

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003495.D
 Acq On : 03 Nov 2020 16:18
 Operator : SY/MD
 Sample : L4609-01
 Misc : 6.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 12016

Quant Time: Nov 04 00:24:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	157862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	277948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	243806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	106917	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	104089	64.32	ug/l	0.00
Spiked Amount			Recovery	=	128.64%	
35) Dibromofluoromethane	7.73	113	90973	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
50) Toluene-d8	10.18	98	338189	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.48	95	97816	41.96	ug/l	0.00
Spiked Amount			Recovery	=	83.92%	

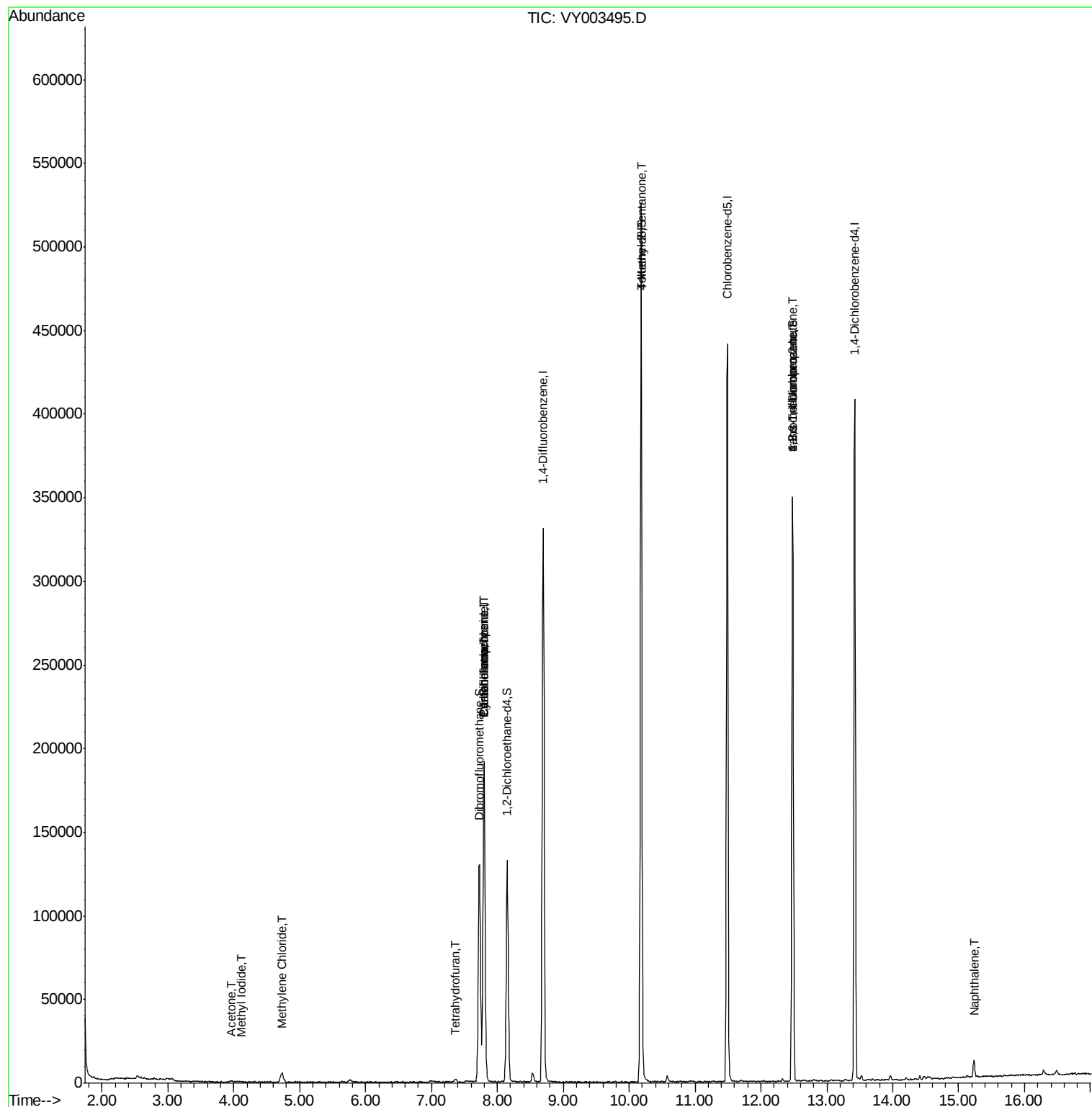
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	188	4.733	ug/l #	41
11) Tert butyl alcohol	4.98	59	80	Below Cal	#	73
16) Acetone	3.96	43	1316	2.465	ug/l #	85
20) Methylene Chloride	4.73	84	4125	2.744	ug/l #	91
29) Tetrahydrofuran	7.36	42	1210	3.468	ug/l	94
31) Cyclohexane	7.80	56	2935	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10926	4.169	ug/l #	50
38) Carbon Tetrachloride	7.80	117	13949	5.131	ug/l #	17
51) 4-Methyl-2-Pentanone	10.18	43	1596	1.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	52383	46.305	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	52383	96.646	ug/l #	12
95) Naphthalene	15.23	128	6899	1.659	ug/l	98

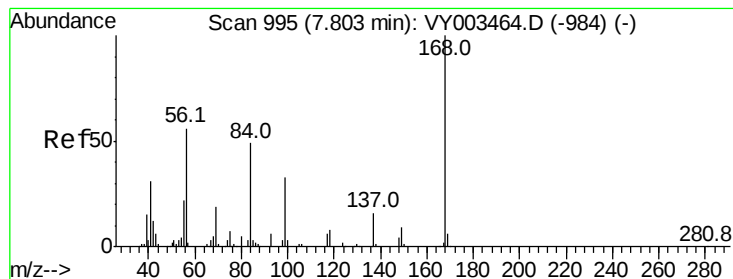
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

