

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003212.D
 Acq On : 16 Jul 2020 16:19
 Operator : SY/MD
 Sample : L3308-02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2

Quant Time: Jul 17 05:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	273944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	403228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	329475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	124495	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	151708	65.61	ug/l	0.00
Spiked Amount			Recovery	=	131.22%	
35) Dibromofluoromethane	7.72	113	136644	58.89	ug/l	0.00
Spiked Amount			Recovery	=	117.78%	
50) Toluene-d8	10.18	98	489089	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.48	95	133608	42.87	ug/l	0.00
Spiked Amount			Recovery	=	85.74%	

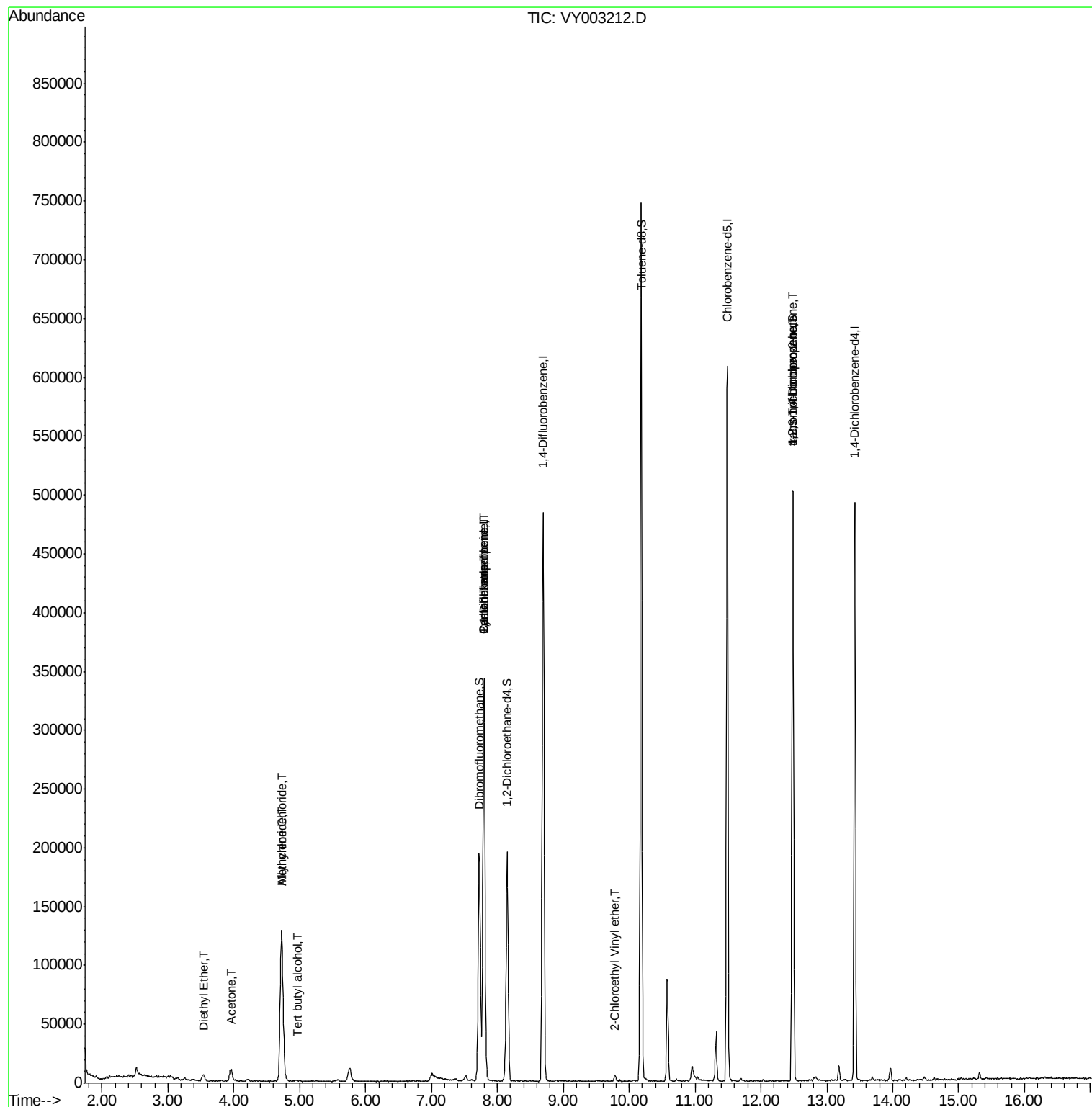
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	3243	2.425	ug/l	68
11) Tert butyl alcohol	4.97	59	527	2.108	ug/l #	80
14) Allyl chloride	4.72	41	4427	1.309	ug/l #	27
16) Acetone	3.96	43	18433	35.690	ug/l	99
20) Methylene Chloride	4.72	84	97854	36.133	ug/l	94
31) Cyclohexane	7.80	56	5230	1.244	ug/l #	20
36) 1,1-Dichloropropene	7.80	75	19959	5.461	ug/l #	50
38) Carbon Tetrachloride	7.80	117	25203	6.680	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.78	63	2414	1.616	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	70291	63.785	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70291	124.138	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. -0.00 min

Lab File: VY003212.D

Acq: 16 Jul 2020 16:19

Instrument :

MSVOA_Y

ClientSampled :

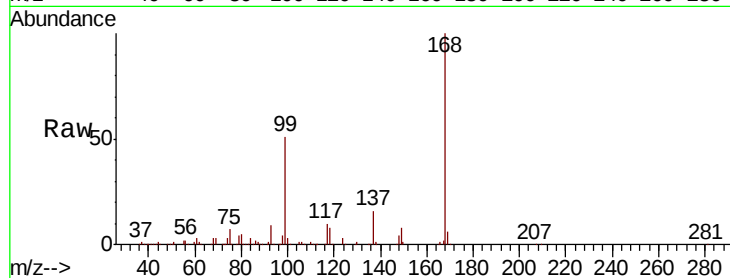
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Tot Ion:168 Resp: 273944

Ion Ratio Lower Upper

168 100

99 50.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003212.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003212.D (-945) (-)

