

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110420\
 Data File : VY003510.D
 Acq On : 04 Nov 2020 16:19
 Operator : SY/MD
 Sample : L4633-01
 Misc : 4.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-1

Quant Time: Nov 05 00:27:04 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	160753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	238037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	213103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	104750	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	82611	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	7.72	113	71762	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.18	98	278669	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
62) 4-Bromofluorobenzene	12.48	95	88693	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	

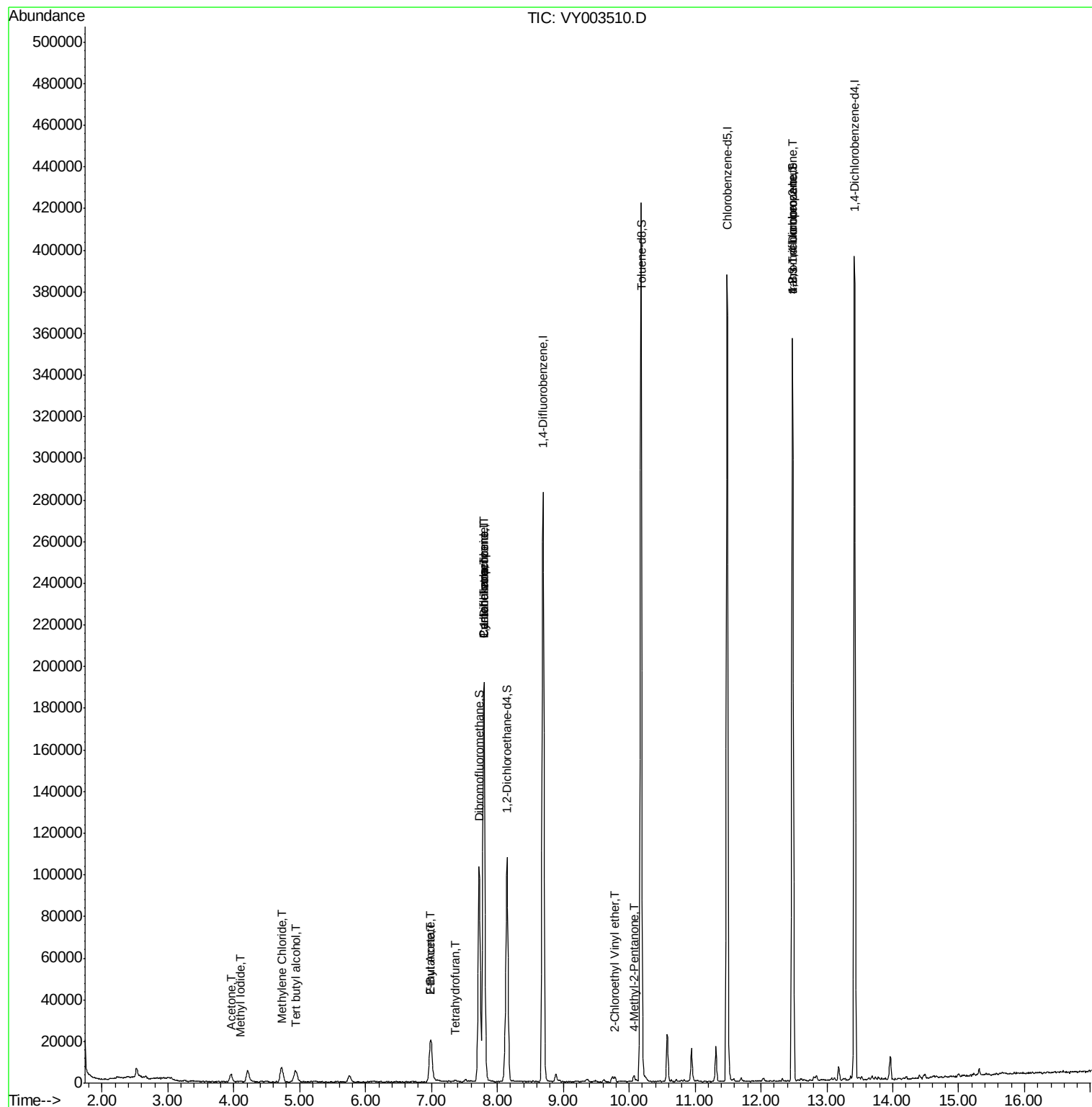
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	509	4.946	ug/l #	53
11) Tert butyl alcohol	4.95	59	5935	16.650	ug/l #	73
16) Acetone	3.96	43	6571	12.087	ug/l #	88
20) Methylene Chloride	4.73	84	5060	3.305	ug/l	91
25) 2-Butanone	6.99	43	1819	2.675	ug/l #	71
29) Tetrahydrofuran	7.36	42	374	1.053	ug/l #	71
31) Cyclohexane	7.79	56	3366	1.363	ug/l #	17
36) 1,1-Dichloropropene	7.80	75	11456	5.104	ug/l #	50
37) Ethyl Acetate	6.99	43	1819	1.305	ug/l #	20
38) Carbon Tetrachloride	7.80	117	14914	6.406	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	2151	1.612	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	1015	1.214	ug/l	90
76) 1,2,3-Trichloropropane	12.48	75	48318	43.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	48318	90.991	ug/l #	12

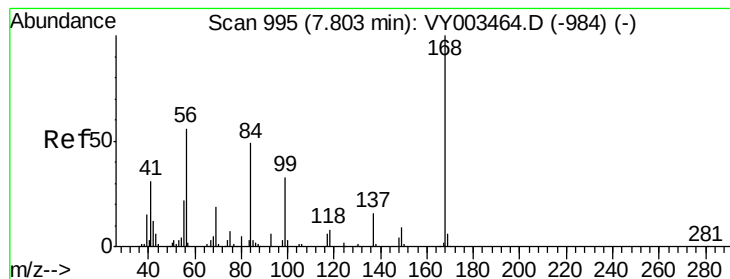
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003510.D

Acq: 04 Nov 2020 16:19

Instrument :

MSVOA_Y

ClientSampled :

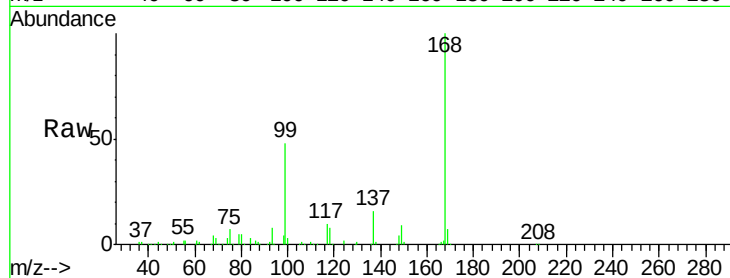
DB-1

Tot Ion:168 Resp: 160753

Ion Ratio Lower Upper

168 100

99 47.8 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

60000

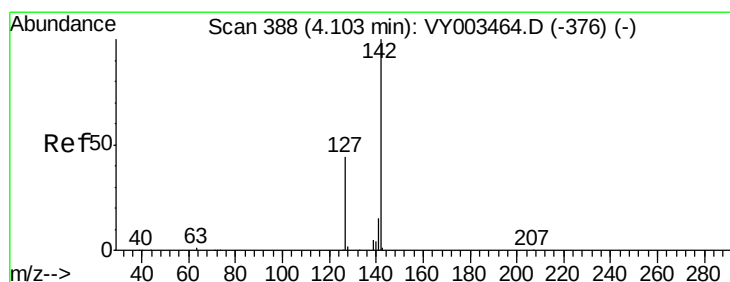
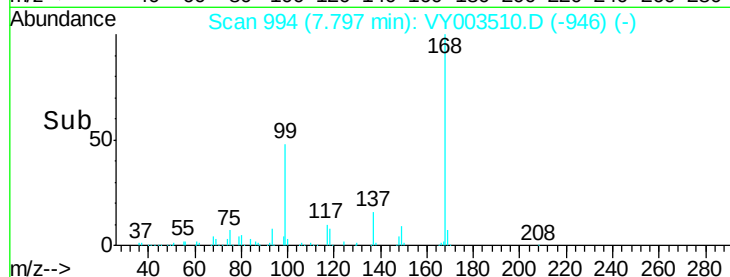
40000

