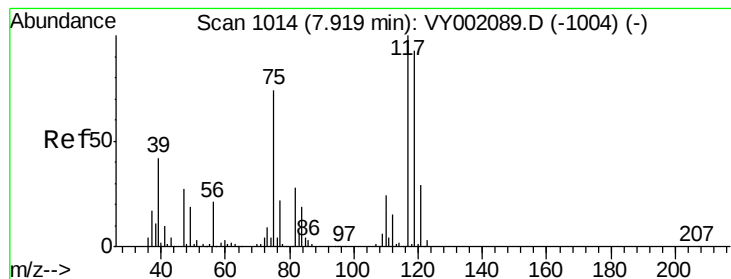
110 9.3 17.2 51.6#

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: 6.470 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002168.D

Acq: 01 Apr 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

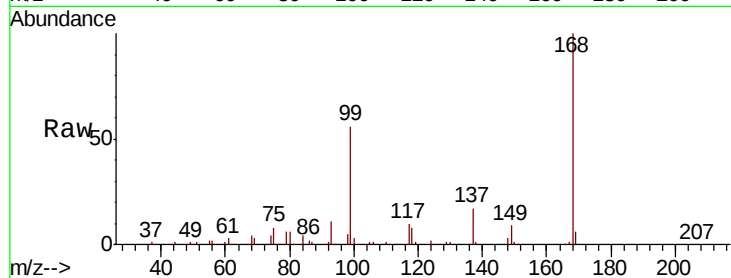
Tot Ion:117 Resp: 11825

Ion Ratio Lower Upper

117 100

119 5.4 74.3 111.5#

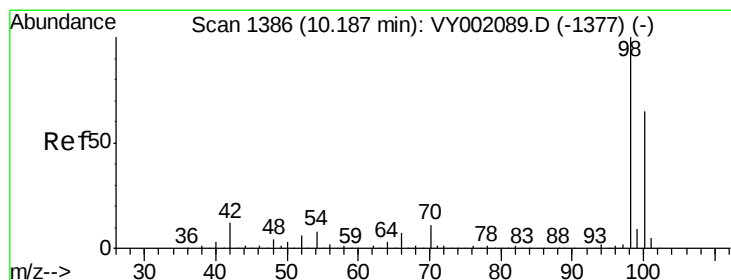
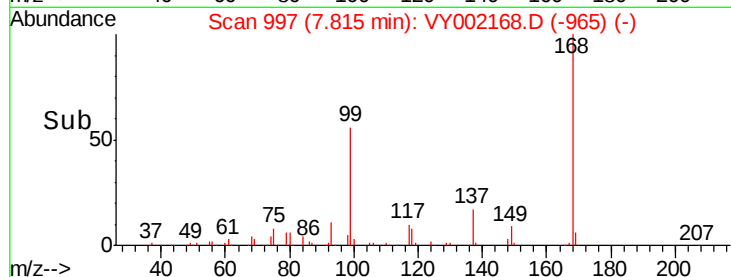
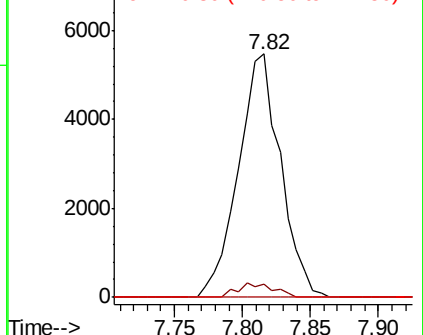
121 0.0 23.3 34.9#



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: 52.586 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002168.D

