

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110520\
 Data File : VY003517.D
 Acq On : 05 Nov 2020 11:07
 Operator : SY/MD
 Sample : VY1105SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 05 23:47:48 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	226401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	330090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	299305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149291	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	117369	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	7.72	113	101631	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	10.18	98	399830	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.48	95	128827	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

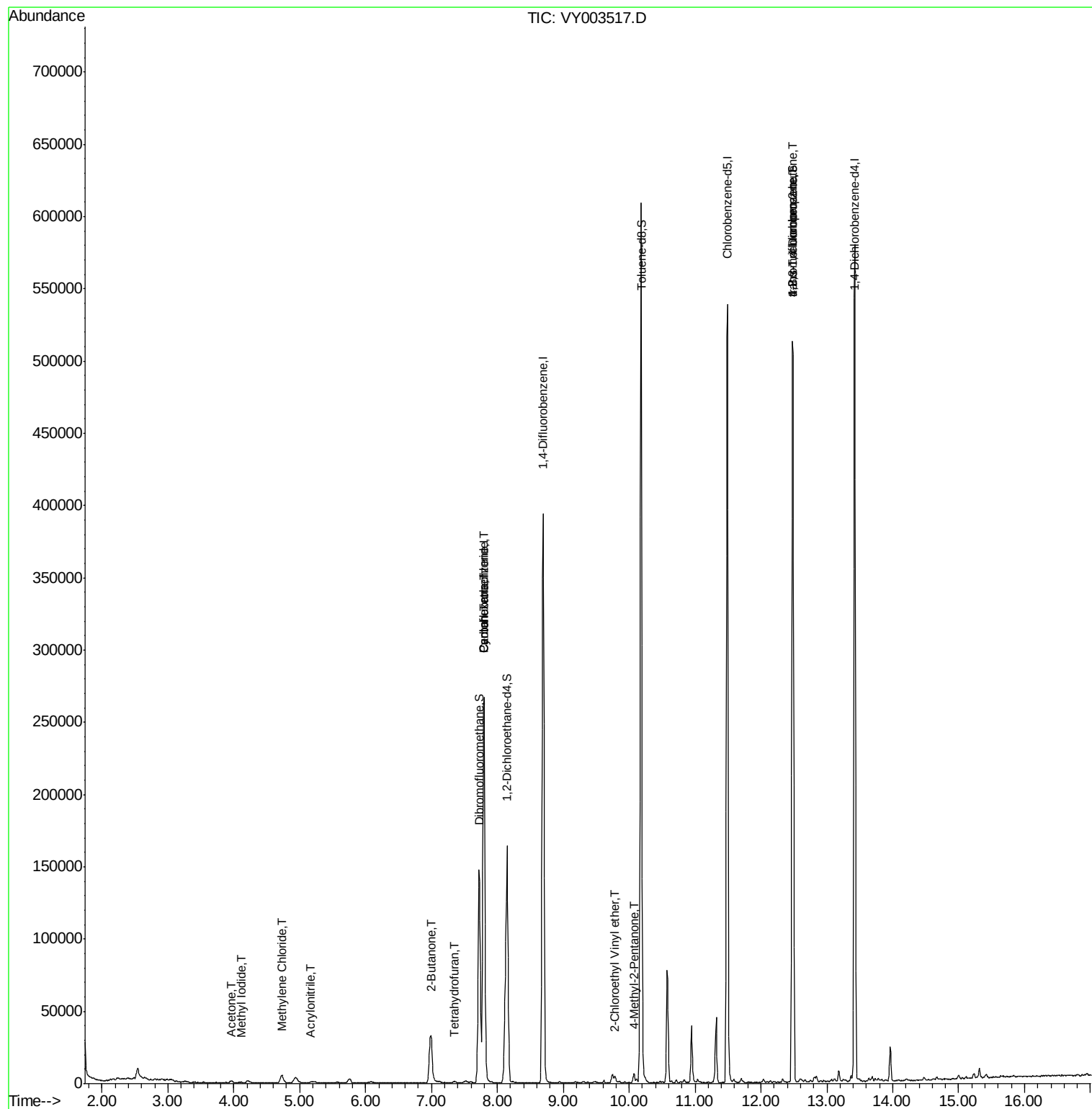
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	1032	5.096	ug/l #	61
15) Acrylonitrile	5.17	53	810	1.473	ug/l #	61
16) Acetone	3.96	43	2203	2.877	ug/l #	87
20) Methylene Chloride	4.72	84	4019	1.864	ug/l #	87
25) 2-Butanone	7.00	43	3013	3.146	ug/l #	90
29) Tetrahydrofuran	7.35	42	565	1.129	ug/l #	78
31) Cyclohexane	7.79	56	4522	1.300	ug/l #	1
38) Carbon Tetrachloride	7.79	117	19196	5.945	ug/l #	17
51) 4-Methyl-2-Pentanone	10.07	43	4569	2.469	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.78	63	1835	1.582	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	69716	44.135	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	69716	92.117	ug/l #	12

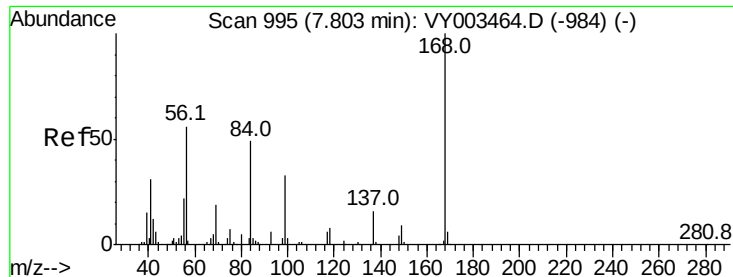
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

Instrument :

MSVOA_Y

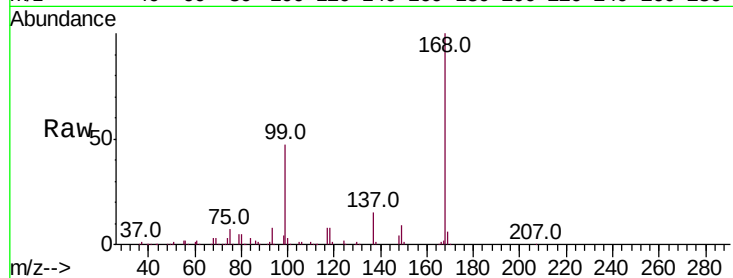
ClientSampleId :

Tot Ion:168 Resp: 226401

Ion Ratio Lower Upper

168 100

99 46.7 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

100000

80000

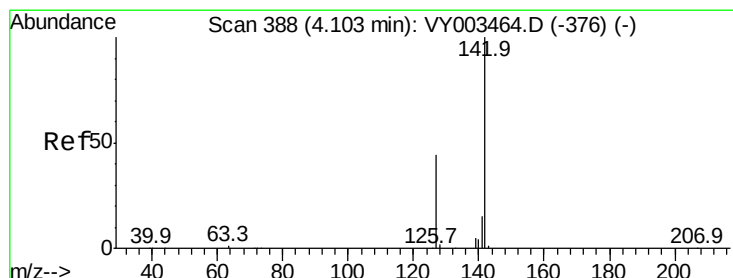
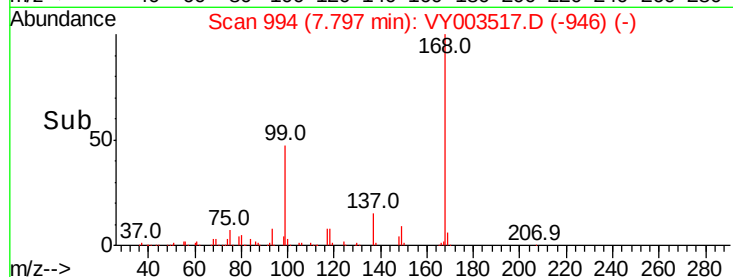
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 5.096 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

