

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003279.D
 Acq On : 22 Jul 2020 11:23
 Operator : SY/MD
 Sample : VY0722SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

Quant Time: Jul 23 05:40:40 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	419655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	650393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	609698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	296980	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	212797	60.08	ug/l	0.00
Spiked Amount			Recovery	=	120.16%	
35) Dibromofluoromethane	7.72	113	203900	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
50) Toluene-d8	10.18	98	786302	56.51	ug/l	0.00
Spiked Amount			Recovery	=	113.02%	
62) 4-Bromofluorobenzene	12.48	95	258908	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	

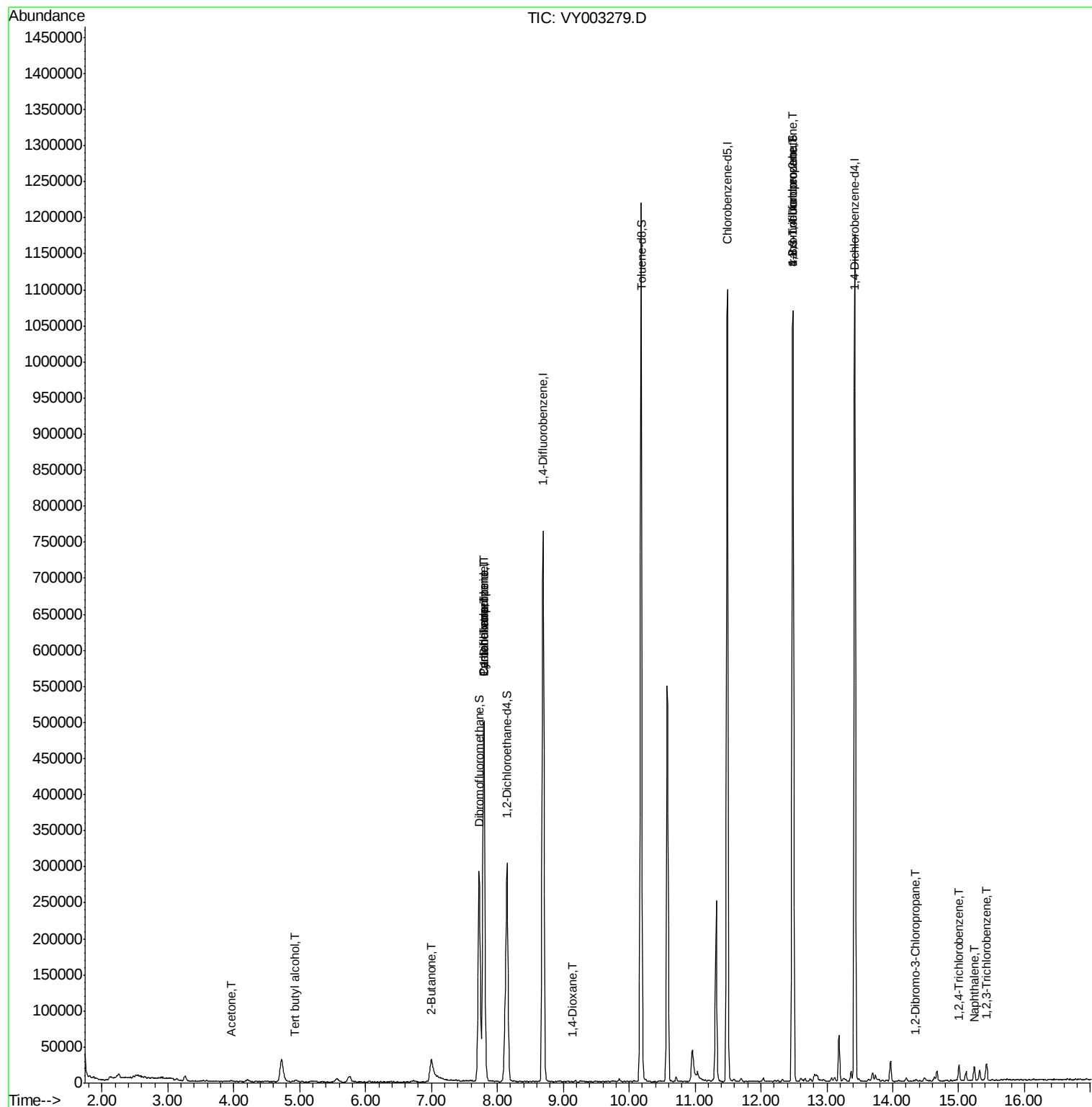
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.93	59	1132	2.956	ug/l #	87
16) Acetone	3.96	43	2456	3.104	ug/l	96
25) 2-Butanone	7.00	43	2571	1.979	ug/l #	69
31) Cyclohexane	7.79	56	7395	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	30300	5.140	ug/l #	49
38) Carbon Tetrachloride	7.80	117	36991	6.079	ug/l #	17
49) 1,4-Dioxane	9.15	88	38	1.221	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	133859	50.921	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	133859	99.101	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.35	75	809	1.365	ug/l	72
93) 1,2,4-Trichlorobenzene	15.01	180	6379	1.120	ug/l	94
95) Naphthalene	15.23	128	14903	1.583	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	8142	1.808	ug/l	98

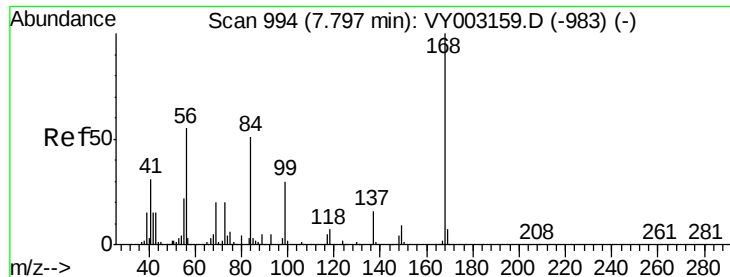
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VY003279.D

Acq: 22 Jul 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

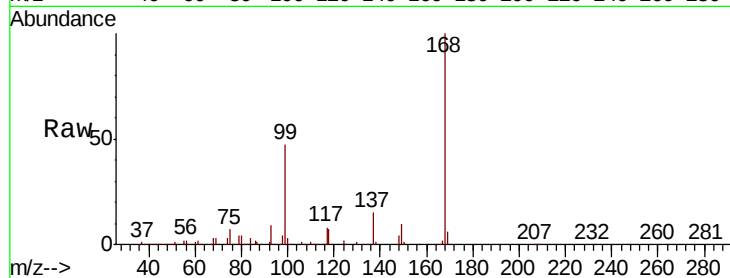
VY0722SBL01

Tot Ion:168 Resp: 419655

Ion Ratio Lower Upper

168 100

99 47.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003279.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003279.D (-945) (-)

7.80

200000

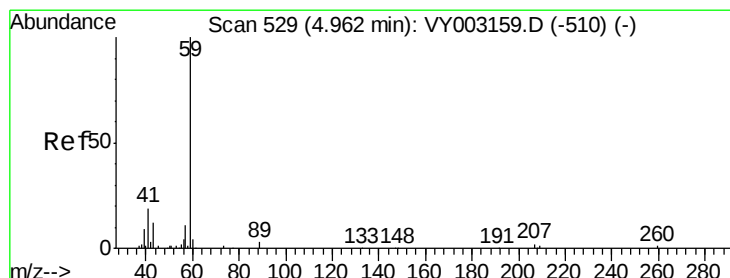
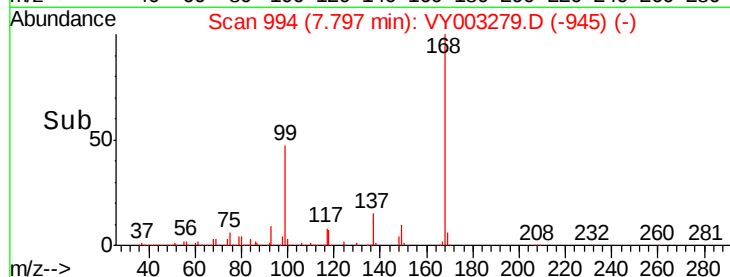
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.956 ug/l

