

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002227.D
 Acq On : 06 Apr 2020 11:21
 Operator : SY/MD
 Sample : VY0406SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:22:12 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	7.81	168	135699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	106558	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	83262	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
35) Dibromofluoromethane	7.74	113	80244	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
50) Toluene-d8	10.19	98	326583	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.49	95	114392	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	

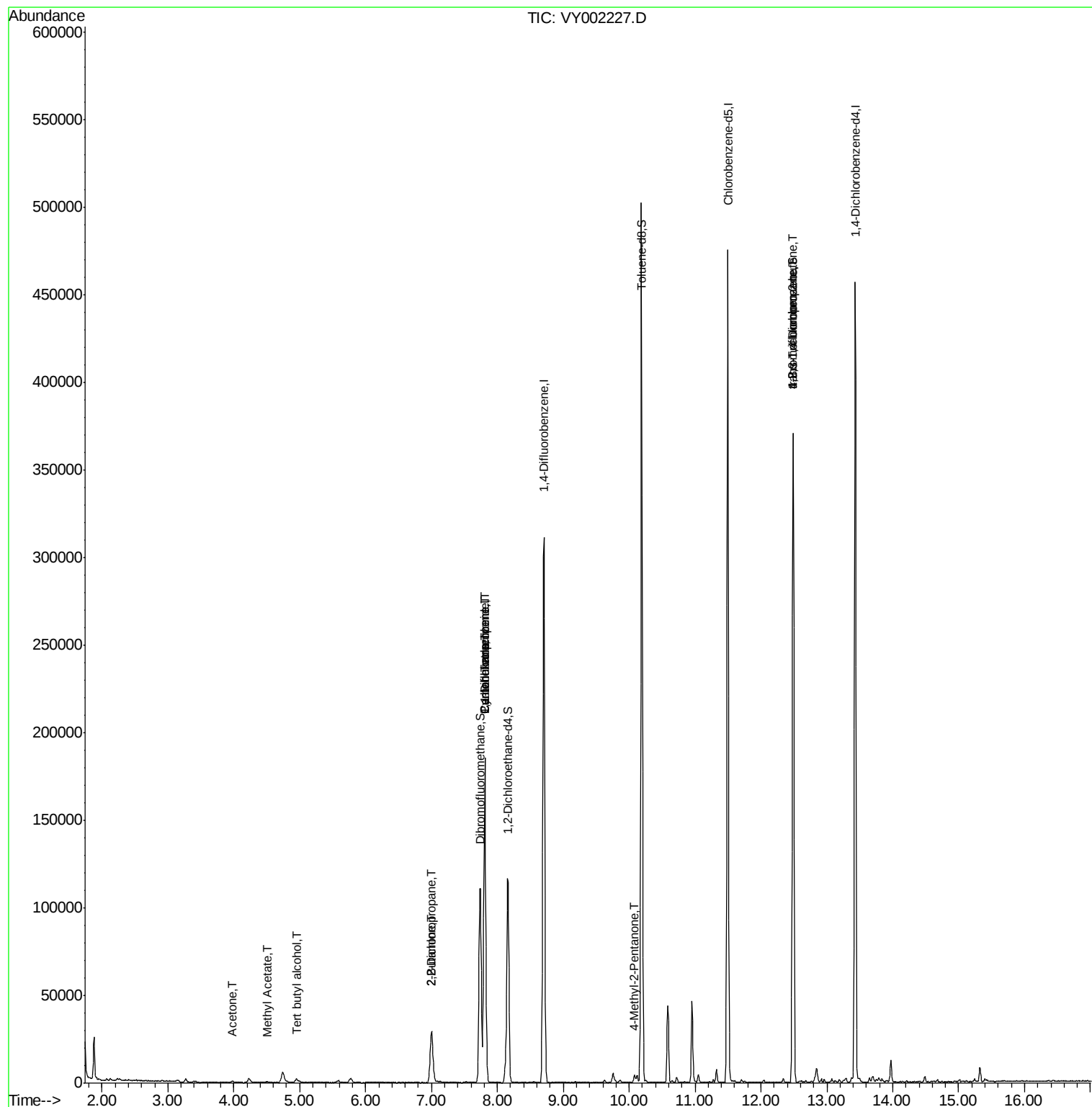
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	546	Below Cal		99
11) Tert butyl alcohol	4.96	59	2557	14.464	ug/l #	74
16) Acetone	3.97	43	1663	3.946	ug/l #	85
18) Methyl Acetate	4.51	43	1340	1.224	ug/l #	87
20) Methylene Chloride	4.74	84	4213	Below Cal	#	78
25) 2-Butanone	7.00	43	1817	2.808	ug/l #	76
26) 2,2-Dichloropropane	7.00	77	2525	1.045	ug/l #	52
31) Cyclohexane	7.82	56	3303	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11722	4.623	ug/l #	49
38) Carbon Tetrachloride	7.81	117	13995	6.505	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	3465	2.366	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	57071	47.880	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57071	92.761	ug/l #	17

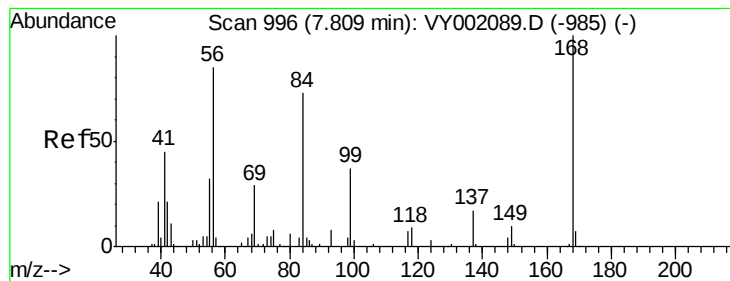
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002227.D

Acq: 06 Apr 2020 11:21

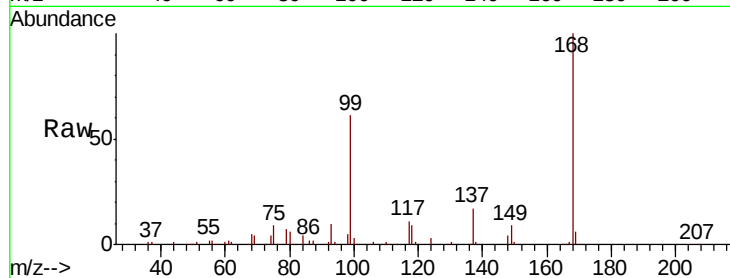
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 135699

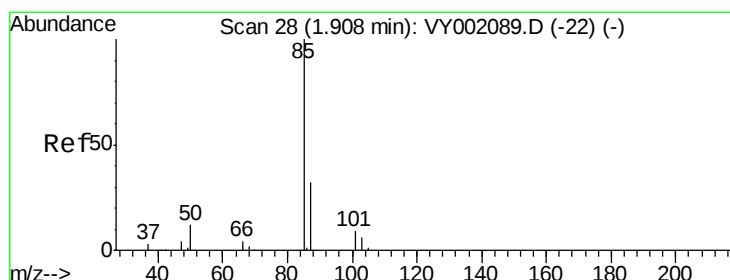
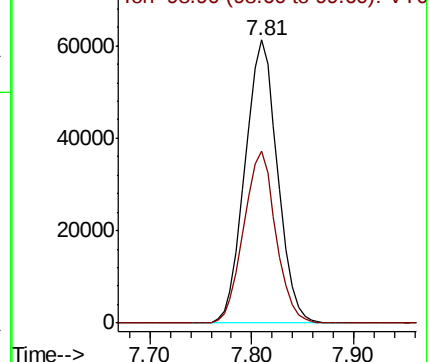
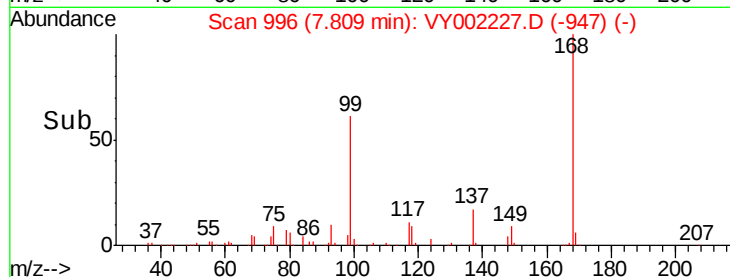
Ion Ratio Lower Upper

