

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000624.D
 Acq On : 08 Nov 2019 17:47
 Operator : SY/MD
 Sample : K5723-11
 Misc : 7.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 9-D

Quant Time: Nov 11 04:46:06 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	35049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	53211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	45004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	19131	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	18959	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	7.73	113	15751	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.19	98	61187	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.48	95	18378	40.73	ug/l	0.00
Spiked Amount			Recovery	=	81.46%	

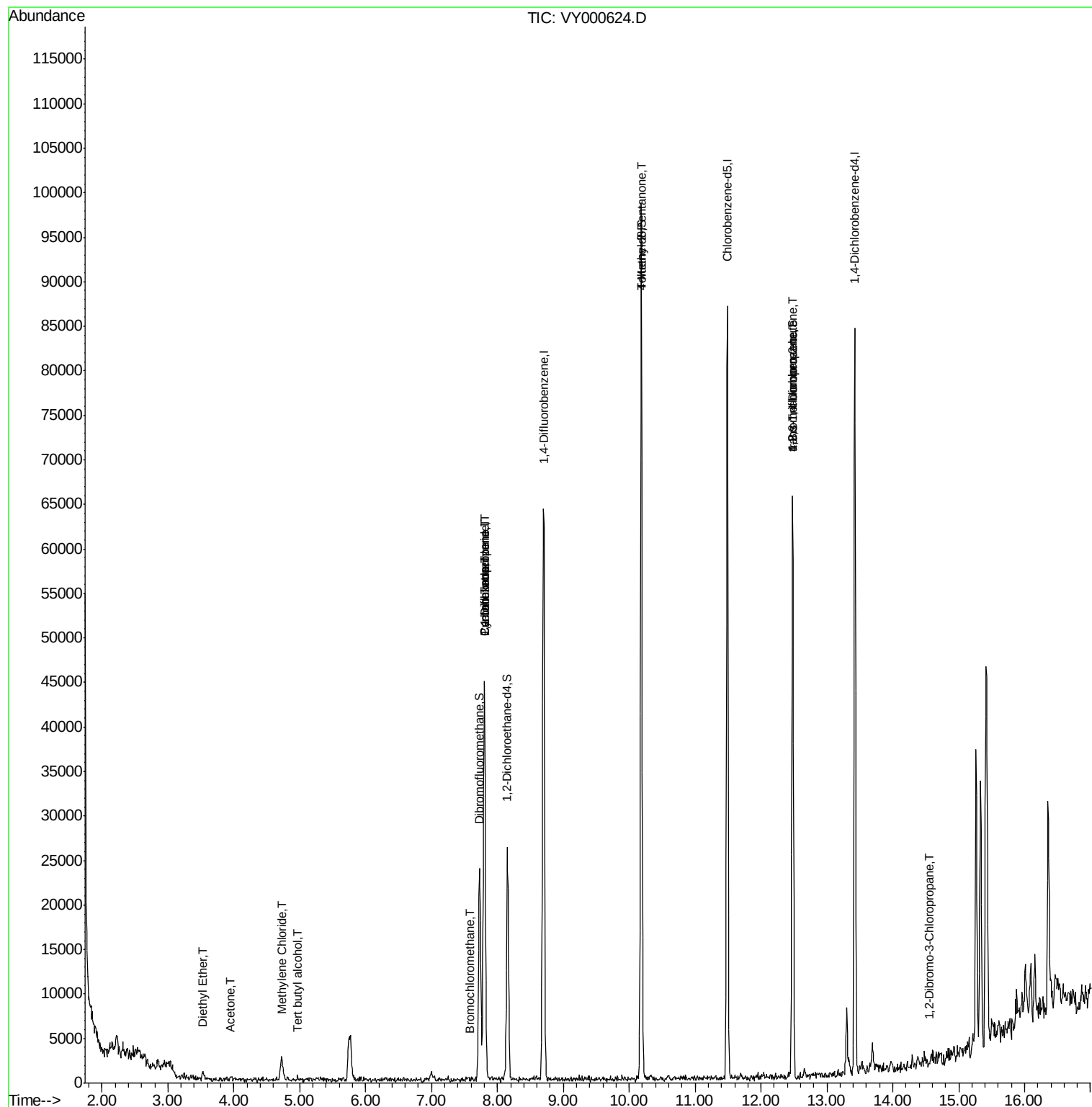
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	401	1.893	ug/l	75
11) Tert butyl alcohol	4.98	59	171	4.843	ug/l #	72
16) Acetone	3.95	43	247	2.471	ug/l #	83
20) Methylene Chloride	4.74	84	1667	3.892	ug/l #	80
28) Bromochloromethane	7.58	49	36	4.201	ug/l #	14
31) Cyclohexane	7.80	56	1042	1.484	ug/l #	59
36) 1,1-Dichloropropene	7.80	75	2598	5.165	ug/l #	47
38) Carbon Tetrachloride	7.80	117	3471	7.171	ug/l #	17
51) 4-Methyl-2-Pentanone	10.17	43	347	1.163	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	10941	50.227	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	10941	112.615	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.55	75	72	1.453	ug/l #	1

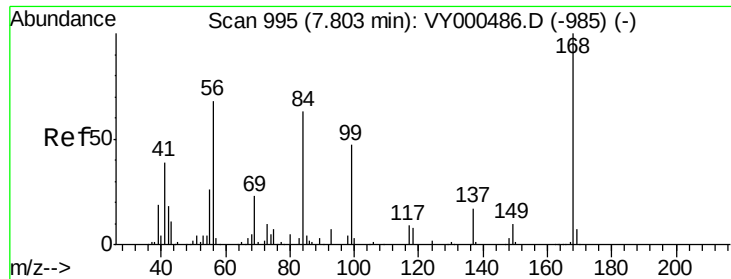
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000624.D

Acq: 08 Nov 2019 17:47

Instrument :

MSVOA_Y

ClientSampled :

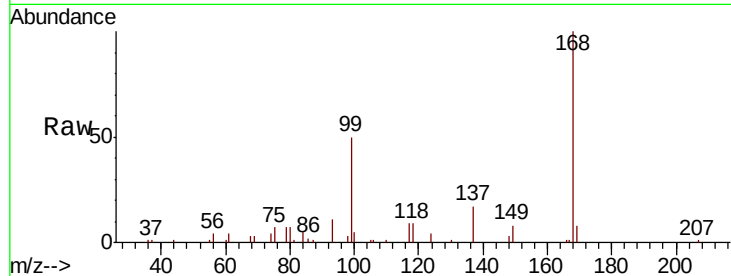
9-D

Tot Ion:168 Resp: 35049

Ion Ratio Lower Upper

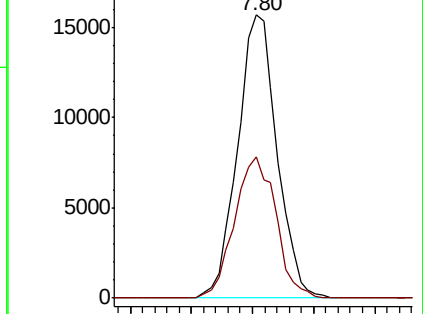
168 100

99 49.7 45.7 68.5

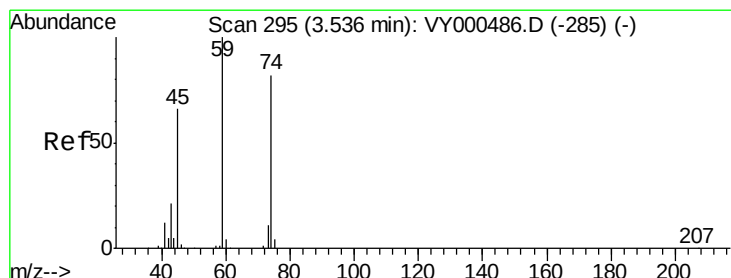
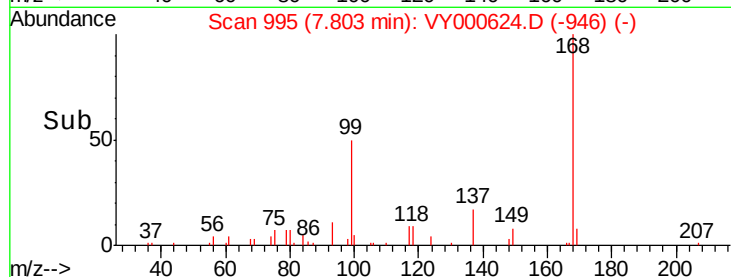


Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



Time-->



#8

Diethyl Ether

Concen: 1.893 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000624.D

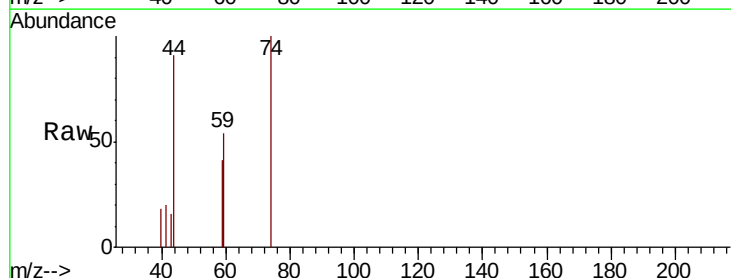
Acq: 08 Nov 2019 17:47

Tgt Ion: 74 Resp: 401

Ion Ratio Lower Upper

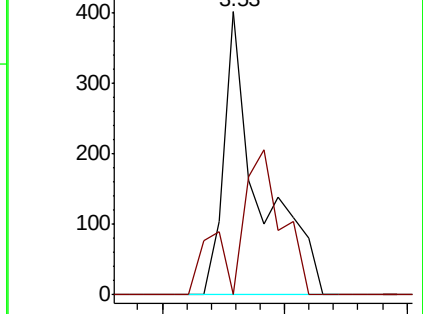
74 100

45 67.1 45.5 136.4

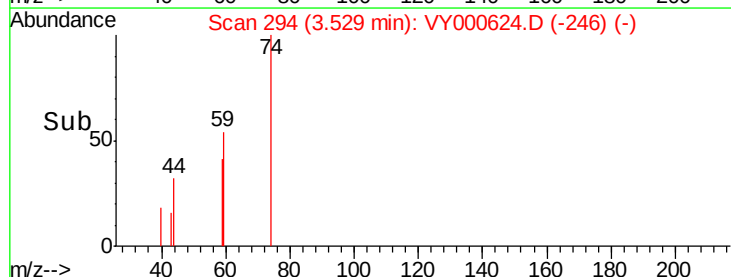


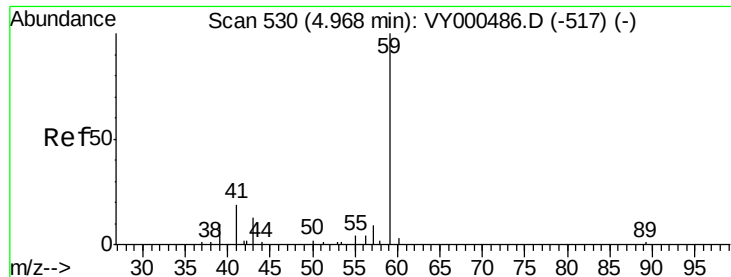
Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)



Time-->



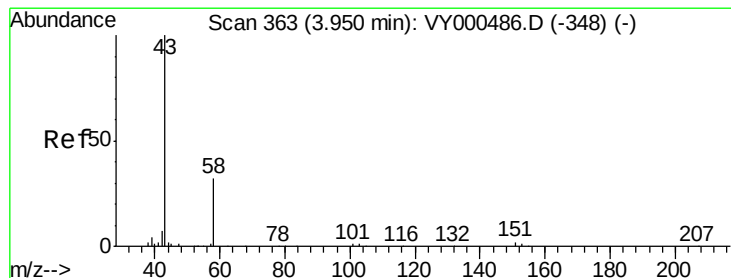
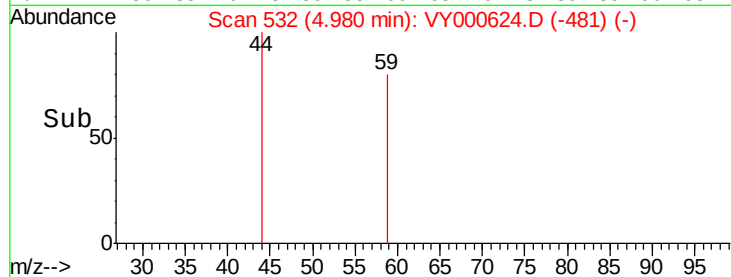
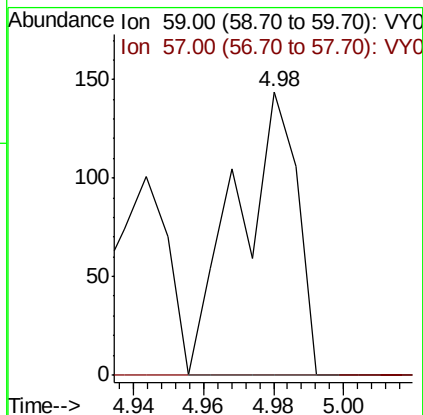
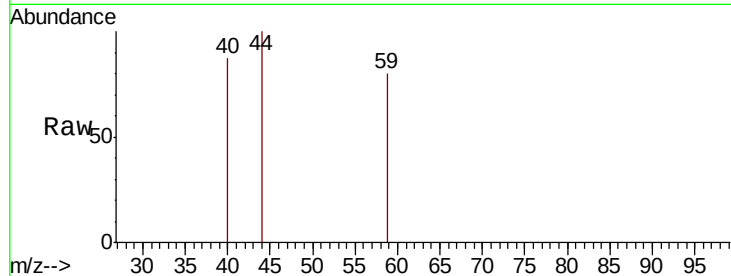


#11

Tert butyl alcohol
 Concen: 4.843 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY000624.D
 Acq: 08 Nov 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampled :
 9-D