RT: 4.93 min Scan# 524

Delta R.T. -0.03 min

Lab File: VY003279.D

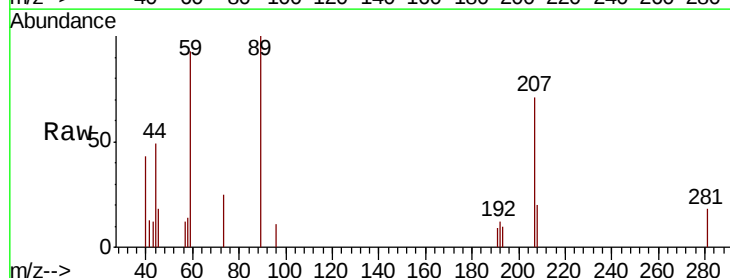
Acq: 22 Jul 2020 11:23

Tgt Ion: 59 Resp: 1132

Ion Ratio Lower Upper

59 100

57 5.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003279.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003279.D (-480) (-)

4.93

800

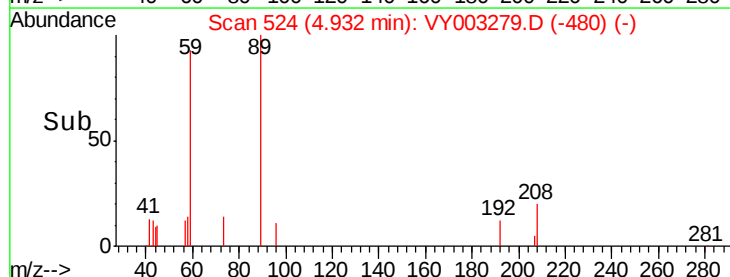
600

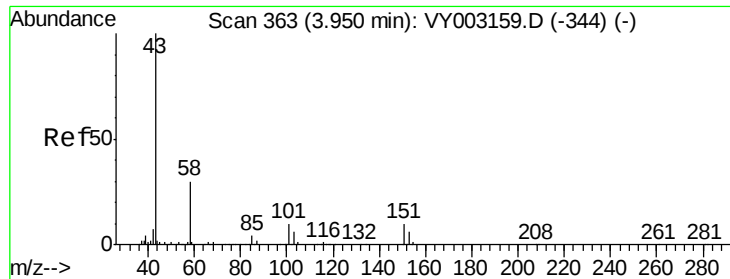
400

200

0

Time-->





#16

Acetone

Concen: 3.104 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003279.D

Acq: 22 Jul 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

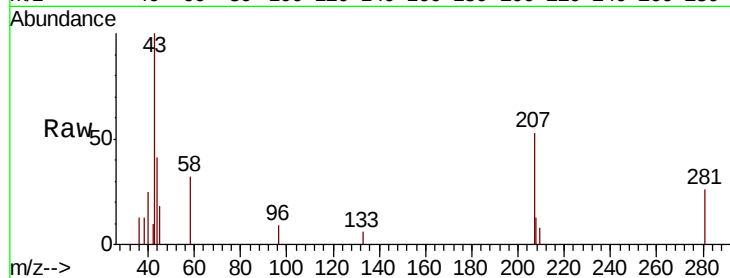
VY0722SBL01

Tot Ion: 43 Resp: 2456

Ion Ratio Lower Upper

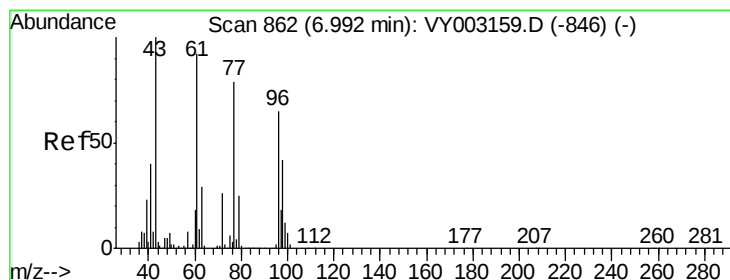
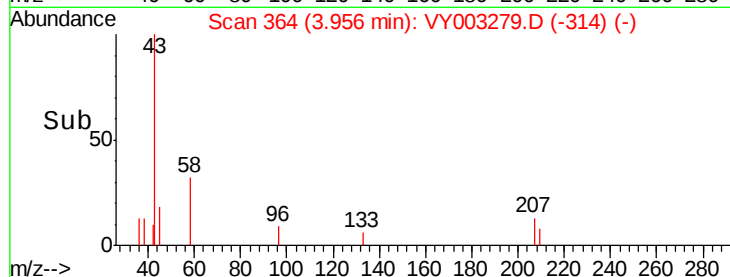
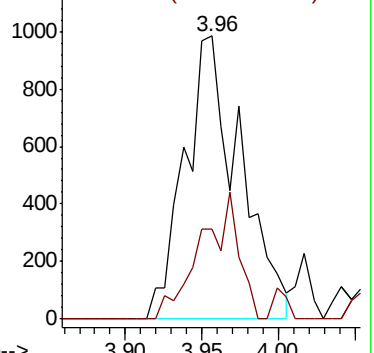
43 100

58 31.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 1.979 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003279.D

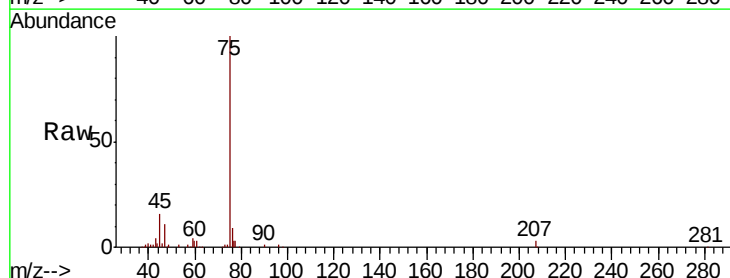
Acq: 22 Jul 2020 11:23

Tgt Ion: 43 Resp: 2571

Ion Ratio Lower Upper

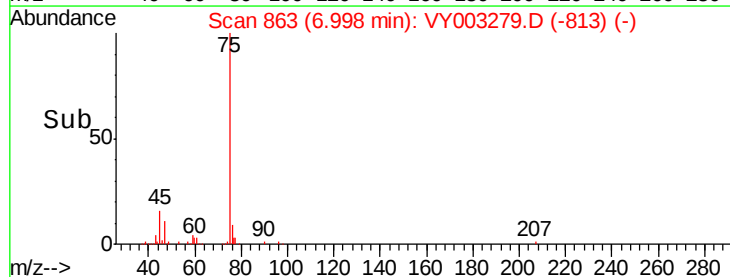
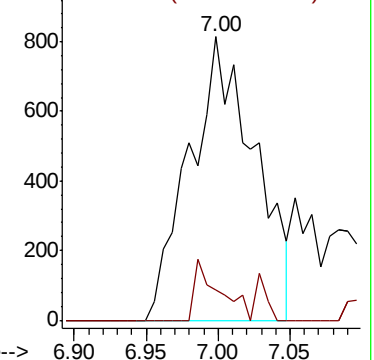
43 100