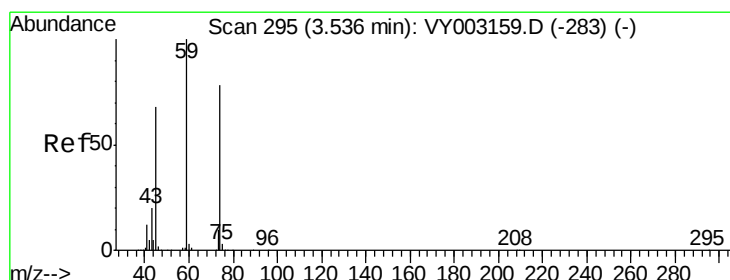
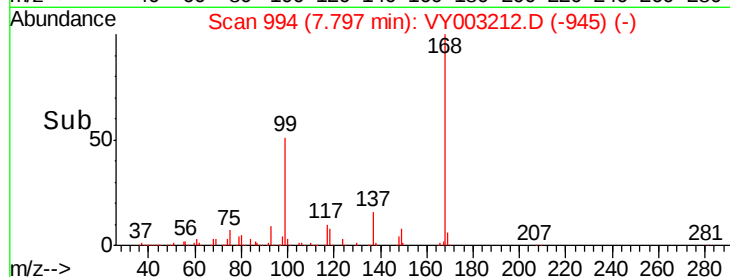
7.80

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.425 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY003212.D

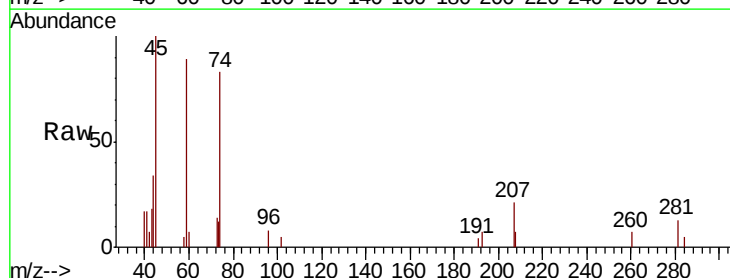
Acq: 16 Jul 2020 16:19

Tgt Ion: 74 Resp: 3243

Ion Ratio Lower Upper

74 100

45 120.8 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003212.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003212.D (-246) (-)

3.53

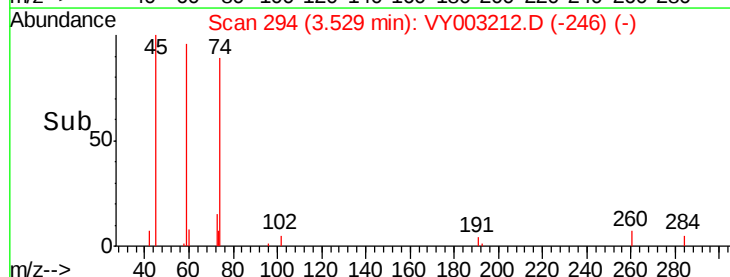
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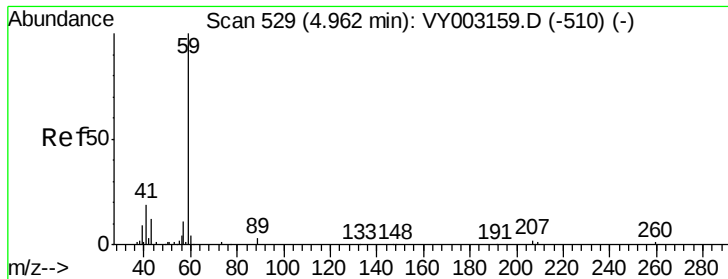
1000

500

0

Time-->



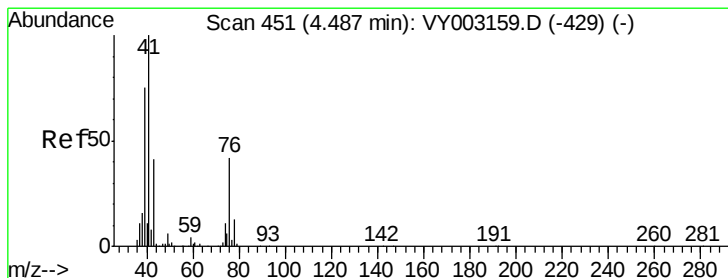
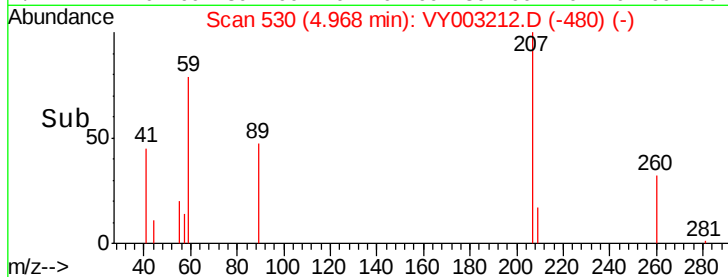
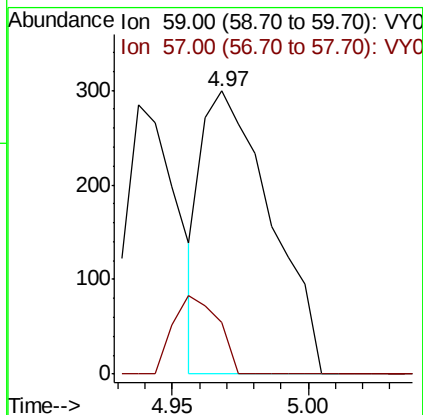
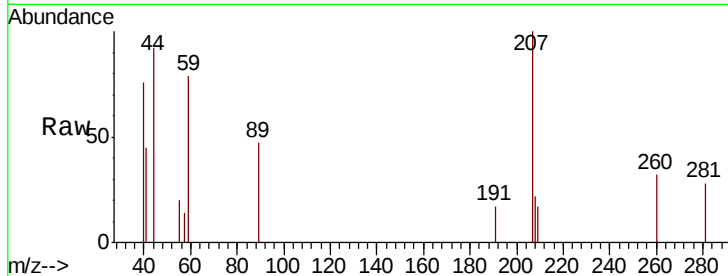


#11

Tert butyl alcohol
 Concen: 2.108 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY003212.D
 Acq: 16 Jul 2020 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 2

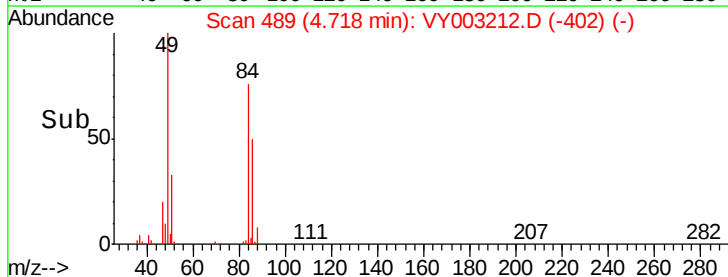
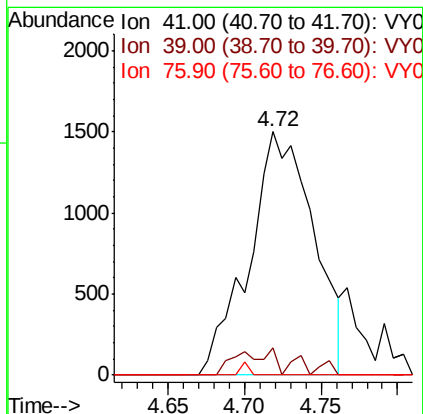
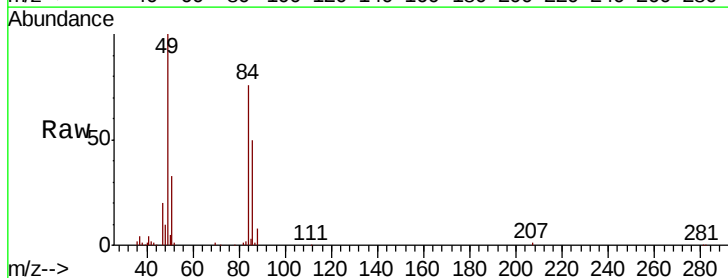
Tot Ion: 59 Resp: 527
 Ion Ratio Lower Upper
 59 100
 57 18.0 8.4 12.6#

