

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003246.D
 Acq On : 20 Jul 2020 20:48
 Operator : SY/MD
 Sample : L3308-20
 Misc : 5.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20

Quant Time: Jul 21 03:21:04 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	355064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	535760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	441890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	199348	66.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.04%	
35) Dibromofluoromethane	7.72	113	178692	57.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.92%	
50) Toluene-d8	10.18	98	600599	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.48	95	178436	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	

Target Compounds

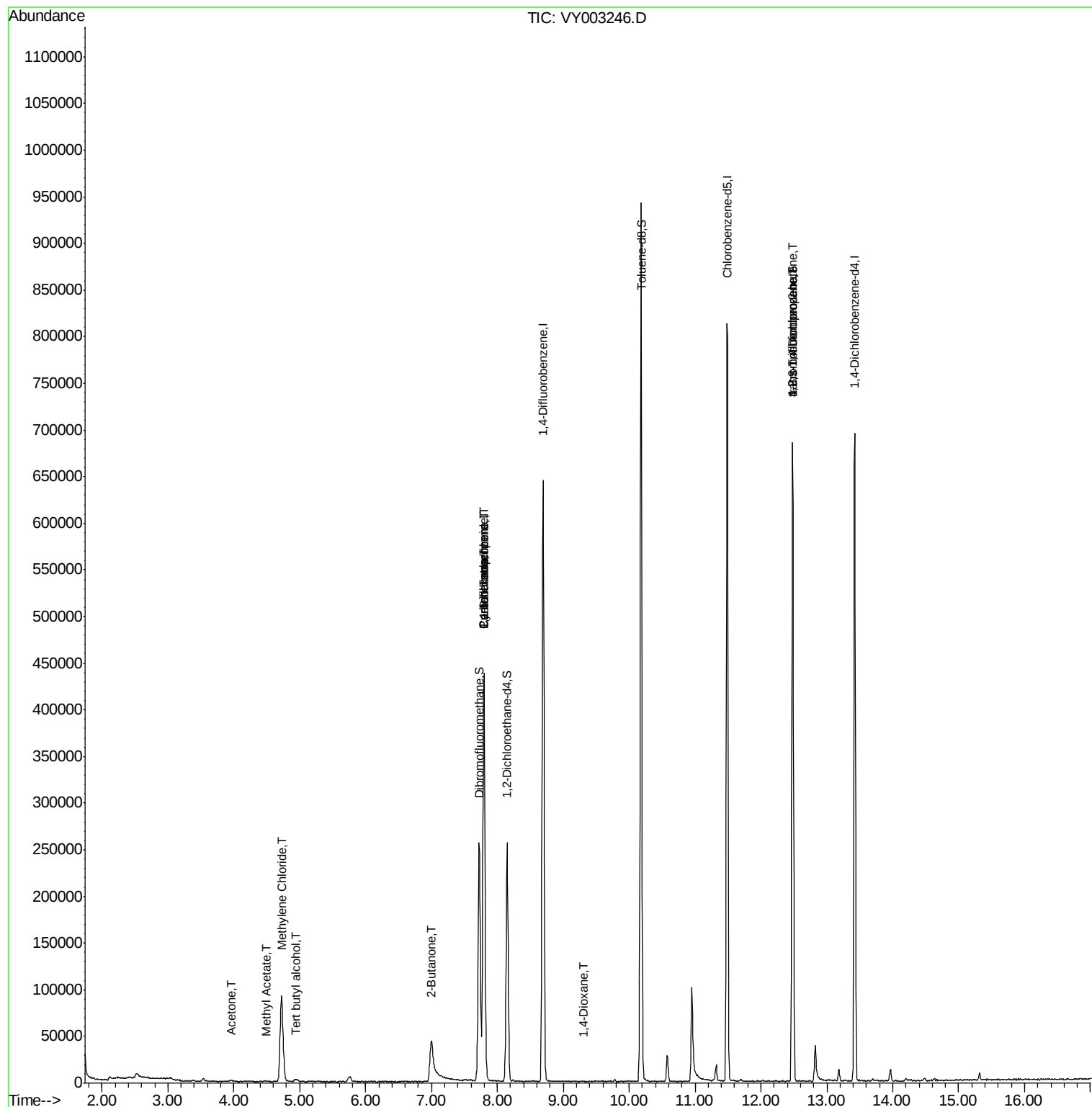
						Qvalue
11) Tert butyl alcohol	4.94	59	2418	7.462	ug/l #	72
16) Acetone	3.95	43	2699	4.032	ug/l #	87
18) Methyl Acetate	4.49	43	1905	1.025	ug/l #	81
20) Methylene Chloride	4.72	84	69261	16.929	ug/l	94
25) 2-Butanone	7.01	43	3368	3.064	ug/l #	63
31) Cyclohexane	7.80	56	6958	1.276	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	26055	5.366	ug/l #	49
38) Carbon Tetrachloride	7.80	117	33141	6.611	ug/l #	17
49) 1,4-Dioxane	9.30	88	38	1.482	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	94518	59.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	94518	116.016	ug/l #	13

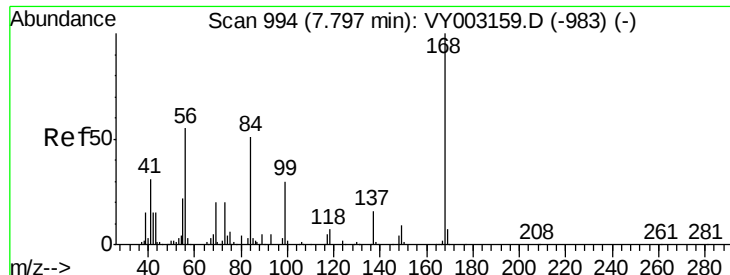
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 10 13:18:03 2020
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: VY003246.D

Acq: 20 Jul 2020 20:48

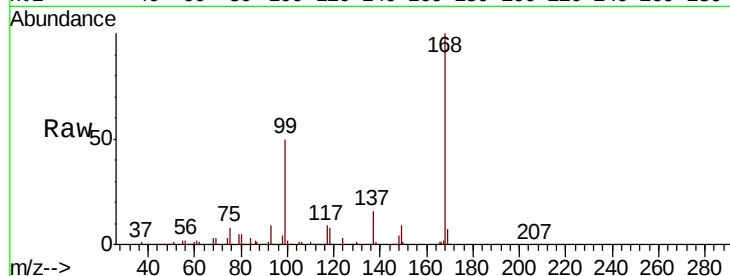
Instrument :
MSVOA_Y
ClientSampleId :
20