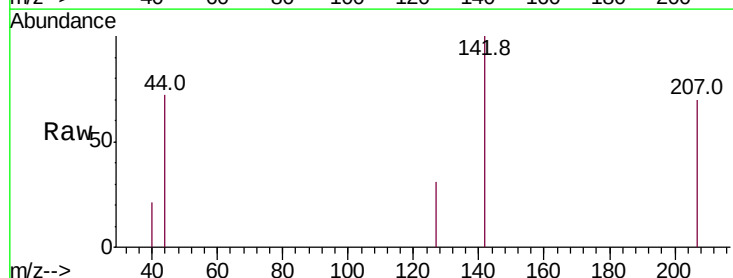
Tgt Ion:142 Resp: 1032

Ion Ratio Lower Upper

142 100

127 17.5 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

4.11

400

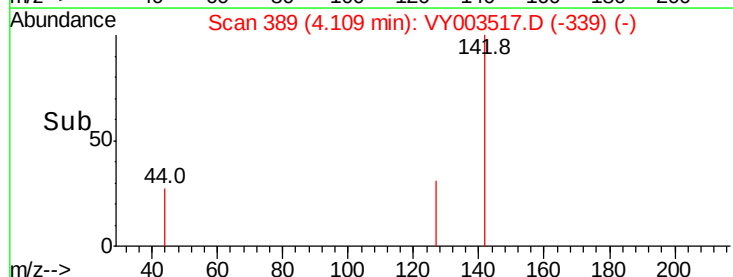
300

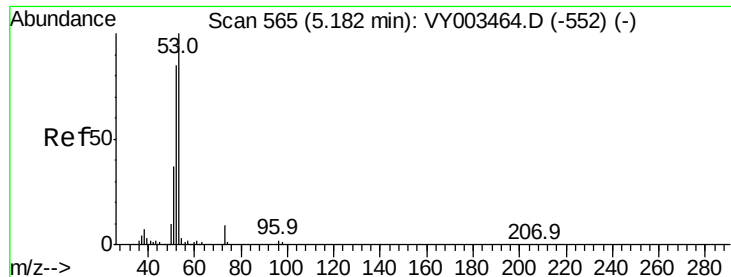
200

100

0

Time-->





#15

Acrylonitrile

Concen: 1.473 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

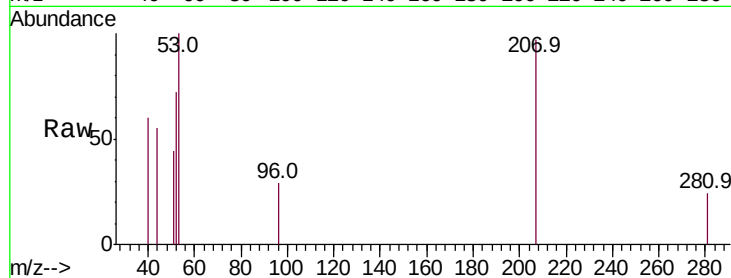
Tot Ion: 53 Resp: 810

Ion Ratio Lower Upper

53 100

52 38.0 66.9 100.3#

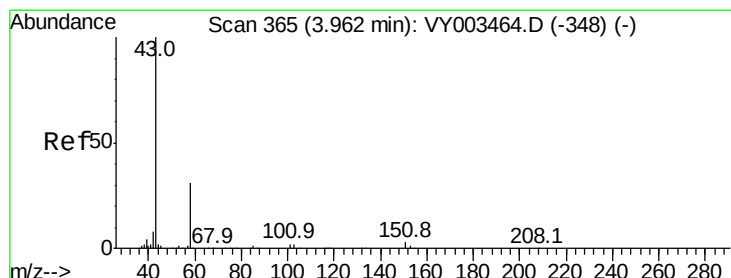
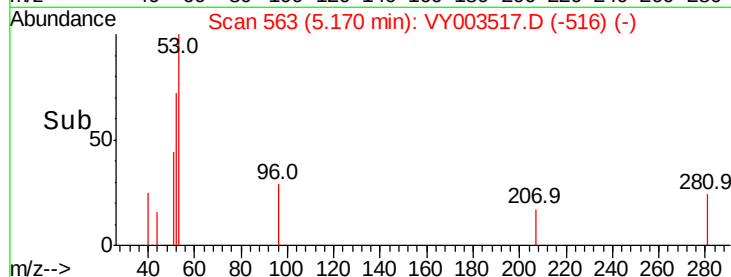
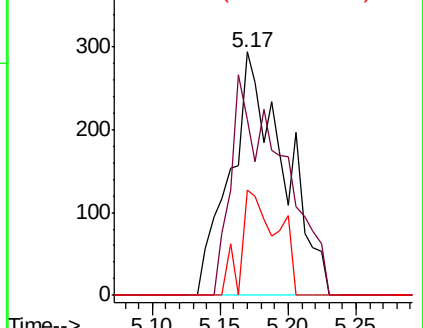
51 29.3 29.3 43.9#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 2.877 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY003517.D

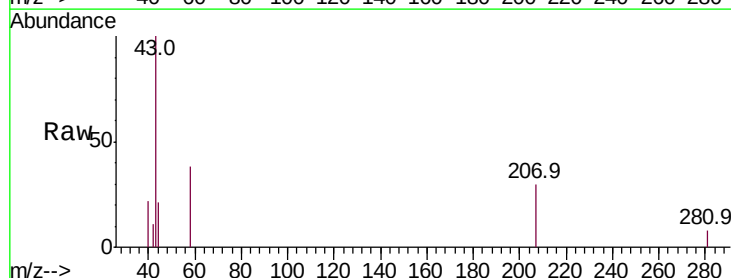
Acq: 05 Nov 2020 11:07

Tgt Ion: 43 Resp: 2203

Ion Ratio Lower Upper

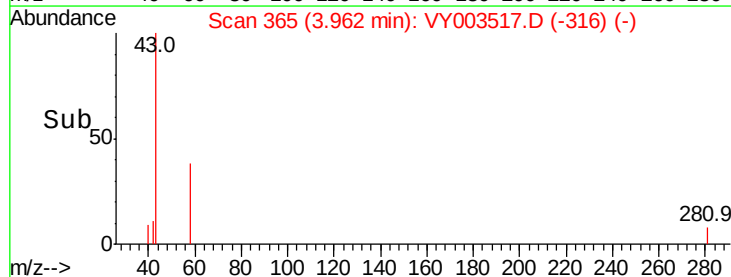
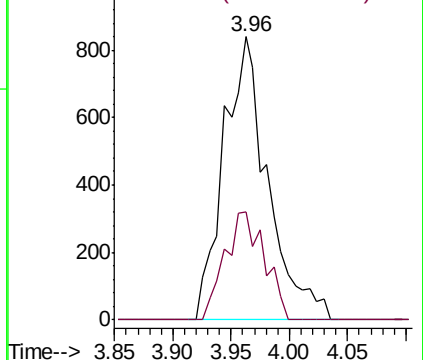
43 100