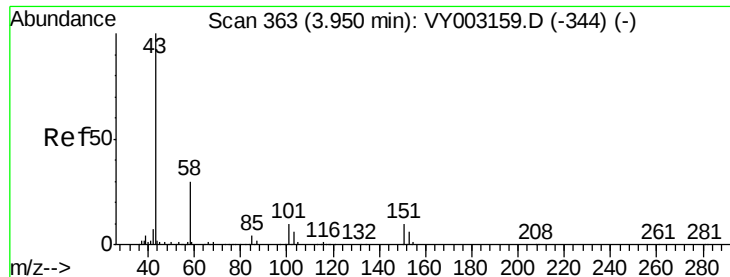


#14

Allyl chloride
 Concen: 1.309 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. 0.23 min
 Lab File: VY003212.D
 Acq: 16 Jul 2020 16:19

Tgt Ion: 41 Resp: 4427
 Ion Ratio Lower Upper
 41 100
 39 5.9 56.6 85.0#
 76 0.7 31.6 47.4#





#16

Acetone

Concen: 35.690 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003212.D

Acq: 16 Jul 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

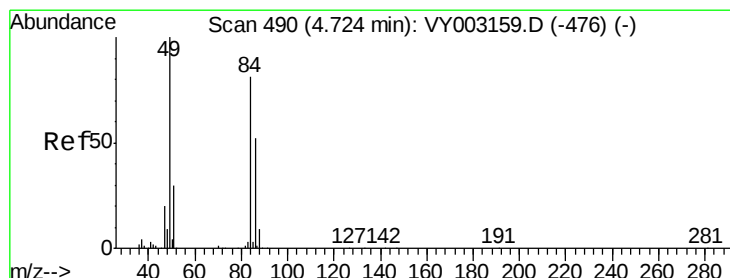
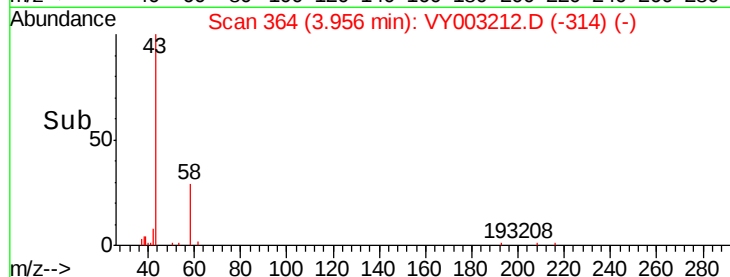
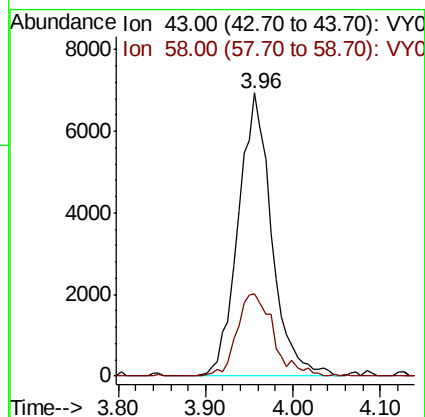
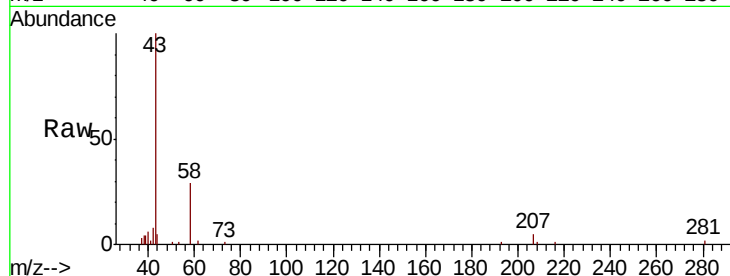
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Tot Ion: 43 Resp: 18433

Ion Ratio Lower Upper

43 100

58 28.9 23.8 35.6



#20

Methylene Chloride

Concen: 36.133 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003212.D

Acq: 16 Jul 2020 16:19

Tgt Ion: 84 Resp: 97854

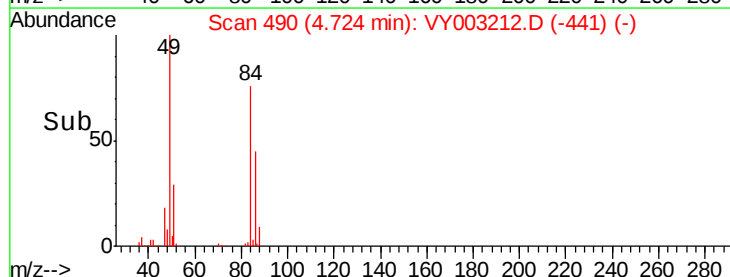
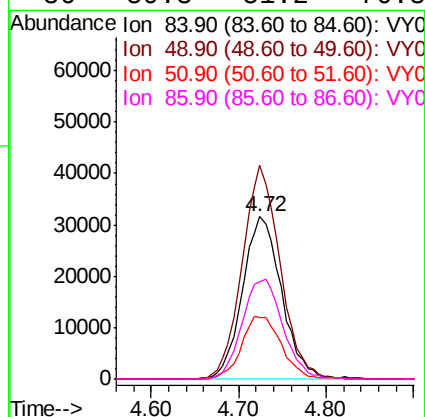
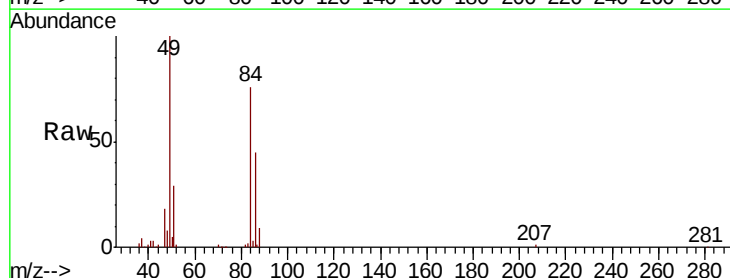
Ion Ratio Lower Upper