168 100

99 60.8 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002227.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002227.D

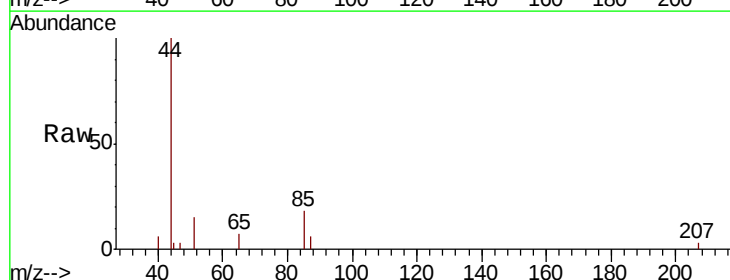
Acq: 06 Apr 2020 11:21

Tgt Ion: 85 Resp: 546

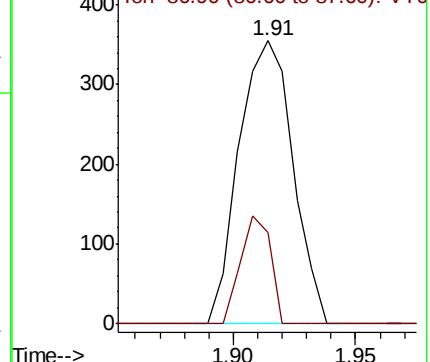
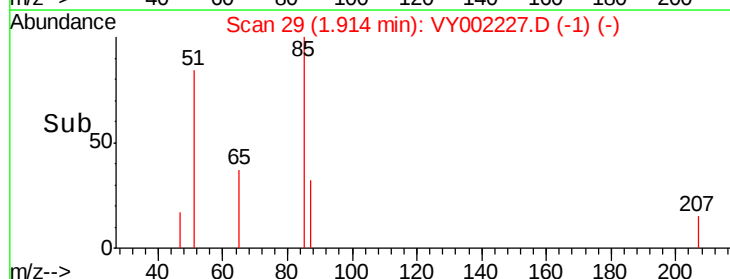
Ion Ratio Lower Upper

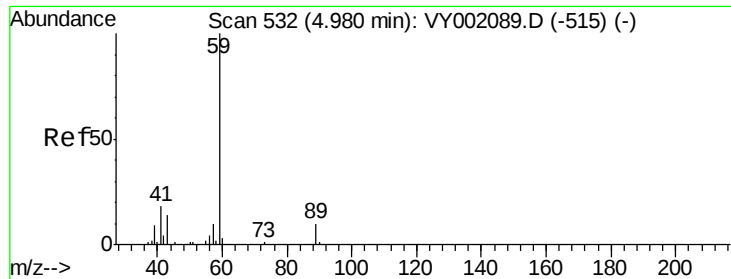
85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002227.D (-1) (-)

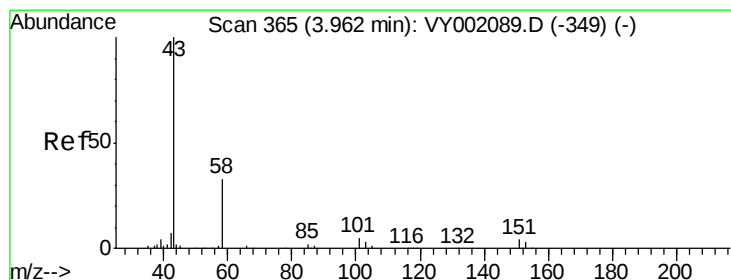
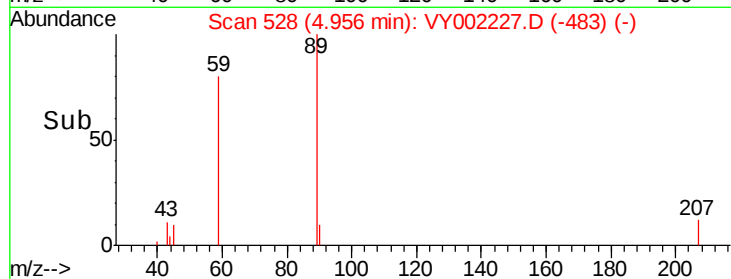
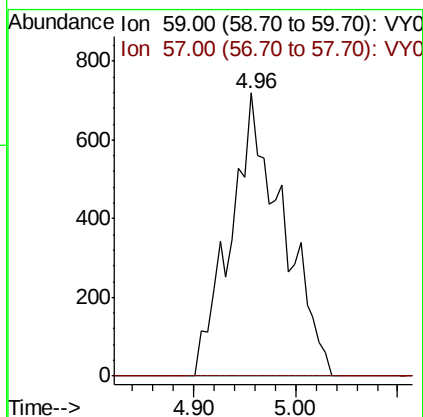
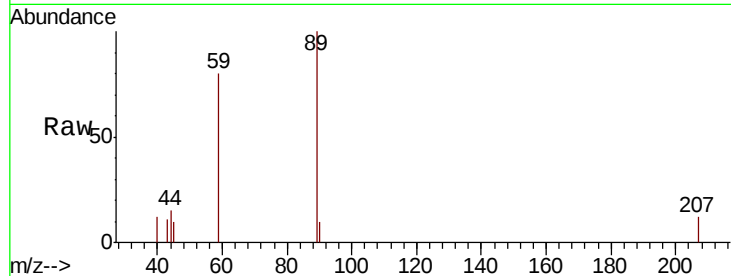




#11
Tert butyl alcohol
Concen: 14.464 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.02 min
Lab File: VY002227.D
Acq: 06 Apr 2020 11:21

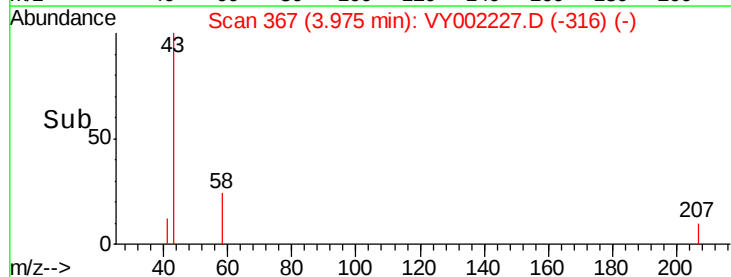
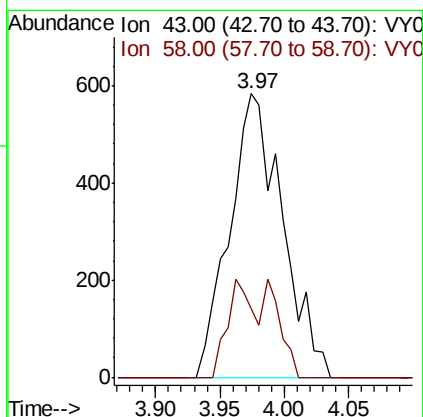
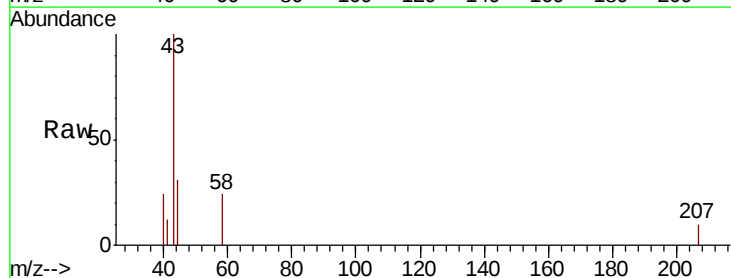
Instrument :
MSVOA_Y
ClientSampled :

