

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003173.D
 Acq On : 10 Jul 2020 19:06
 Operator : SY/MD
 Sample : L3259-01RE
 Misc : 3.74G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T-2-DRUMRE

Quant Time: Jul 11 06:03:40 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	385166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	546257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	360764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	105876	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	149031	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
35) Dibromofluoromethane	7.72	113	165826	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
50) Toluene-d8	10.18	98	572576	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.48	95	127521	30.20	ug/l	0.00
Spiked Amount			Recovery	=	60.40%	

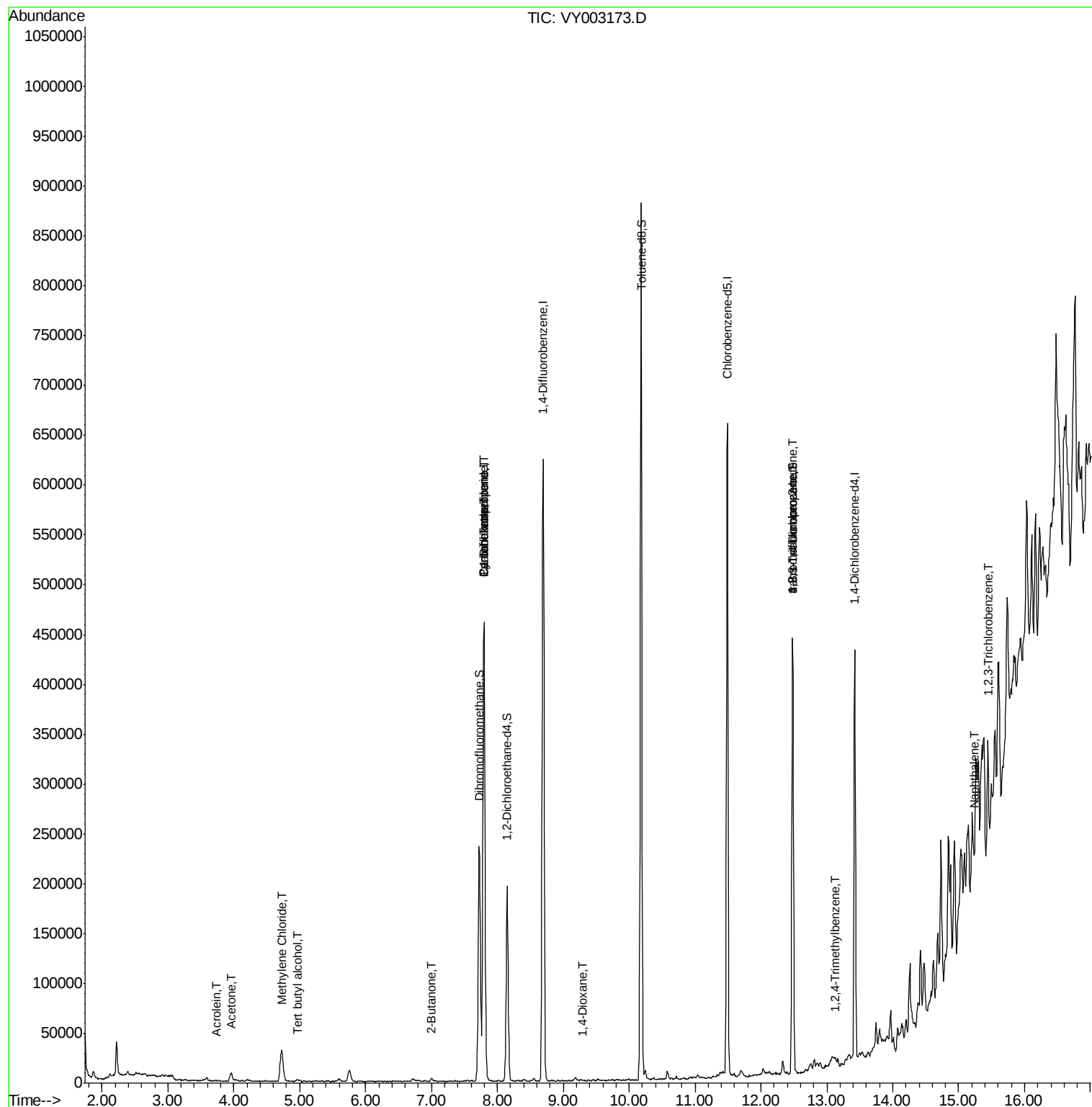
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	2948	8.386	ug/l	97
13) Acrolein	3.74	56	477	1.563	ug/l #	71
16) Acetone	3.96	43	14183	19.531	ug/l	94
20) Methylene Chloride	4.73	84	24788	1.448	ug/l	98
25) 2-Butanone	7.00	43	4497	3.772	ug/l	99
31) Cyclohexane	7.80	56	6686	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	26223	5.297	ug/l #	49
38) Carbon Tetrachloride	7.80	117	33935	6.639	ug/l #	16
49) 1,4-Dioxane	9.30	88	174	6.655	ug/l #	48
76) 1,2,3-Trichloropropane	12.48	75	64800	69.143	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	64800	134.566	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.13	105	6280	1.110	ug/l	79
95) Naphthalene	15.23	128	22023	6.563	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.44	180	10829	6.747	ug/l #	11

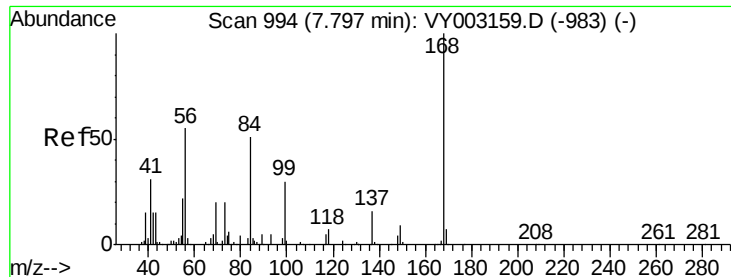
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003173.D

Acq: 10 Jul 2020 19:06

Instrument :

MSVOA_Y

ClientSampleId :

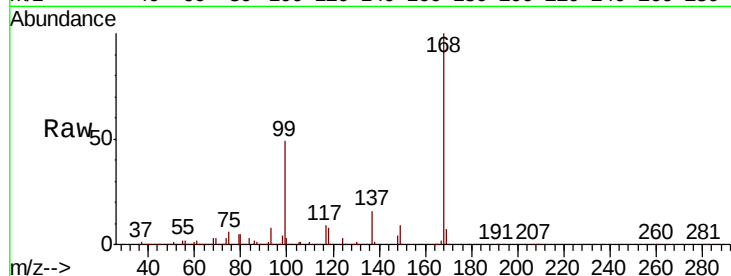
T-2-DRUMRE

Tot Ion:168 Resp: 385166

Ion Ratio Lower Upper

168 100

99 49.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

150000

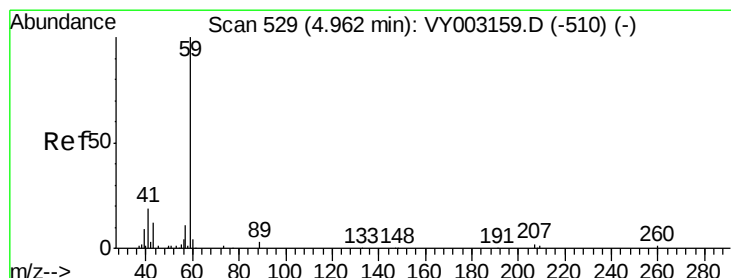
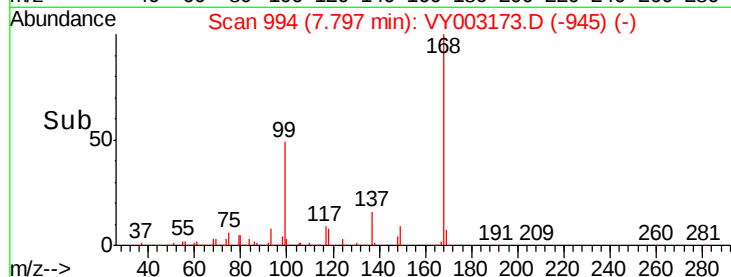
100000

