

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002494.D
 Acq On : 28 Apr 2020 15:04
 Operator : SY/MD
 Sample : L2428-08
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 29 00:28:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	161038	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	244305	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	207423	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	99413	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	75115	53.37	ug/l	-0.02
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	7.73	113	72258	52.44	ug/l	-0.02
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.19	98	285254	51.50	ug/l	-0.01
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.48	95	72563	39.05	ug/l	0.00
Spiked Amount			Recovery	=	78.10%	

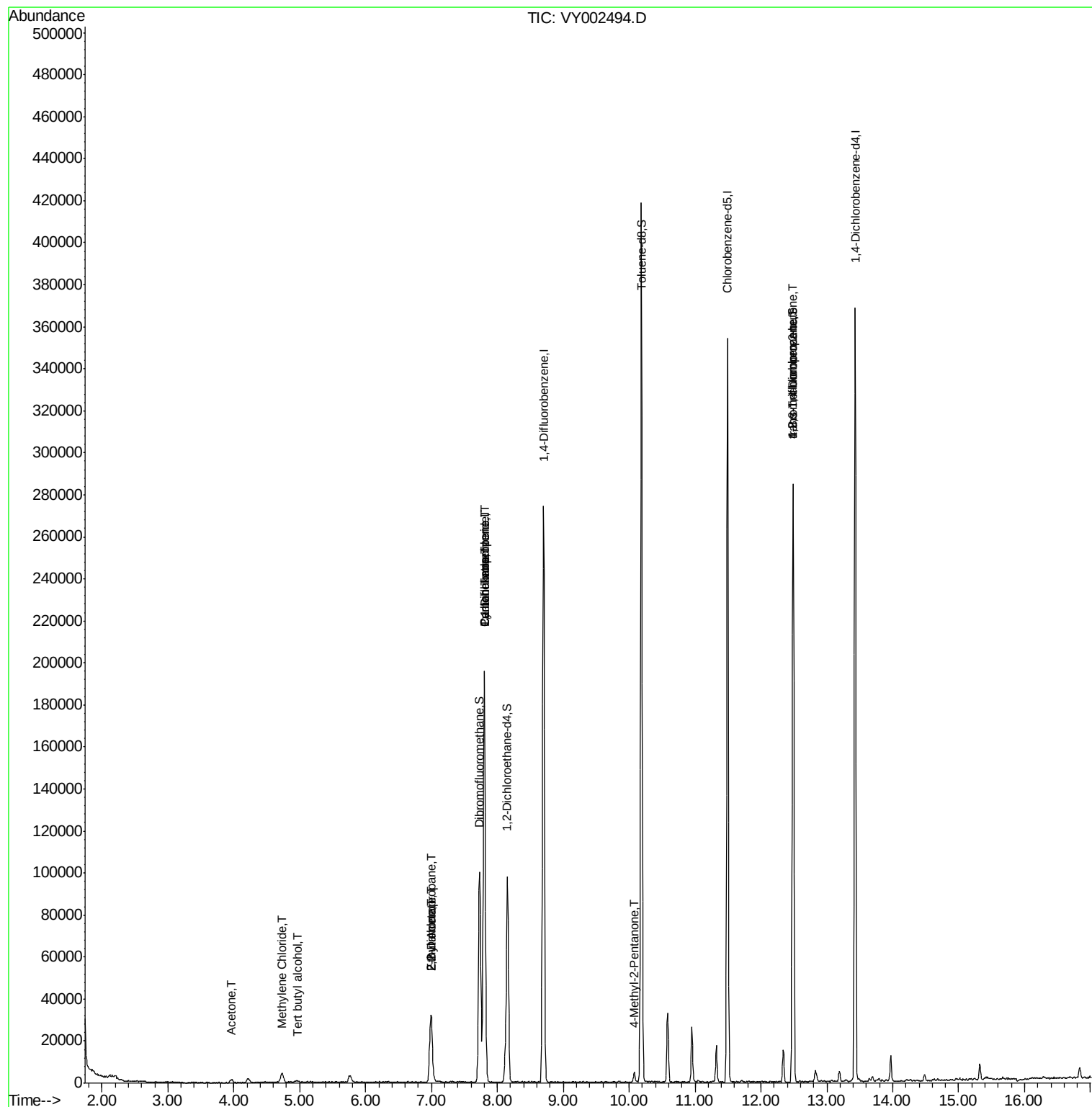
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	497	3.752	ug/l #	72
16) Acetone	3.96	43	3113	10.583	ug/l	95
20) Methylene Chloride	4.73	84	3357	1.999	ug/l #	95
25) 2-Butanone	6.99	43	1486	3.298	ug/l #	80
26) 2,2-Dichloropropane	6.99	77	2340	1.009	ug/l #	51
31) Cyclohexane	7.80	56	2683	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	9890	4.721	ug/l #	50
37) Ethyl Acetate	6.99	43	1486	1.412	ug/l #	1
38) Carbon Tetrachloride	7.80	117	14702	6.103	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	2961	2.896	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	39096	46.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	39096	85.863	ug/l #	15

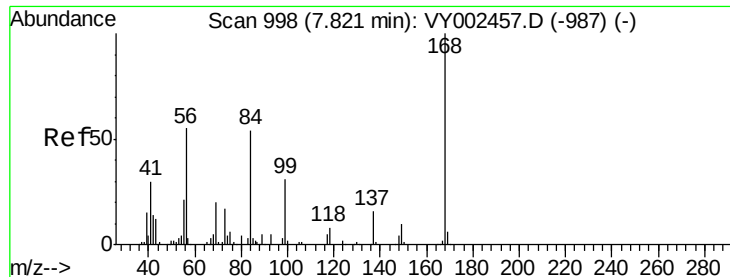
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY002494.D

Acq: 28 Apr 2020 15:04

Instrument :

MSVOA_Y

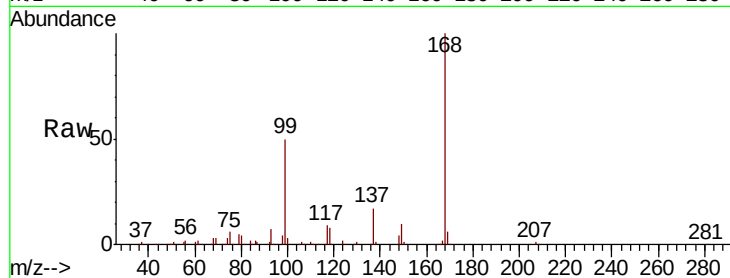
ClientSampleId :