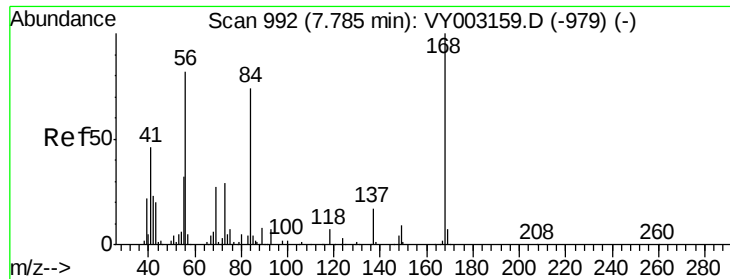
84 100

49 131.9 98.2 147.4

51 38.1 29.8 44.6

86 59.8 51.2 76.8

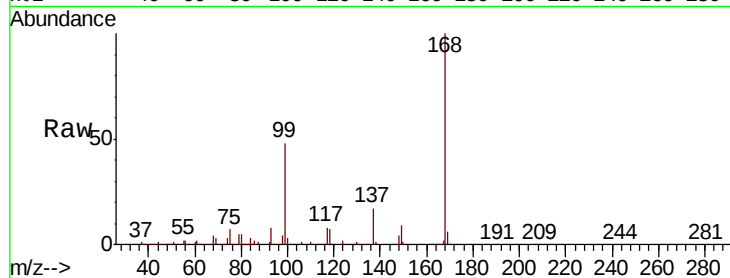




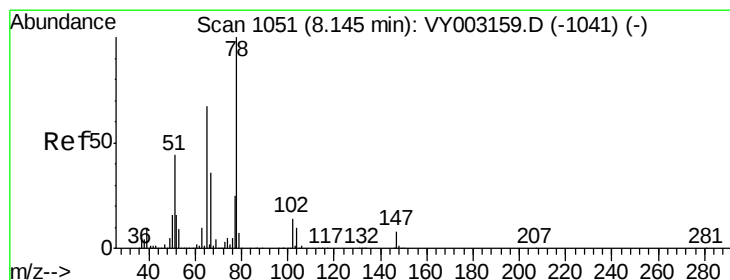
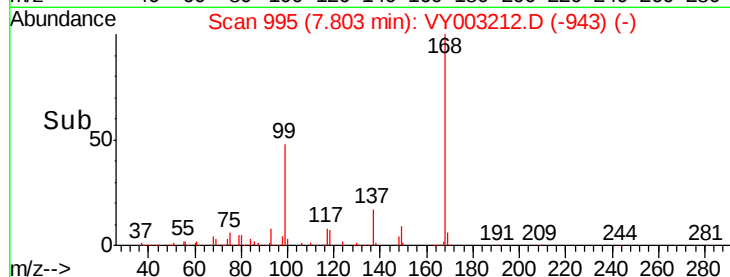
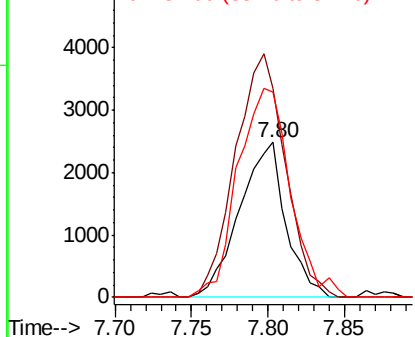
#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.02 min
Lab File: VY003212.D
Acq: 16 Jul 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :
2

Tot Ion: 56 Resp: 5230
Ion Ratio Lower Upper
56 100
69 134.9 26.7 40.1#
84 132.0 72.3 108.5#

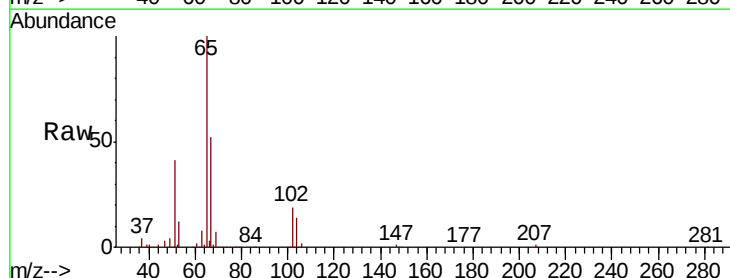


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

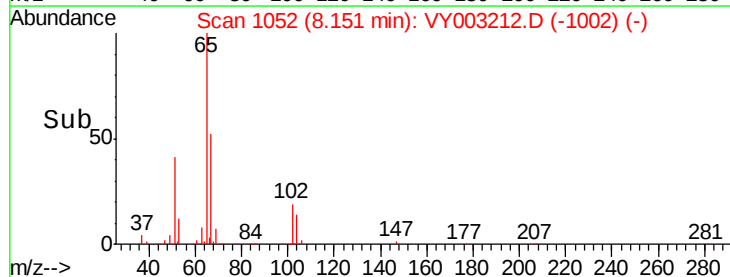
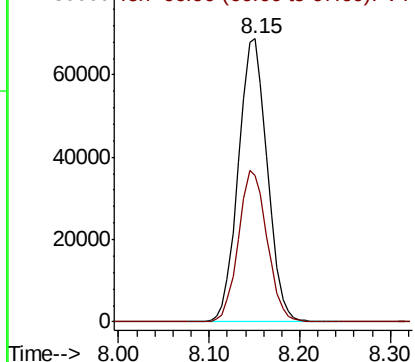


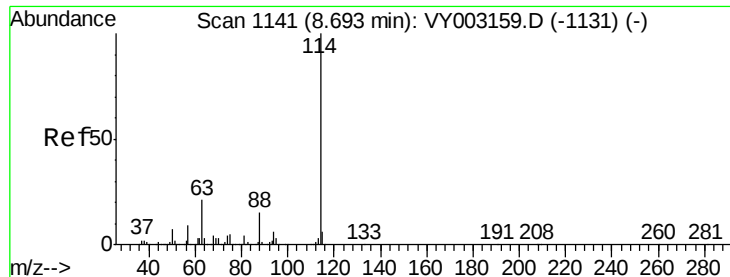
#33
1,2-Dichloroethane-d4
Concen: 65.613 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003212.D
Acq: 16 Jul 2020 16:19