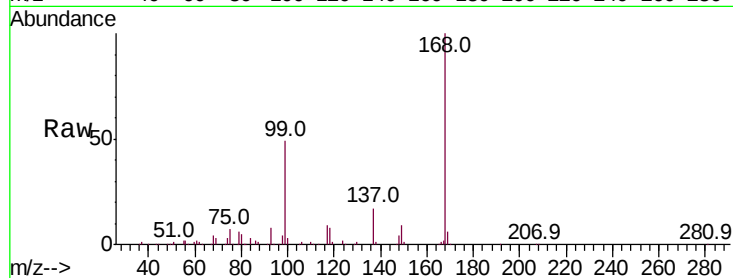
12016

Tot Ion:168 Resp: 157862

Ion Ratio Lower Upper

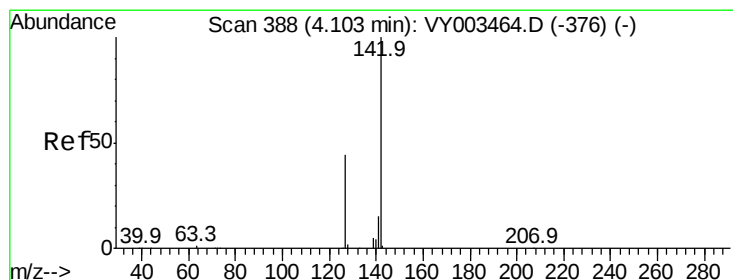
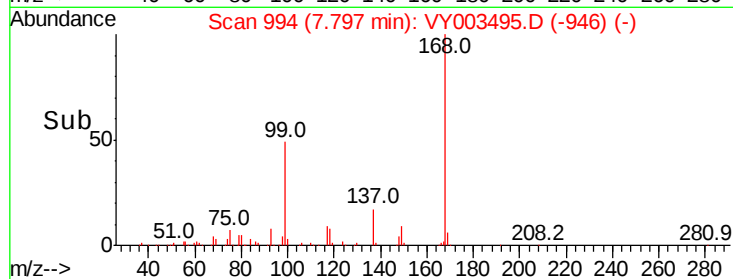
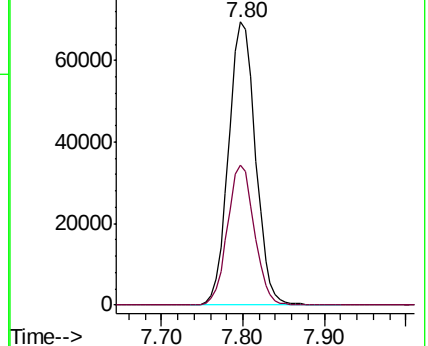
168 100

99 49.5 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 4.733 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

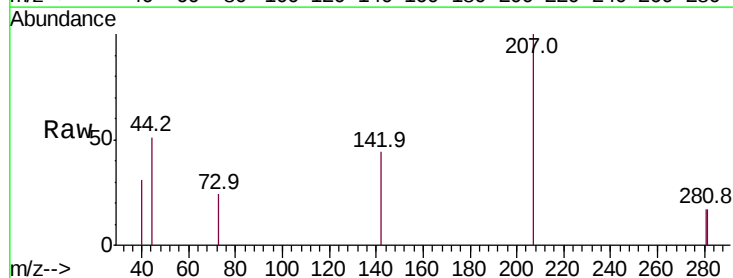
Tgt Ion:142 Resp: 188

Ion Ratio Lower Upper

142 100

127 0.0 34.5 51.7#

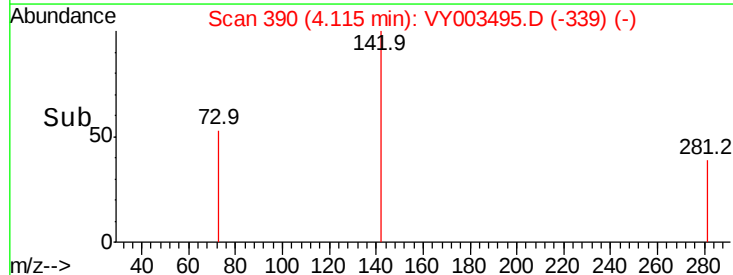
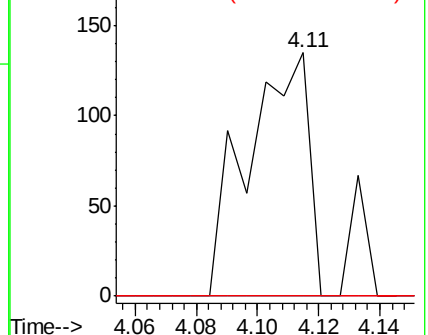
141 0.0 11.8 17.8#

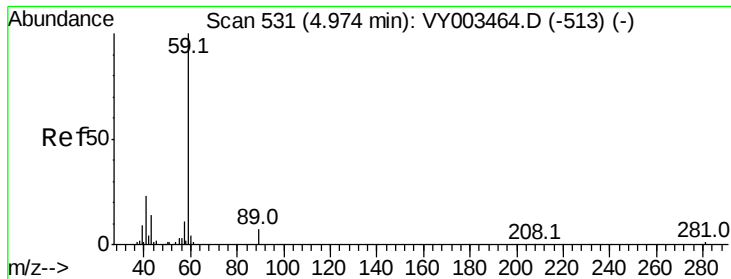


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



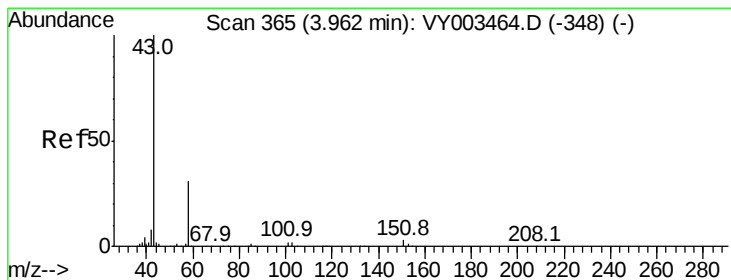
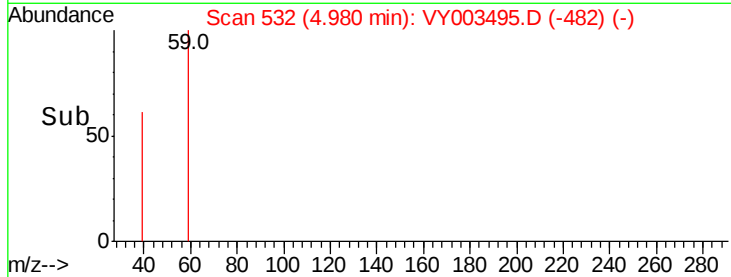
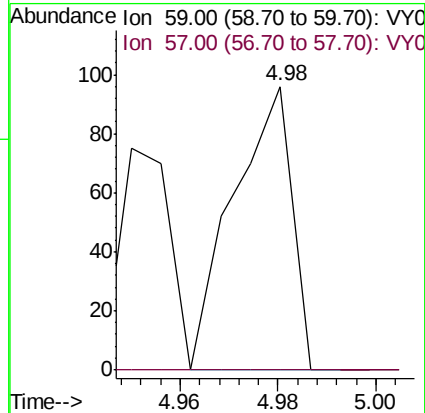
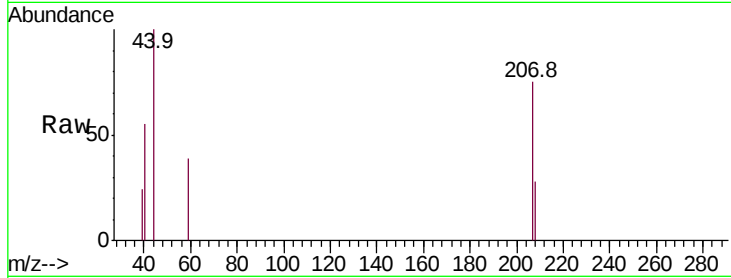


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY003495.D
 Acq: 03 Nov 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampled :
 12016