50000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 8.386 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003173.D

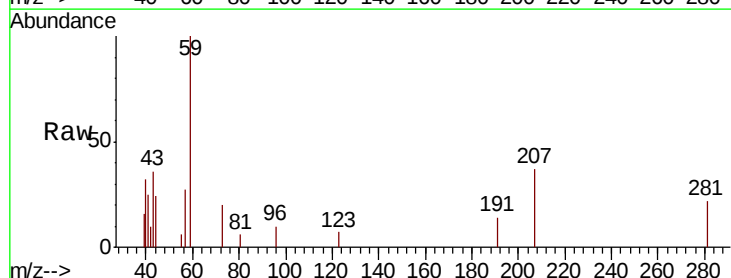
Acq: 10 Jul 2020 19:06

Tgt Ion: 59 Resp: 2948

Ion Ratio Lower Upper

59 100

57 9.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.96

1200

1000

800

600

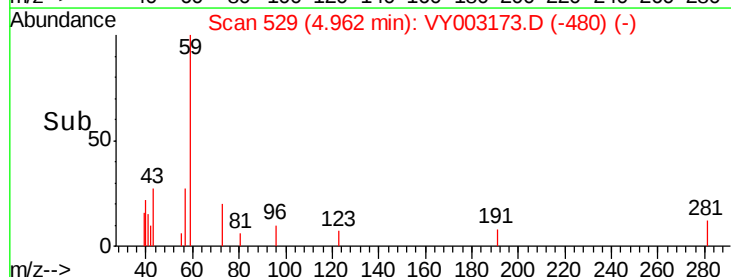
400

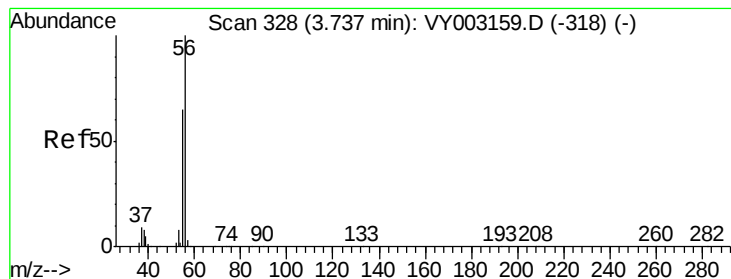
200

0

Time-->

4.85 4.90 4.95 5.00





#13

Acrolein

Concen: 1.563 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003173.D

Acq: 10 Jul 2020 19:06

Instrument :

MSVOA_Y

ClientSampleId :

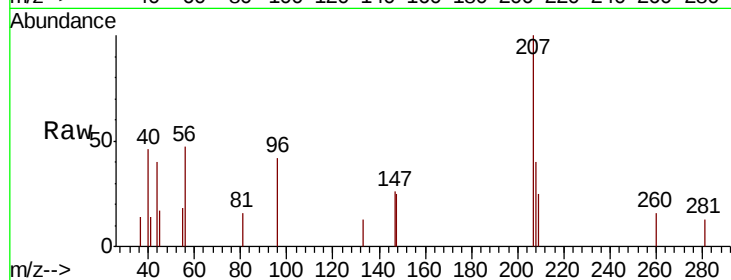
T-2-DRUMRE

Tot Ion: 56 Resp: 477

Ion Ratio Lower Upper

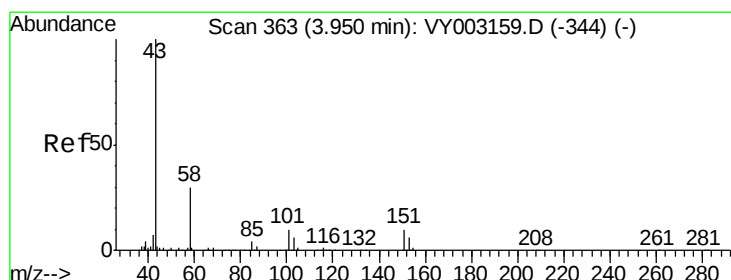
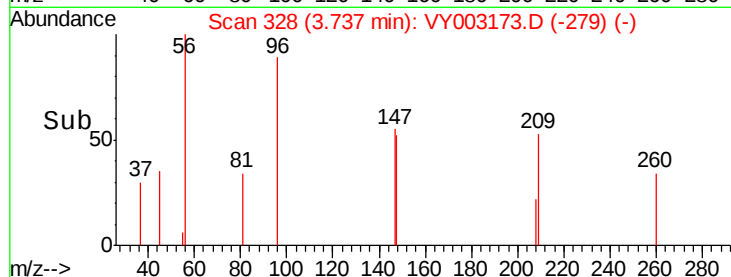
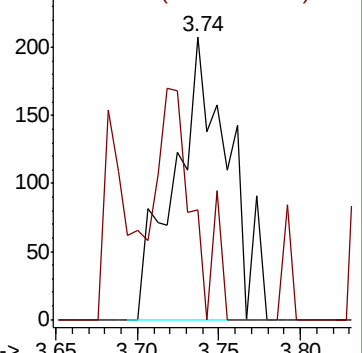
56 100

55 46.3 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 19.531 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003173.D

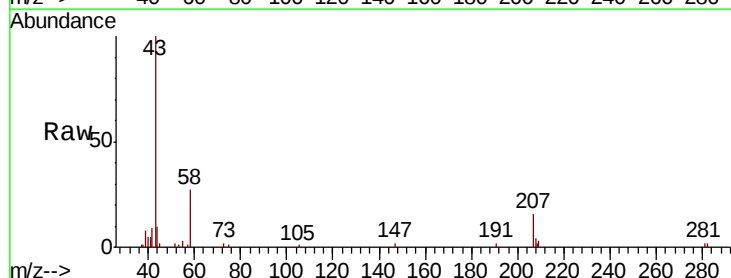
Acq: 10 Jul 2020 19:06

Tgt Ion: 43 Resp: 14183

Ion Ratio Lower Upper

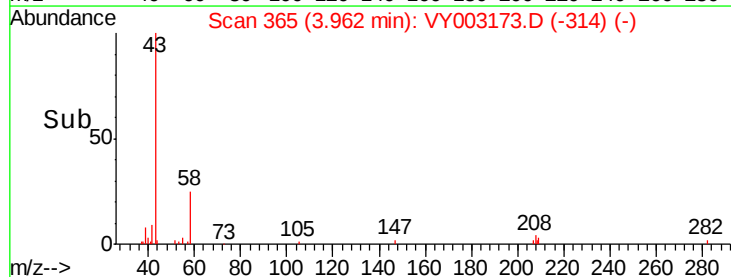
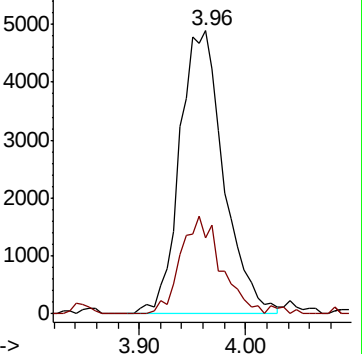
43 100

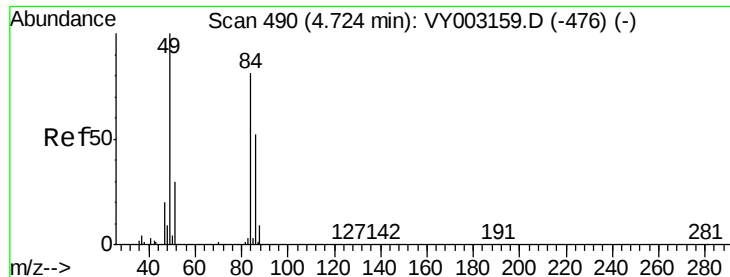
58 26.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