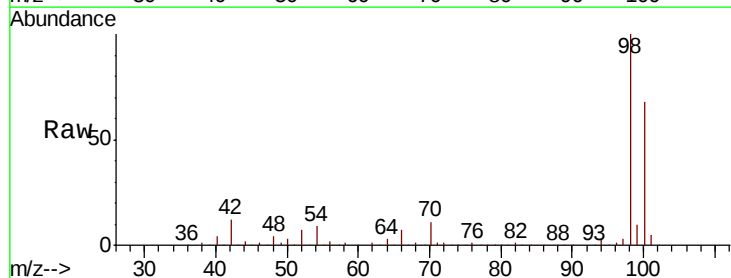
Acq: 01 Apr 2020 17:11

Tgt Ion: 98 Resp: 278773

Ion Ratio Lower Upper

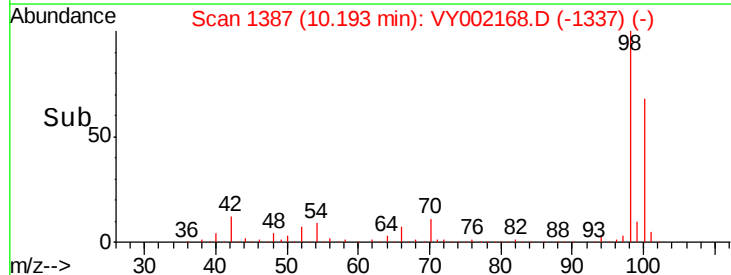
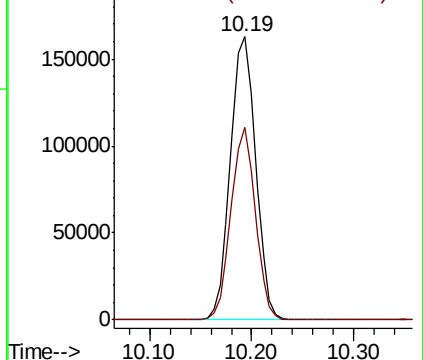
98 100

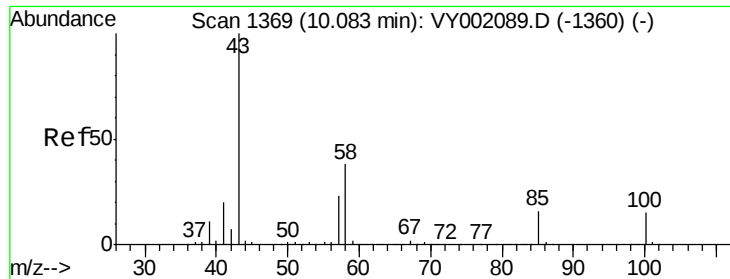
100 65.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

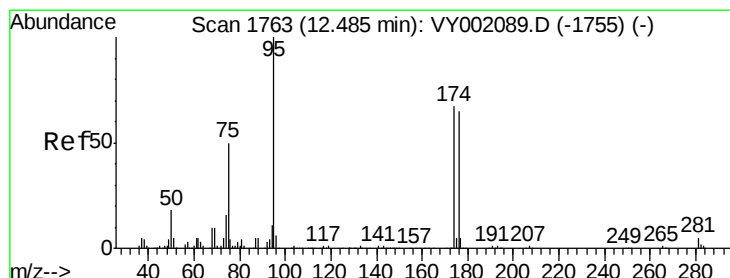
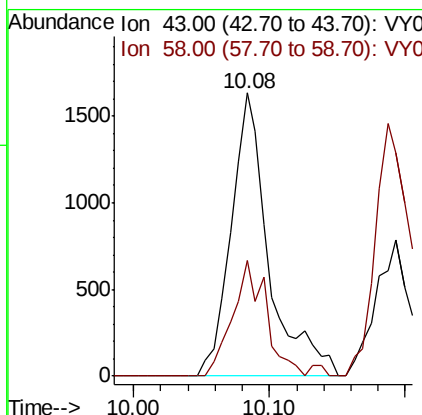
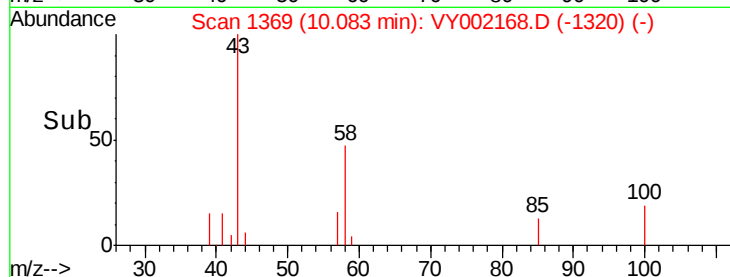
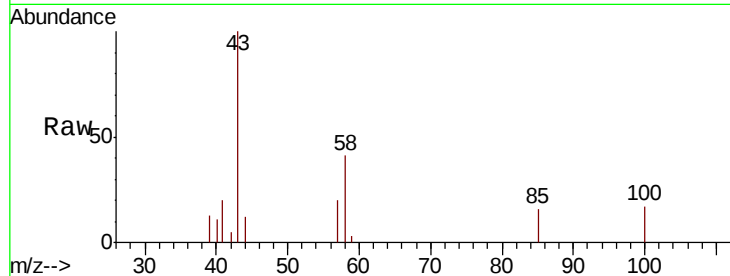




