

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003487.D
 Acq On : 03 Nov 2020 13:16
 Operator : SY/MD
 Sample : L4541-05RE
 Misc : 5.27G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 124036RE

Quant Time: Nov 04 00:23:14 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	120424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	193056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	157657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	67087	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	67096	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	7.73	113	60758	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	10.18	98	226620	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
62) 4-Bromofluorobenzene	12.48	95	62923	38.86	ug/l	0.00
Spiked Amount			Recovery	=	77.72%	

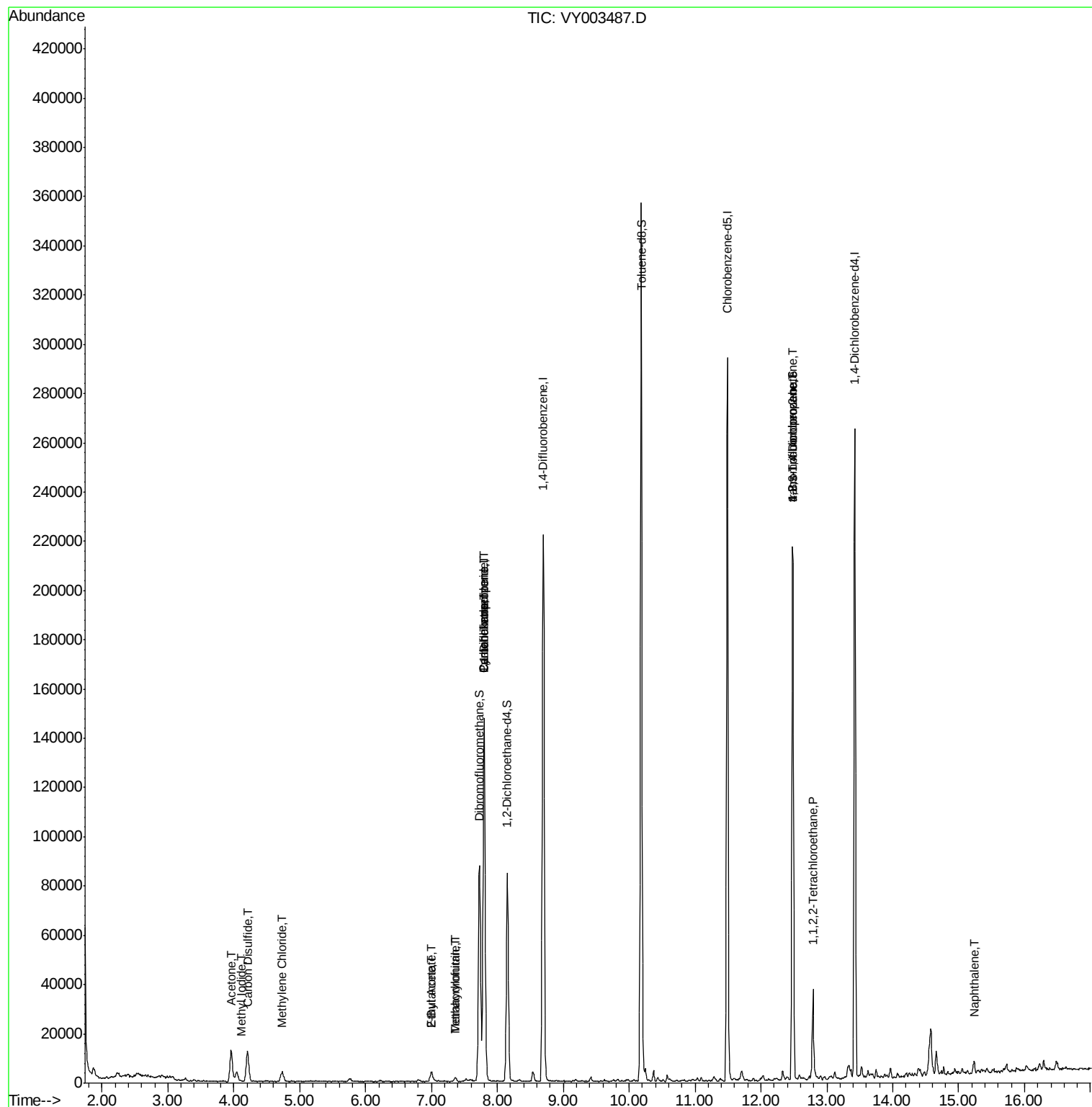
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.12	142	490	5.043	ug/l #	69
11) Tert butyl alcohol	4.97	59	74	Below Cal	#	73
16) Acetone	3.96	43	22018	54.063	ug/l	96
17) Carbon Disulfide	4.21	76	23952	7.523	ug/l	100
20) Methylene Chloride	4.72	84	2937	2.561	ug/l #	82
25) 2-Butanone	7.00	43	5088	9.989	ug/l #	86
29) Tetrahydrofuran	7.36	42	1004	3.772	ug/l	89
31) Cyclohexane	7.80	56	2431	1.314	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	8272	4.545	ug/l #	49
37) Ethyl Acetate	7.00	43	5088	4.502	ug/l #	70
38) Carbon Tetrachloride	7.80	117	10523	5.573	ug/l #	18
41) Methacrylonitrile	7.35	41	788	1.306	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	12.79	83	982	1.049	ug/l #	41
76) 1,2,3-Trichloropropane	12.48	75	34012	47.916	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	34012	100.008	ug/l #	12
95) Naphthalene	15.23	128	3667	1.405	ug/l #	95

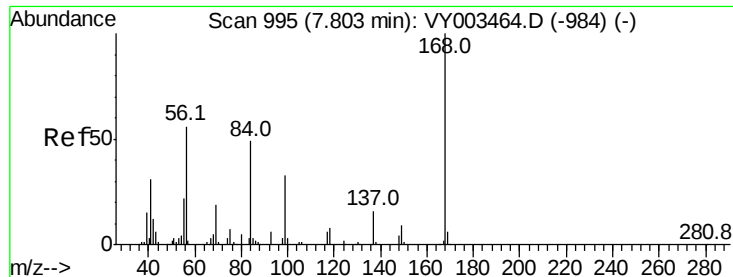
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
Data File : VY003487.D
Acq On : 03 Nov 2020 13:16
Operator : SY/MD
Sample : L4541-05RE
Misc : 5.27G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124036RE

Quant Time: Nov 04 00:23:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

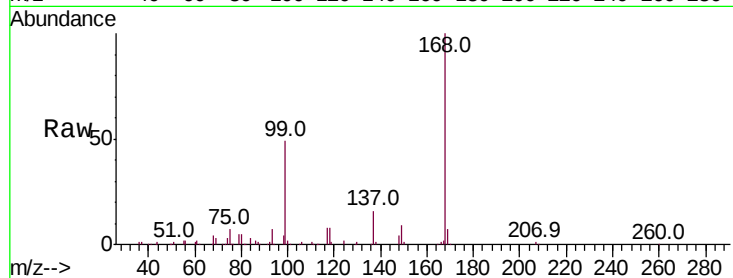
124036RE

Tot Ion:168 Resp: 120424

Ion Ratio Lower Upper

168 100

99 49.2 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

60000

50000

40000

30000

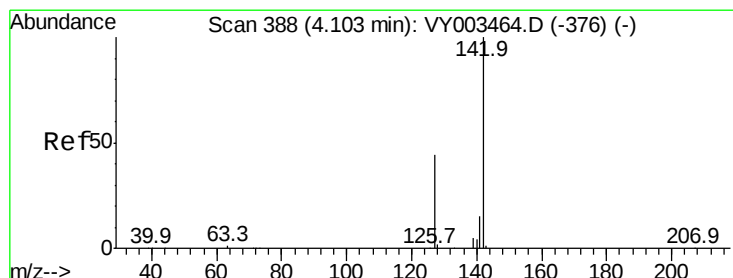
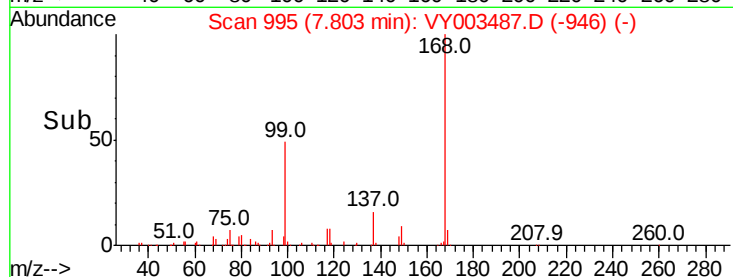
20000