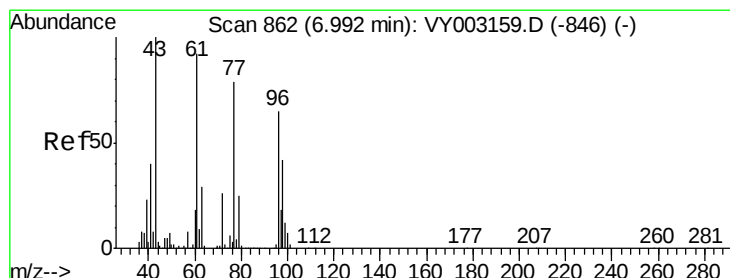
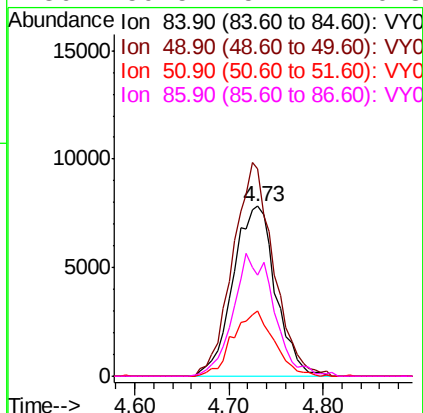
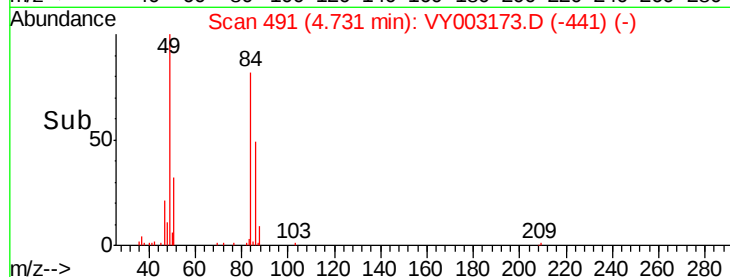
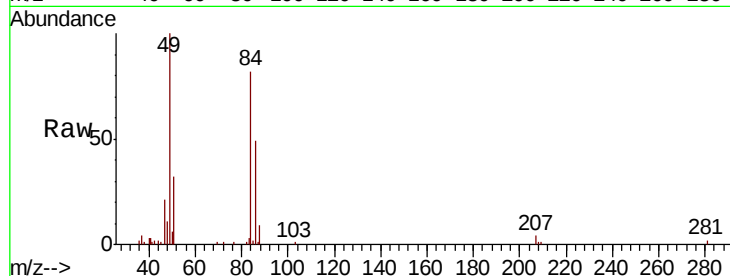




#20
Methvlene Chloride
Concen: 1.448 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003173.D
Acq: 10 Jul 2020 19:06

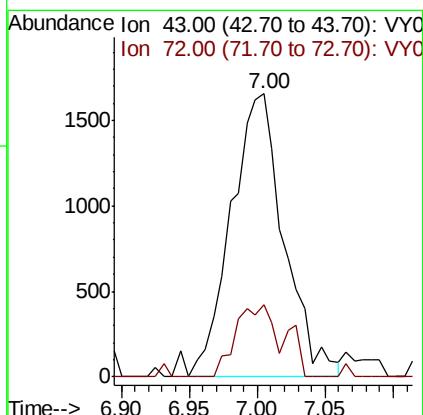
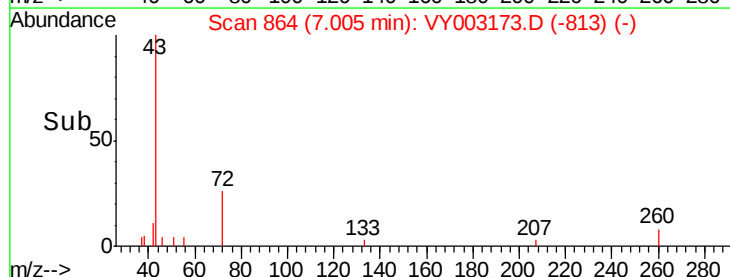
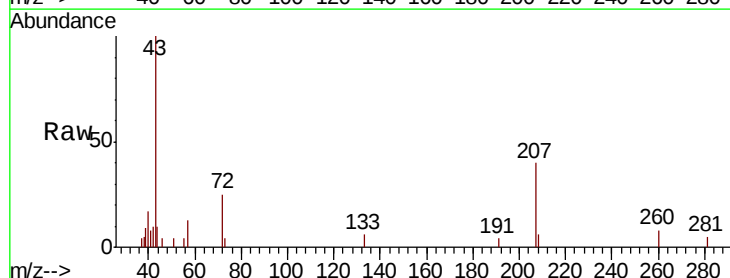
Instrument :
MSVOA_Y
ClientSampleId :
T-2-DRUMRE

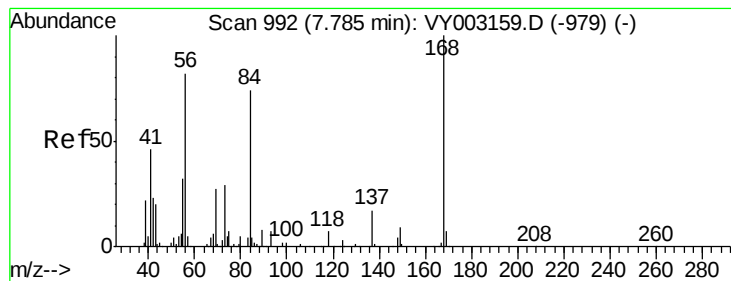
Tot Ion: 84 Resp: 24788
Ion Ratio Lower Upper
84 100
49 122.5 98.2 147.4
51 38.7 29.8 44.6
86 59.5 51.2 76.8



#25
2-Butanone
Concen: 3.772 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003173.D
Acq: 10 Jul 2020 19:06

Tgt Ion: 43 Resp: 4497
Ion Ratio Lower Upper
43 100
72 25.4 20.9 31.3





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003173.D

Acq: 10 Jul 2020 19:06

Instrument :

MSVOA_Y

ClientSampleId :

T-2-DRUMRE

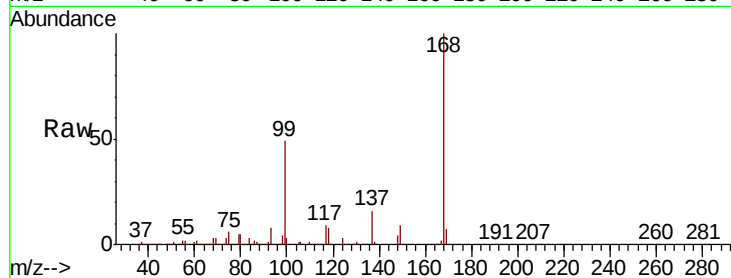
Tot Ion: 56 Resp: 6686

Ion Ratio Lower Upper

56 100

69 178.0 26.7 40.1#

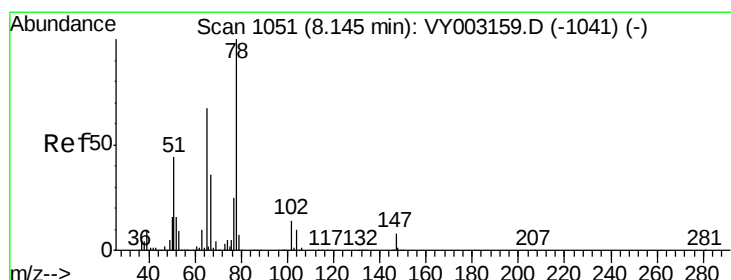
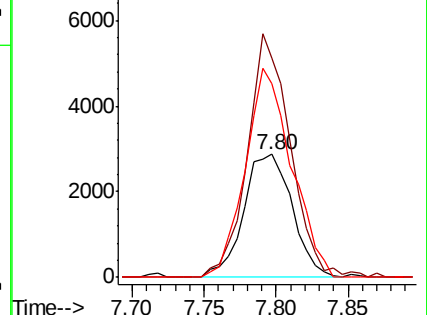
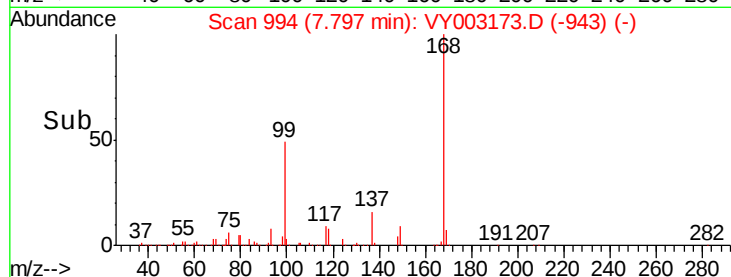
84 157.5 72.3 108.5#