#51
4-Methyl-2-Pentanone
Concen: 2.529 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002168.D
Acq: 01 Apr 2020 17:11

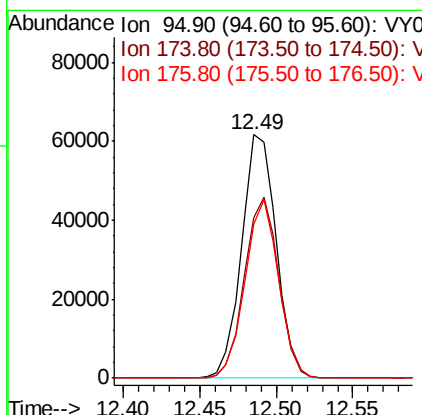
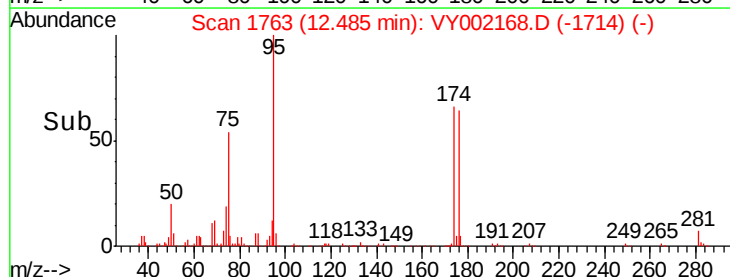
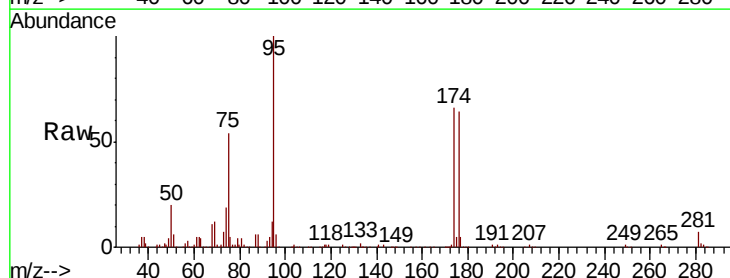
Instrument :
MSVOA_Y
ClientSampleId :

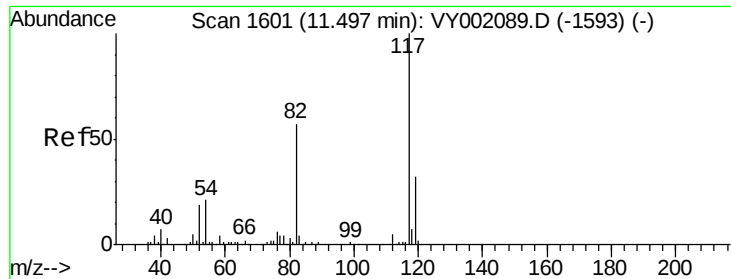
Tot Ion: 43 Resp: 3146
Ion Ratio Lower Upper
43 100
58 36.5 31.6 47.4



#62
4-Bromofluorobenzene
Concen: 52.150 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002168.D
Acq: 01 Apr 2020 17:11

Tgt Ion: 95 Resp: 96687
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.4
176 71.3 0.0 137.0

