

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003328.D
 Acq On : 23 Jul 2020 19:58
 Operator : SY/MD
 Sample : L3382-21
 Misc : 8.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CTR-024

Quant Time: Jul 24 04:44:33 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	430744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	668810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	601513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	274115	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	211107	58.07	ug/l	0.00
Spiked Amount			Recovery	=	116.14%	
35) Dibromofluoromethane	7.72	113	208322	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
50) Toluene-d8	10.18	98	812383	56.77	ug/l	0.00
Spiked Amount			Recovery	=	113.54%	
62) 4-Bromofluorobenzene	12.48	95	252501	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	

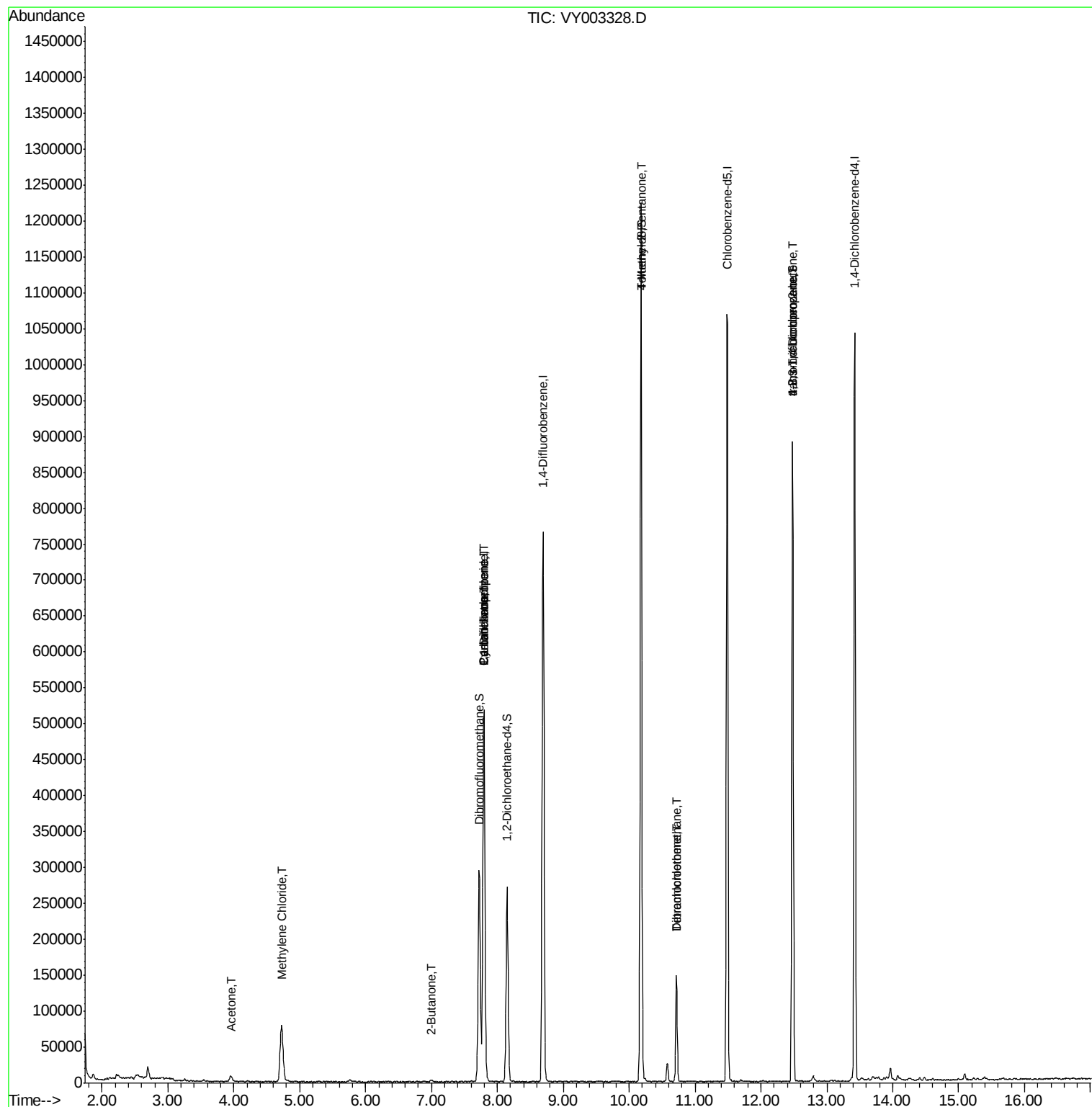
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	13304	16.382	ug/l	92
20) Methylene Chloride	4.73	84	63520	11.292	ug/l	94
25) 2-Butanone	6.99	43	3064	2.298	ug/l #	88
31) Cyclohexane	7.80	56	7313	1.106	ug/l #	3
36) 1,1-Dichloropropene	7.79	75	28851	4.760	ug/l #	51
38) Carbon Tetrachloride	7.79	117	39264	6.274	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	3364	1.024	ug/l #	1
60) Dibromochloromethane	10.72	129	26914	5.987	ug/l #	11
64) Tetrachloroethene	10.72	164	34061	6.351	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	127130	52.395	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	127130	101.970	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: VY003328.D

Acq: 23 Jul 2020 19:58

Instrument :

MSVOA_Y

ClientSampled :

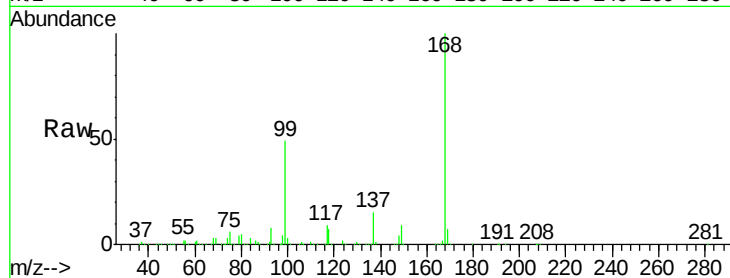
CTR-024

Tot Ion:168 Resp: 430744

Ion Ratio Lower Upper

168 100

99 49.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003328.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003328.D (-945) (-)

7.80

200000

150000

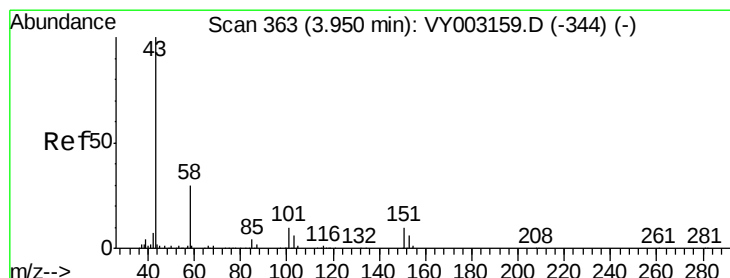
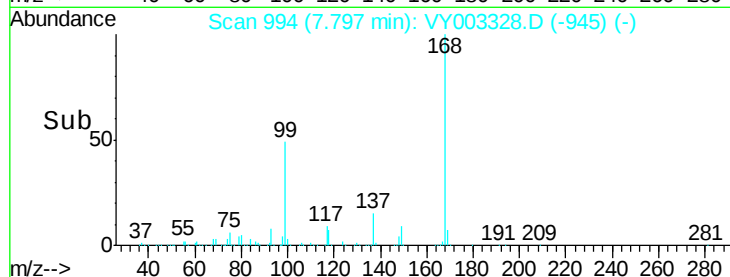
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 16.382 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003328.D