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: 45.843 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003173.D

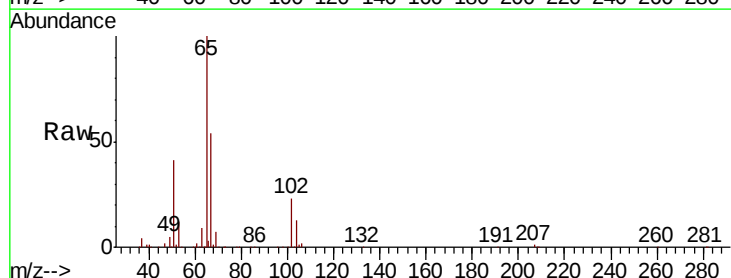
Acq: 10 Jul 2020 19:06

Tgt Ion: 65 Resp: 149031

Ion Ratio Lower Upper

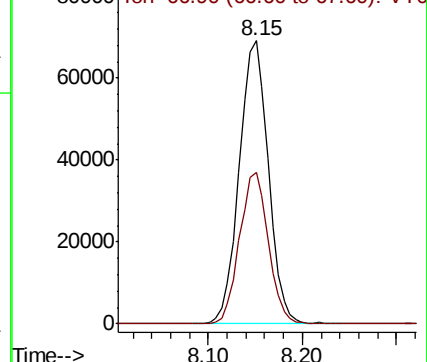
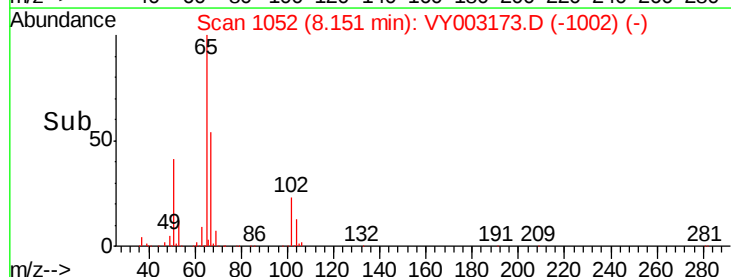
65 100

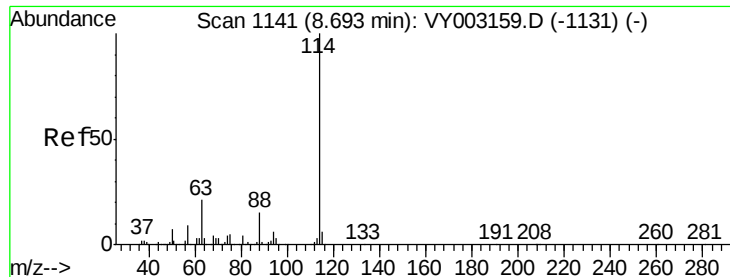
67 52.9 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

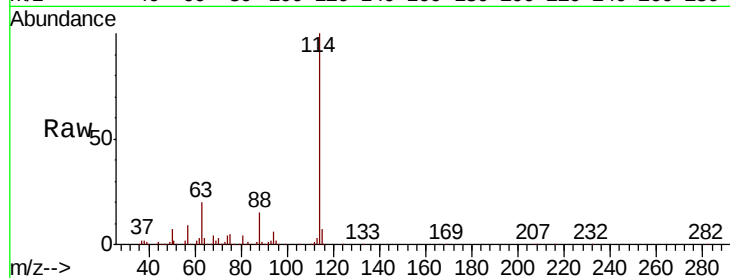




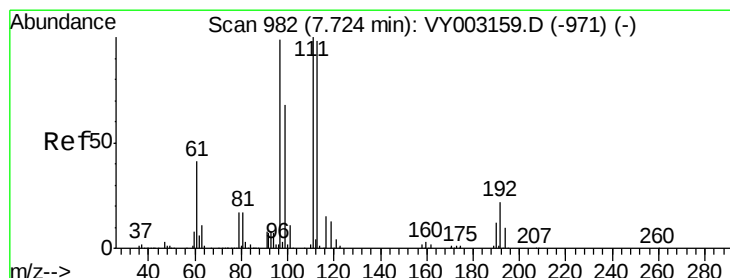
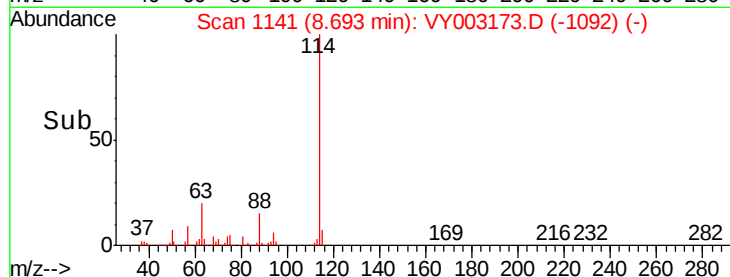
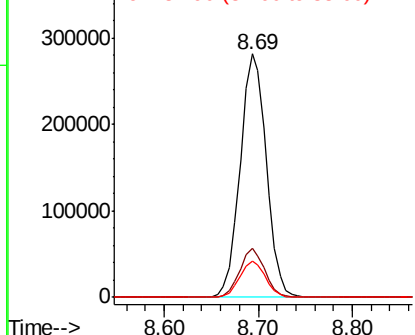
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003173.D
 Acq: 10 Jul 2020 19:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 T-2-DRUMRE

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.2
88	14.9	0.0	30.2

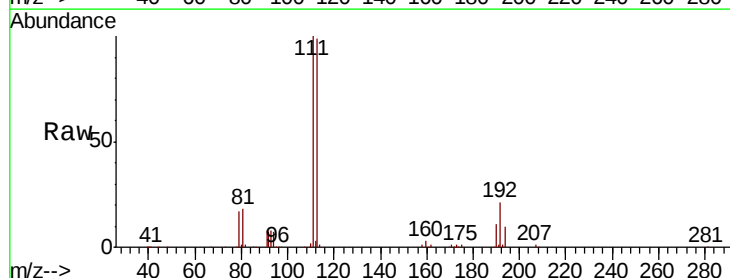


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

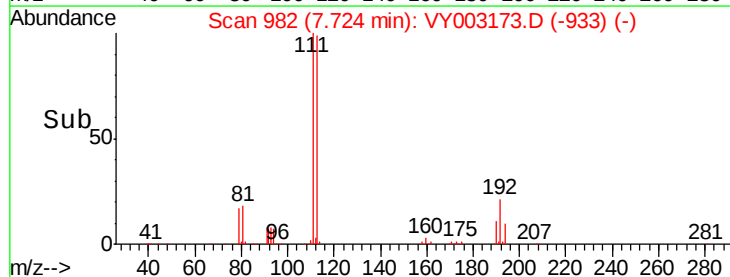
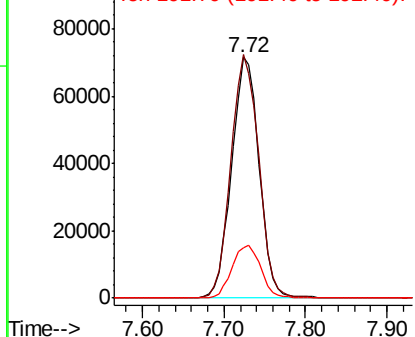