20000

0

7.70 7.80 7.90 8.00

Time-->



#10

Methyl Iodide

Concen: 4.946 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

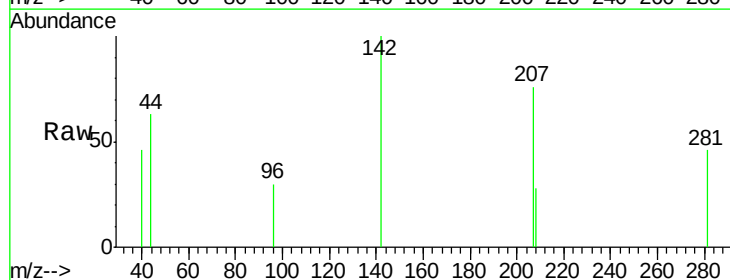
Tgt Ion:142 Resp: 509

Ion Ratio Lower Upper

142 100

127 10.4 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

4.10

300

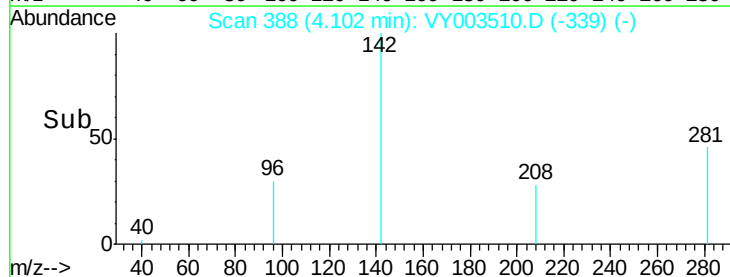
200

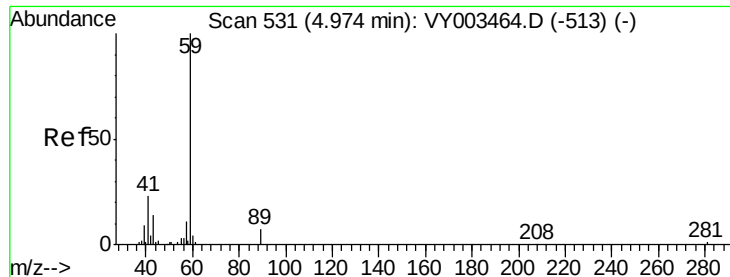
100

0

4.05 4.10 4.15

Time-->



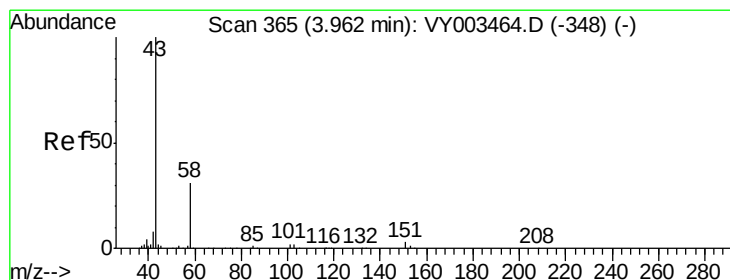
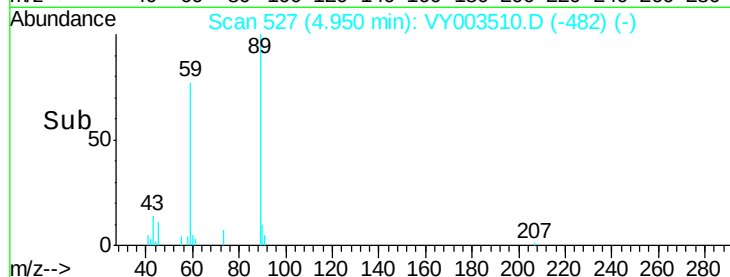
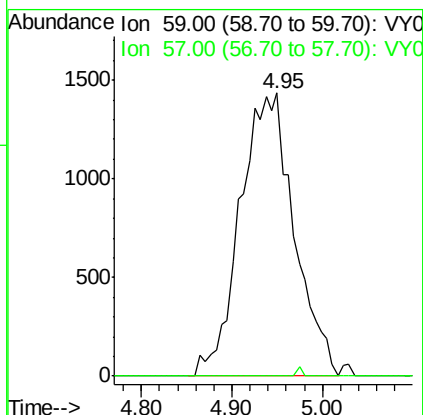
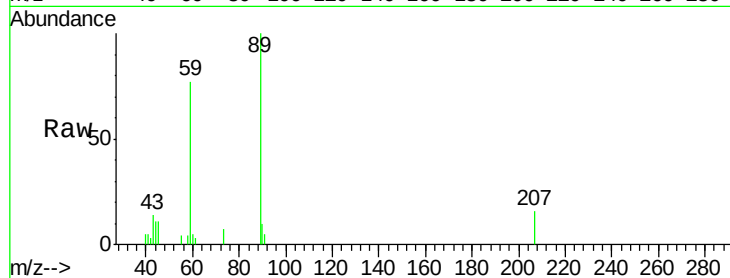


#11

Tert butyl alcohol
 Concen: 16.650 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-1

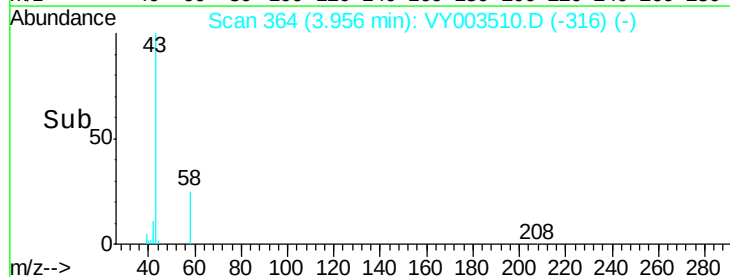
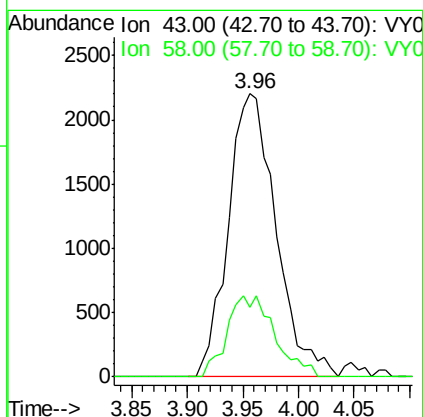
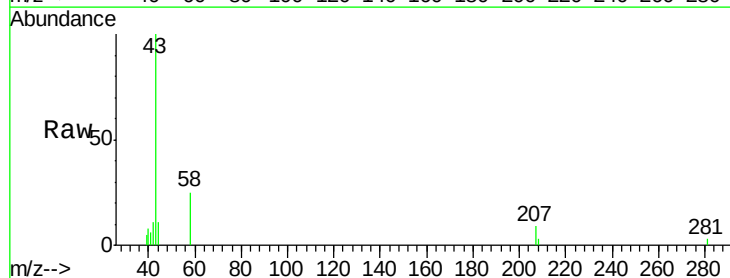
Tot Ion: 59 Resp: 5935
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

