

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000799.D
 Acq On : 26 Nov 2019 13:28
 Operator : SY/MD
 Sample : K6022-09
 Misc : 7.14G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:31:07 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	253317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	471305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	416110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	182070	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	155466	59.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.60%	
35) Dibromofluoromethane	7.73	113	139898	50.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.12%	
50) Toluene-d8	10.18	98	554905	52.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.48	95	185094	46.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.62%	

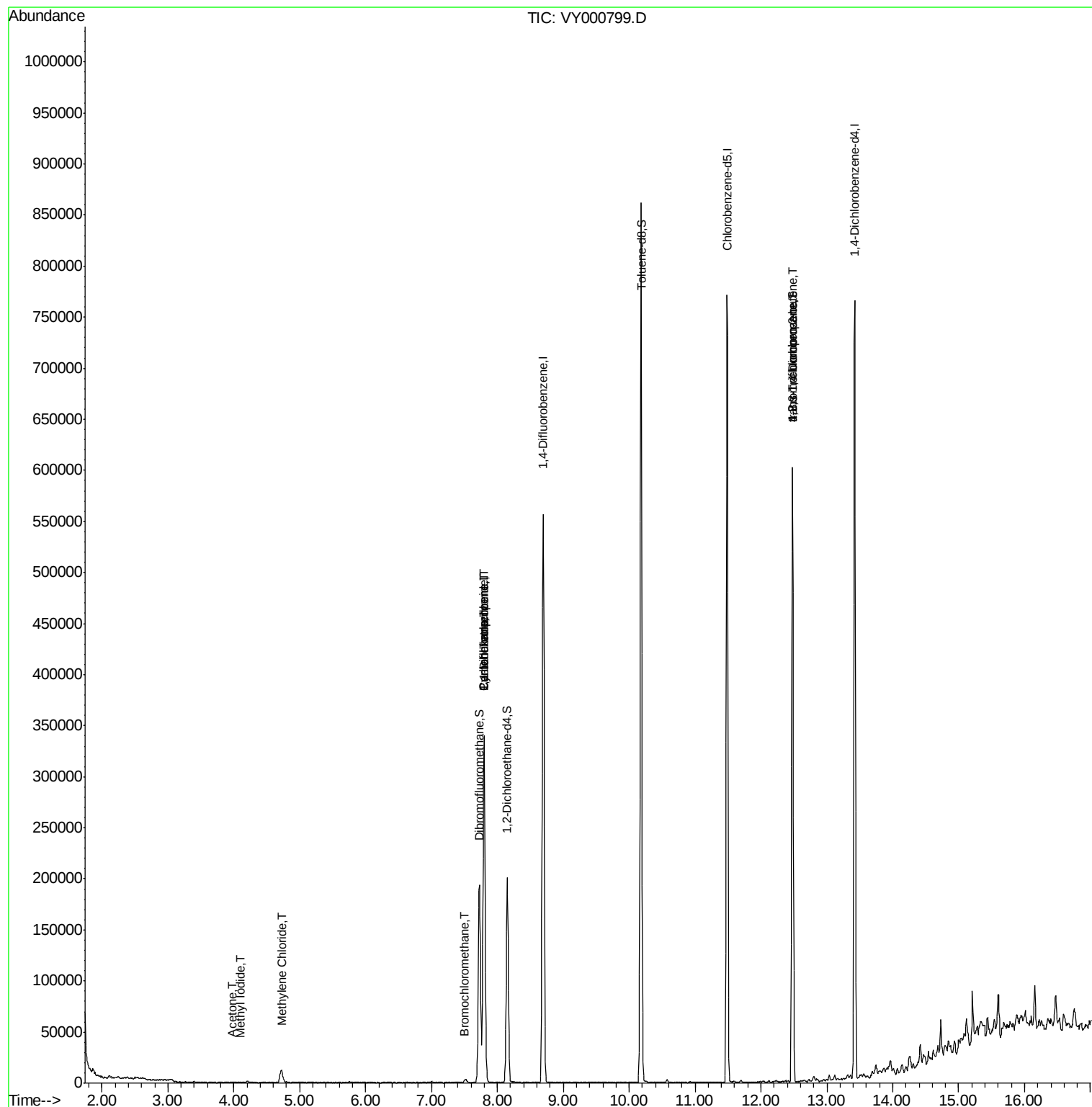
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	273	3.274	ug/l #	41
16) Acetone	3.97	43	958	1.326	ug/l	90
20) Methylene Chloride	4.72	84	8585	2.773	ug/l	88
28) Bromochloromethane	7.50	49	84	4.128	ug/l #	14
31) Cyclohexane	7.80	56	5580	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22202	4.983	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25358	5.915	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	96307	46.455	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96307	104.159	ug/l #	13

(#) = 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: VY000799.D

Acq: 26 Nov 2019 13:28

Instrument :

MSVOA_Y

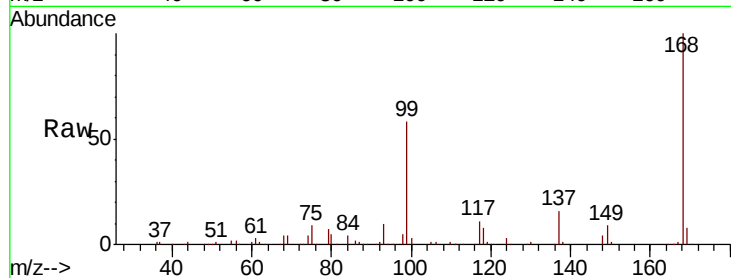
ClientSampleId :