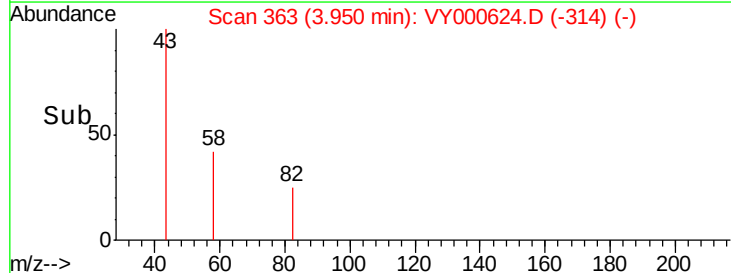
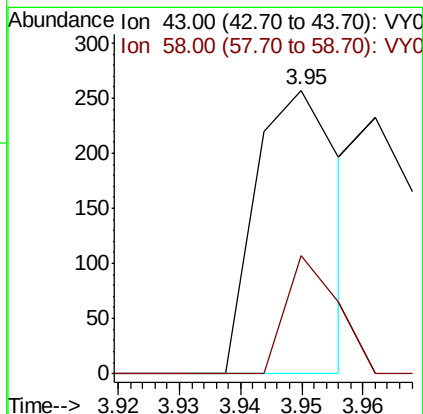
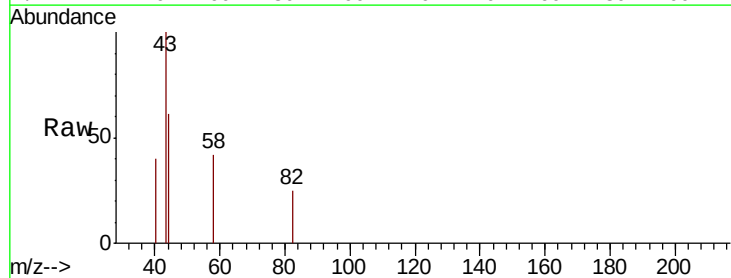
Tot Ion: 59 Resp: 171
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

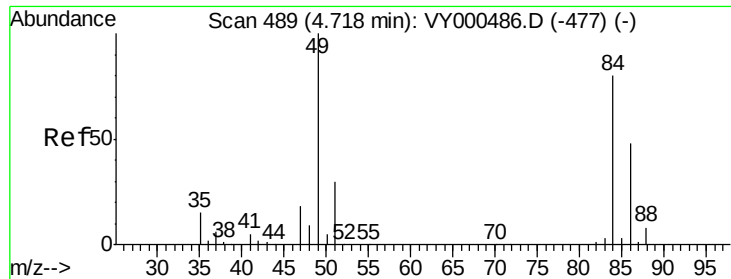


#16

Acetone
 Concen: 2.471 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY000624.D
 Acq: 08 Nov 2019 17:47

Tgt Ion: 43 Resp: 247
 Ion Ratio Lower Upper
 43 100
 58 41.6 25.8 38.6#





#20

Methylene Chloride

Concen: 3.892 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.02 min

Lab File: VY000624.D

Acq: 08 Nov 2019 17:47

Instrument :

MSVOA_Y

ClientSampled :

9-D

Tot Ion: 84 Resp: 1667

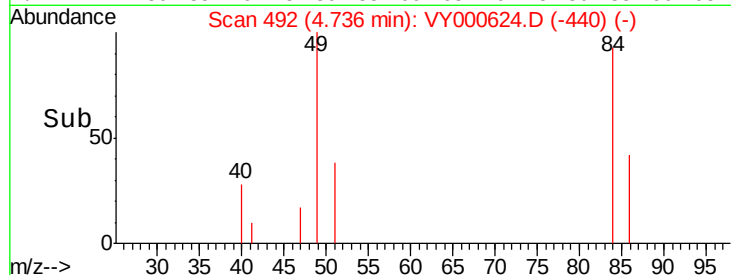
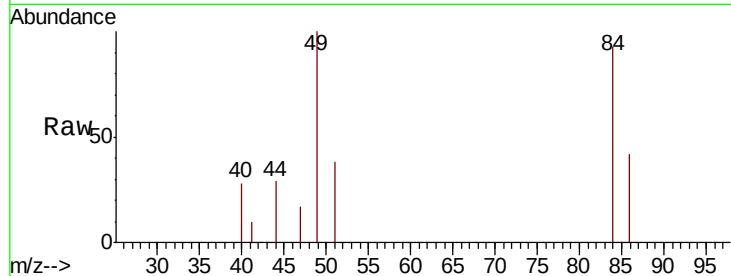
Ion Ratio Lower Upper

84 100

49 98.1 100.2 150.4#

51 41.0 29.6 44.4

86 45.4 48.3 72.5#

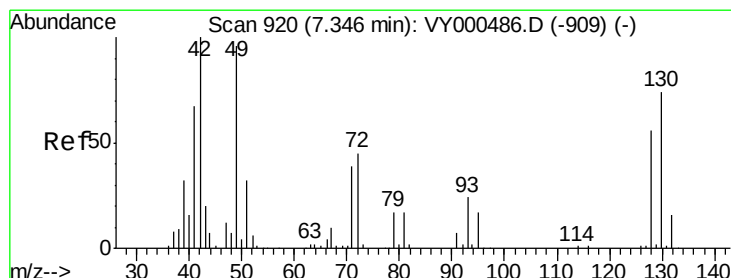
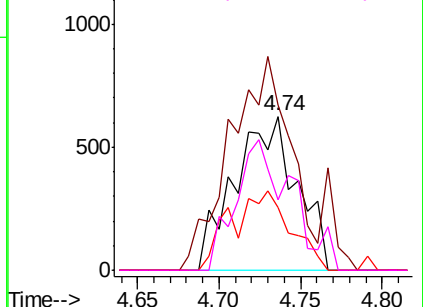


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#28

Bromochloromethane

Concen: 4.201 ug/l

RT: 7.58 min Scan# 959

Delta R.T. 0.24 min

Lab File: VY000624.D

Acq: 08 Nov 2019 17:47

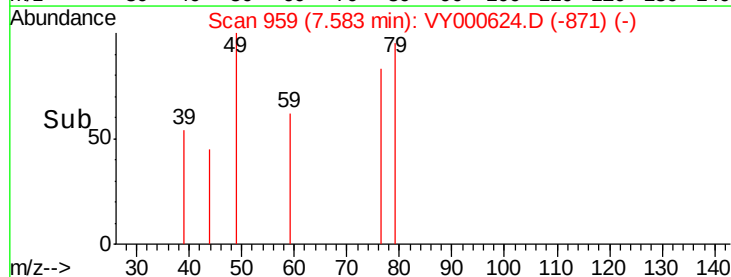
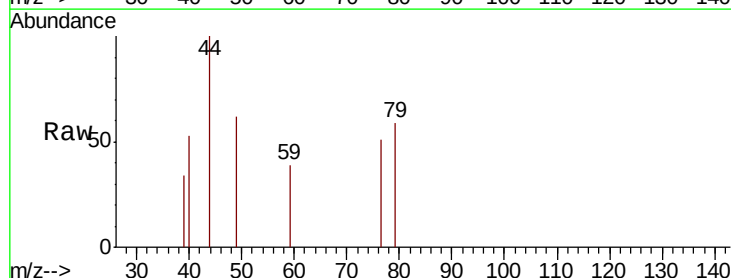
Tgt Ion: 49 Resp: 36

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

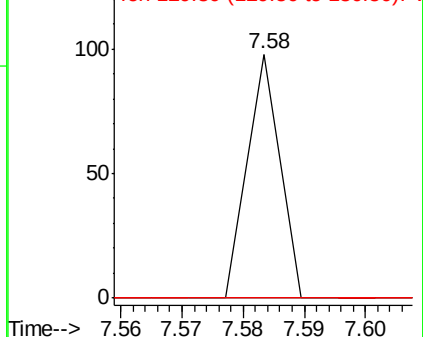
130 0.0 59.4 89.0#

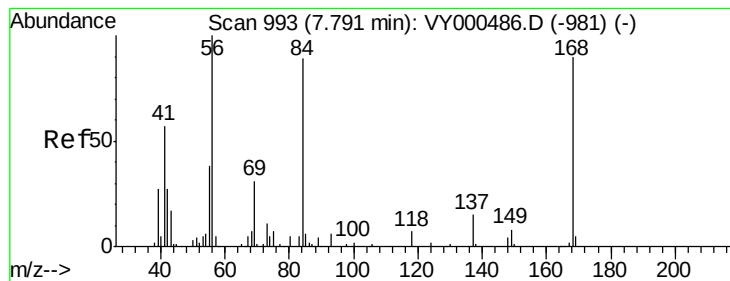


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.484 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000624.D