Tot Ion:168 Resp: 355064

Ion Ratio Lower Upper

168 100

99 49.9 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

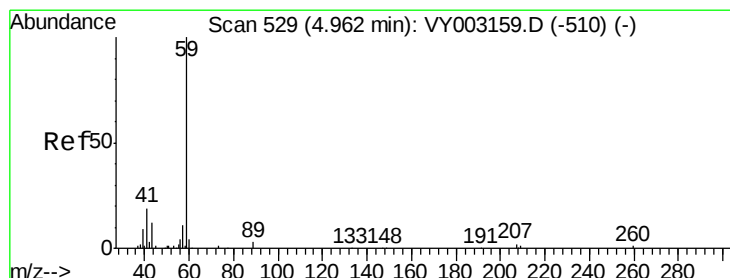
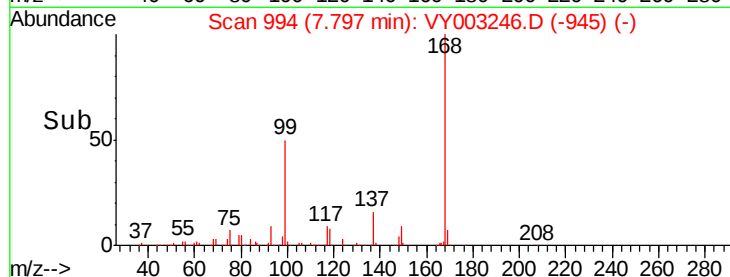
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.462 ug/l

RT: 4.94 min Scan# 525

Delta R.T. -0.02 min

Lab File: VY003246.D

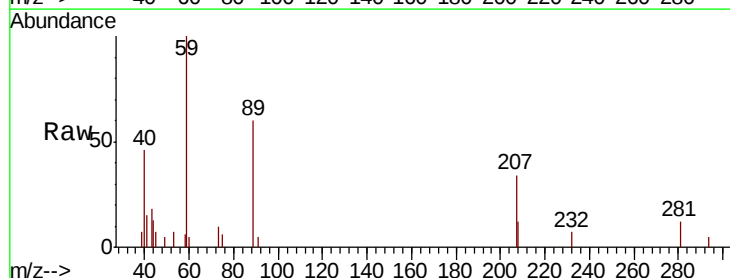
Acq: 20 Jul 2020 20:48

Tgt Ion: 59 Resp: 2418

Ion Ratio Lower Upper

59 100

57 0.0 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) (-)

4.94

1200

1000

800

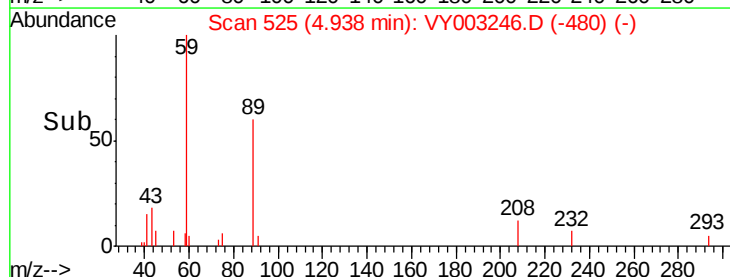
600

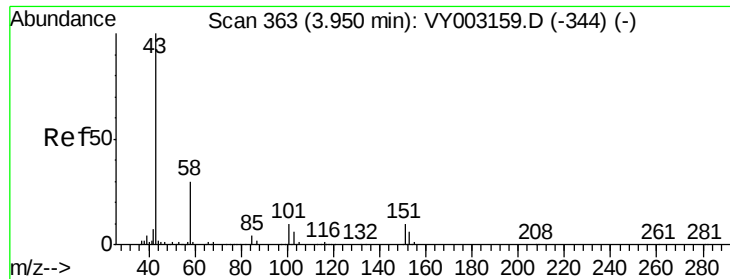
400

200

0

Time-->





#16

Acetone

Concen: 4.032 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY003246.D

Acq: 20 Jul 2020 20:48

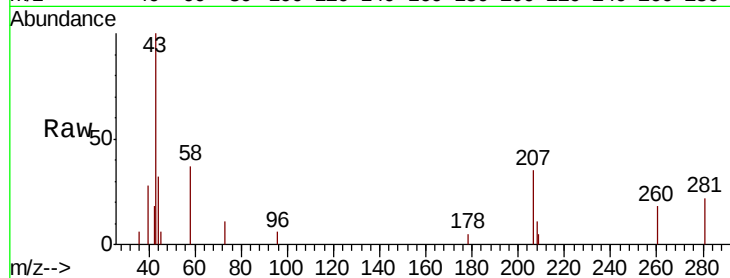
Instrument :
MSVOA_Y
ClientSampled :
20

Tot Ion: 43 Resp: 2699

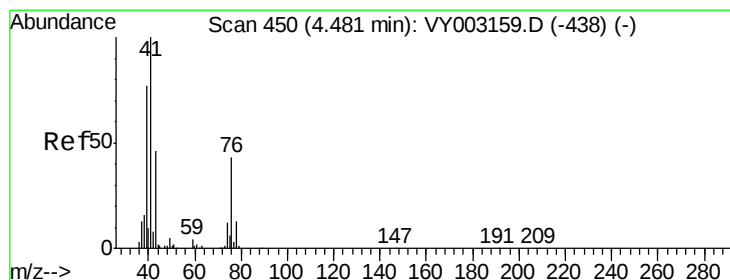
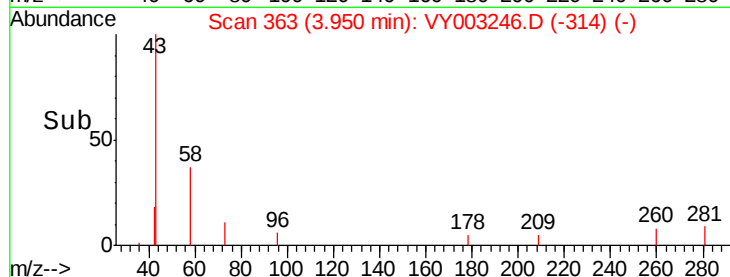
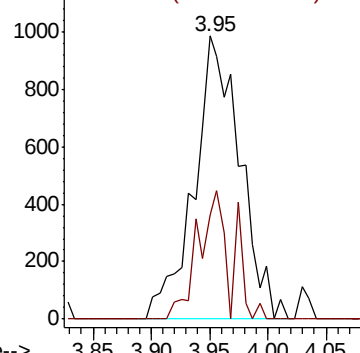
Ion Ratio Lower Upper