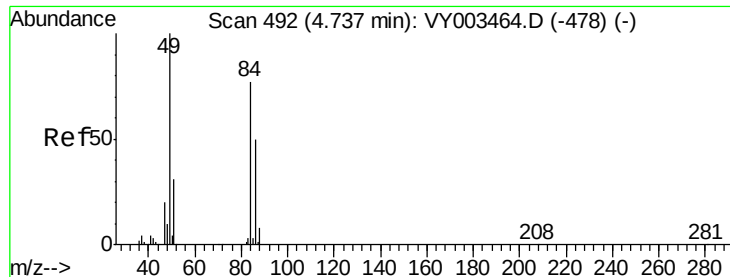


#16

Acetone
 Concen: 12.087 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

Tgt Ion: 43 Resp: 6571
 Ion Ratio Lower Upper
 43 100
 58 24.7 25.0 37.4#

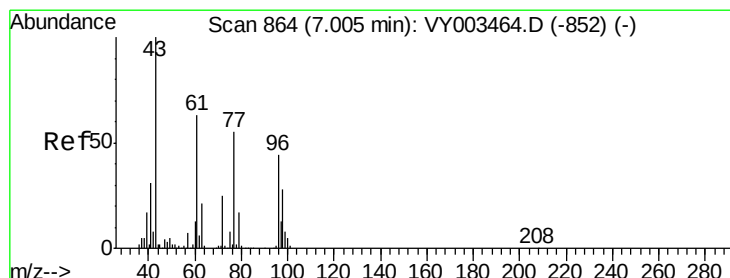
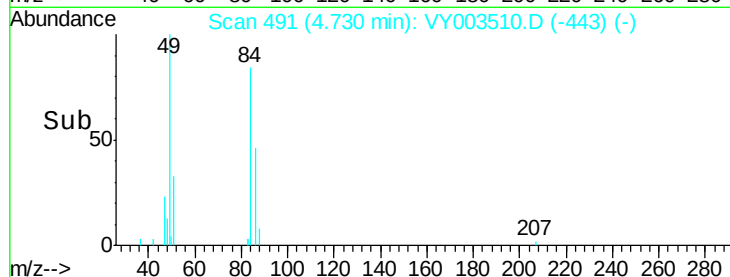
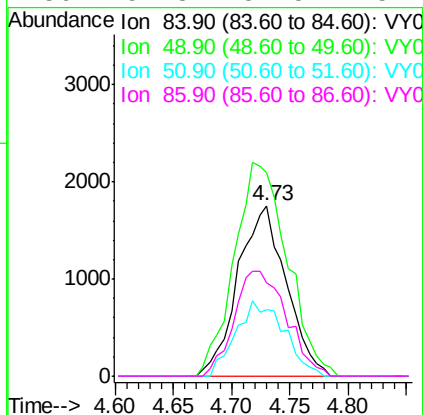
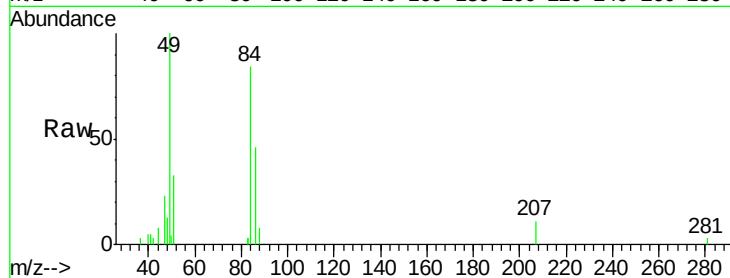




#20
Methylene Chloride
Concen: 3.305 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003510.D
Acq: 04 Nov 2020 16:19

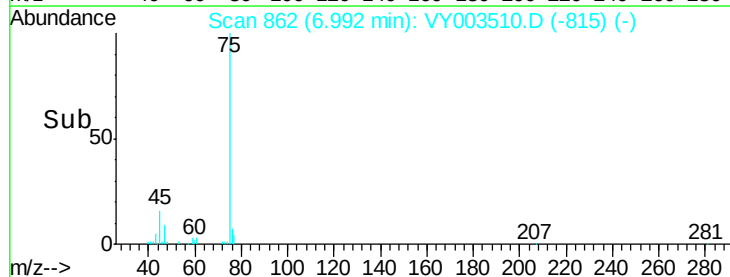
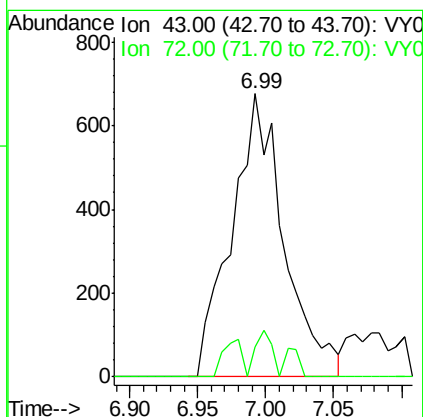
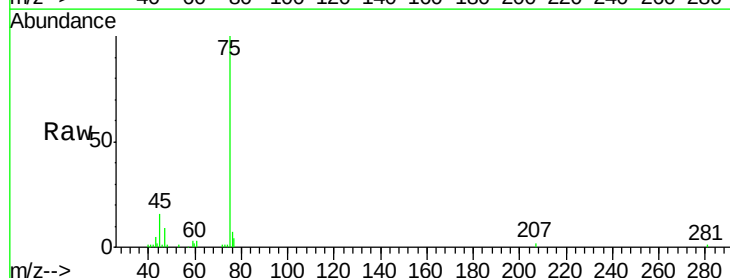
Instrument :
MSVOA_Y
ClientSampled :
DB-1

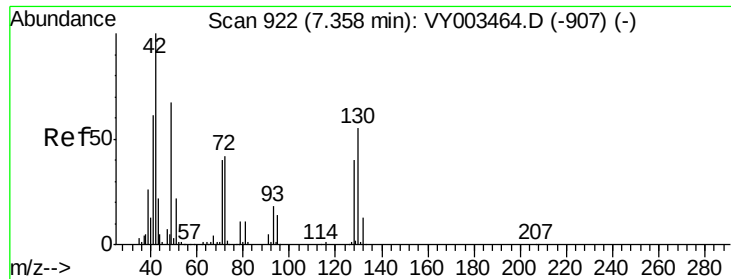
Tot Ion:	84	Resp:	5060
Ion	Ratio	Lower	Upper
84	100		
49	119.1	104.3	156.5
51	39.3	32.5	48.7
86	54.8	52.5	78.7



#25
2-Butanone
Concen: 2.675 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY003510.D
Acq: 04 Nov 2020 16:19

Tgt Ion:	43	Resp:	1819
Ion	Ratio	Lower	Upper
43	100		
72	10.7	20.1	30.1#





#29

Tetrahydrofuran

Concen: 1.053 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

Instrument :

MSVOA_Y

ClientSampled :

DB-1

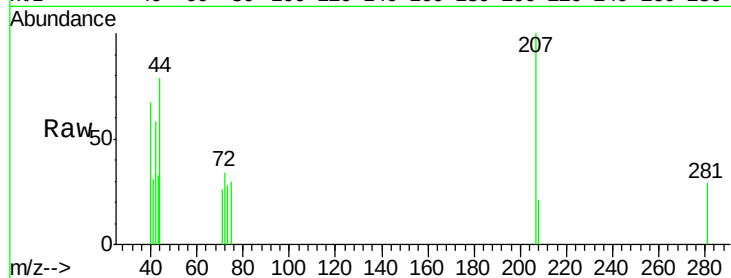
Tot Ion: 42 Resp: 374

Ion Ratio Lower Upper

42 100

72 15.2 32.8 49.2#

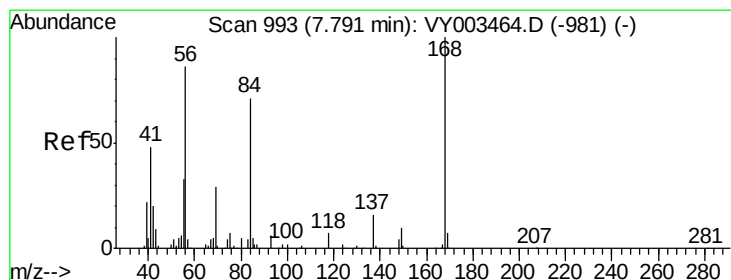
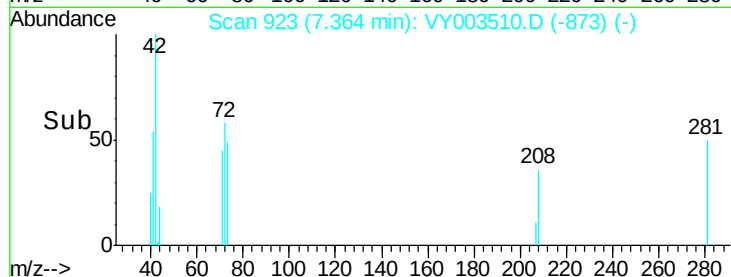
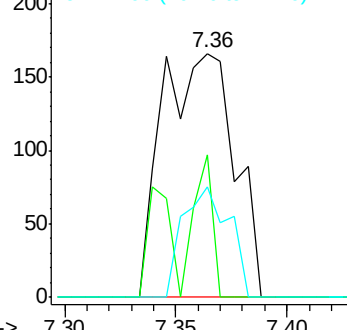
71 29.1 30.7 46.1#