Tgt Ion: 65 Resp: 151708
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

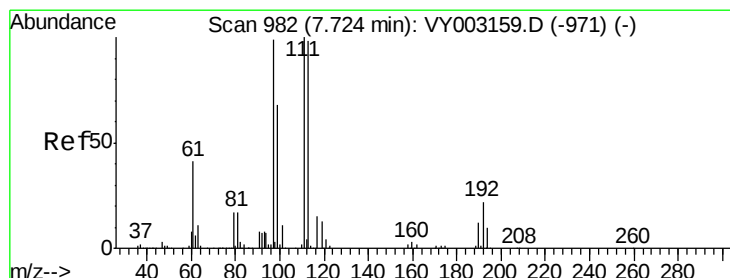
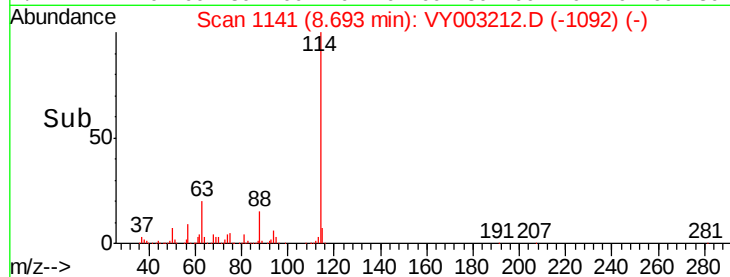
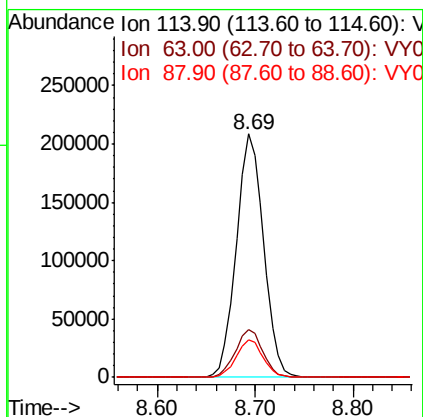
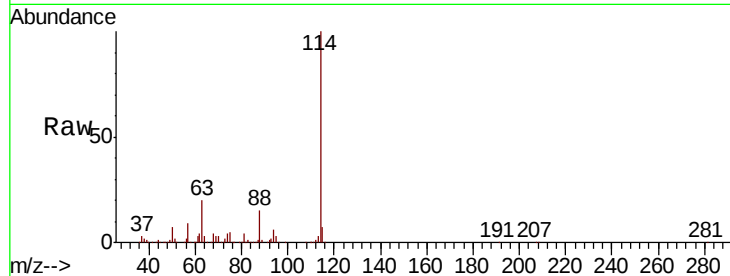




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003212.D
 Acq: 16 Jul 2020 16:19

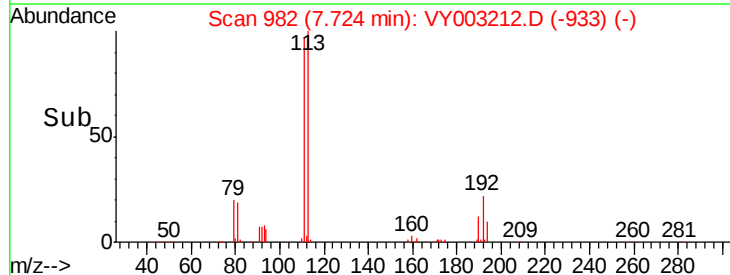
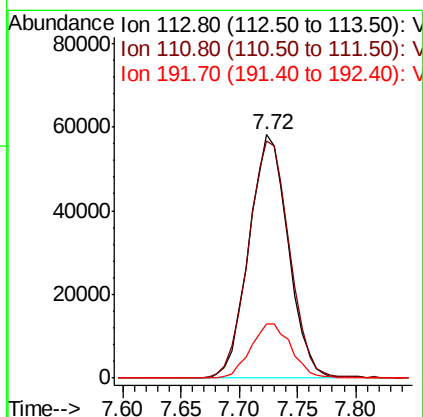
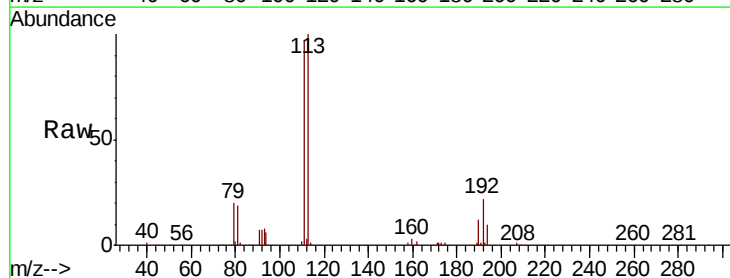
Instrument :
 MSVOA_Y
 ClientSampled :
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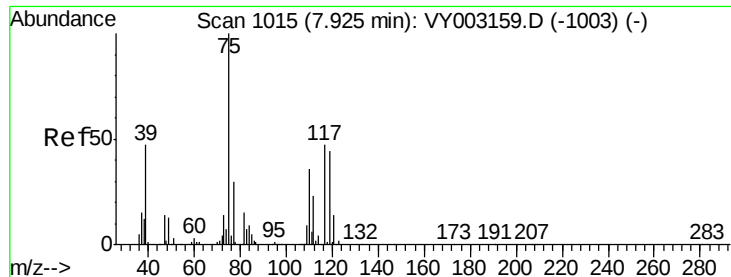
Tot Ion:114 Resp: 403228
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.2
 88 15.3 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 58.886 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003212.D
 Acq: 16 Jul 2020 16:19

Tgt Ion:113 Resp: 136644
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 22.8 18.8 28.2