Tot Ion:168 Resp: 161038

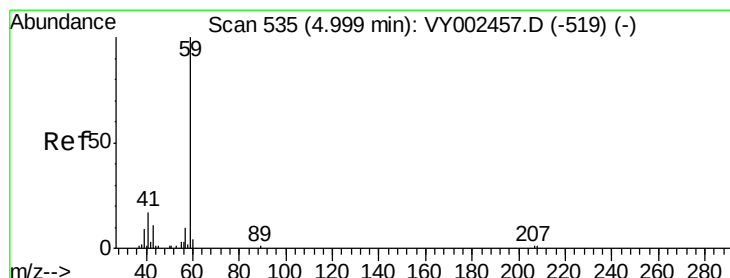
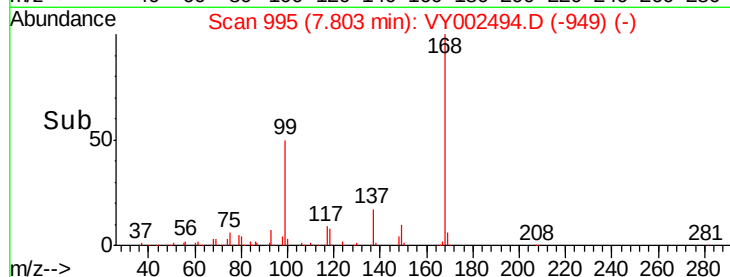
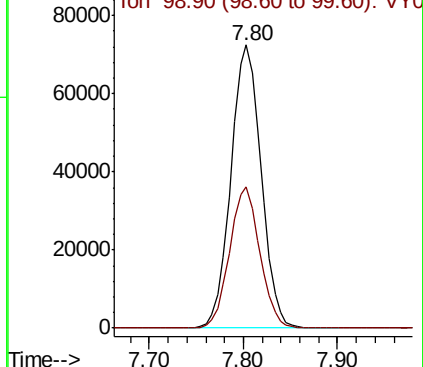
Ion Ratio Lower Upper

168 100

99 49.8 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)



#11

Tert butyl alcohol

Concen: 3.752 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY002494.D

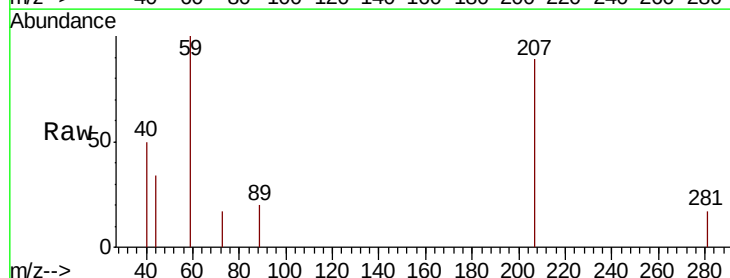
Acq: 28 Apr 2020 15:04

Tgt Ion: 59 Resp: 497

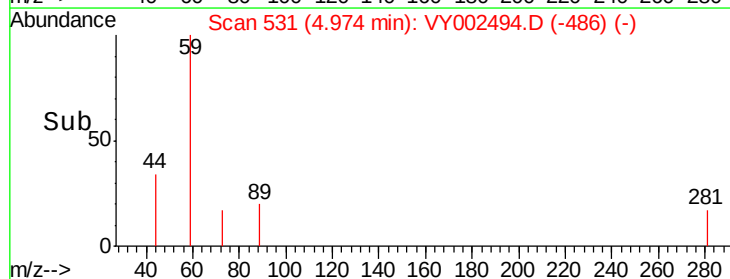
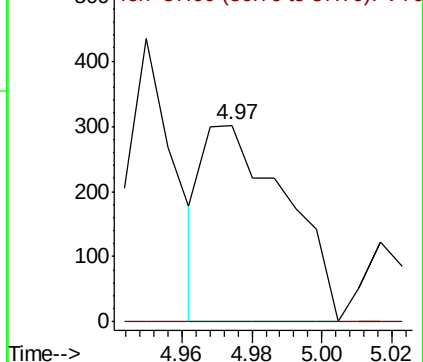
Ion Ratio Lower Upper

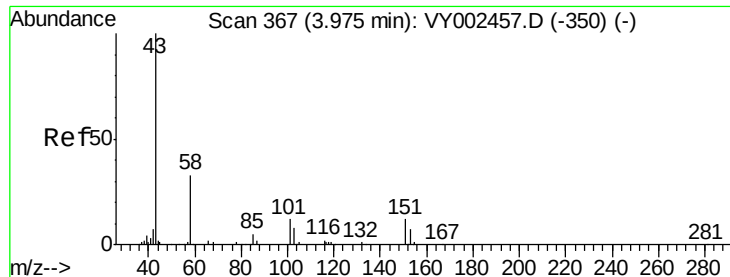
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002457.D (-519) (-)

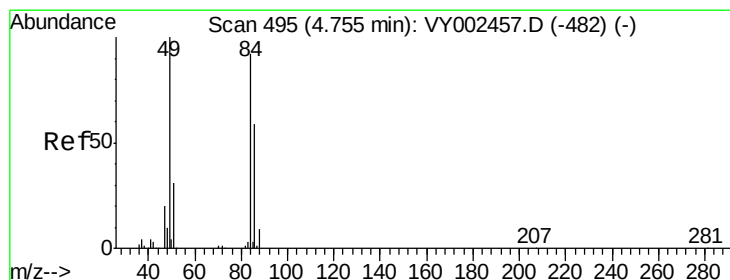
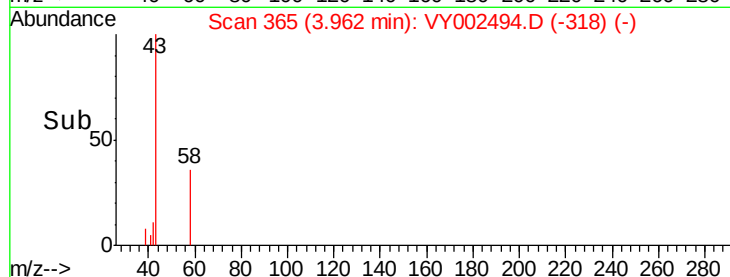
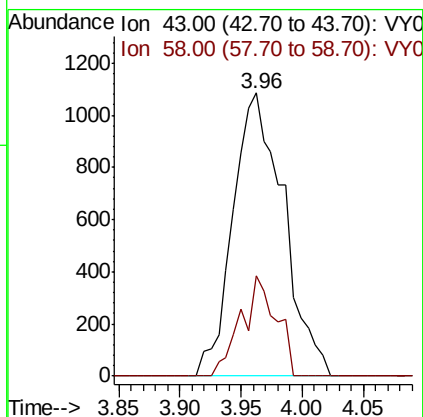
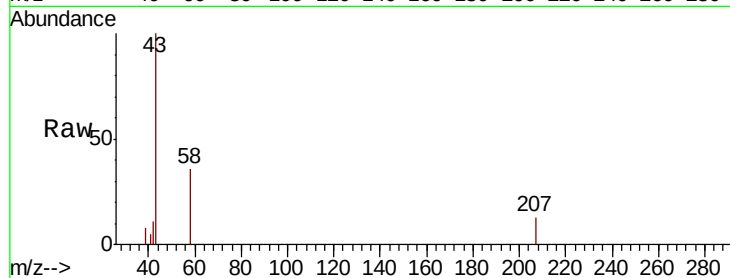