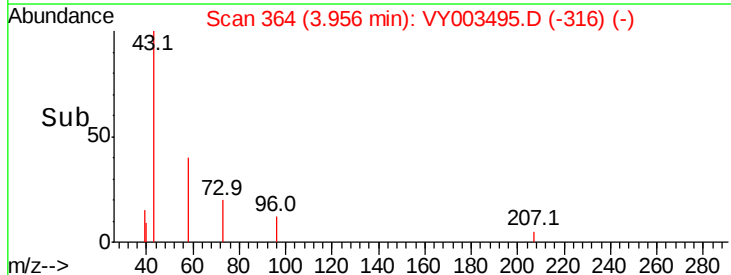
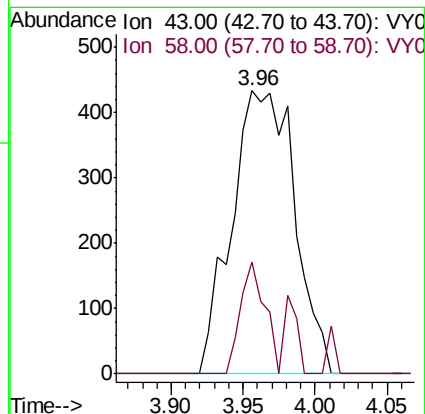
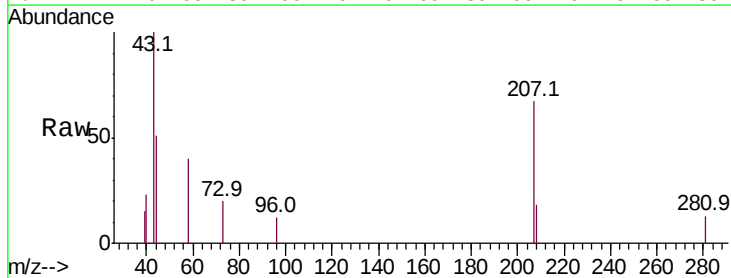
Tot Ion: 59 Resp: 80
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

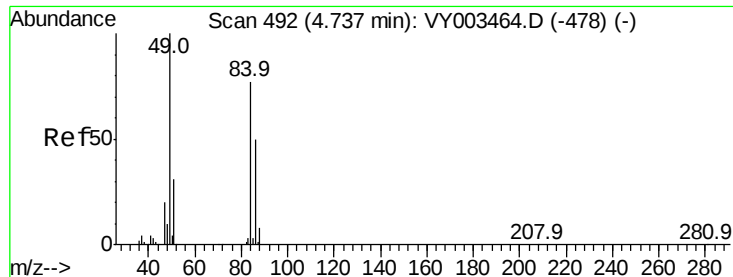


#16

Acetone
 Concen: 2.465 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY003495.D
 Acq: 03 Nov 2020 16:18

Tgt Ion: 43 Resp: 1316
 Ion Ratio Lower Upper
 43 100
 58 39.7 25.0 37.4#

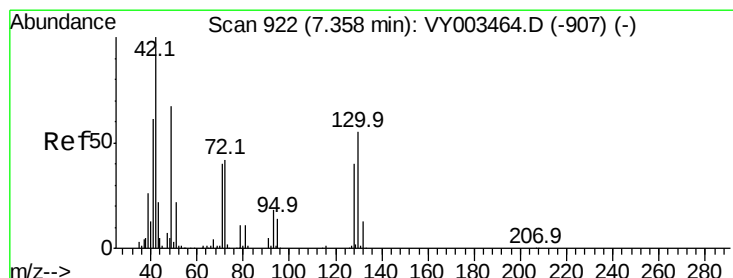
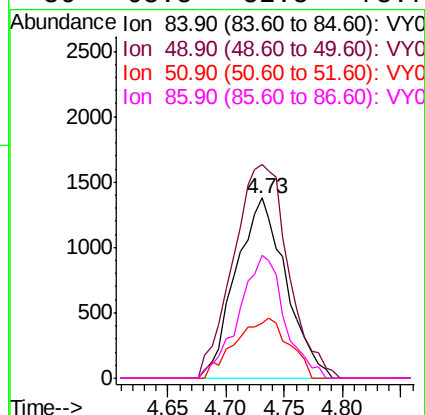
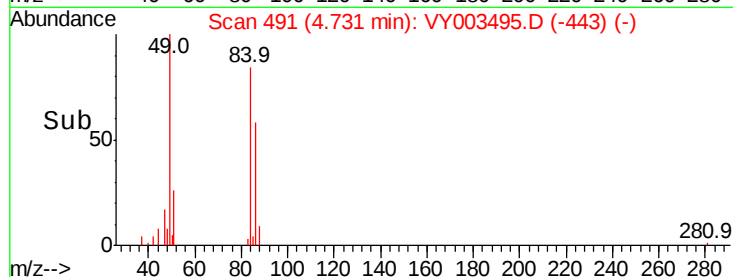
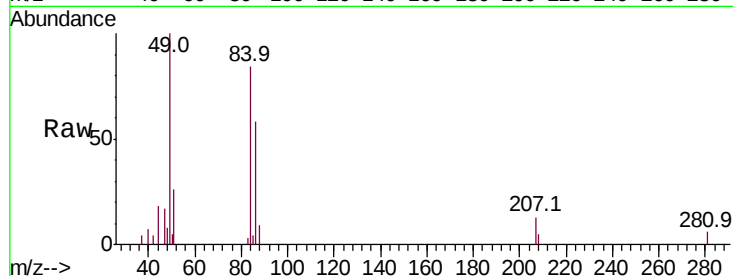




#20
Methvlene Chloride
Concen: 2.744 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003495.D
Acq: 03 Nov 2020 16:18

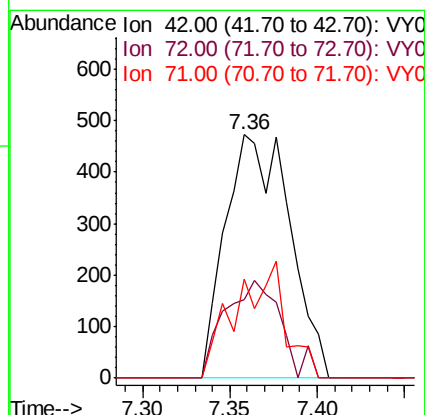
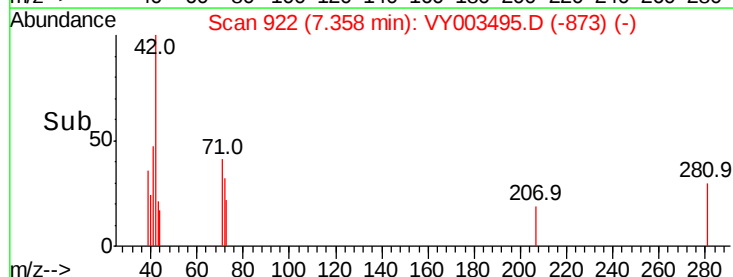
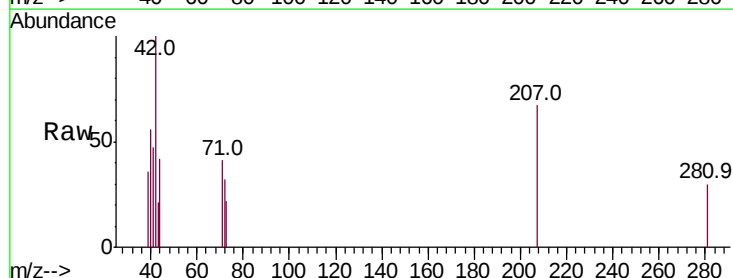
Instrument :
MSVOA_Y
ClientSampleId :
12016