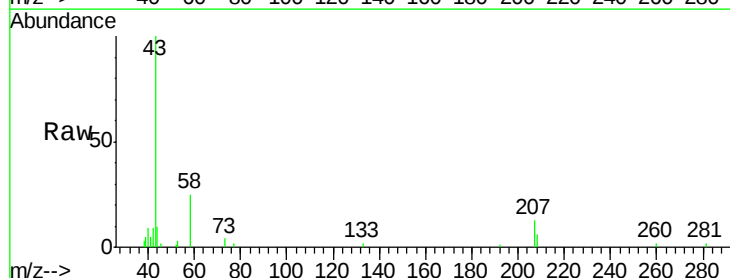
Acq: 23 Jul 2020 19:58

Tgt Ion: 43 Resp: 13304

Ion Ratio Lower Upper

43 100

58 25.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003328.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003328.D (-314) (-)

3.96

5000

4000

3000

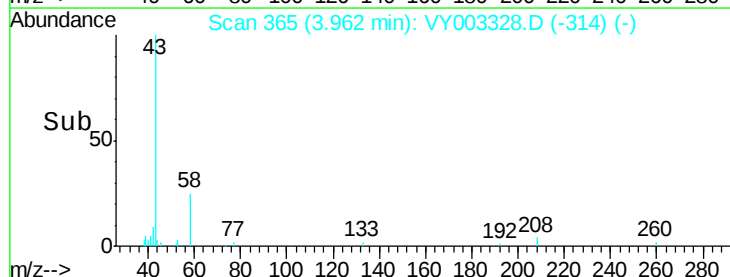
2000

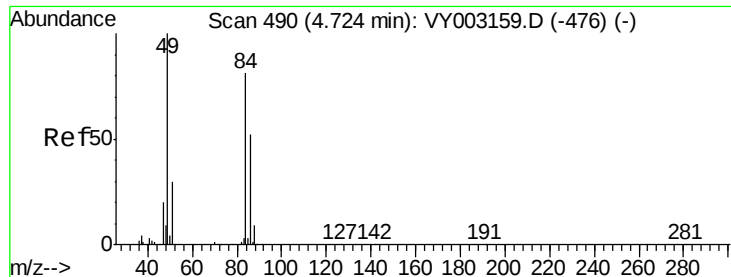
1000

0

3.90 4.00

Time-->

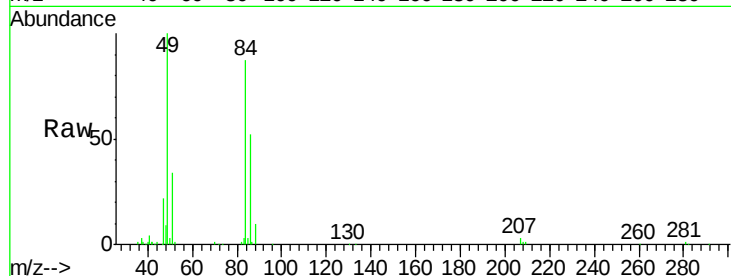




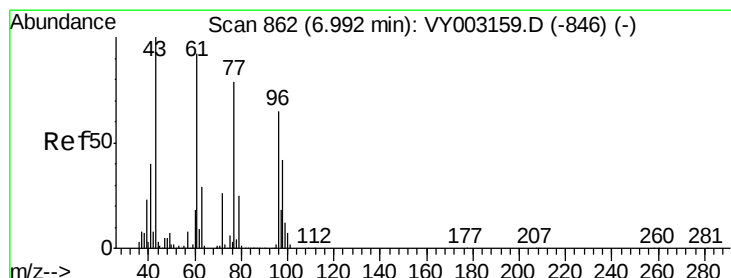
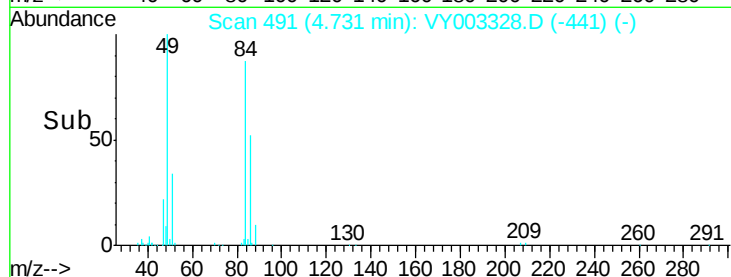
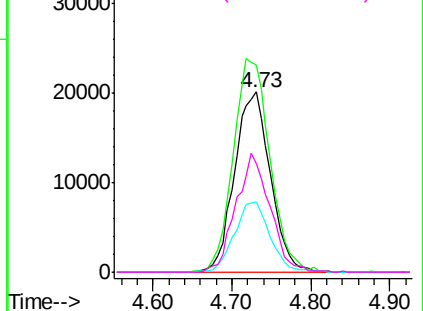
#20
Methvlene Chloride
Concen: 11.292 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003328.D
Acq: 23 Jul 2020 19:58

Instrument :
MSVOA_Y
ClientSampleId :
CTR-024

Tot Ion: 84 Resp: 63520
Ion Ratio Lower Upper
84 100
49 115.3 98.2 147.4
51 39.4 29.8 44.6
86 60.2 51.2 76.8