#16
Acetone
Concen: 10.583 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

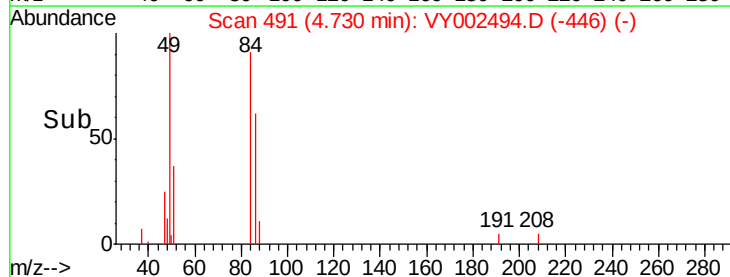
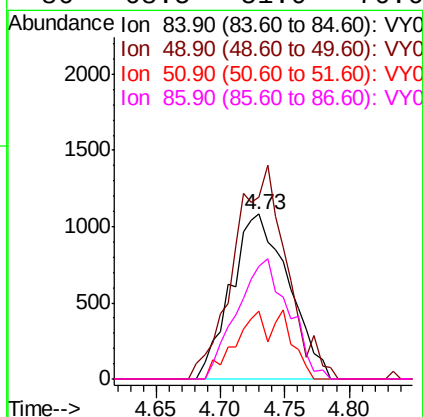
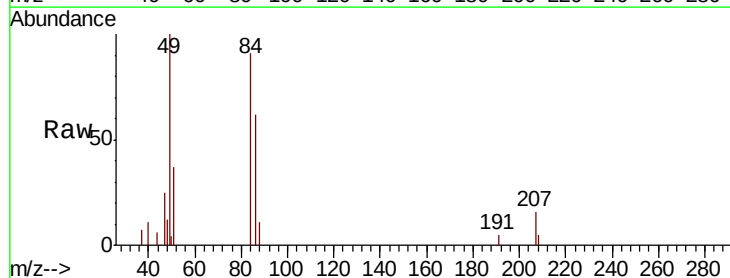
Instrument :
MSVOA_Y
ClientSampleId :

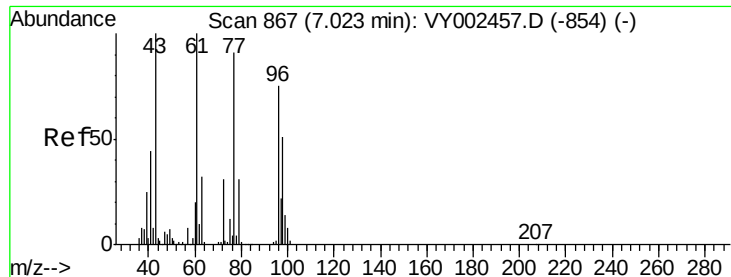
Tot Ion: 43 Resp: 3113
Ion Ratio Lower Upper
43 100
58 35.6 26.4 39.6



#20
Methylene Chloride
Concen: 1.999 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

Tgt Ion: 84 Resp: 3357
Ion Ratio Lower Upper
84 100
49 110.0 86.9 130.3
51 41.1 27.3 40.9#
86 68.5 51.0 76.6





#25

2-Butanone

Concen: 3.298 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.03 min

Lab File: VY002494.D

Acq: 28 Apr 2020 15:04

Instrument :

MSVOA_Y

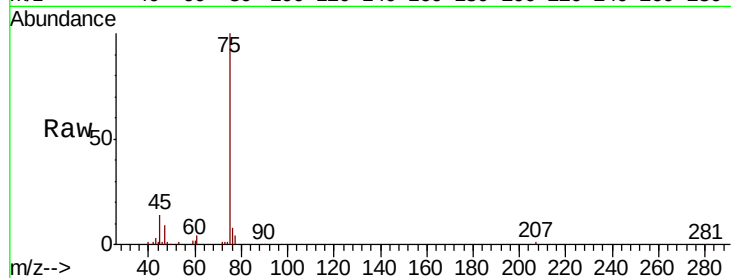
ClientSampleId :

Tot Ion: 43 Resp: 1486

Ion Ratio Lower Upper

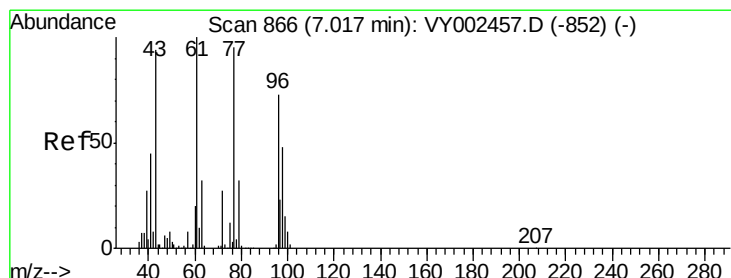
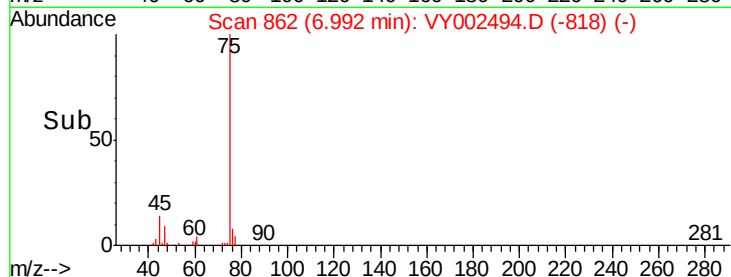
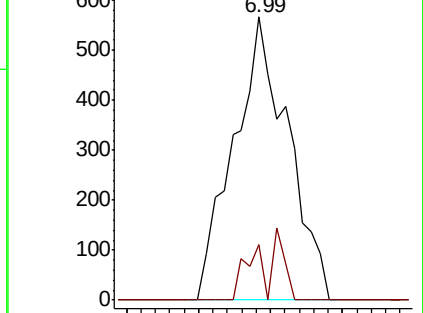
43 100

72 19.8 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.009 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY002494.D

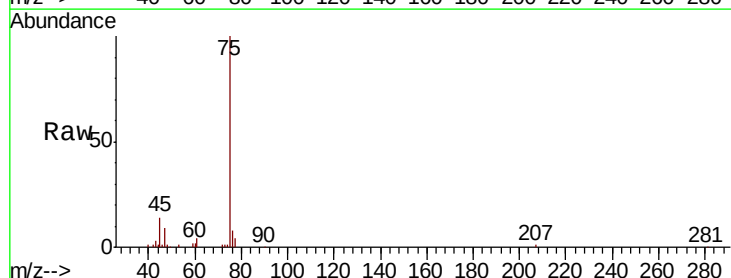
Acq: 28 Apr 2020 15:04

Tgt Ion: 77 Resp: 2340

Ion Ratio Lower Upper

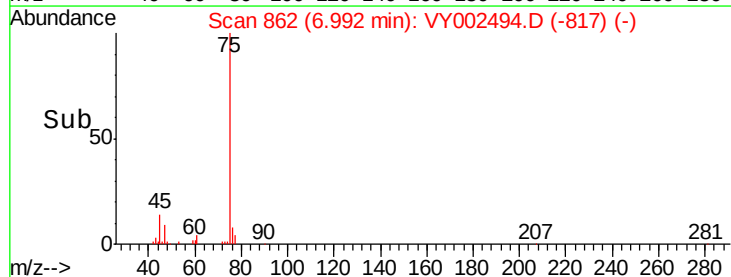
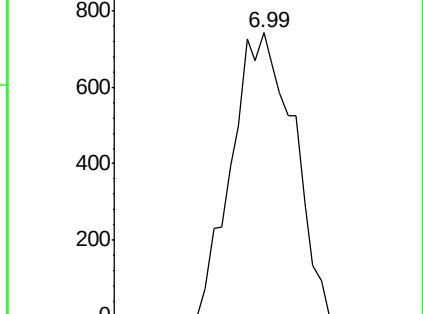
77 100

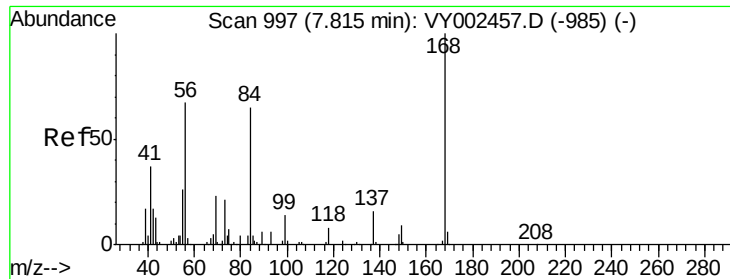
97 0.0 12.0 36.0#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

