

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112219\
 Data File : VY000788.D
 Acq On : 22 Nov 2019 13:12
 Operator : SY/MD
 Sample : K5970-05
 Misc : 6.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28-D1

Quant Time: Nov 23 04:02:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	267192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	486885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	425410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	185062	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	160738	58.13	ug/l	0.00
Spiked Amount			Recovery	=	116.26%	
35) Dibromofluoromethane	7.73	113	141980	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	10.18	98	581001	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.48	95	190501	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

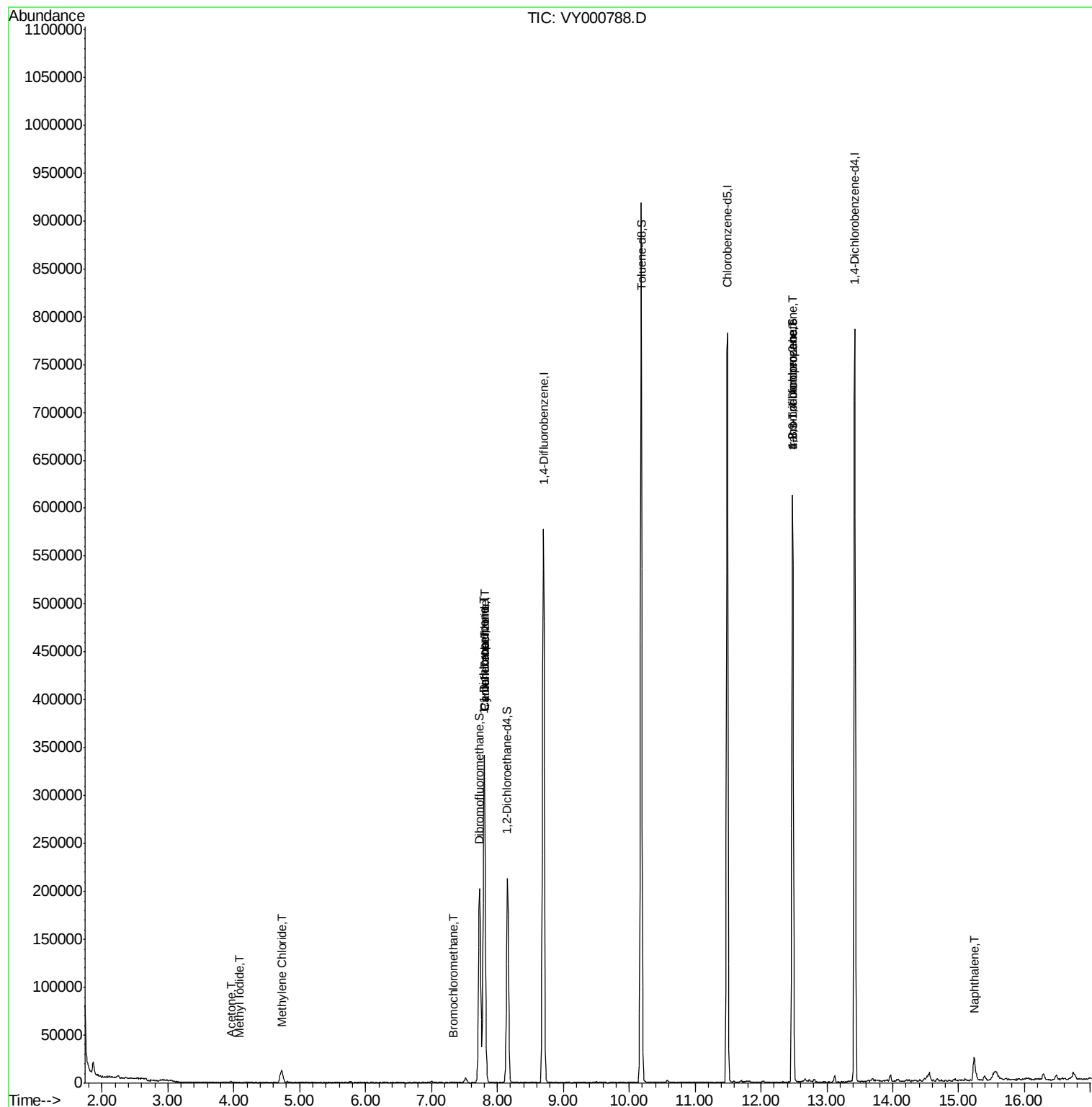
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	60	3.215	ug/l #	41
16) Acetone	3.95	43	1569	2.059	ug/l #	78
20) Methylene Chloride	4.74	84	9499	2.909	ug/l	86
28) Bromochloromethane	7.33	49	28	4.104	ug/l #	14
31) Cyclohexane	7.80	56	6703	1.252	ug/l #	29
36) 1,1-Dichloropropene	7.79	75	22636	4.918	ug/l #	49
38) Carbon Tetrachloride	7.80	117	26751	6.040	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	97271	46.162	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	97271	103.500	ug/l #	13
95) Naphthalene	15.23	128	11829	1.420	ug/l #	93