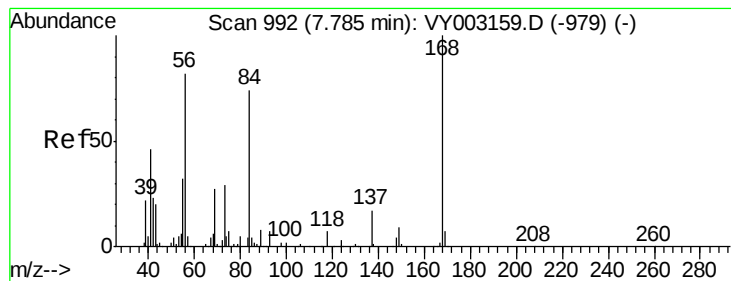
72 10.4 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cvclohexane

Concen: 1.148 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003279.D

Acq: 22 Jul 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBL01

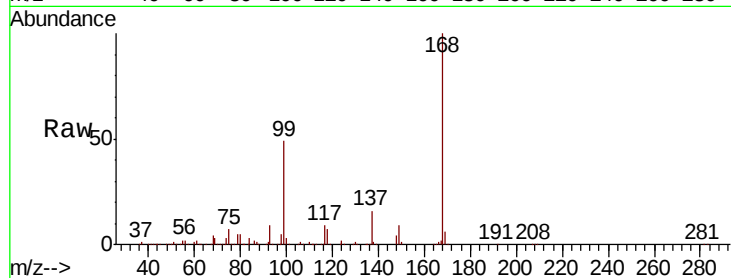
Tot Ion: 56 Resp: 7395

Ion Ratio Lower Upper

56 100

69 166.0 26.7 40.1#

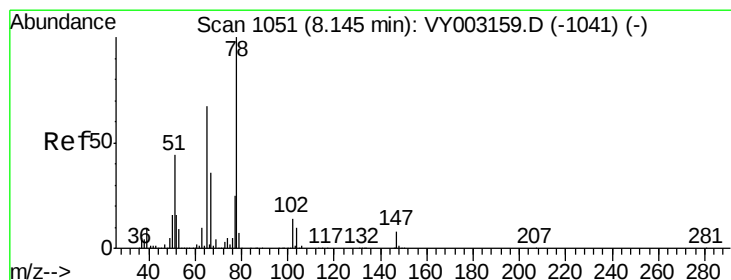
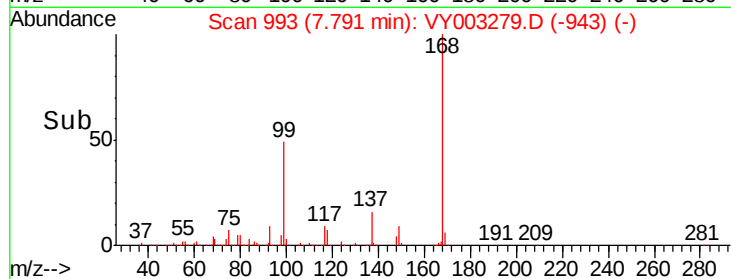
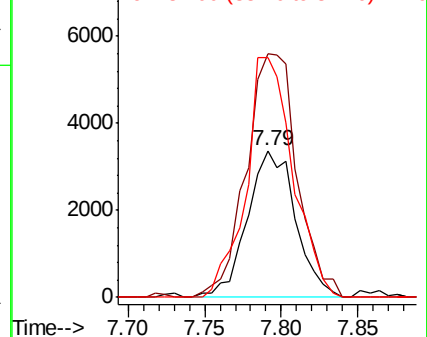
84 163.7 72.3 108.5#



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: 60.078 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003279.D

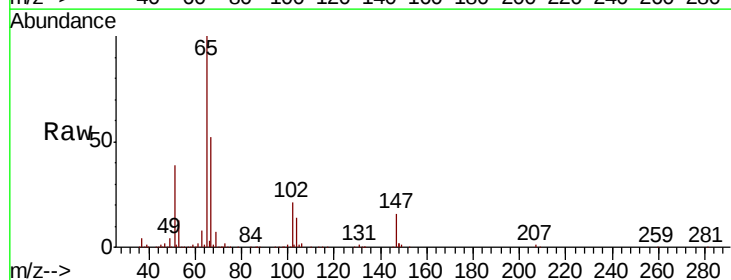
Acq: 22 Jul 2020 11:23

Tgt Ion: 65 Resp: 212797

Ion Ratio Lower Upper

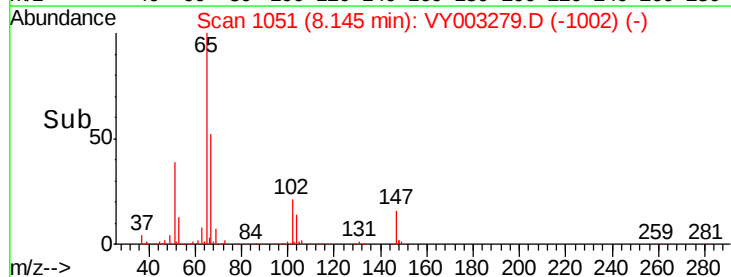
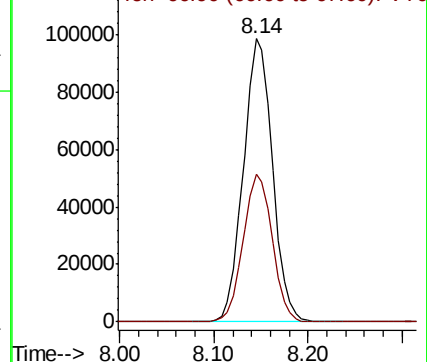
65 100

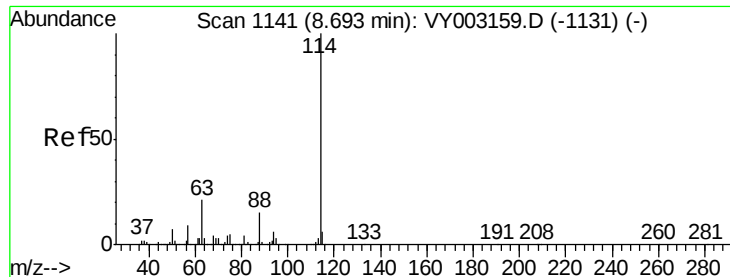
67 52.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