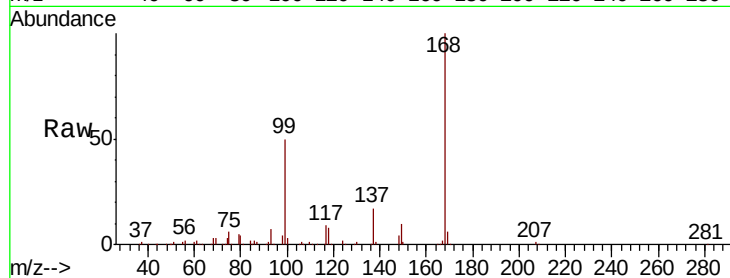




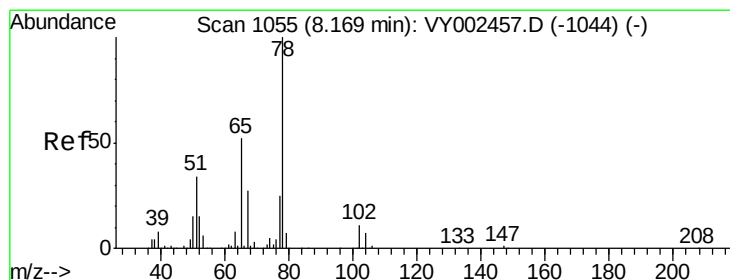
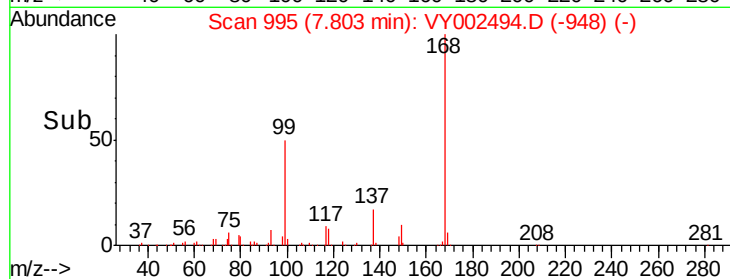
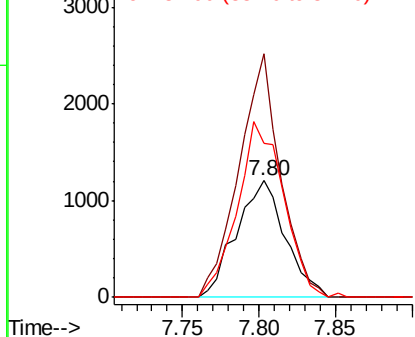
#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 2683
Ion Ratio Lower Upper
56 100
69 209.0 27.0 40.6#
84 132.1 77.4 116.2#

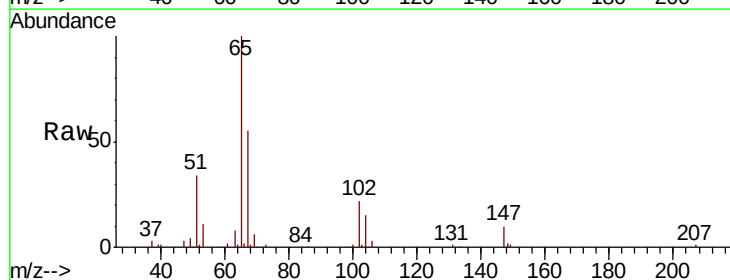


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

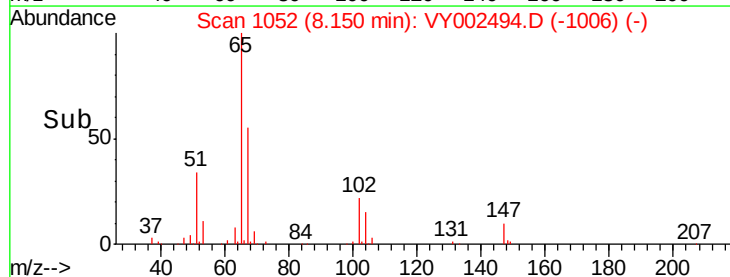
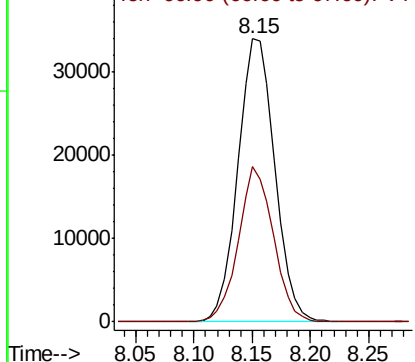


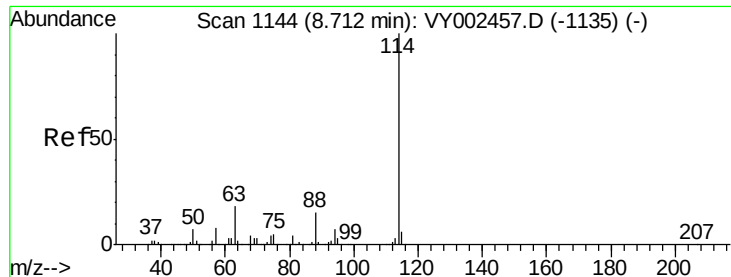
#33
1,2-Dichloroethane-d4
Concen: 53.367 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.02 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

Tgt Ion: 65 Resp: 75115
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.2



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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002494.D

Acq: 28 Apr 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

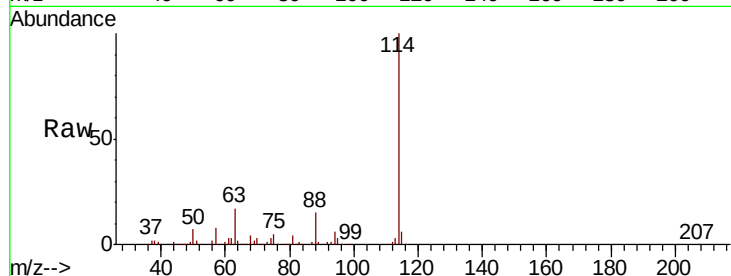
Tot Ion:114 Resp: 244305

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.6

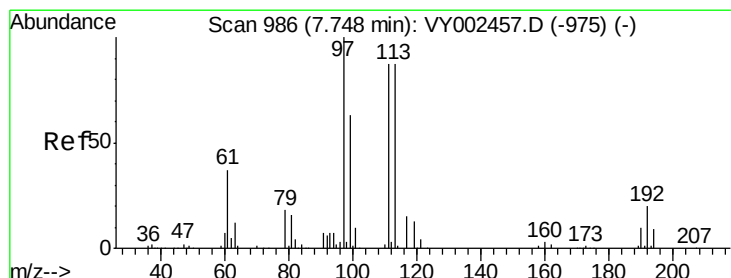
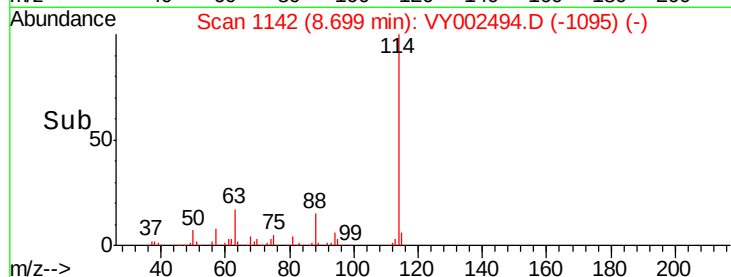
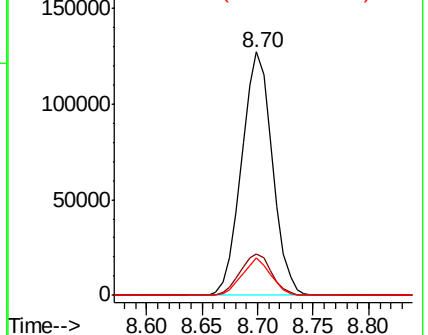
88 15.2 0.0 29.4