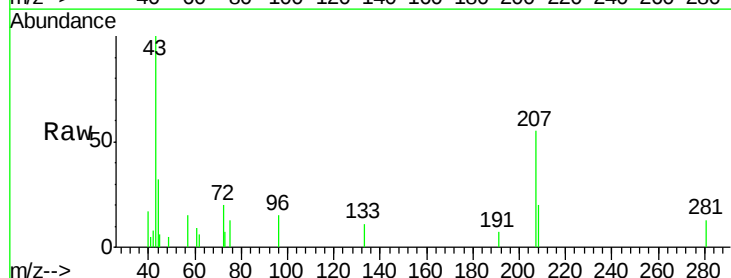


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

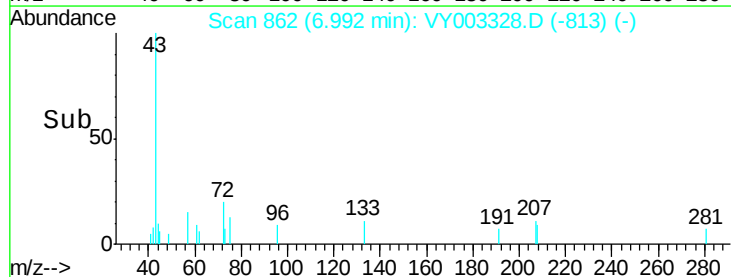
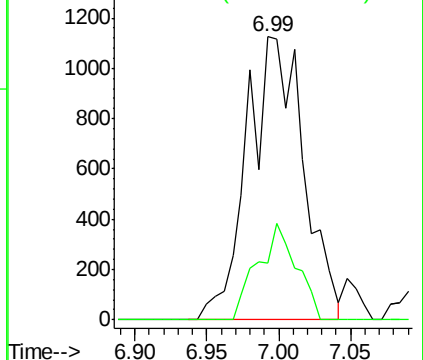


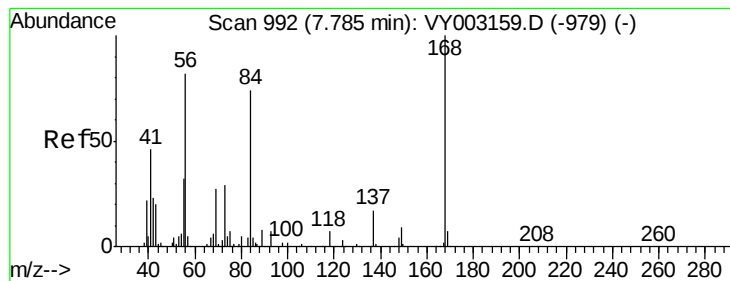
#25
2-Butanone
Concen: 2.298 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003328.D
Acq: 23 Jul 2020 19:58

Tgt Ion: 43 Resp: 3064
Ion Ratio Lower Upper
43 100
72 19.9 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003328.D

Acq: 23 Jul 2020 19:58

Instrument :

MSVOA_Y

ClientSampleId :

CTR-024

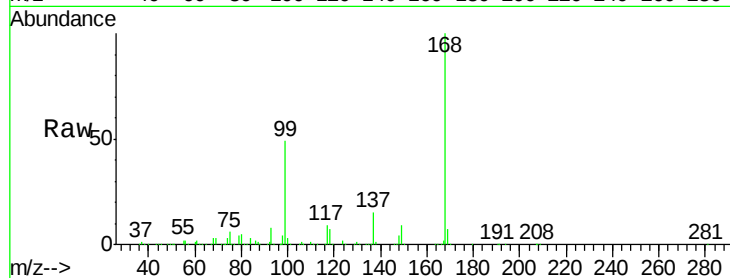
Tot Ion: 56 Resp: 7313

Ion Ratio Lower Upper

56 100

69 152.3 26.7 40.1#

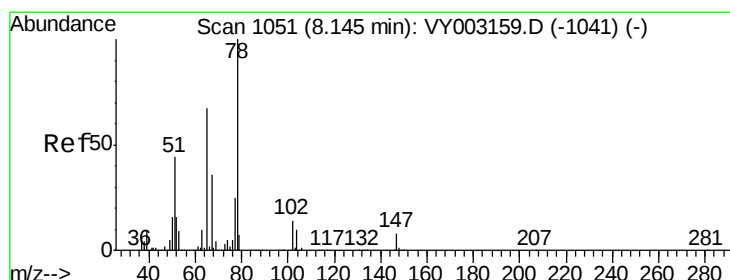
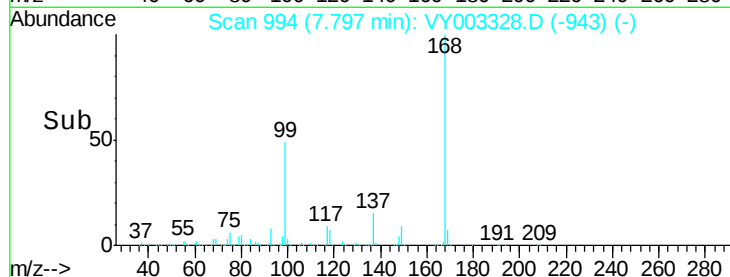
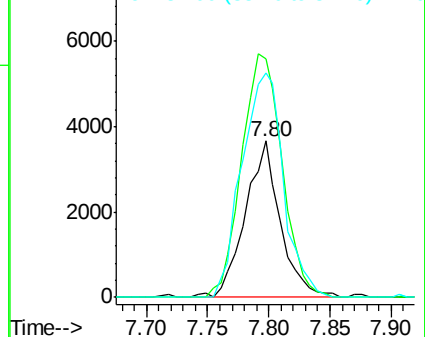
84 143.4 72.3 108.5#



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: 58.066 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003328.D

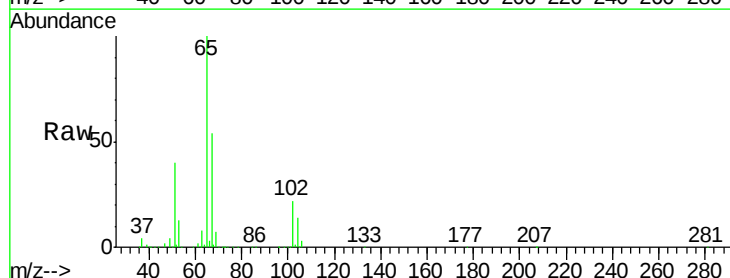
Acq: 23 Jul 2020 19:58

Tgt Ion: 65 Resp: 211107

Ion Ratio Lower Upper

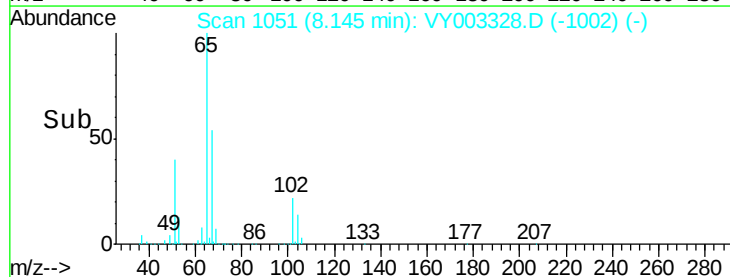
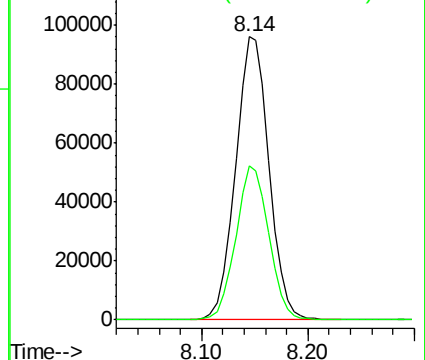
65 100