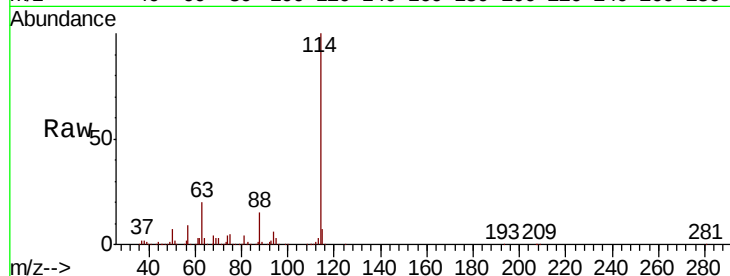




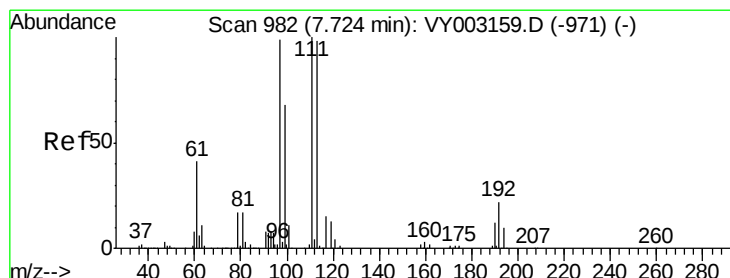
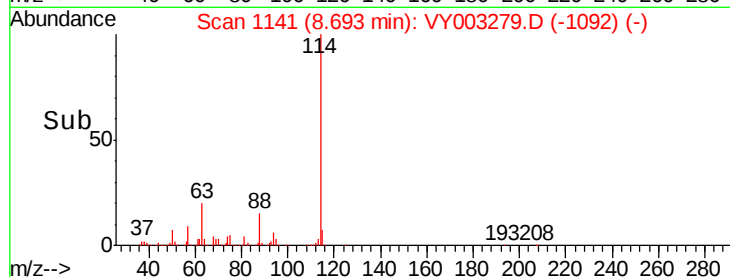
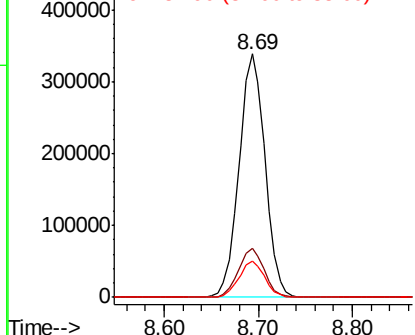
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.2
88	14.8	0.0	30.2

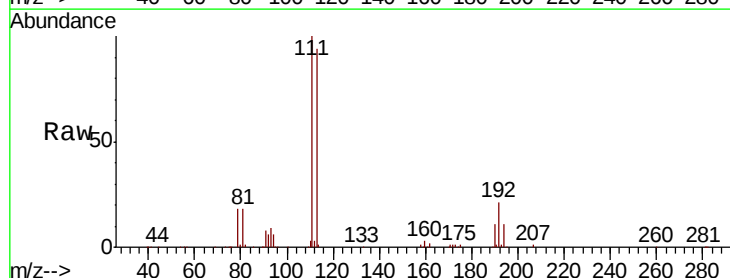


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

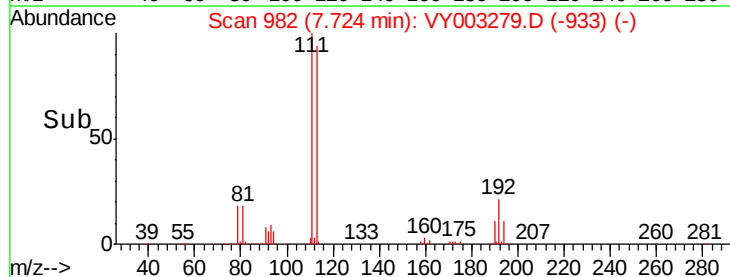
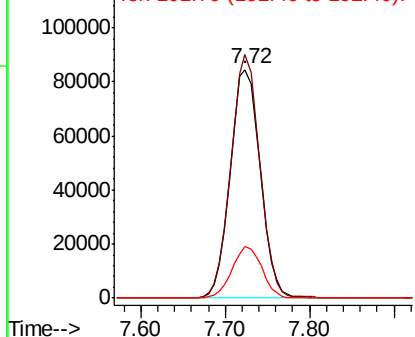


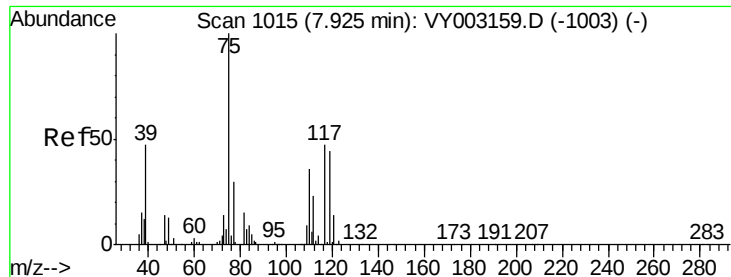
#35
 Dibromofluoromethane
 Concen: 54.477 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.1	123.1
192	22.3	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

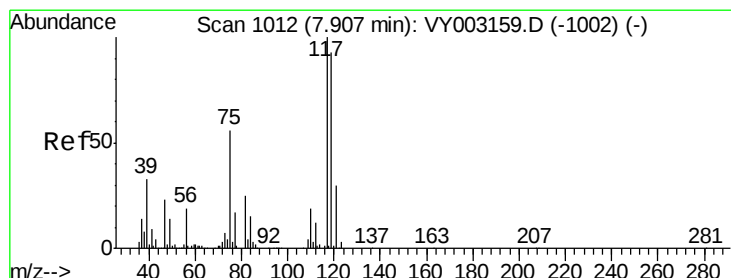
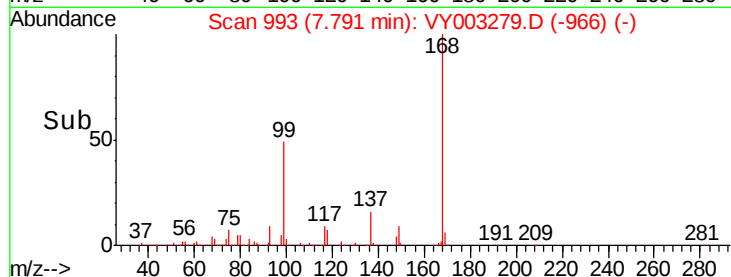
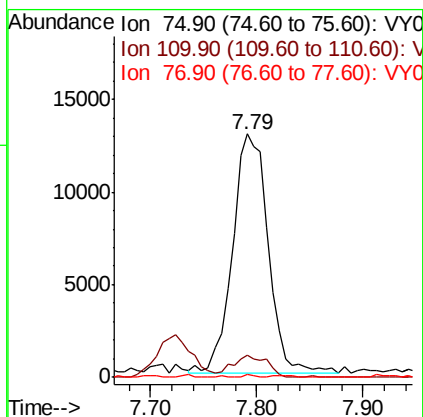
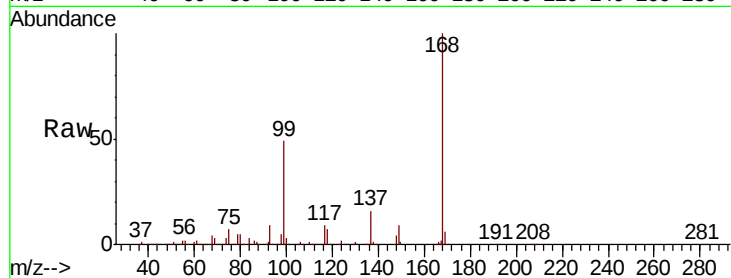




#36
 1,1-Dichloropropene
 Concen: 5.140 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