Tot Ion:168 Resp: 253317

Ion Ratio Lower Upper

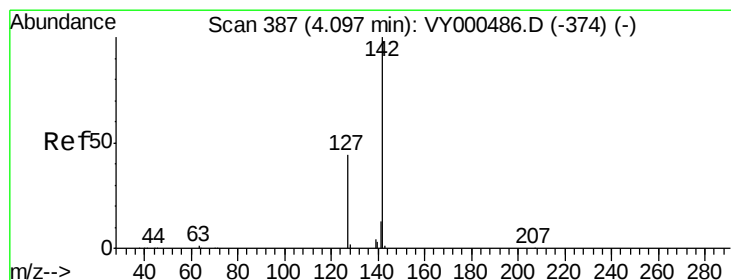
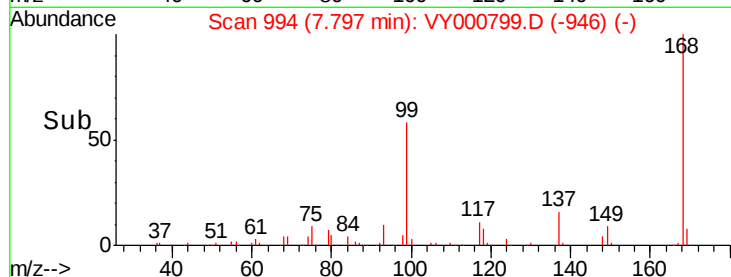
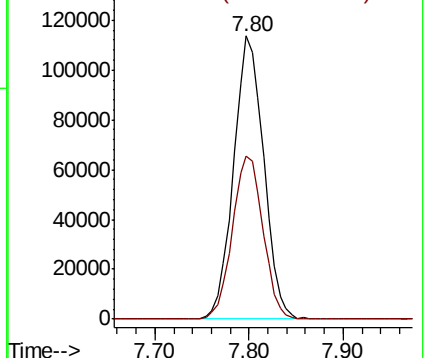
168 100

99 57.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.274 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000799.D

Acq: 26 Nov 2019 13:28

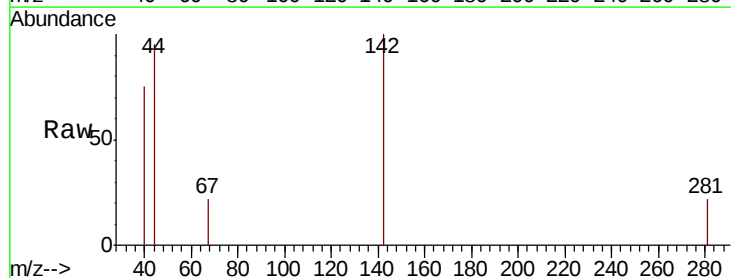
Tgt Ion:142 Resp: 273

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

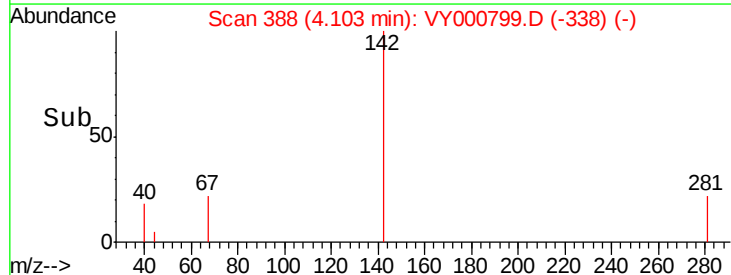
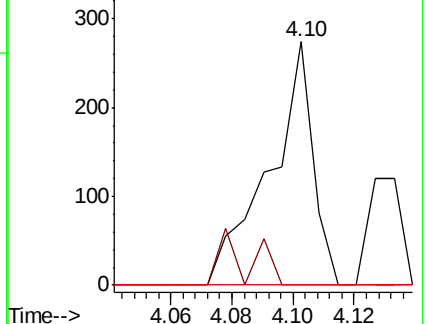
141 0.0 10.9 16.3#

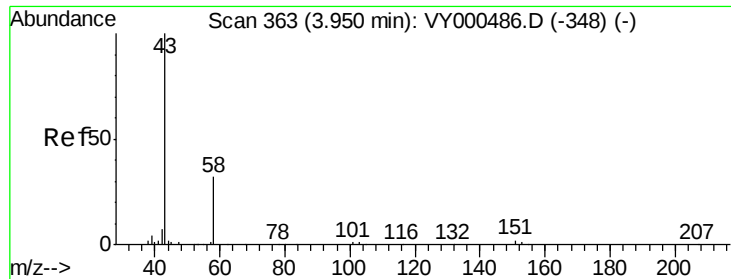


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 1.326 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000799.D

Acq: 26 Nov 2019 13:28

Instrument :

MSVOA_Y

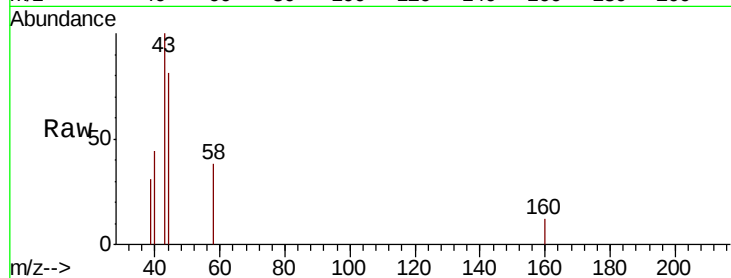
ClientSampled :

Tot Ion: 43 Resp: 958

Ion Ratio Lower Upper

43 100

58 37.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

400

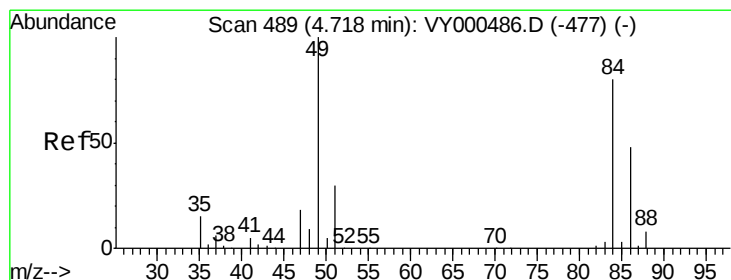
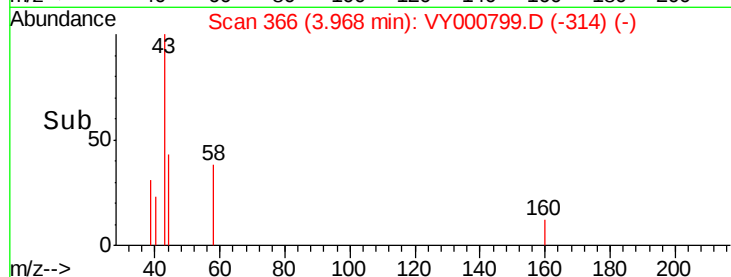
300