Acq: 08 Nov 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

9-D

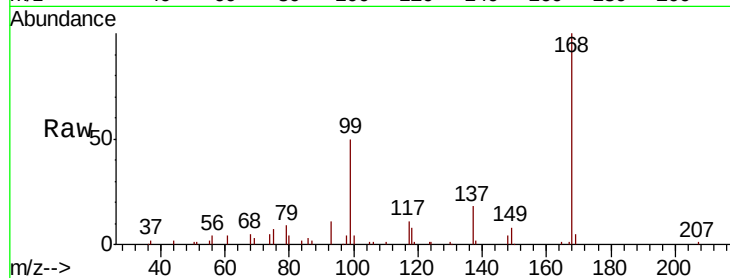
Tot Ion: 56 Resp: 1042

Ion Ratio Lower Upper

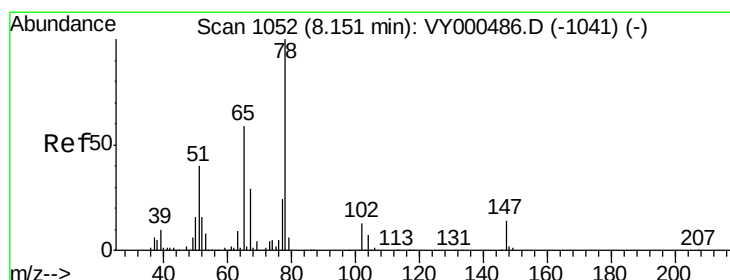
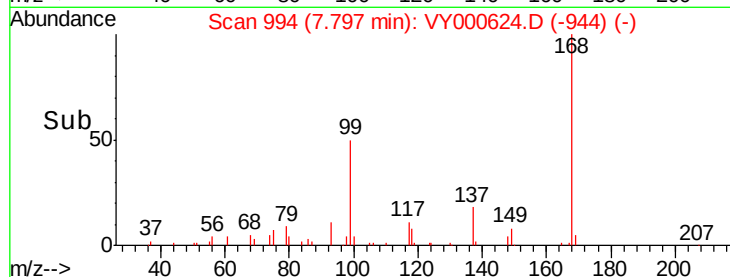
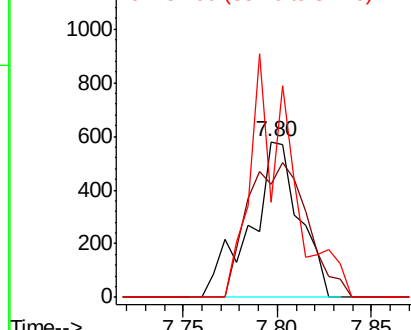
56 100

69 72.5 25.0 37.6#

84 61.3 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: 52.270 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000624.D

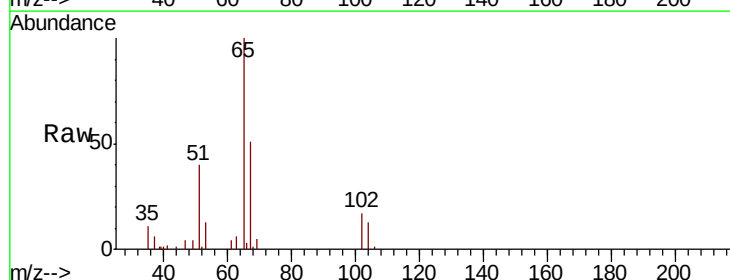
Acq: 08 Nov 2019 17:47

Tgt Ion: 65 Resp: 18959

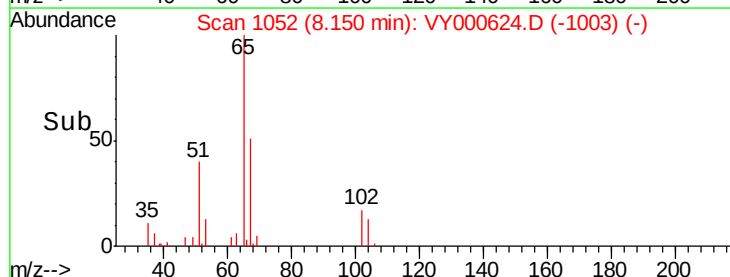
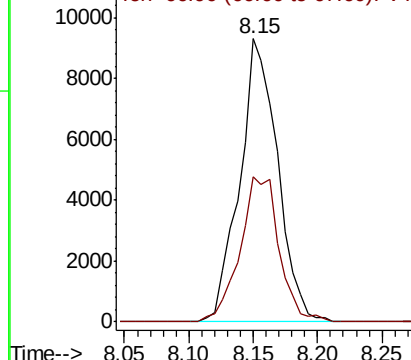
Ion Ratio Lower Upper

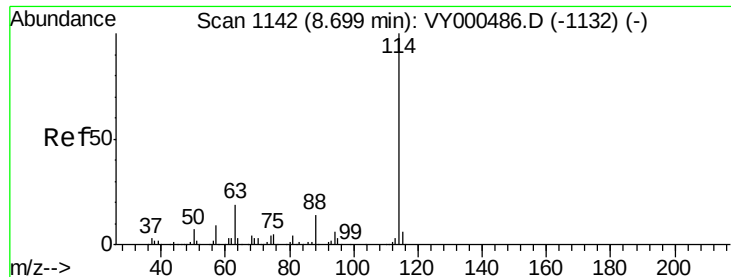
65 100

67 52.7 0.0 107.2



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: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY000624.D