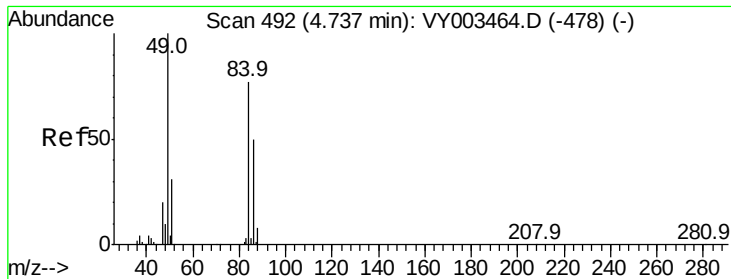
58 38.1 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#20

Methylene Chloride

Concen: 1.864 ug/l

RT: 4.72 min Scan# 489

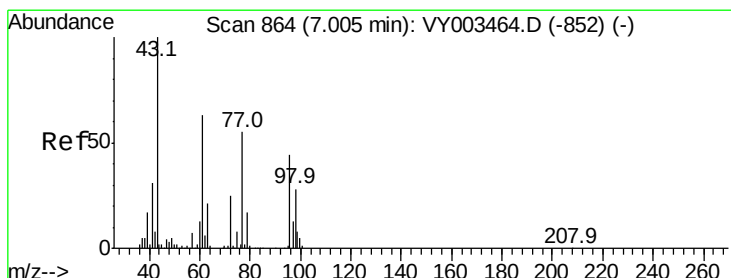
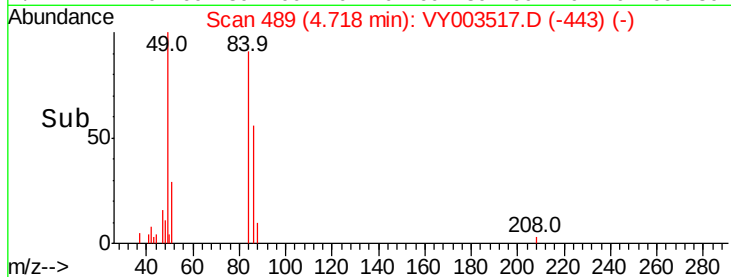
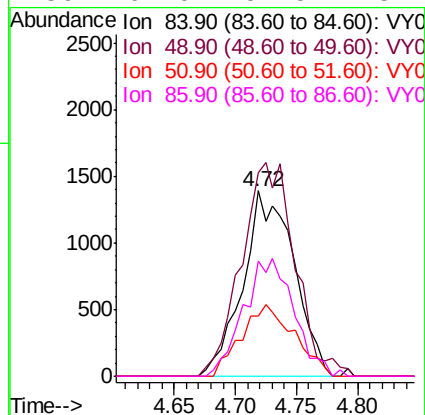
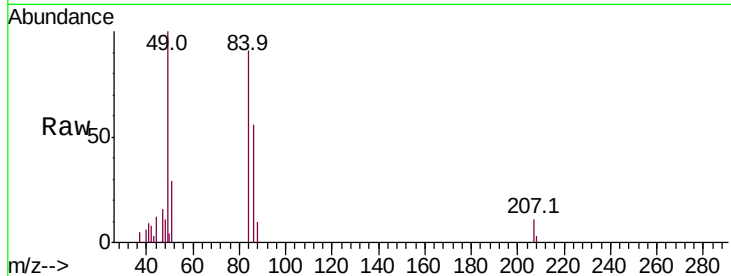
Delta R.T. -0.02 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	4019
Ion	Ratio	Lower	Upper
84	100		
49	110.3	104.3	156.5
51	32.3	32.5	48.7#
86	62.0	52.5	78.7



#25

2-Butanone

Concen: 3.146 ug/l

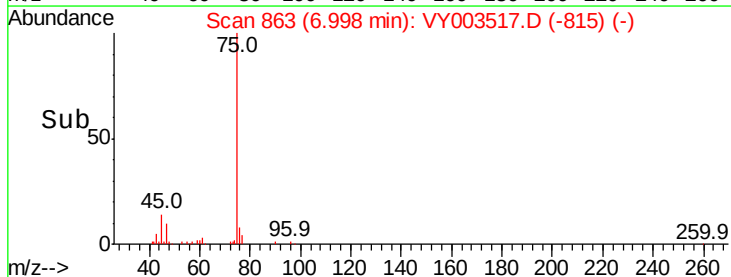
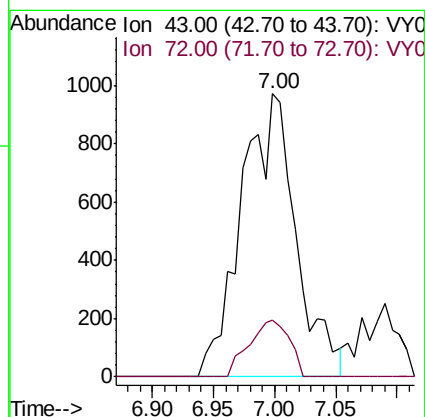
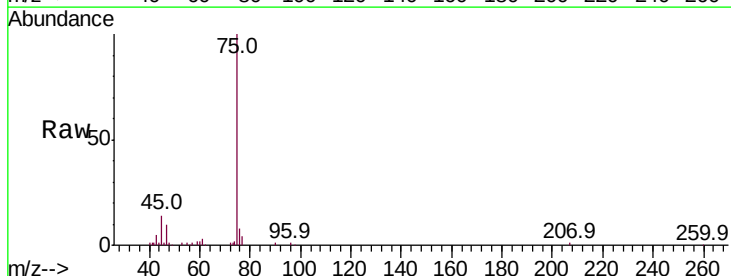
RT: 7.00 min Scan# 863

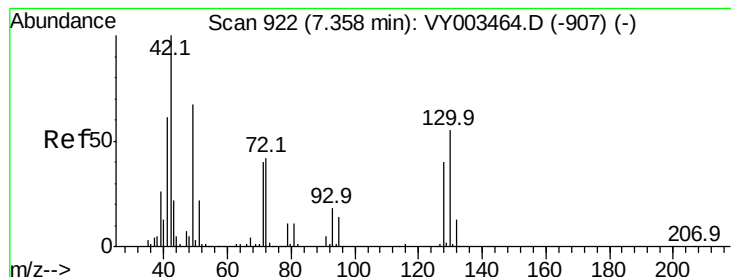
Delta R.T. -0.01 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

Tgt Ion:	43	Resp:	3013
Ion	Ratio	Lower	Upper
43	100		
72	20.0	20.1	30.1#





#29

Tetrahydrofuran

Concen: 1.129 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

Instrument :

MSVOA_Y

ClientSampleId :