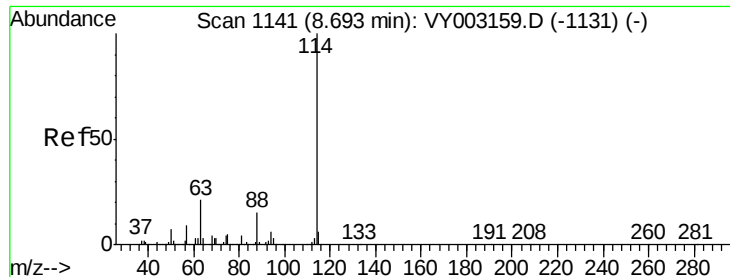
67 53.9 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

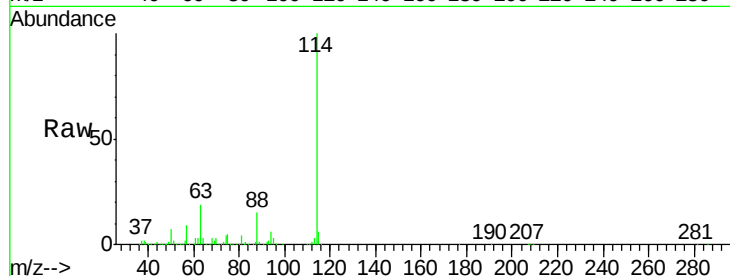




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VY003328.D
Acq: 23 Jul 2020 19:58

Instrument :
MSVOA_Y
ClientSampled :
CTR-024

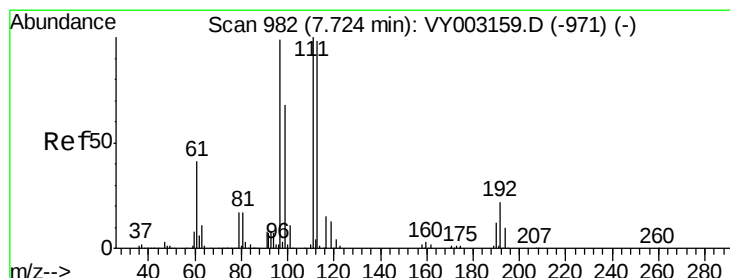
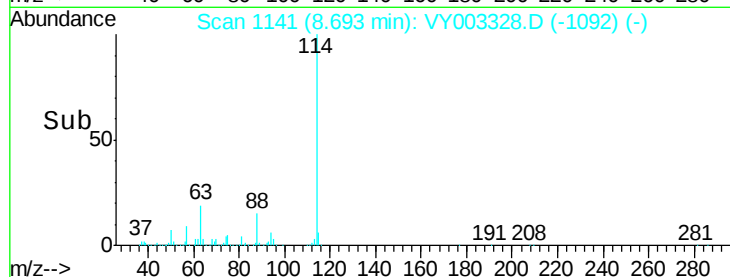
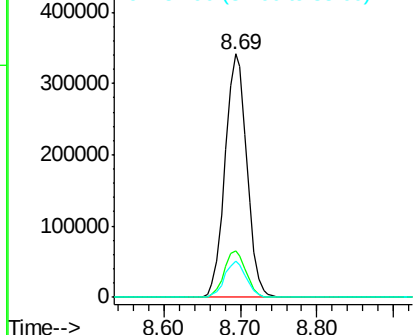
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	14.8	0.0	30.2



Abundance Ion 113.90 (113.60 to 114.60): V

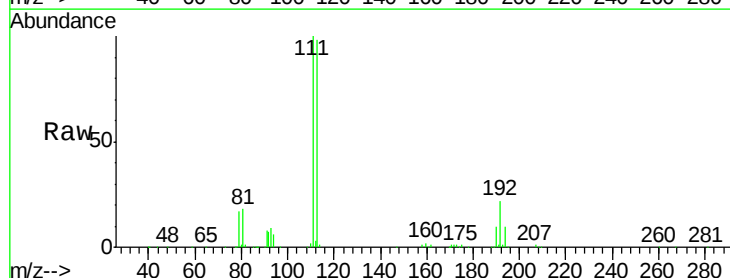
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35
Dibromofluoromethane
Concen: 54.126 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003328.D
Acq: 23 Jul 2020 19:58

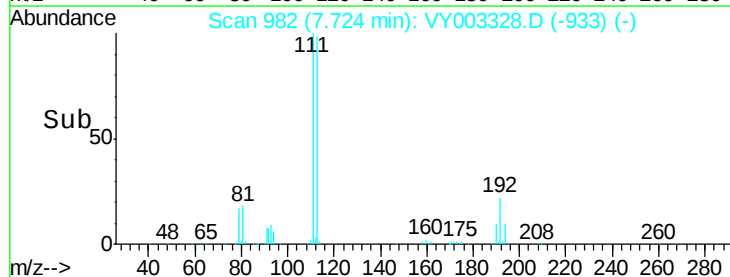
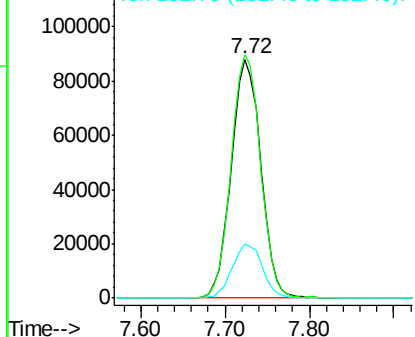
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.1	123.1
192	23.1	18.8	28.2