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: 52.436 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY002494.D

Acq: 28 Apr 2020 15:04

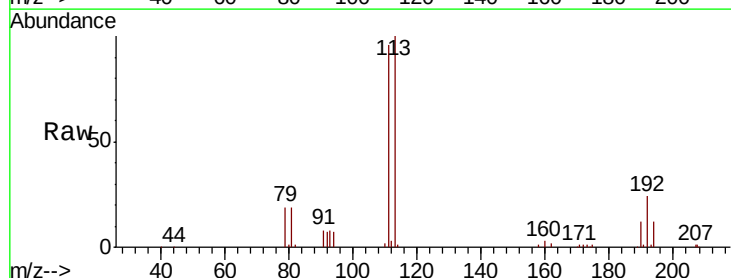
Tgt Ion:113 Resp: 72258

Ion Ratio Lower Upper

113 100

111 99.6 81.0 121.4

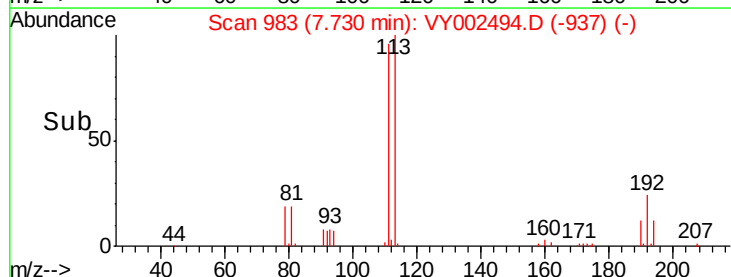
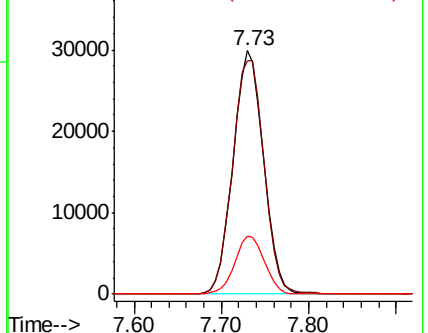
192 23.3 18.6 27.8

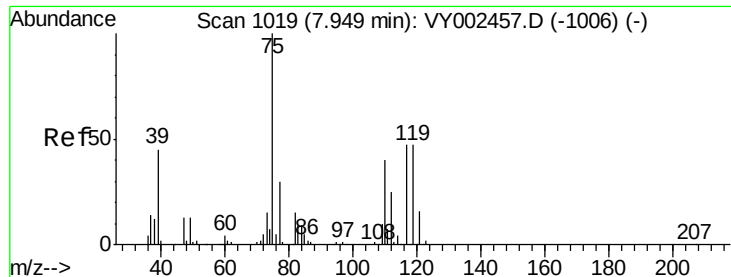


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

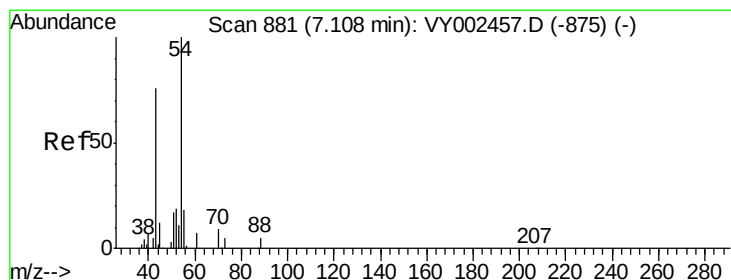
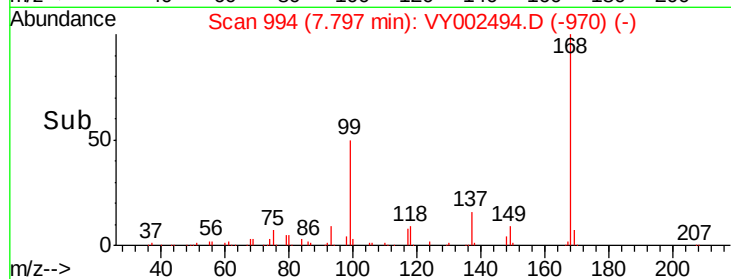
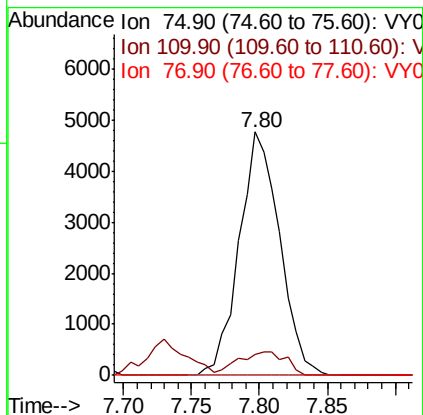
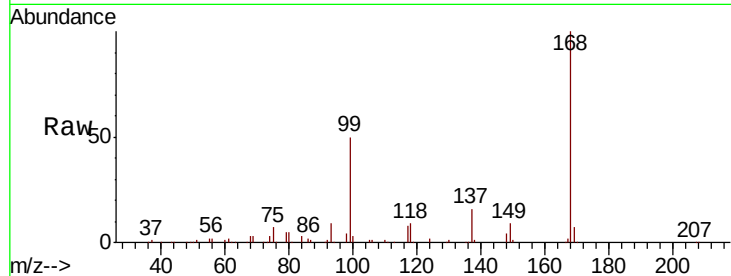




#36
 1,1-Dichloropropene
 Concen: 4.721 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.15 min
 Lab File: VY002494.D
 Acq: 28 Apr 2020 15:04