43 100

58 36.7 23.8 35.6#



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



#18

Methyl Acetate

Concen: 1.025 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY003246.D

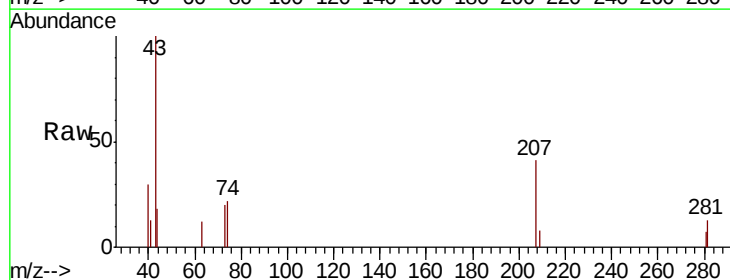
Acq: 20 Jul 2020 20:48

Tgt Ion: 43 Resp: 1905

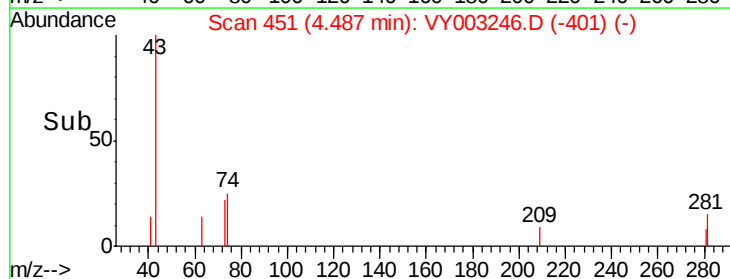
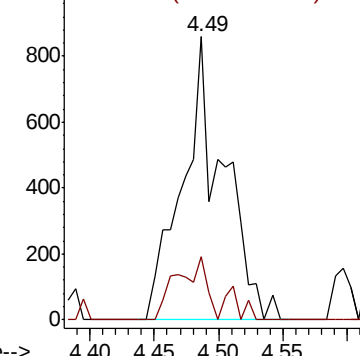
Ion Ratio Lower Upper

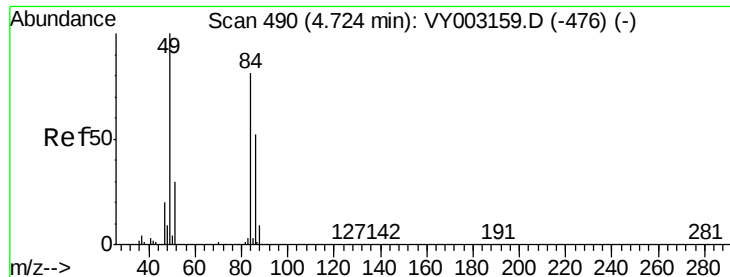
43 100

74 16.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0

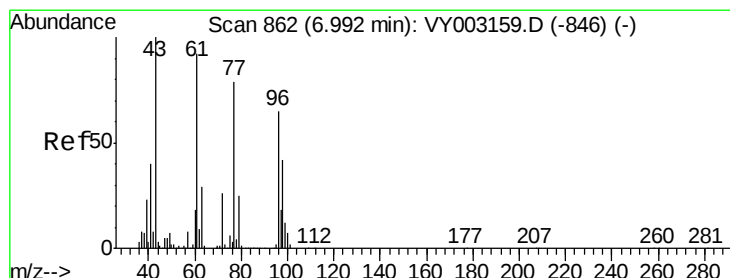
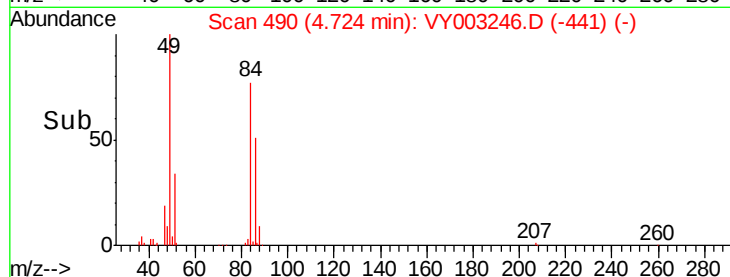
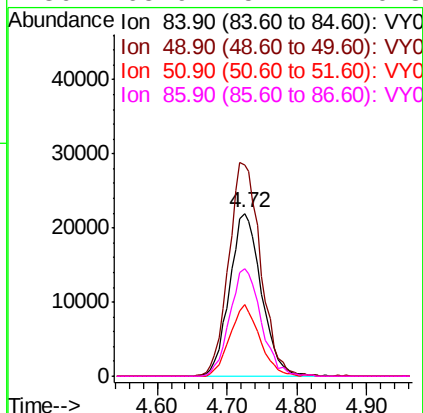
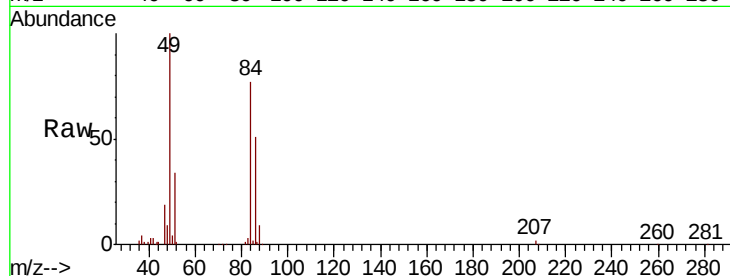




#20
Methylene Chloride
Concen: 16.929 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003246.D
Acq: 20 Jul 2020 20:48

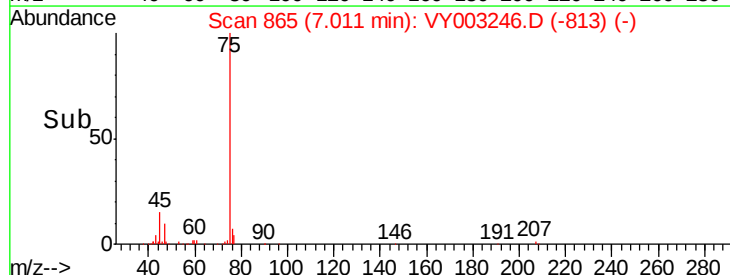
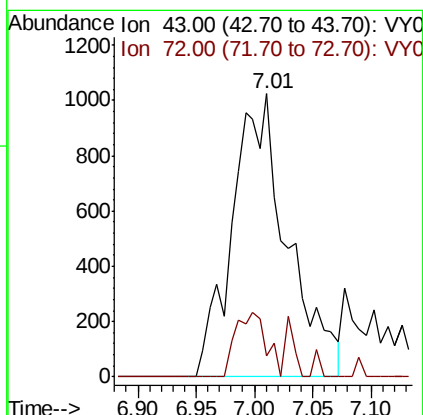
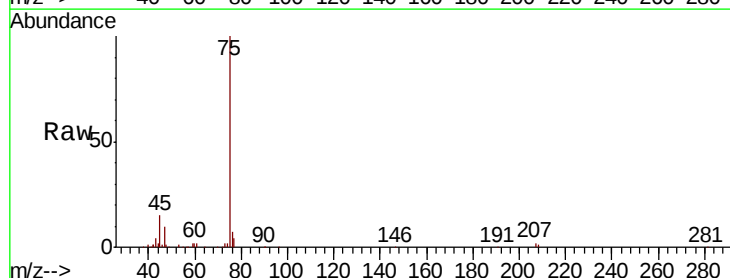
Instrument :
MSVOA_Y
ClientSampleId :
20