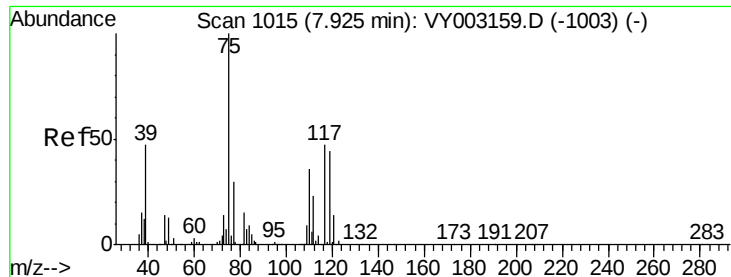
#35
 Dibromofluoromethane
 Concen: 52.751 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003173.D
 Acq: 10 Jul 2020 19:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.1	123.1
192	23.0	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

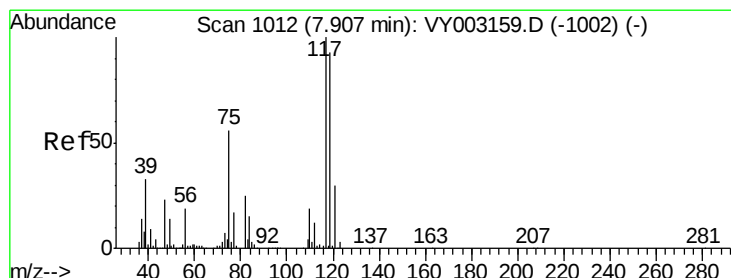
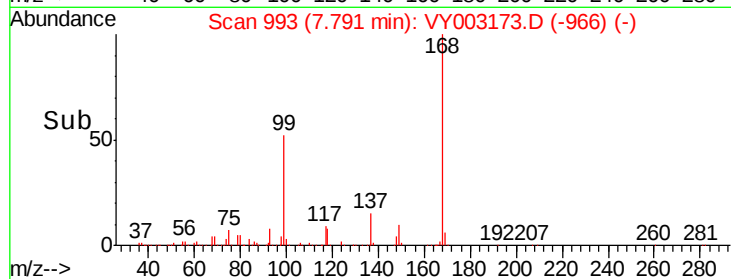
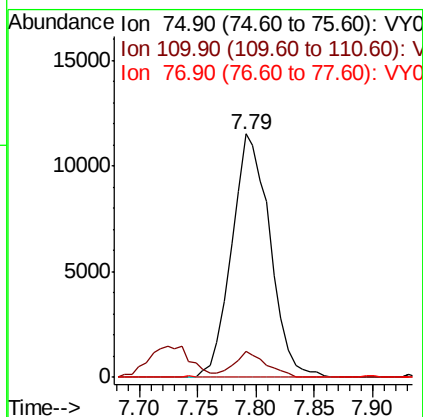
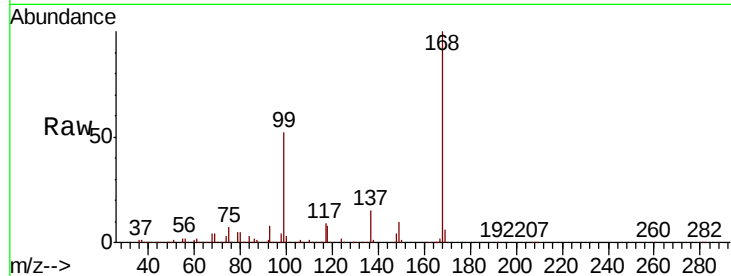




#36
 1,1-Dichloropropene
 Concen: 5.297 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003173.D
 Acq: 10 Jul 2020 19:06

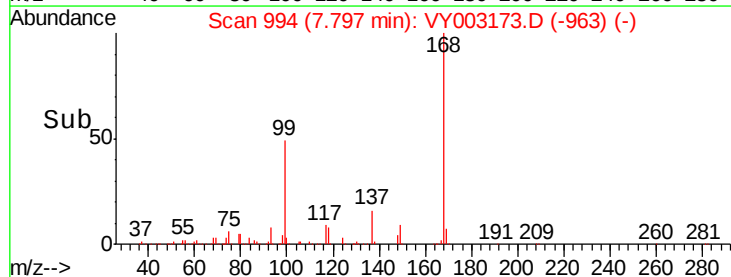
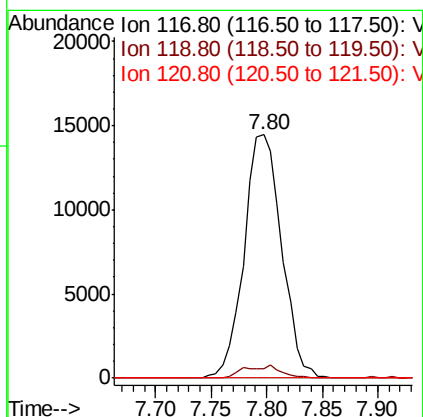
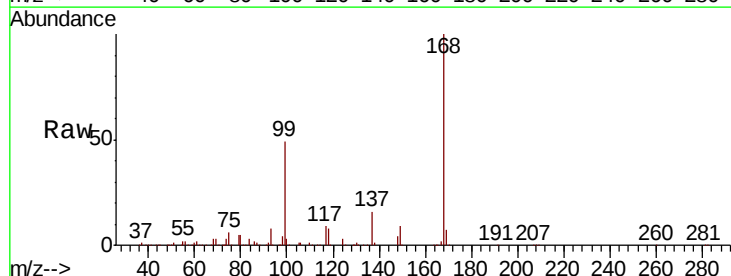
Instrument :
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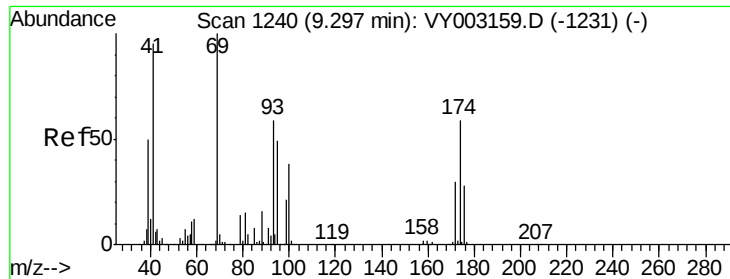
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.639 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003173.D
 Acq: 10 Jul 2020 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	74.5	111.7#
121	0.0	24.2	36.2#