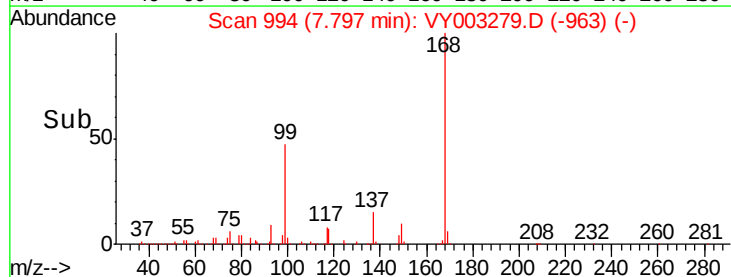
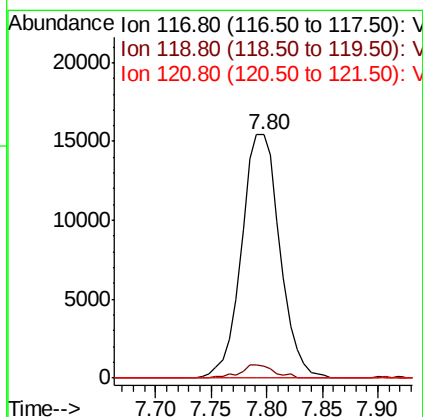
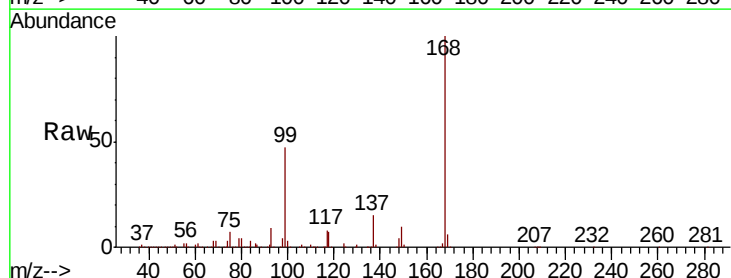
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

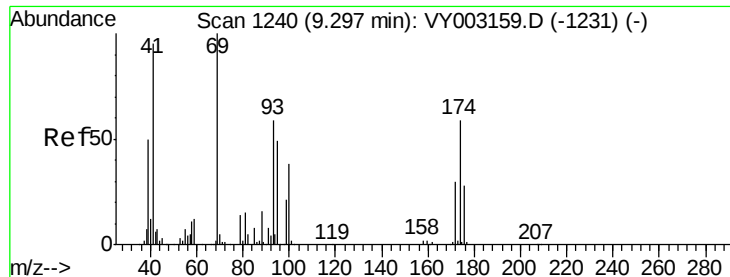
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.079 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	74.5	111.7#
121	0.0	24.2	36.2#

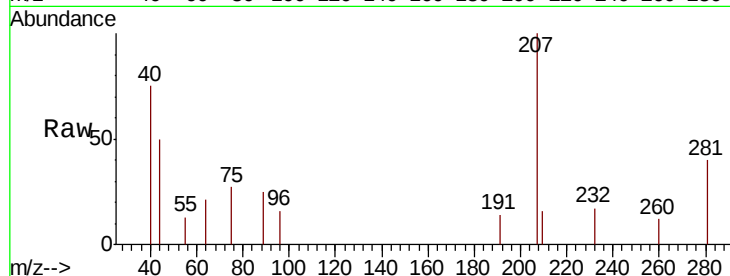




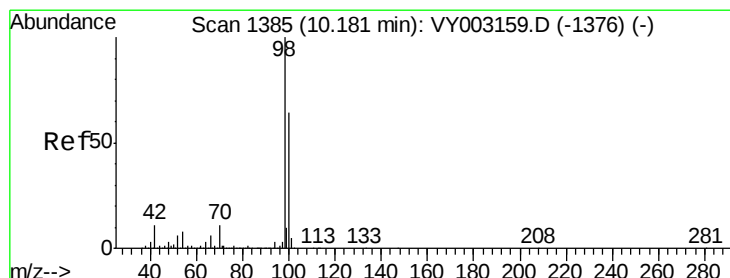
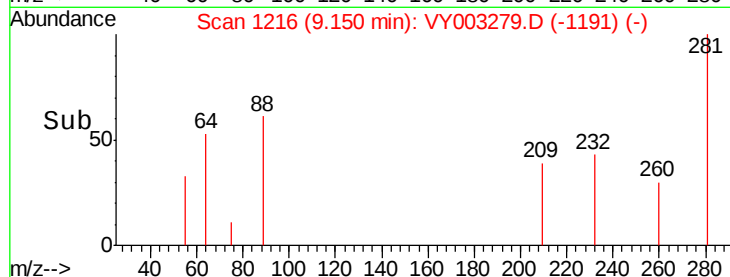
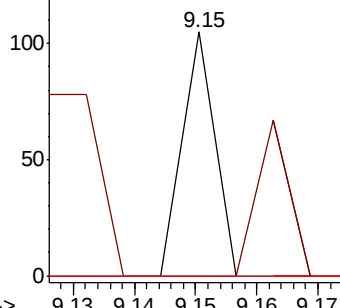
#49
 1,4-Dioxane
 Concen: 1.221 ug/l
 RT: 9.15 min Scan# 1216
 Delta R.T. -0.15 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

Tot Ion: 88 Resp: 38
 Ion Ratio Lower Upper
 88 100
 43 65.8 25.6 38.4#
 58 0.0 47.8 71.6#

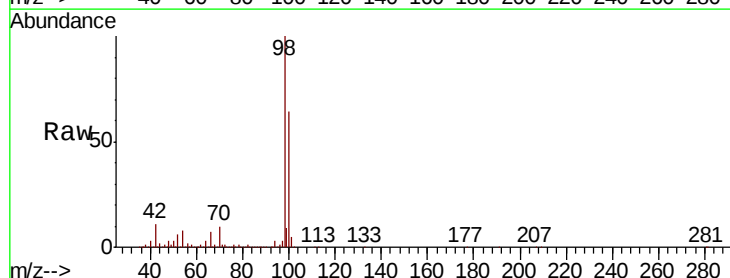


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

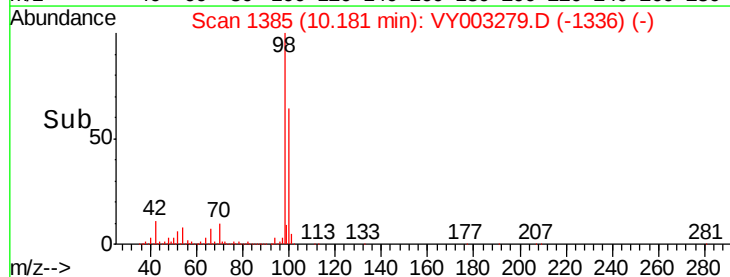
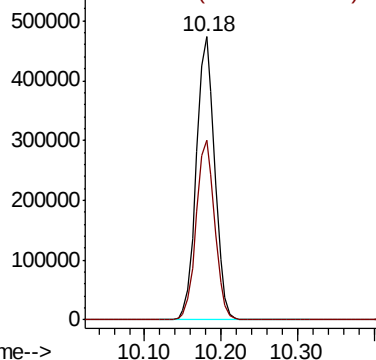


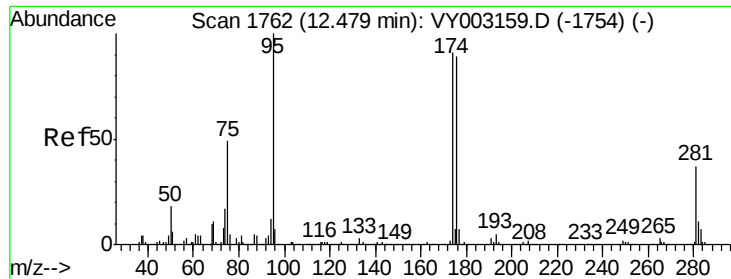
#50
 Toluene-d8
 Concen: 56.506 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Tgt Ion: 98 Resp: 786302
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.7 76.1



