

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110520\
 Data File : VY003520.D
 Acq On : 05 Nov 2020 12:29
 Operator : SY/MD
 Sample : L4633-03
 Misc : 5.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 05 23:48:59 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	180612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	264346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	238886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	117556	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	85031	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
35) Dibromofluoromethane	7.72	113	73410	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
50) Toluene-d8	10.18	98	281378	42.05	ug/l	0.00
Spiked Amount			Recovery	=	84.10%	
62) 4-Bromofluorobenzene	12.48	95	90239	40.70	ug/l	0.00
Spiked Amount			Recovery	=	81.40%	

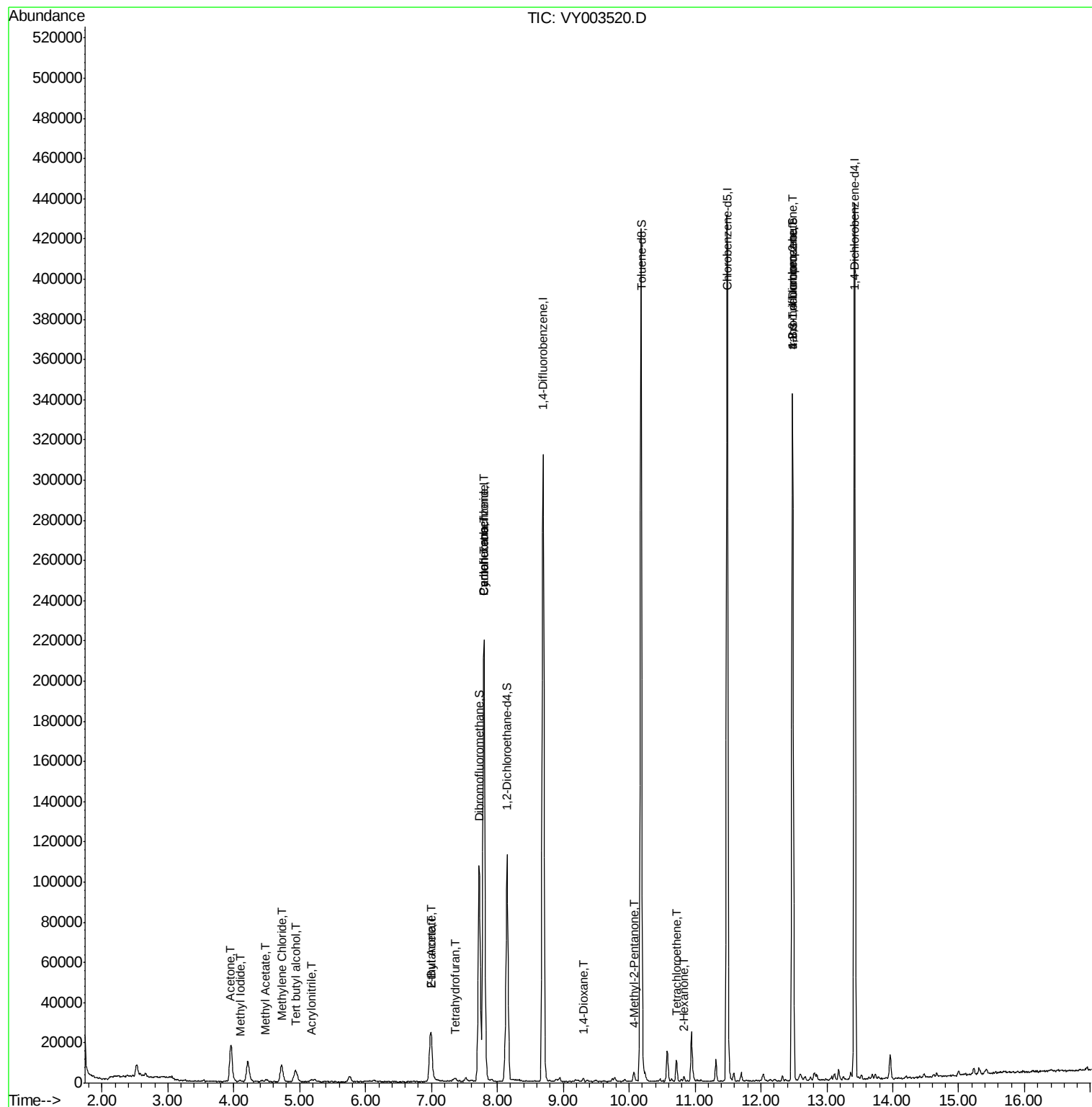
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	925	5.157	ug/l #	57
11) Tert butyl alcohol	4.94	59	6351	14.768	ug/l #	77
15) Acrylonitrile	5.17	53	910	2.074	ug/l #	88
16) Acetone	3.95	43	32552	53.293	ug/l	93
18) Methyl Acetate	4.48	43	1707	1.479	ug/l	93
20) Methylene Chloride	4.72	84	6243	3.629	ug/l	99
25) 2-Butanone	6.99	43	3116	4.079	ug/l #	86
29) Tetrahydrofuran	7.36	42	974	2.440	ug/l #	85
31) Cyclohexane	7.79	56	3599	1.297	ug/l #	1
37) Ethyl Acetate	6.99	43	3116	2.013	ug/l #	24
38) Carbon Tetrachloride	7.80	117	15851	6.130	ug/l #	17
49) 1,4-Dioxane	9.30	88	75	6.238	ug/l #	48
51) 4-Methyl-2-Pentanone	10.07	43	3560	2.402	ug/l	92
59) 2-Hexanone	10.83	43	1539	1.403	ug/l	99
64) Tetrachloroethene	10.72	164	2519	1.412	ug/l	89
76) 1,2,3-Trichloropropane	12.48	75	47595	38.265	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	47595	79.865	ug/l #	12

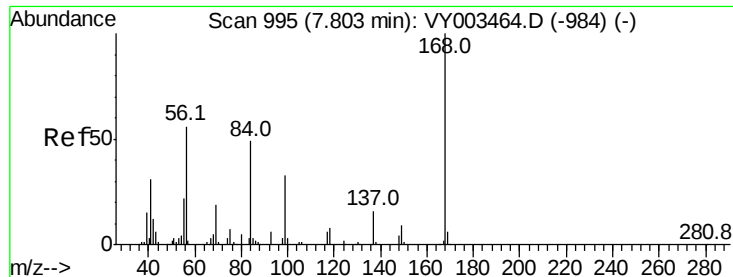
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003520.D

Acq: 05 Nov 2020 12:29

Instrument :

MSVOA_Y

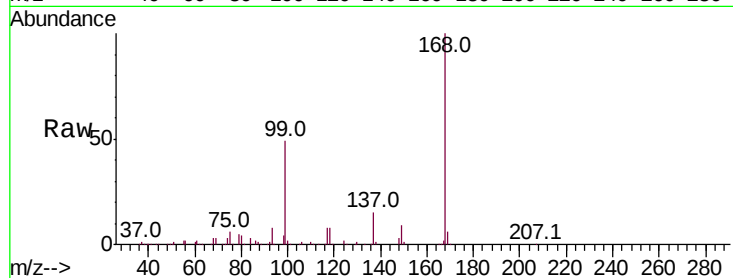
ClientSampleId :

Tot Ion:168 Resp: 180612

Ion Ratio Lower Upper

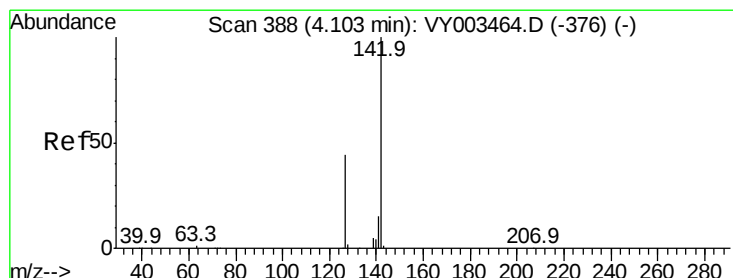
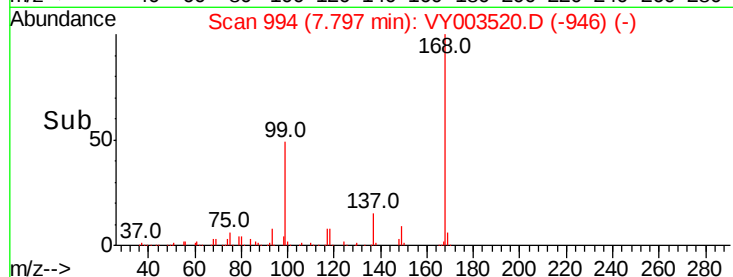
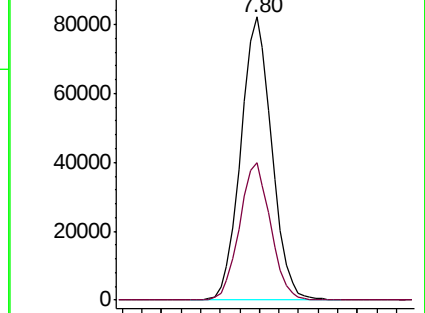
168 100