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: 1.363 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

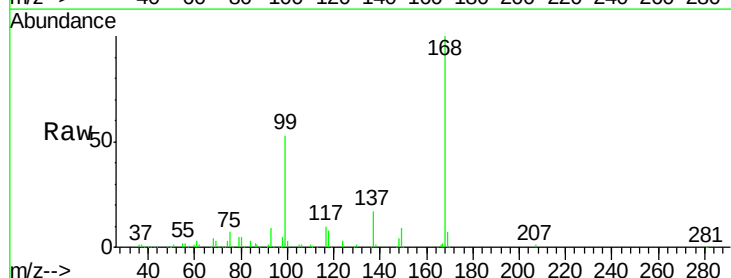
Tgt Ion: 56 Resp: 3366

Ion Ratio Lower Upper

56 100

69 140.8 26.6 39.8#

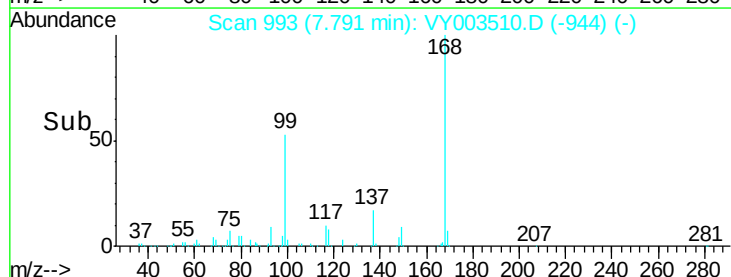
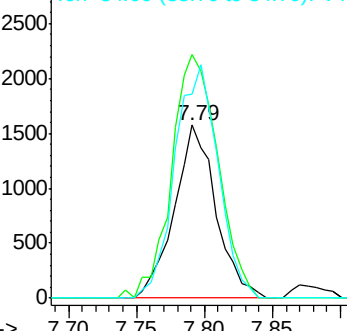
84 118.0 65.9 98.9#

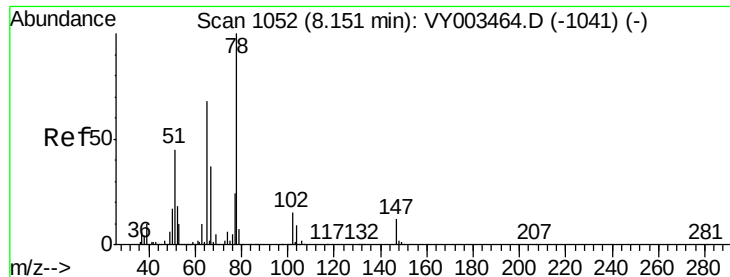


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

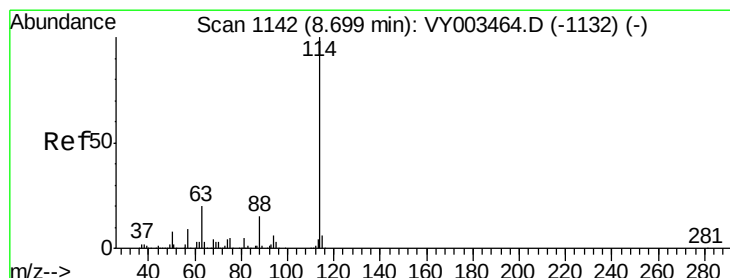
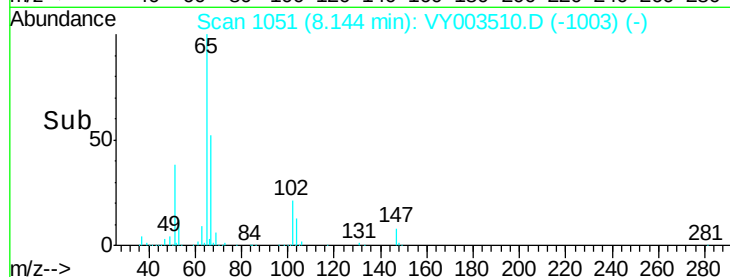
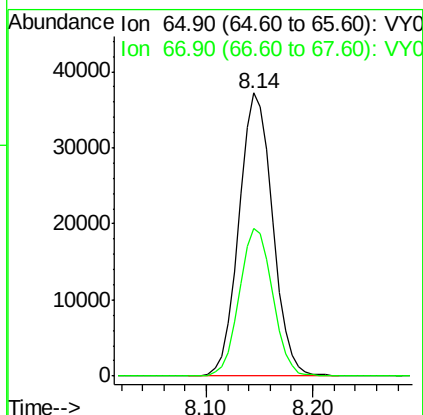
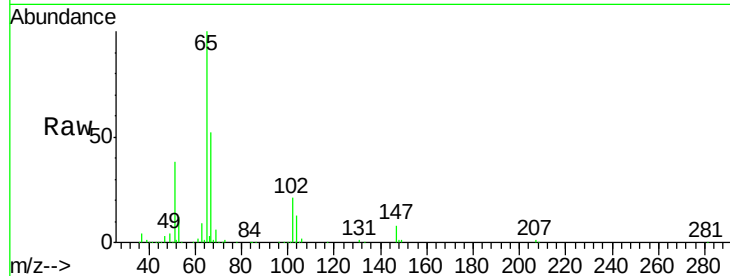




#33
 1,2-Dichloroethane-d4
 Concen: 50.127 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

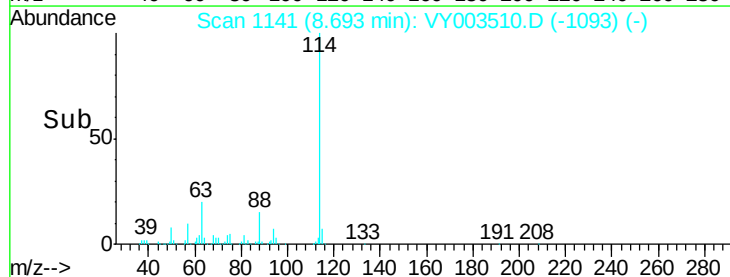
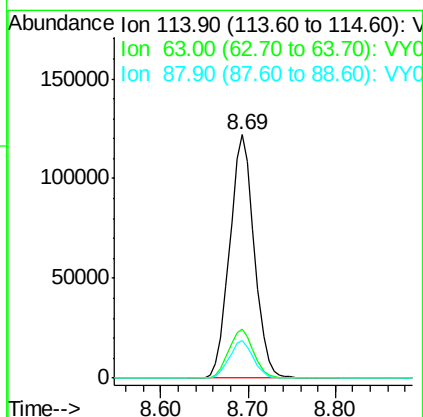
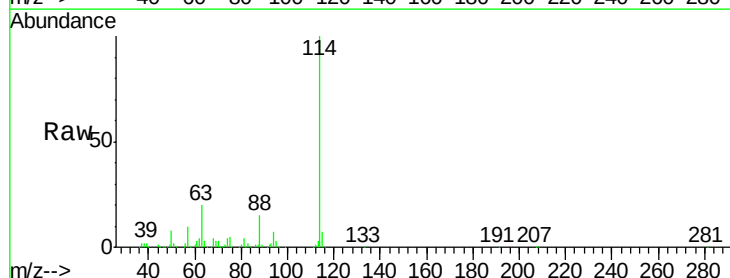
Instrument :
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 ClientSampleId :
 DB-1