200

100

0

Time--> 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 2.773 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000799.D

Acq: 26 Nov 2019 13:28

Tgt Ion: 84 Resp: 8585

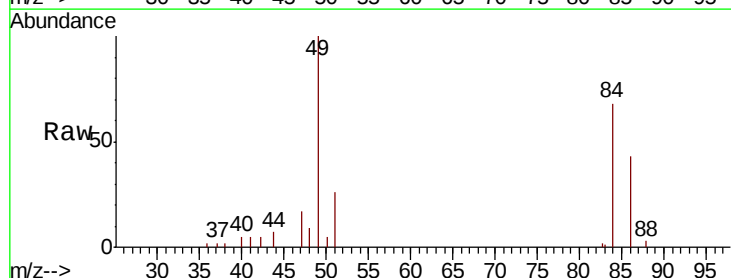
Ion Ratio Lower Upper

84 100

49 146.9 100.2 150.4

51 37.5 29.6 44.4

86 63.5 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

5000

4000

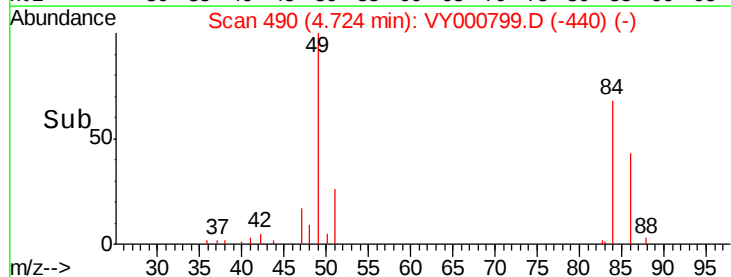
3000

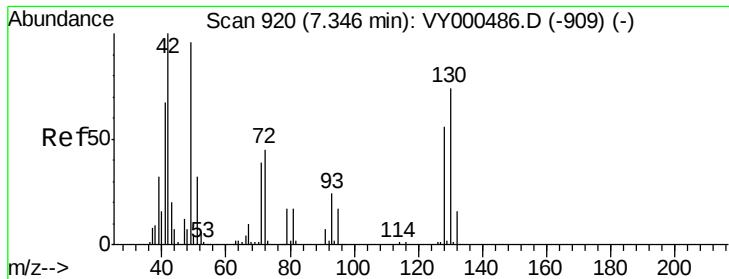
2000

1000

0

Time--> 4.60 4.65 4.70 4.75 4.80





#28

Bromochloromethane

Concen: 4.128 ug/l

RT: 7.50 min Scan# 945

Delta R.T. 0.15 min

Lab File: VY000799.D

Acq: 26 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :

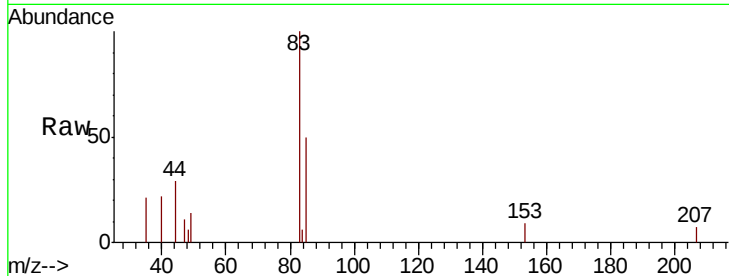
Tot Ion: 49 Resp: 84

Ion Ratio Lower Upper

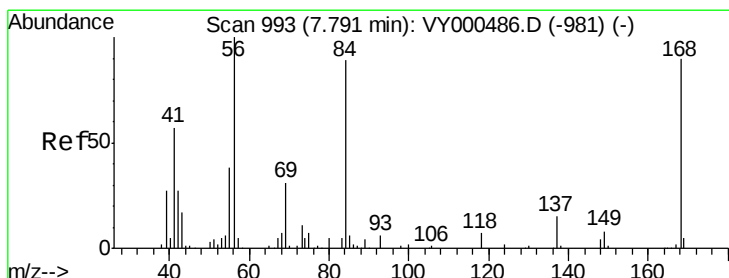
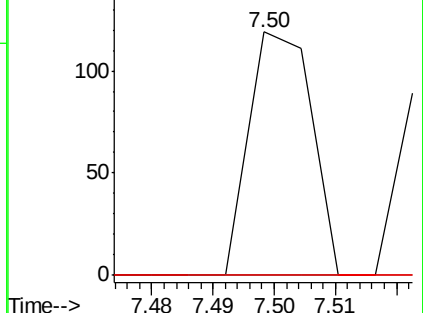
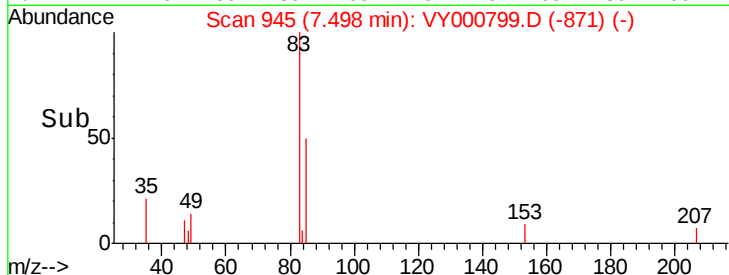
49 100

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: 1.100 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000799.D