99 48.5 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: 5.157 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

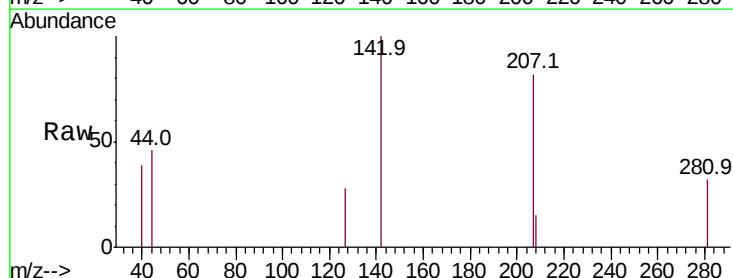
Tgt Ion:142 Resp: 925

Ion Ratio Lower Upper

142 100

127 12.4 34.5 51.7#

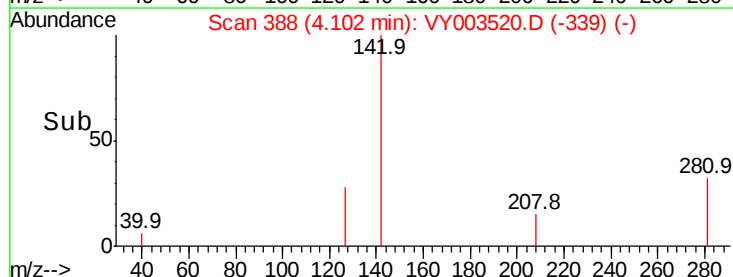
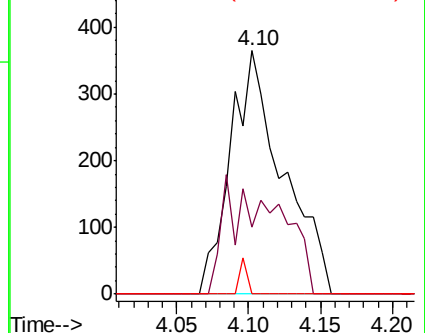
141 2.2 11.8 17.8#

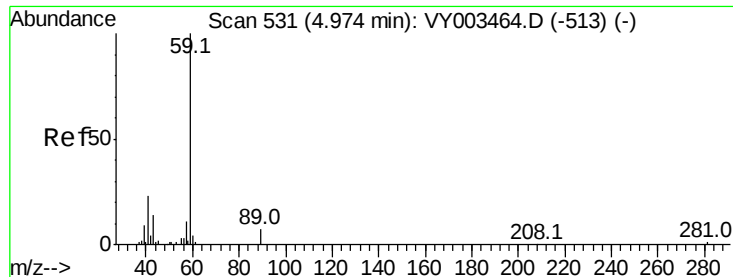


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



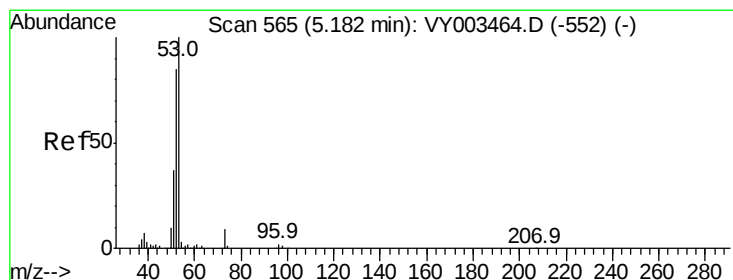
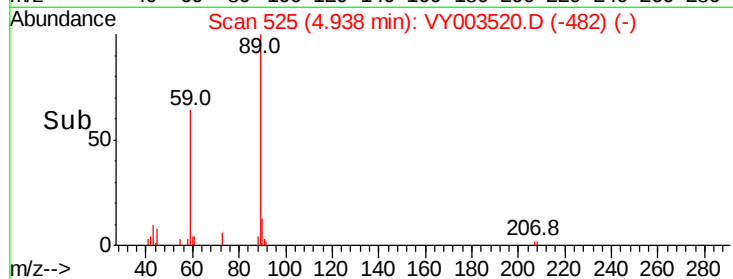
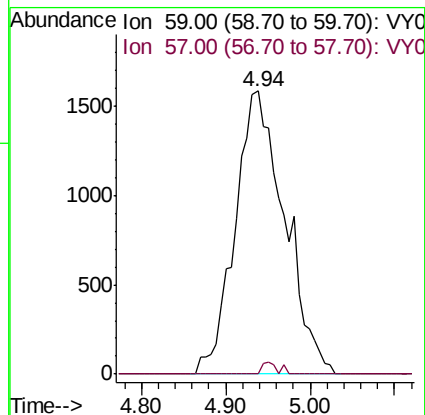
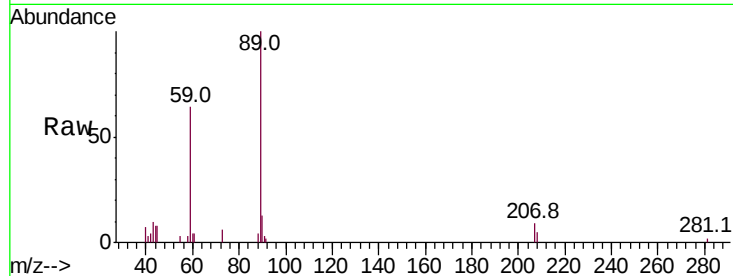


#11

Tert butyl alcohol
 Concen: 14.768 ug/l
 RT: 4.94 min Scan# 525
 Delta R.T. -0.04 min
 Lab File: VY003520.D
 Acq: 05 Nov 2020 12:29

Instrument :
 MSVOA_Y
 ClientSampleId :

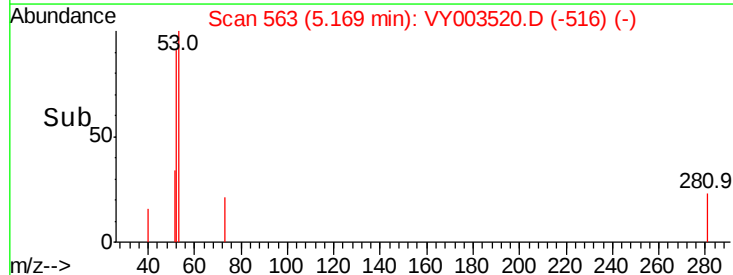
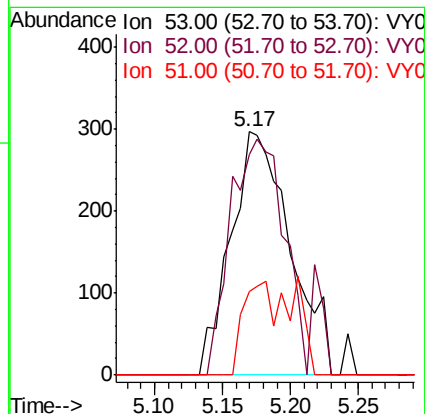
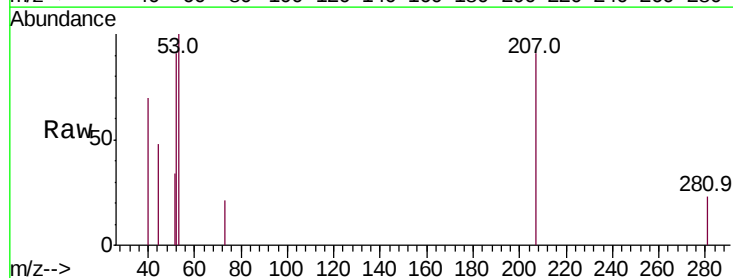
Tot Ion: 59 Resp: 6351
 Ion Ratio Lower Upper
 59 100
 57 1.4 7.9 11.9#

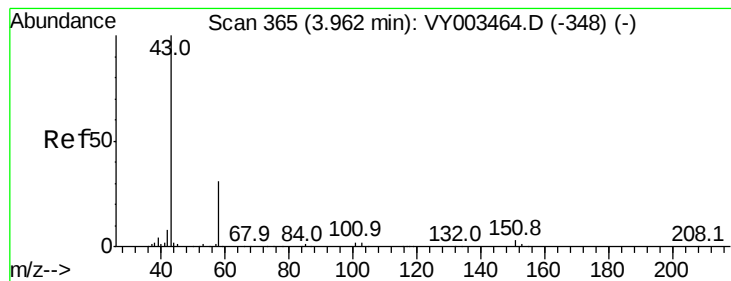


#15

Acrylonitrile
 Concen: 2.074 ug/l
 RT: 5.17 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VY003520.D
 Acq: 05 Nov 2020 12:29