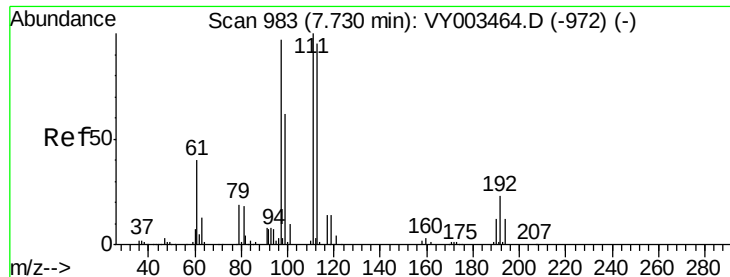
Tot Ion: 65 Resp: 82611
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

Tgt Ion: 114 Resp: 238037
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 15.5 0.0 29.4

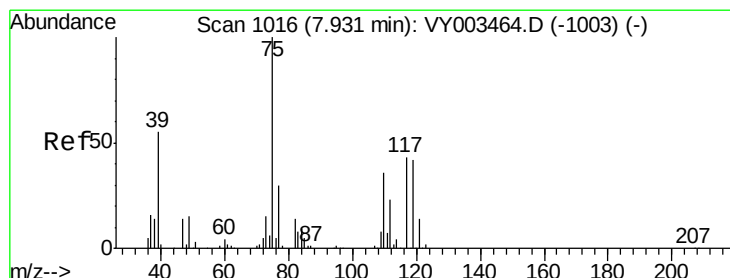
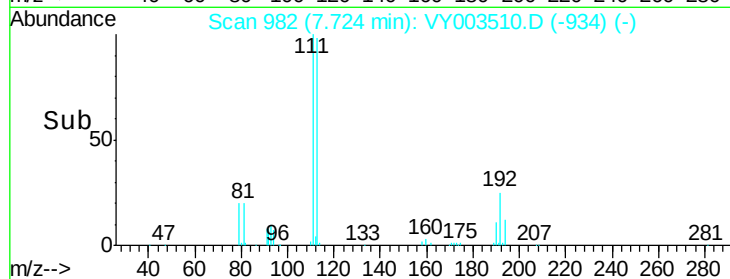
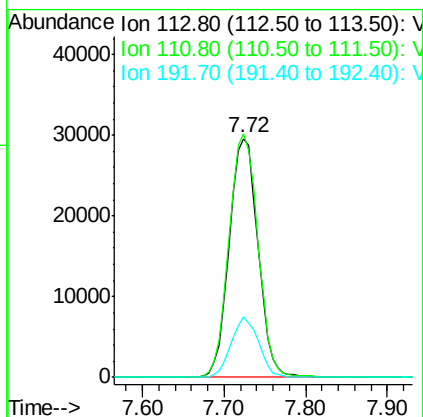
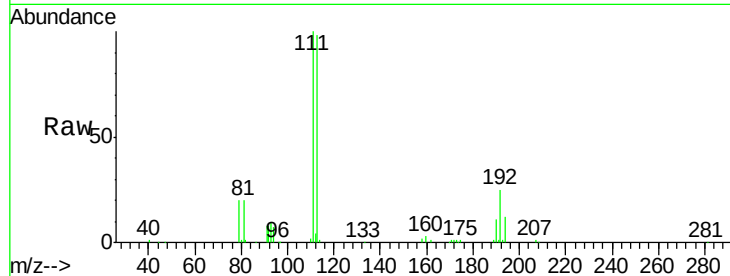




#35
 Dibromofluoromethane
 Concen: 49.542 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

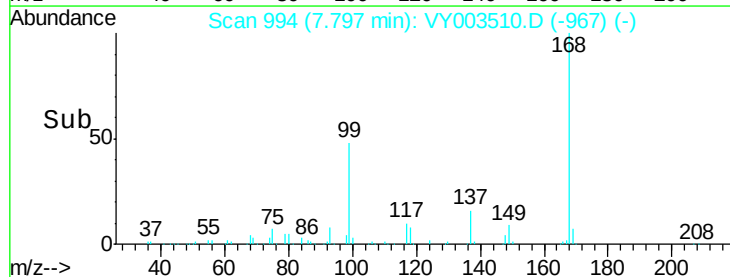
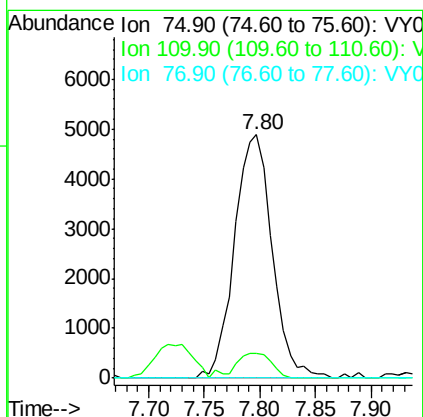
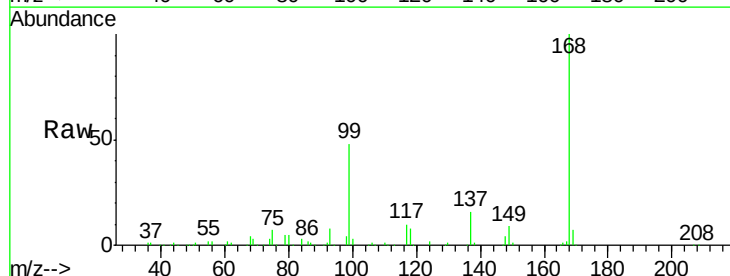
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 MSVOA_Y
 ClientSampleId :
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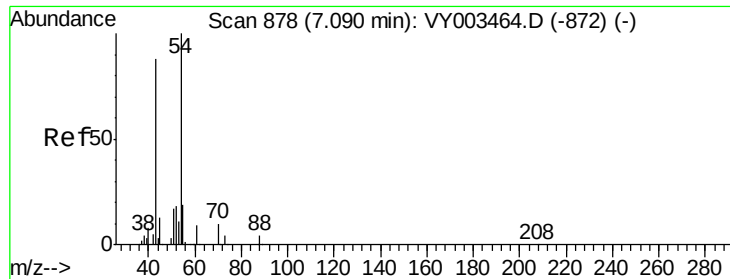
Tot Ion:113 Resp: 71762
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.8 122.6
 192 24.1 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

Tgt Ion: 75 Resp: 11456
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.6 52.9#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.305 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.10 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

Instrument :

MSVOA_Y

ClientSampled :