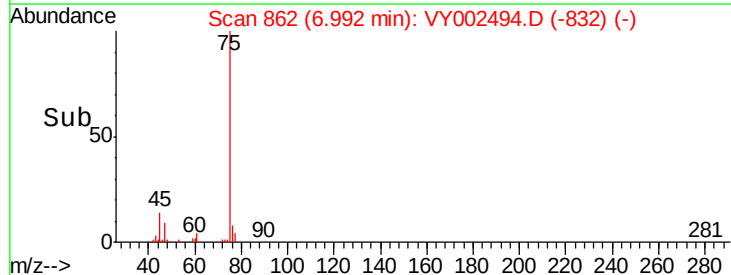
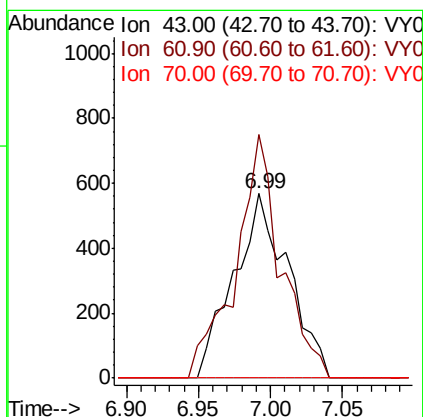
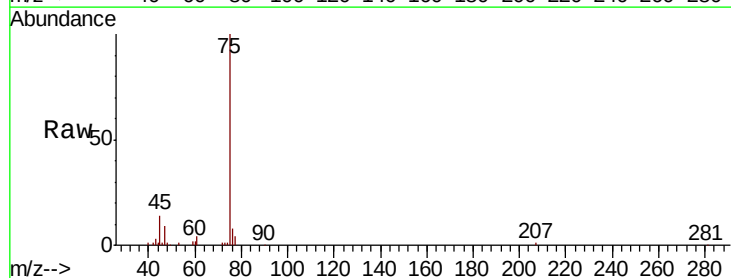
Instrument :
 MSVOA_Y
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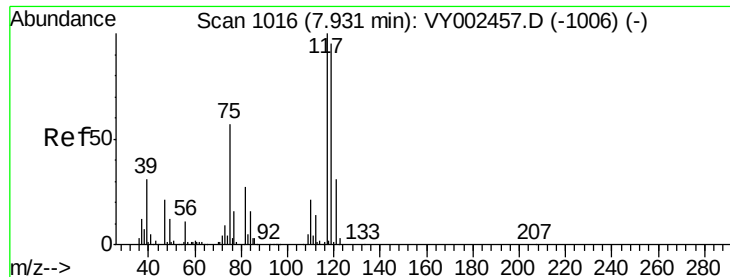
Tot Ion: 75 Resp: 9890
 Ion Ratio Lower Upper
 75 100
 110 11.5 19.4 58.4#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.412 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.12 min
 Lab File: VY002494.D
 Acq: 28 Apr 2020 15:04

Tgt Ion: 43 Resp: 1486
 Ion Ratio Lower Upper
 43 100
 61 109.3 11.8 17.8#
 70 0.0 9.3 13.9#

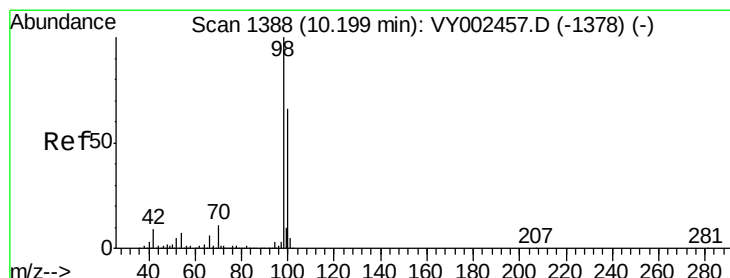
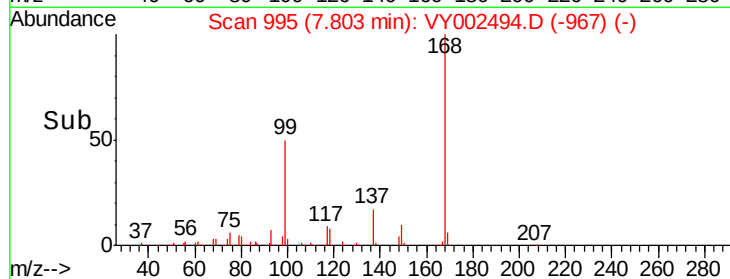
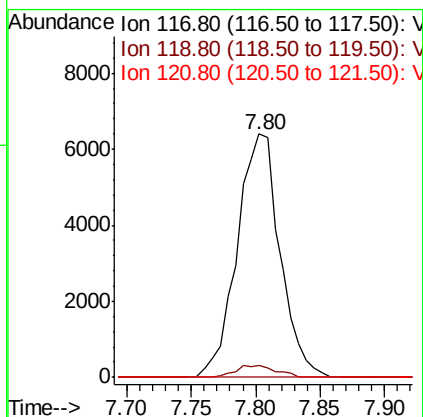
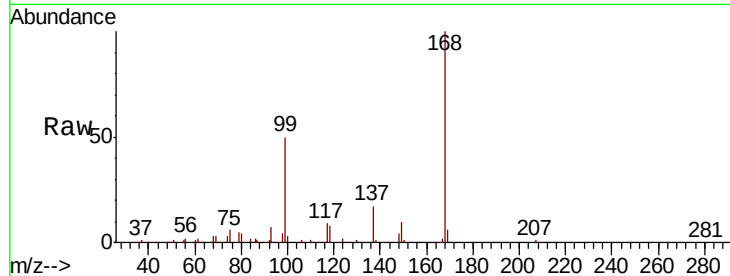




#38
Carbon Tetrachloride
Concen: 6.103 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.13 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

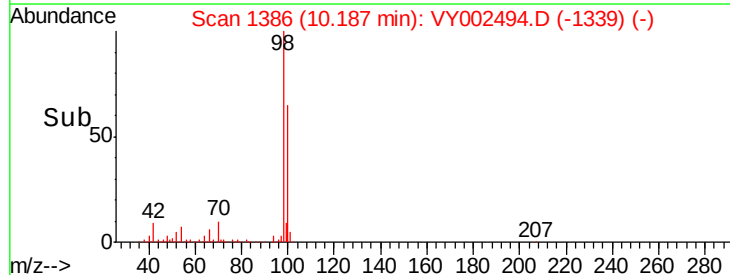
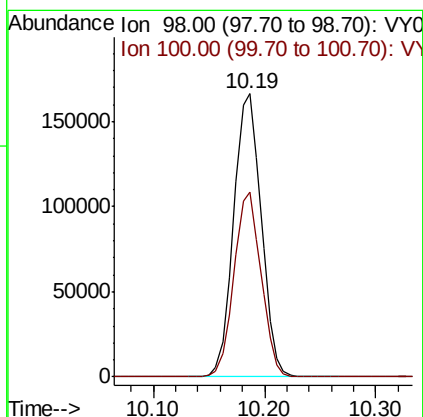
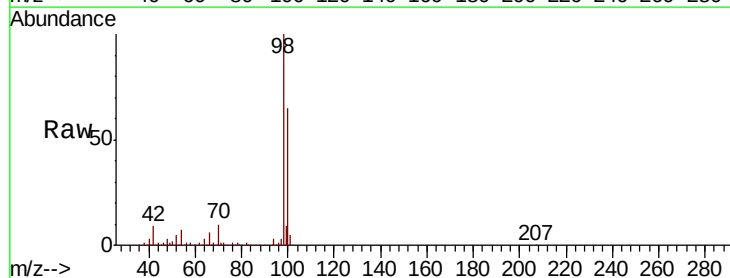
Instrument :
MSVOA_Y
ClientSampleId :

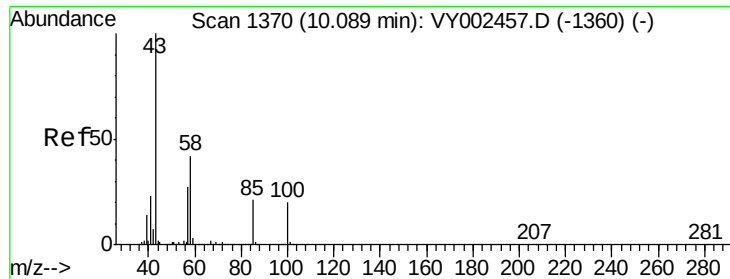
Tot Ion:117 Resp: 14702
Ion Ratio Lower Upper
117 100
119 4.9 75.9 113.9#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