(#) = 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# 995

Delta R.T. -0.00 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

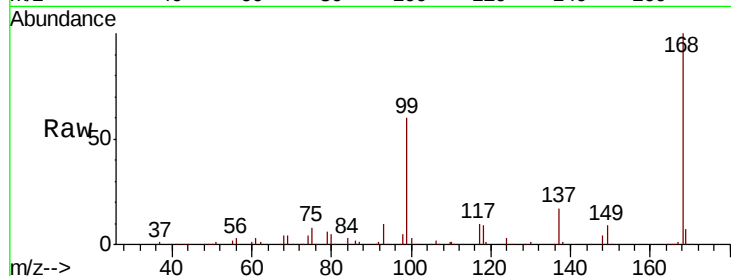
TP-28-D1

Tot Ion:168 Resp: 267192

Ion Ratio Lower Upper

168 100

99 60.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

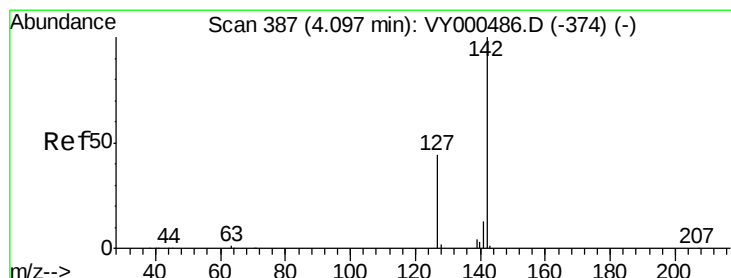
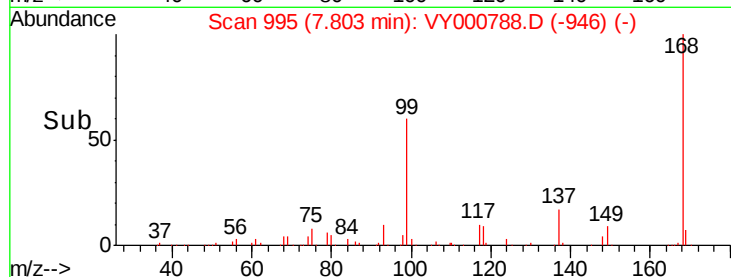
7.80

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.215 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

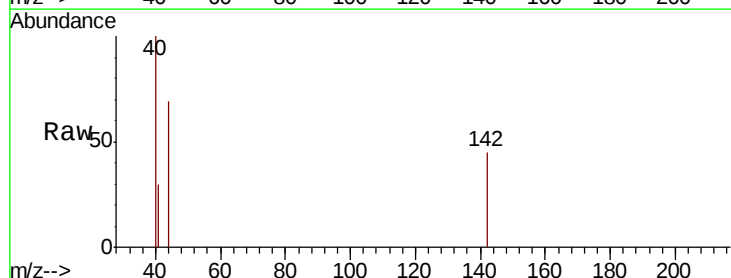
Tgt Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



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

120

100

80

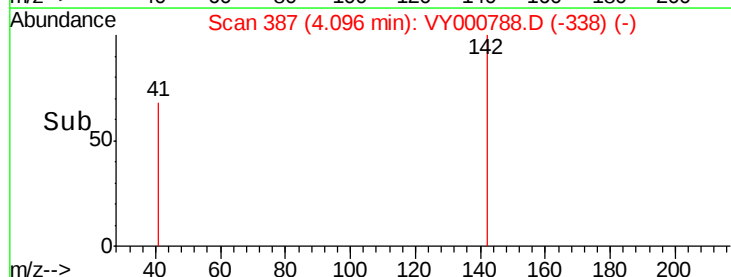
60

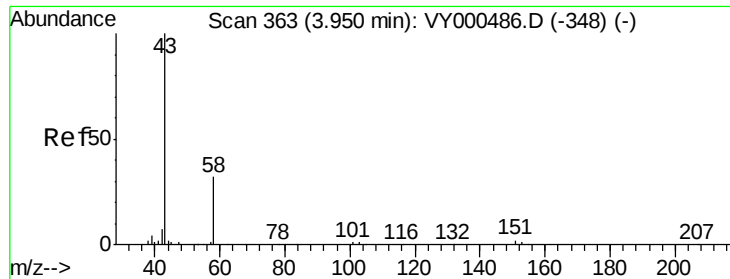
40

20

0

Time-->





#16

Acetone

Concen: 2.059 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

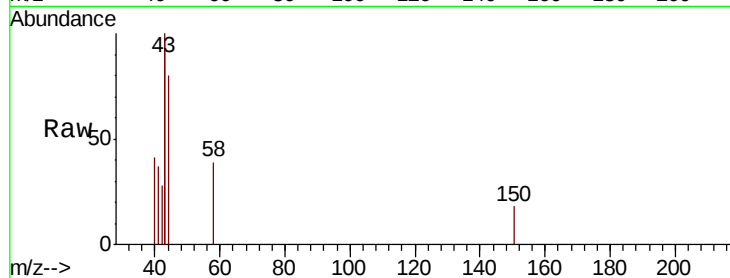
TP-28-D1

Tot Ion: 43 Resp: 1569

Ion Ratio Lower Upper

43 100

58 19.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

600

400

200

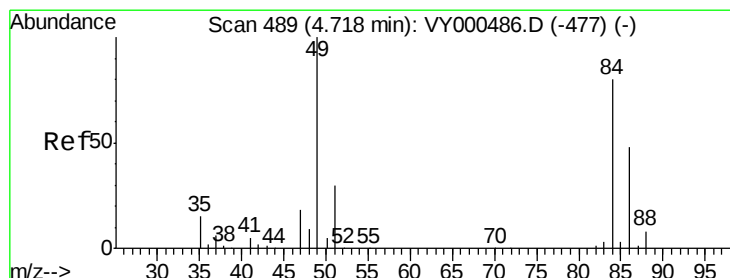
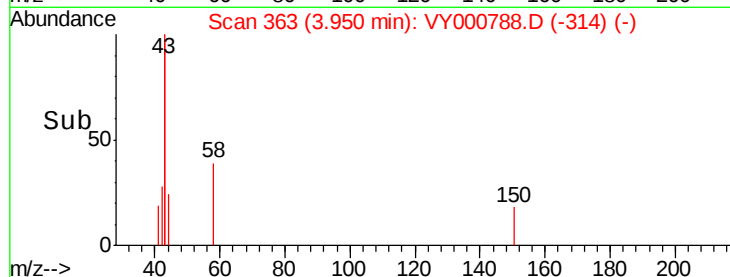
0

3.90

3.95

4.00

Time-->



#20

Methylene Chloride

Concen: 2.909 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.02 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