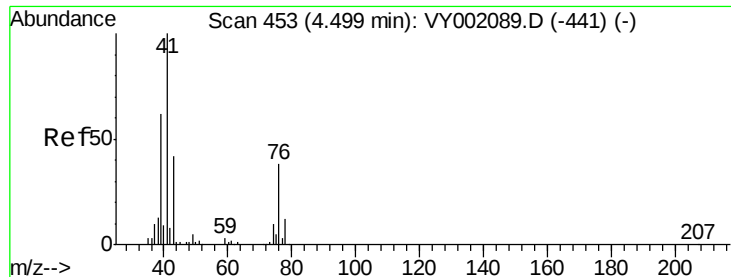
Tot Ion: 59 Resp: 2557
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 3.946 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VY002227.D
Acq: 06 Apr 2020 11:21

Tgt Ion: 43 Resp: 1663
Ion Ratio Lower Upper
43 100
58 24.2 26.3 39.5#

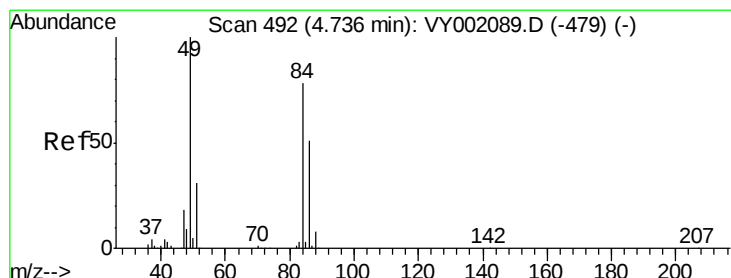
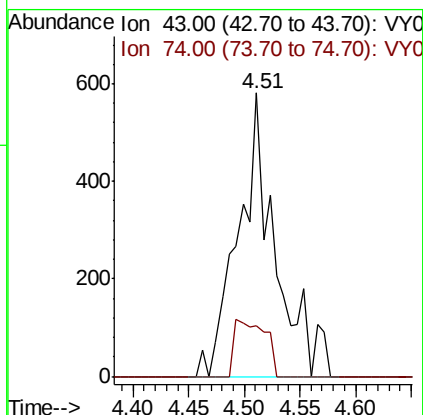
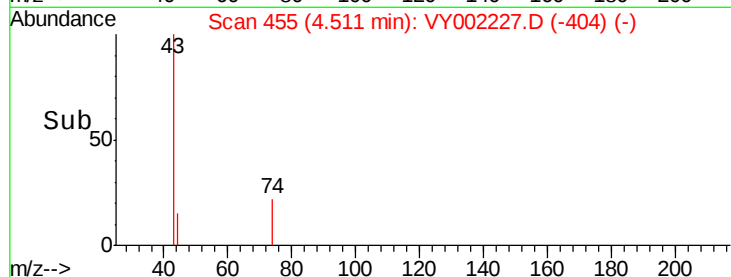
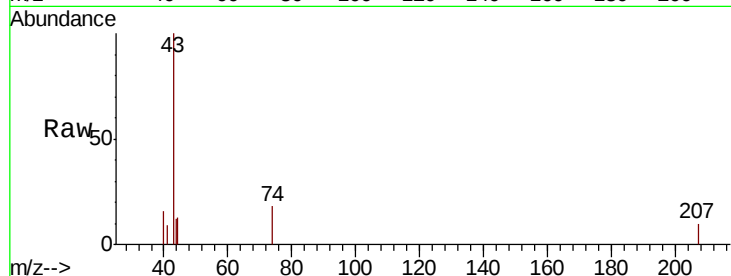




#18
Methyl Acetate
Concen: 1.224 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY002227.D
Acq: 06 Apr 2020 11:21

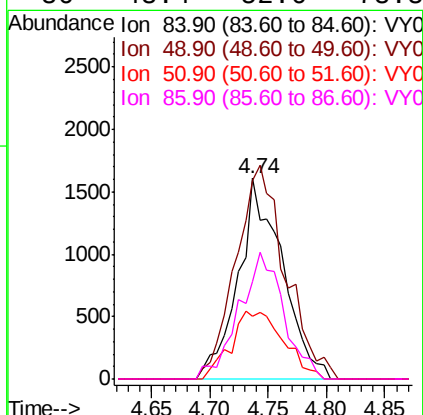
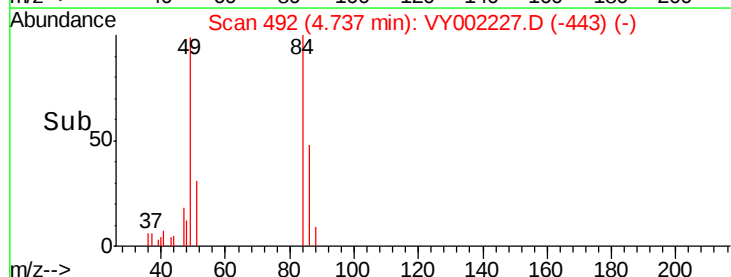
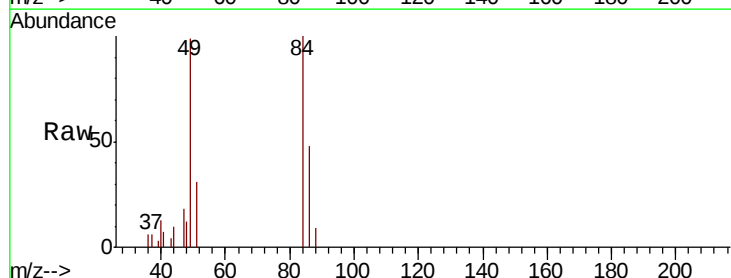
Instrument :
MSVOA_Y
ClientSampleId :

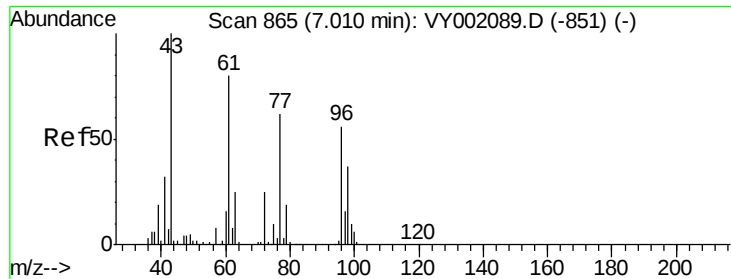
Tot Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
74 16.8 18.3 27.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002227.D
Acq: 06 Apr 2020 11:21

Tgt Ion: 84 Resp: 4213
Ion Ratio Lower Upper
84 100
49 98.9 102.2 153.4#
51 31.1 31.2 46.8#
86 48.4 52.6 78.8#





#25

2-Butanone

Concen: 2.808 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002227.D

Acq: 06 Apr 2020 11:21

Instrument :

MSVOA_Y

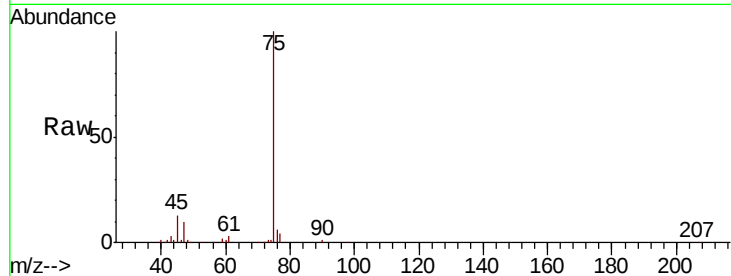
ClientSampleId :