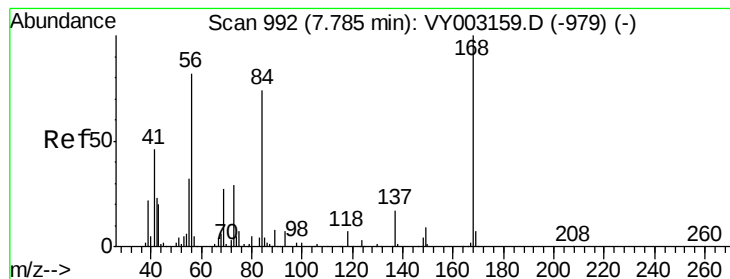
Tot Ion:	84	Resp:	69261
Ion	Ratio	Lower	Upper
84	100		
49	129.5	98.2	147.4
51	44.2	29.8	44.6
86	65.9	51.2	76.8



#25
2-Butanone
Concen: 3.064 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.02 min
Lab File: VY003246.D
Acq: 20 Jul 2020 20:48

Tgt Ion:	43	Resp:	3368
Ion	Ratio	Lower	Upper
43	100		
72	7.4	20.9	31.3#





#31

Cyclohexane

Concen: 1.276 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

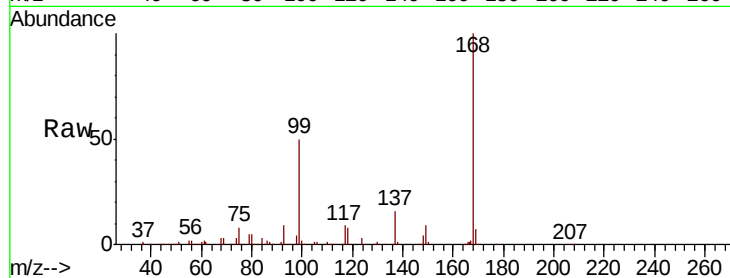
Lab File: VY003246.D

Acq: 20 Jul 2020 20:48

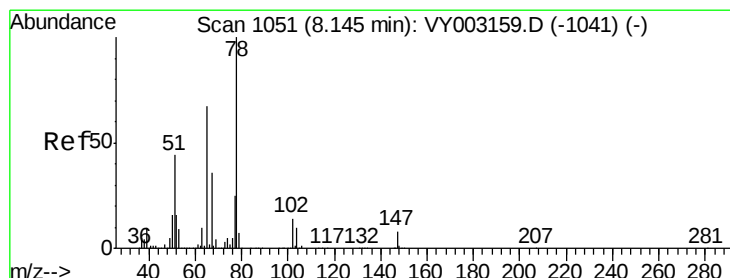
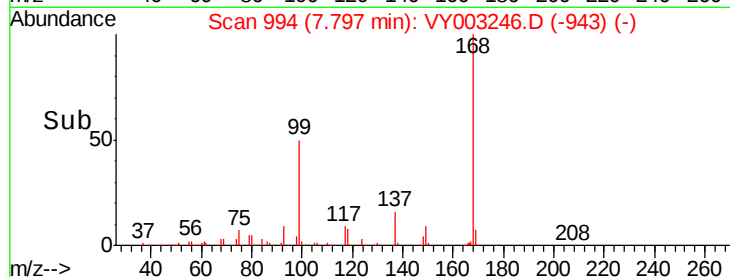
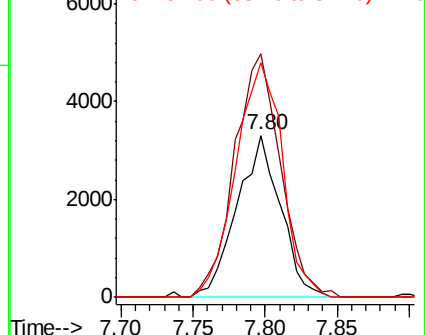
Instrument :
MSVOA_Y
ClientSampleId :
20

Tot Ion: 56 Resp: 6958

Ion	Ratio	Lower	Upper
56	100		
69	150.4	26.7	40.1#
84	145.1	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: 66.519 ug/l

RT: 8.15 min Scan# 1052

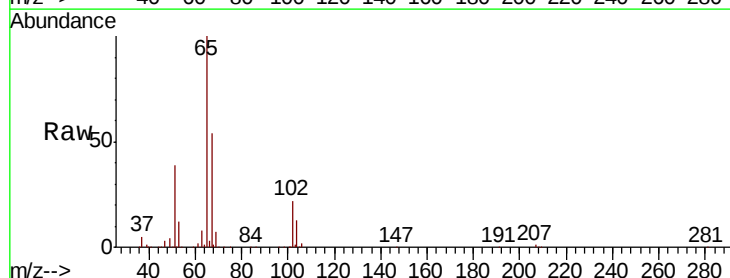
Delta R.T. 0.01 min

Lab File: VY003246.D

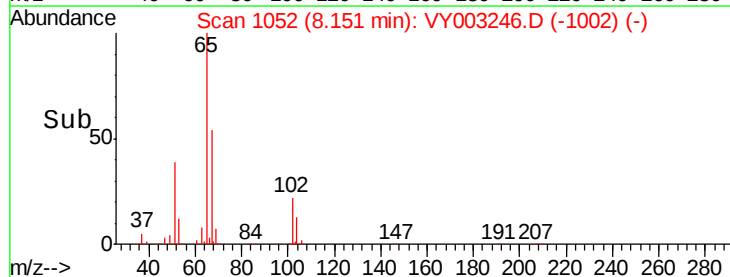
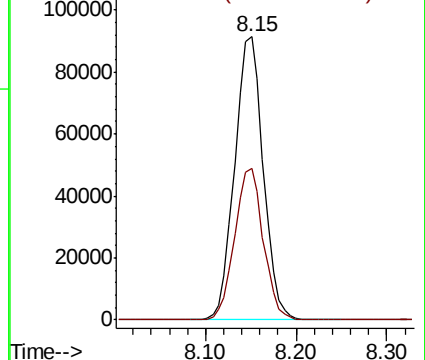
Acq: 20 Jul 2020 20:48