Acq: 08 Nov 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

9-D

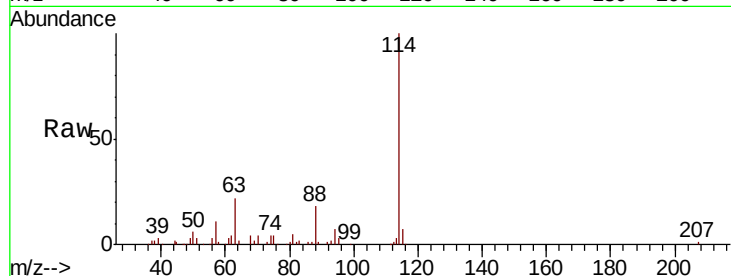
Tot Ion:114 Resp: 53211

Ion Ratio Lower Upper

114 100

63 22.1 0.0 38.0

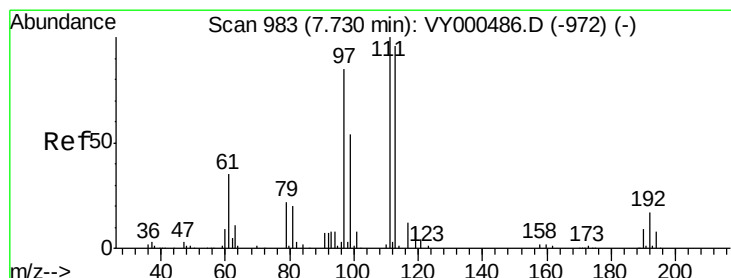
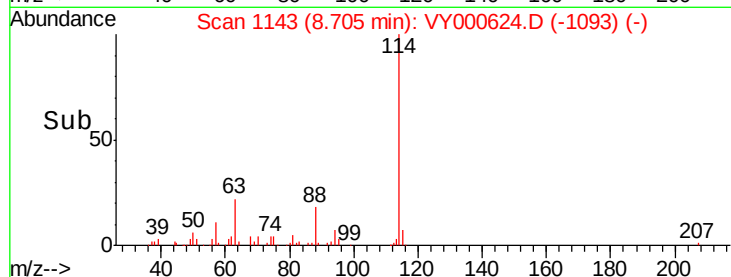
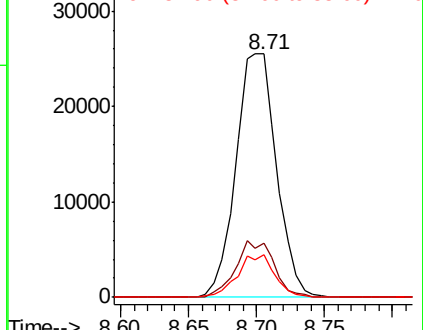
88 17.6 0.0 28.6



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: 50.422 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000624.D

Acq: 08 Nov 2019 17:47

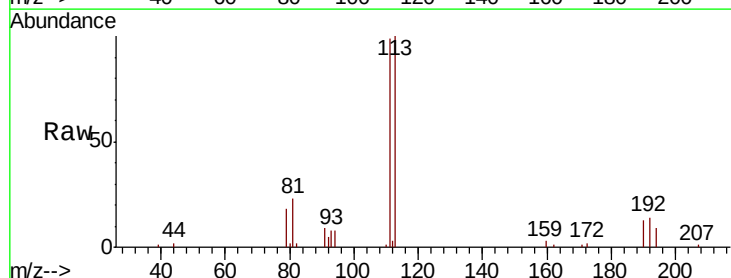
Tgt Ion:113 Resp: 15751

Ion Ratio Lower Upper

113 100

111 103.9 81.7 122.5

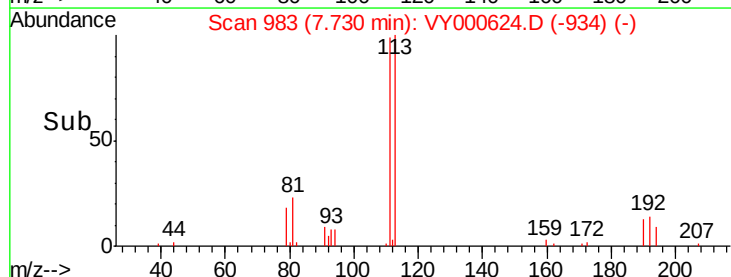
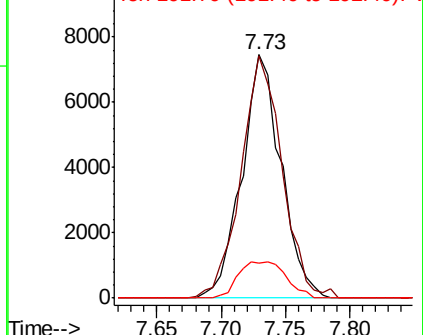
192 18.1 15.0 22.4

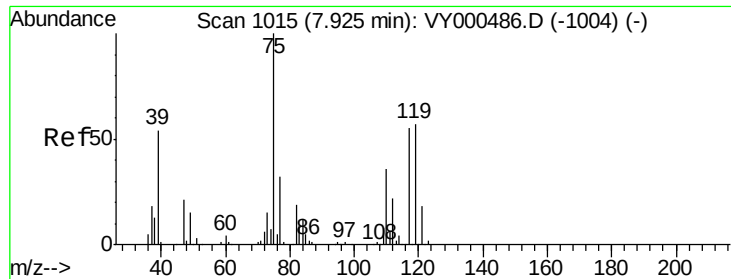


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

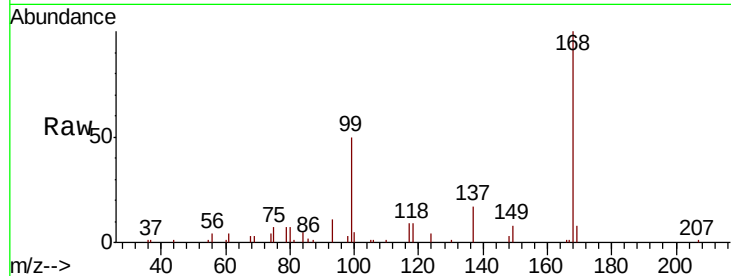




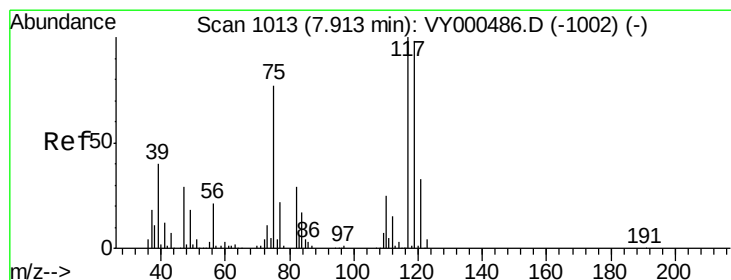
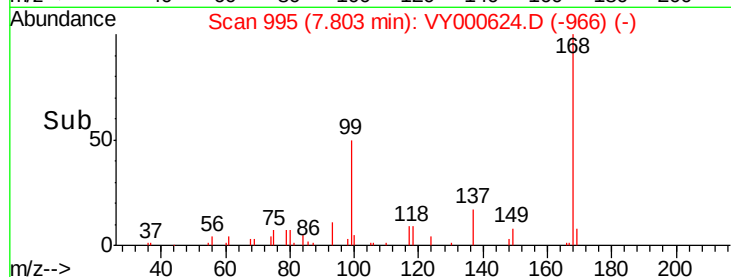
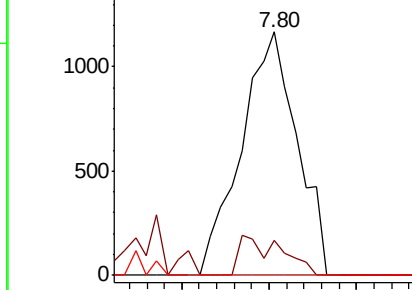
#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000624.D
 Acq: 08 Nov 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 9-D

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.3	18.1	54.1#
77	0.0	25.0	37.6#

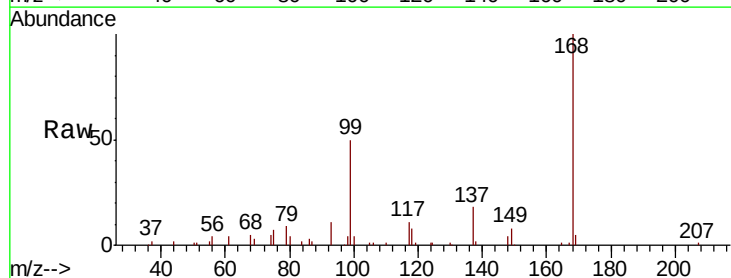


Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-1004) (-)
 Ion 109.90 (109.60 to 110.60): VY000486.D (-1004) (-)
 Ion 76.90 (76.60 to 77.60): VY000486.D (-1004) (-)