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

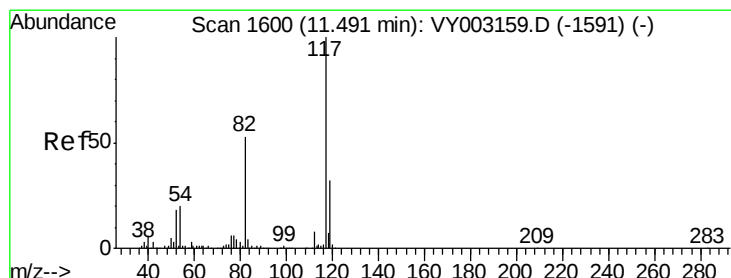
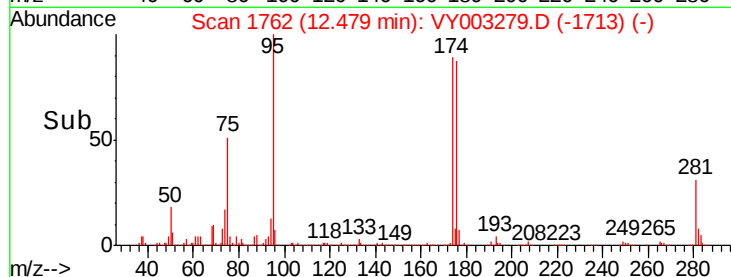
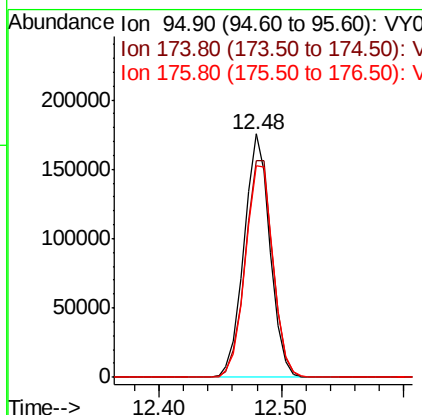
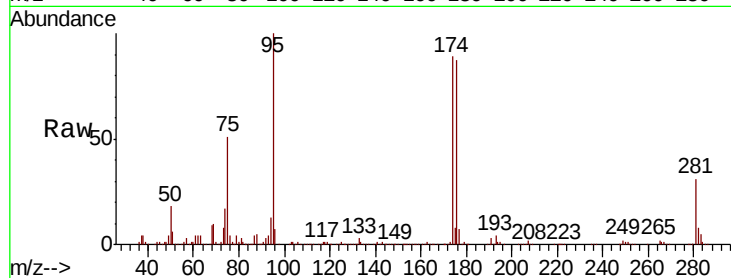




#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003279.D
Acq: 22 Jul 2020 11:23

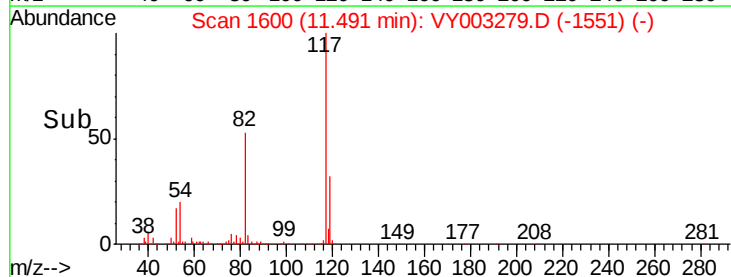
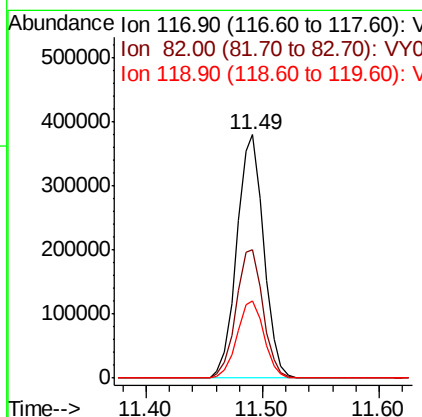
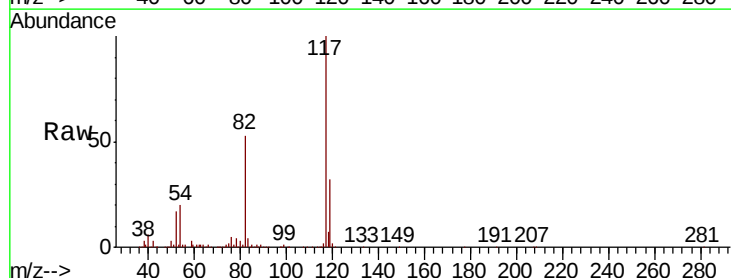
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ClientSampleId :
VY0722SBL01

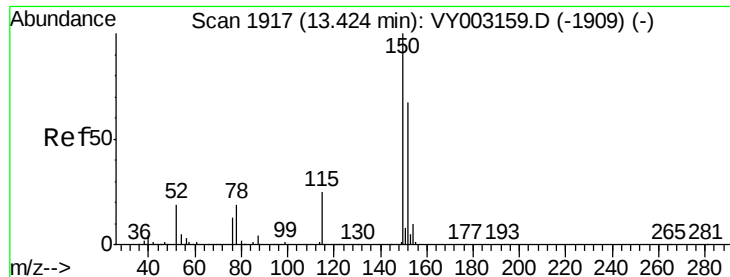
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	190.6
176	93.0	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003279.D
Acq: 22 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	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: VY003279.D

Acq: 22 Jul 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBL01

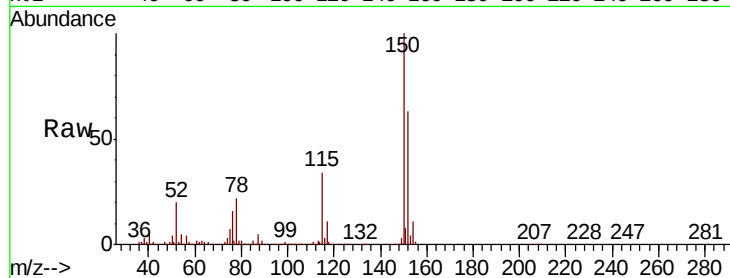
Tot Ion:152 Resp: 296980

Ion Ratio Lower Upper

152 100

115 54.3 26.9 80.7

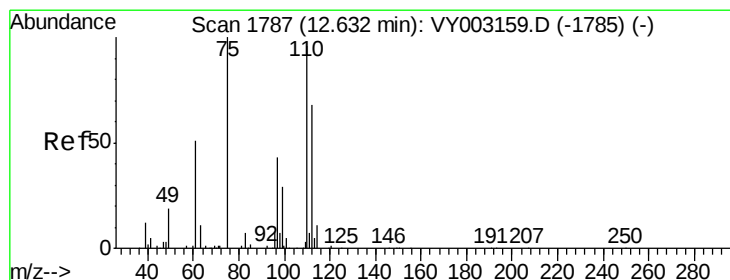
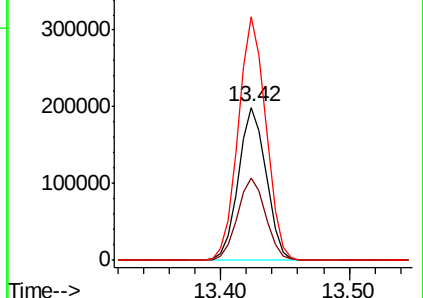
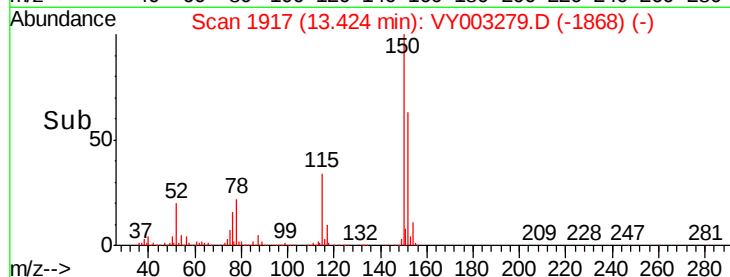
150 158.8 0.0 338.0