Tgt Ion: 84 Resp: 9499

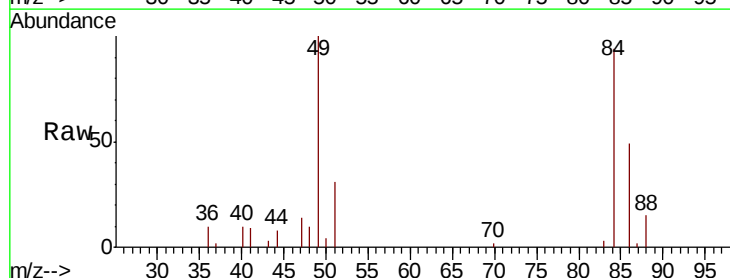
Ion Ratio Lower Upper

84 100

49 106.1 100.2 150.4

51 32.8 29.6 44.4

86 52.4 48.3 72.5



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

6000

4000

2000

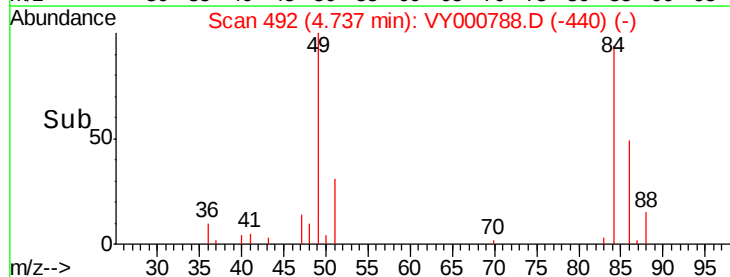
0

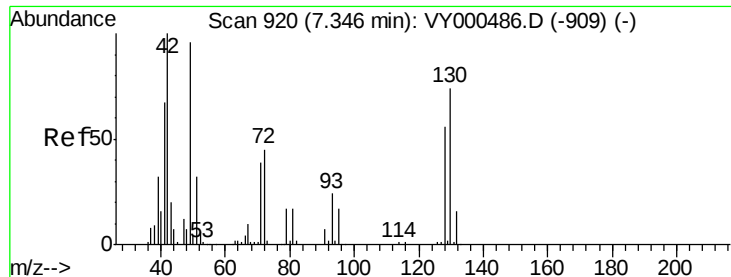
4.60

4.70

4.80

Time-->





#28

Bromochloromethane

Concen: 4.104 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-28-D1

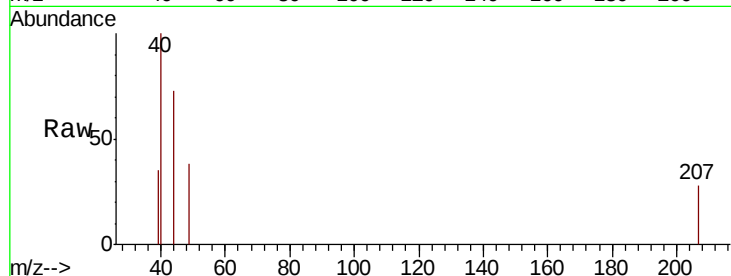
Tot Ion: 49 Resp: 28

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

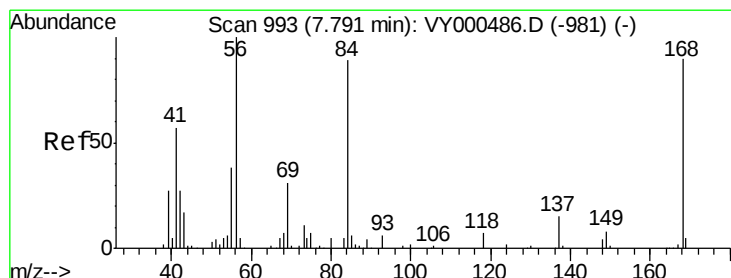
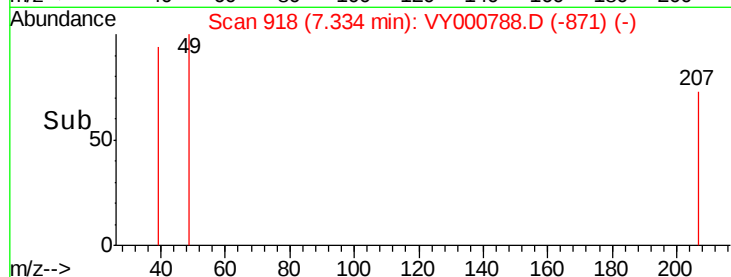
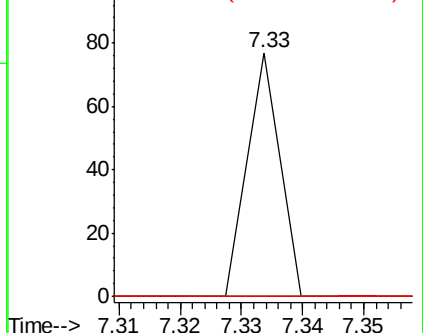
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.252 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

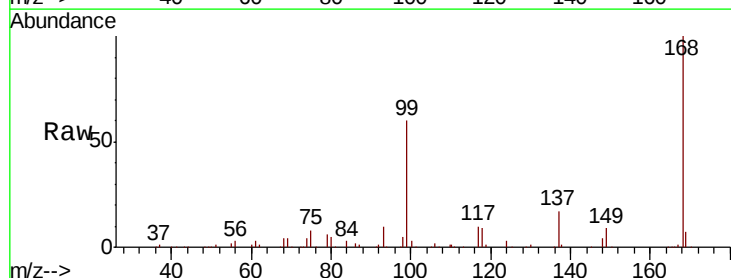
Tgt Ion: 56 Resp: 6703

Ion Ratio Lower Upper

56 100

69 142.2 25.0 37.6#

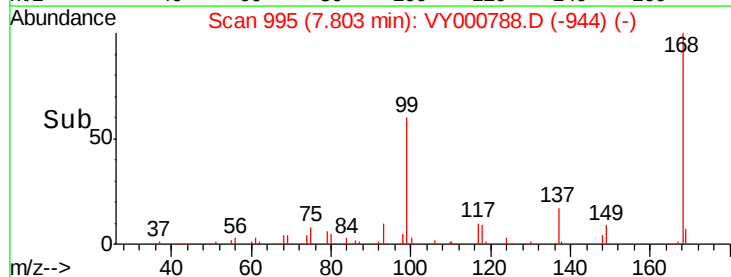
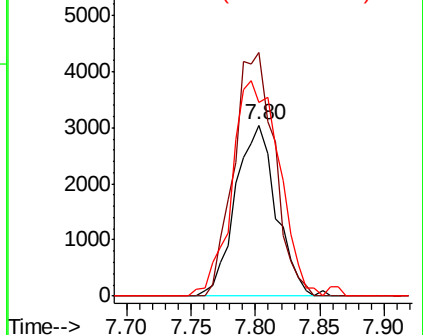
84 113.0 71.4 107.2#