Tgt Ion: 53 Resp: 910
 Ion Ratio Lower Upper
 53 100
 52 87.5 66.9 100.3
 51 18.5 29.3 43.9#





#16

Acetone

Concen: 53.293 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

Instrument :

MSVOA_Y

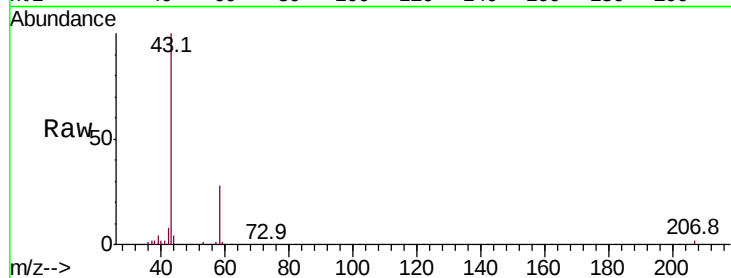
ClientSampled :

Tot Ion: 43 Resp: 32552

Ion Ratio Lower Upper

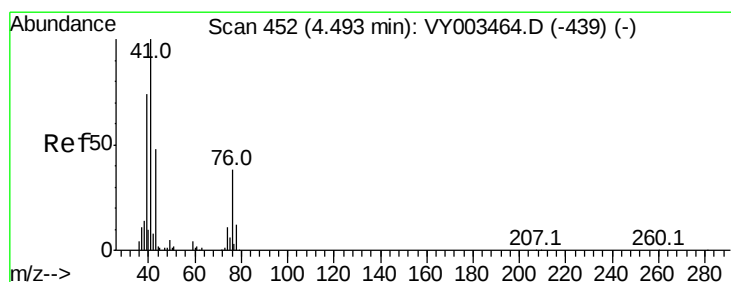
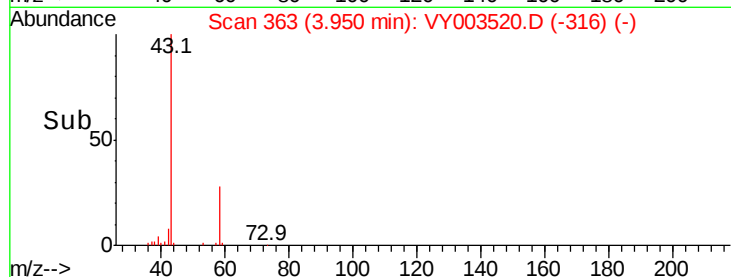
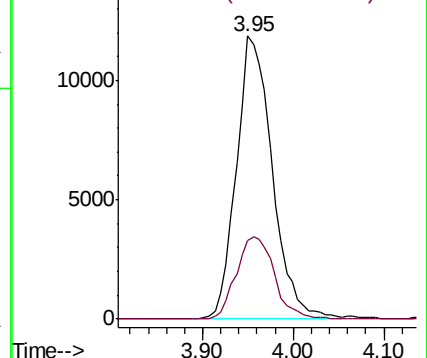
43 100

58 27.6 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.479 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003520.D

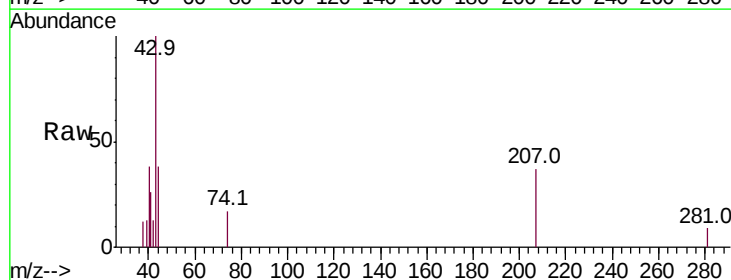
Acq: 05 Nov 2020 12:29

Tgt Ion: 43 Resp: 1707

Ion Ratio Lower Upper

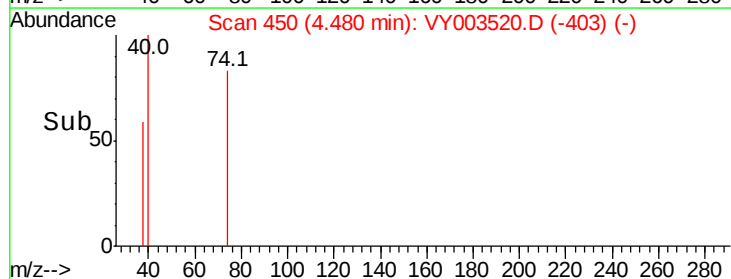
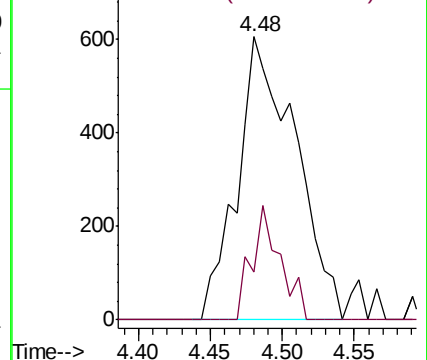
43 100

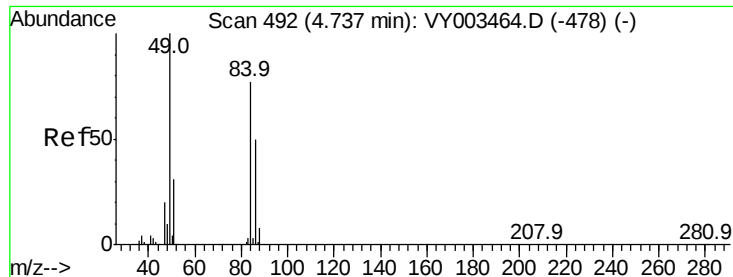
74 19.7 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

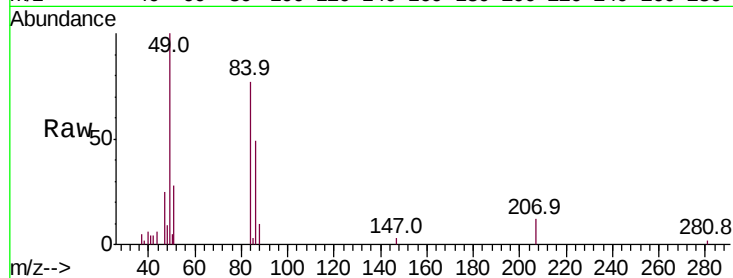




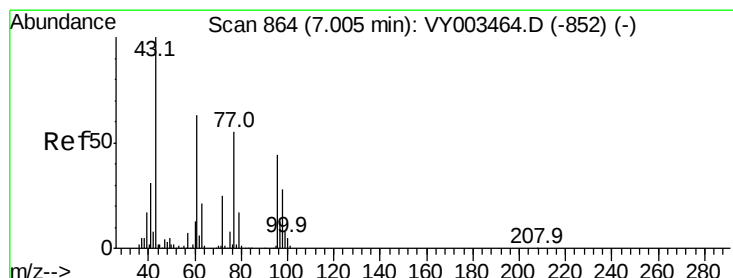
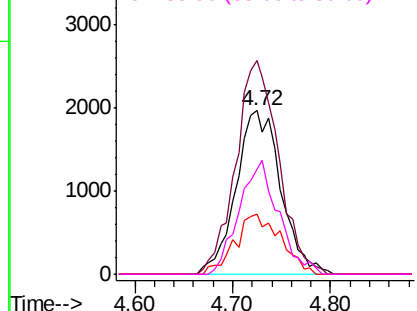
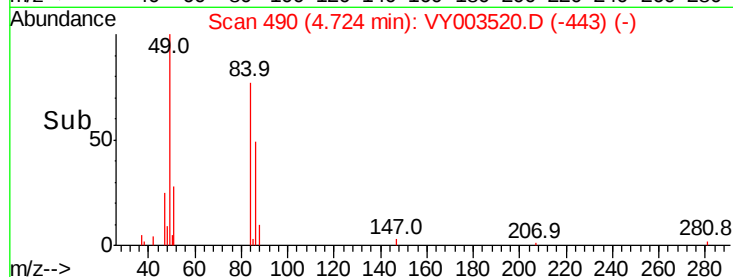
#20
Methvlene Chloride
Concen: 3.629 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 6243
Ion Ratio Lower Upper
84 100
49 130.5 104.3 156.5
51 37.0 32.5 48.7
86 64.5 52.5 78.7