Acq: 26 Nov 2019 13:28

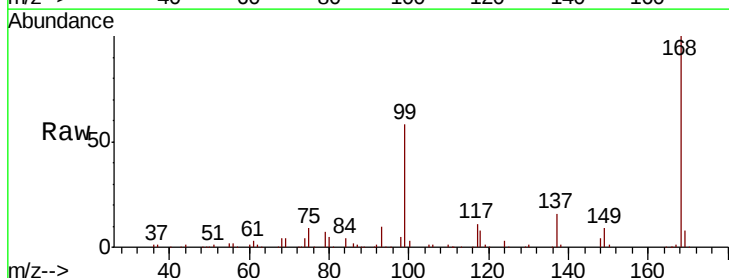
Tgt Ion: 56 Resp: 5580

Ion Ratio Lower Upper

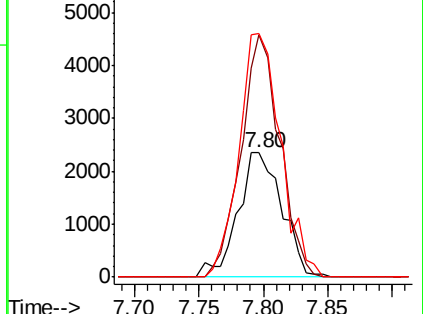
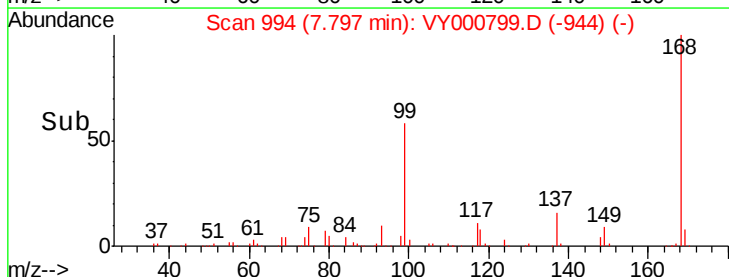
56 100

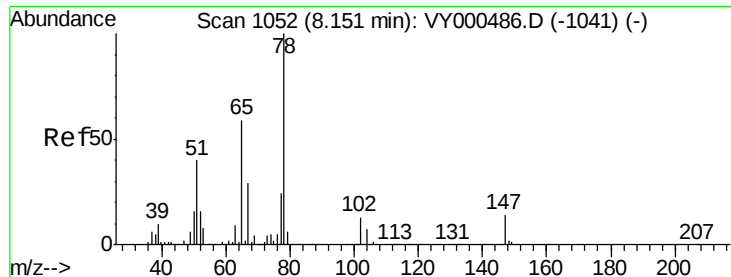
69 195.5 25.0 37.6#

84 195.9 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

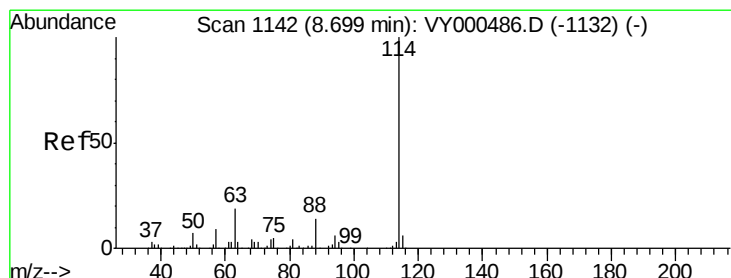
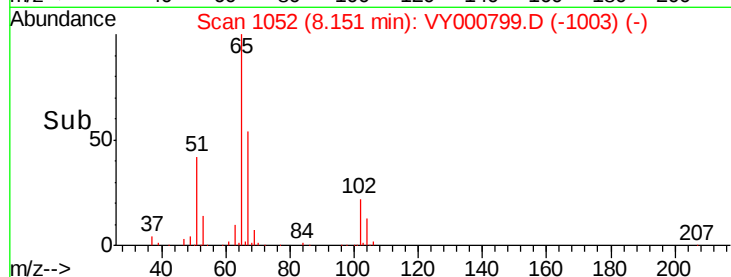
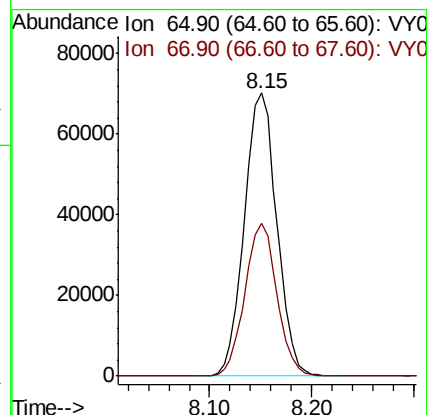
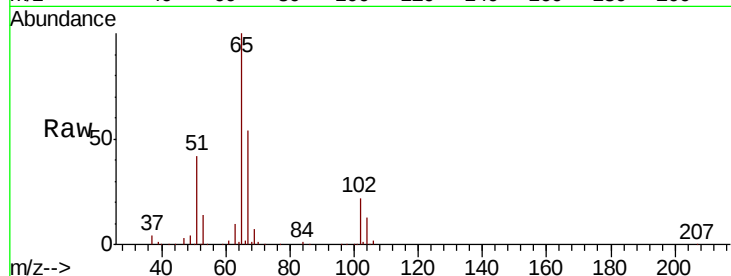




#33
 1,2-Dichloroethane-d4
 Concen: 59.304 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000799.D
 Acq: 26 Nov 2019 13:28

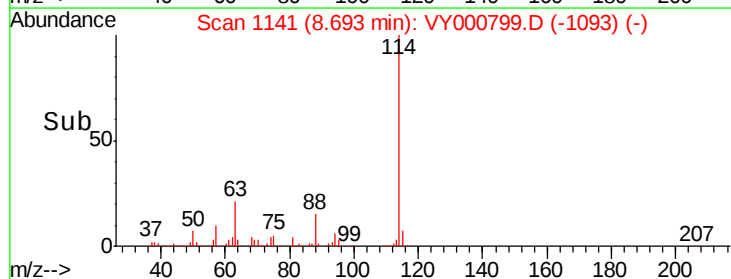
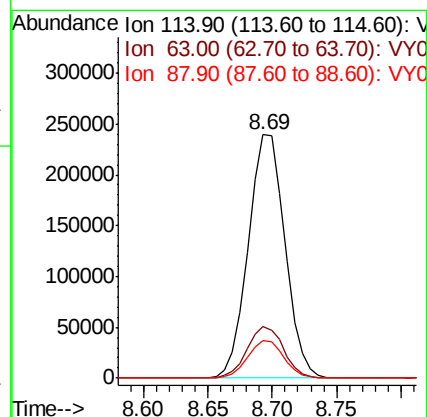
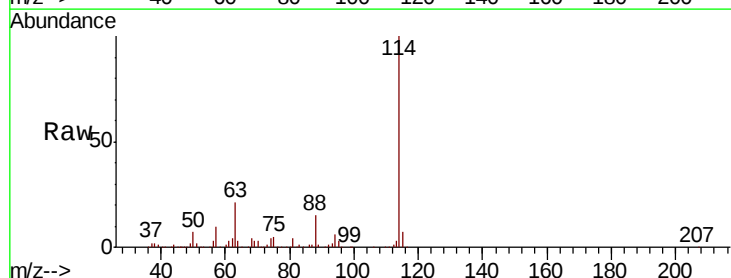
Instrument :
 MSVOA_Y
 ClientSampleId :