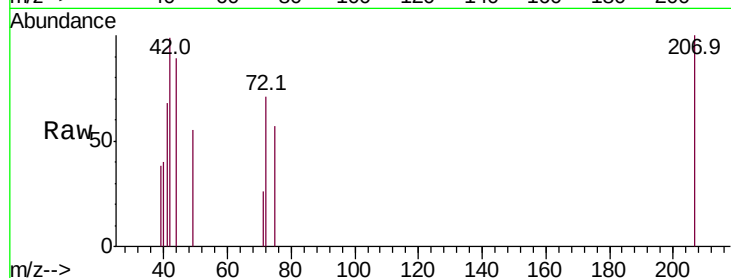
Tot Ion: 42 Resp: 565

Ion Ratio Lower Upper

42 100

72 29.9 32.8 49.2#

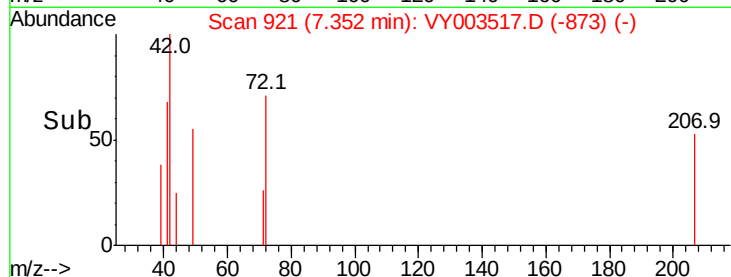
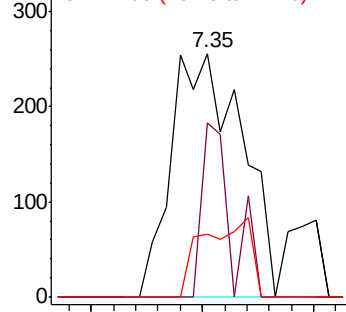
71 22.1 30.7 46.1#



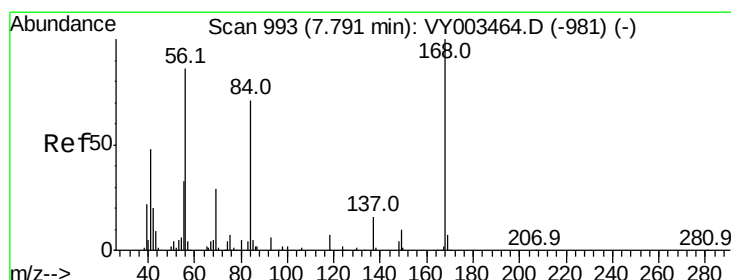
Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



Time-->



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

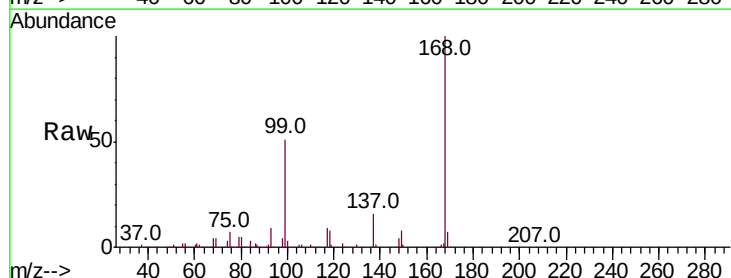
Tgt Ion: 56 Resp: 4522

Ion Ratio Lower Upper

56 100

69 161.2 26.6 39.8#

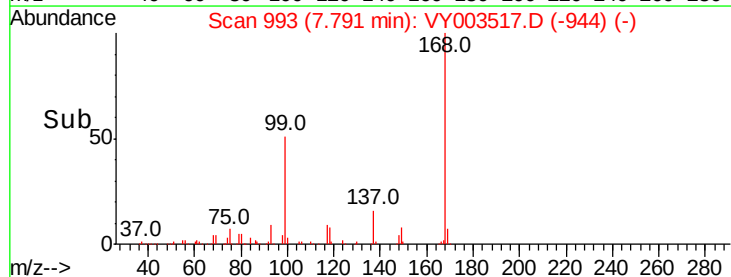
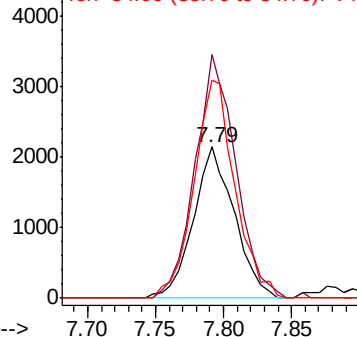
84 144.0 65.9 98.9#

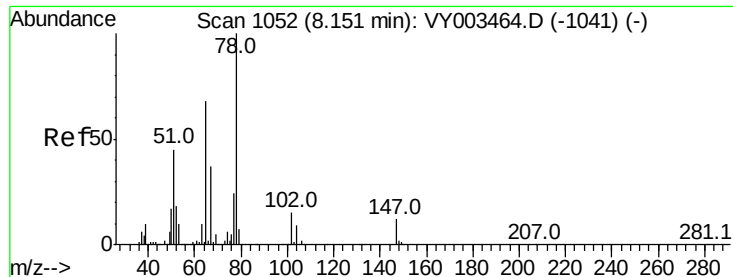


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

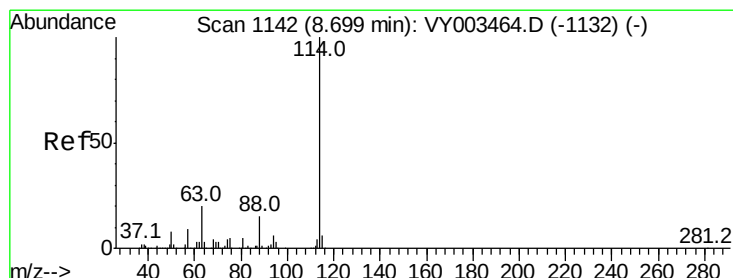
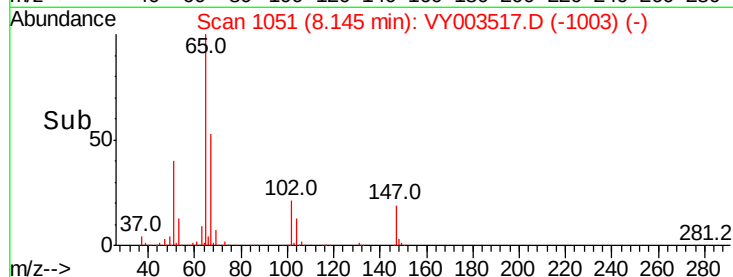
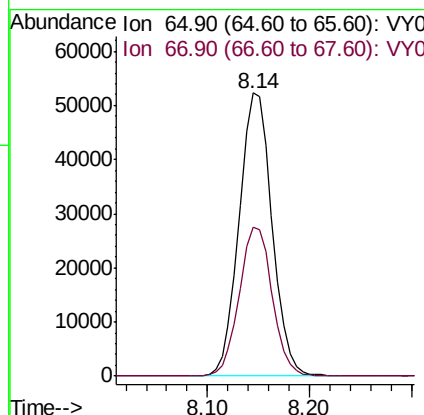
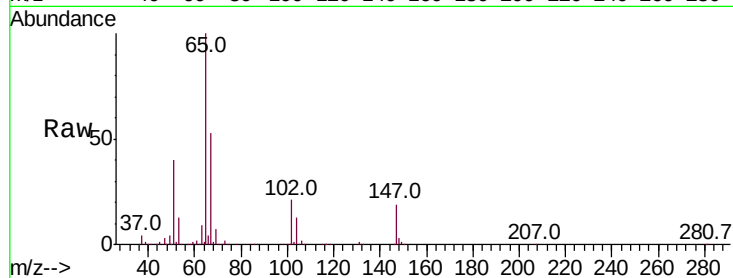