DB-1

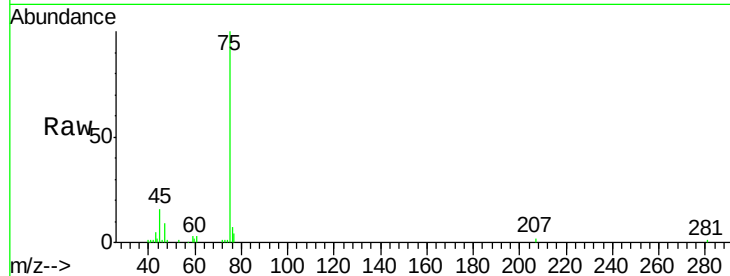
Tot Ion: 43 Resp: 1819

Ion Ratio Lower Upper

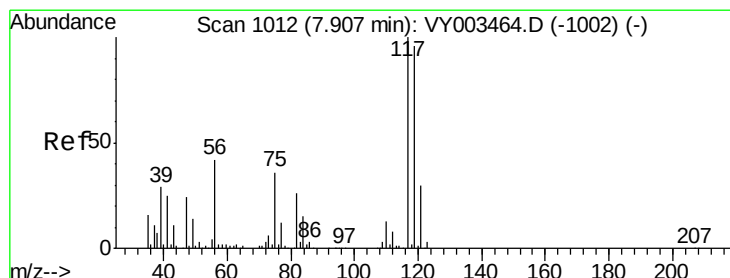
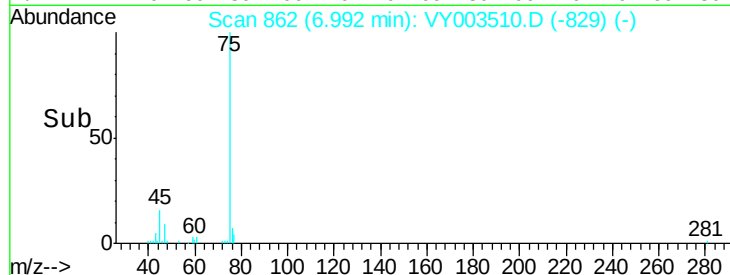
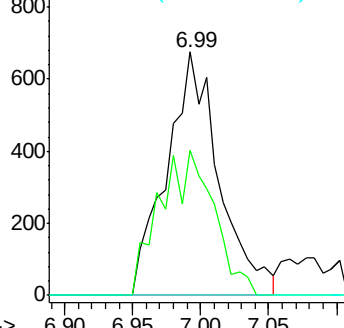
43 100

61 61.7 11.0 16.6#

70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VY003510.D (-862) (-)



#38

Carbon Tetrachloride

Concen: 6.406 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

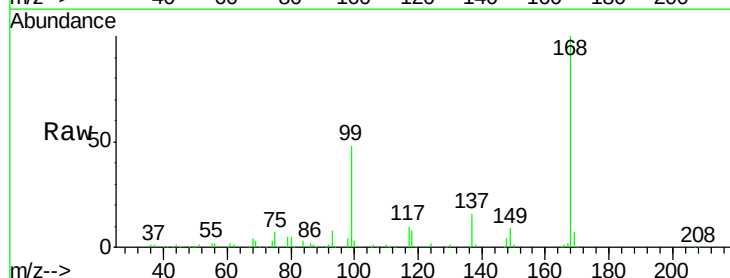
Tgt Ion: 117 Resp: 14914

Ion Ratio Lower Upper

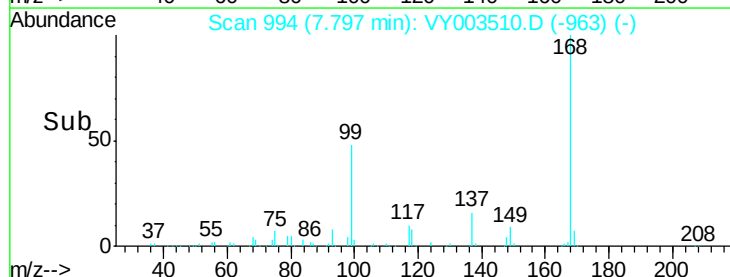
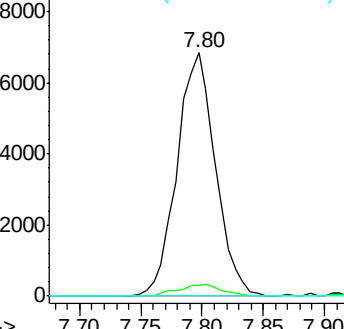
117 100

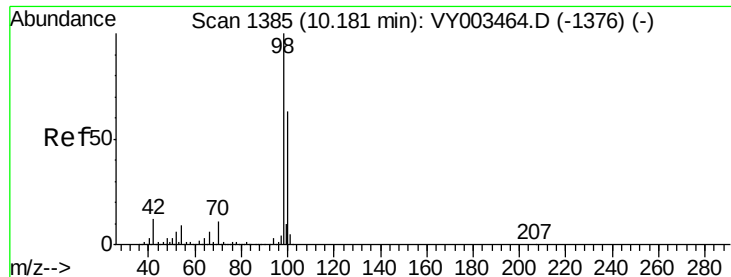
119 4.2 76.2 114.4#

121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): VY003510.D (-994) (-)





#50

Toluene-d8

Concen: 46.245 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

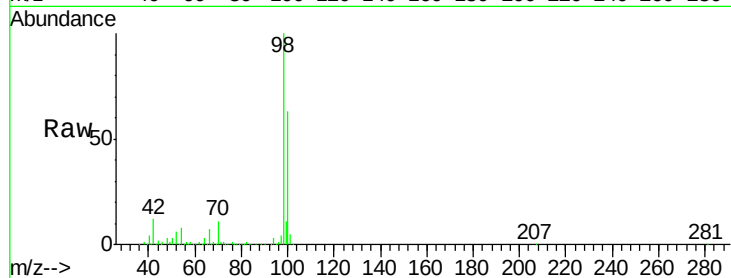
DB-1

Tot Ion: 98 Resp: 278669

Ion Ratio Lower Upper

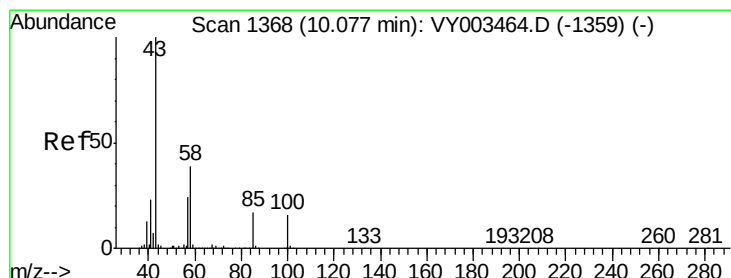
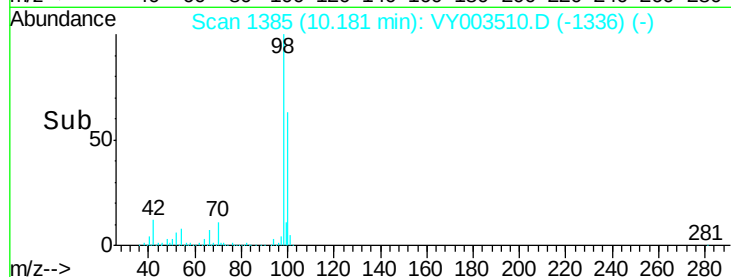
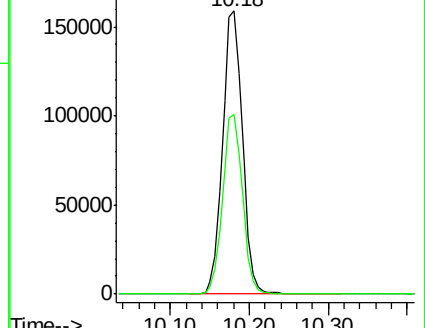
98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY003510.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY003510.D (-1376) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.612 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003510.D