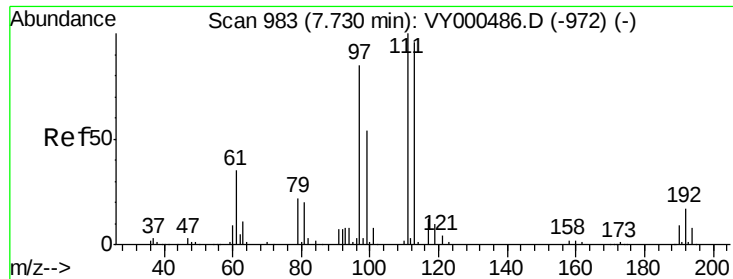
Tot Ion: 65 Resp: 155466
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000799.D
 Acq: 26 Nov 2019 13:28

Tgt Ion: 114 Resp: 471305
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 38.0
 88 15.4 0.0 28.6

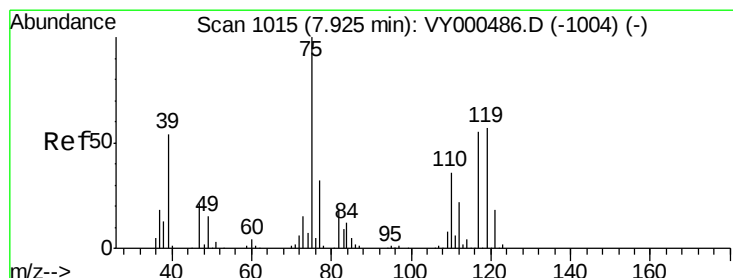
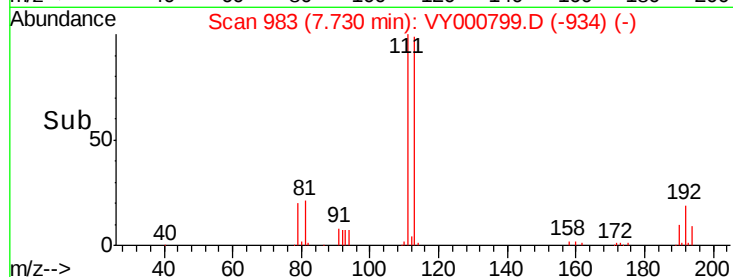
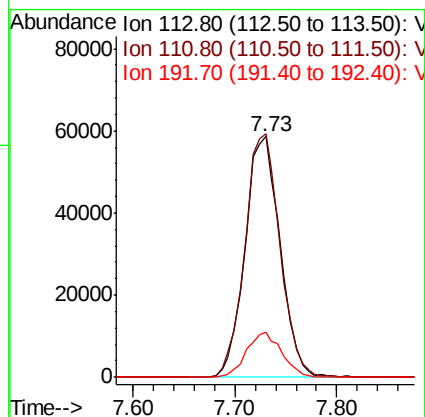
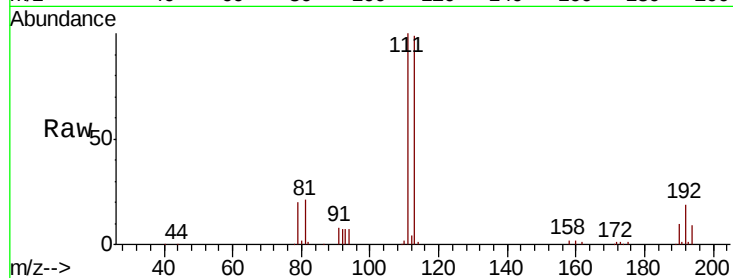




#35
 Dibromofluoromethane
 Concen: 50.562 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000799.D
 Acq: 26 Nov 2019 13:28

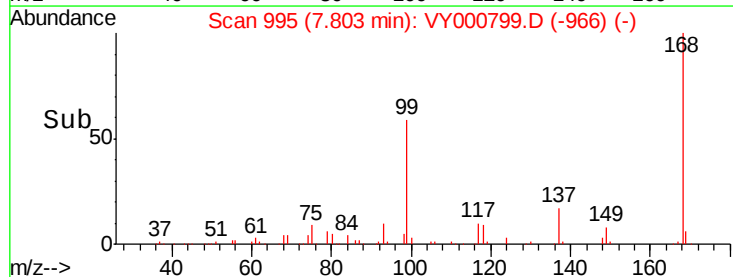
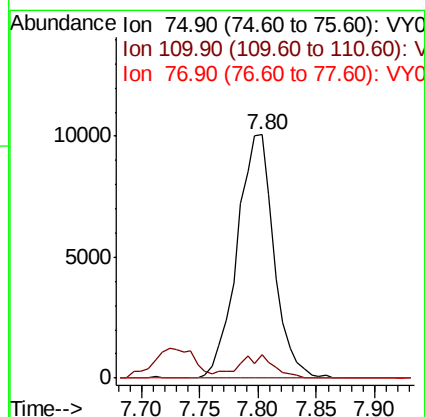
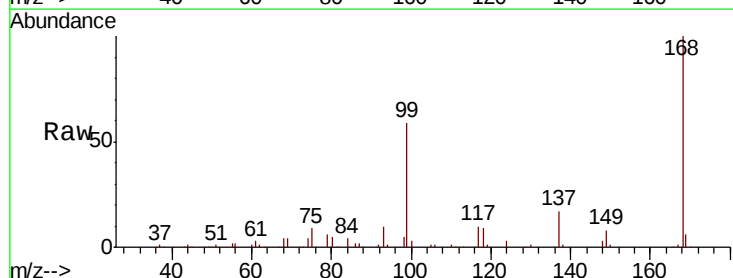
Instrument :
 MSVOA_Y
 ClientSampleId :