10000

0

7.70 7.80 7.90

Time-->



#10

Methyl Iodide

Concen: 5.043 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.02 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

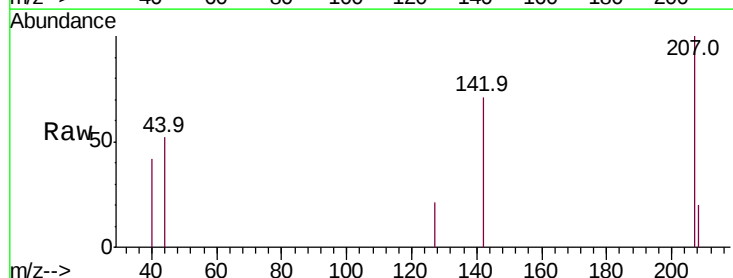
Tgt Ion:142 Resp: 490

Ion Ratio Lower Upper

142 100

127 24.7 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

250

200

150

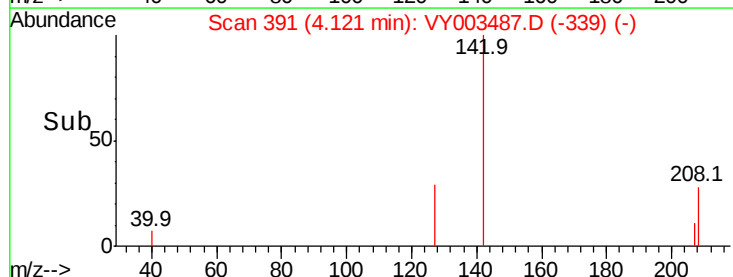
100

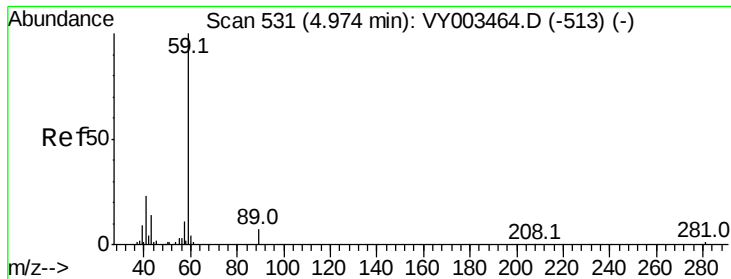
50

0

4.05 4.10 4.15

Time-->



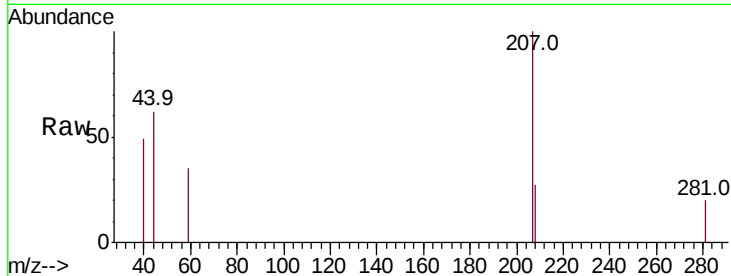


#11

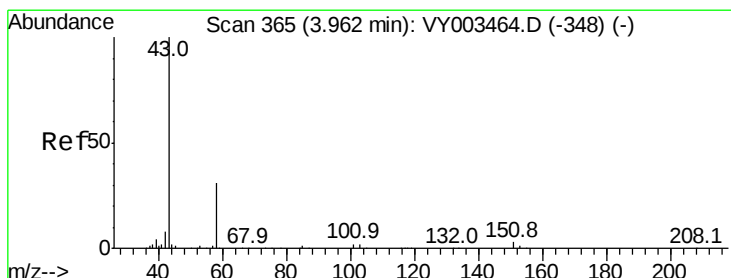
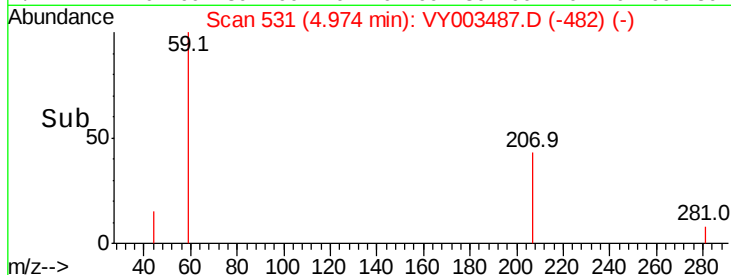
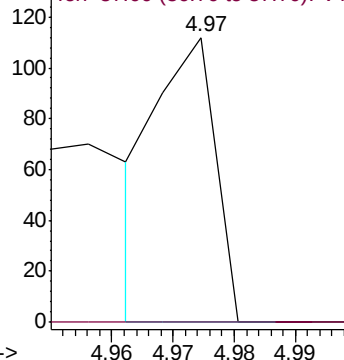
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VY003487.D
 Acq: 03 Nov 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 124036RE

Tot Ion: 59 Resp: 74
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#



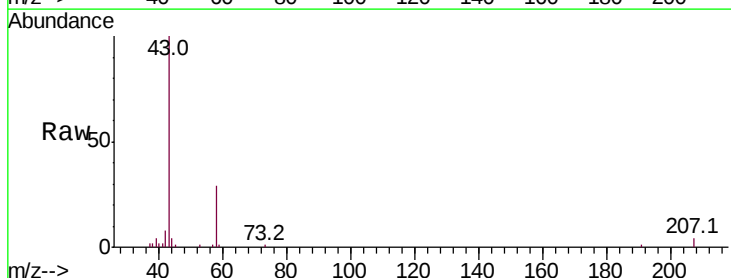
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



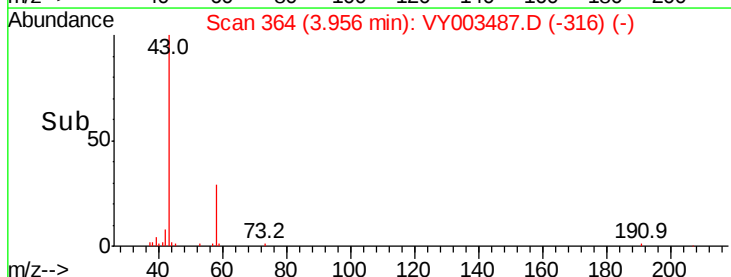
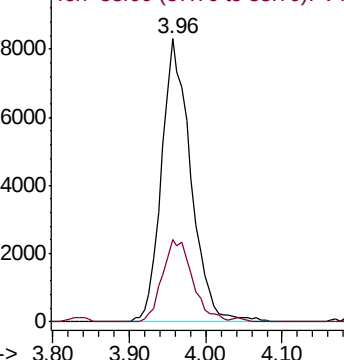
#16

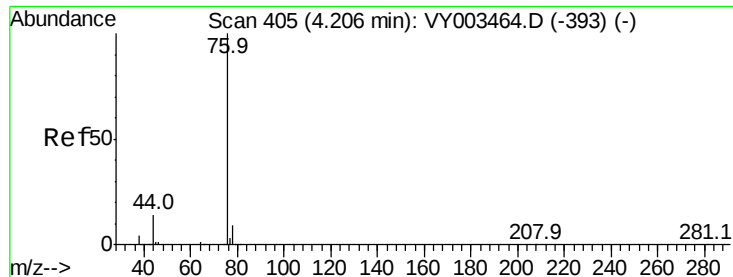
Acetone
 Concen: 54.063 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY003487.D
 Acq: 03 Nov 2020 13:16