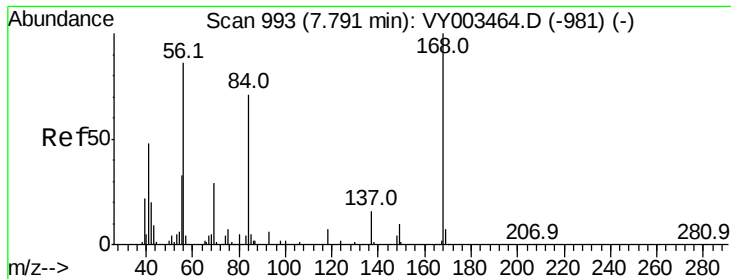
Tot Ion: 84 Resp: 4125
Ion Ratio Lower Upper
84 100
49 118.5 104.3 156.5
51 30.3 32.5 48.7#
86 68.5 52.5 78.7



#29
Tetrahydrofuran
Concen: 3.468 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY003495.D
Acq: 03 Nov 2020 16:18

Tgt Ion: 42 Resp: 1210
Ion Ratio Lower Upper
42 100
72 34.9 32.8 49.2
71 37.1 30.7 46.1





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

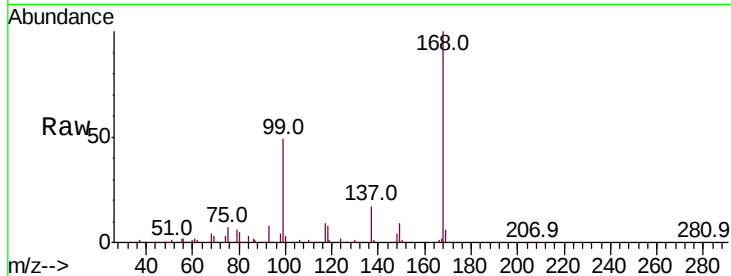
Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

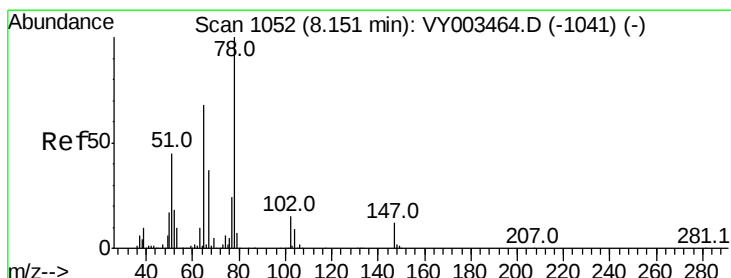
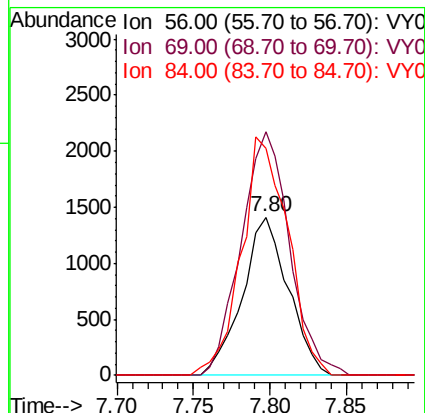
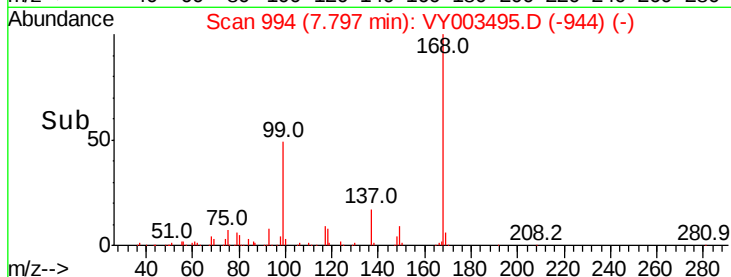
Instrument :
MSVOA_Y
ClientSampleId :
12016

Tot Ion: 56 Resp: 2935

Ion	Ratio	Lower	Upper
56	100		
69	154.2	26.6	39.8#
84	143.7	65.9	98.9#



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: 64.317 ug/l

RT: 8.15 min Scan# 1052

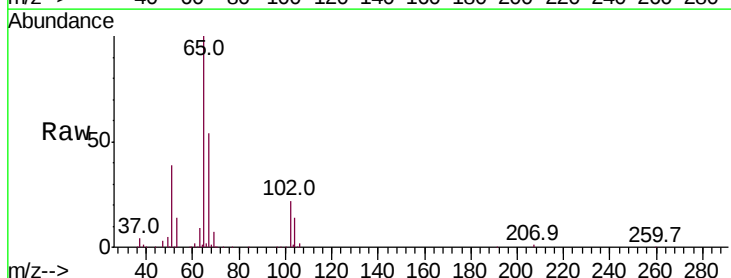
Delta R.T. -0.00 min

Lab File: VY003495.D

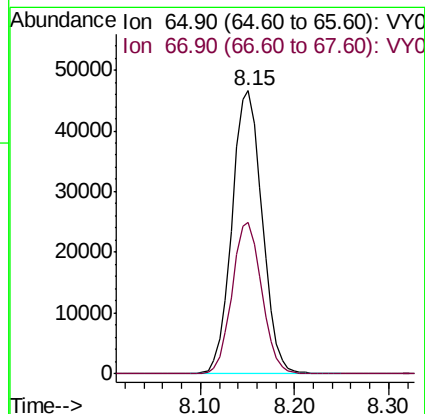
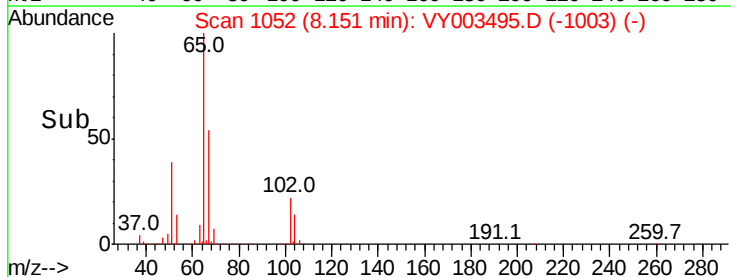
Acq: 03 Nov 2020 16:18