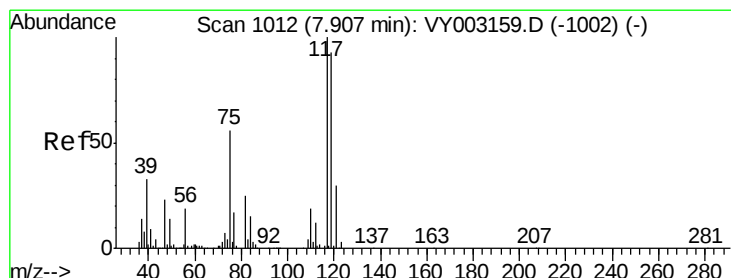
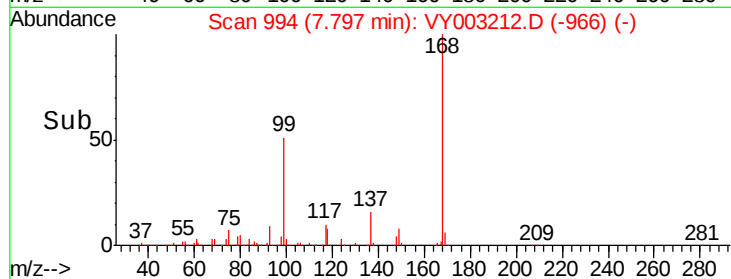
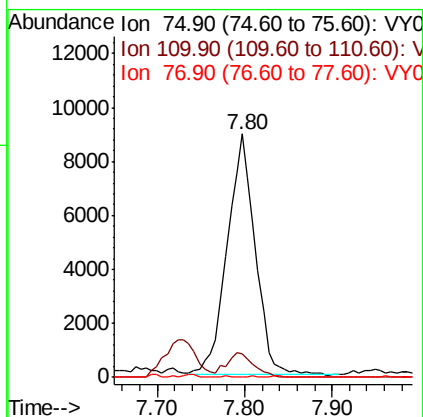
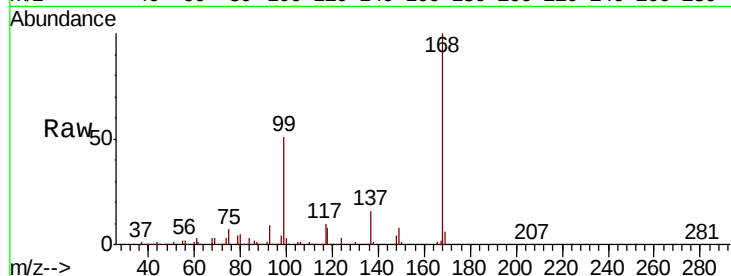




#36
 1,1-Dichloropropene
 Concen: 5.461 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003212.D
 Acq: 16 Jul 2020 16:19

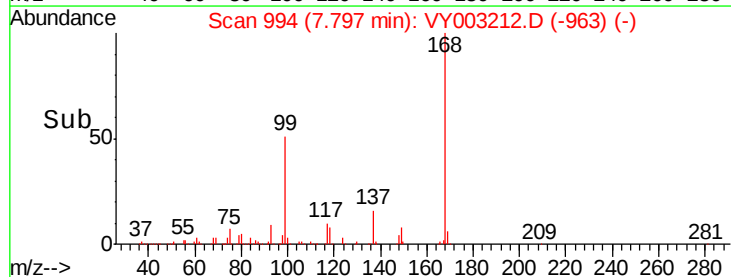
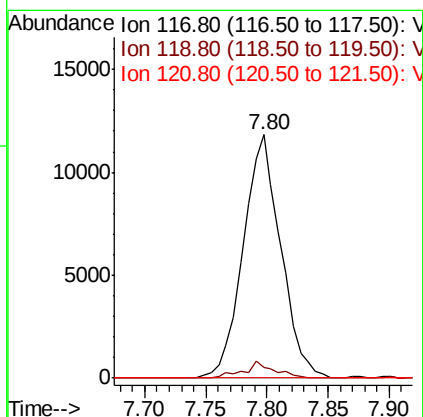
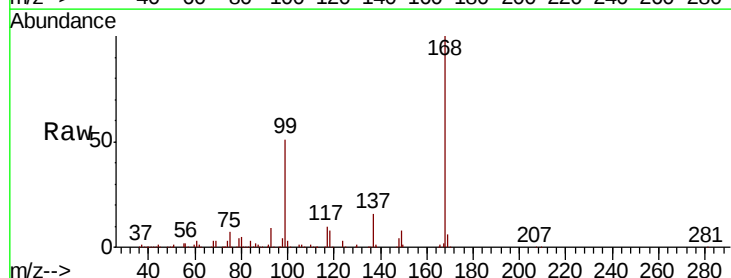
Instrument :
 MSVOA_Y
 ClientSampleId :
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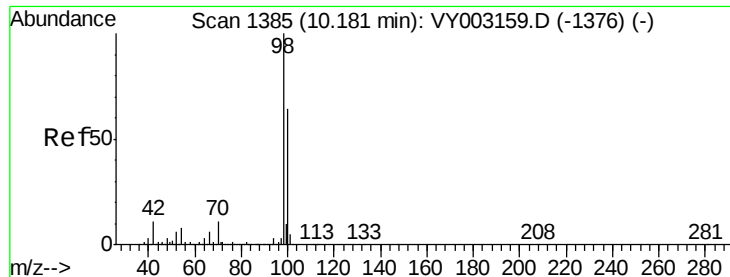
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.680 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003212.D
 Acq: 16 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 56.692 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003212.D

Acq: 16 Jul 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

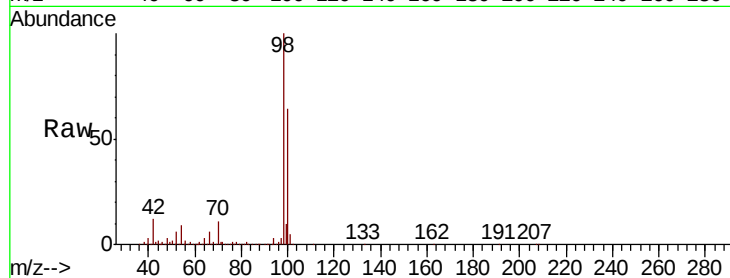
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Tot Ion: 98 Resp: 489089

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

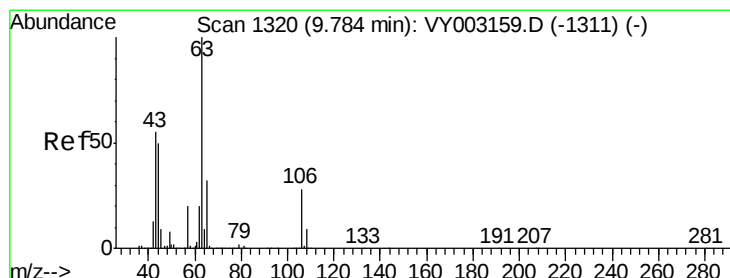
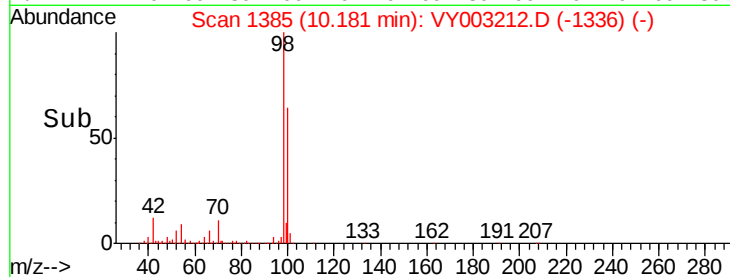
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.616 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003212.D