Tgt Ion: 43 Resp: 22018
 Ion Ratio Lower Upper
 43 100
 58 29.2 25.0 37.4



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

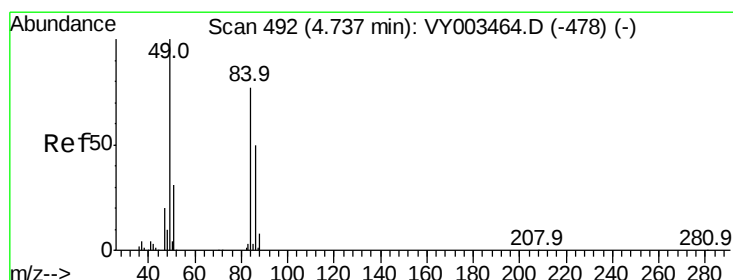
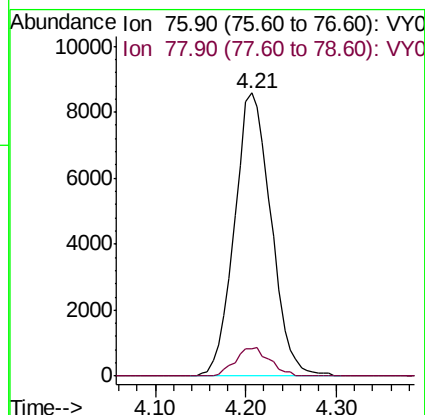
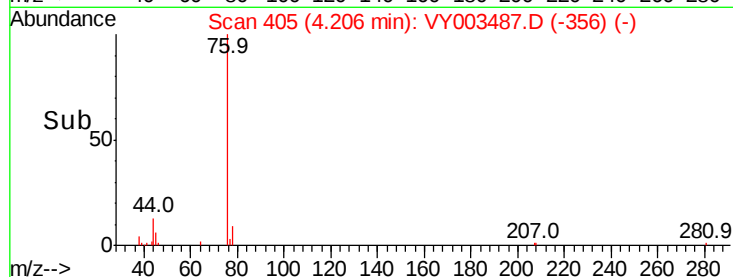
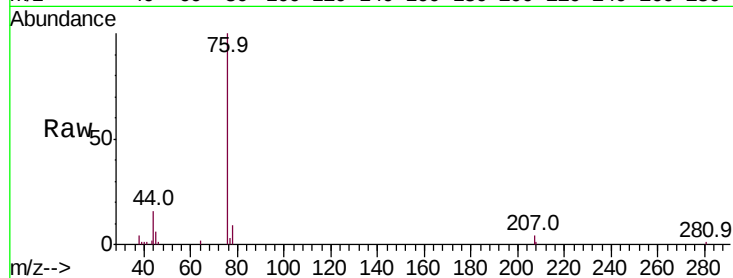




#17
Carbon Disulfide
Concen: 7.523 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.00 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

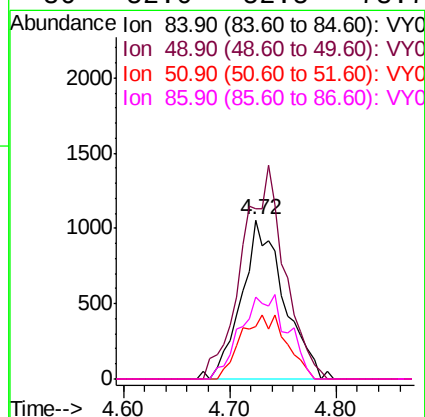
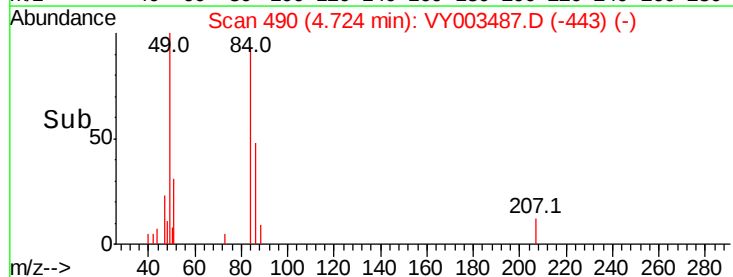
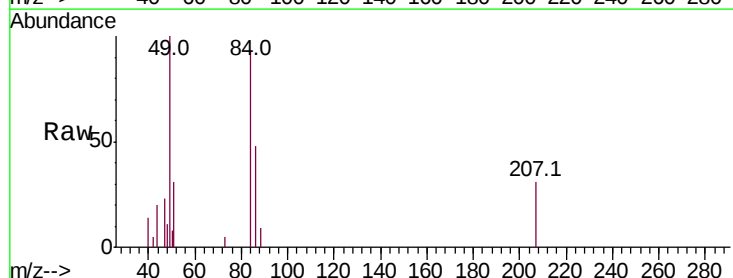
Instrument :
MSVOA_Y
ClientSampleId :
124036RE

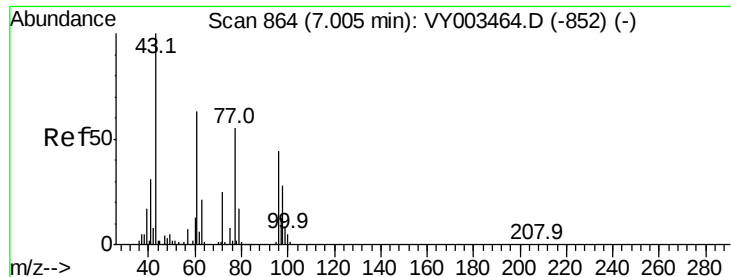
Tot Ion: 76 Resp: 23952
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#20
Methylene Chloride
Concen: 2.561 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

Tgt Ion: 84 Resp: 2937
Ion Ratio Lower Upper
84 100
49 107.5 104.3 156.5
51 32.9 32.5 48.7
86 52.0 52.5 78.7#

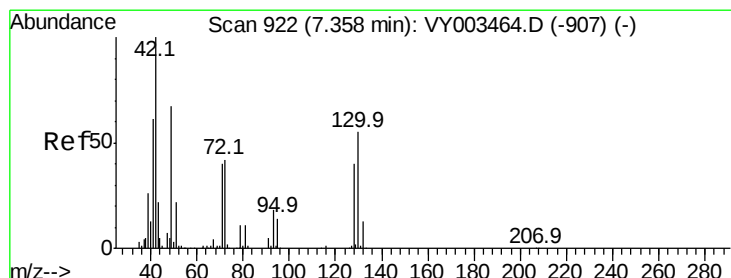
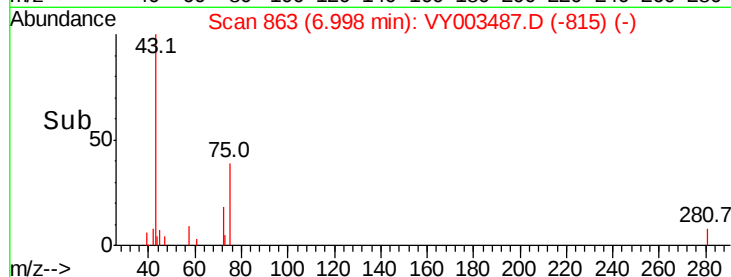
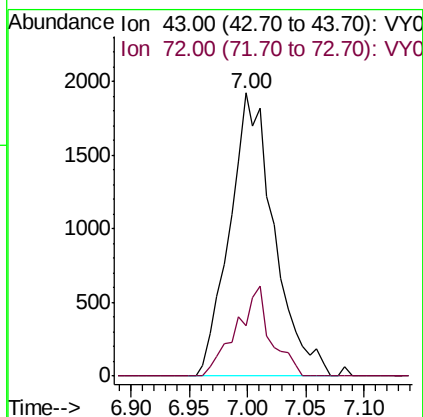
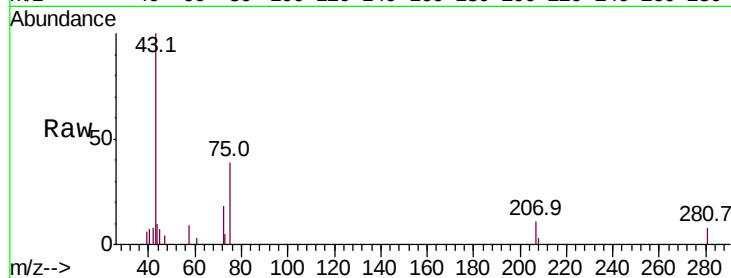




#25
2-Butanone
Concen: 9.989 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

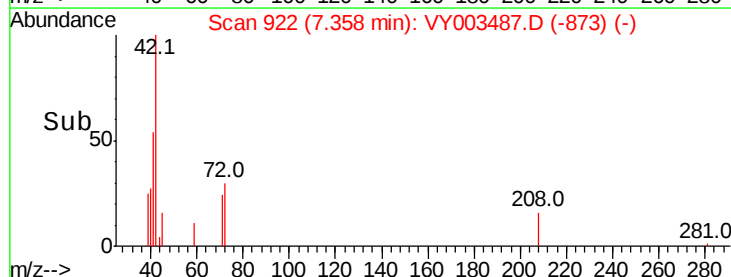
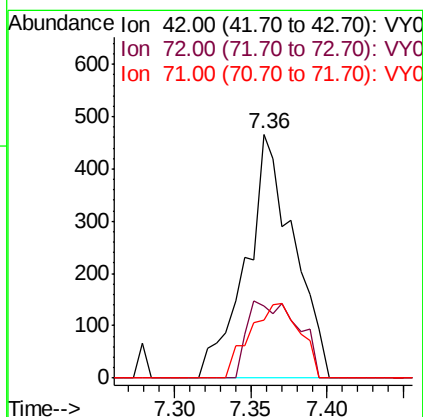
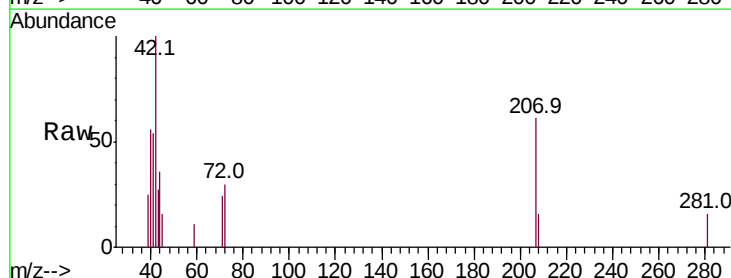
Instrument :
MSVOA_Y
ClientSampleId :
124036RE