Tgt Ion: 98 Resp: 285254
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7

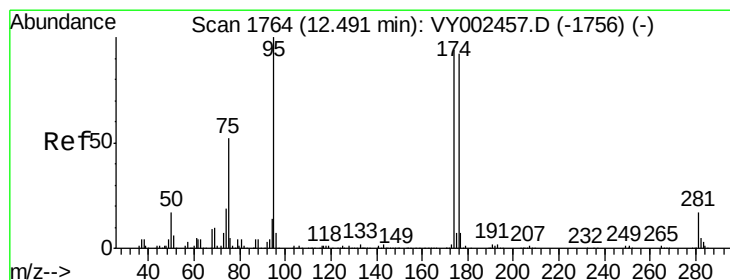
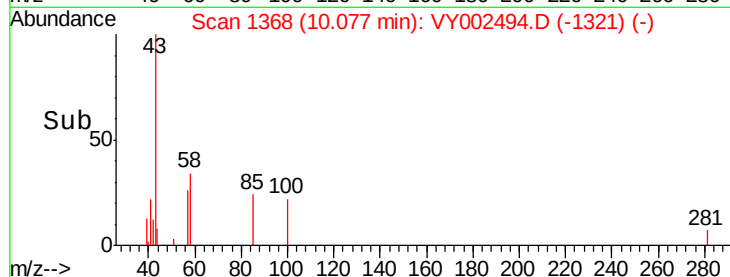
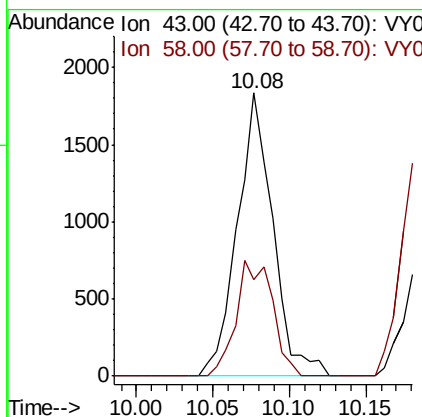
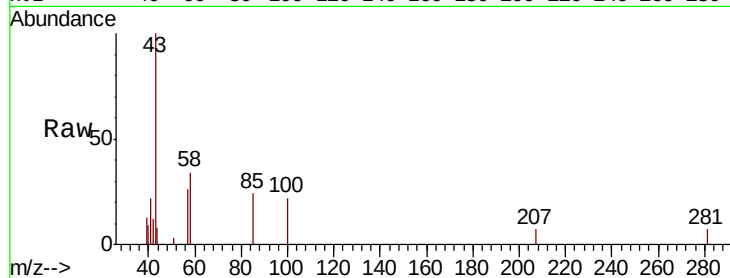




#51
4-Methyl-2-Pentanone
Concen: 2.896 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

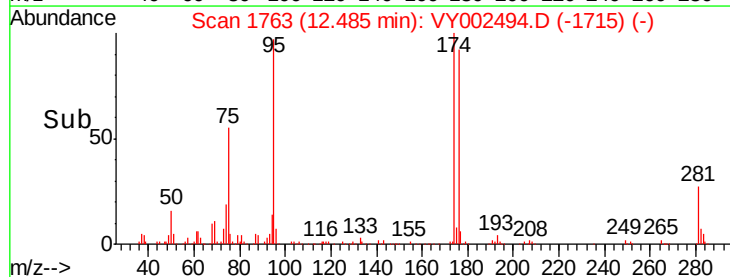
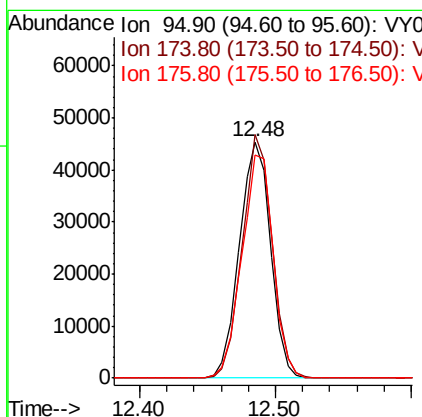
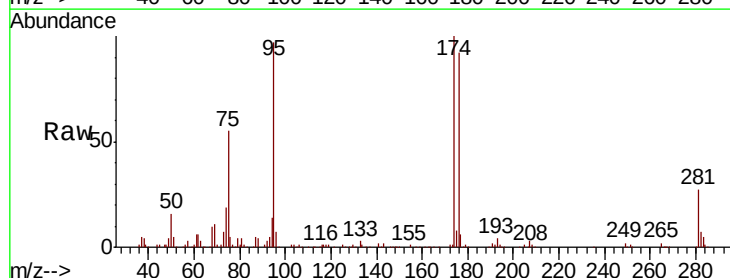
Instrument :
MSVOA_Y
ClientSampled :

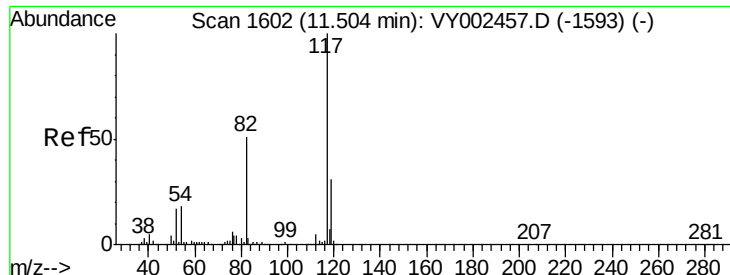
Tot Ion: 43 Resp: 2961
Ion Ratio Lower Upper
43 100
58 41.7 33.2 49.8



#62
4-Bromofluorobenzene
Concen: 39.046 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

Tgt Ion: 95 Resp: 72563
Ion Ratio Lower Upper
95 100
174 99.1 0.0 193.0
176 95.4 0.0 190.4

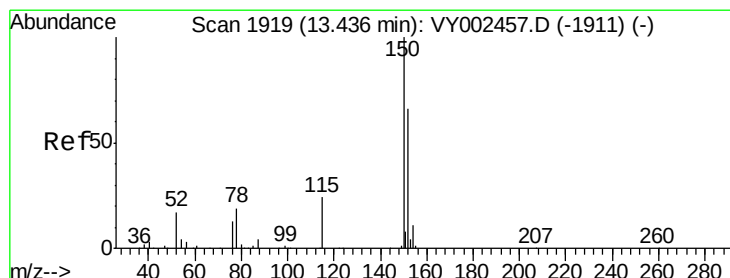
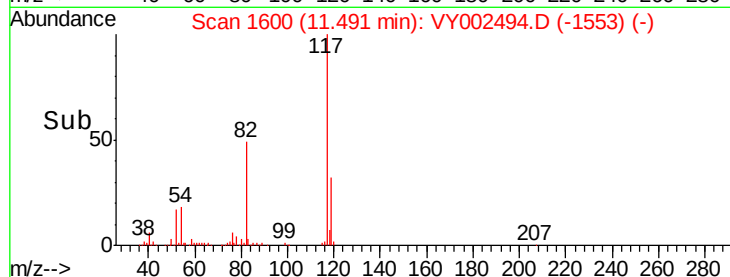
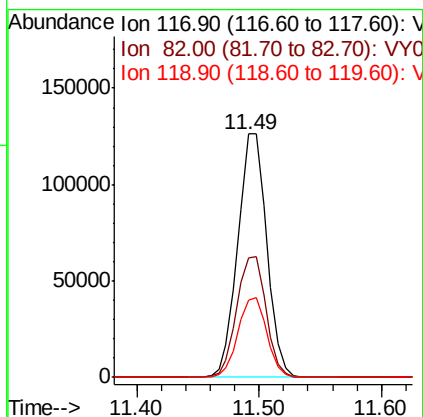
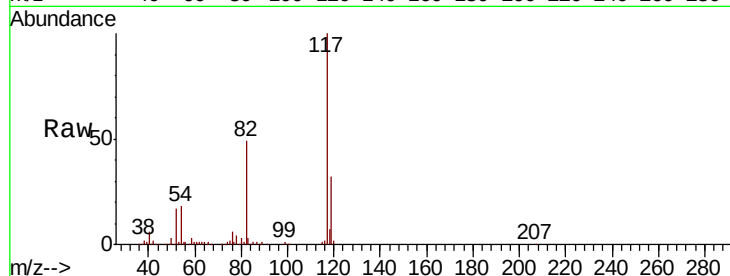