Tot Ion: 43 Resp: 1817

Ion Ratio Lower Upper

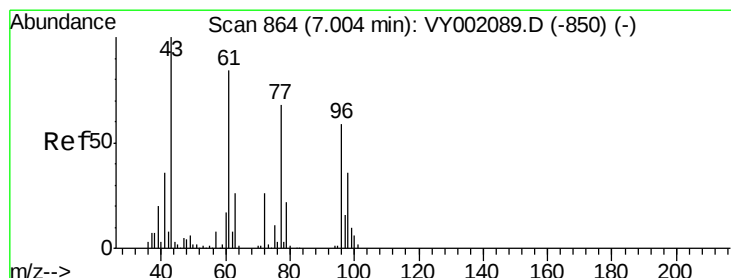
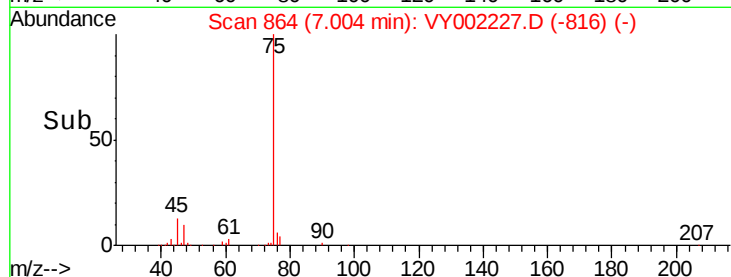
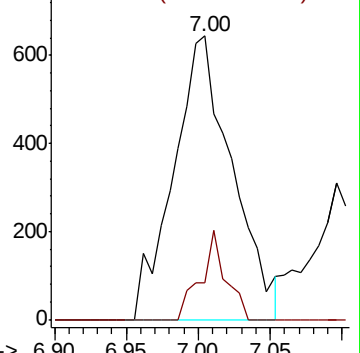
43 100

72 13.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.045 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002227.D

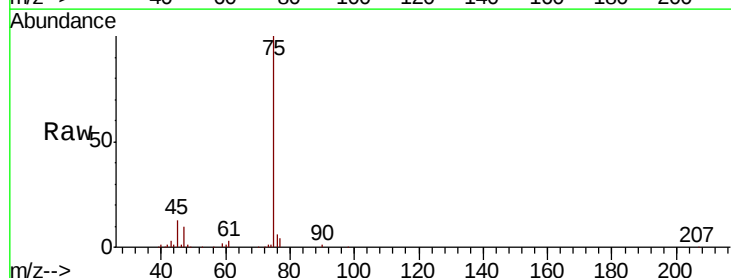
Acq: 06 Apr 2020 11:21

Tgt Ion: 77 Resp: 2525

Ion Ratio Lower Upper

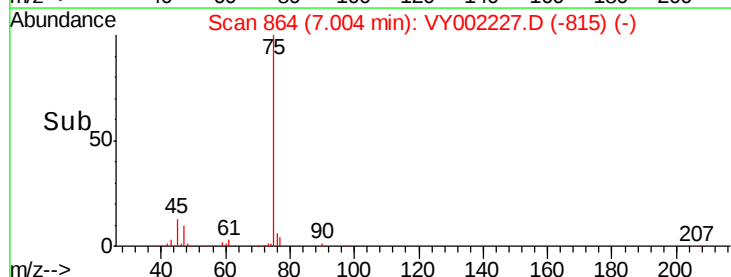
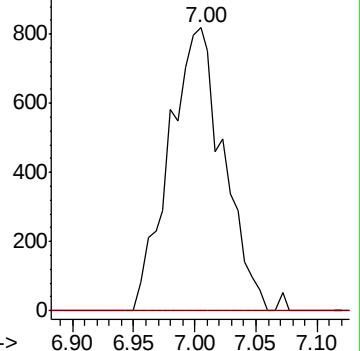
77 100

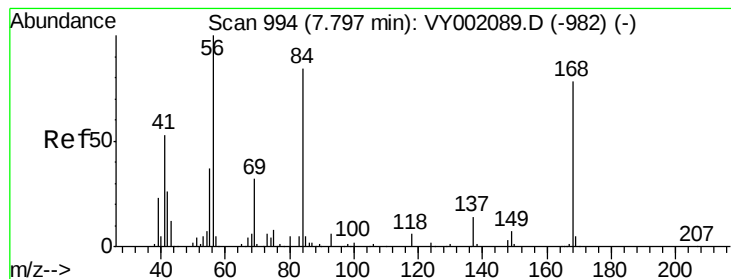
97 0.0 11.7 35.1#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#31

Cyclohexane

Concen: 1.057 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002227.D

Acq: 06 Apr 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :

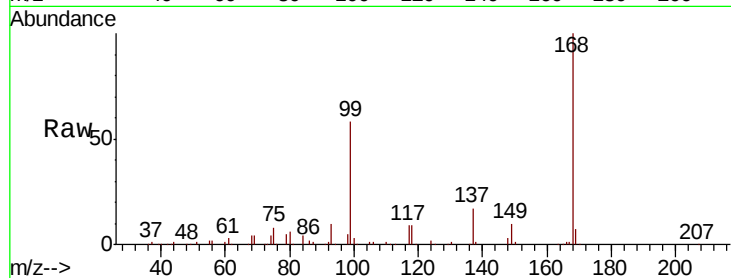
Tot Ion: 56 Resp: 3303

Ion Ratio Lower Upper

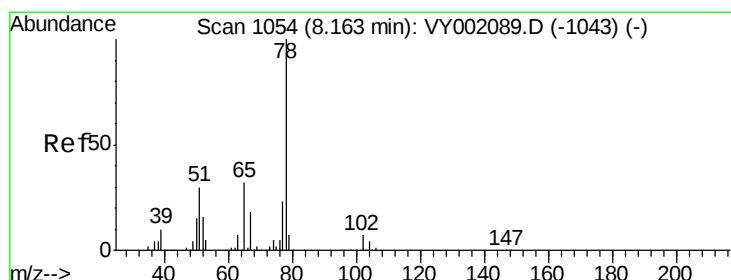
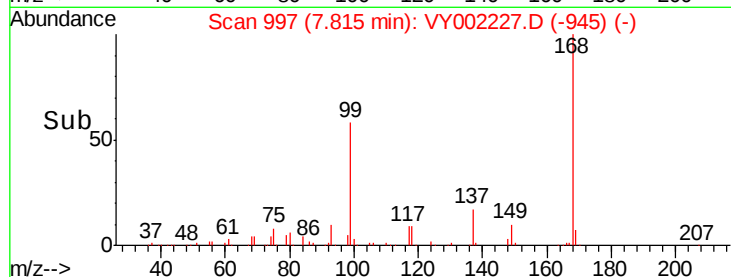
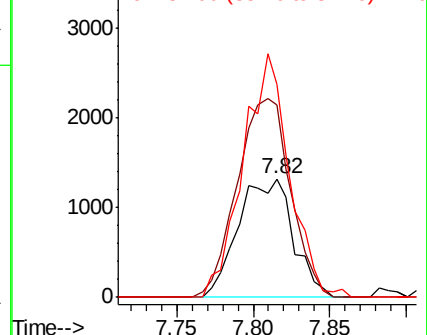
56 100

69 162.6 25.8 38.8#

84 179.0 67.1 100.7#



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: 55.504 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002227.D