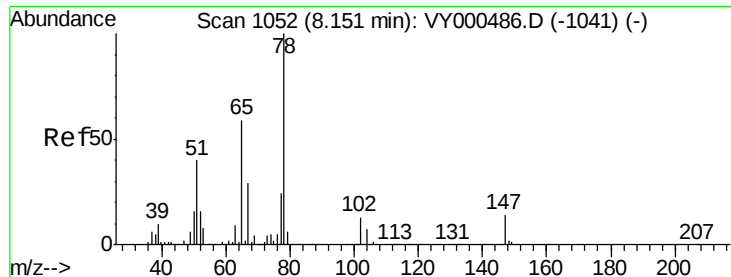


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 58.131 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

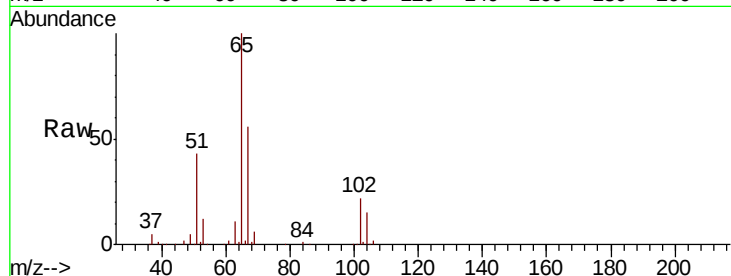
TP-28-D1

Tot Ion: 65 Resp: 160738

Ion Ratio Lower Upper

65 100

67 55.0 0.0 107.2

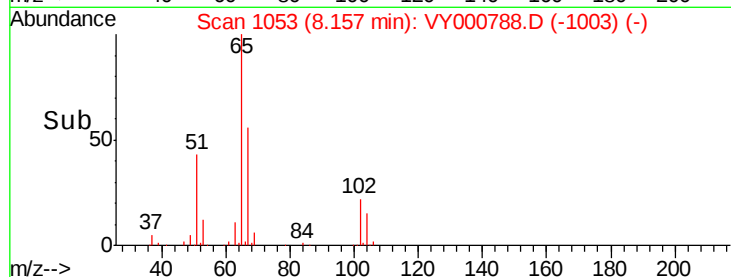


Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

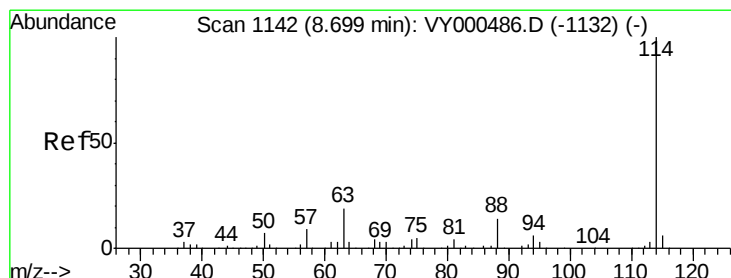
Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.16

8.20



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

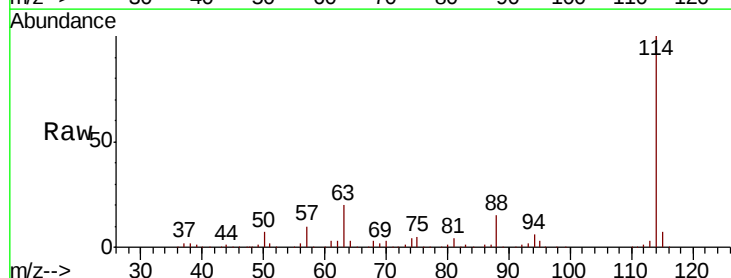
Tgt Ion: 114 Resp: 486885

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

88 15.1 0.0 28.6



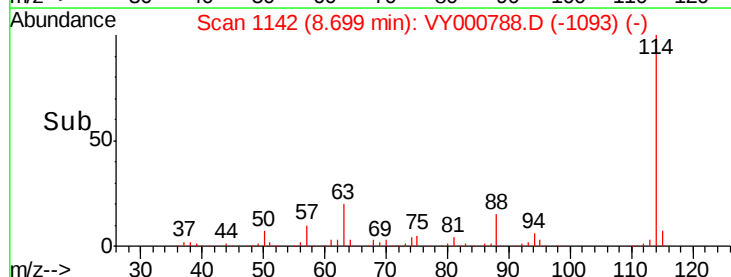
Abundance Ion 113.90 (113.60 to 114.60): VY000486.D (-1132) (-)

Ion 63.00 (62.70 to 63.70): VY000486.D (-1132) (-)

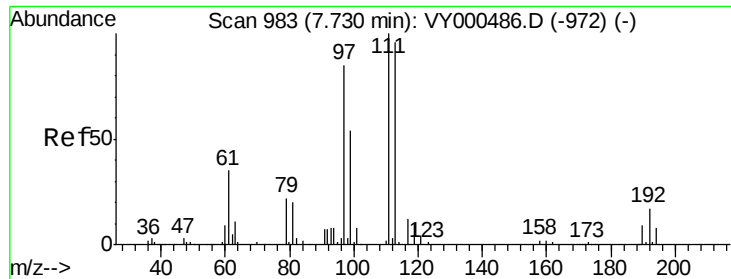
Ion 87.90 (87.60 to 88.60): VY000486.D (-1132) (-)