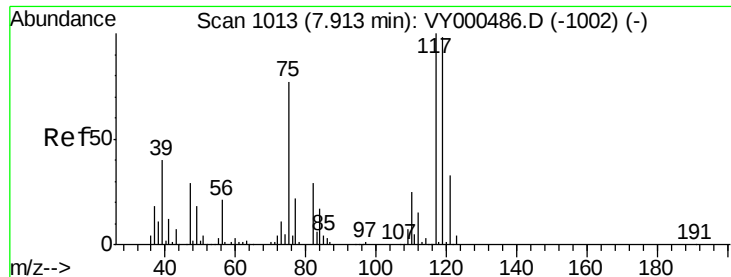
Tot Ion:113 Resp: 139898
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.7 122.5
 192 18.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000799.D
 Acq: 26 Nov 2019 13:28

Tgt Ion: 75 Resp: 22202
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.915 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000799.D

Acq: 26 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

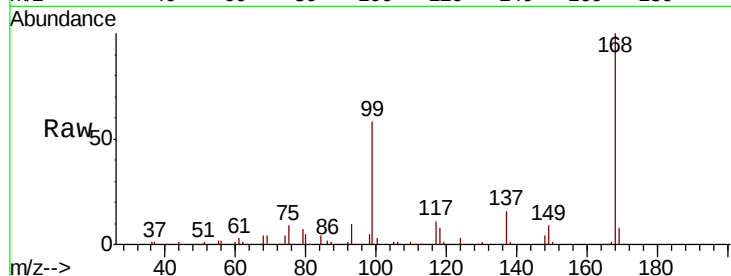
Tot Ion:117 Resp: 25358

Ion Ratio Lower Upper

117 100

119 6.2 78.0 117.0#

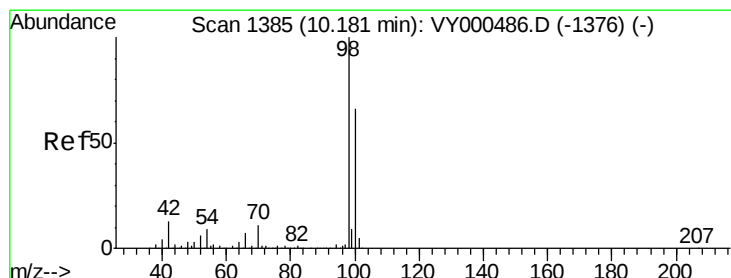
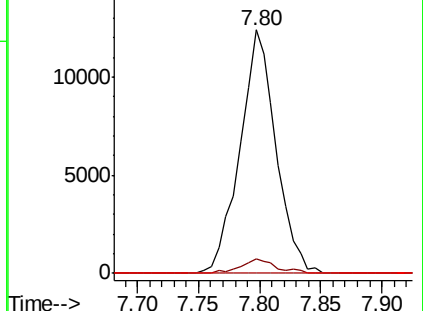
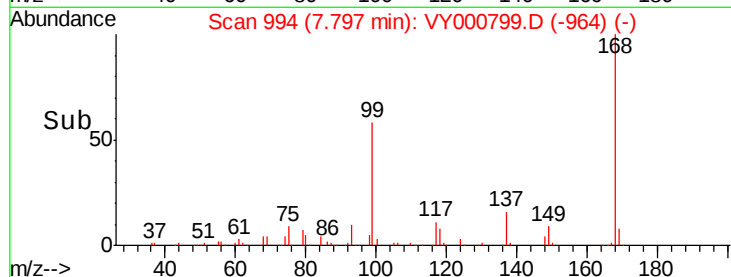
121 0.0 26.6 40.0#



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: 52.854 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000799.D

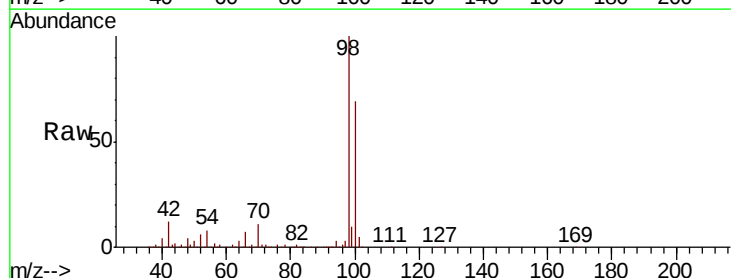
Acq: 26 Nov 2019 13:28

Tgt Ion: 98 Resp: 554905

Ion Ratio Lower Upper

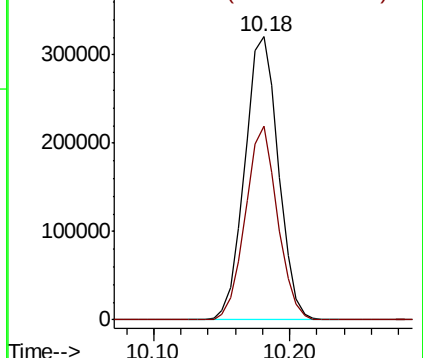
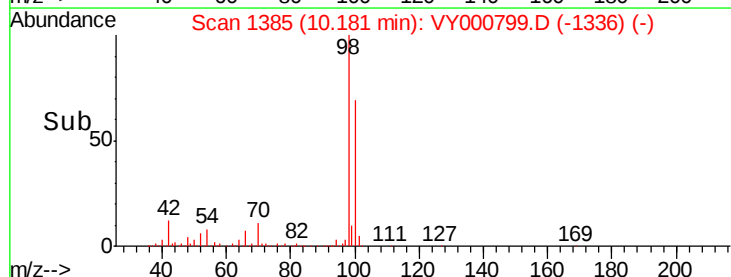
98 100