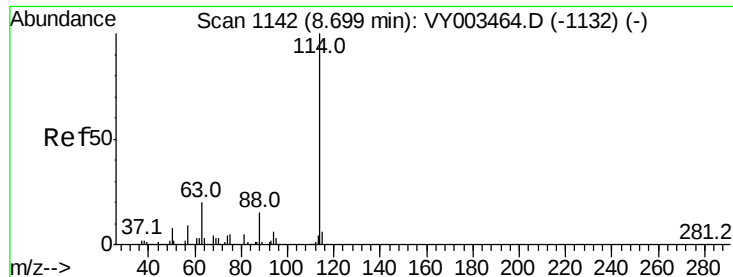
Tgt Ion: 65 Resp: 104089

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

12016

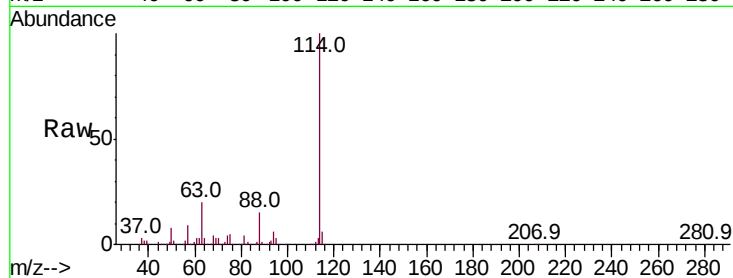
Tot Ion:114 Resp: 277948

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

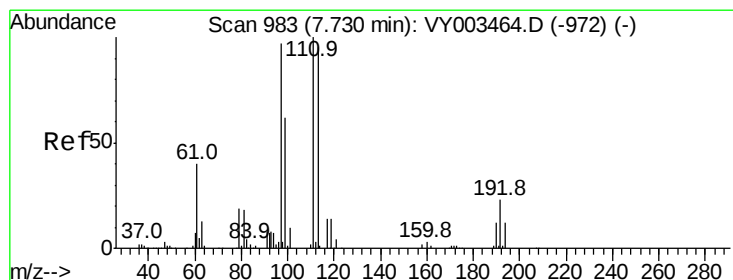
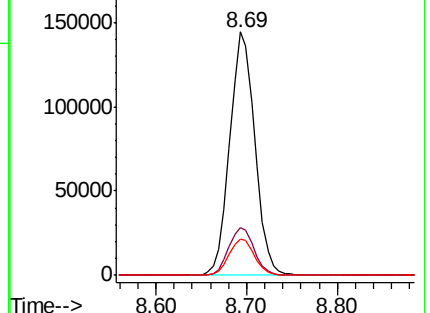
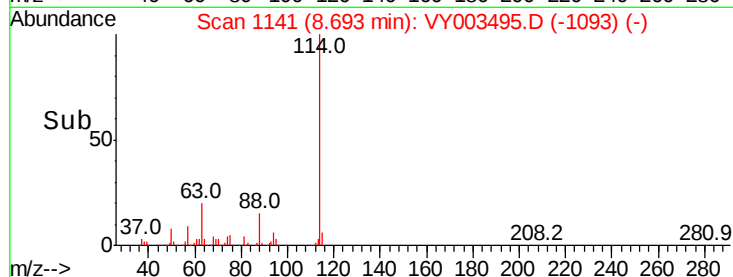
88 14.8 0.0 29.4



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: 53.786 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

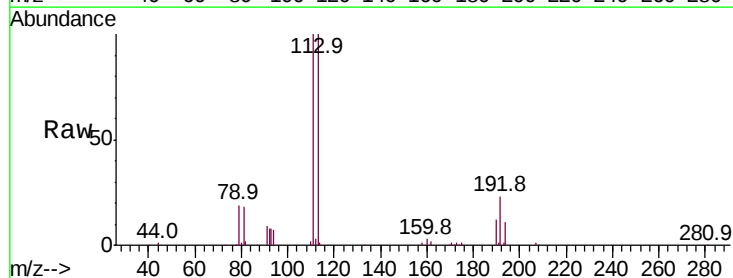
Tgt Ion:113 Resp: 90973

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

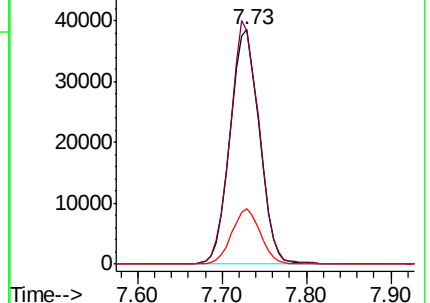
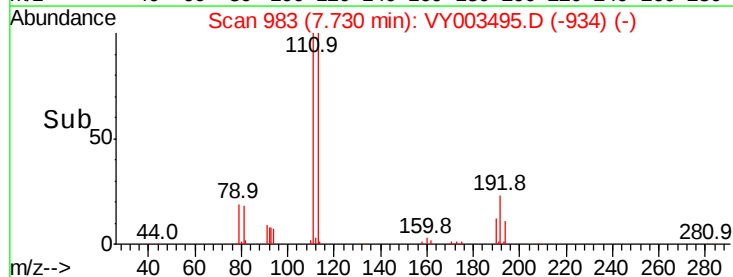
192 23.0 18.8 28.2

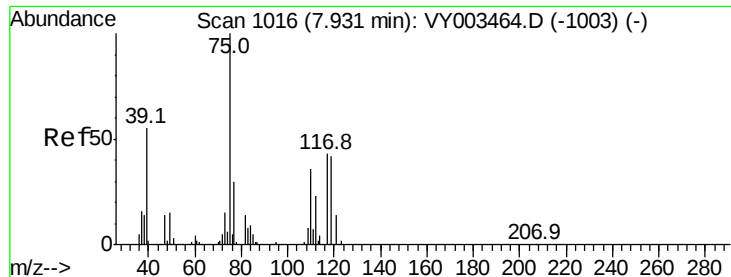


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.169 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

Instrument :

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12016

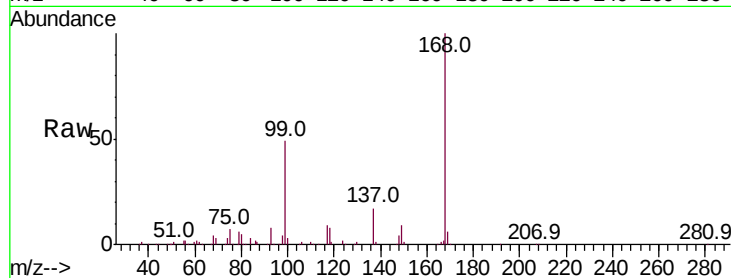
Tot Ion: 75 Resp: 10926

Ion Ratio Lower Upper

75 100

110 9.2 17.6 52.9#

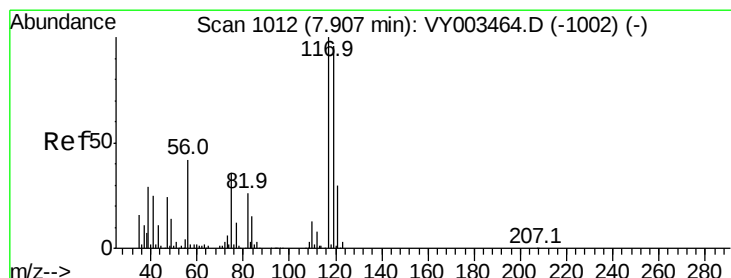
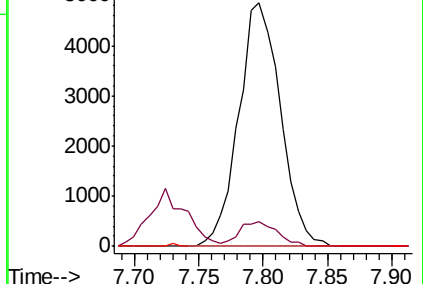
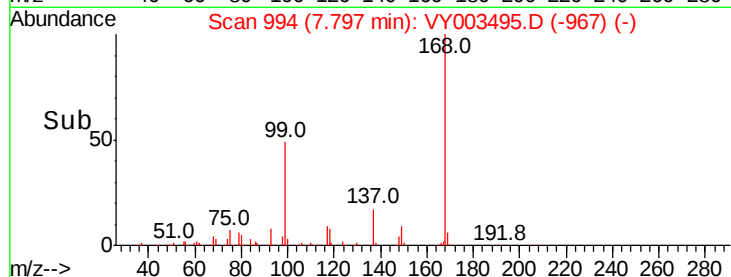
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#38