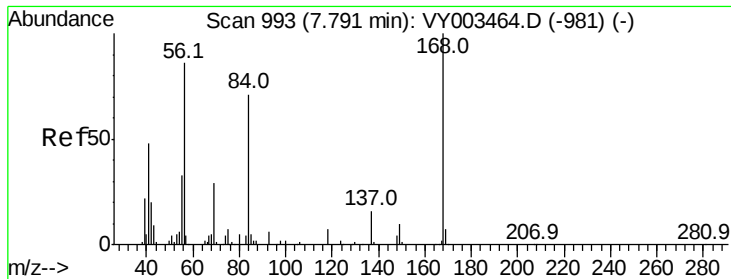
Tot Ion: 43 Resp: 5088
Ion Ratio Lower Upper
43 100
72 18.0 20.1 30.1#



#29
Tetrahydrofuran
Concen: 3.772 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

Tgt Ion: 42 Resp: 1004
Ion Ratio Lower Upper
42 100
72 34.0 32.8 49.2
71 32.4 30.7 46.1





#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

124036RE

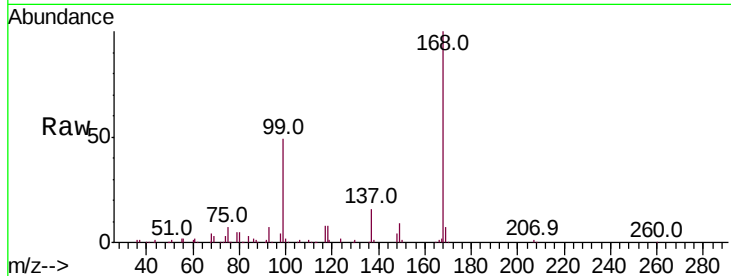
Tot Ion: 56 Resp: 2431

Ion Ratio Lower Upper

56 100

69 161.2 26.6 39.8#

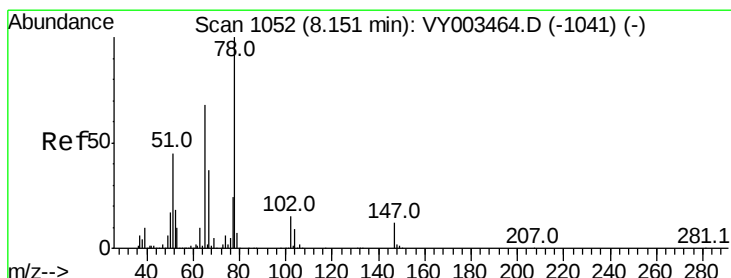
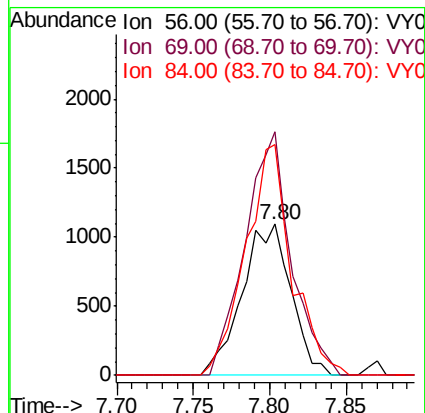
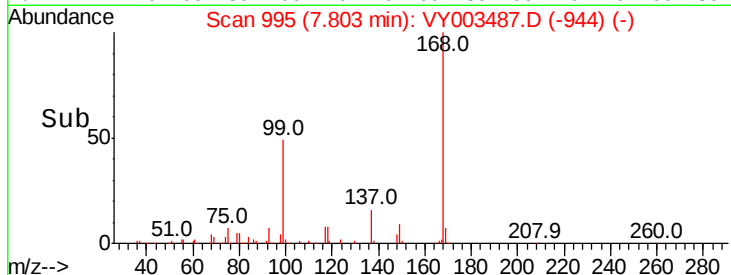
84 152.4 65.9 98.9#



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: 54.348 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY003487.D

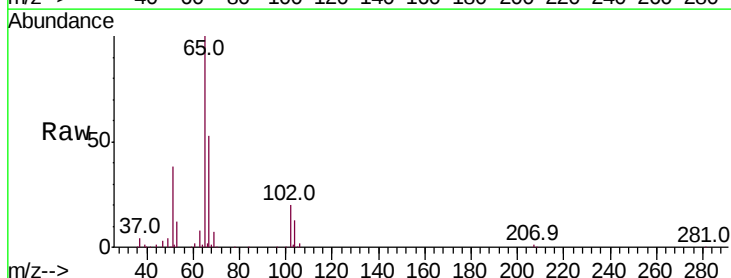
Acq: 03 Nov 2020 13:16

Tgt Ion: 65 Resp: 67096

Ion Ratio Lower Upper

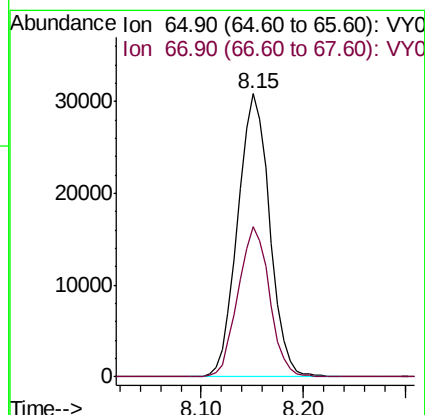
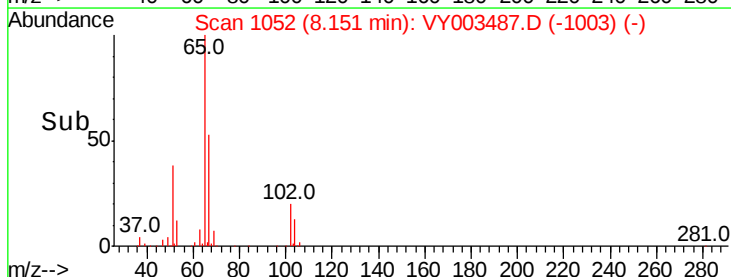
65 100

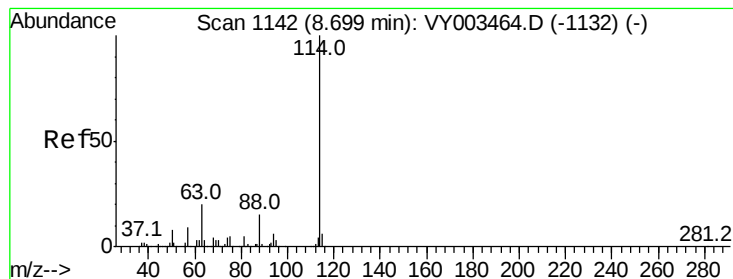
67 52.3 0.0 106.0



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: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