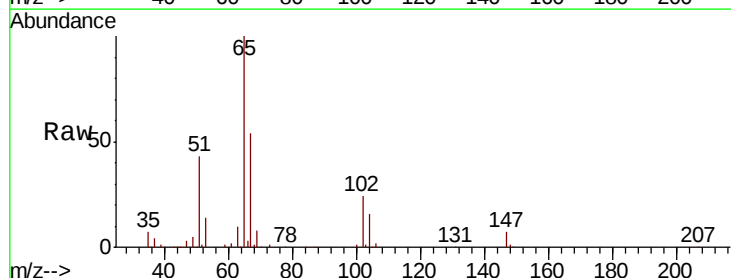
Acq: 06 Apr 2020 11:21

Tgt Ion: 65 Resp: 83262

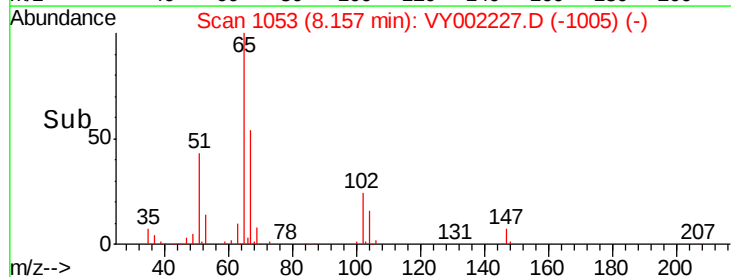
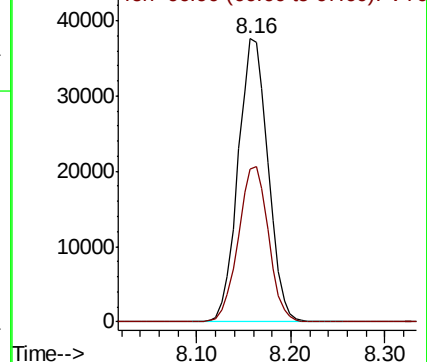
Ion Ratio Lower Upper

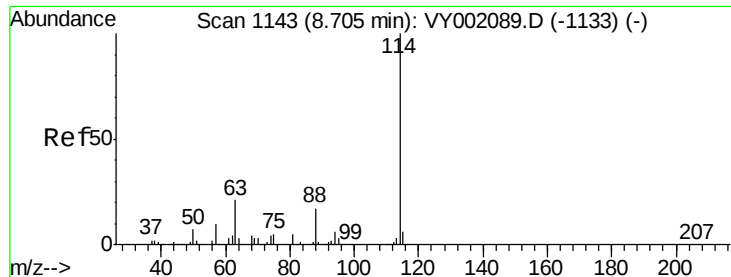
65 100

67 55.0 0.0 112.8



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

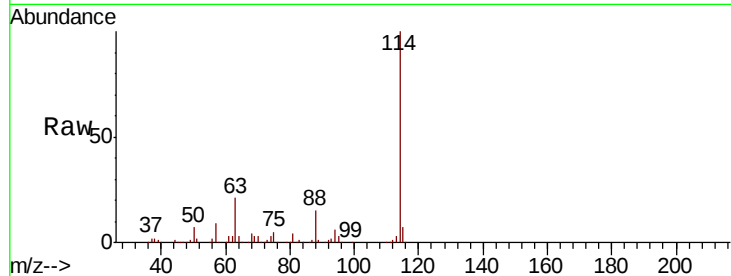




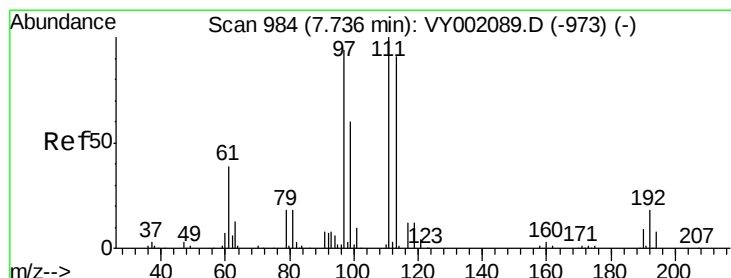
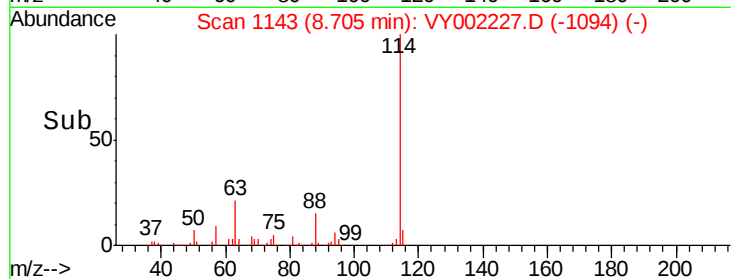
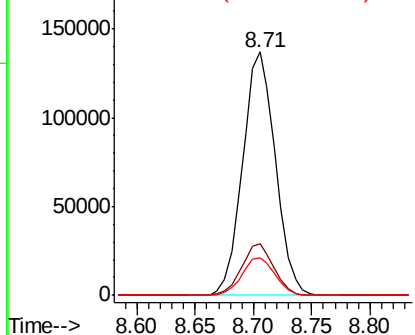
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002227.D
 Acq: 06 Apr 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.4
88	15.2	0.0	33.0

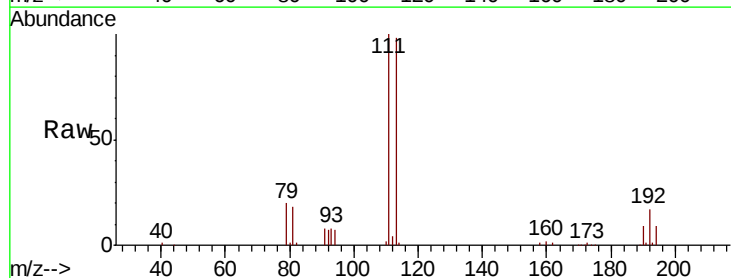


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

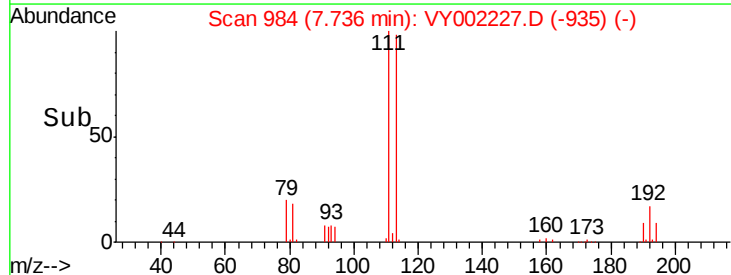
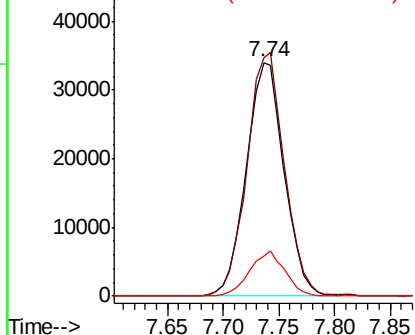


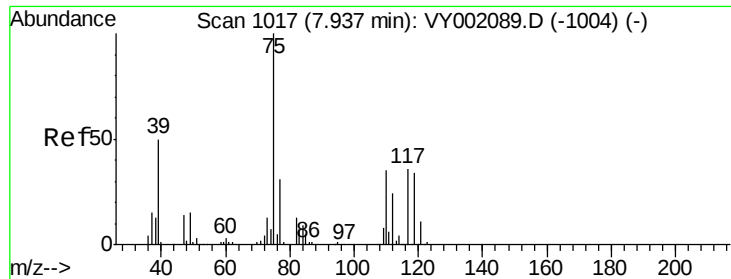
#35
 Dibromofluoromethane
 Concen: 53.422 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002227.D
 Acq: 06 Apr 2020 11:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	84.4	126.6
192	18.1	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