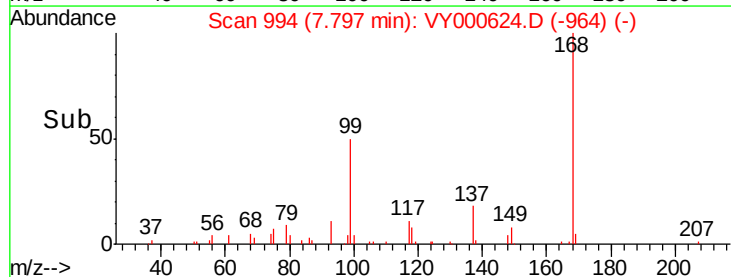
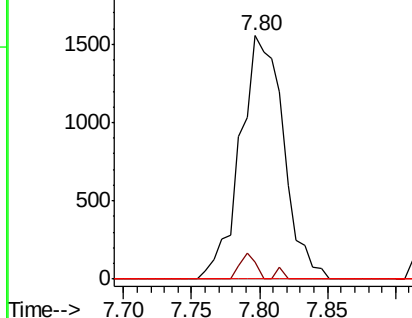


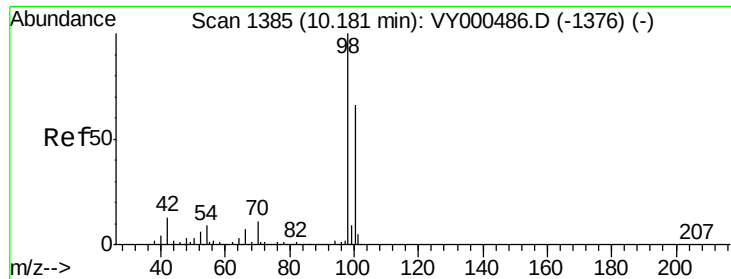
#38
 Carbon Tetrachloride
 Concen: 7.171 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000624.D
 Acq: 08 Nov 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	78.0	117.0#
121	0.0	26.6	40.0#



Abundance Ion 116.80 (116.50 to 117.50): VY000624.D (-964) (-)
 Ion 118.80 (118.50 to 119.50): VY000624.D (-964) (-)
 Ion 120.80 (120.50 to 121.50): VY000624.D (-964) (-)





#50

Toluene-d8

Concen: 51.620 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000624.D

Acq: 08 Nov 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

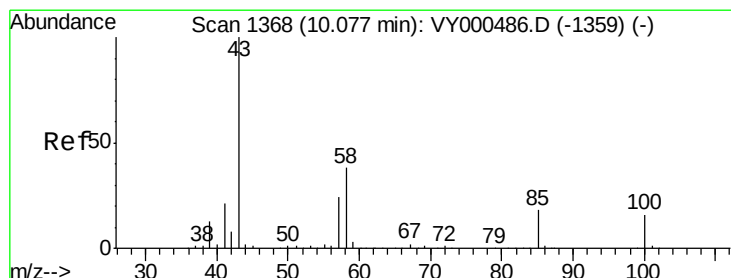
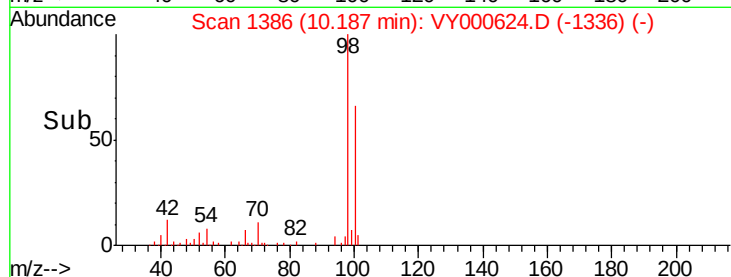
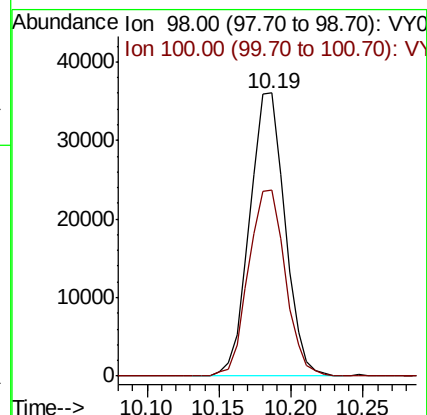
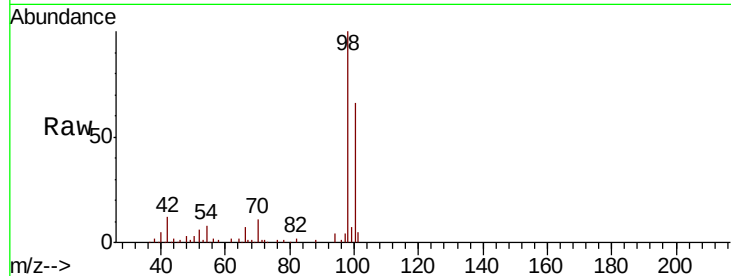
9-D

Tot Ion: 98 Resp: 61187

Ion Ratio Lower Upper

98 100

100 68.2 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.163 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY000624.D

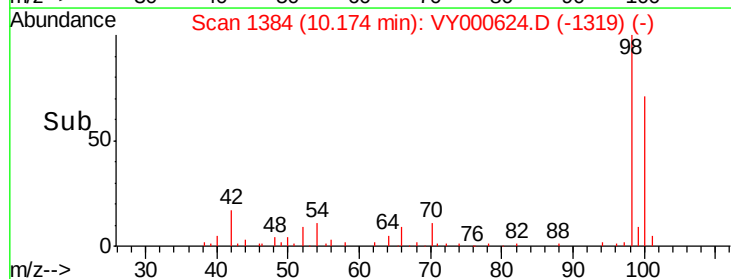
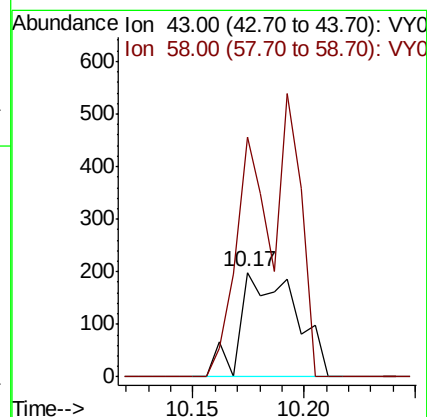
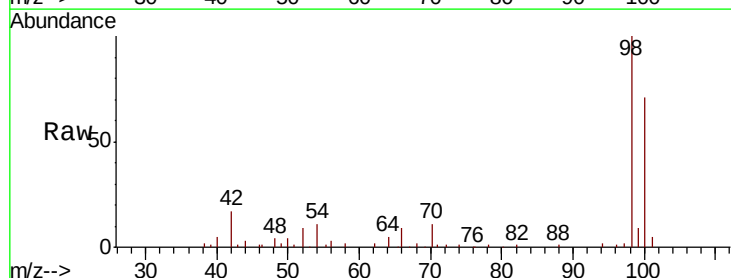
Acq: 08 Nov 2019 17:47