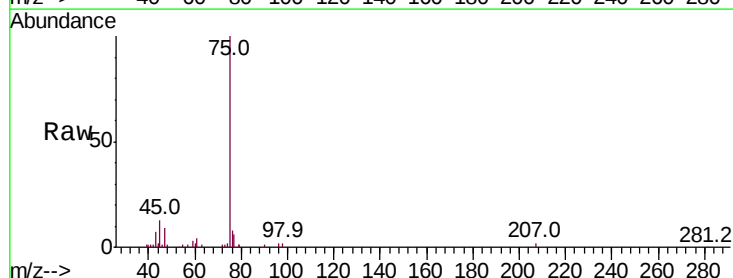


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

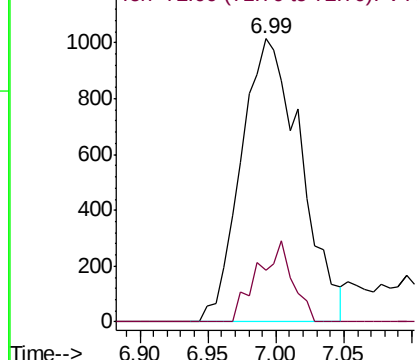
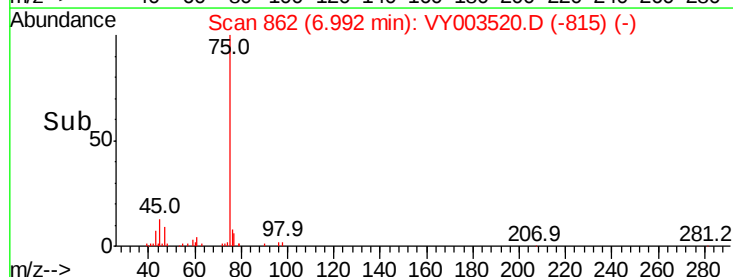


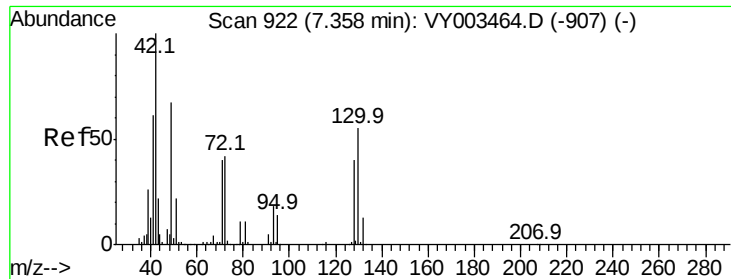
#25
2-Butanone
Concen: 4.079 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Tgt Ion: 43 Resp: 3116
Ion Ratio Lower Upper
43 100
72 18.2 20.1 30.1#



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

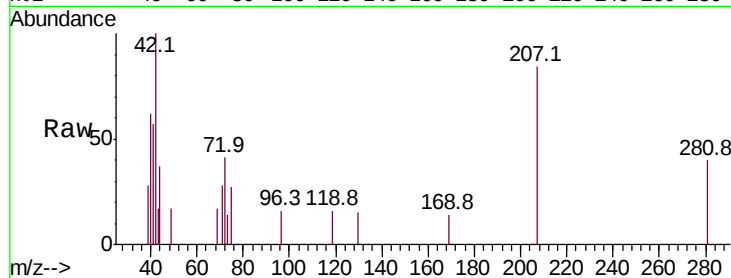




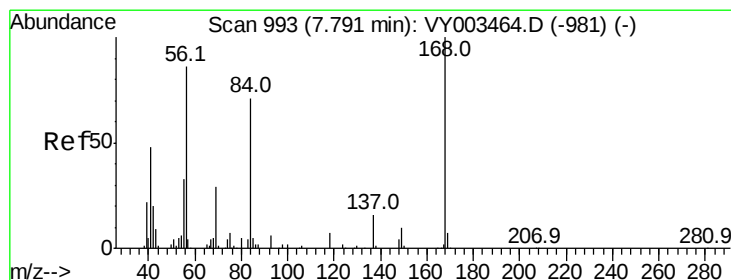
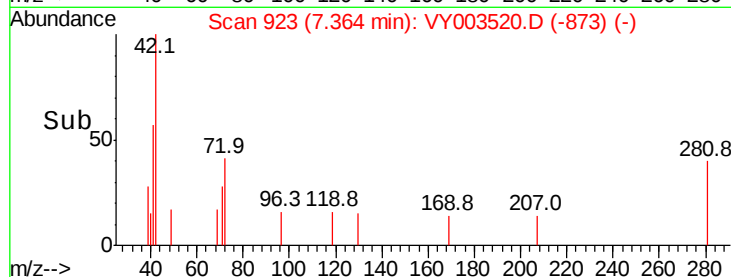
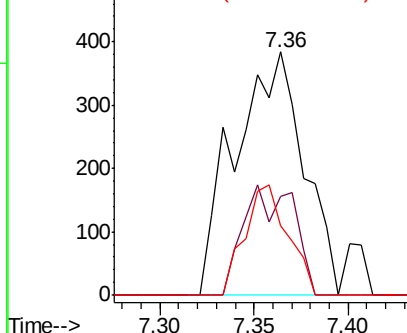
#29
Tetrahydrofuran
Concen: 2.440 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.8	32.8	49.2#
71	28.2	30.7	46.1#

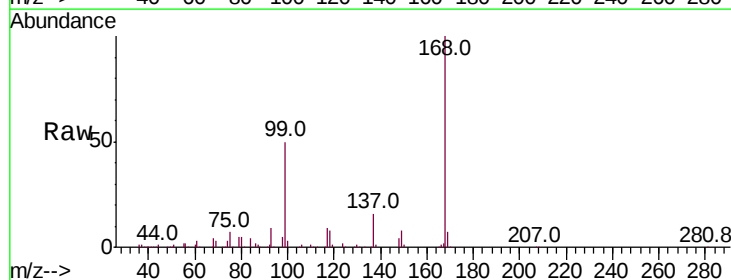


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

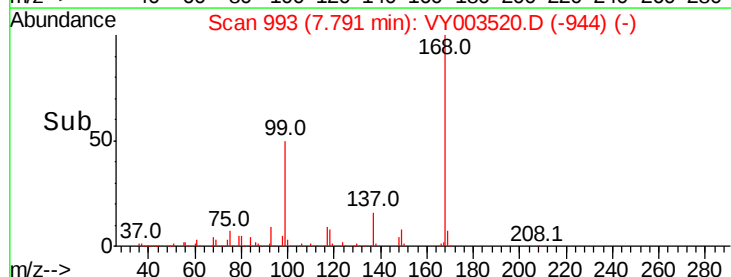
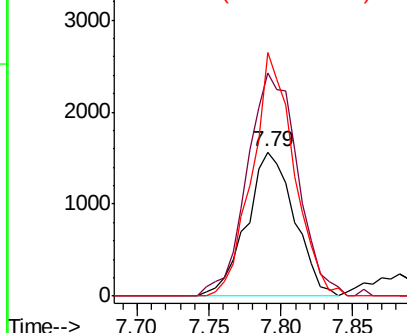


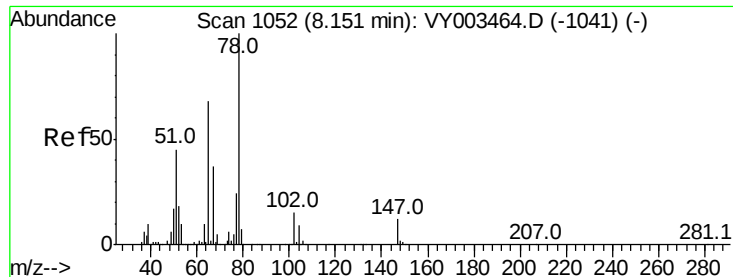
#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
56	100		
69	154.8	26.6	39.8#
84	168.8	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: 45.923 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

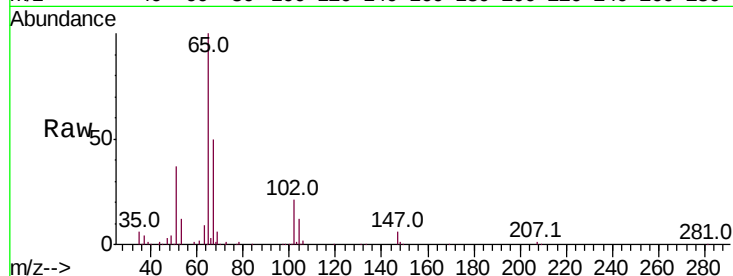
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 85031