8.70

8.80



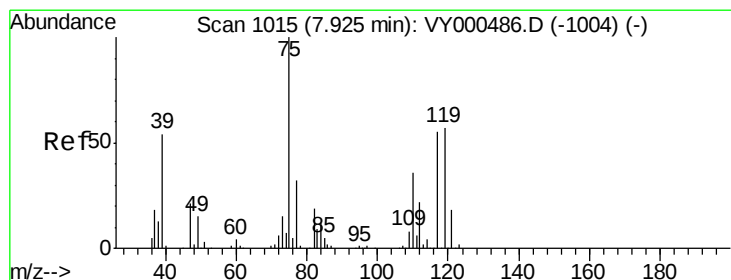
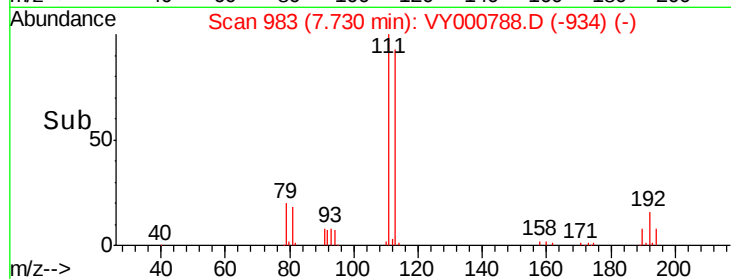
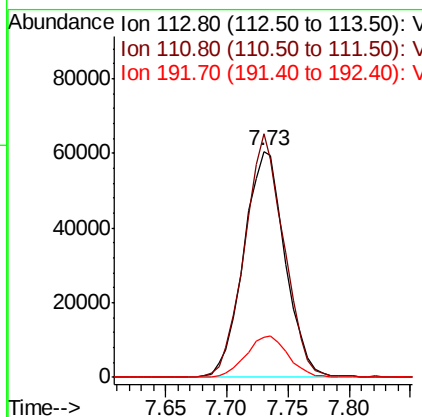
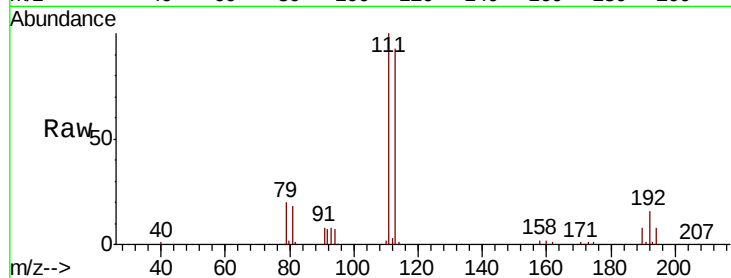
Time-->



#35
 Dibromofluoromethane
 Concen: 49.672 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000788.D
 Acq: 22 Nov 2019 13:12

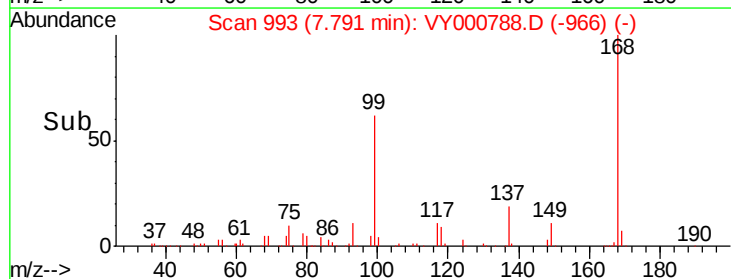
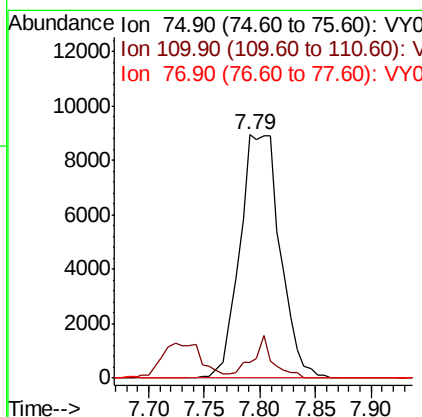
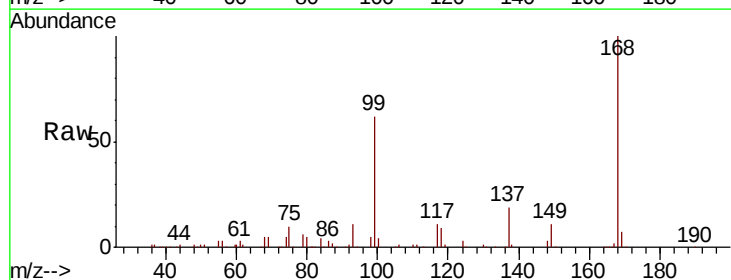
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-28-D1

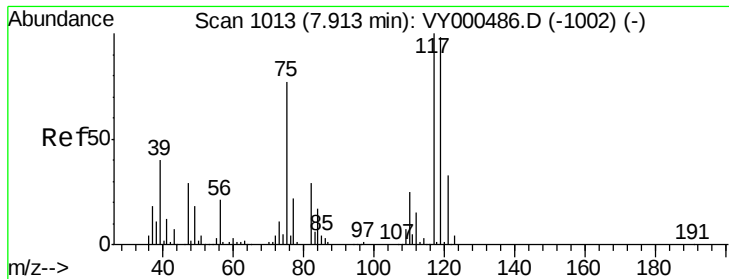
Tot Ion:113 Resp: 141980
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 18.5 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000788.D
 Acq: 22 Nov 2019 13:12

Tgt Ion: 75 Resp: 22636
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000788.D