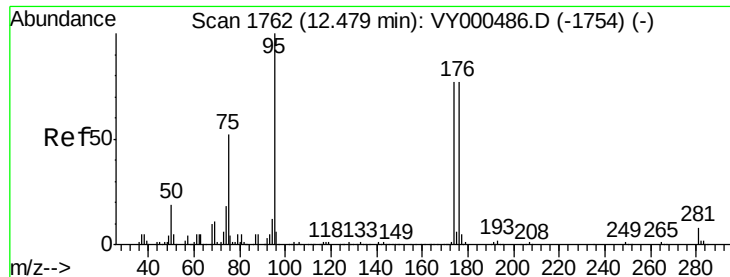
Tgt Ion: 43 Resp: 347

Ion Ratio Lower Upper

43 100

58 132.3 30.2 45.4#

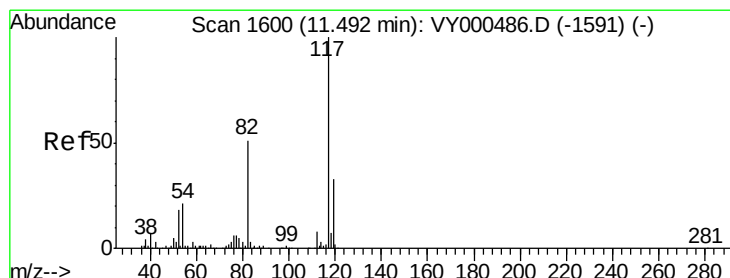
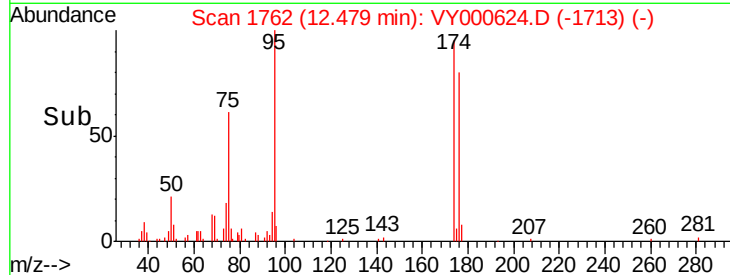
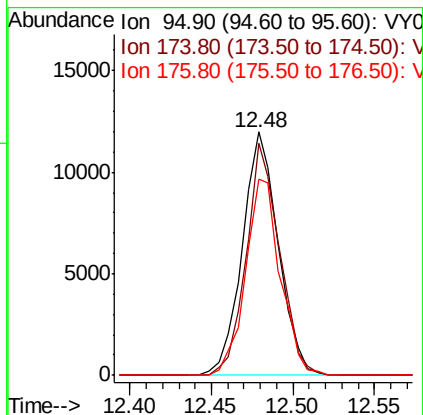
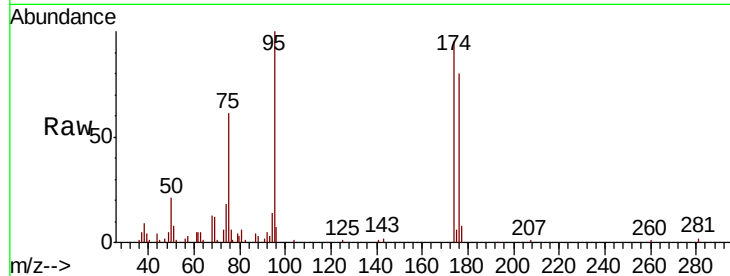




#62
4-Bromofluorobenzene
Concen: 40.727 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000624.D
Acq: 08 Nov 2019 17:47

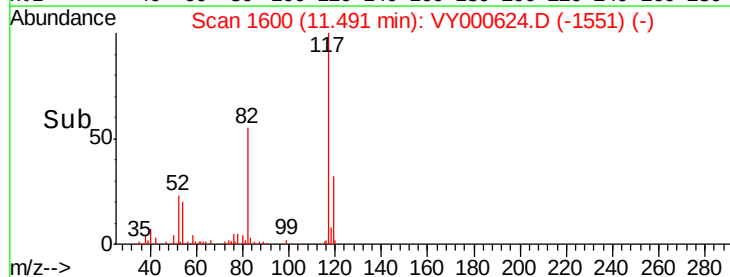
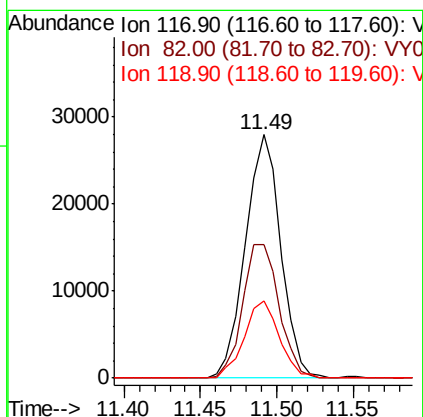
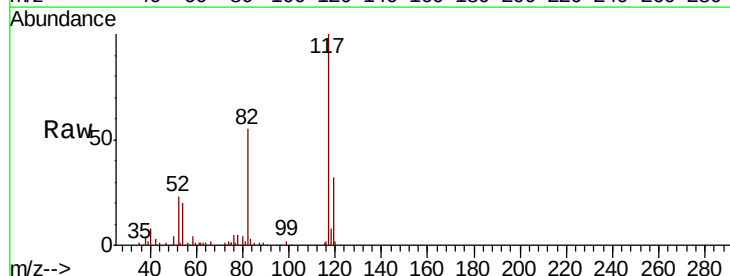
Instrument :
MSVOA_Y
ClientSampleId :
9-D

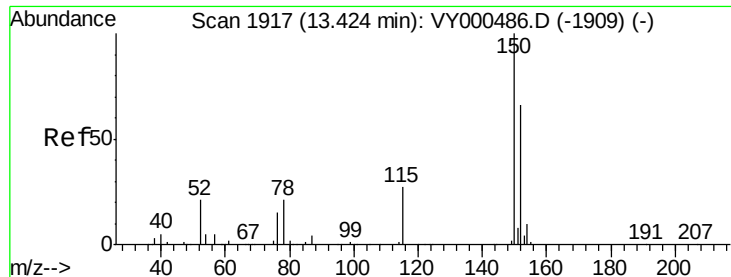
Tot Ion: 95 Resp: 18378
Ion Ratio Lower Upper
95 100
174 88.3 0.0 161.6
176 78.3 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000624.D
Acq: 08 Nov 2019 17:47

Tgt Ion: 117 Resp: 45004
Ion Ratio Lower Upper
117 100
82 54.8 40.8 61.2
119 31.5 26.2 39.2