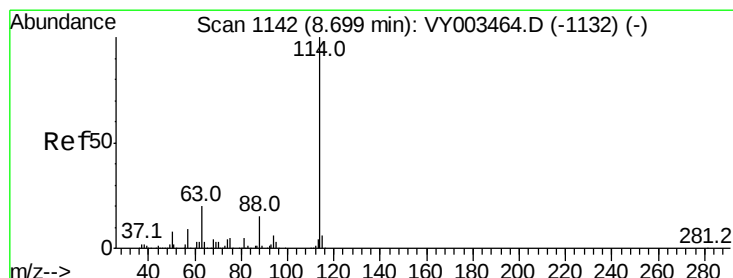
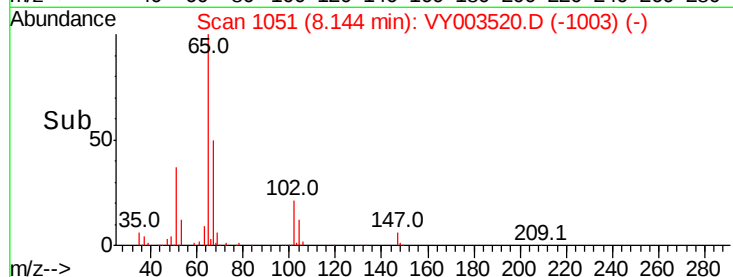
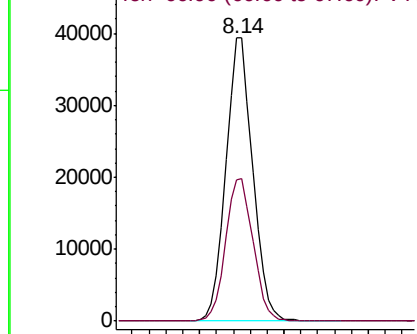
Ion Ratio Lower Upper

65 100

67 51.5 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: VY003520.D

Acq: 05 Nov 2020 12:29

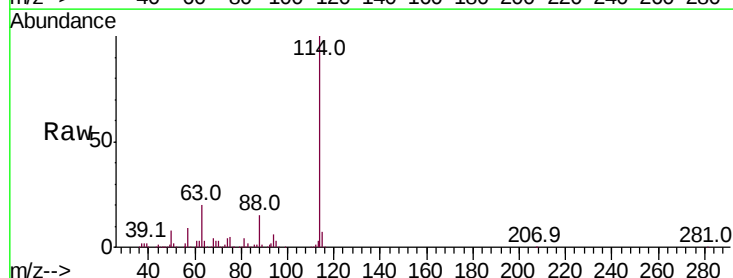
Tgt Ion: 114 Resp: 264346

Ion Ratio Lower Upper

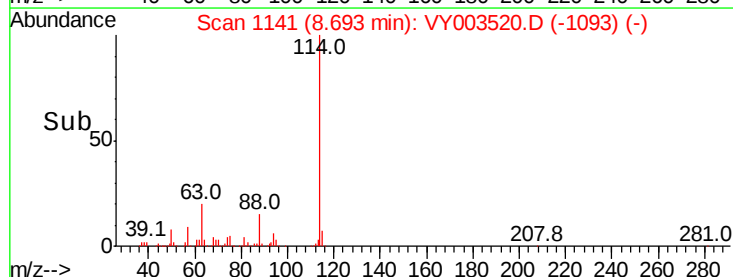
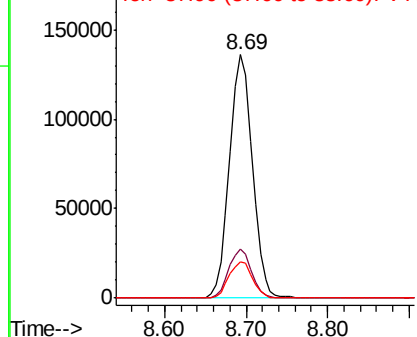
114 100

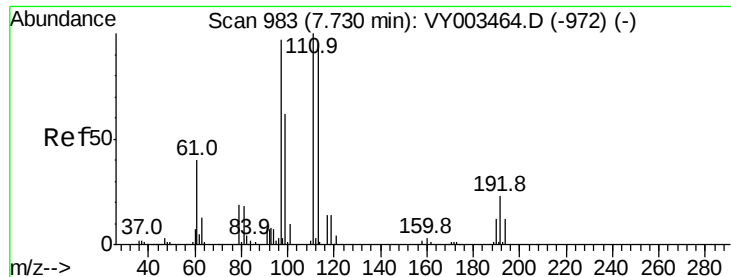
63 20.3 0.0 40.6

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: 45.636 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

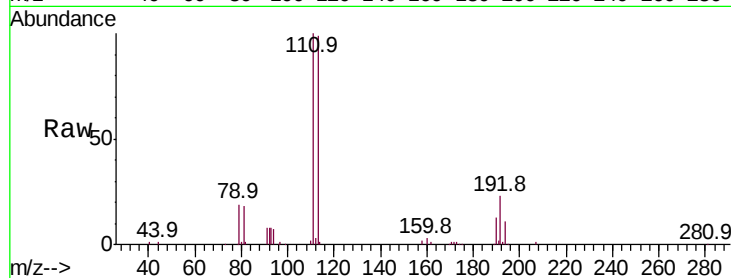
Tot Ion:113 Resp: 73410

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

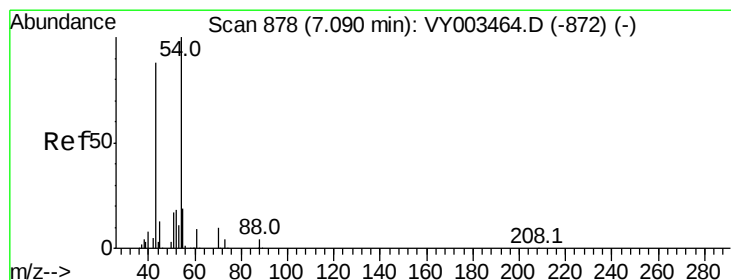
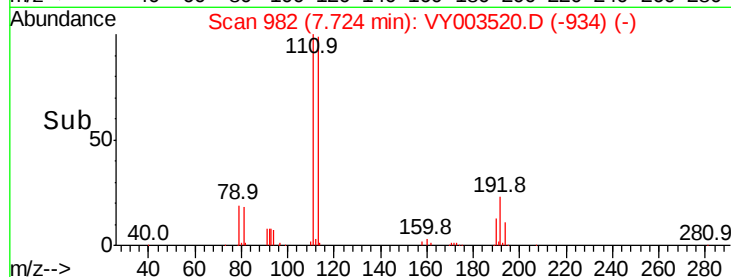
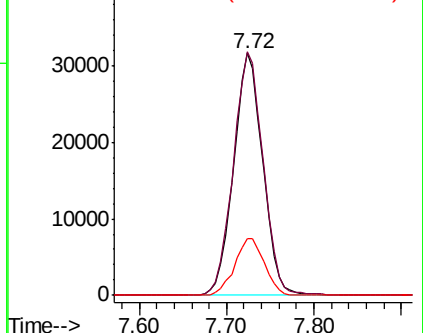
192 23.8 18.8 28.2



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



#37

Ethyl Acetate

Concen: 2.013 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.10 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

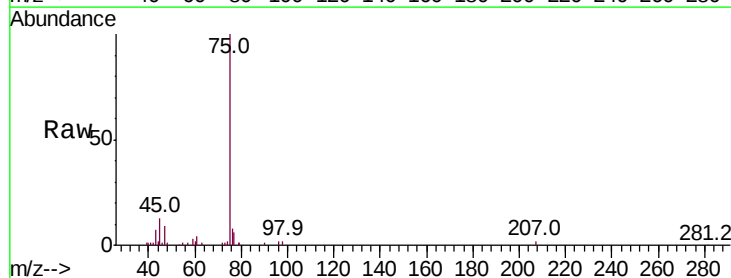
Tgt Ion: 43 Resp: 3116

Ion Ratio Lower Upper

43 100

61 58.5 11.0 16.6#

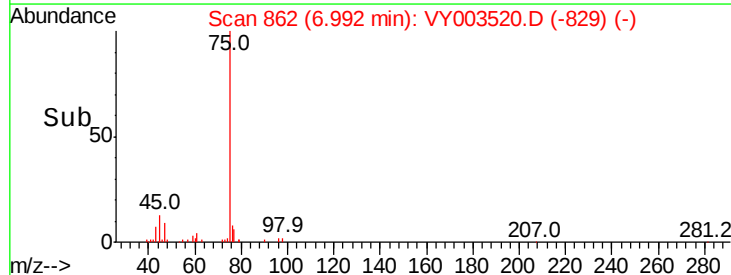
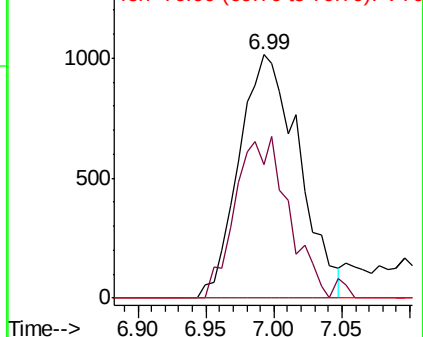
70 0.0 7.9 11.9#