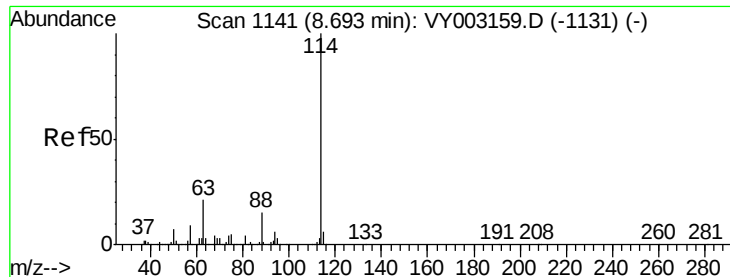
Tgt Ion: 65 Resp: 199348

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.2



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

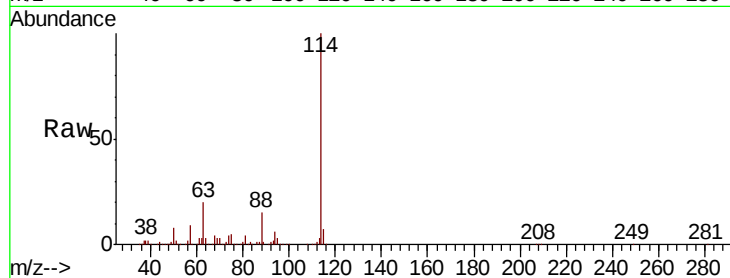




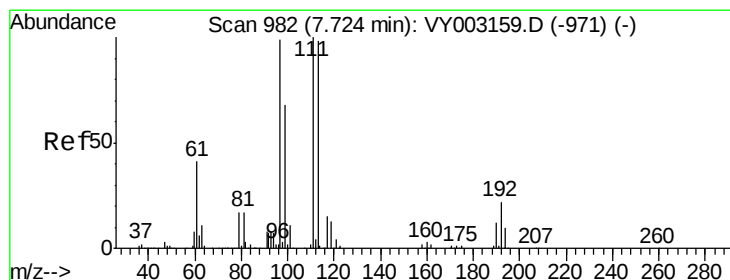
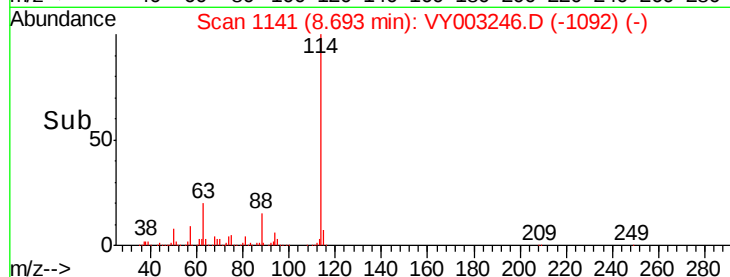
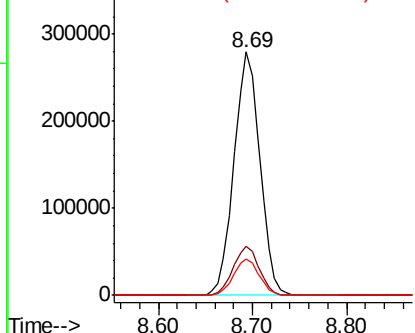
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003246.D
 Acq: 20 Jul 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 20

Tot Ion:114 Resp: 535760
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.2
 88 15.0 0.0 30.2

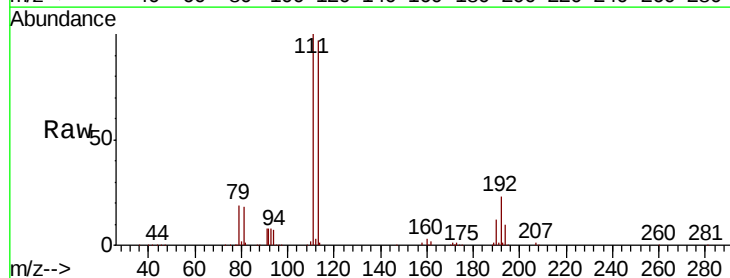


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

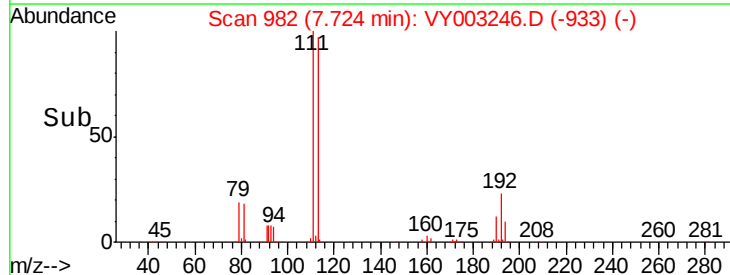
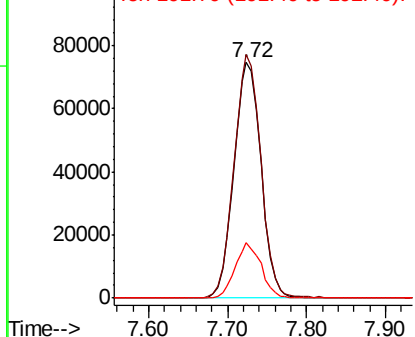


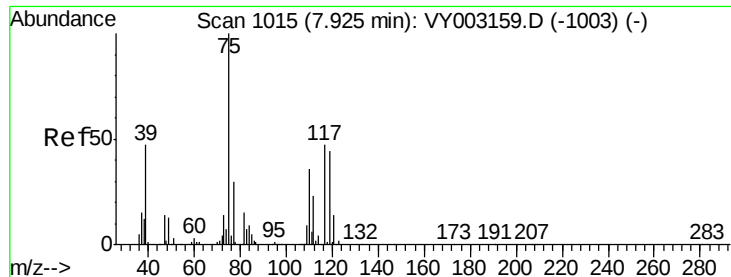
#35
 Dibromofluoromethane
 Concen: 57.957 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003246.D
 Acq: 20 Jul 2020 20:48

Tgt Ion:113 Resp: 178692
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.1 123.1
 192 22.4 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