#33
 1,2-Dichloroethane-d4
 Concen: 50.568 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY003517.D
 Acq: 05 Nov 2020 11:07

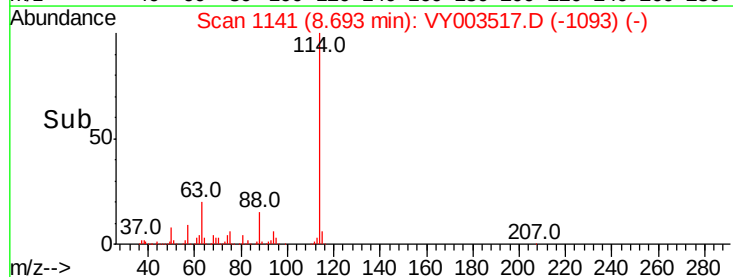
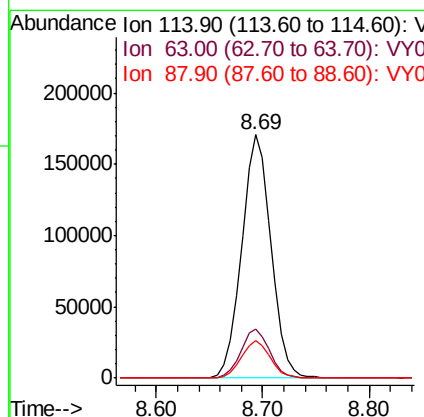
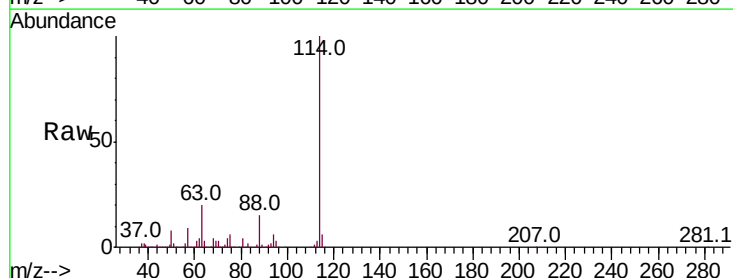
Instrument :
 MSVOA_Y
 ClientSampleId :

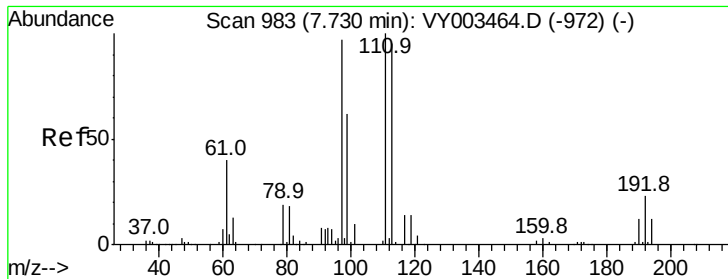
Tot Ion: 65 Resp: 117369
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003517.D
 Acq: 05 Nov 2020 11:07

Tgt Ion: 114 Resp: 330090
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 15.3 0.0 29.4

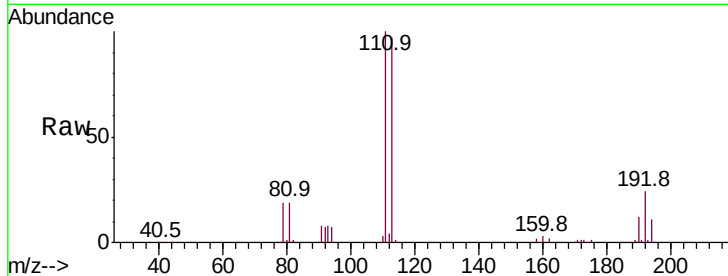




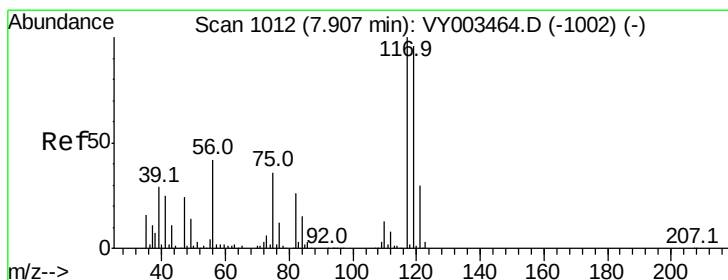
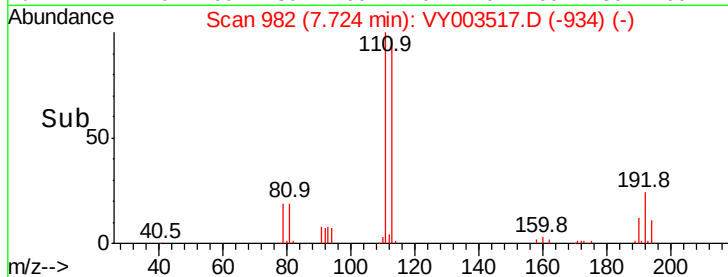
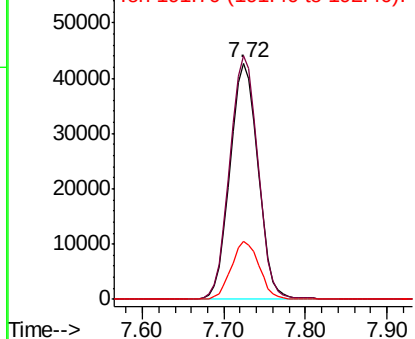
#35
Dibromofluoromethane
Concen: 50.596 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY003517.D
Acq: 05 Nov 2020 11:07

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:113 Resp: 101631
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 24.2 18.8 28.2

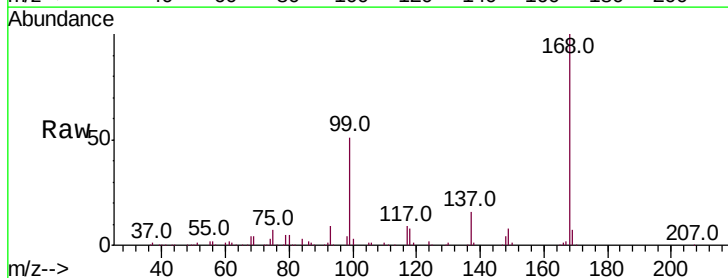


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

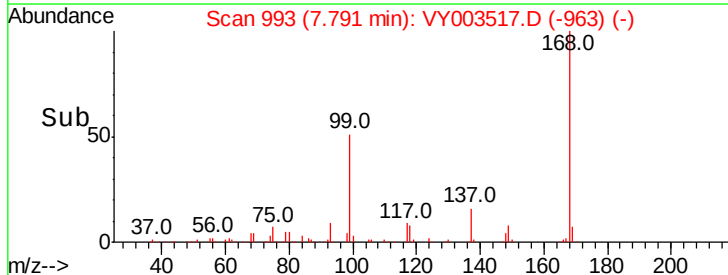
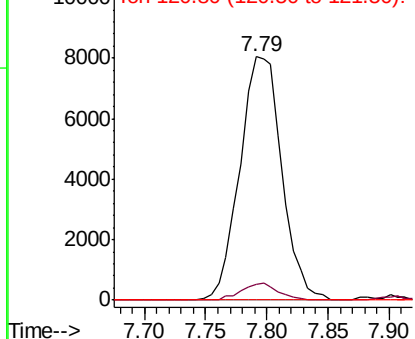