124036RE

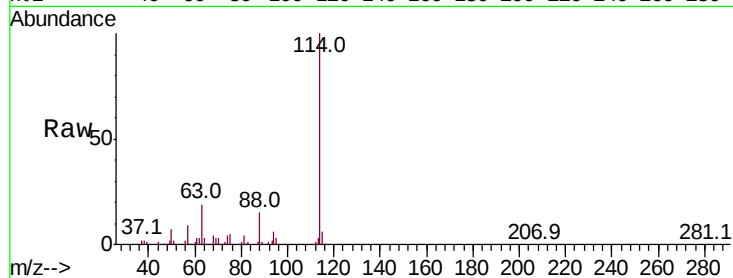
Tot Ion:114 Resp: 193056

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.6

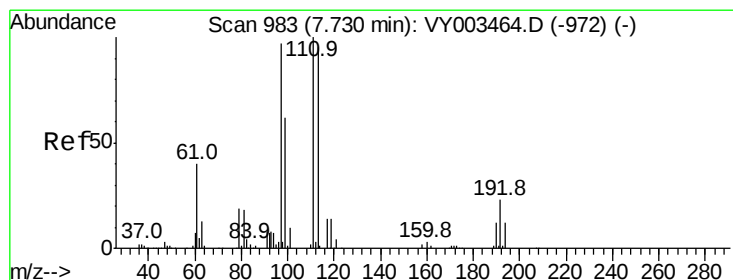
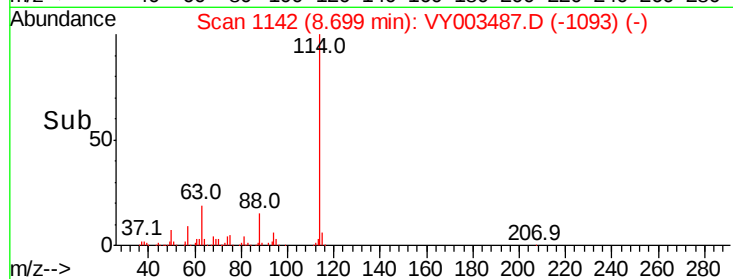
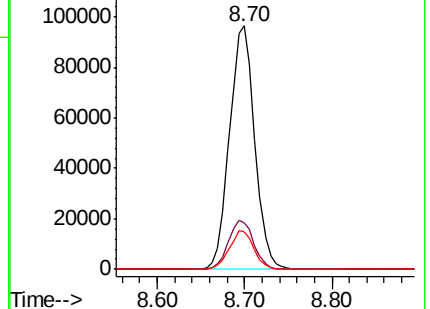
88 15.3 0.0 29.4



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: 51.718 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

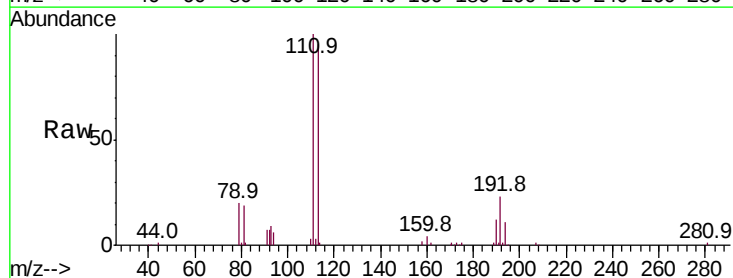
Tgt Ion:113 Resp: 60758

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

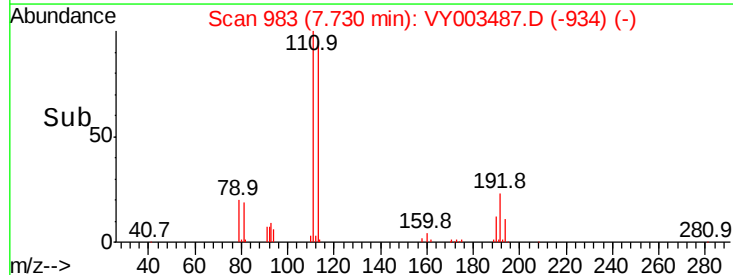
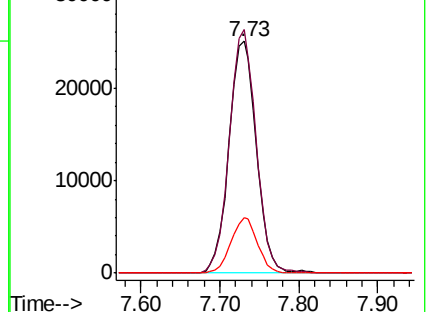
192 22.9 18.8 28.2

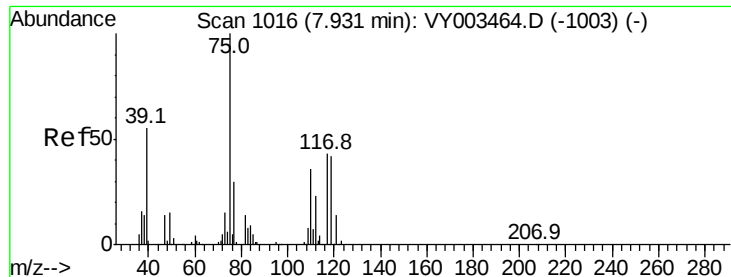


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.545 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

124036RE

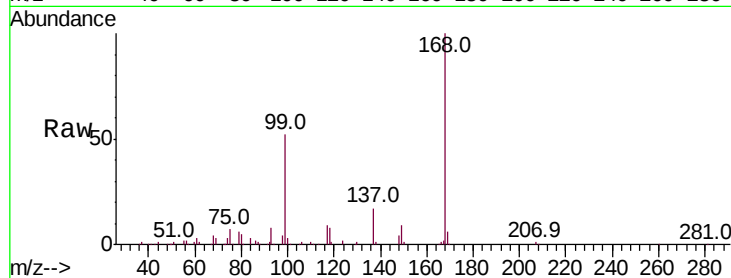
Tot Ion: 75 Resp: 8272

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

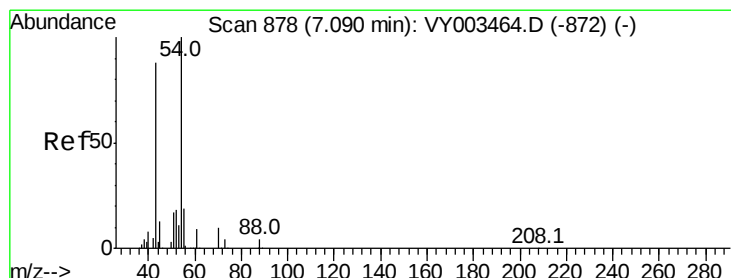
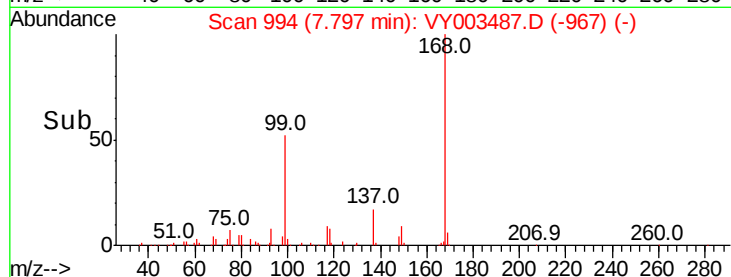
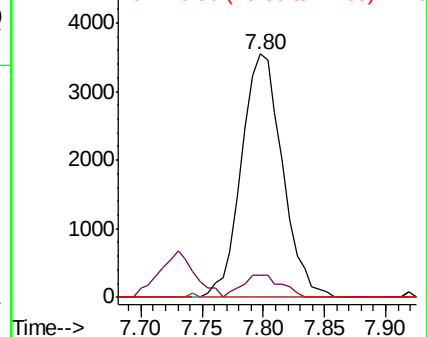
77 0.0 24.7 37.1#



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



#37

Ethyl Acetate

Concen: 4.502 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.09 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

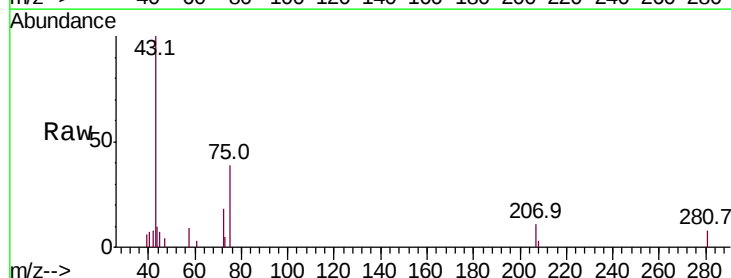
Tgt Ion: 43 Resp: 5088

Ion Ratio Lower Upper

43 100

61 0.7 11.0 16.6#

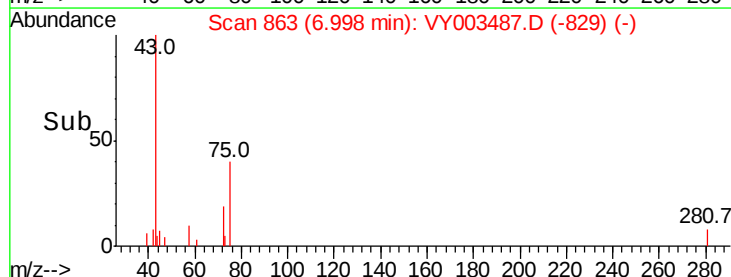
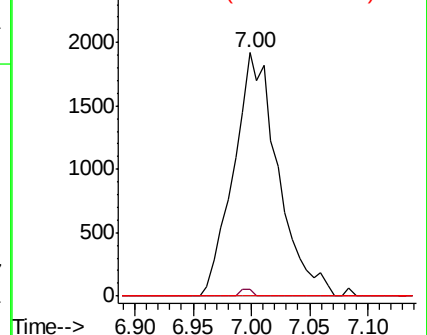
70 0.0 7.9 11.9#