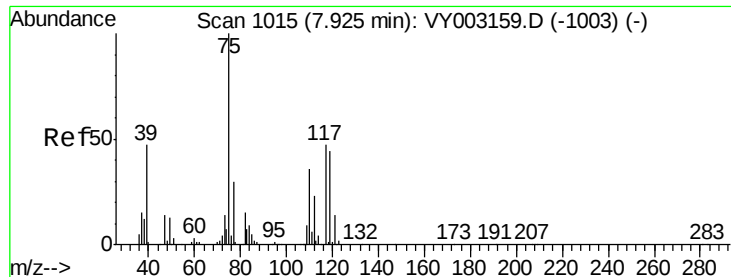


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

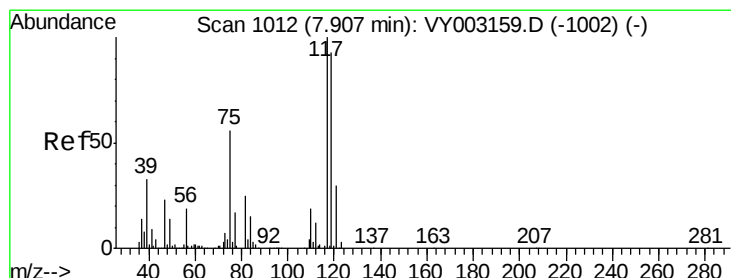
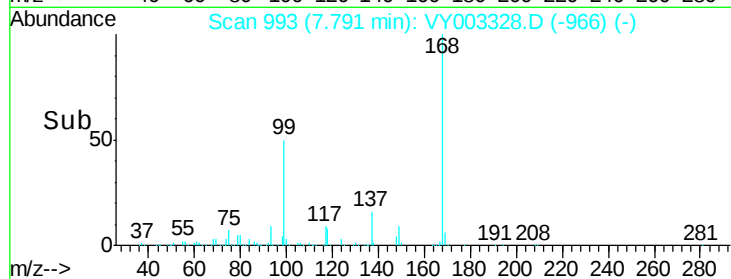
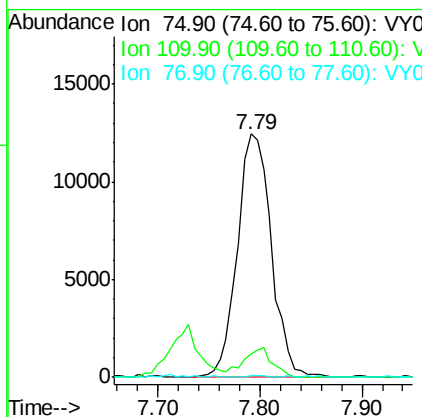
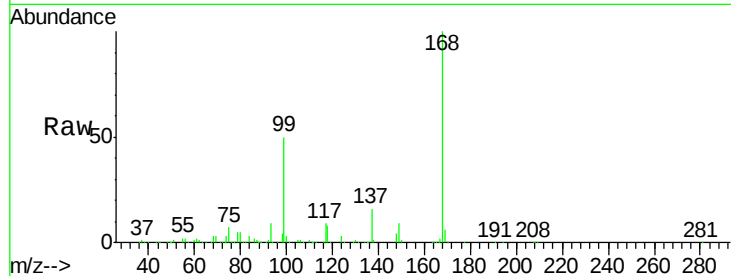




#36
 1,1-Dichloropropene
 Concen: 4.760 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003328.D
 Acq: 23 Jul 2020 19:58

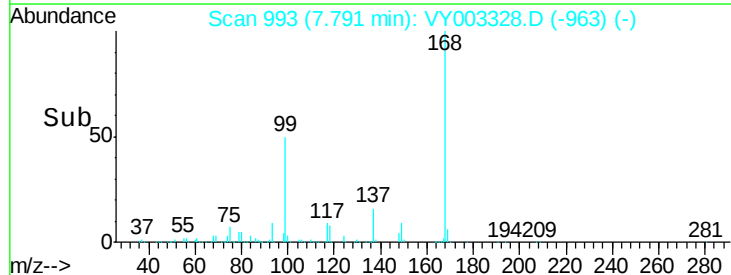
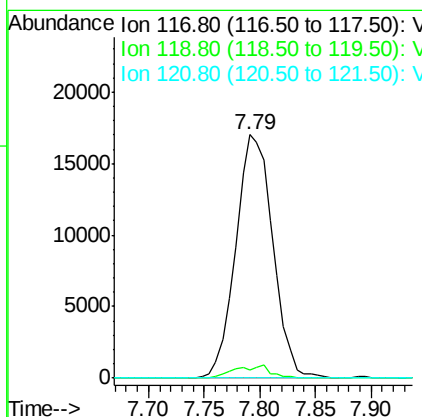
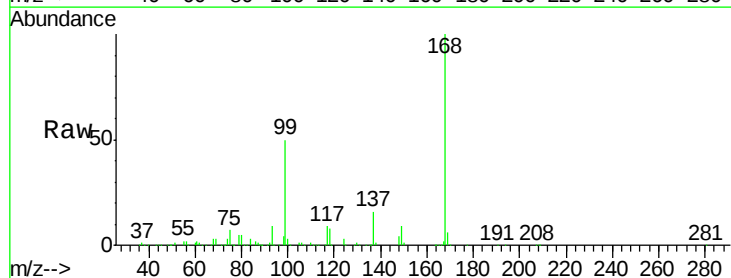
Instrument :
 MSVOA_Y
 ClientSampleId :
 CTR-024

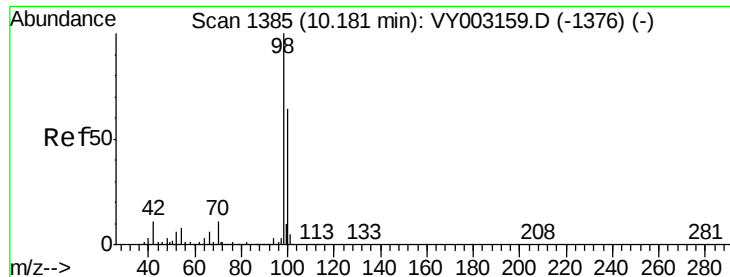
Tot Ion	75	Resp	28851
Ion Ratio	Lower	Upper	
75	100		
110	10.3	18.1	54.1#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.274 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003328.D
 Acq: 23 Jul 2020 19:58

Tgt Ion	117	Resp	39264
Ion Ratio	Lower	Upper	
117	100		
119	3.2	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 56.773 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003328.D

Acq: 23 Jul 2020 19:58

Instrument :

MSVOA_Y

ClientSampleId :

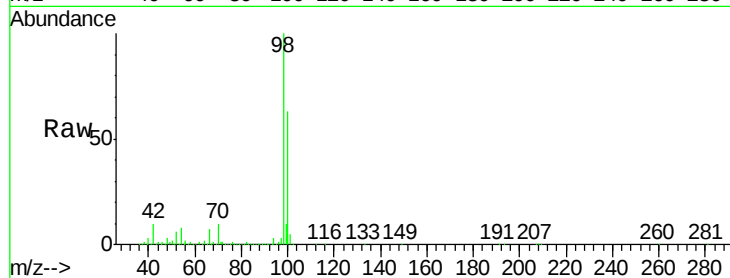
CTR-024

Tot Ion: 98 Resp: 812383

Ion Ratio Lower Upper

98 100

100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

500000

400000

300000

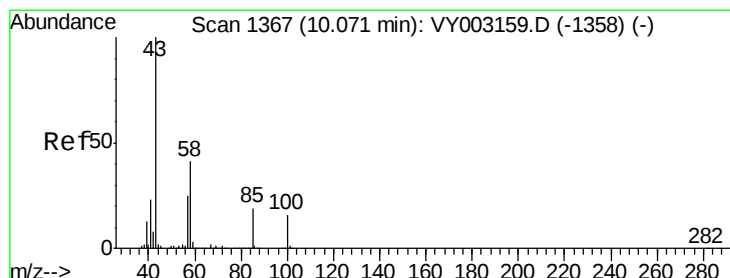
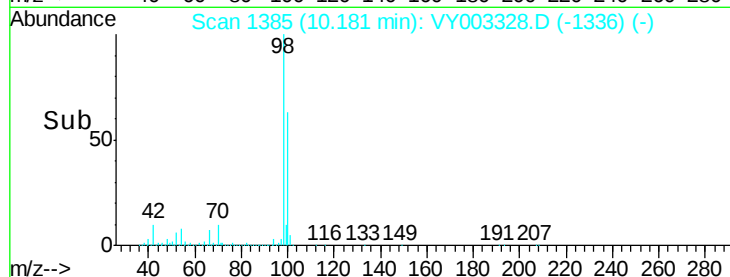
200000