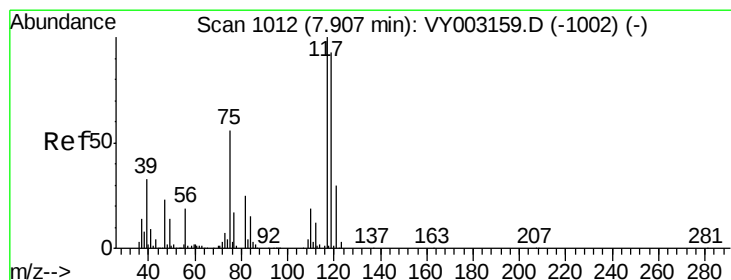
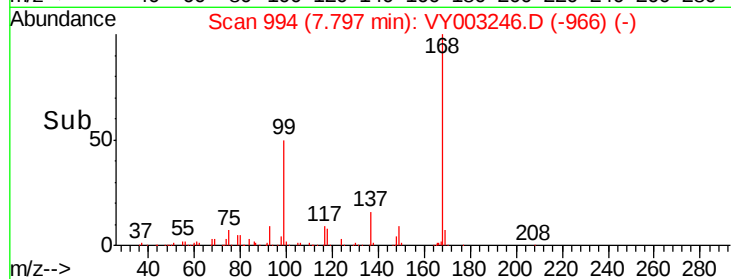
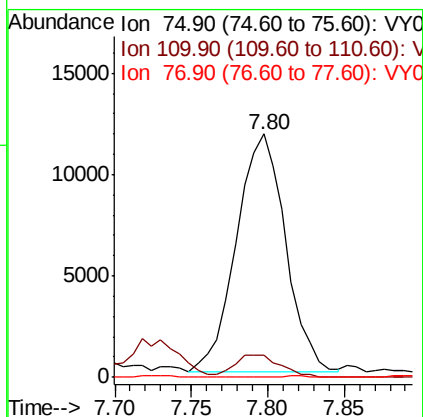
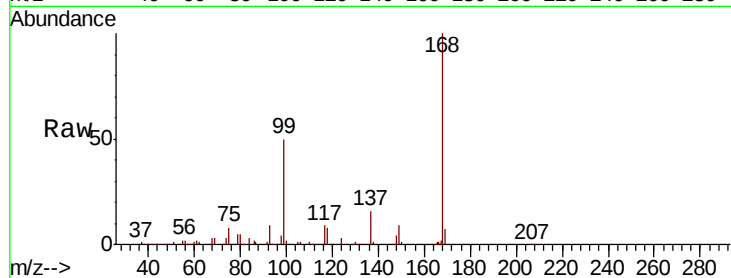




#36
 1,1-Dichloropropene
 Concen: 5.366 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003246.D
 Acq: 20 Jul 2020 20:48

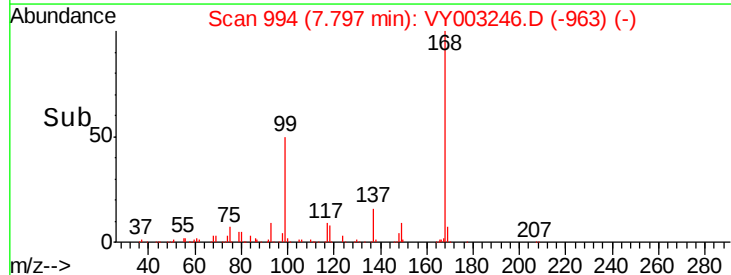
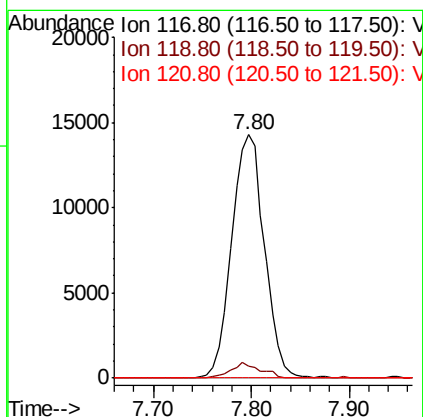
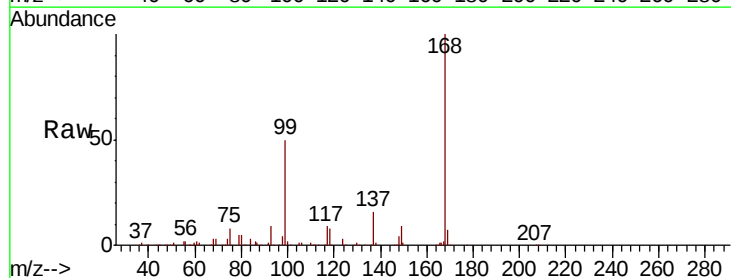
Instrument :
 MSVOA_Y
 ClientSampleId :
 20

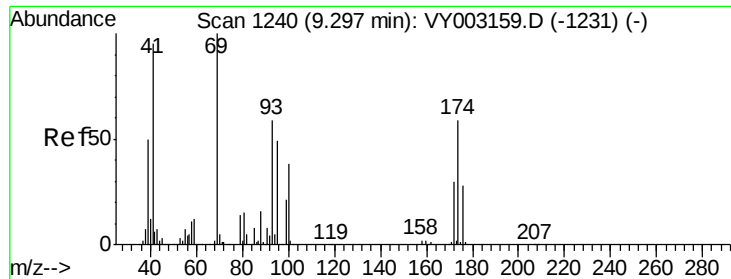
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.611 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003246.D
 Acq: 20 Jul 2020 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	74.5	111.7#
121	0.0	24.2	36.2#

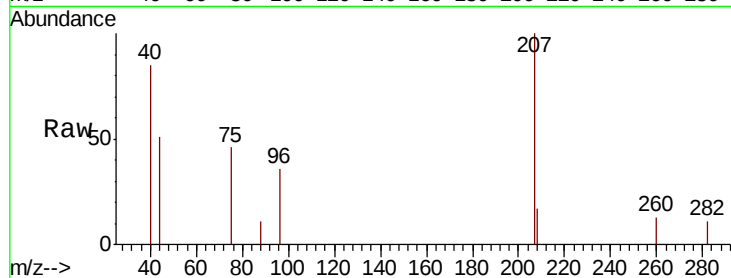




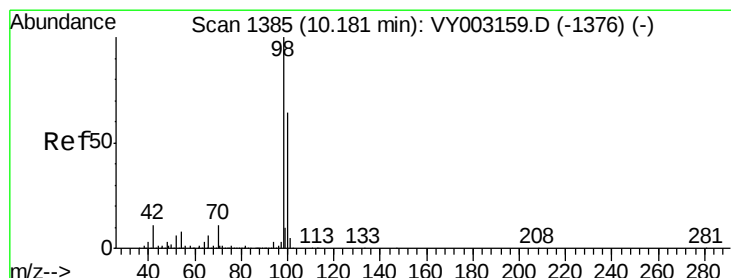
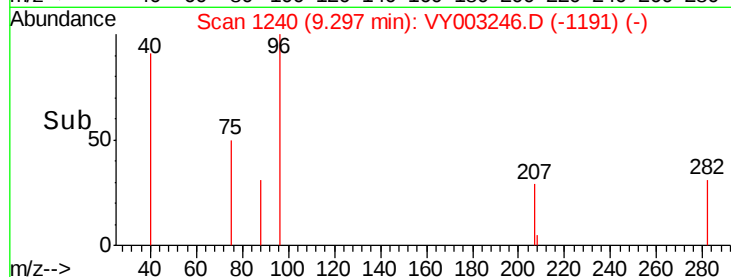
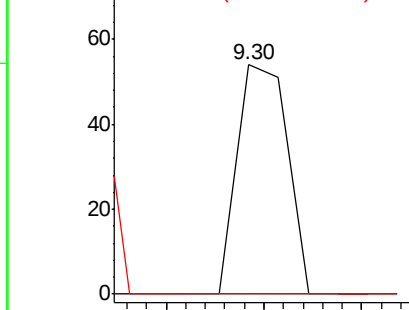
#49
 1,4-Dioxane
 Concen: 1.482 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VY003246.D
 Acq: 20 Jul 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 20