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: 50.921 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003279.D

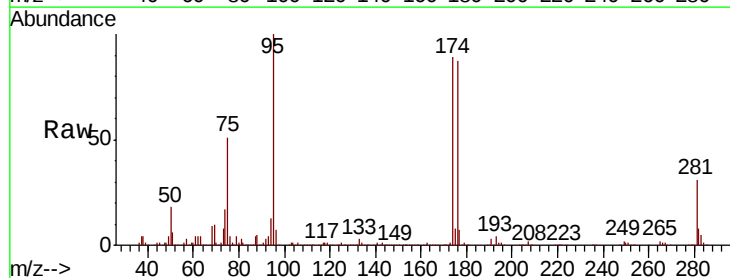
Acq: 22 Jul 2020 11:23

Tgt Ion: 75 Resp: 133859

Ion Ratio Lower Upper

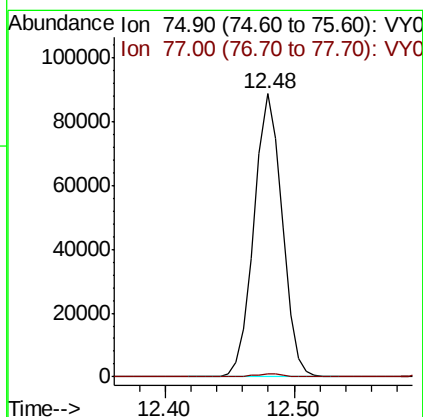
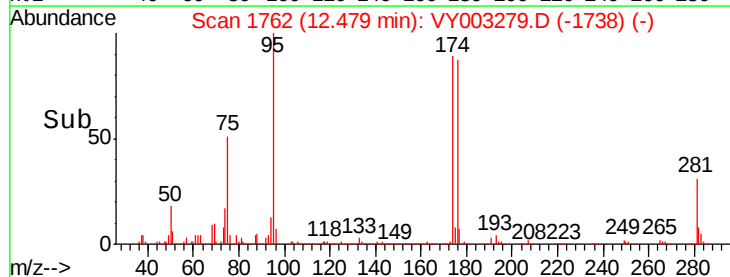
75 100

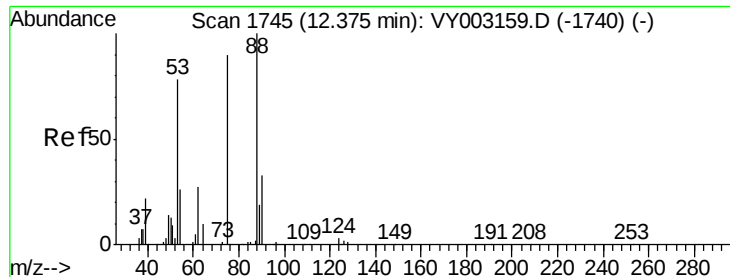
77 1.2 0.0 0.0#



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: 99.101 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003279.D

Acq: 22 Jul 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBL01

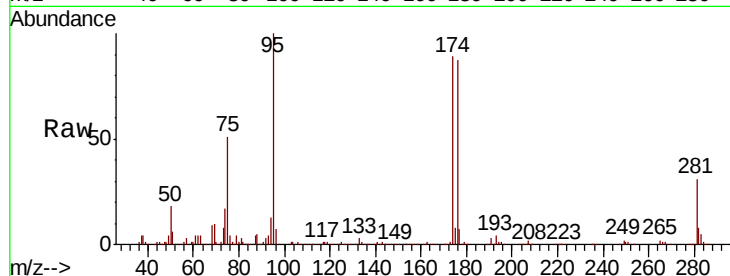
Tot Ion: 75 Resp: 133859

Ion Ratio Lower Upper

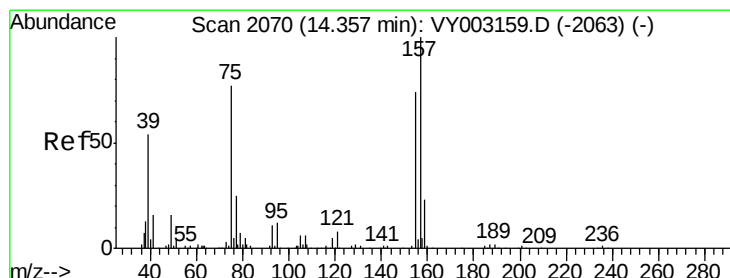
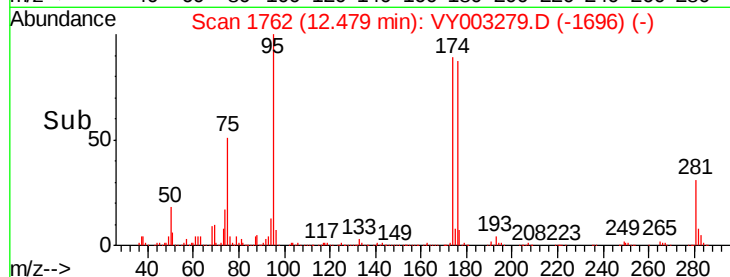
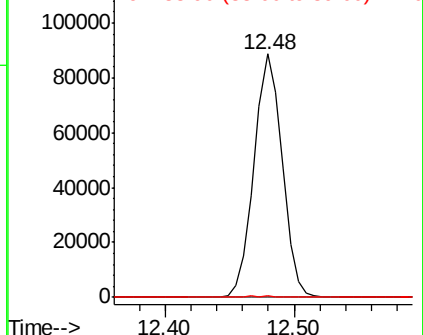
75 100

53 0.0 72.0 108.0#

89 0.5 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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.365 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY003279.D

Acq: 22 Jul 2020 11:23

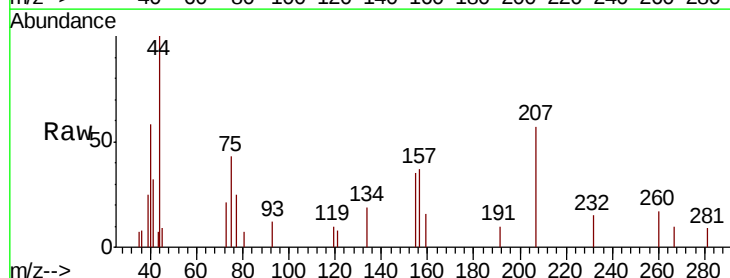
Tgt Ion: 75 Resp: 809

Ion Ratio Lower Upper

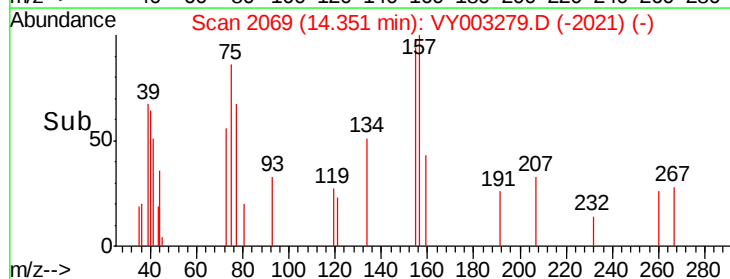
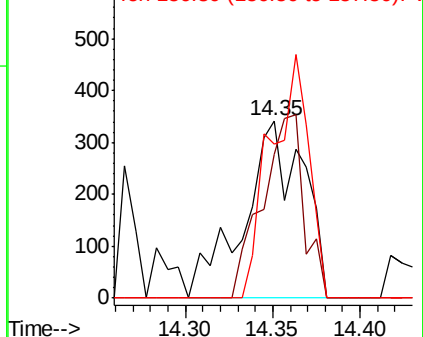
75 100