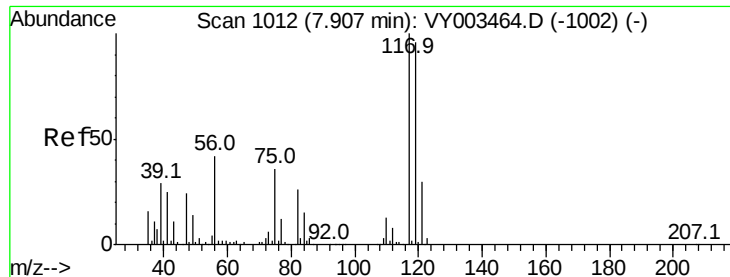


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 6.130 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

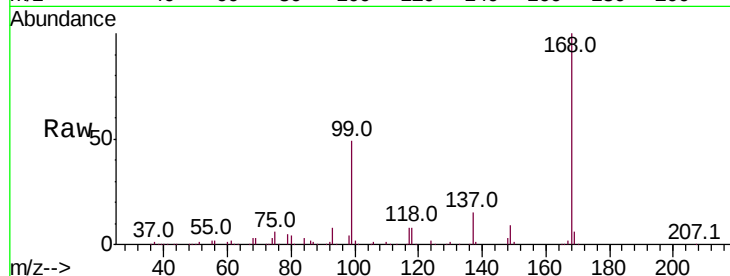
Tot Ion:117 Resp: 15851

Ion Ratio Lower Upper

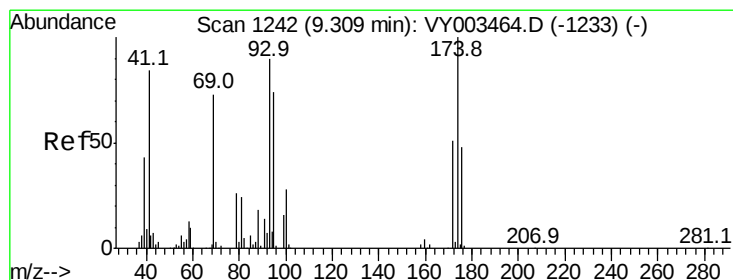
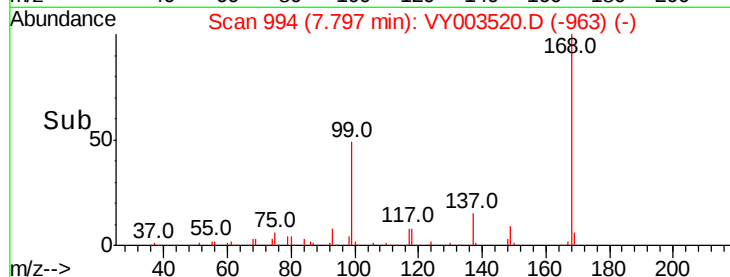
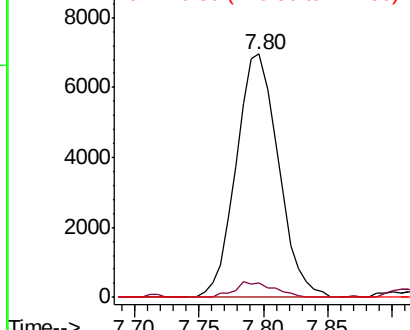
117 100

119 5.8 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



#49

1,4-Dioxane

Concen: 6.238 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

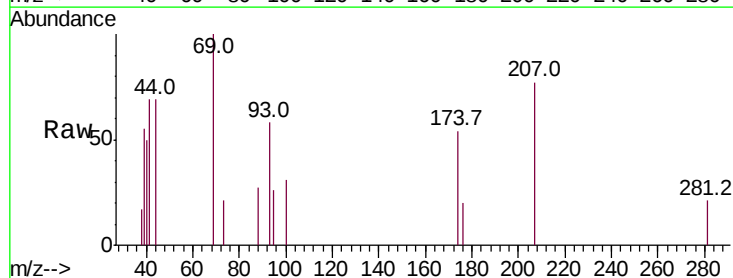
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

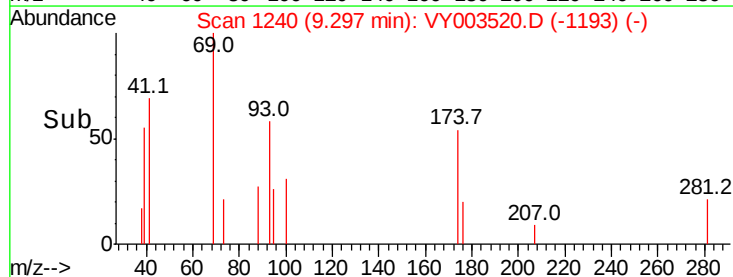
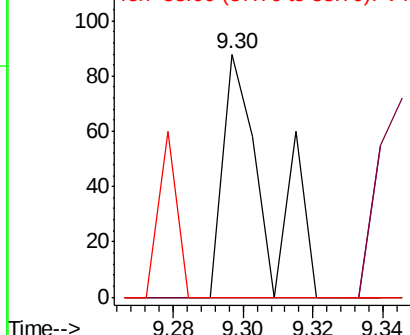
88 100

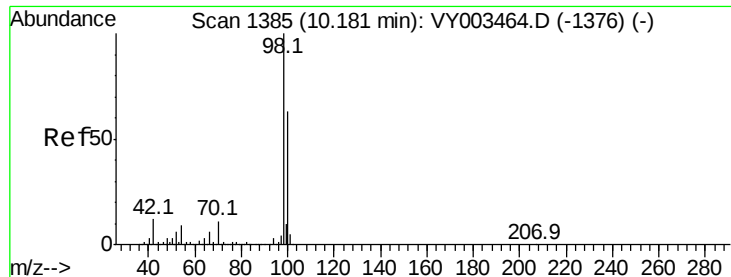
43 0.0 27.6 41.4#

58 29.3 54.2 81.2#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 42.047 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

Instrument :

MSVOA_Y

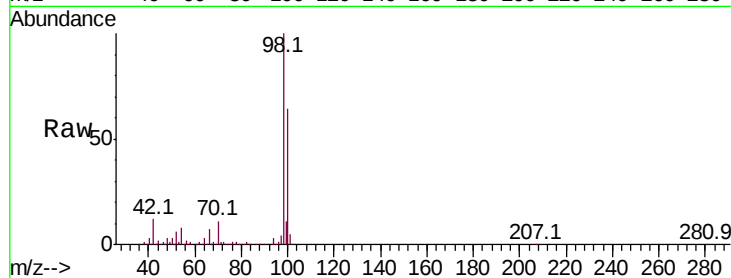
ClientSampleId :

Tot Ion: 98 Resp: 281378

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

150000

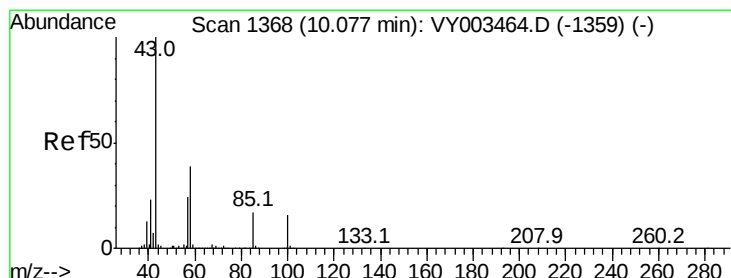
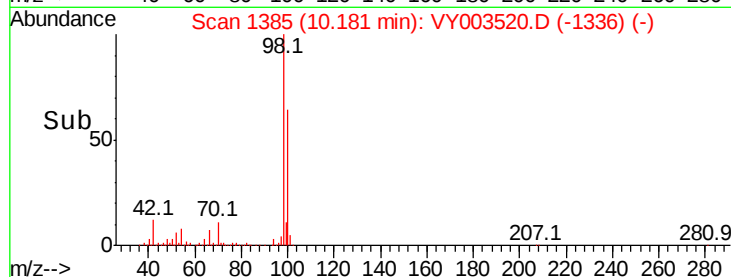
100000

50000

0

Time-->

10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 2.402 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003520.D