Acq: 22 Nov 2019 13:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-28-D1

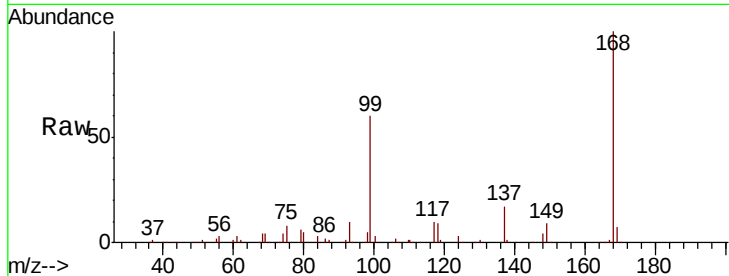
Tot Ion:117 Resp: 26751

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

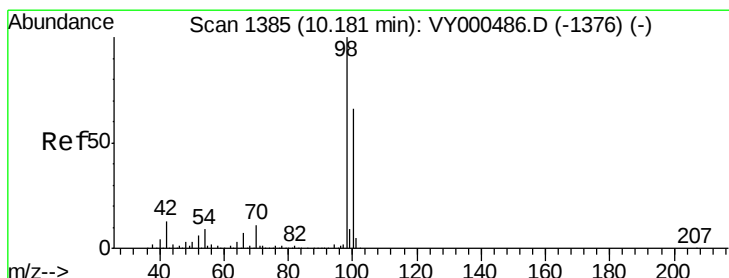
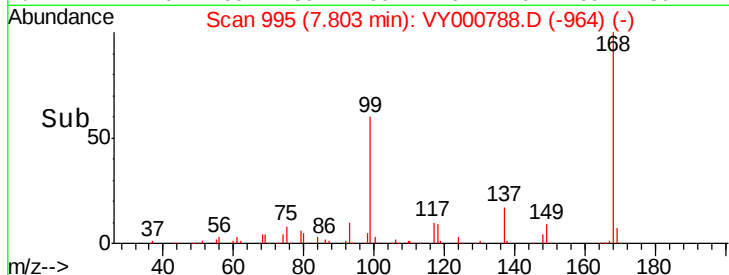
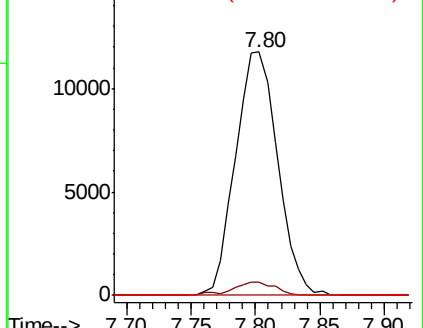
121 0.0 26.6 40.0#



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: 53.569 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000788.D

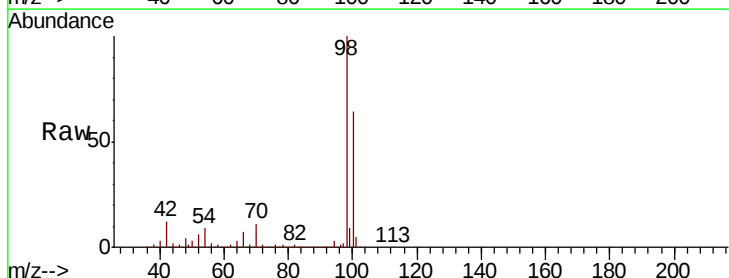
Acq: 22 Nov 2019 13:12

Tgt Ion: 98 Resp: 581001

Ion Ratio Lower Upper

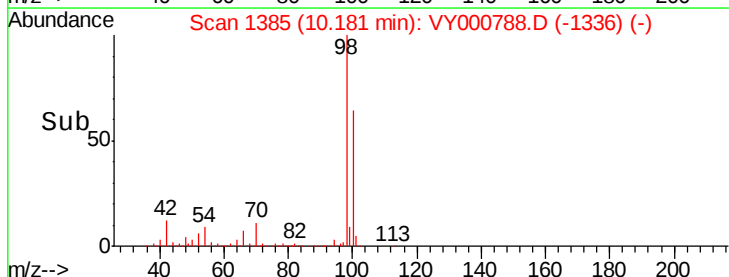
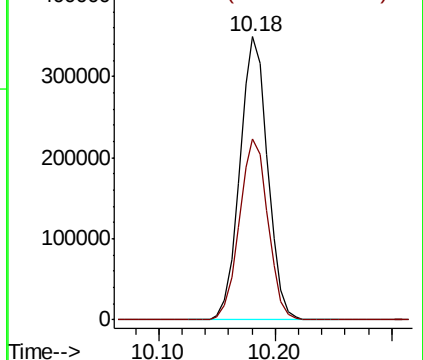
98 100

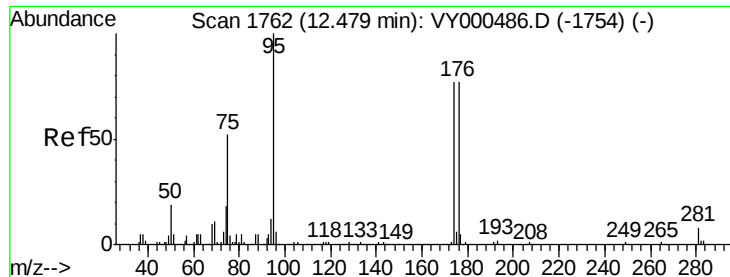
100 65.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

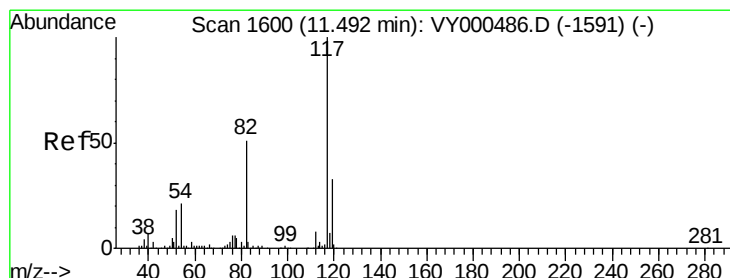
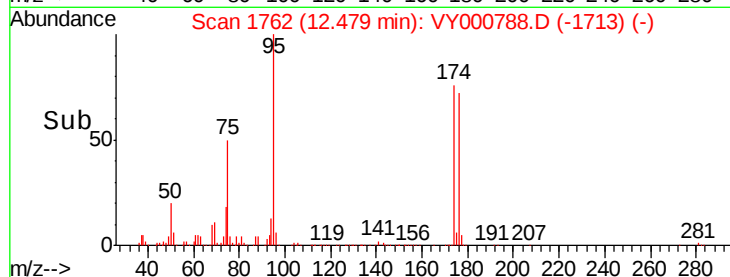
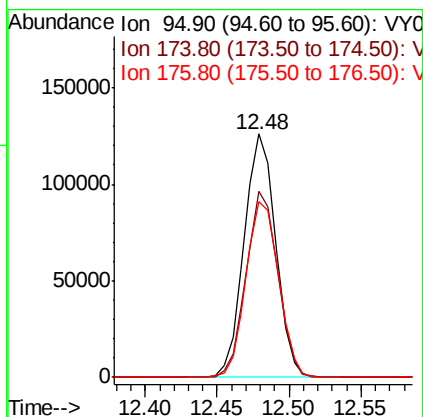
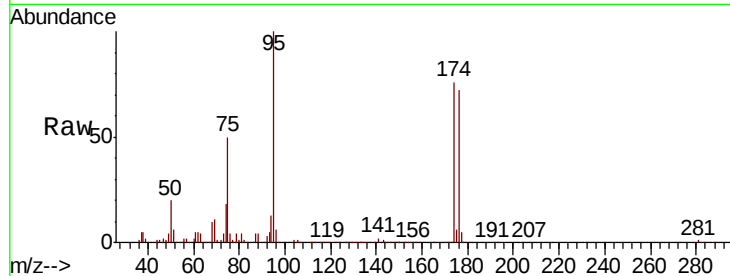