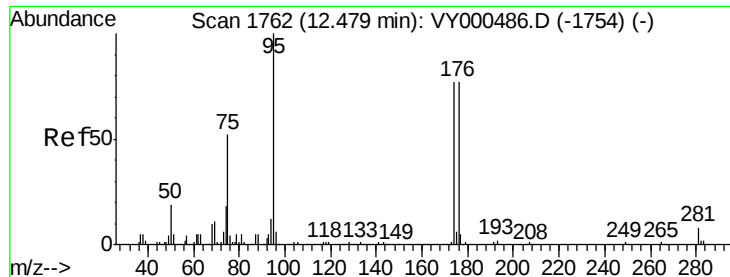
100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

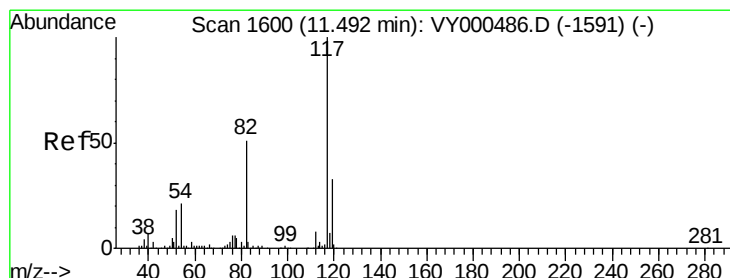
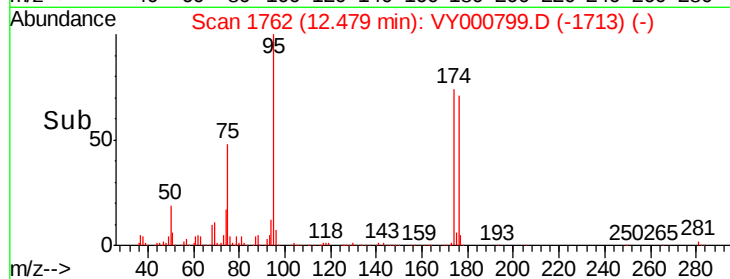
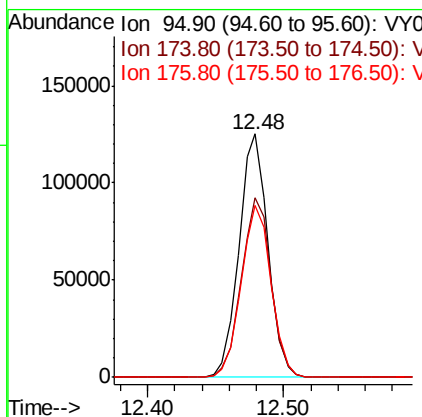
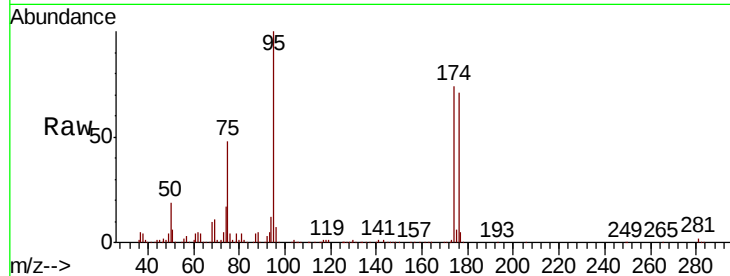




#62
4-Bromofluorobenzene
Concen: 46.310 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000799.D
Acq: 26 Nov 2019 13:28

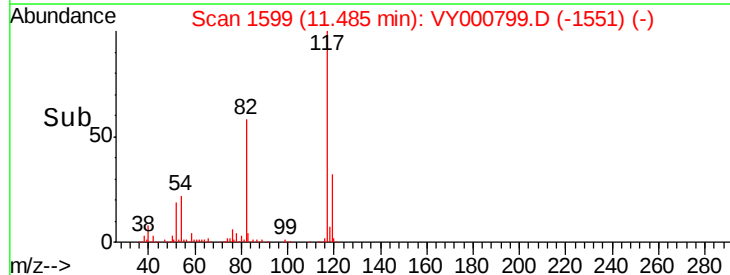
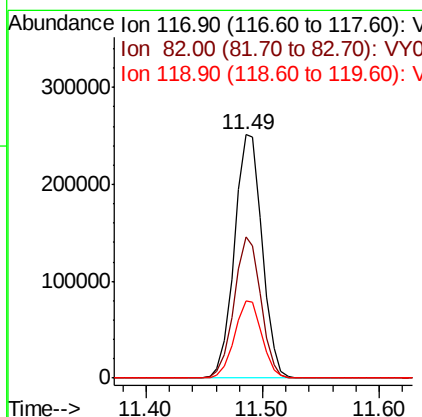
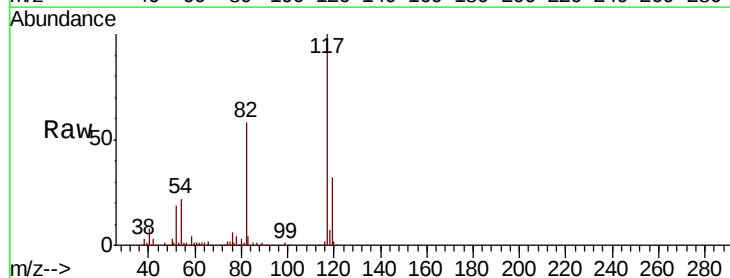
Instrument :
MSVOA_Y
ClientSampleId :

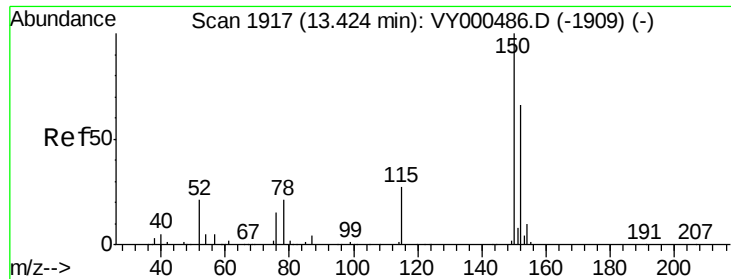
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	161.6
176	73.3	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000799.D
Acq: 26 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.9	40.8	61.2
119	31.9	26.2	39.2