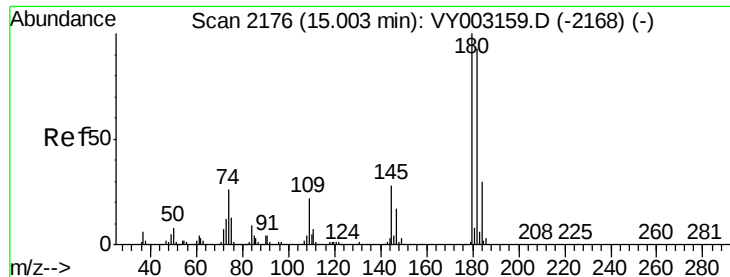
155 72.6 48.1 144.3

157 88.9 61.9 185.6



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

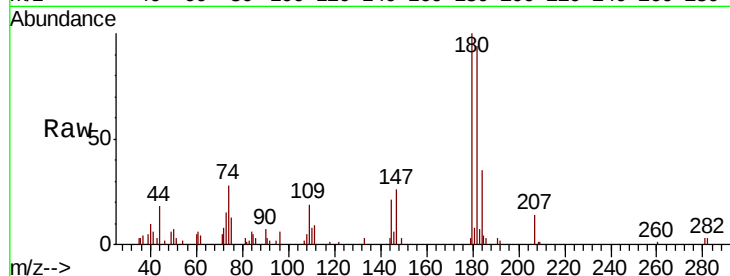




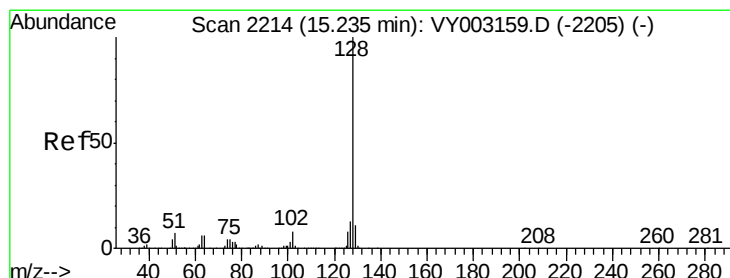
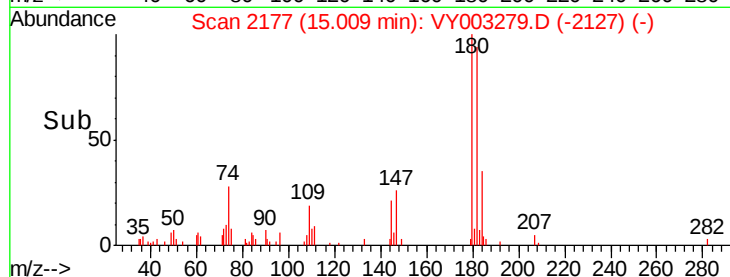
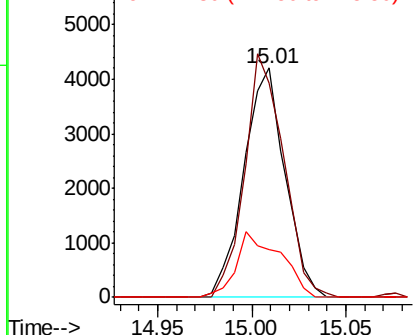
#93
 1,2,4-Trichlorobenzene
 Concen: 1.120 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

Tot Ion	180	Resp	6379
Ion	Ratio	Lower	Upper
180	100		
182	100.4	47.3	142.0
145	30.4	13.7	41.1

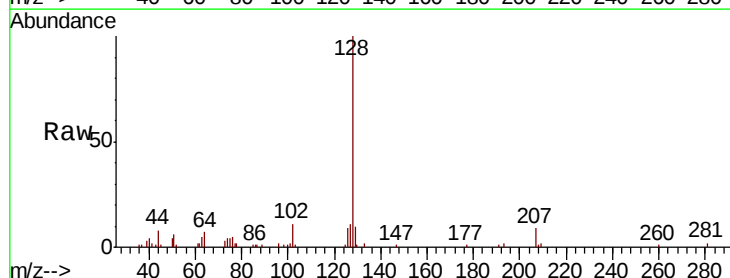


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

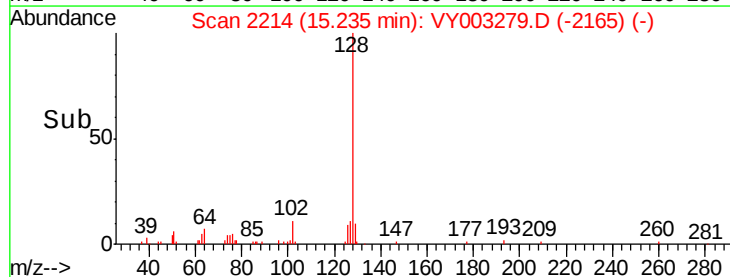
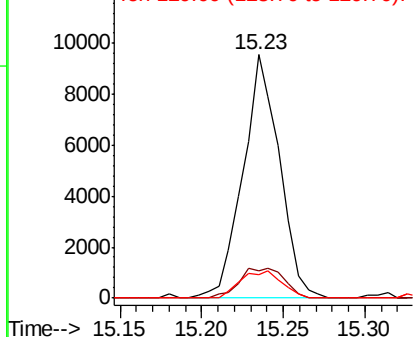


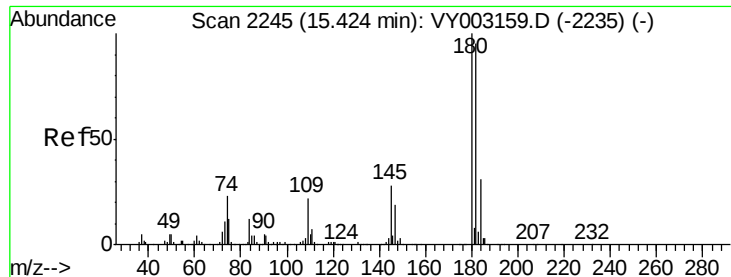
#95
 Naphthalene
 Concen: 1.583 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Tgt Ion	128	Resp	14903
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.9	16.3
129	12.6	9.0	13.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

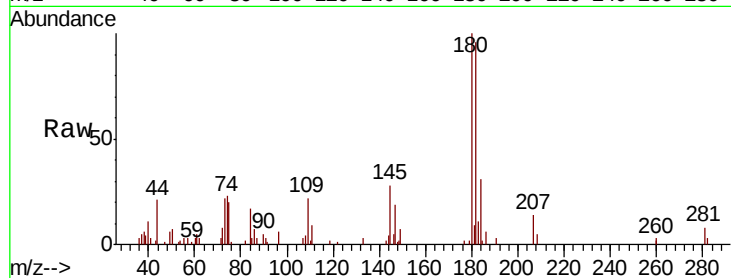




#96
 1,2,3-Trichlorobenzene
 Concen: 1.808 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY003279.D
 Acq: 22 Jul 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	48.8	146.3
145	32.3	14.9	44.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