#62
4-Bromofluorobenzene
Concen: 46.138 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000788.D
Acq: 22 Nov 2019 13:12

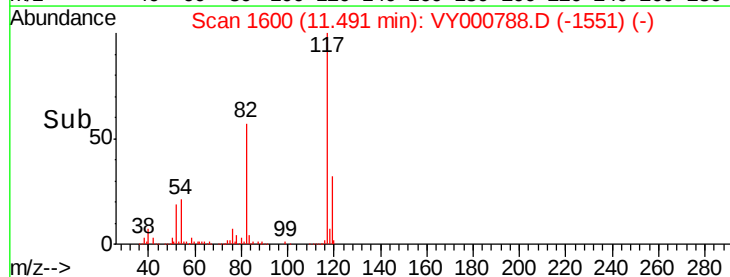
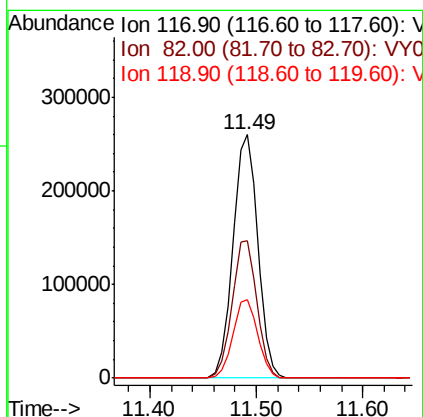
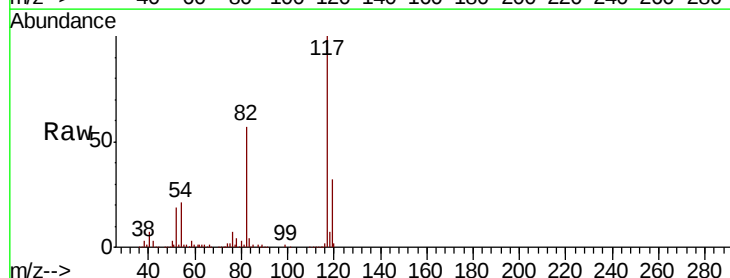
Instrument :
MSVOA_Y
ClientSampleId :
TP-28-D1

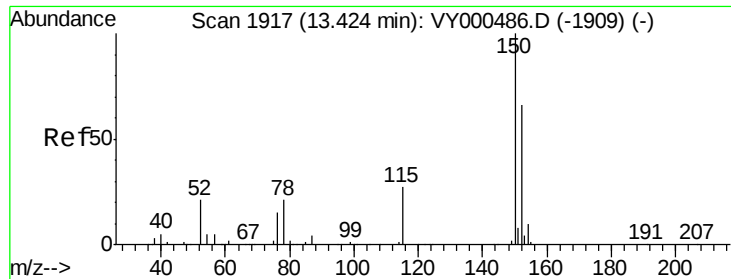
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	161.6
176	74.8	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000788.D
Acq: 22 Nov 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.8	61.2
119	32.2	26.2	39.2



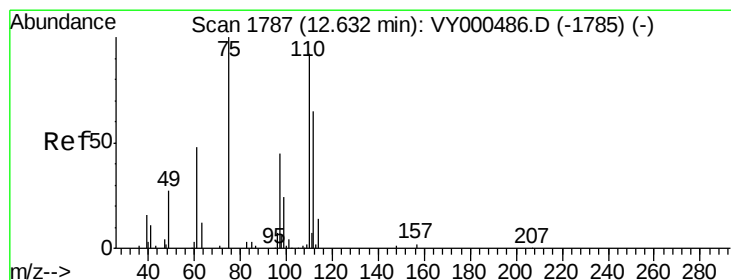
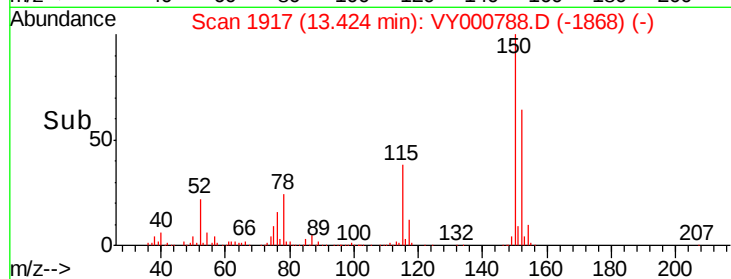
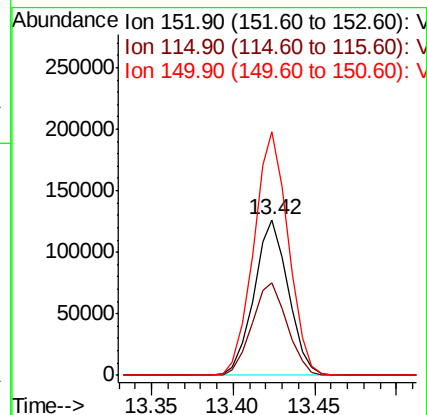
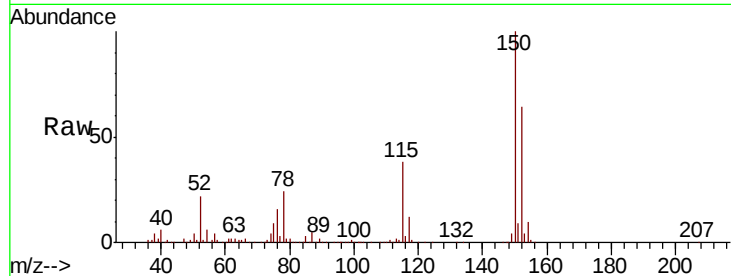


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000788.D
Acq: 22 Nov 2019 13:12