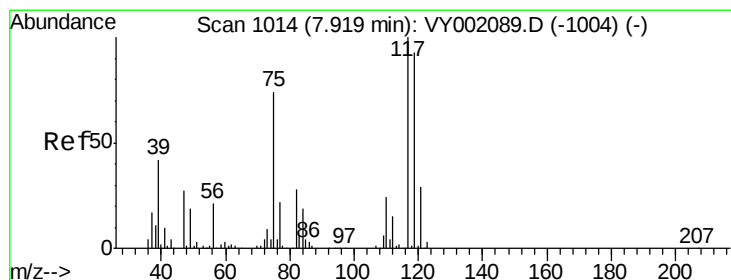
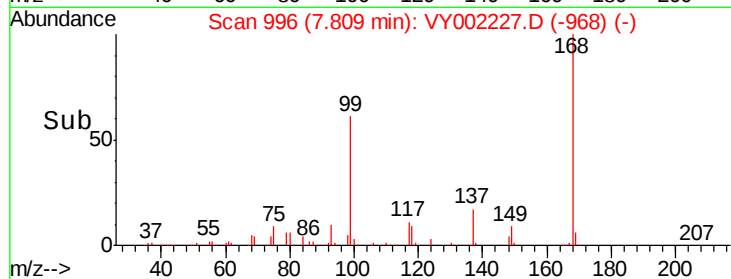
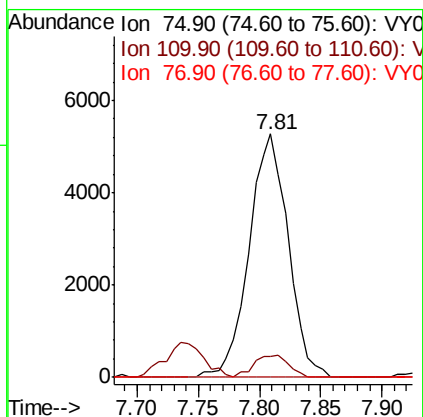
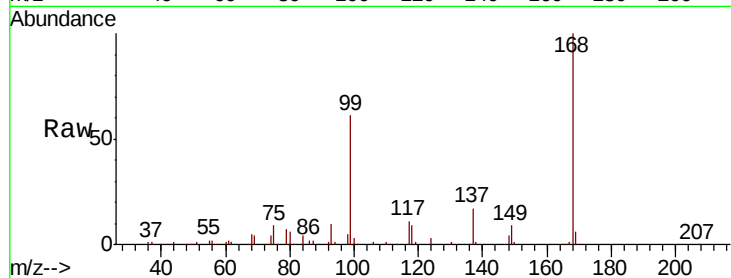




#36
 1,1-Dichloropropene
 Concen: 4.623 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002227.D
 Acq: 06 Apr 2020 11:21

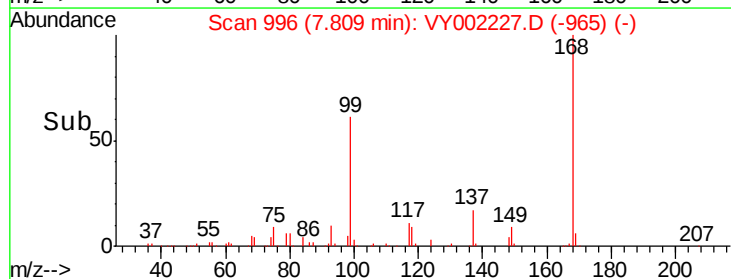
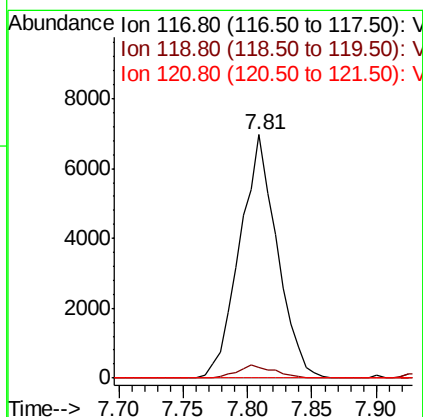
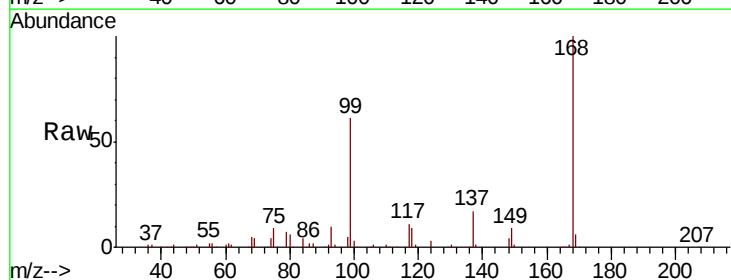
Instrument :
 MSVOA_Y
 ClientSampleId :

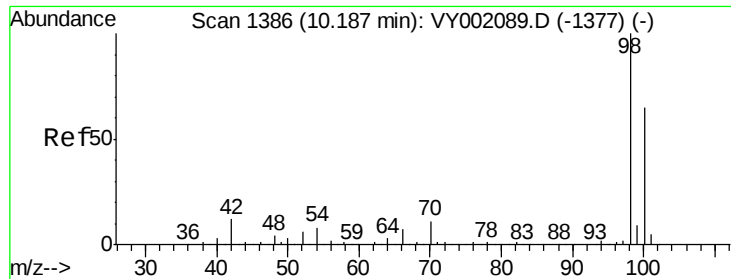
Tot Ion: 75 Resp: 11722
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.2 51.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.505 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY002227.D
 Acq: 06 Apr 2020 11:21

Tgt Ion: 117 Resp: 13995
 Ion Ratio Lower Upper
 117 100
 119 4.4 74.3 111.5#
 121 0.0 23.3 34.9#





#50

Toluene-d8

Concen: 52.337 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002227.D

Acq: 06 Apr 2020 11:21

Instrument :

MSVOA_Y

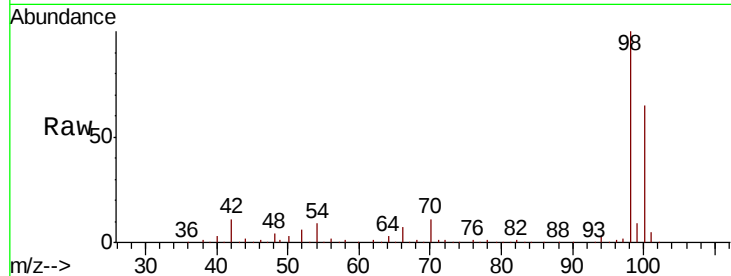
ClientSampleId :

Tot Ion: 98 Resp: 326583

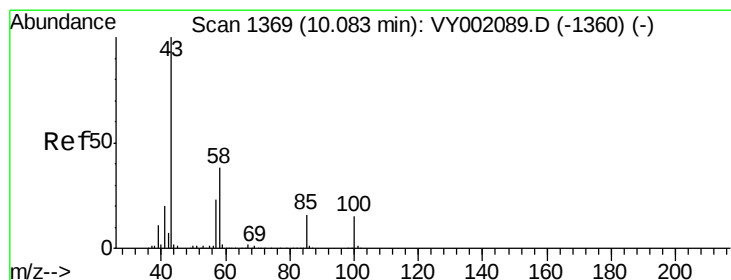
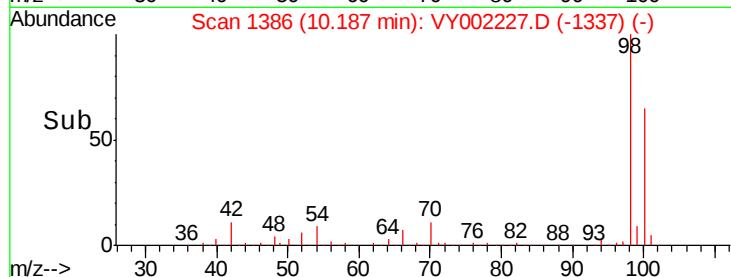
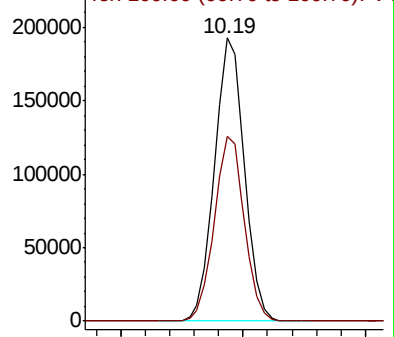
Ion Ratio Lower Upper