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

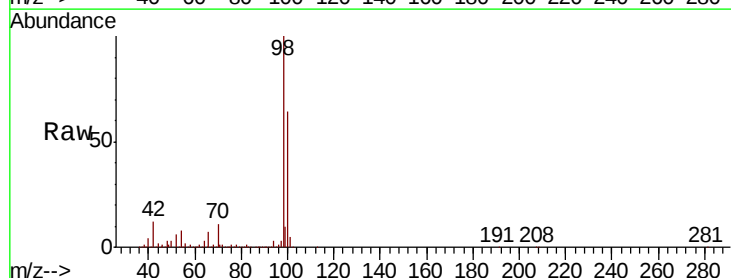


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

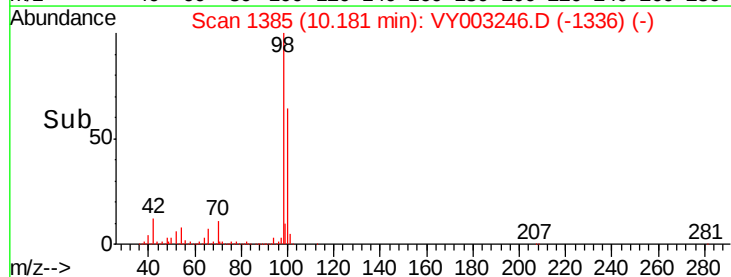
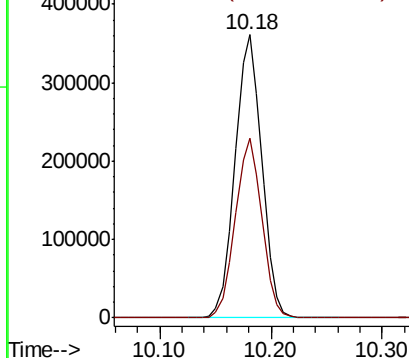


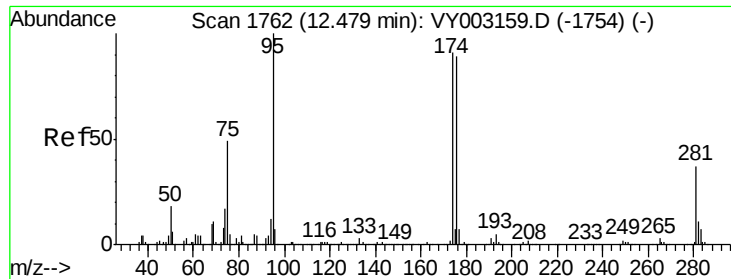
#50
 Toluene-d8
 Concen: 52.396 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003246.D
 Acq: 20 Jul 2020 20:48

Tgt Ion: 98 Resp: 600599
 Ion Ratio Lower Upper
 98 100
 100 63.3 50.7 76.1



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

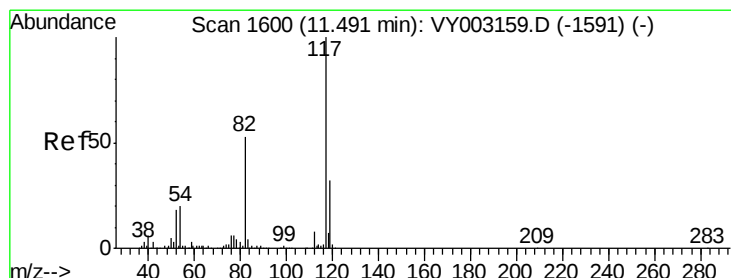
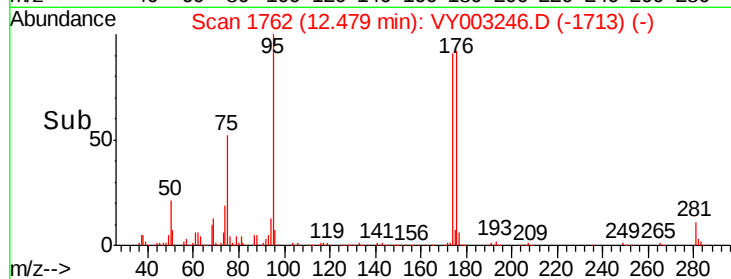
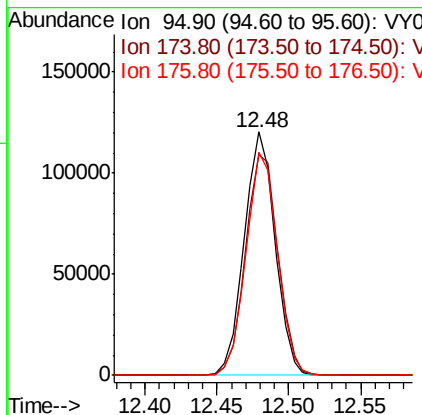
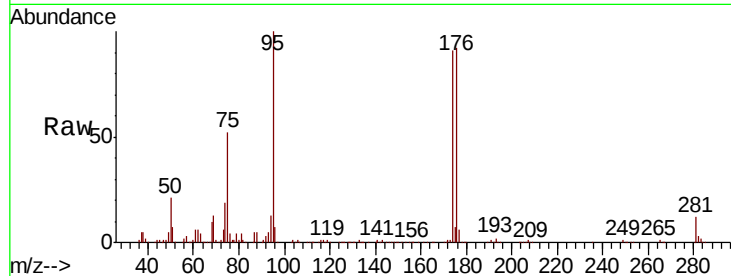




#62
4-Bromofluorobenzene
Concen: 43.090 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003246.D
Acq: 20 Jul 2020 20:48