Carbon Tetrachloride

Concen: 5.131 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

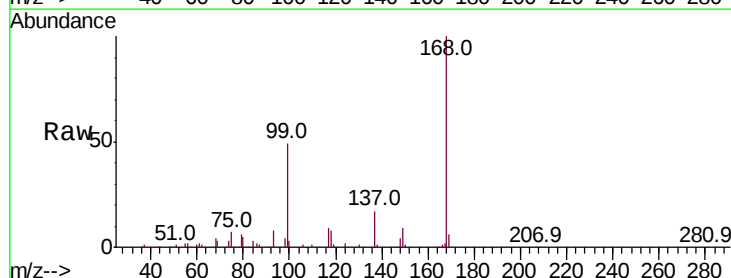
Tgt Ion: 117 Resp: 13949

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.4#

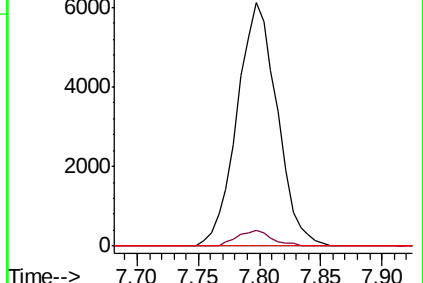
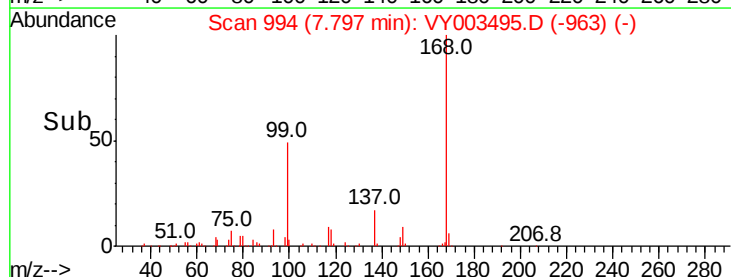
121 0.0 24.2 36.4#

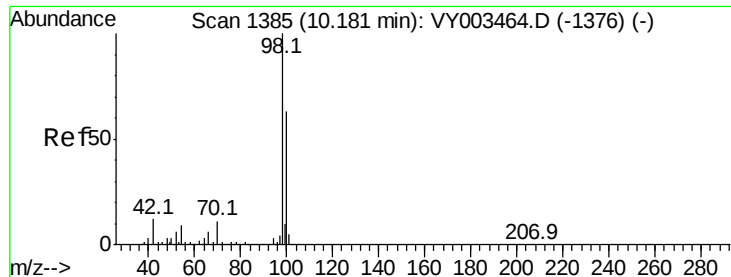


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.064 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

Instrument :

MSVOA_Y

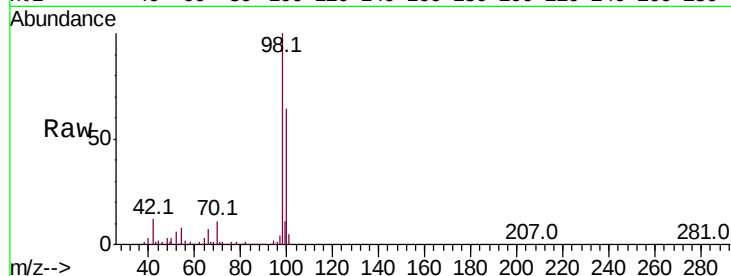
ClientSampled :
12016

Tot Ion: 98 Resp: 338189

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY003464.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY003464.D (-1376) (-)

10.18

200000

150000

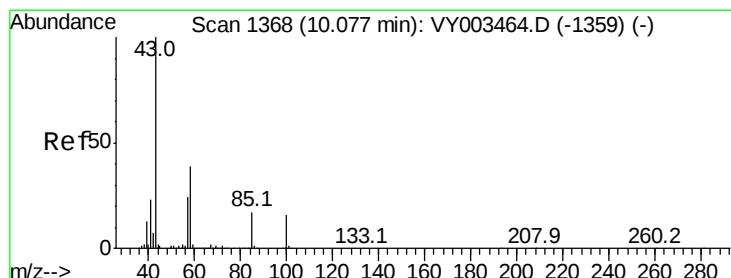
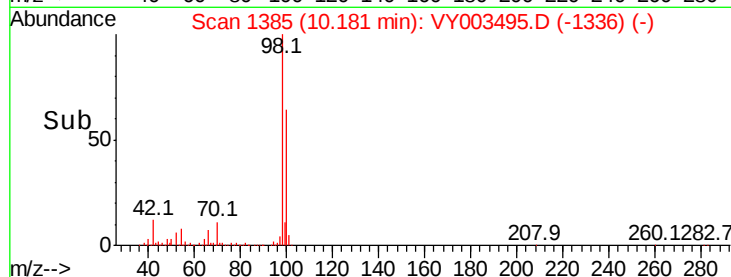
100000

50000

0

10.10 10.20 10.30

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.024 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY003495.D

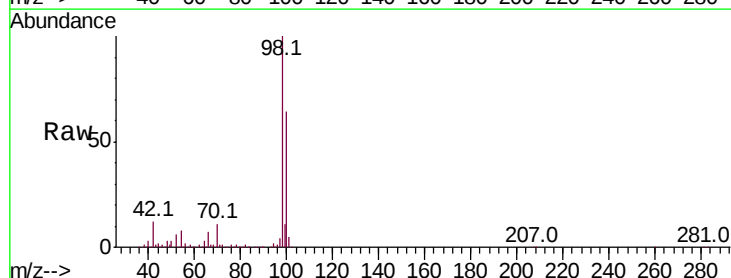
Acq: 03 Nov 2020 16:18

Tgt Ion: 43 Resp: 1596

Ion Ratio Lower Upper

43 100

58 182.5 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VY003464.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY003464.D (-1359) (-)