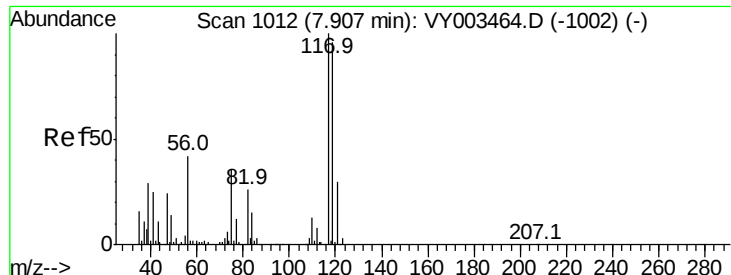


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 5.573 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

124036RE

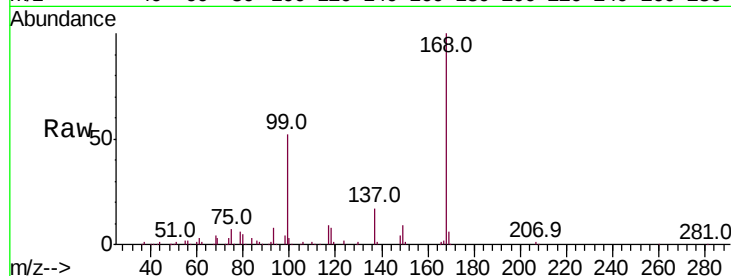
Tot Ion:117 Resp: 10523

Ion Ratio Lower Upper

117 100

119 7.2 76.2 114.4#

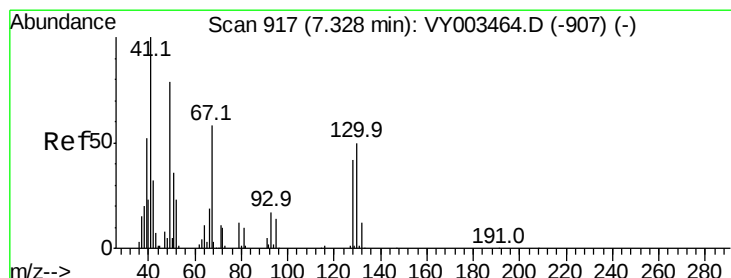
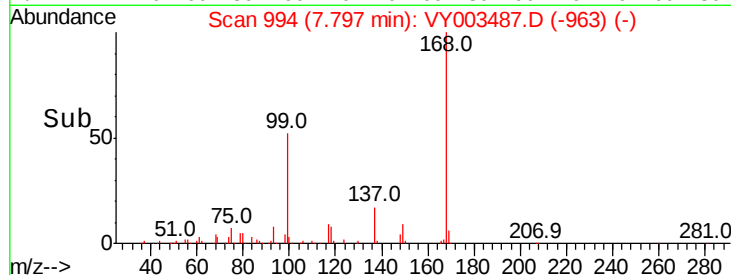
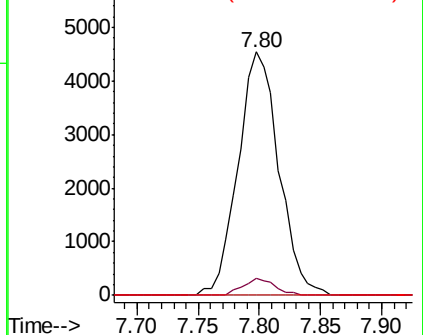
121 0.0 24.2 36.4#



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



#41

Methacrylonitrile

Concen: 1.306 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.02 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Tgt Ion: 41 Resp: 788

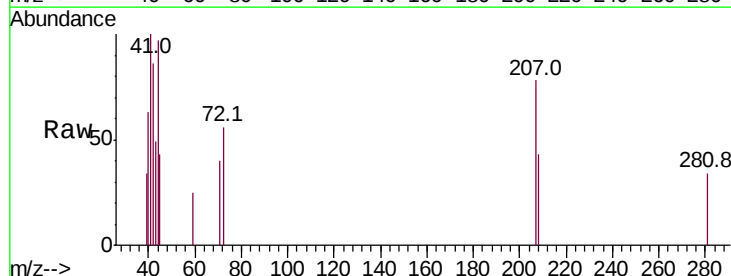
Ion Ratio Lower Upper

41 100

39 25.1 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

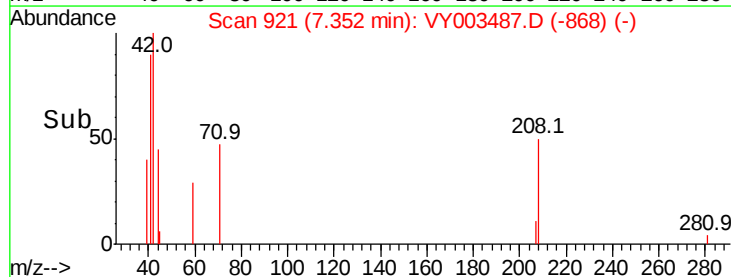
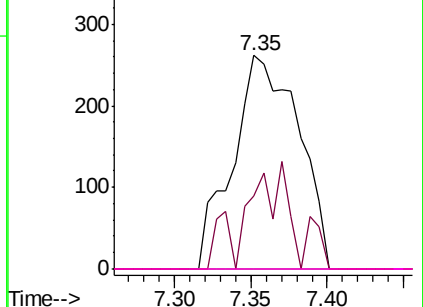


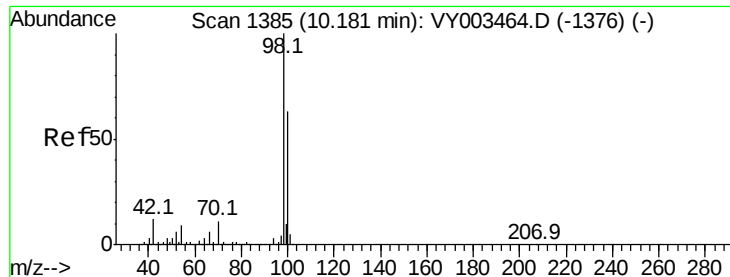
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 46.370 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

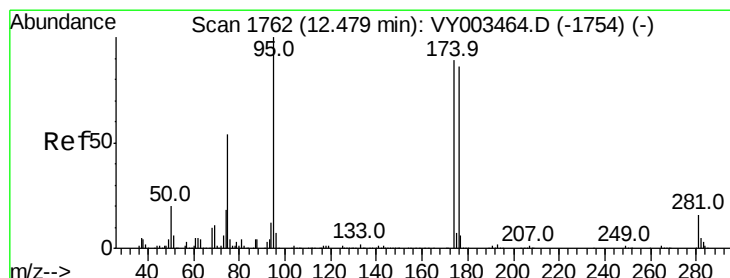
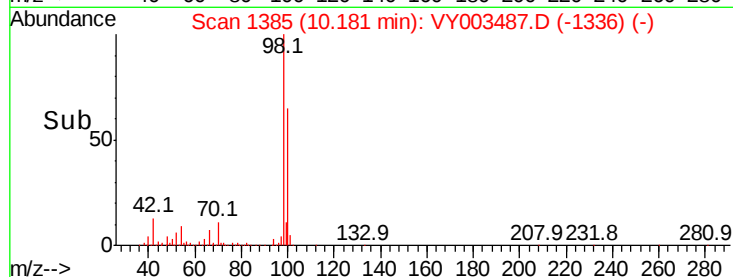
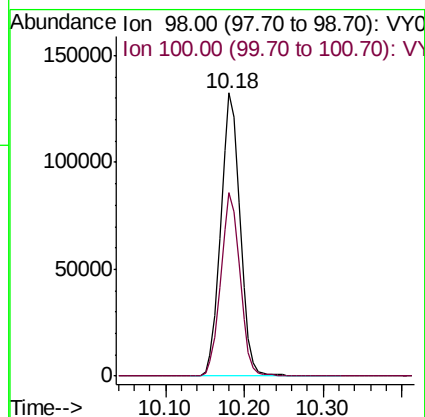
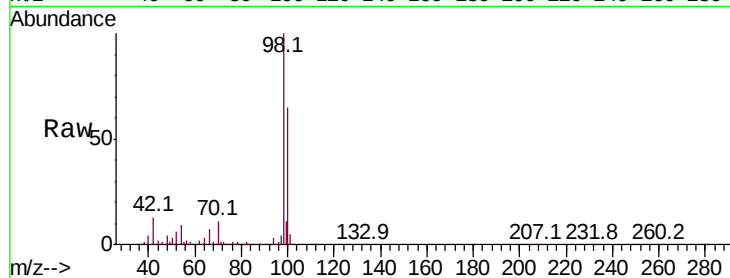
124036RE