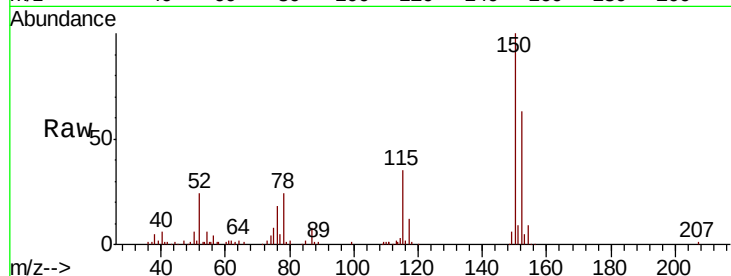


#72

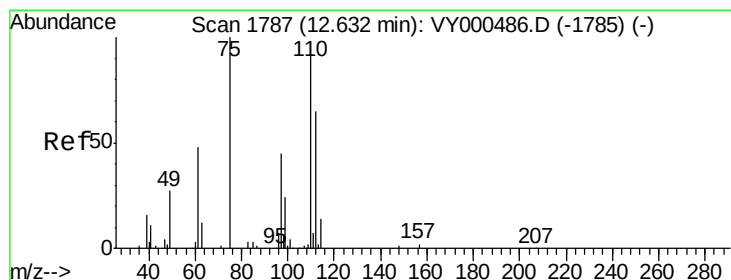
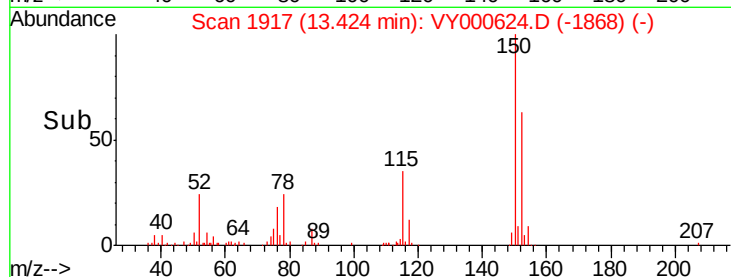
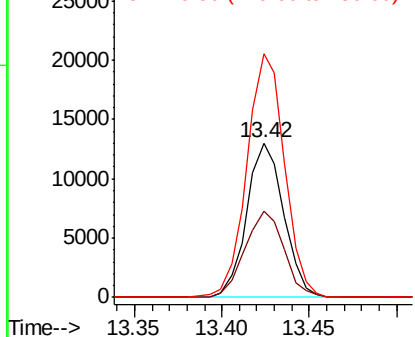
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000624.D
Acq: 08 Nov 2019 17:47

Instrument :
MSVOA_Y
ClientSampled :
9-D

Tot Ion:152 Resp: 19131
Ion Ratio Lower Upper
152 100
115 59.1 29.1 87.4
150 160.4 0.0 348.8



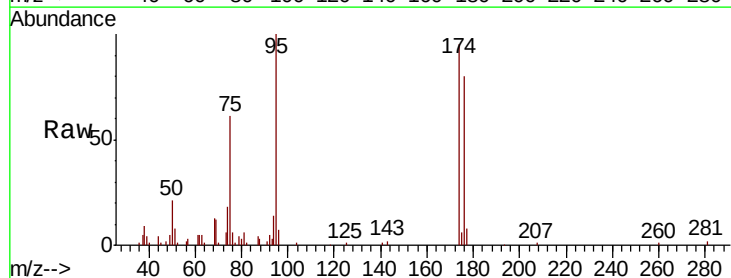
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



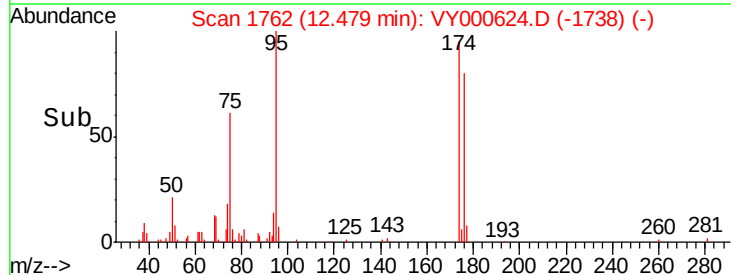
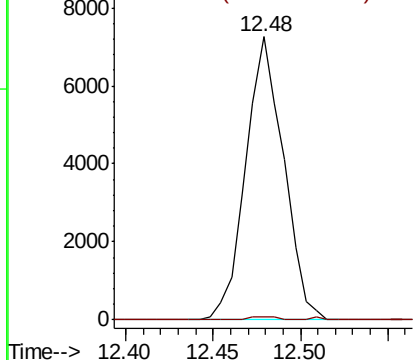
#76

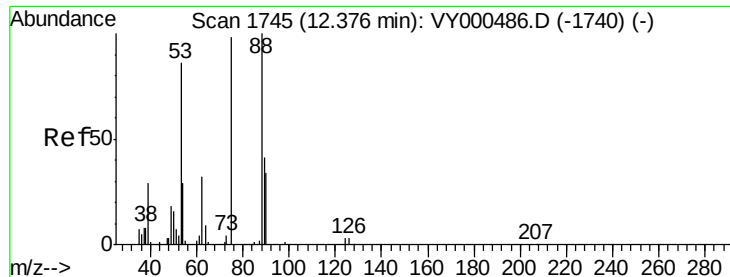
1,2,3-Trichloropropane
Concen: 50.227 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000624.D
Acq: 08 Nov 2019 17:47

Tgt Ion: 75 Resp: 10941
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0

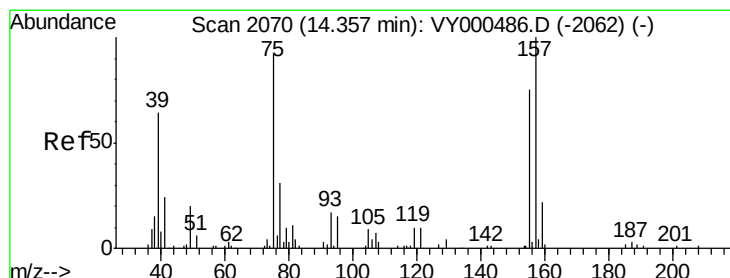
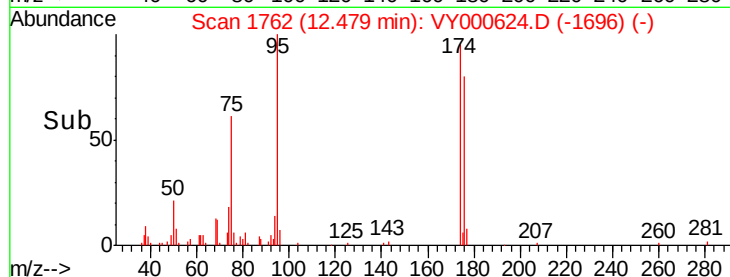
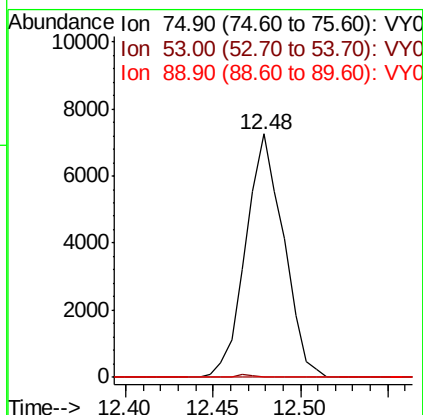
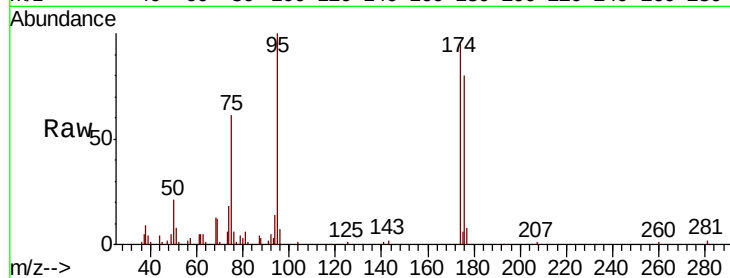




#81
trans-1,4-Dichloro-2-butene
Concen: 112.615 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000624.D
Acq: 08 Nov 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
9-D

Tot Ion: 75 Resp: 10941
Ion Ratio Lower Upper
75 100
53 0.4 73.2 109.8#
89 0.0 35.9 53.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.453 ug/l
RT: 14.55 min Scan# 2102
Delta R.T. 0.19 min
Lab File: VY000624.D
Acq: 08 Nov 2019 17:47

Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
155 0.0 42.4 127.1#
157 0.0 55.1 165.3#