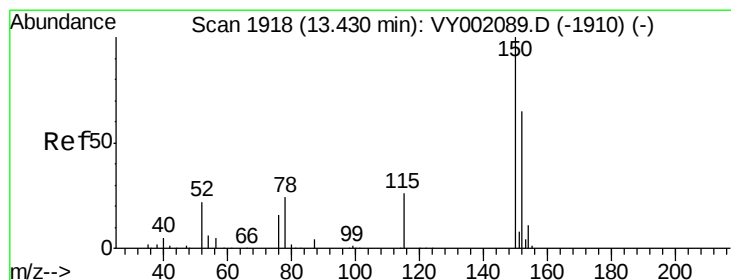
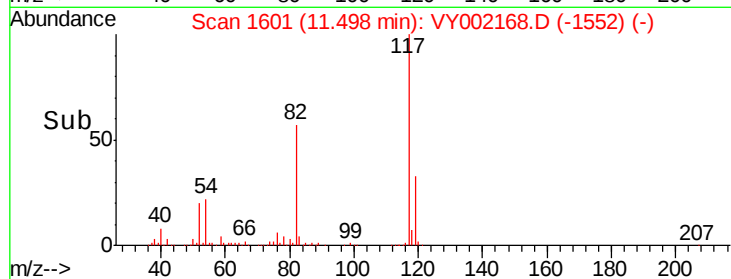
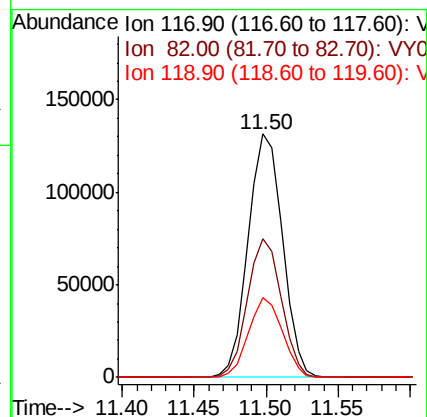
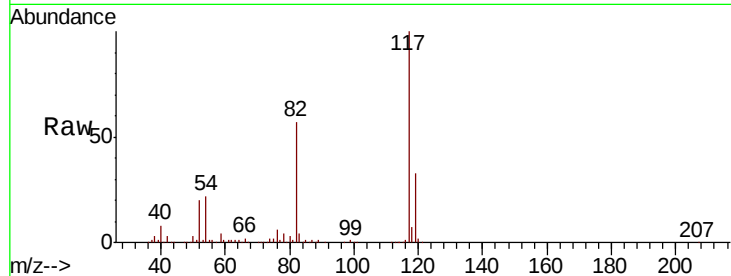




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002168.D
Acq: 01 Apr 2020 17:11

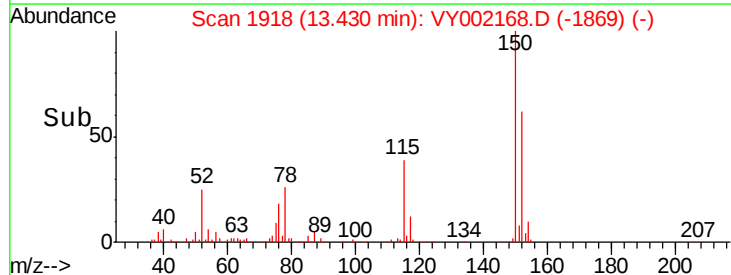
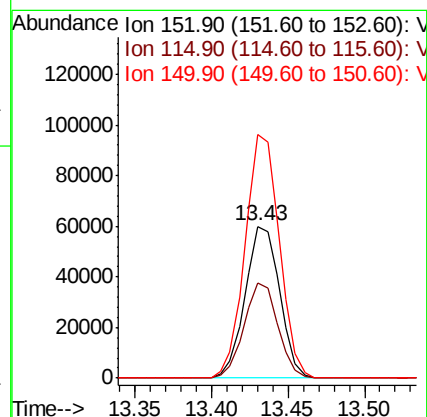
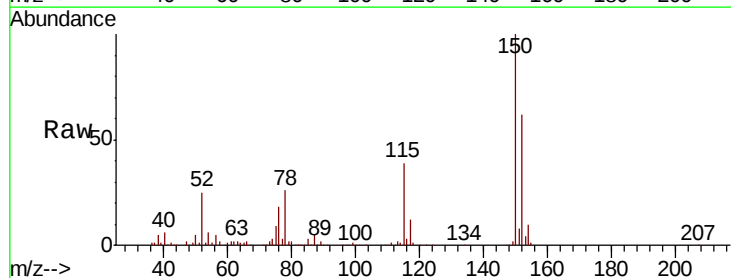
Instrument :
MSVOA_Y
ClientSampleId :