2000

1500

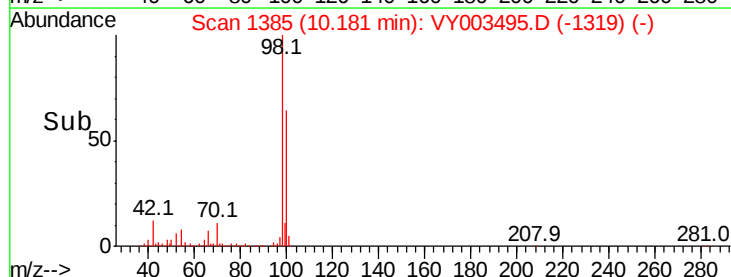
1000

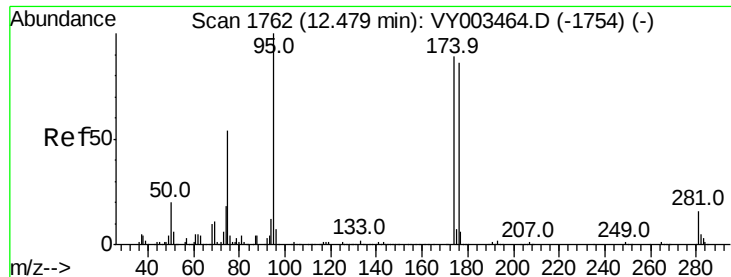
500

0

10.15 10.20

Time-->

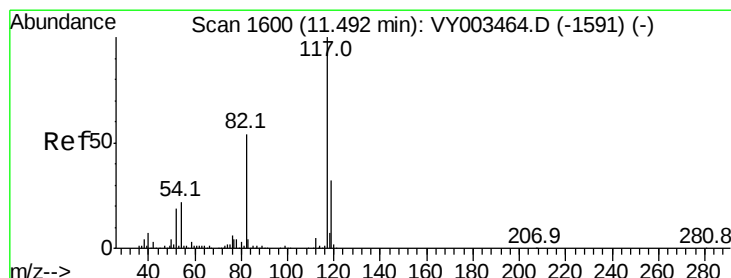
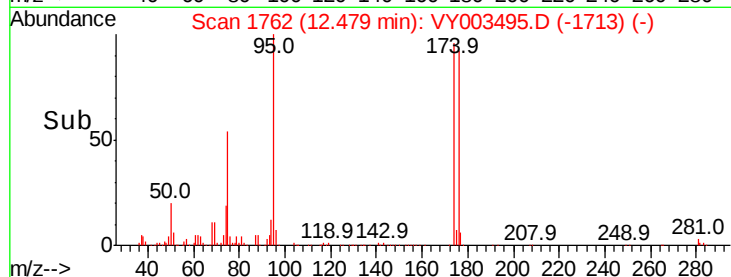
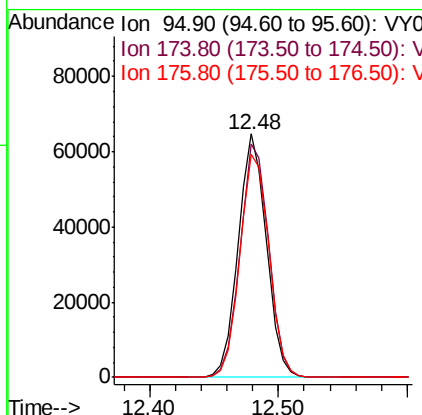
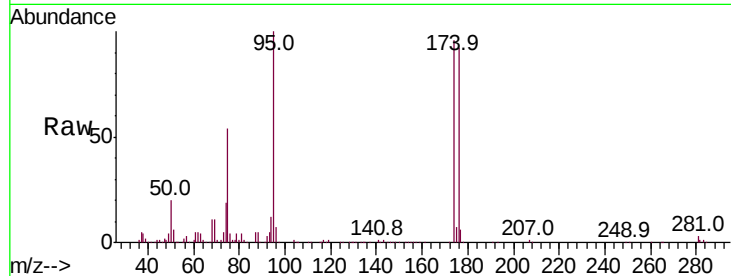




#62
4-Bromofluorobenzene
Concen: 41.957 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003495.D
Acq: 03 Nov 2020 16:18

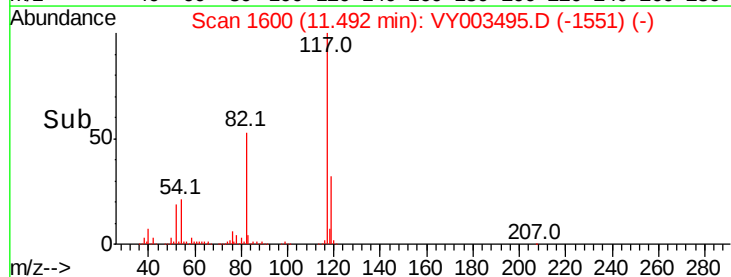
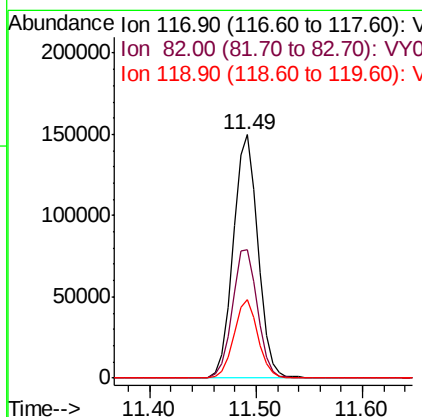
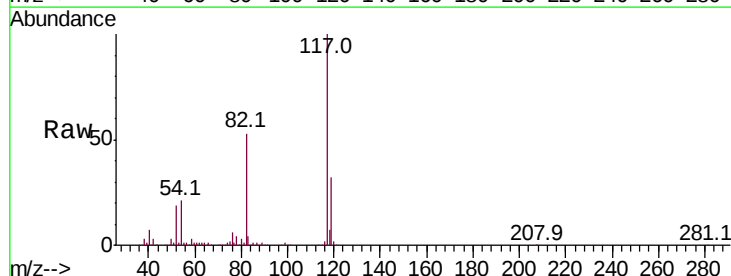
Instrument :
MSVOA_Y
ClientSampleId :
12016

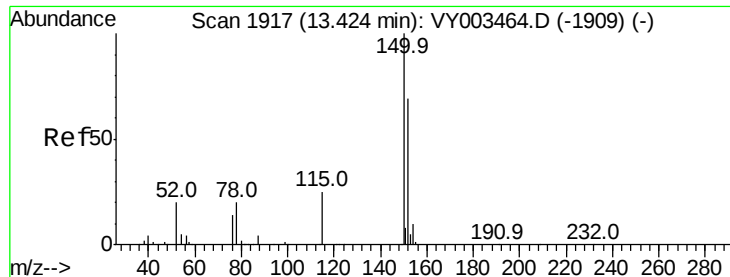
Tot Ion: 95 Resp: 97816
Ion Ratio Lower Upper
95 100
174 97.4 0.0 193.0
176 94.4 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003495.D
Acq: 03 Nov 2020 16:18

Tgt Ion: 117 Resp: 243806
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.2
119 32.4 25.8 38.6



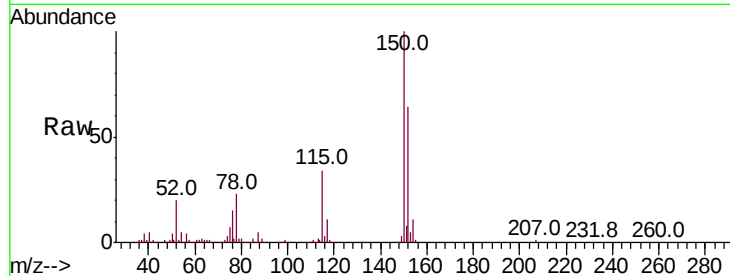


#72

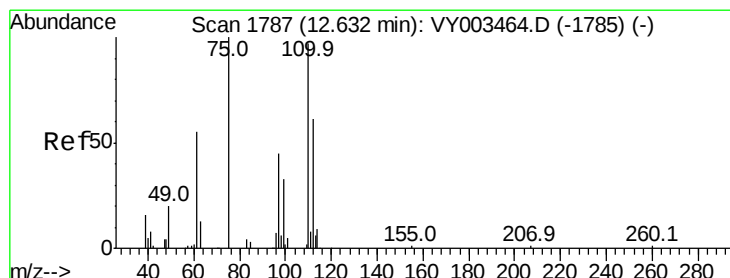
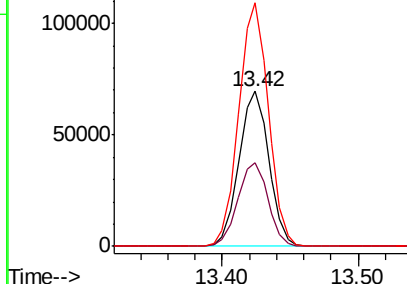
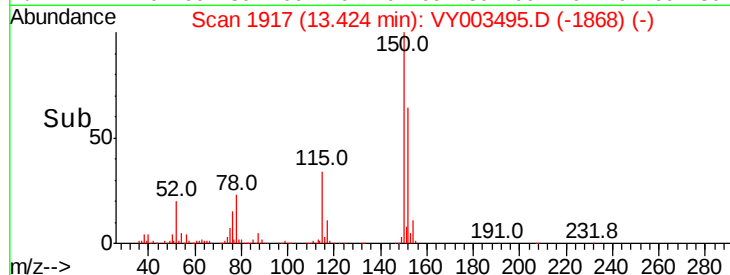
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003495.D
Acq: 03 Nov 2020 16:18