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

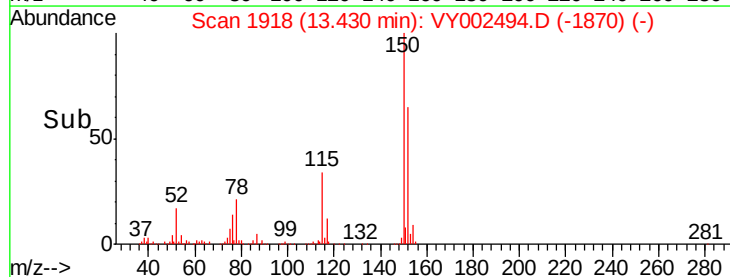
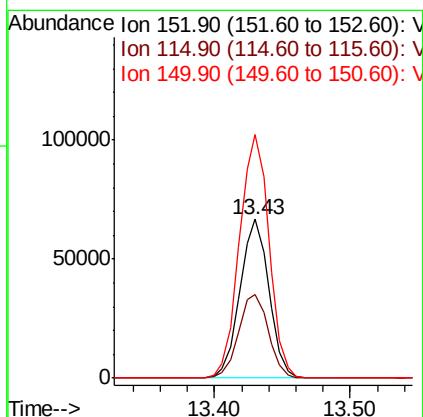
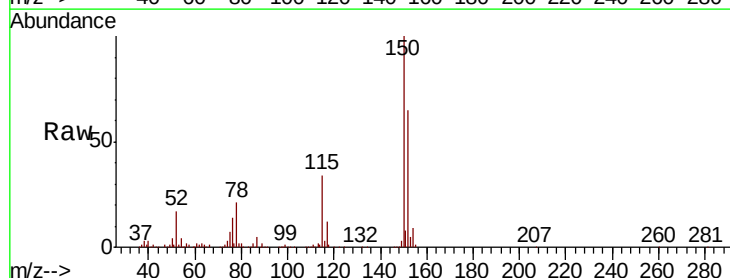
Instrument :
MSVOA_Y
ClientSampleId :

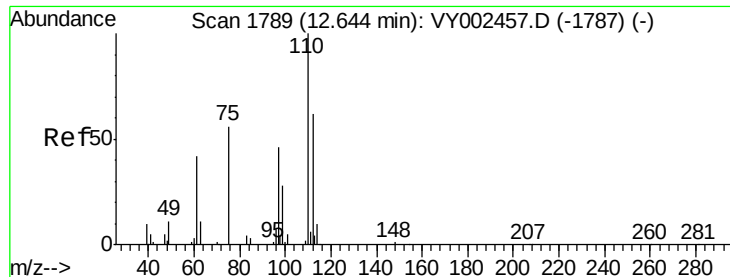
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	40.8	61.2
119	31.8	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002494.D
Acq: 28 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.3	81.8
150	156.1	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 46.400 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY002494.D

Acq: 28 Apr 2020 15:04

Instrument :

MSVOA_Y

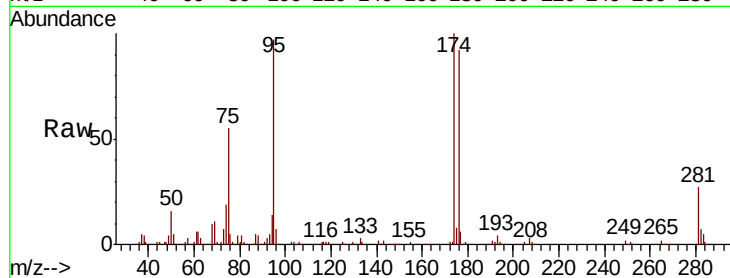
ClientSampleId :

Tot Ion: 75 Resp: 39096

Ion Ratio Lower Upper

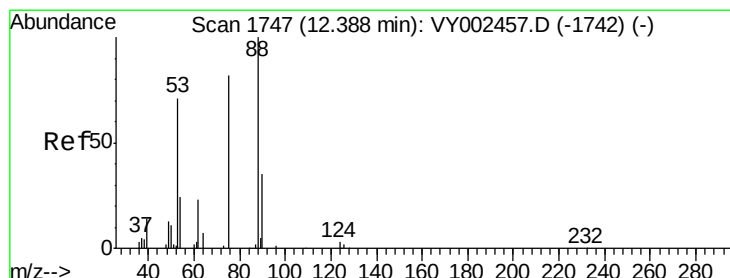
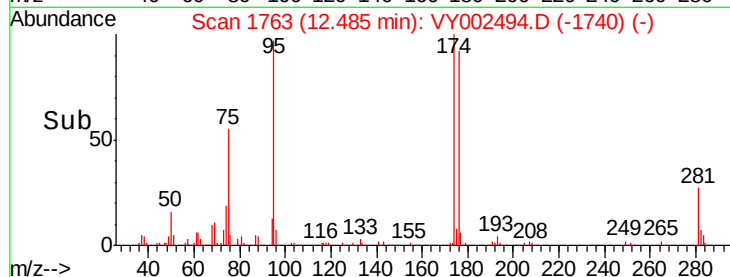
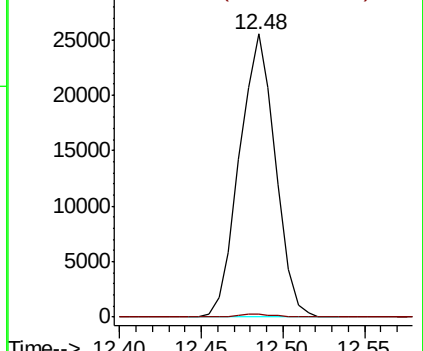
75 100

77 1.0 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: 85.863 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002494.D

Acq: 28 Apr 2020 15:04

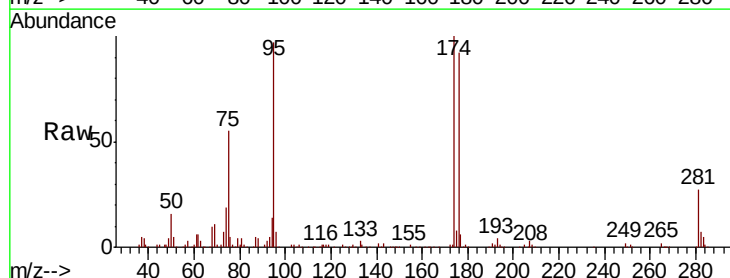
Tgt Ion: 75 Resp: 39096

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.3 34.9 52.3#



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