Tot Ion: 98 Resp: 226620

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 38.858 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

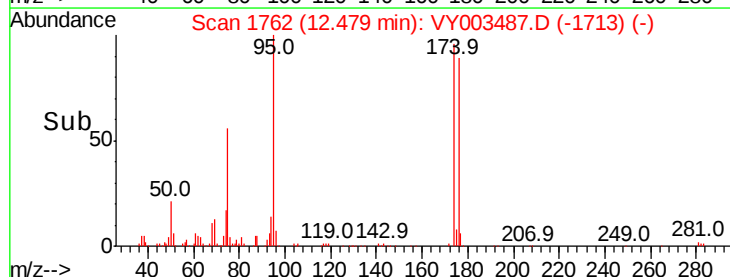
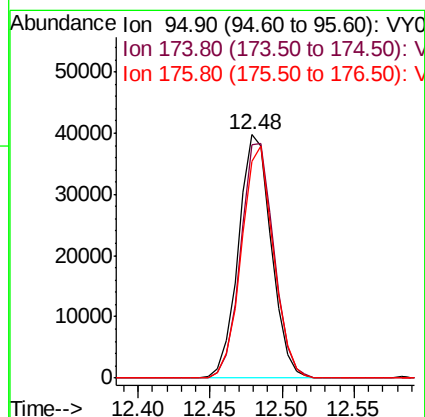
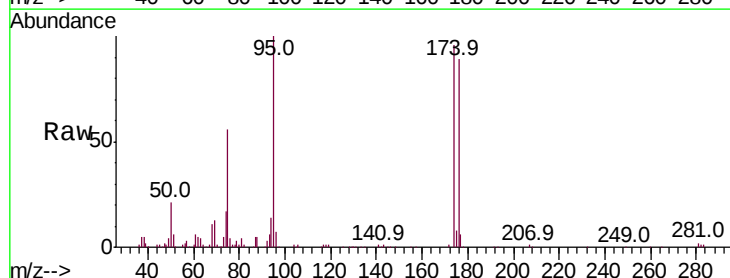
Tgt Ion: 95 Resp: 62923

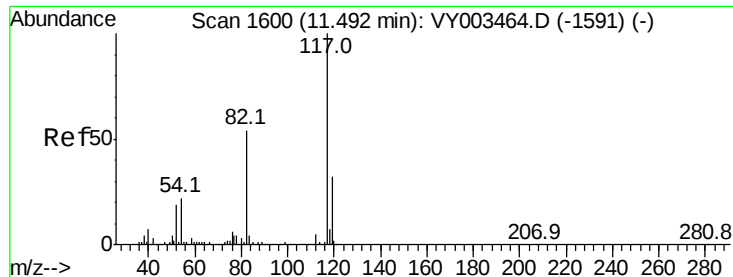
Ion Ratio Lower Upper

95 100

174 97.0 0.0 193.0

176 92.9 0.0 187.4

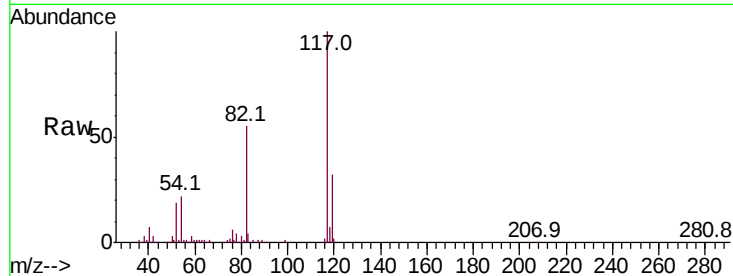




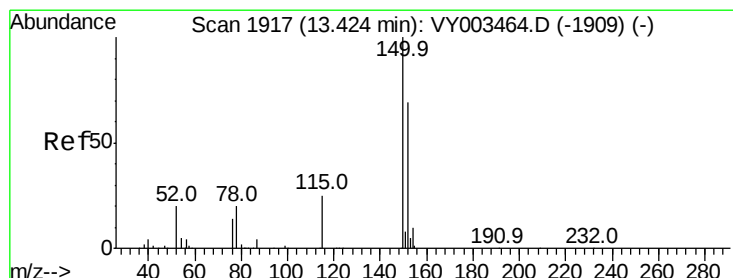
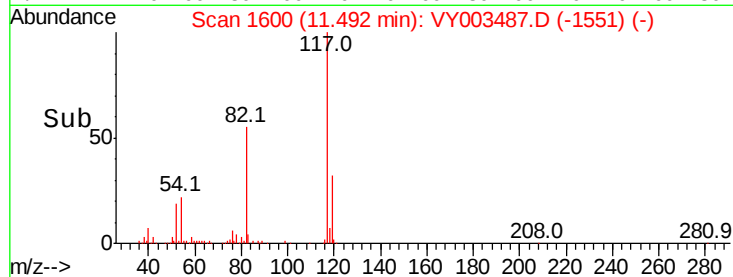
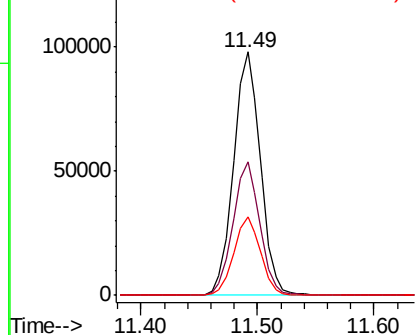
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
124036RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.4	65.2
119	32.2	25.8	38.6

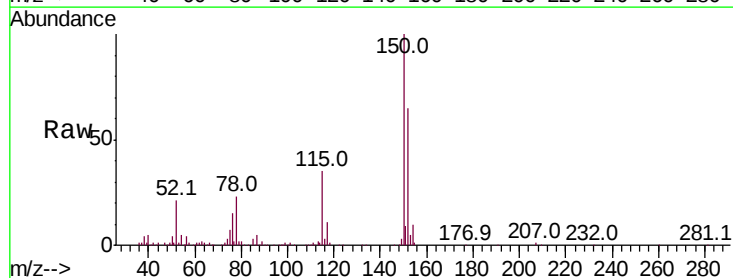


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

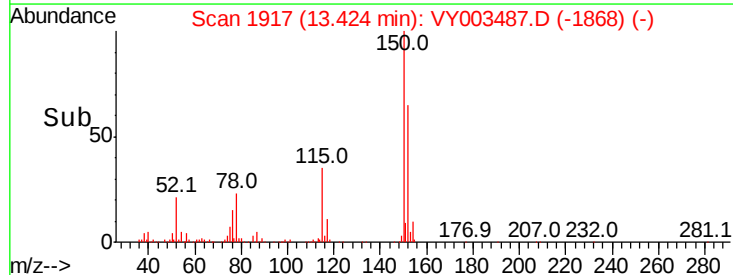
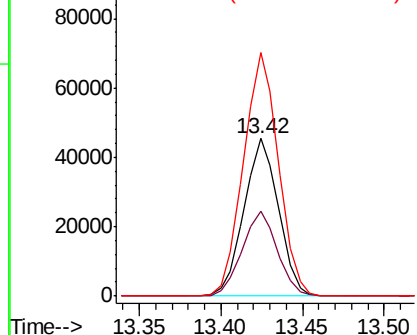


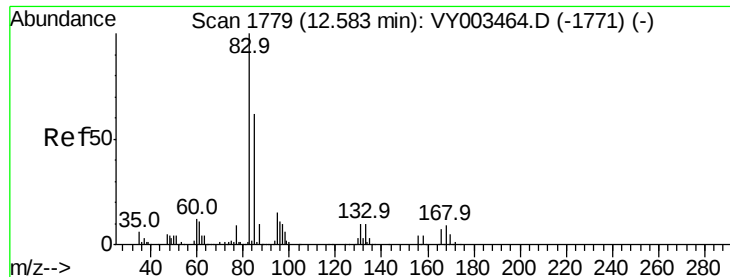
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.5	82.4
150	156.8	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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.049 ug/l