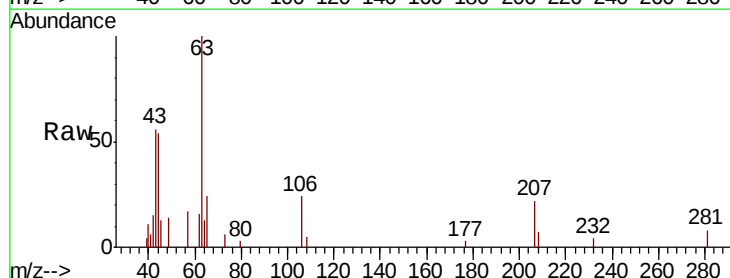
Acq: 16 Jul 2020 16:19

Tgt Ion: 63 Resp: 2414

Ion Ratio Lower Upper

63 100

106 25.8 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

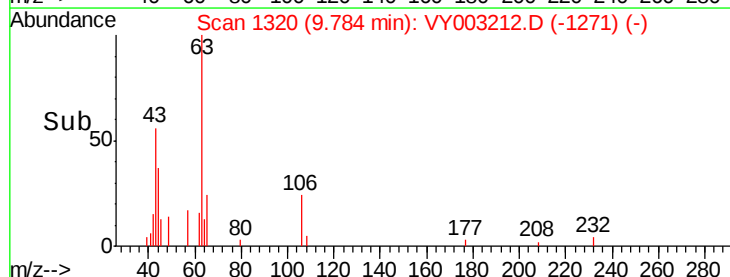
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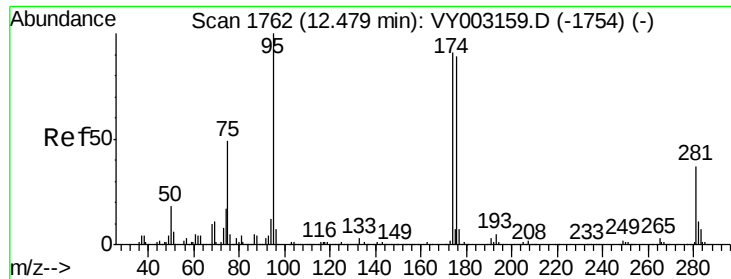
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 42.869 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003212.D

Acq: 16 Jul 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

2

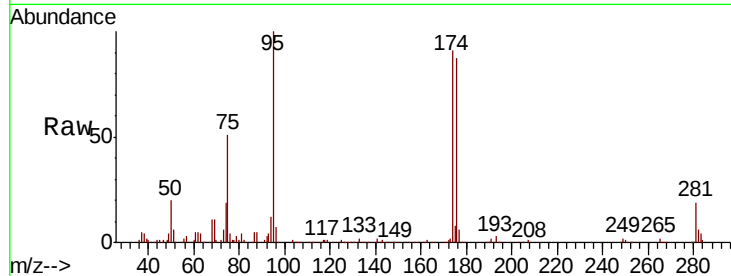
Tot Ion: 95 Resp: 133608

Ion Ratio Lower Upper

95 100

174 93.9 0.0 190.6

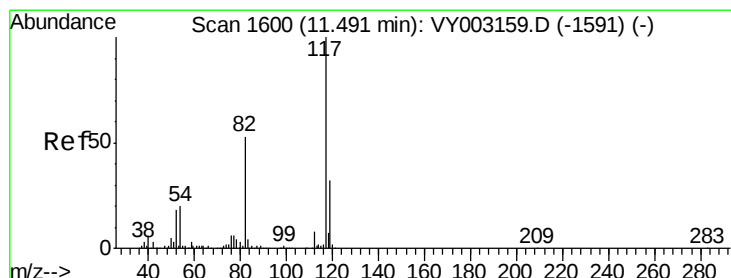
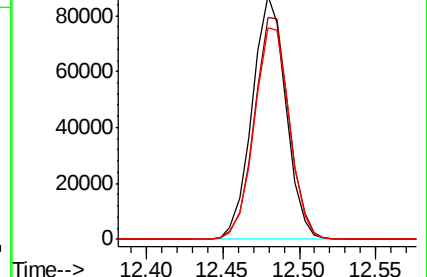
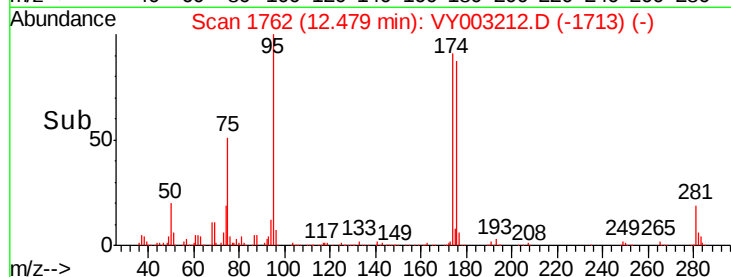
176 91.0 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003212.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003212.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003212.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003212.D

Acq: 16 Jul 2020 16:19

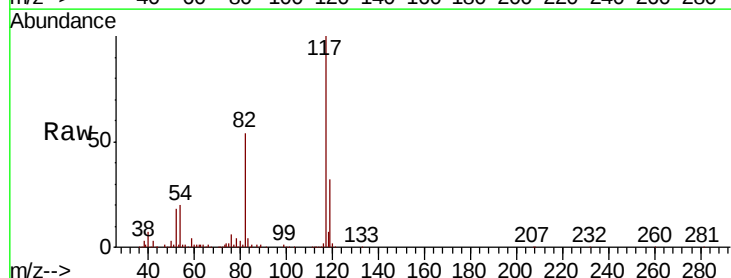
Tgt Ion: 117 Resp: 329475

Ion Ratio Lower Upper

117 100

82 54.2 42.0 63.0

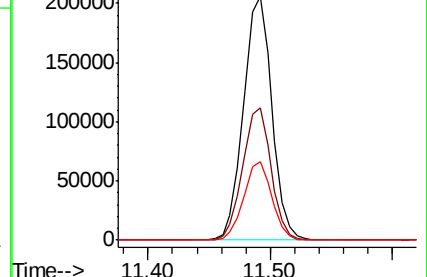
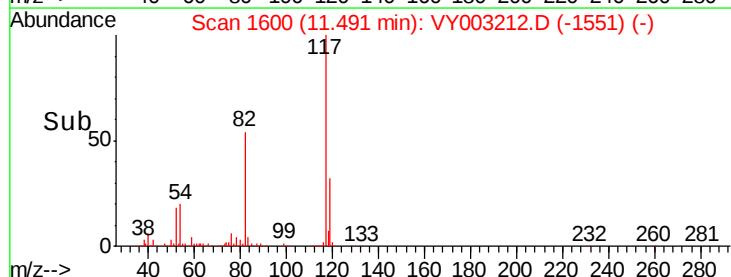
119 32.1 25.5 38.3