100000

0

Time-->

10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 1.024 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY003328.D

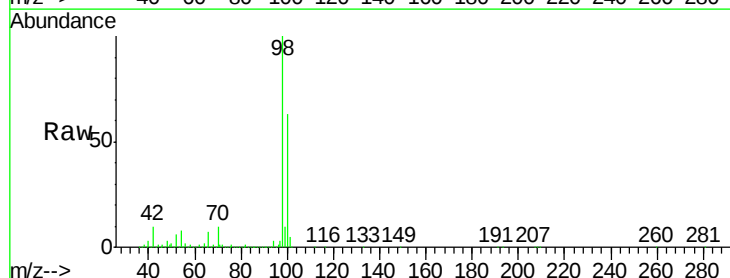
Acq: 23 Jul 2020 19:58

Tgt Ion: 43 Resp: 3364

Ion Ratio Lower Upper

43 100

58 193.2 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

4000

3000

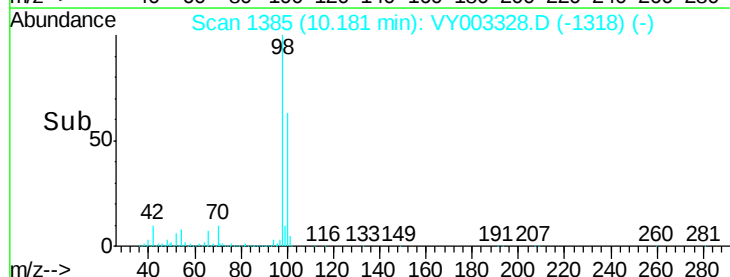
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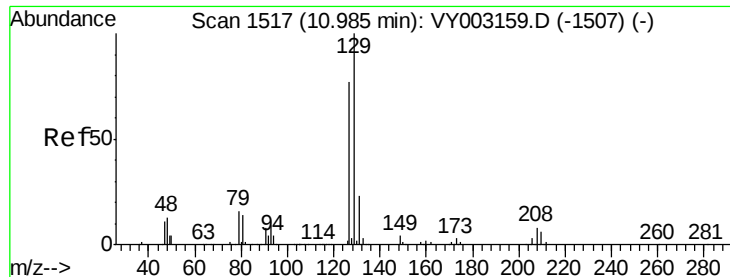
1000

0

Time-->

10.10 10.15 10.20 10.25





#60

Dibromochloromethane

Concen: 5.987 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.27 min

Lab File: VY003328.D

Acq: 23 Jul 2020 19:58

Instrument :

MSVOA_Y

ClientSampleId :

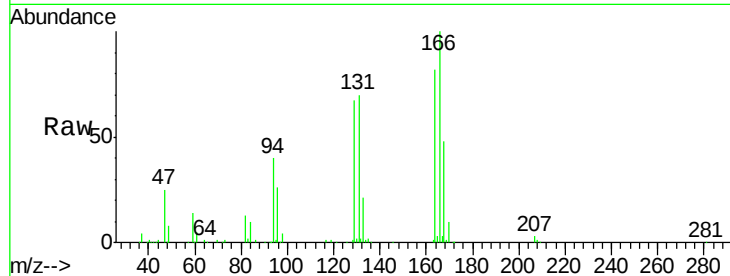
CTR-024

Tot Ion:129 Resp: 26914

Ion Ratio Lower Upper

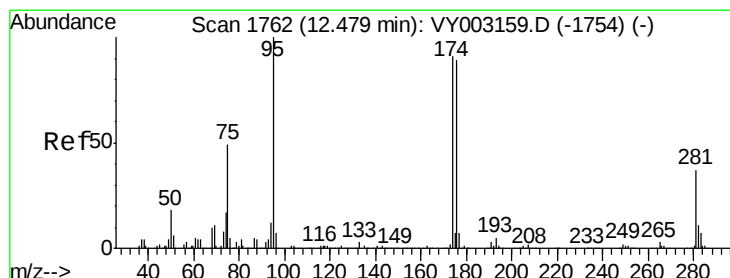
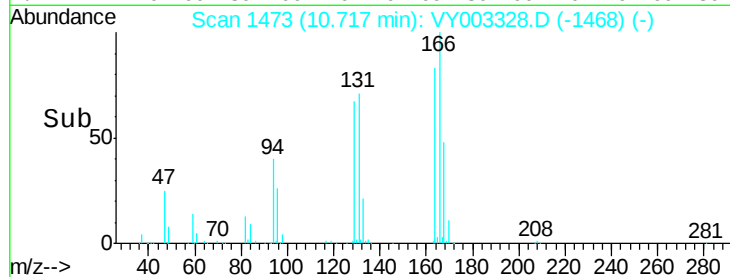
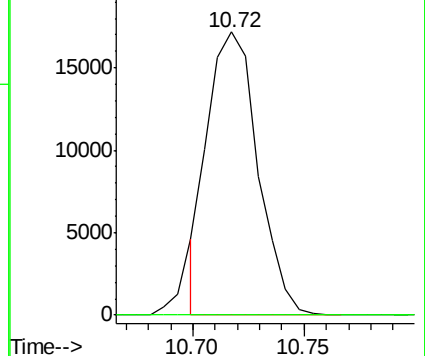
129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.845 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003328.D