Instrument :
MSVOA_Y
ClientSampled :
TP-28-D1

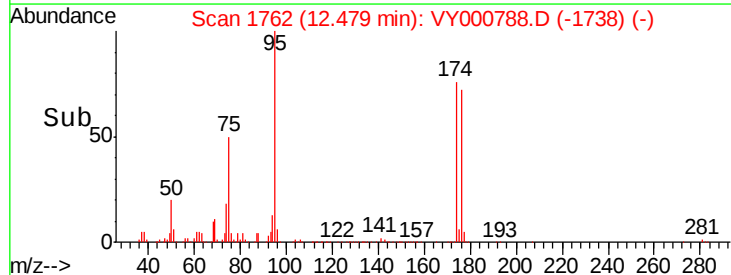
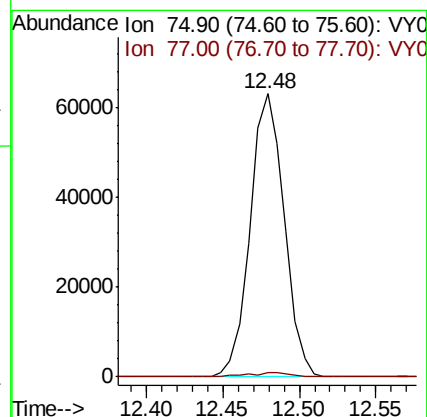
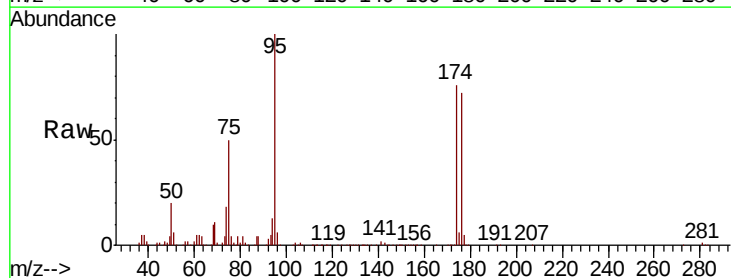
Tot Ion:152 Resp: 185062
Ion Ratio Lower Upper
152 100
115 61.4 29.1 87.4
150 157.5 0.0 348.8

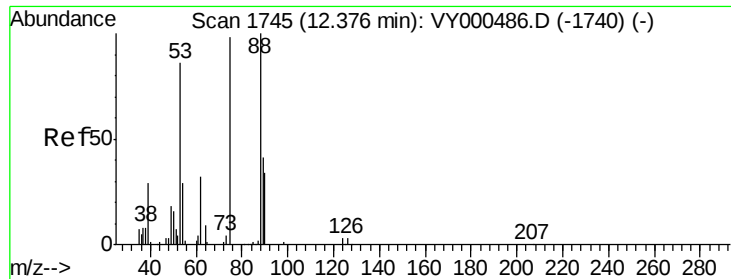


#76

1,2,3-Trichloropropane
Concen: 46.162 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000788.D
Acq: 22 Nov 2019 13:12

Tgt Ion: 75 Resp: 97271
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

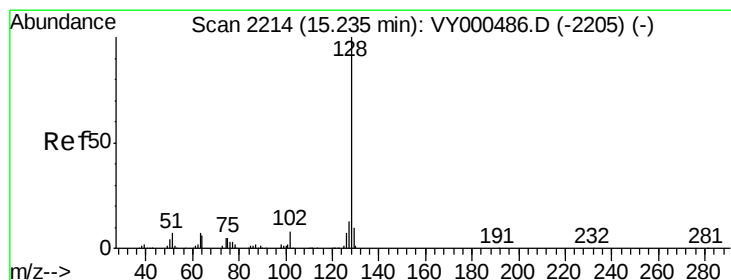
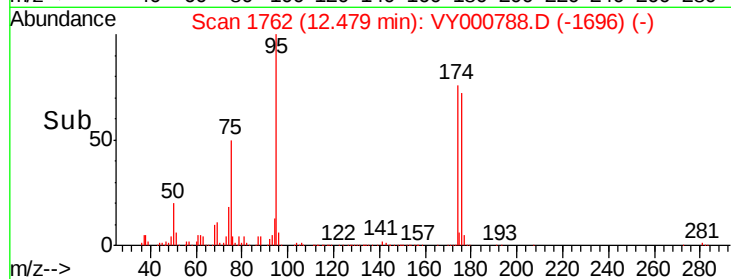
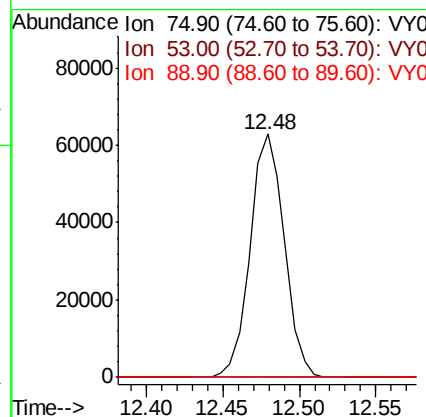
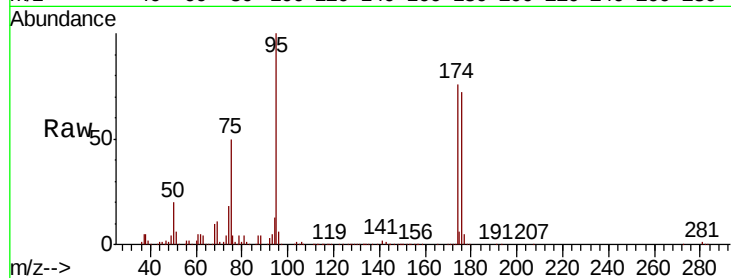




#81
trans-1,4-Dichloro-2-butene
Concen: 103.500 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000788.D
Acq: 22 Nov 2019 13:12

Instrument :
MSVOA_Y
ClientSampled :
TP-28-D1

Tot Ion: 75 Resp: 97271
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 35.9 53.9#



#95
Naphthalene
Concen: 1.420 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000788.D
Acq: 22 Nov 2019 13:12

Tgt Ion:128 Resp: 11829
Ion Ratio Lower Upper
128 100
127 15.6 9.8 14.6#
129 12.5 8.7 13.1