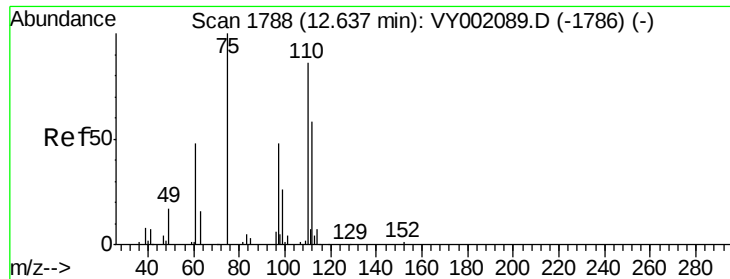
Tot Ion:117 Resp: 217066
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.2
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002168.D
Acq: 01 Apr 2020 17:11

Tgt Ion:152 Resp: 93878
Ion Ratio Lower Upper
152 100
115 61.6 31.2 93.6
150 159.7 0.0 354.8

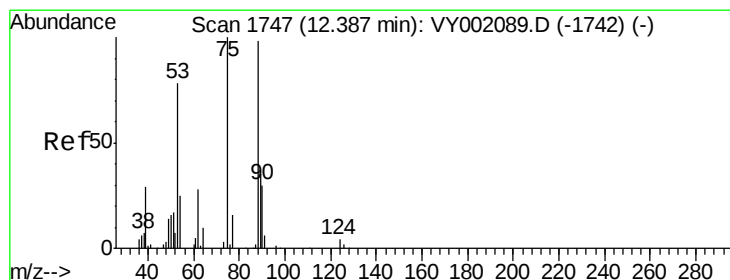
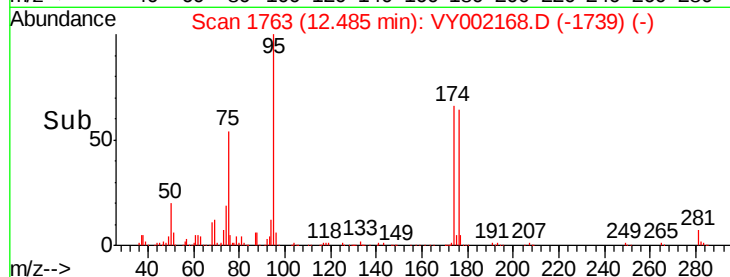
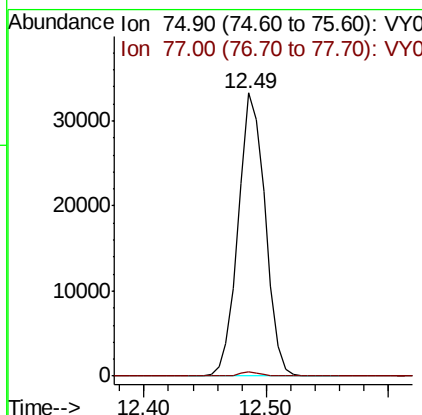
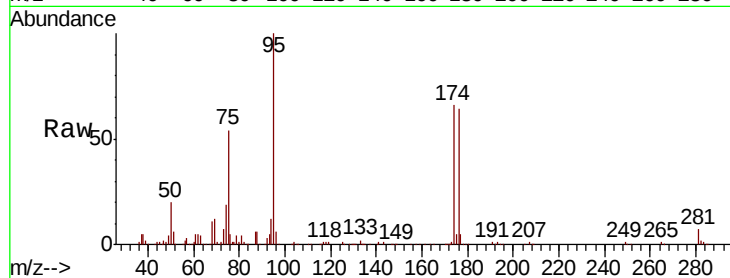




#76
 1,2,3-Trichloropropane
 Concen: 48.223 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002168.D
 Acq: 01 Apr 2020 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 50640
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.426 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002168.D
 Acq: 01 Apr 2020 17:11

Tgt Ion: 75 Resp: 50640
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.0 97.4#
 89 0.1 33.4 50.0#