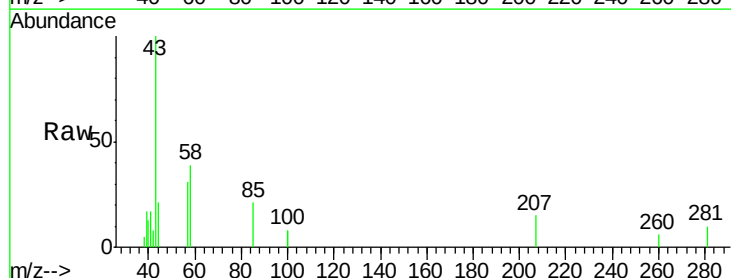
Acq: 04 Nov 2020 16:19

Tgt Ion: 43 Resp: 2151

Ion Ratio Lower Upper

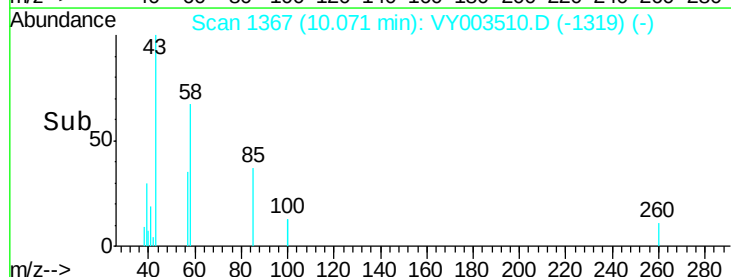
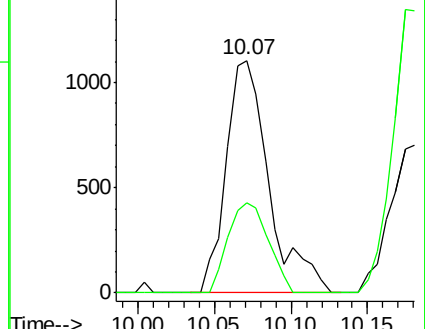
43 100

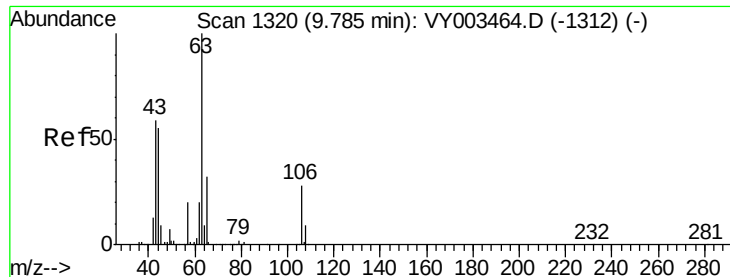
58 36.4 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VY003510.D (-1319) (-)

Ion 58.00 (57.70 to 58.70): VY003510.D (-1319) (-)

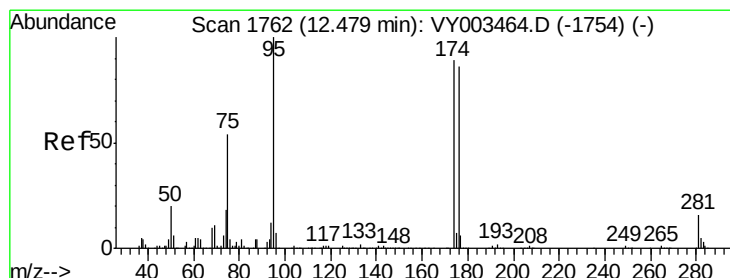
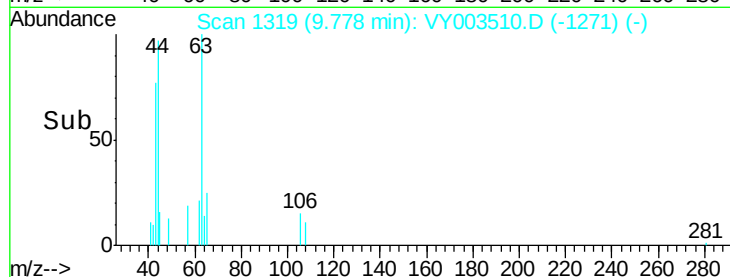
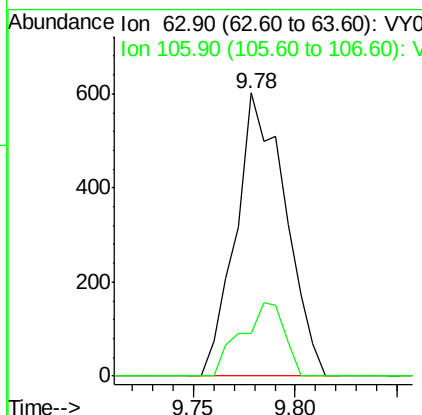
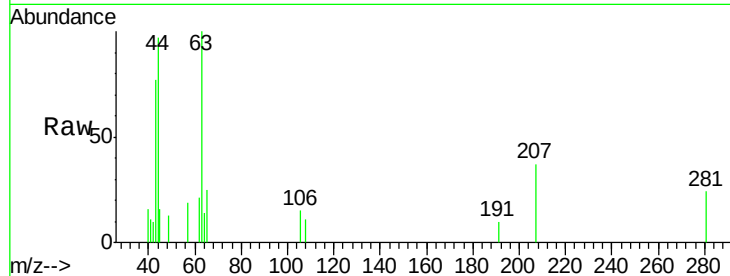




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.214 ug/l
 RT: 9.78 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

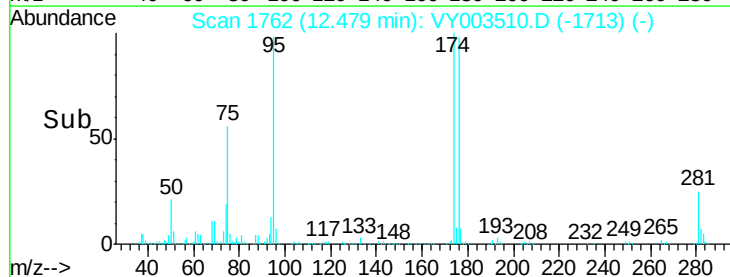
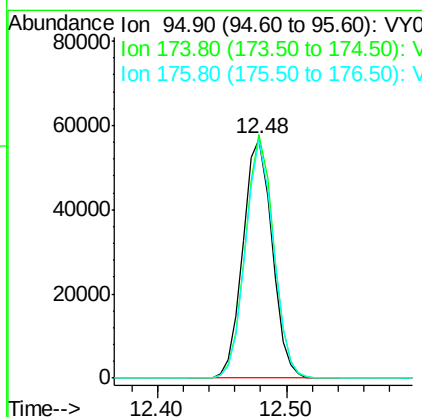
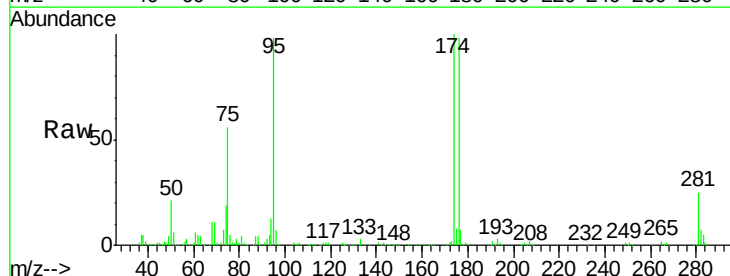
Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-1

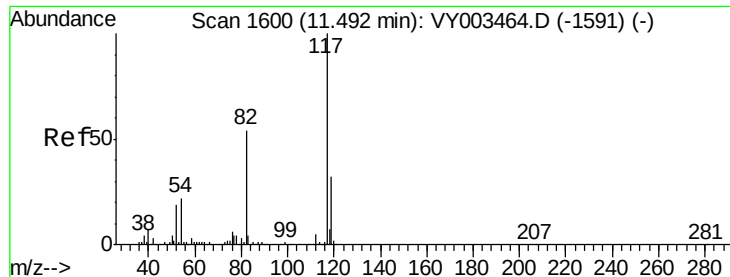
Tot Ion: 63 Resp: 1015
 Ion Ratio Lower Upper
 63 100
 106 22.6 22.3 33.5



#62
 4-Bromofluorobenzene
 Concen: 44.423 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003510.D
 Acq: 04 Nov 2020 16:19

Tgt Ion: 95 Resp: 88693
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 193.0
 176 95.4 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: VY003510.D