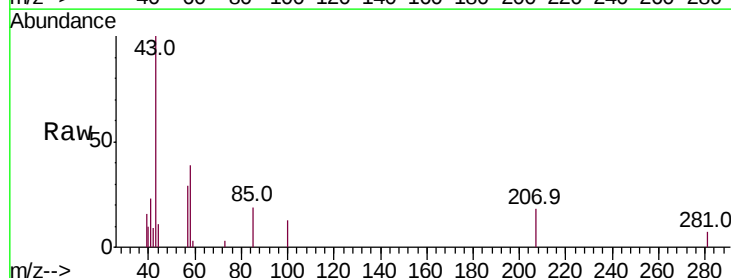
Acq: 05 Nov 2020 12:29

Tgt Ion: 43 Resp: 3560

Ion Ratio Lower Upper

43 100

58 33.7 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2000

1500

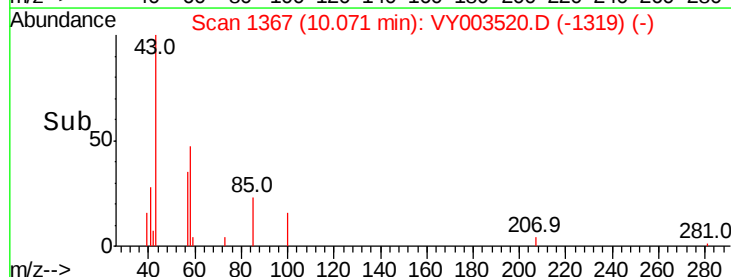
1000

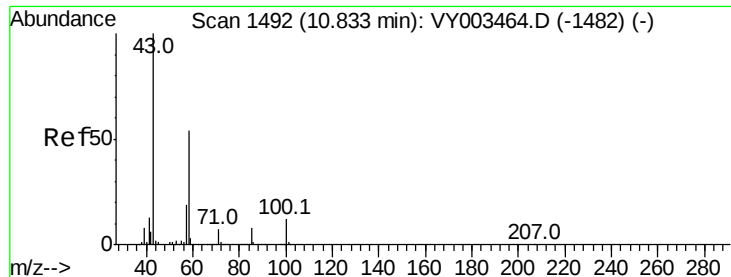
500

0

Time-->

10.00 10.10

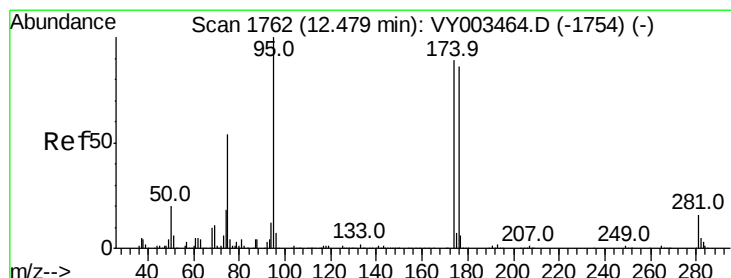
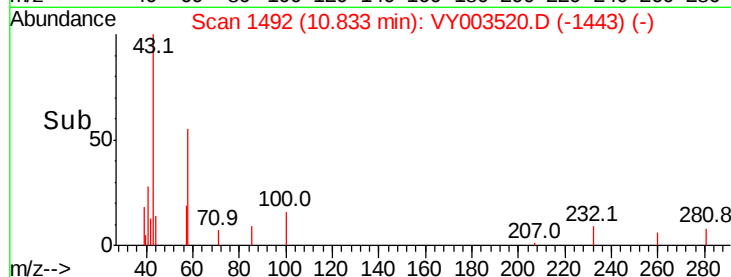
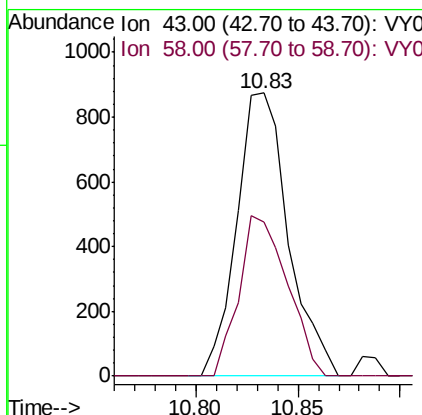
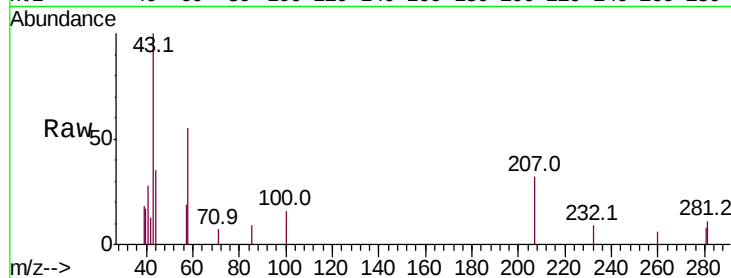




#59
2-Hexanone
Concen: 1.403 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

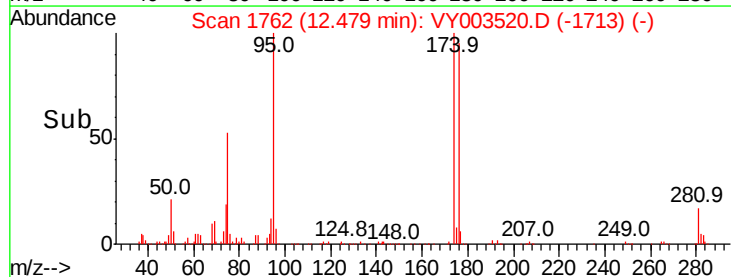
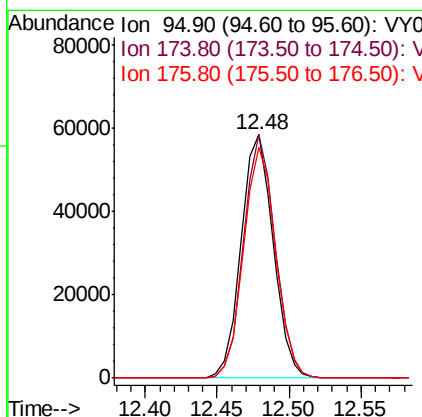
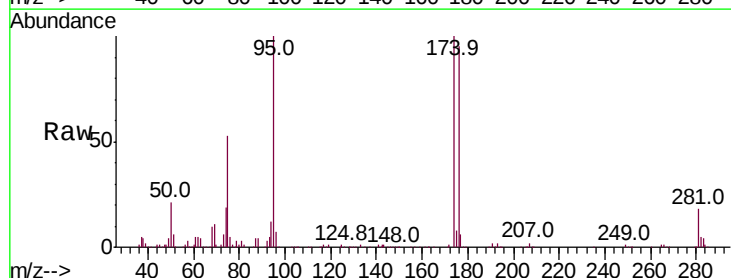
Instrument :
MSVOA_Y
ClientSampleId :

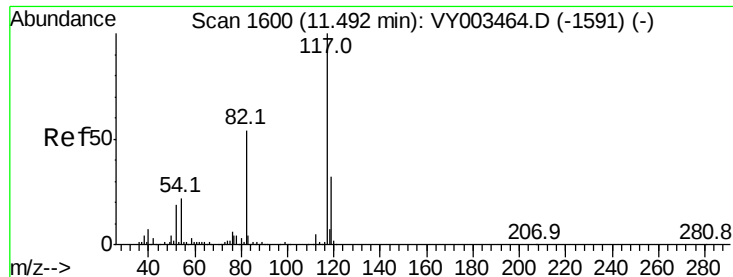
Tot Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 53.0 26.8 80.3



#62
4-Bromofluorobenzene
Concen: 40.699 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Tgt Ion: 95 Resp: 90239
Ion Ratio Lower Upper
95 100
174 98.1 0.0 193.0
176 94.5 0.0 187.4

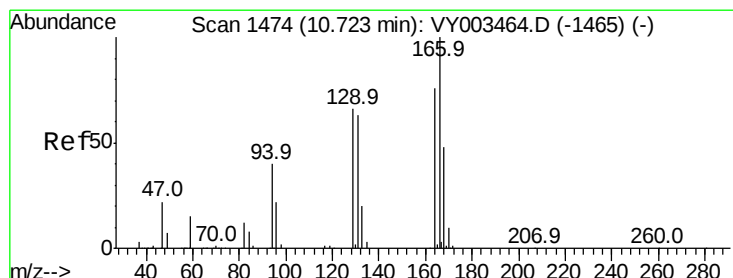
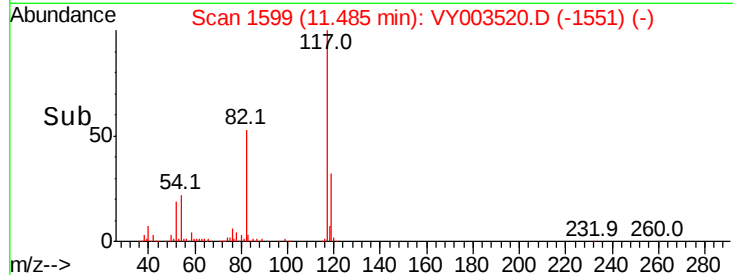
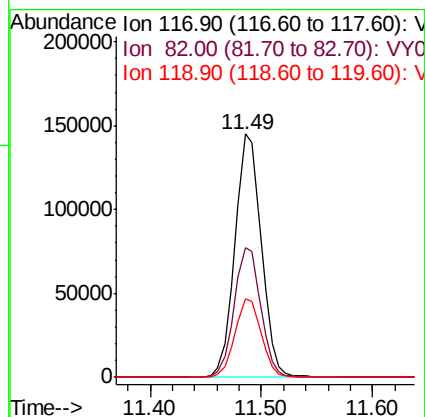
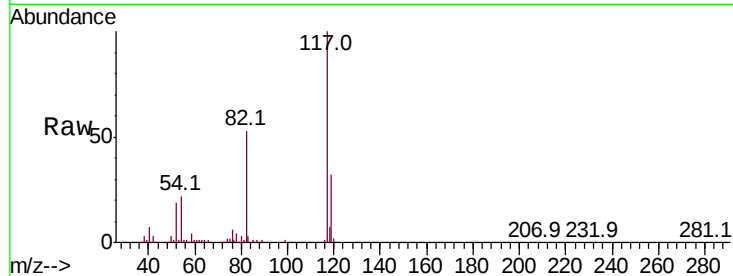