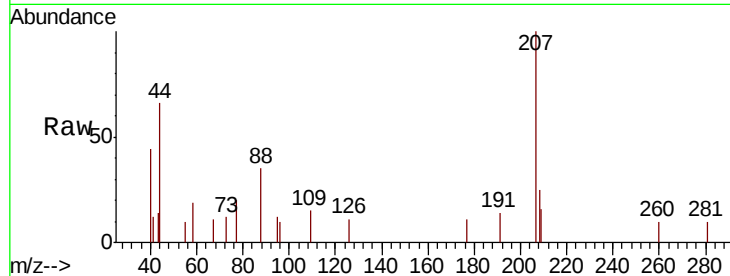




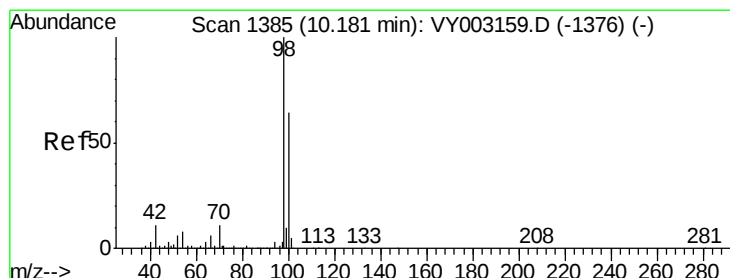
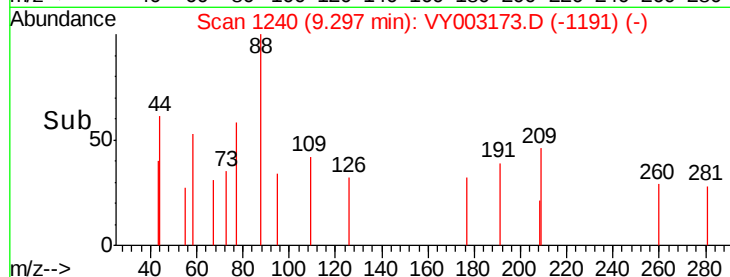
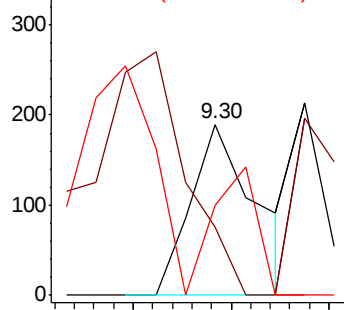
#49
 1,4-Dioxane
 Concen: 6.655 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VY003173.D
 Acq: 10 Jul 2020 19:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 T-2-DRUMRE

Tot Ion: 88 Resp: 174
 Ion Ratio Lower Upper
 88 100
 43 104.0 25.6 38.4#
 58 51.1 47.8 71.6

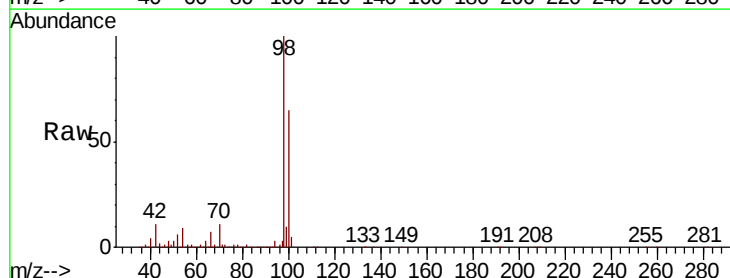


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

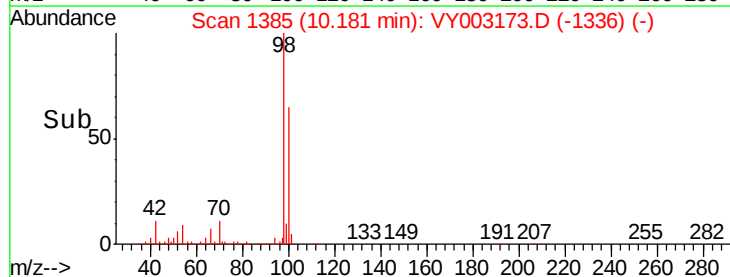
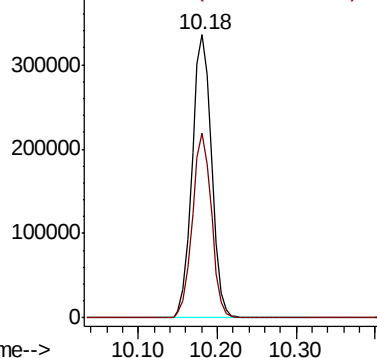


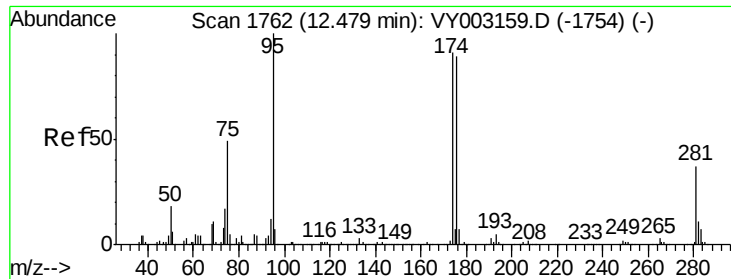
#50
 Toluene-d8
 Concen: 48.991 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003173.D
 Acq: 10 Jul 2020 19:06

Tgt Ion: 98 Resp: 572576
 Ion Ratio Lower Upper
 98 100
 100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0

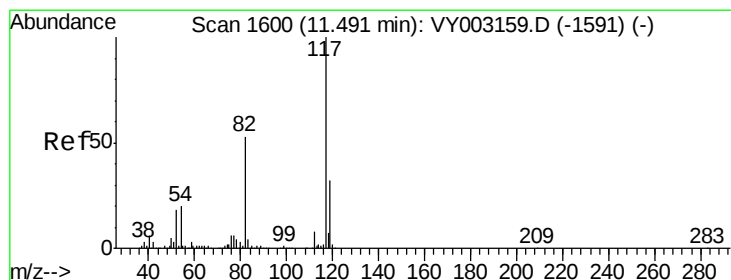
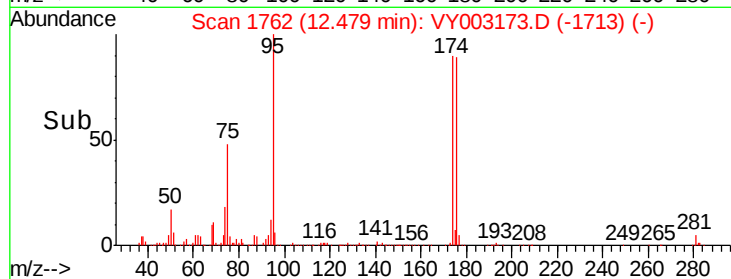
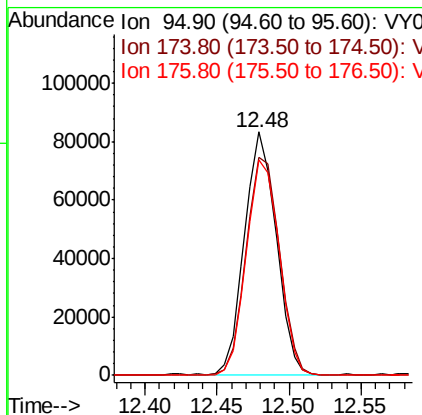
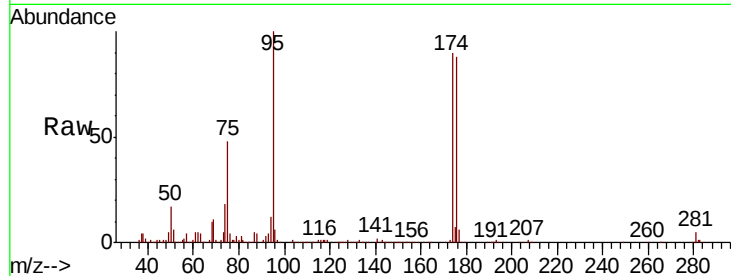




#62
4-Bromofluorobenzene
Concen: 30.203 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003173.D
Acq: 10 Jul 2020 19:06