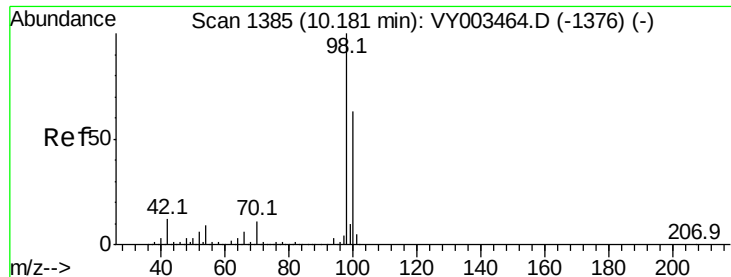
#38
Carbon Tetrachloride
Concen: 5.945 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY003517.D
Acq: 05 Nov 2020 11:07

Tgt Ion:117 Resp: 19196
Ion Ratio Lower Upper
117 100
119 6.3 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: 47.848 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

Instrument :

MSVOA_Y

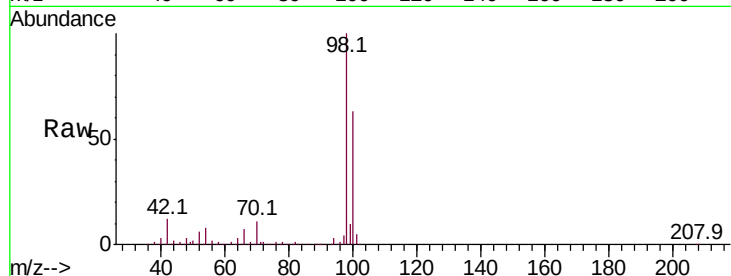
ClientSampleId :

Tot Ion: 98 Resp: 399830

Ion Ratio Lower Upper

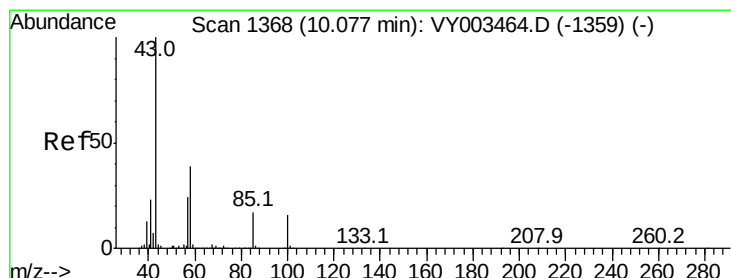
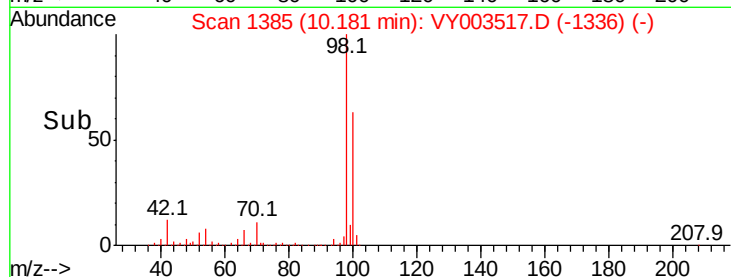
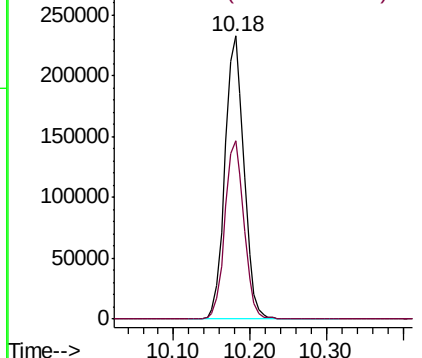
98 100

100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#51

4-Methyl-2-Pentanone

Concen: 2.469 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003517.D

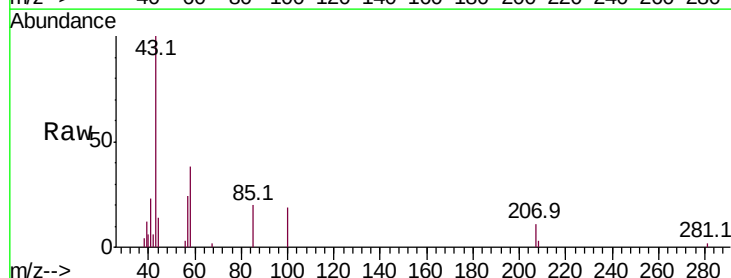
Acq: 05 Nov 2020 11:07

Tgt Ion: 43 Resp: 4569

Ion Ratio Lower Upper

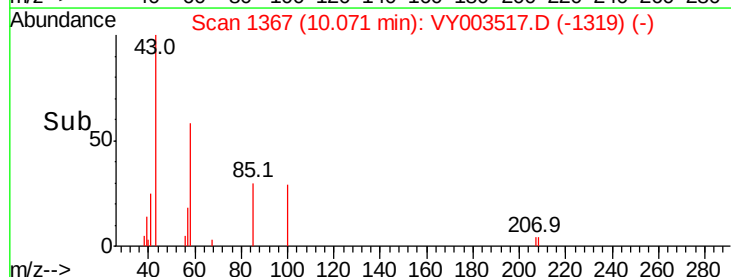
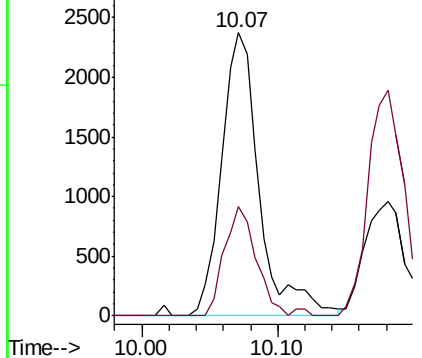
43 100

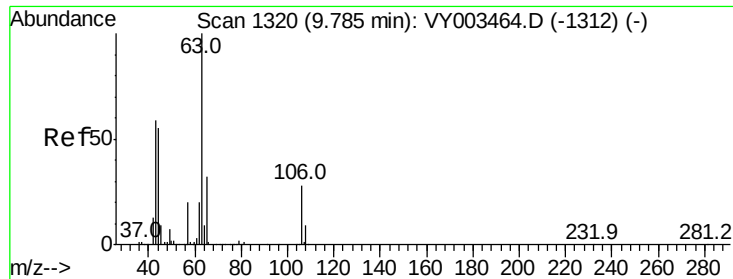
58 32.3 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