98 100

100 65.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002089.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.366 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002227.D

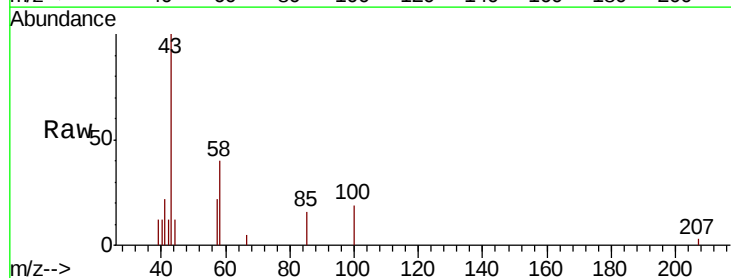
Acq: 06 Apr 2020 11:21

Tgt Ion: 43 Resp: 3465

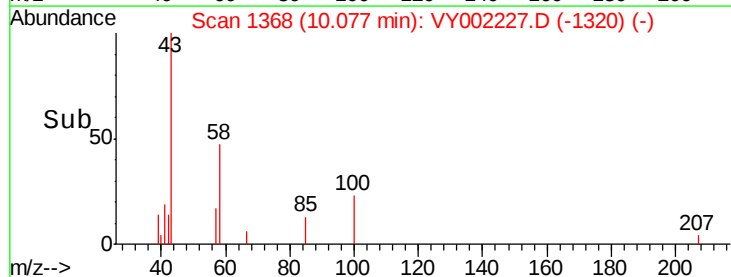
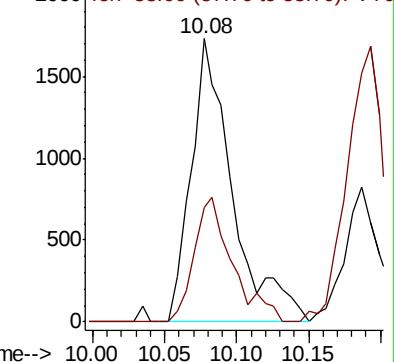
Ion Ratio Lower Upper

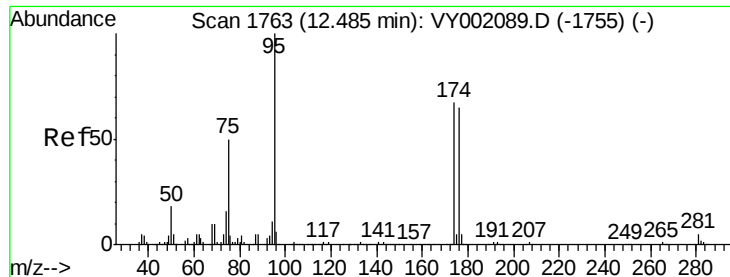
43 100

58 40.7 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-1360) (-)

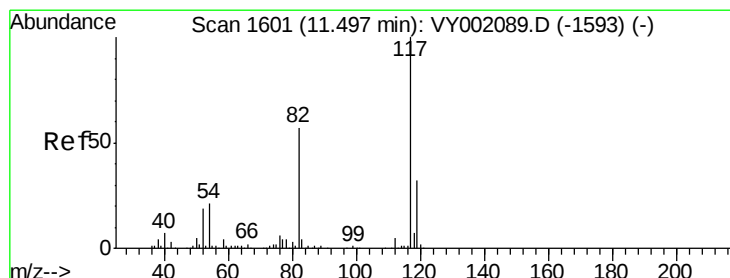
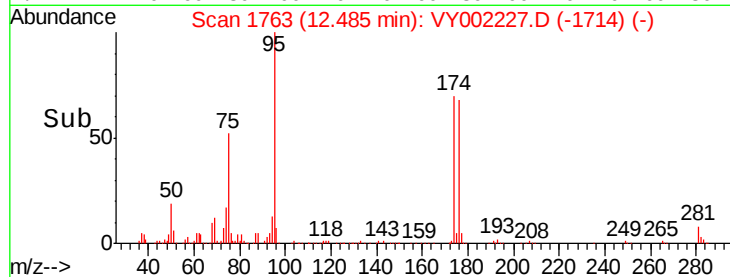
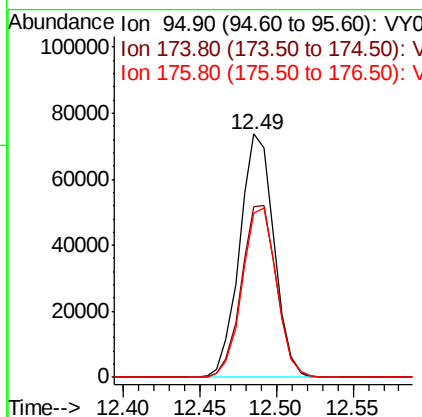
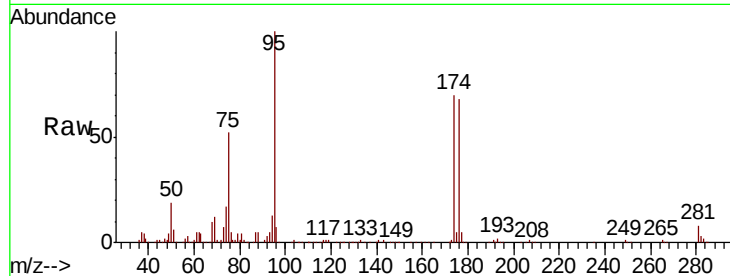




#62
4-Bromofluorobenzene
Concen: 52.417 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002227.D
Acq: 06 Apr 2020 11:21

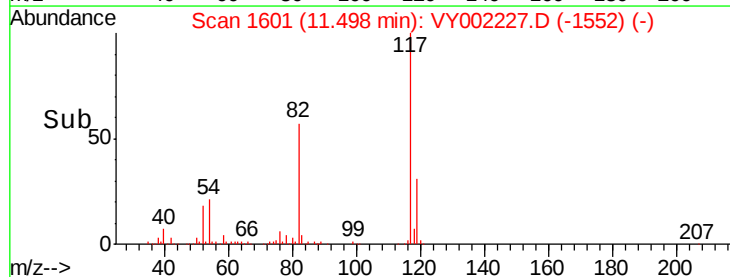
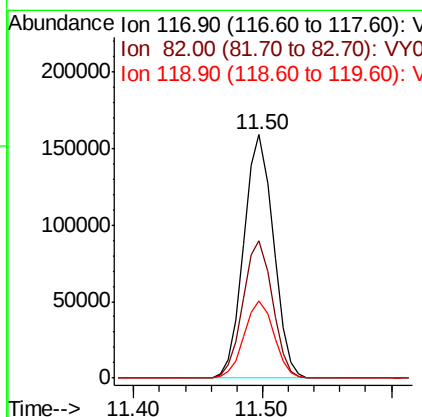
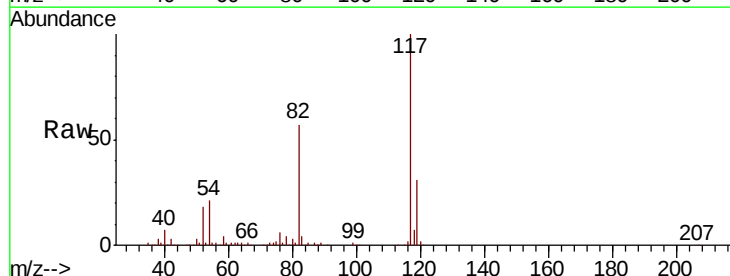
Instrument :
MSVOA_Y
ClientSampled :