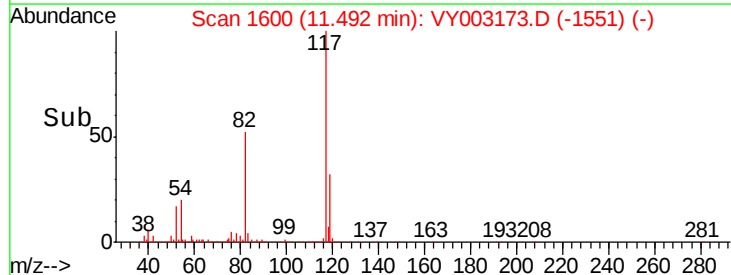
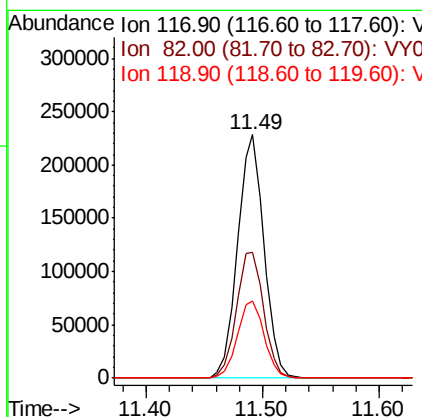
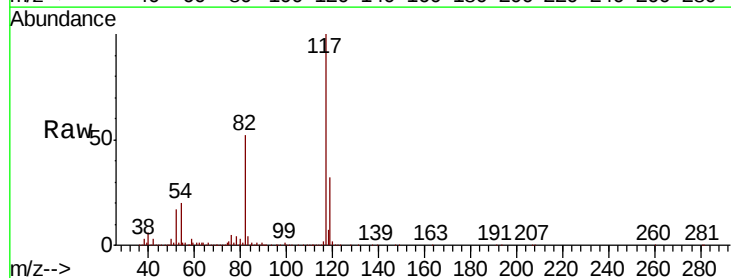
Instrument :
MSVOA_Y
ClientSampleId :
T-2-DRUMRE

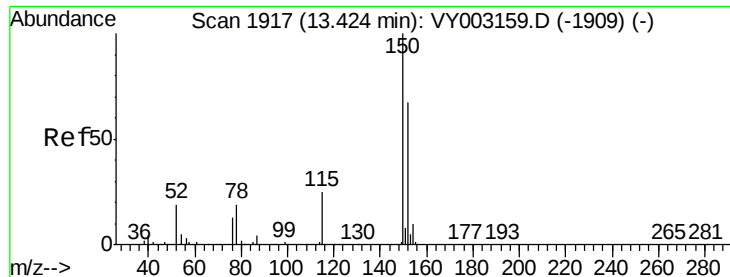
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	190.6
176	91.2	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003173.D
Acq: 10 Jul 2020 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.0	63.0
119	31.8	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003173.D

Acq: 10 Jul 2020 19:06

Instrument :

MSVOA_Y

ClientSampleId :

T-2-DRUMRE

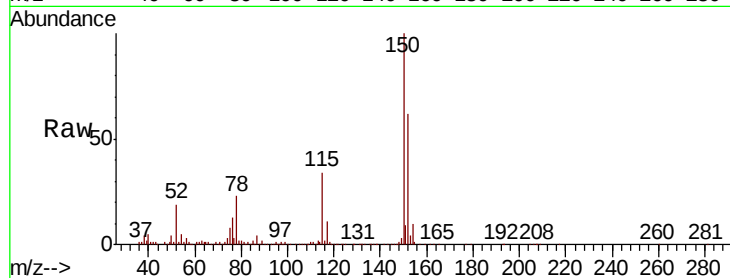
Tot Ion:152 Resp: 105876

Ion Ratio Lower Upper

152 100

115 54.9 26.9 80.7

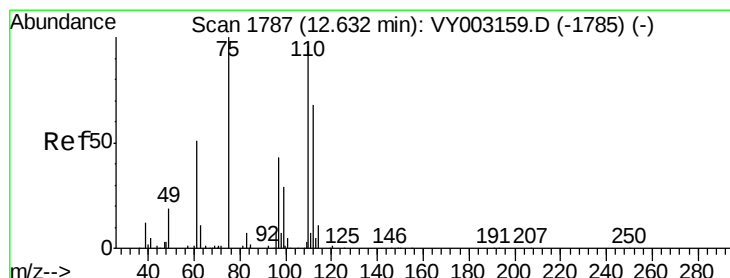
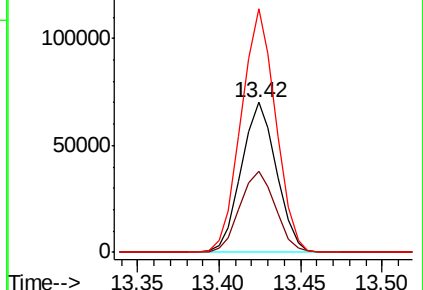
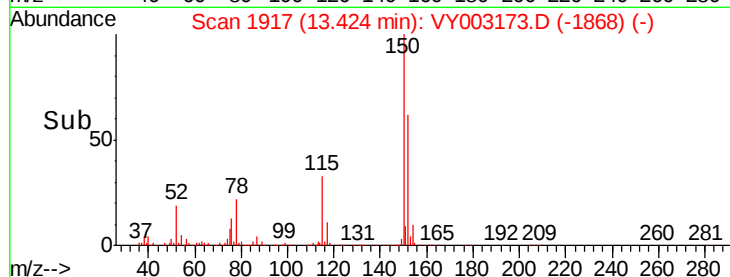
150 159.1 0.0 338.0



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: 69.143 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003173.D

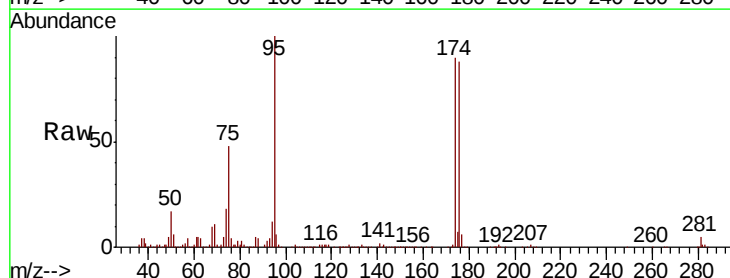
Acq: 10 Jul 2020 19:06

Tgt Ion: 75 Resp: 64800

Ion Ratio Lower Upper

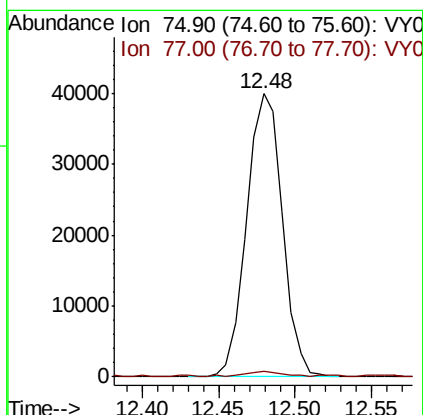
75 100

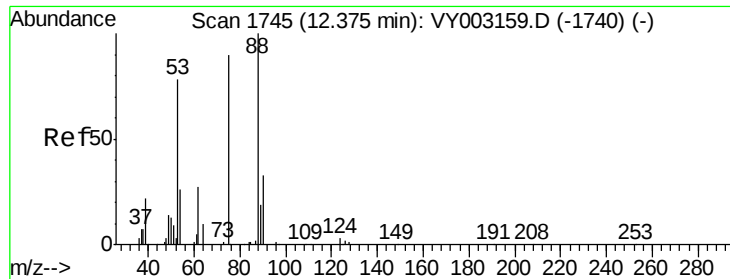
77 2.4 0.0 0.0#



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: 134.566 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003173.D

Acq: 10 Jul 2020 19:06

Instrument :

MSVOA_Y

ClientSampleId :