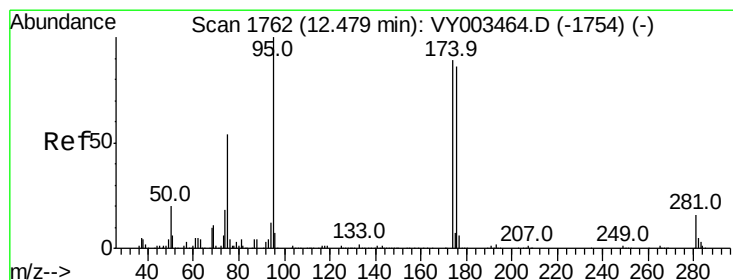
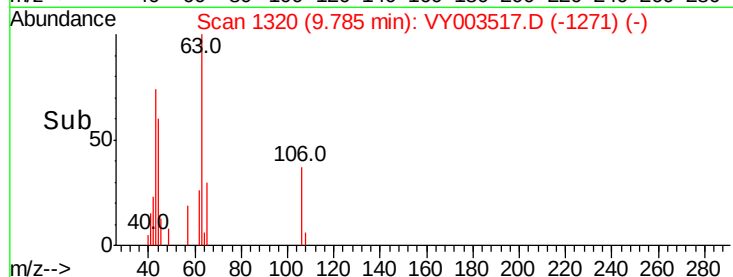
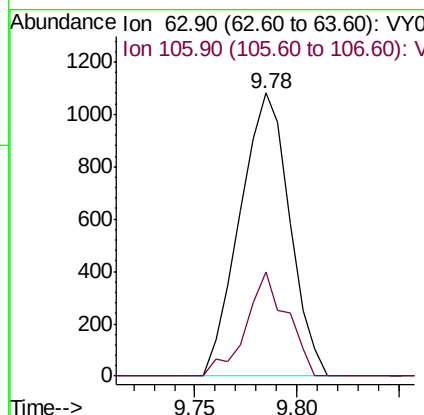
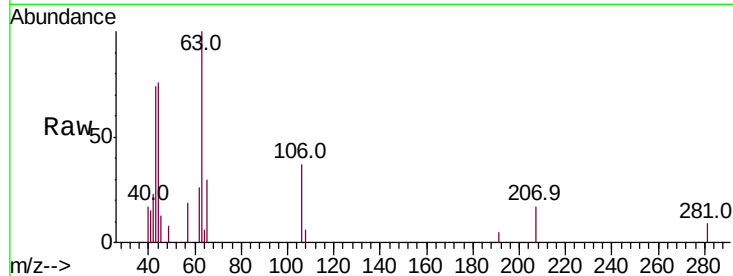




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.582 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003517.D
 Acq: 05 Nov 2020 11:07

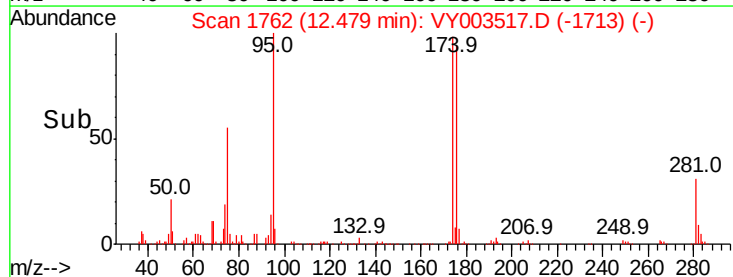
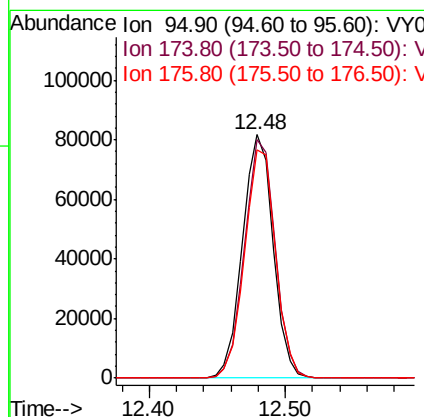
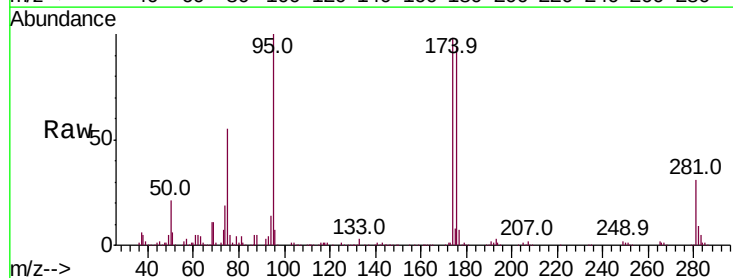
Instrument :
 MSVOA_Y
 ClientSampleId :

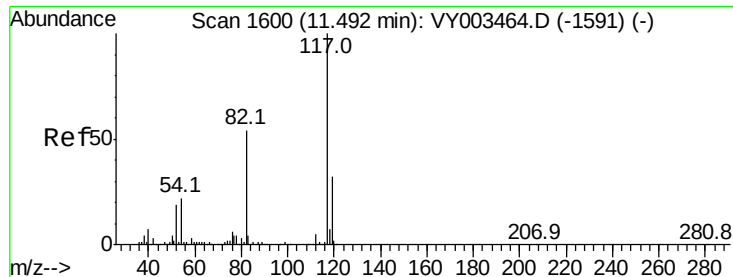
Tot Ion: 63 Resp: 1835
 Ion Ratio Lower Upper
 63 100
 106 30.3 22.3 33.5



#62
 4-Bromofluorobenzene
 Concen: 46.530 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003517.D
 Acq: 05 Nov 2020 11:07

Tgt Ion: 95 Resp: 128827
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 193.0
 176 95.1 0.0 187.4

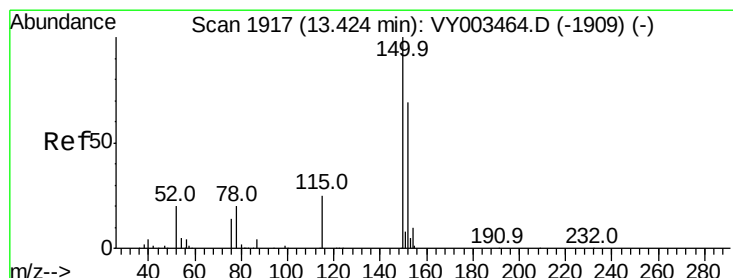
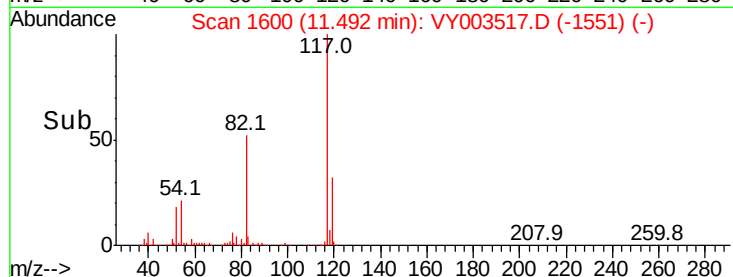
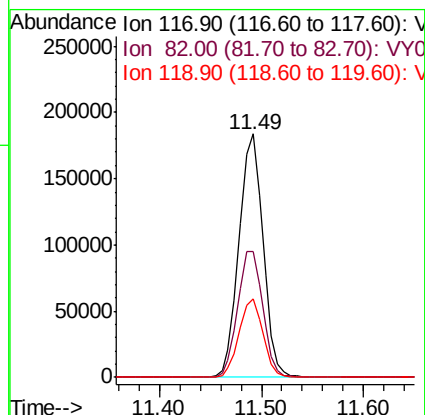
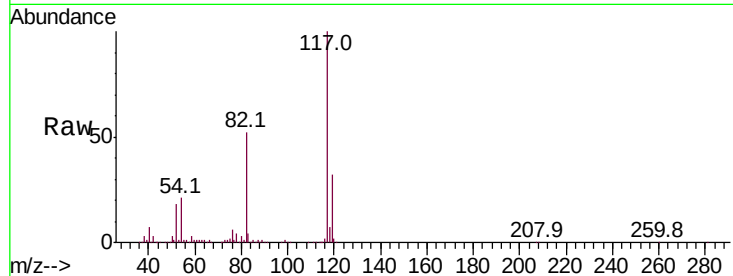