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

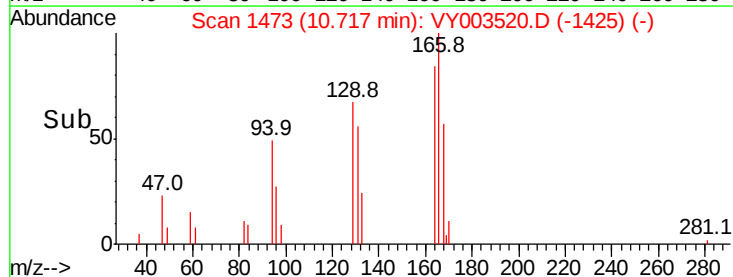
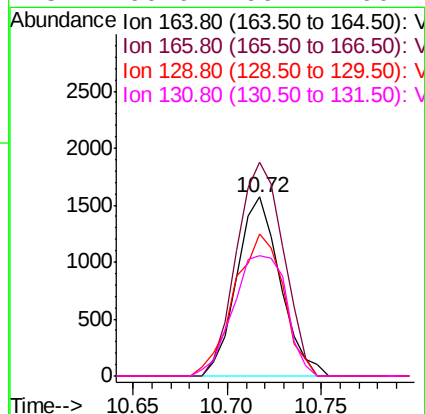
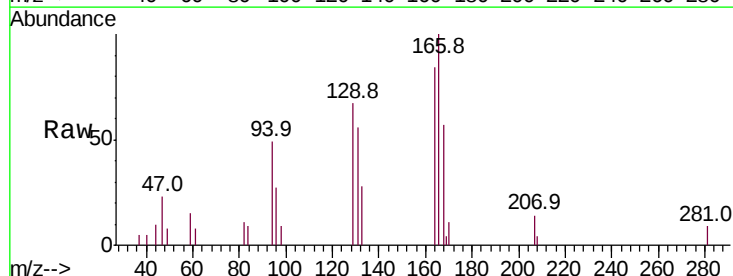
Instrument :
MSVOA_Y
ClientSampled :

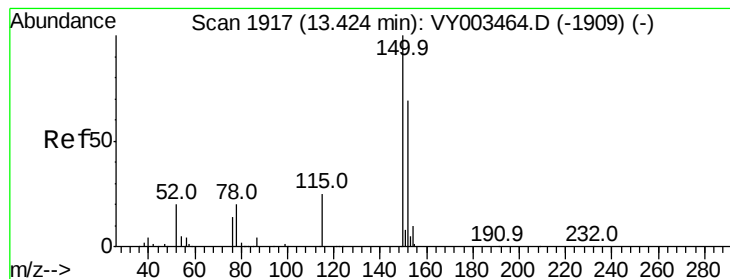
Tot Ion:117 Resp: 238886
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 1.412 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Tgt Ion:164 Resp: 2519
Ion Ratio Lower Upper
164 100
166 119.2 104.9 157.3
129 79.5 68.9 103.3
131 66.9 66.2 99.2



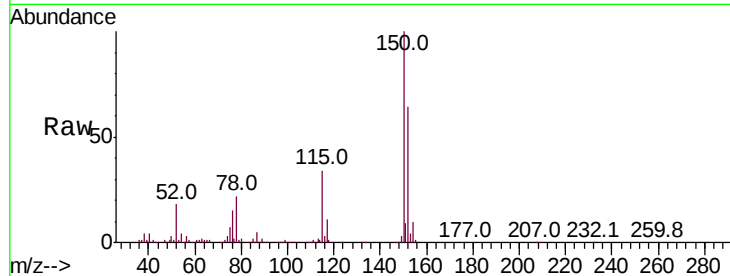


#72

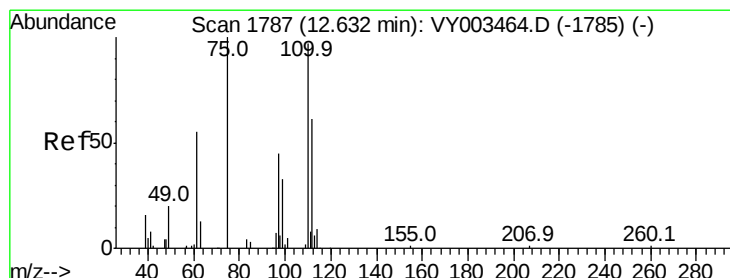
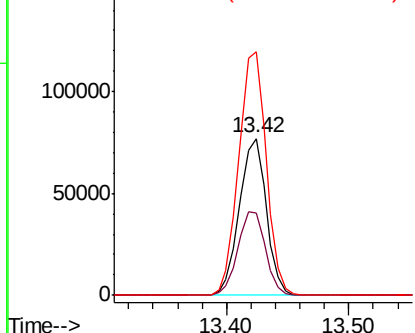
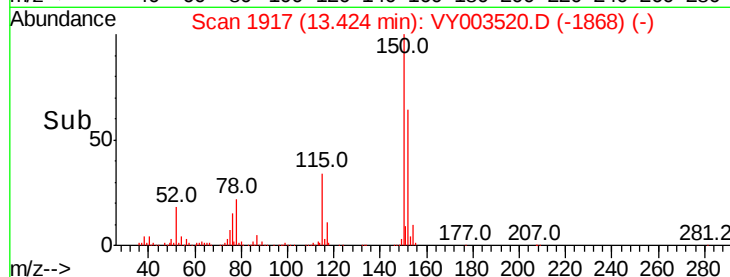
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.5	82.4
150	158.3	0.0	345.8



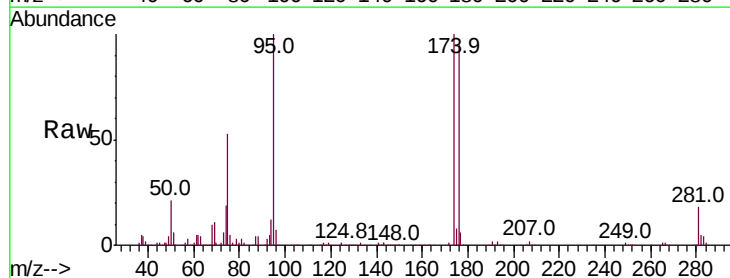
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



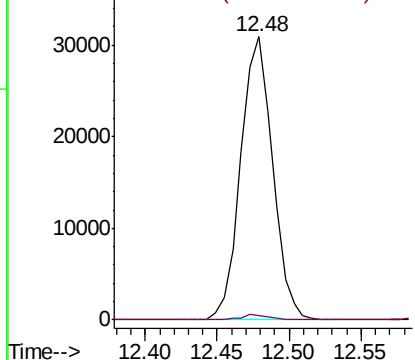
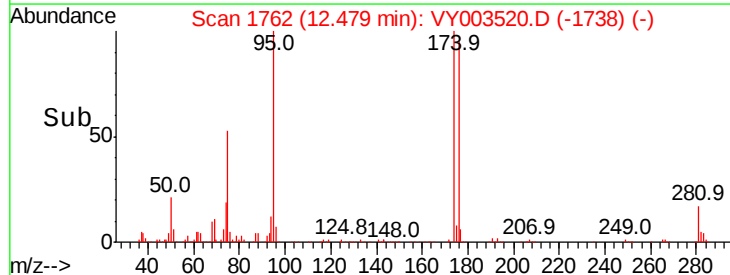
#76

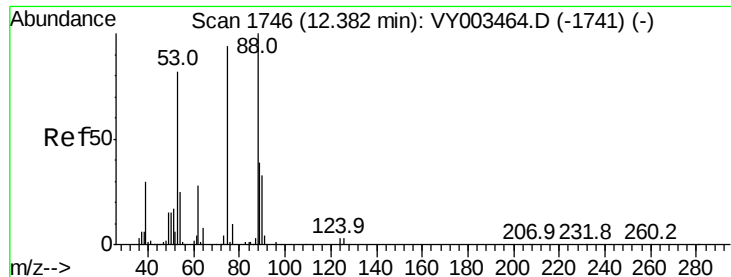
1,2,3-Trichloropropane
Concen: 38.265 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003520.D
Acq: 05 Nov 2020 12:29

Tgt 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: 79.865 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003520.D

Acq: 05 Nov 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 47595

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.1 35.8 53.8#