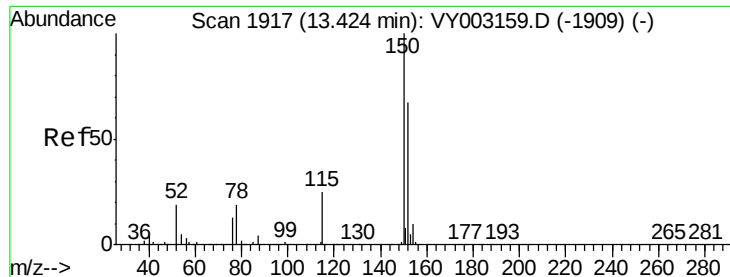


Abundance Ion 116.90 (116.60 to 117.60): VY003212.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003212.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003212.D (-1551) (-)



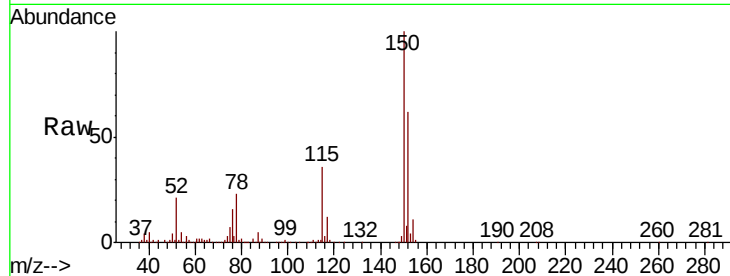


#72

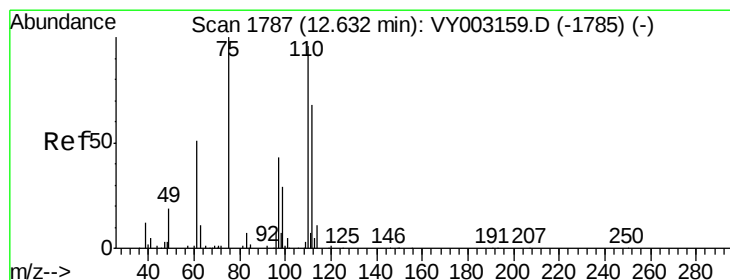
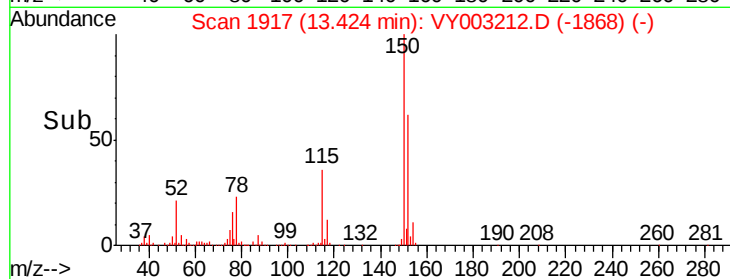
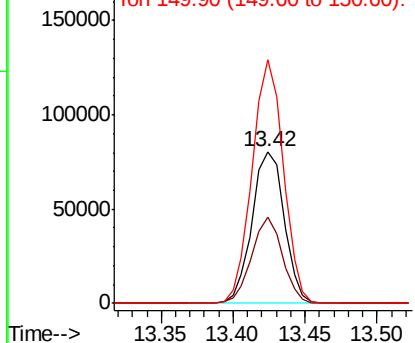
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003212.D
Acq: 16 Jul 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.9	80.7
150	155.1	0.0	338.0



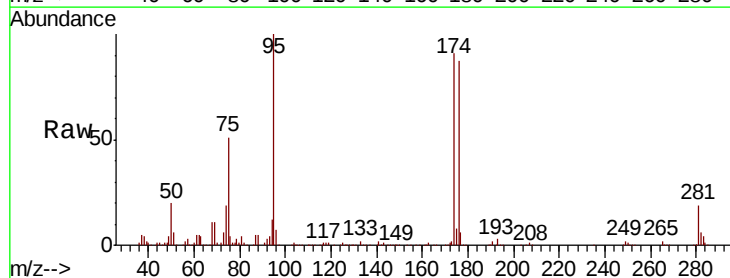
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



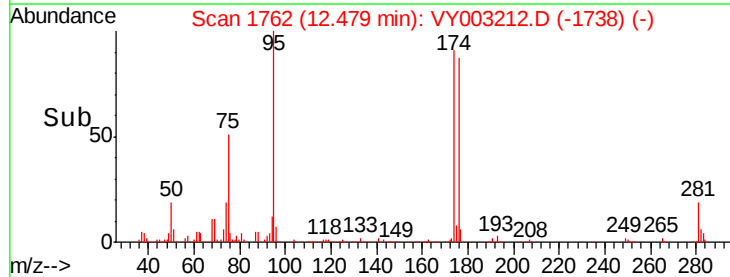
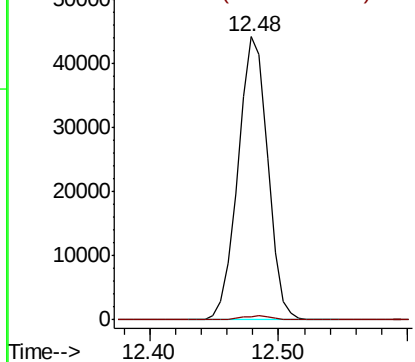
#76

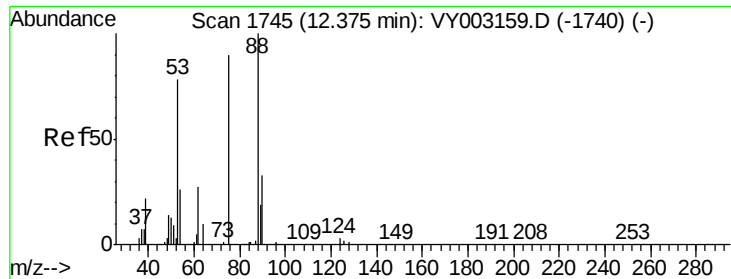
1,2,3-Trichloropropane
Concen: 63.785 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003212.D
Acq: 16 Jul 2020 16:19

Tgt 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: 124.138 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003212.D

Acq: 16 Jul 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

2

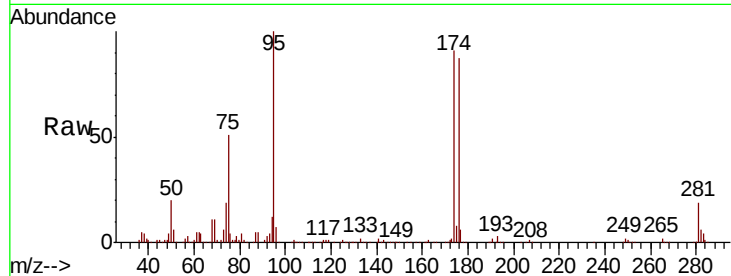
Tot Ion: 75 Resp: 70291

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.1 37.3 55.9#



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