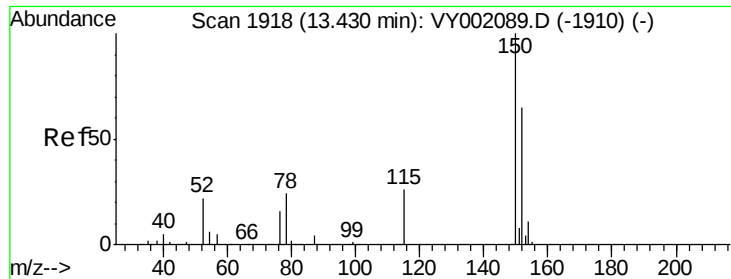
Tot Ion: 95 Resp: 114392
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.4
176 69.9 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002227.D
Acq: 06 Apr 2020 11:21

Tgt Ion: 117 Resp: 252670
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 31.5 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: VY002227.D

Acq: 06 Apr 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

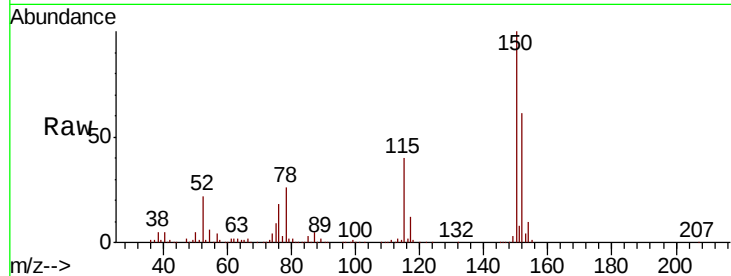
Tot Ion:152 Resp: 106558

Ion Ratio Lower Upper

152 100

115 63.0 31.2 93.6

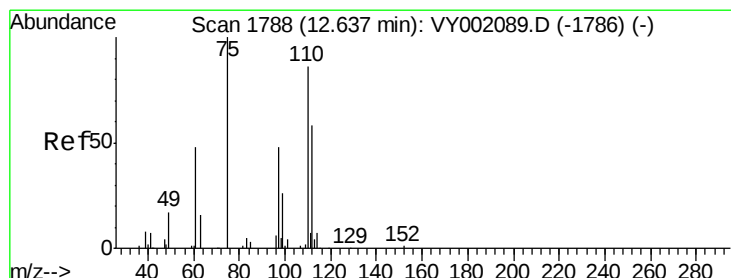
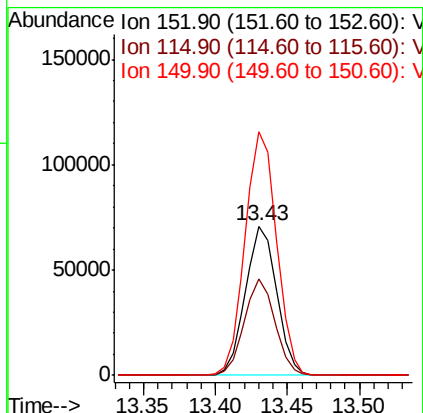
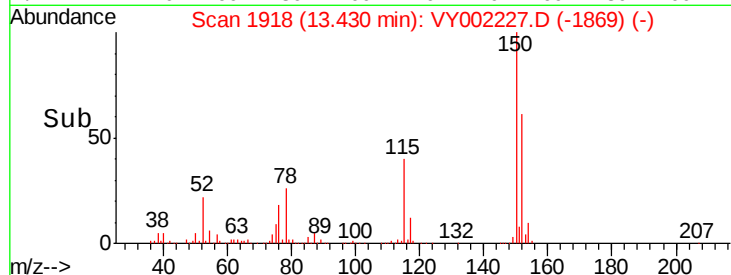
150 164.1 0.0 354.8



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: 47.880 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002227.D

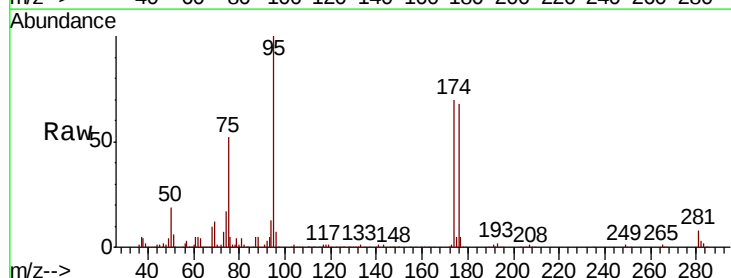
Acq: 06 Apr 2020 11:21

Tgt Ion: 75 Resp: 57071

Ion Ratio Lower Upper

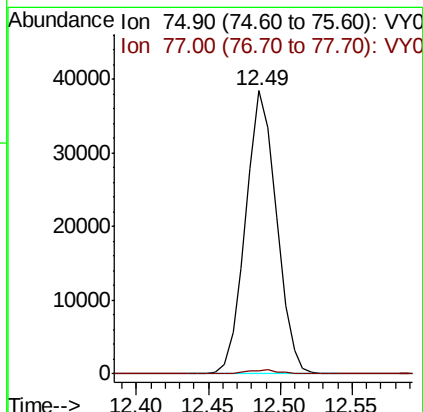
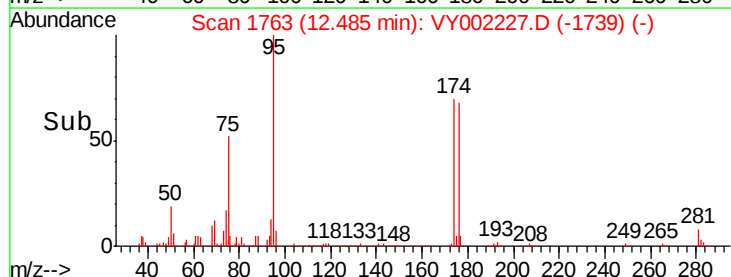
75 100

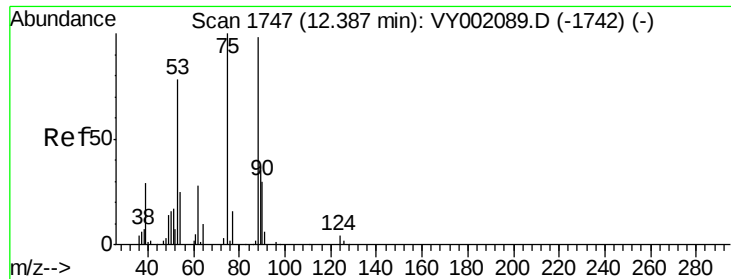
77 1.3 0.0 0.0#



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: 92.761 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002227.D

Acq: 06 Apr 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

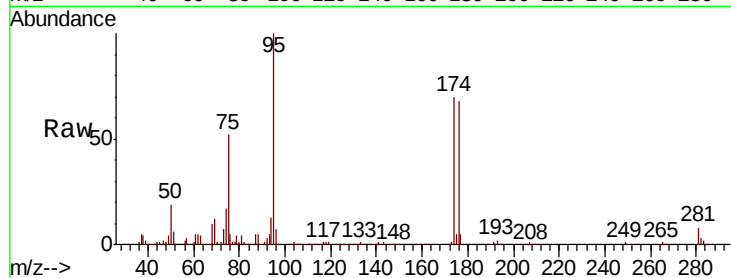
Tot Ion: 75 Resp: 57071

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.4 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