Acq: 04 Nov 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

DB-1

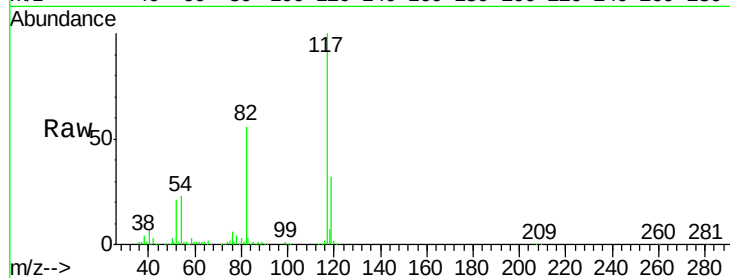
Tot Ion:117 Resp: 213103

Ion Ratio Lower Upper

117 100

82 55.8 43.4 65.2

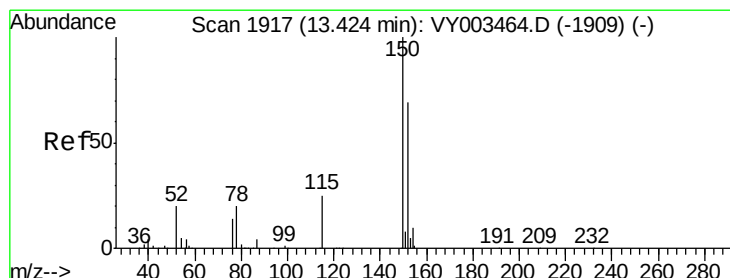
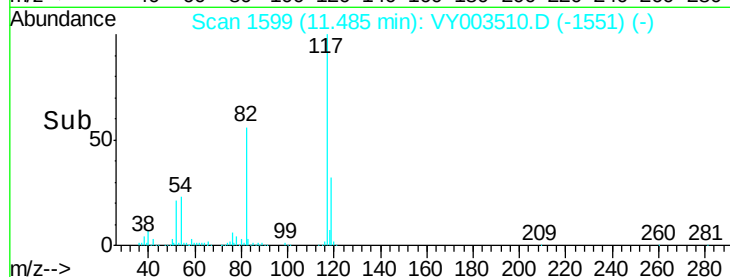
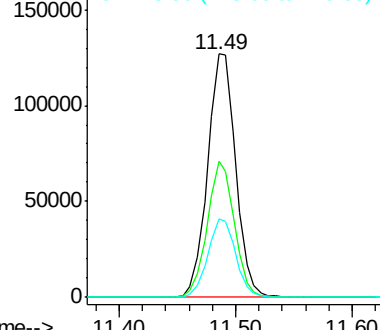
119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

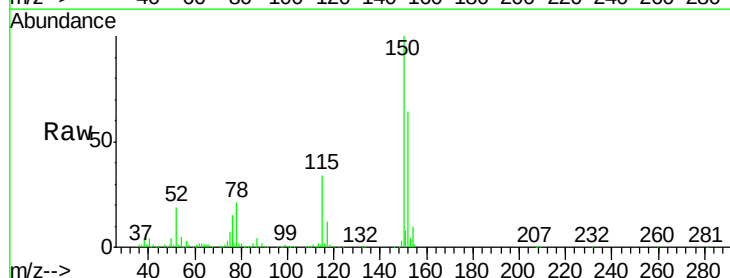
Tgt Ion:152 Resp: 104750

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

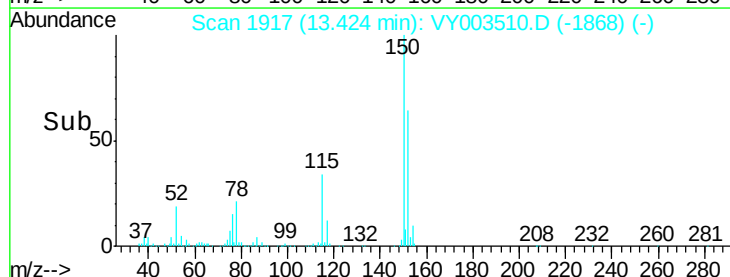
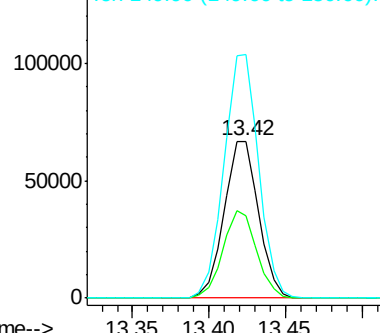
150 155.7 0.0 345.8

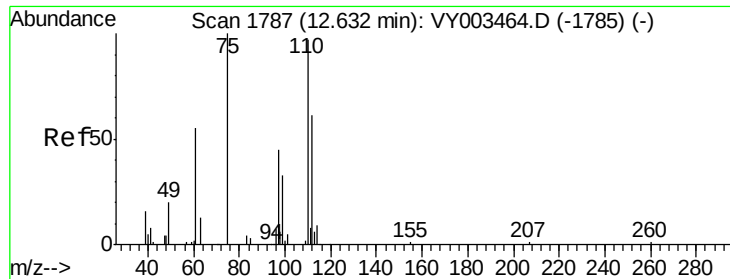


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 43.595 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

Instrument :

MSVOA_Y

ClientSampled :

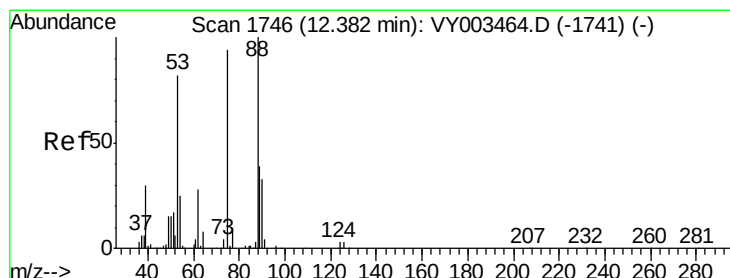
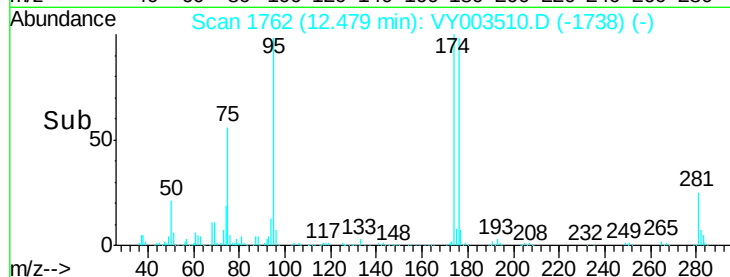
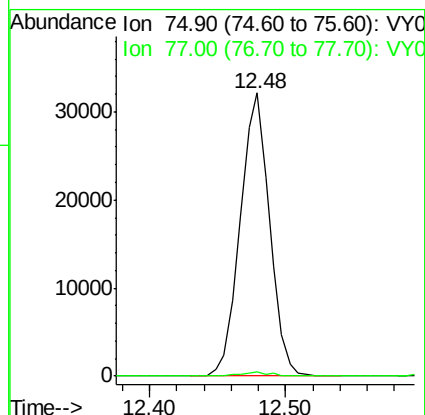
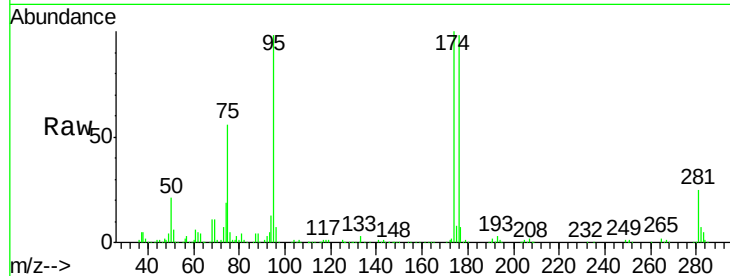
DB-1

Tot Ion: 75 Resp: 48318

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.991 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003510.D

Acq: 04 Nov 2020 16:19

Tgt Ion: 75 Resp: 48318

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.2 35.8 53.8#