Acq: 23 Jul 2020 19:58

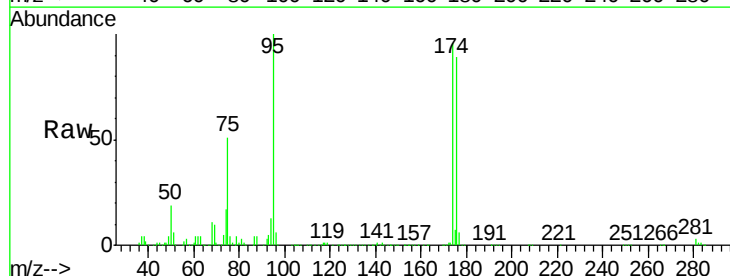
Tgt Ion: 95 Resp: 252501

Ion Ratio Lower Upper

95 100

174 96.7 0.0 190.6

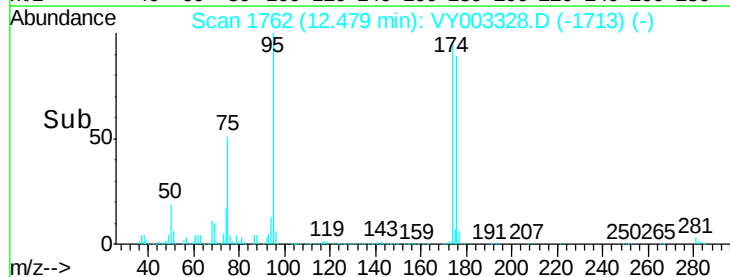
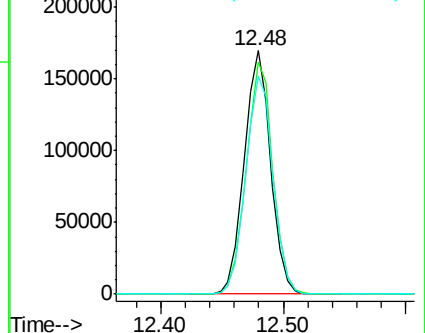
176 92.4 0.0 186.4

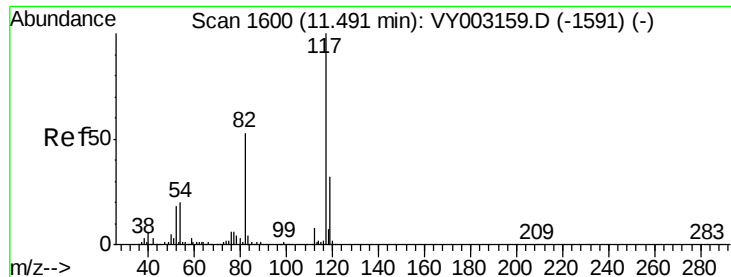


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

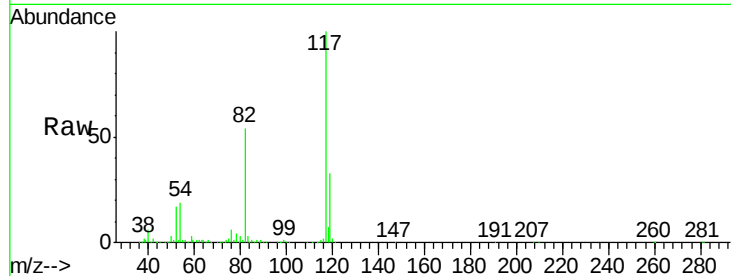




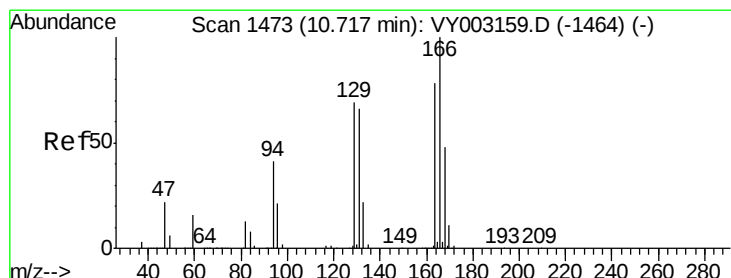
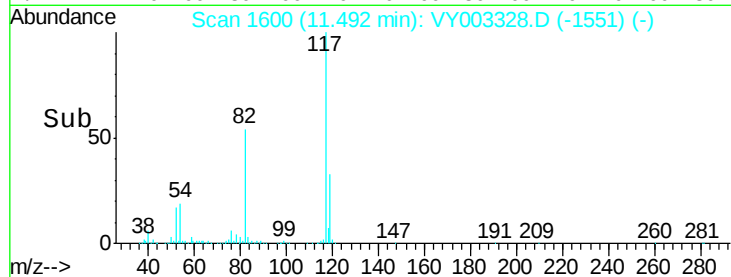
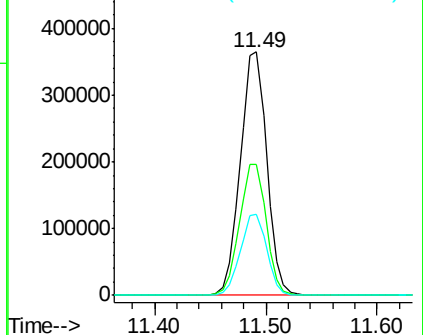
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003328.D
Acq: 23 Jul 2020 19:58

Instrument :
MSVOA_Y
ClientSampleId :
CTR-024

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.0	63.0
119	33.2	25.5	38.3



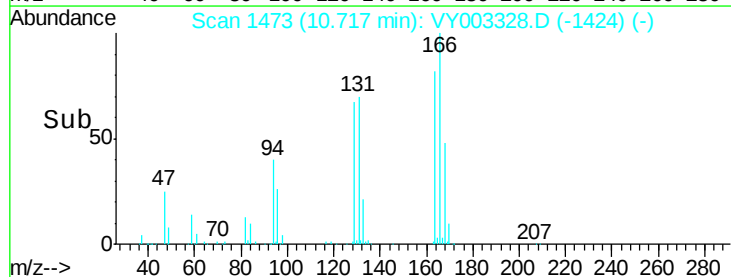
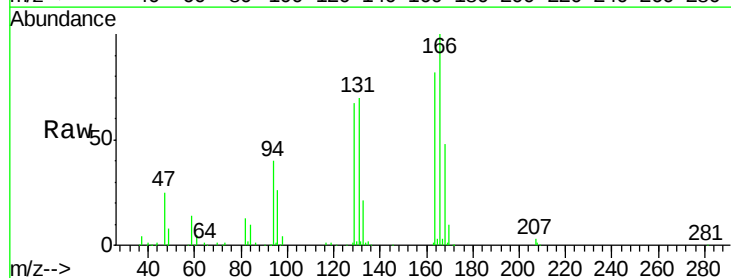
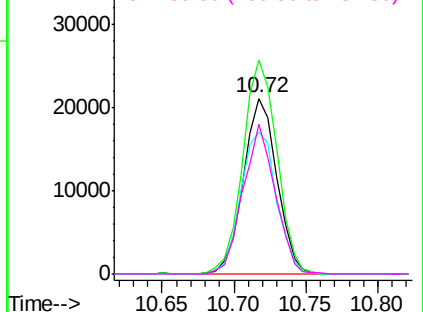
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

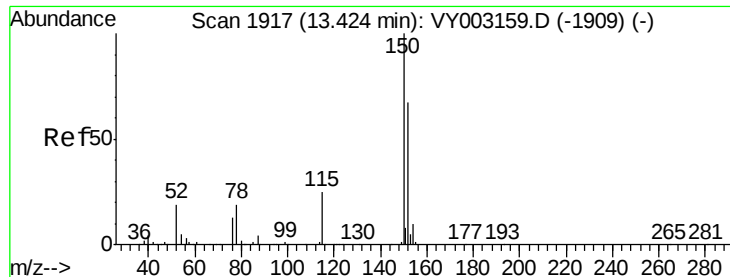


#64
Tetrachloroethene
Concen: 6.351 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003328.D
Acq: 23 Jul 2020 19:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	102.9	154.3
129	81.1	71.4	107.2
131	85.5	68.1	102.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VY003328.D