RT: 12.79 min Scan# 1813

Delta R.T. 0.21 min

Lab File: VY003487.D

Acq: 03 Nov 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

124036RE

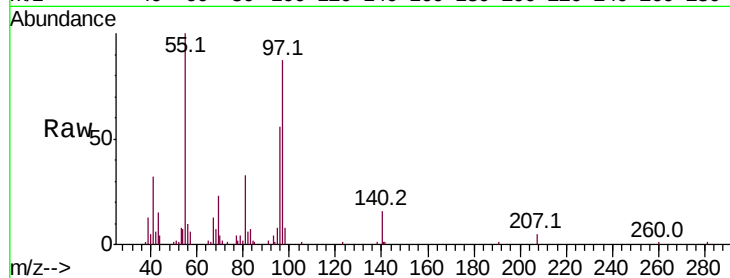
Tot Ion: 83 Resp: 982

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

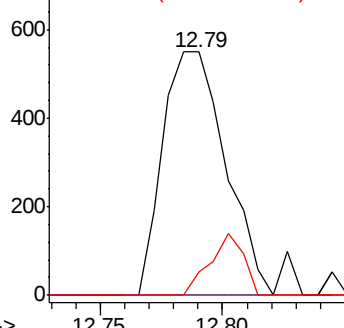
85 13.4 32.0 96.2#



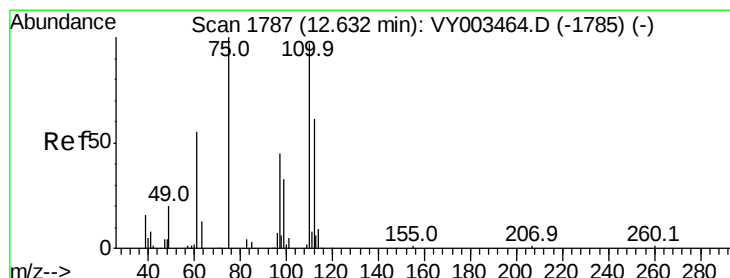
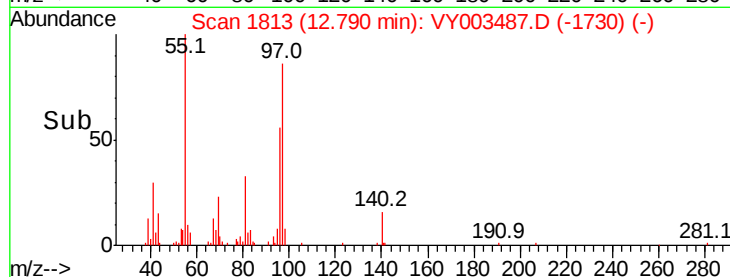
Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



Time-->



#76

1,2,3-Trichloropropane

Concen: 47.916 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003487.D

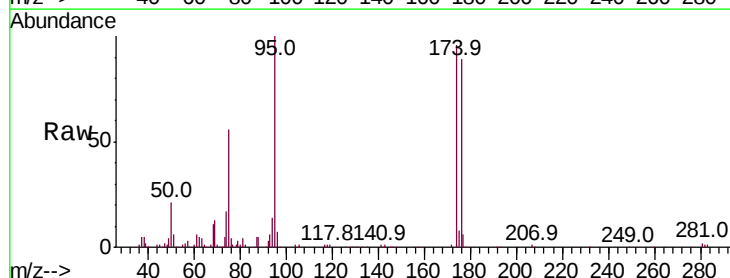
Acq: 03 Nov 2020 13:16

Tgt Ion: 75 Resp: 34012

Ion Ratio Lower Upper

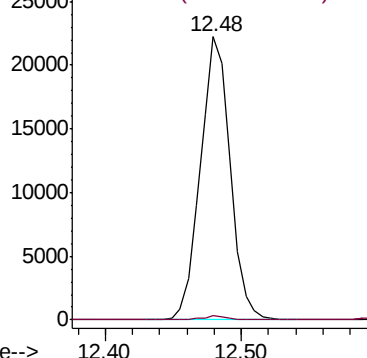
75 100

77 1.1 0.0 0.0#

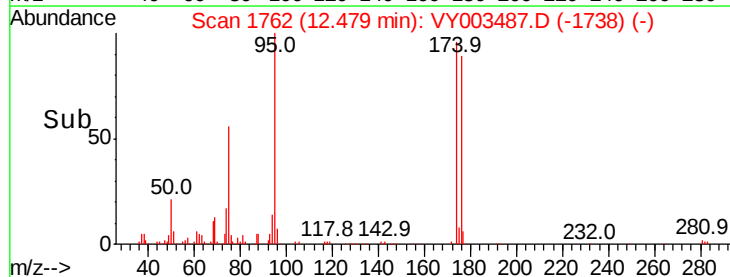


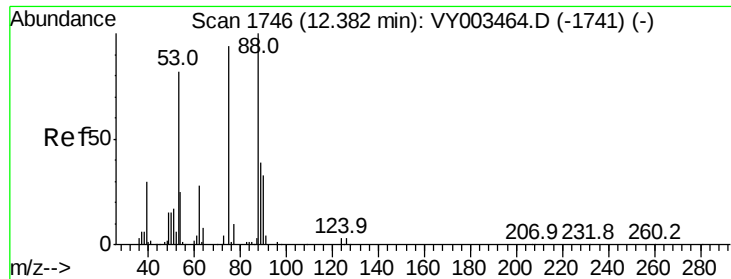
Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time-->

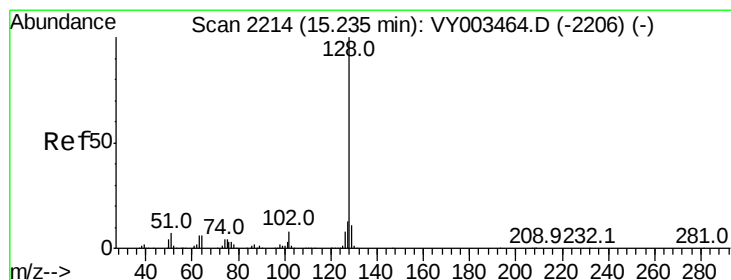
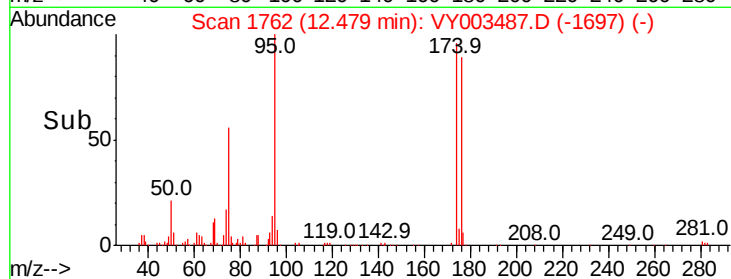
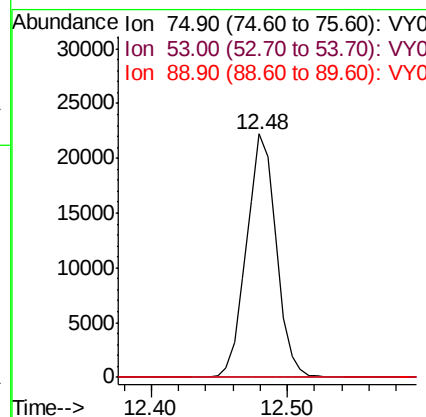
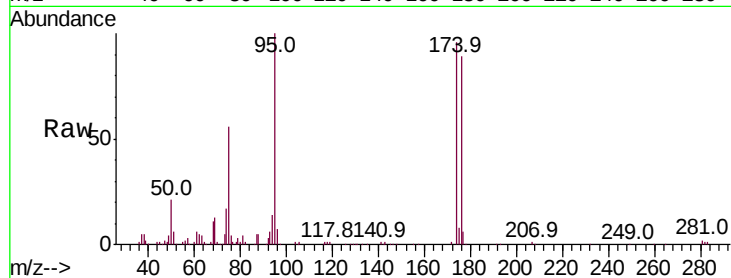




#81
trans-1,4-Dichloro-2-butene
Concen: 100.008 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
124036RE

Tot Ion: 75 Resp: 34012
Ion Ratio Lower Upper
75 100
53 0.0 74.7 112.1#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 1.405 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003487.D
Acq: 03 Nov 2020 13:16

Tgt Ion: 128 Resp: 3667
Ion Ratio Lower Upper
128 100
127 14.4 10.5 15.7
129 13.3 8.6 13.0#