Instrument :
MSVOA_Y
ClientSampled :
12016

Tot Ion:152 Resp: 106917
Ion Ratio Lower Upper
152 100
115 54.3 27.5 82.4
150 155.2 0.0 345.8



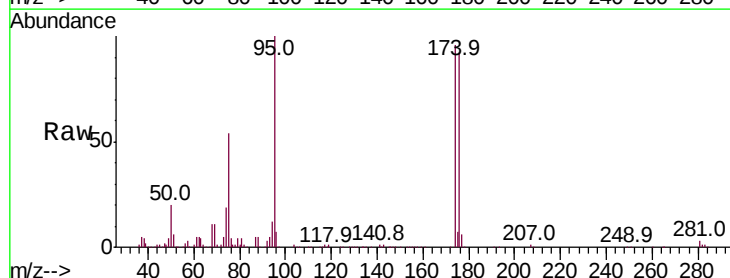
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



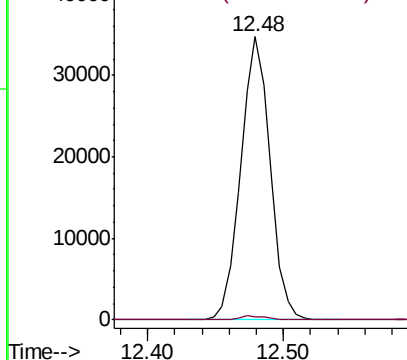
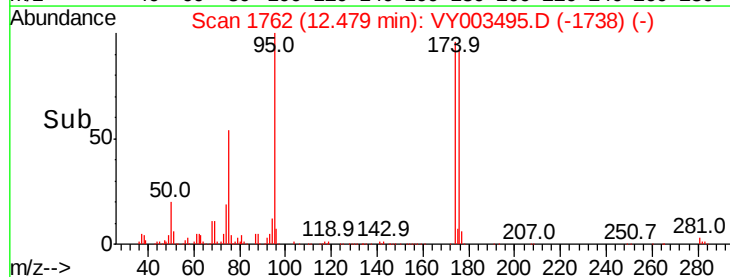
#76

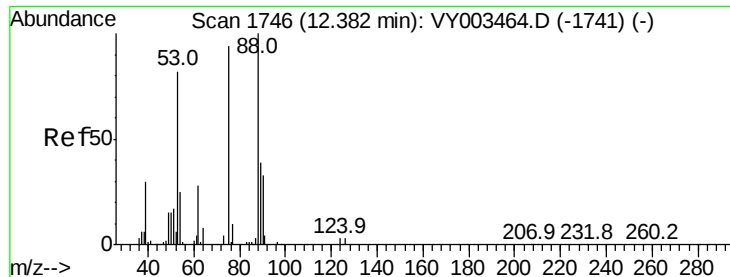
1,2,3-Trichloropropane
Concen: 46.305 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003495.D
Acq: 03 Nov 2020 16:18

Tgt Ion: 75 Resp: 52383
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: 96.646 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

12016

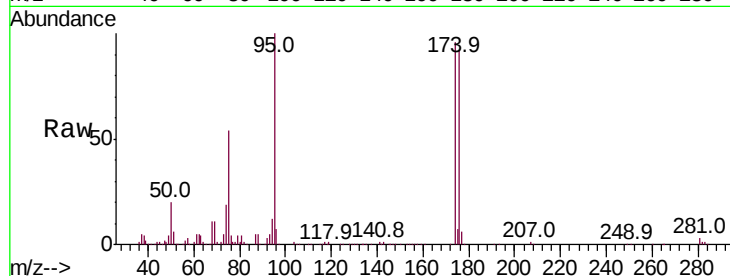
Tot Ion: 75 Resp: 52383

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

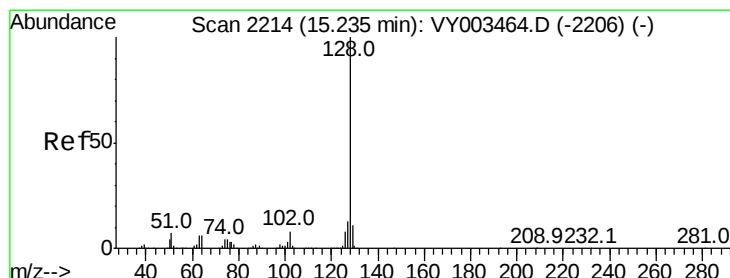
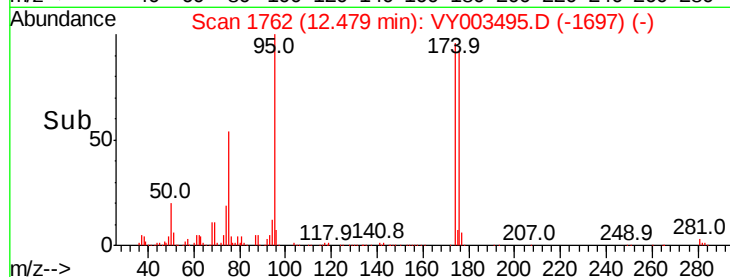
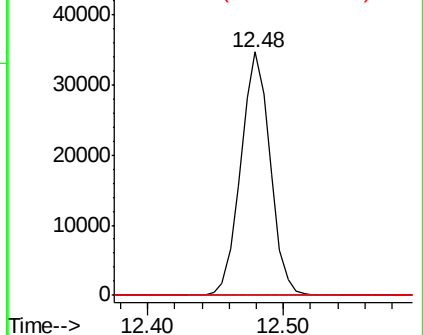
89 0.1 35.8 53.8#



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



#95

Naphthalene

Concen: 1.659 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003495.D

Acq: 03 Nov 2020 16:18

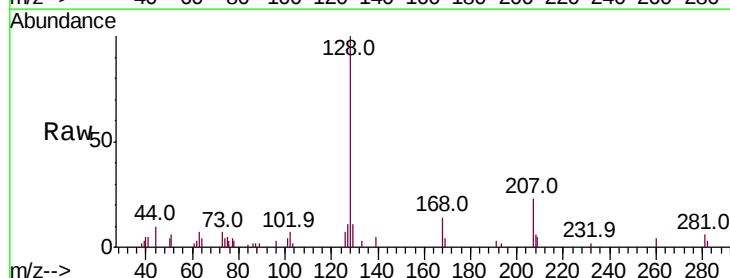
Tgt Ion: 128 Resp: 6899

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 9.8 8.6 13.0



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