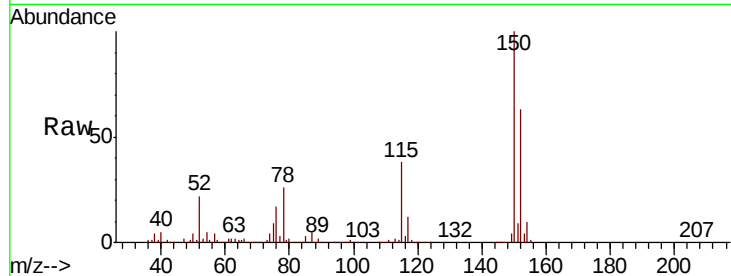


#72

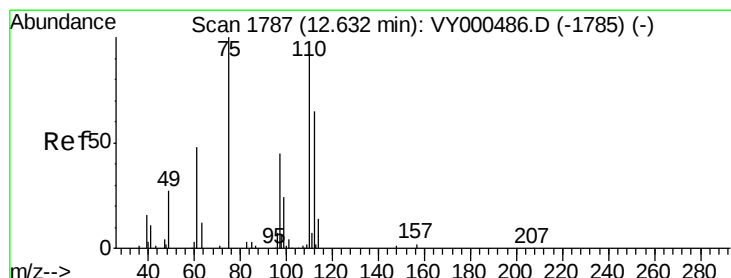
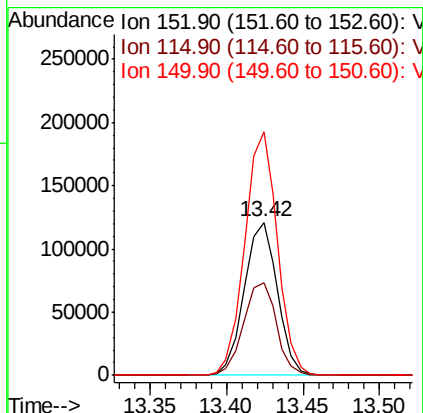
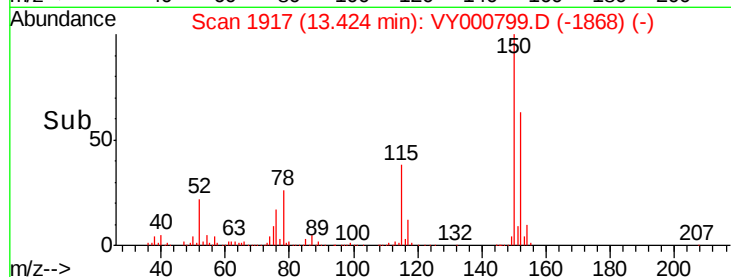
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000799.D
Acq: 26 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 182070
Ion Ratio Lower Upper
152 100
115 60.3 29.1 87.4
150 156.4 0.0 348.8



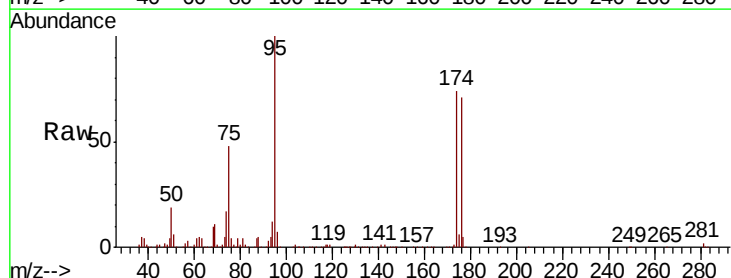
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



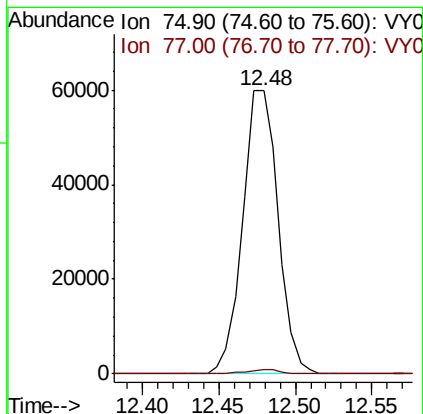
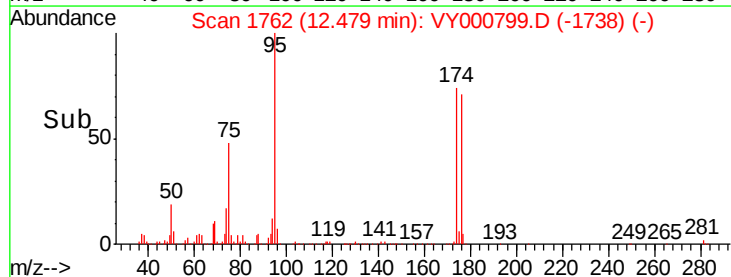
#76

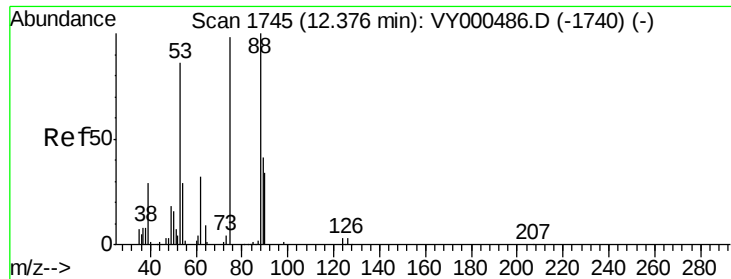
1,2,3-Trichloropropane
Concen: 46.455 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000799.D
Acq: 26 Nov 2019 13:28

Tgt Ion: 75 Resp: 96307
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: 104.159 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000799.D

Acq: 26 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 96307

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 35.9 53.9#