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003517.D
Acq: 05 Nov 2020 11:07

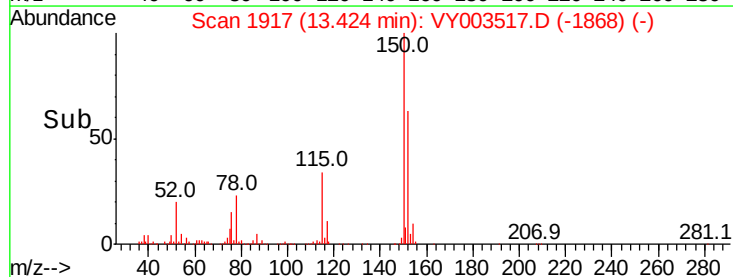
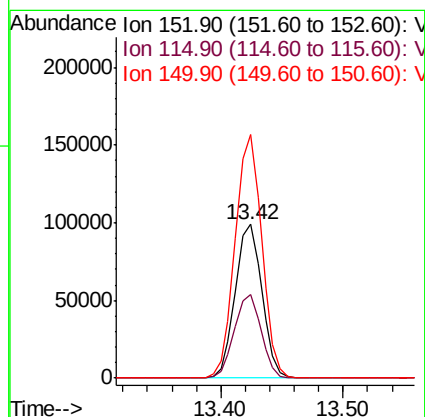
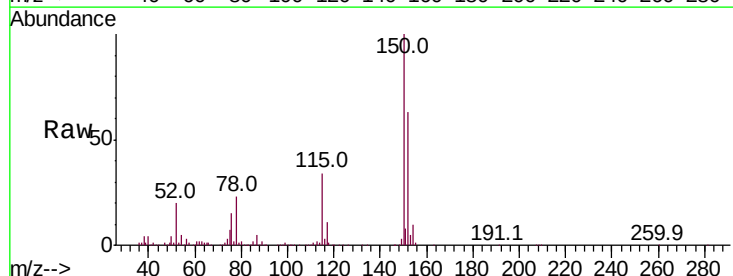
Instrument :
MSVOA_Y
ClientSampled :

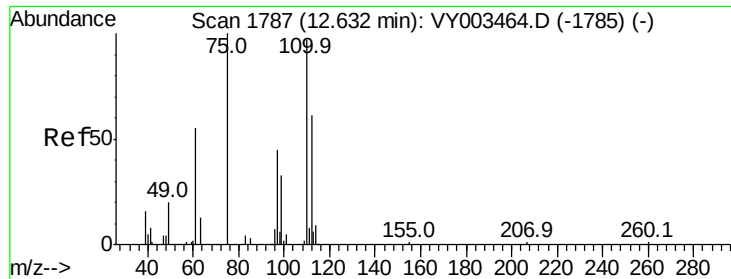
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.4	65.2
119	32.4	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003517.D
Acq: 05 Nov 2020 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.5	82.4
150	157.5	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 44.135 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

Instrument :

MSVOA_Y

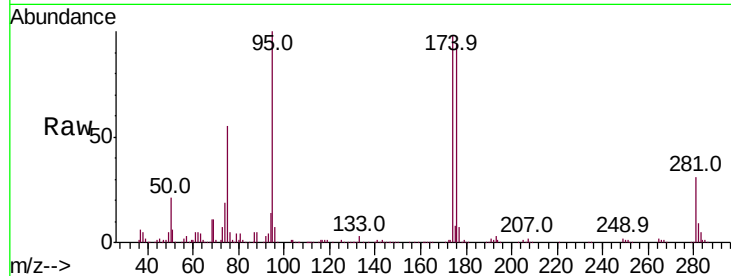
ClientSampled :

Tot Ion: 75 Resp: 69716

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

50000

40000

30000

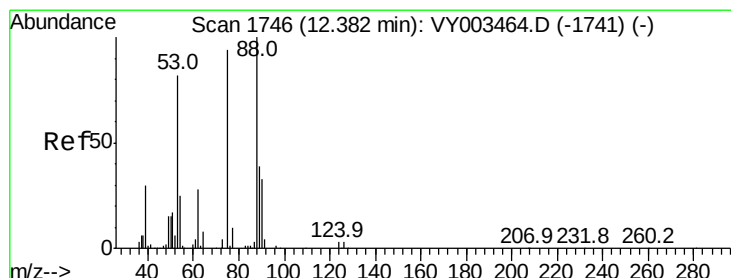
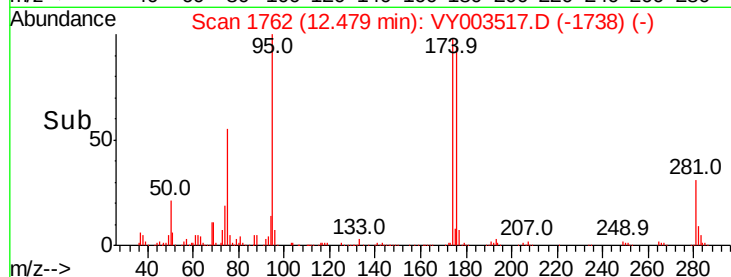
20000

10000

0

Time-->

12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 92.117 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003517.D

Acq: 05 Nov 2020 11:07

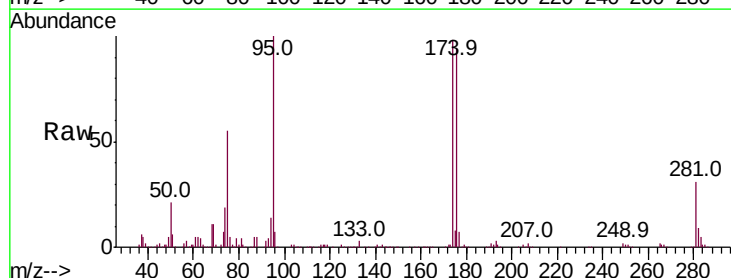
Tgt Ion: 75 Resp: 69716

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.3 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

60000

50000

40000

30000

20000

10000

0

Time-->

12.40 12.45 12.50 12.55