Acq: 23 Jul 2020 19:58

Instrument :

MSVOA_Y

ClientSampleId :

CTR-024

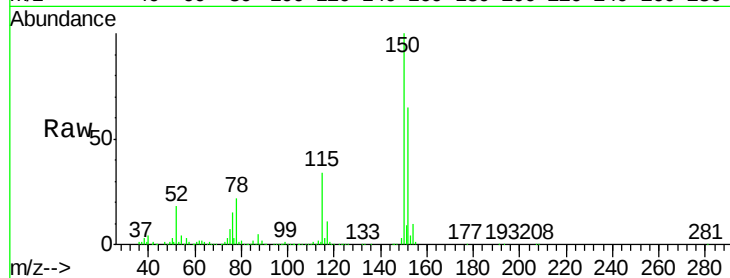
Tot Ion:152 Resp: 274115

Ion Ratio Lower Upper

152 100

115 54.1 26.9 80.7

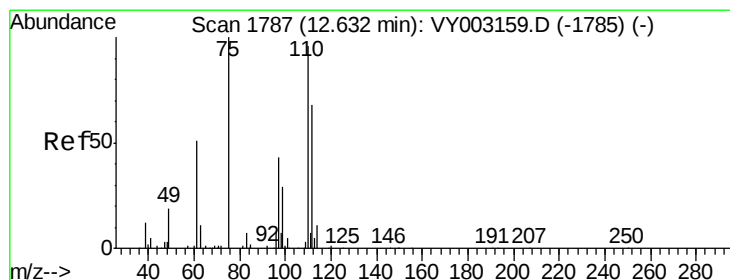
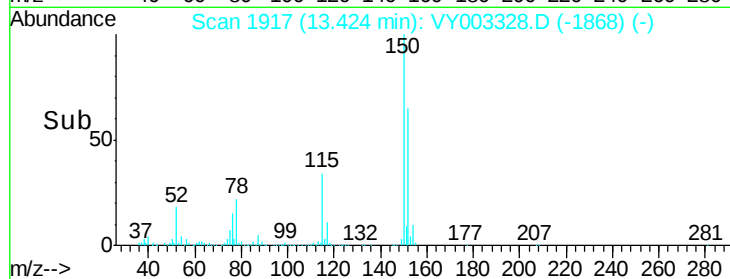
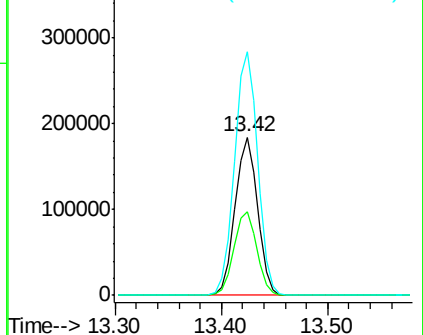
150 157.9 0.0 338.0



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: 52.395 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003328.D

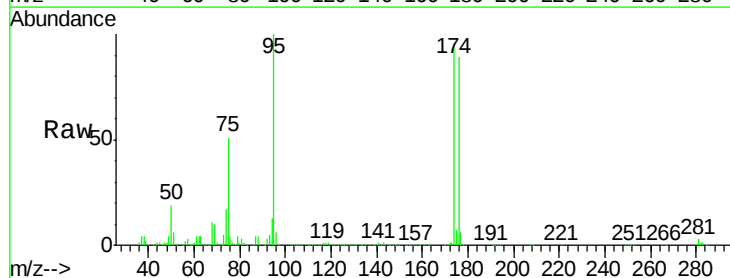
Acq: 23 Jul 2020 19:58

Tgt Ion: 75 Resp: 127130

Ion Ratio Lower Upper

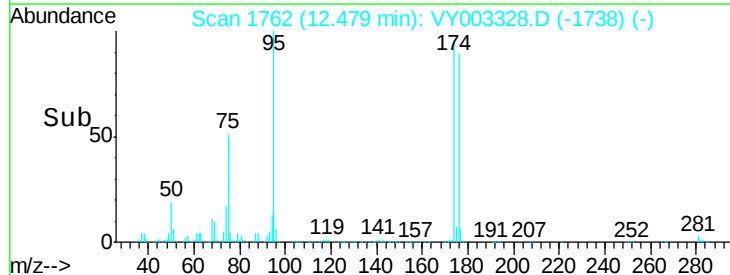
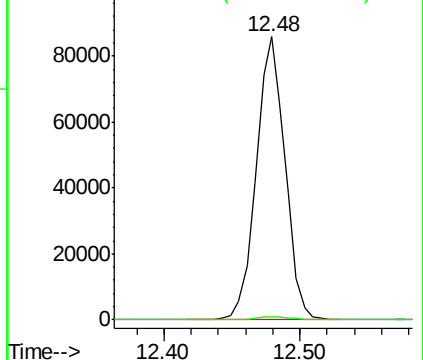
75 100

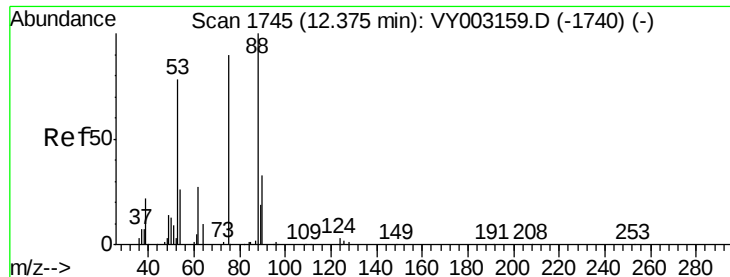
77 1.5 0.0 0.0#



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: 101.970 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003328.D

Acq: 23 Jul 2020 19:58

Instrument :

MSVOA_Y

ClientSampleId :

CTR-024

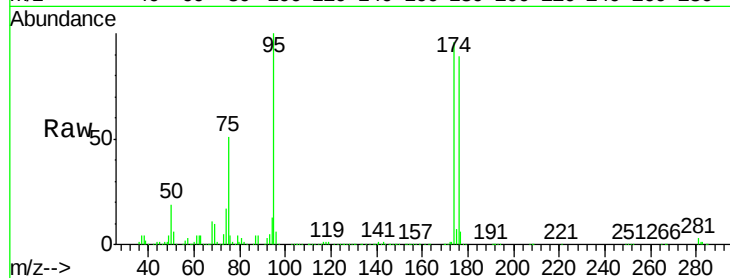
Tot Ion: 75 Resp: 127130

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 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