T-2-DRUMRE

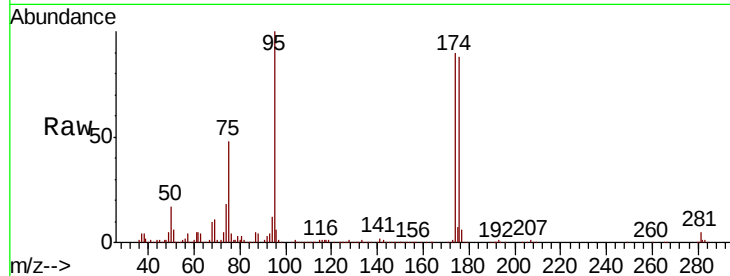
Tot Ion: 75 Resp: 64800

Ion Ratio Lower Upper

75 100

53 0.4 72.0 108.0#

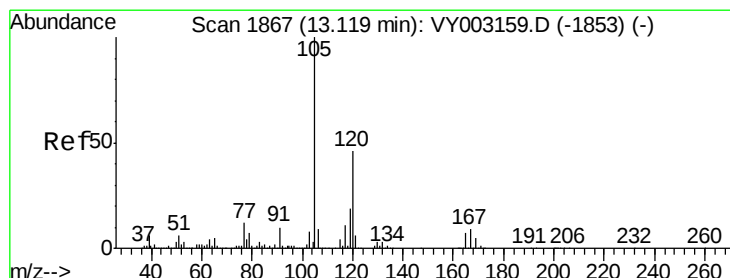
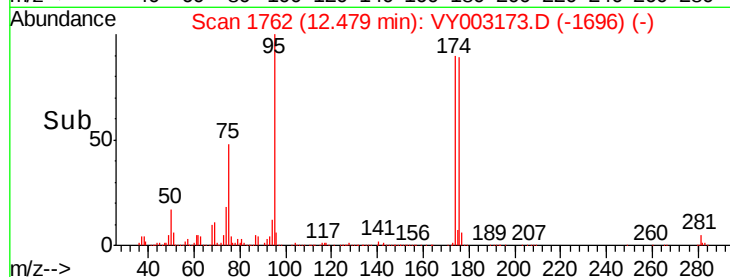
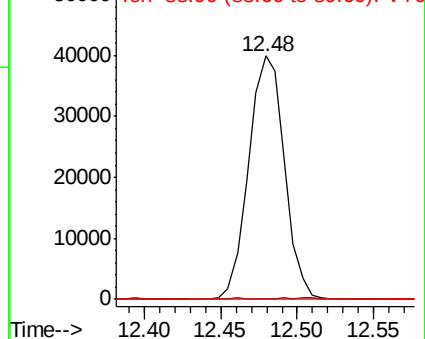
89 0.0 37.3 55.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.110 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. 0.01 min

Lab File: VY003173.D

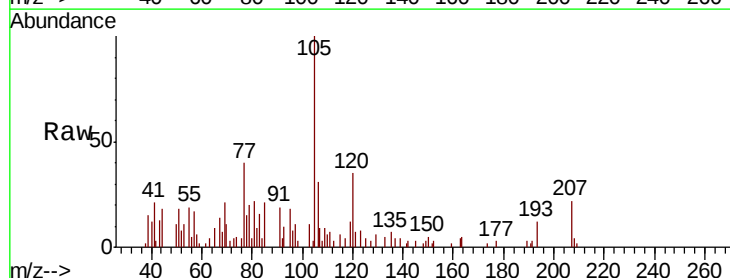
Acq: 10 Jul 2020 19:06

Tgt Ion:105 Resp: 6280

Ion Ratio Lower Upper

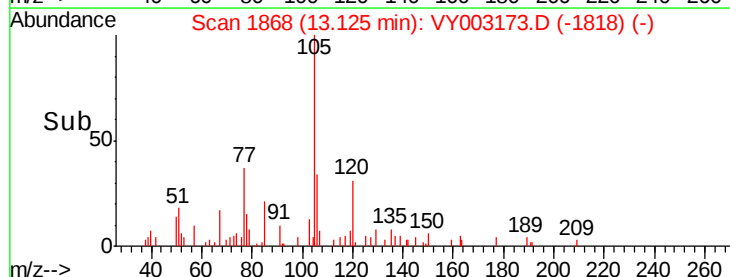
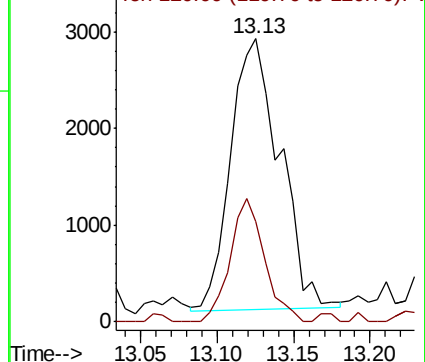
105 100

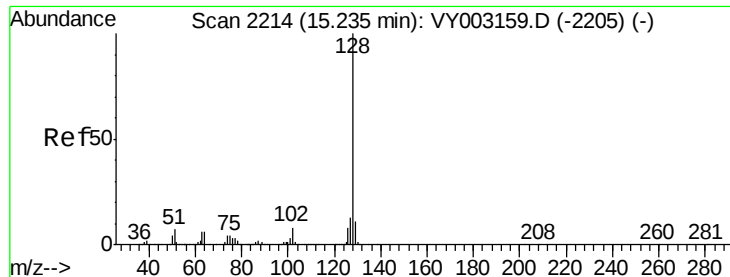
120 31.6 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

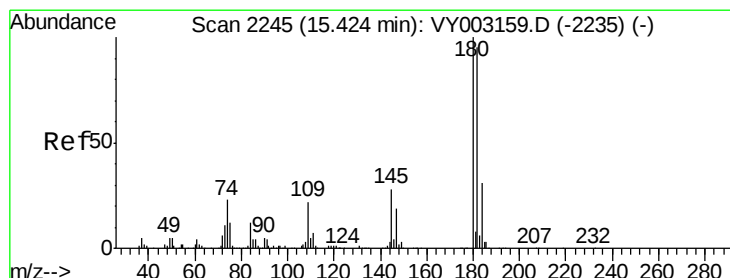
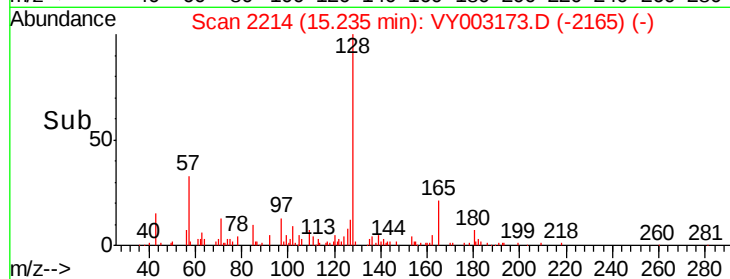
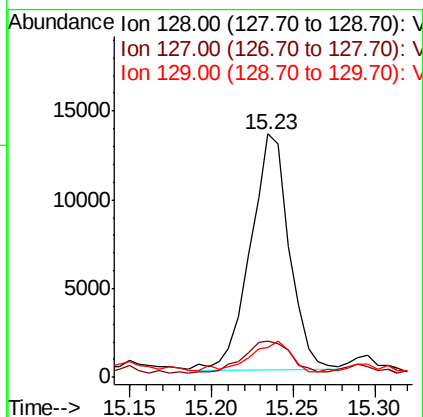
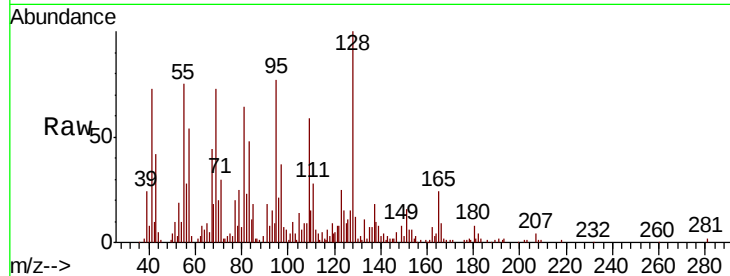




#95
Naphthalene
Concen: 6.563 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003173.D
Acq: 10 Jul 2020 19:06

Instrument :
MSVOA_Y
ClientSampleId :
T-2-DRUMRE

Tot Ion:128 Resp: 22023
Ion Ratio Lower Upper
128 100
127 16.3 10.9 16.3#
129 14.0 9.0 13.6#



#96
1,2,3-Trichlorobenzene
Concen: 6.747 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.02 min
Lab File: VY003173.D
Acq: 10 Jul 2020 19:06

Tgt Ion:180 Resp: 10829
Ion Ratio Lower Upper
180 100
182 0.0 48.8 146.3#
145 0.0 14.9 44.5#