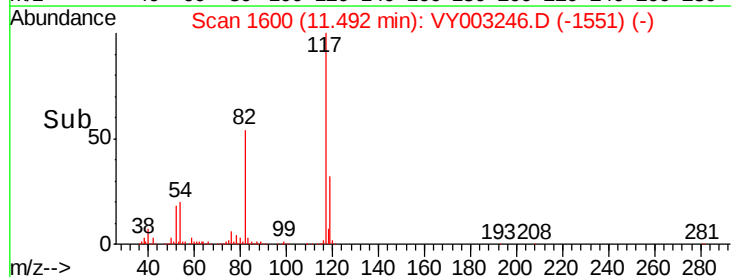
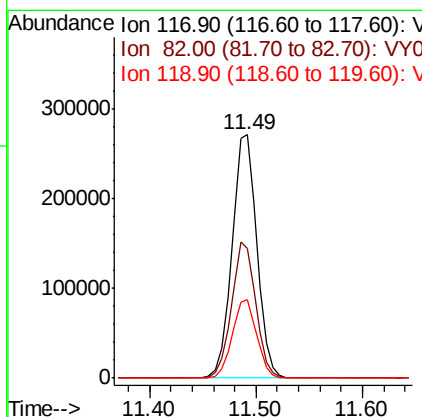
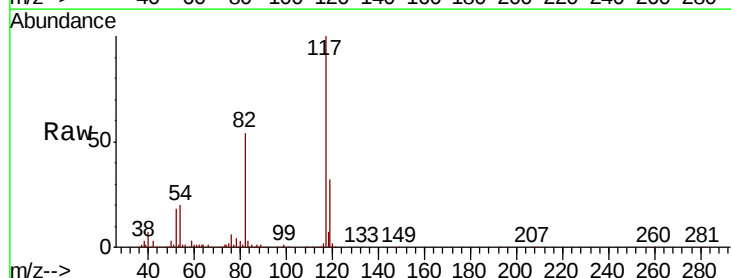
Instrument :
MSVOA_Y
ClientSampleId :
20

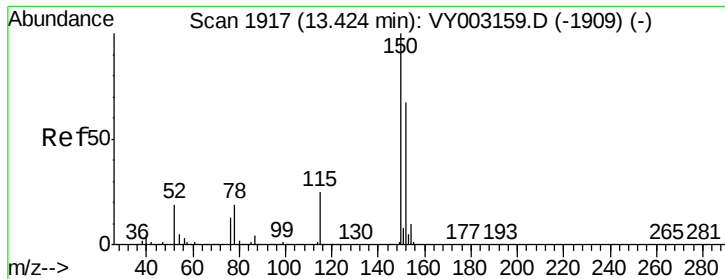
Tot Ion: 95 Resp: 178436
Ion Ratio Lower Upper
95 100
174 95.5 0.0 190.6
176 92.6 0.0 186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003246.D
Acq: 20 Jul 2020 20:48

Tgt Ion: 117 Resp: 441890
Ion Ratio Lower Upper
117 100
82 53.5 42.0 63.0
119 32.0 25.5 38.3



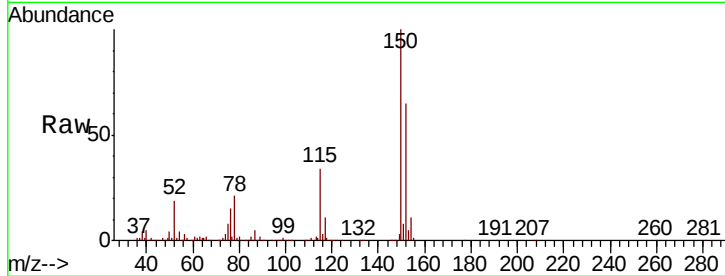


#72

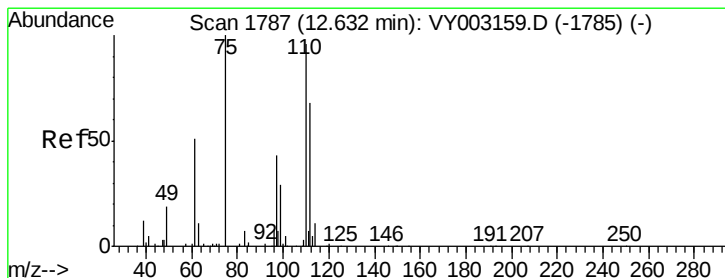
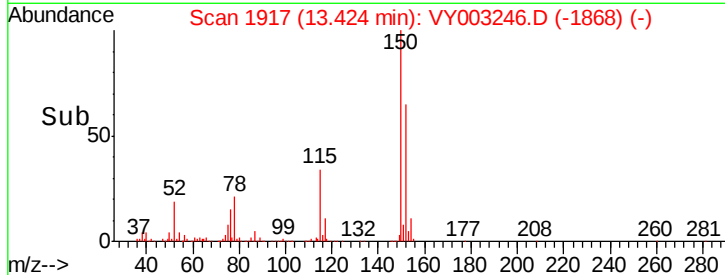
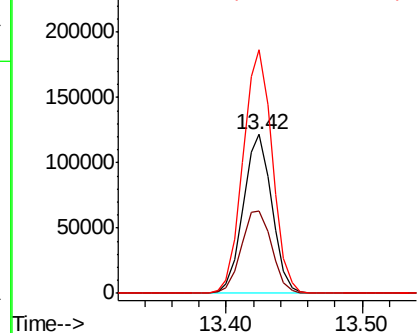
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003246.D
Acq: 20 Jul 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
20

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	26.9	80.7
150	156.6	0.0	338.0



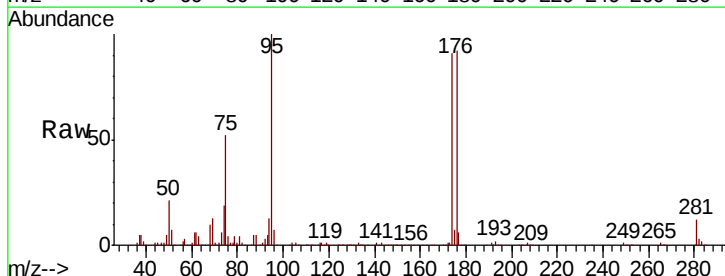
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



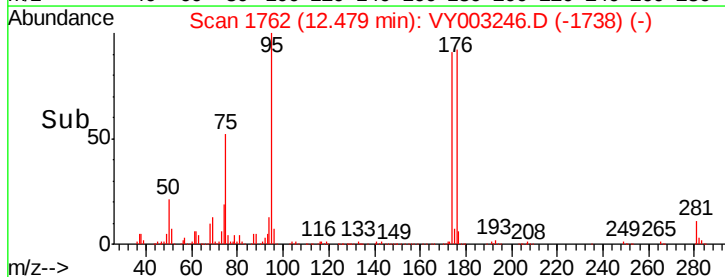
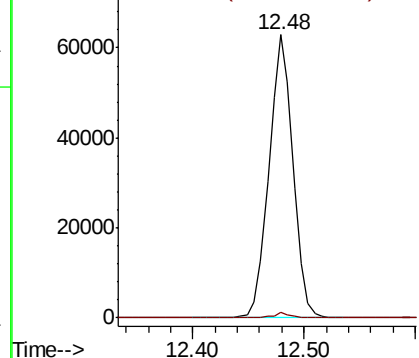
#76

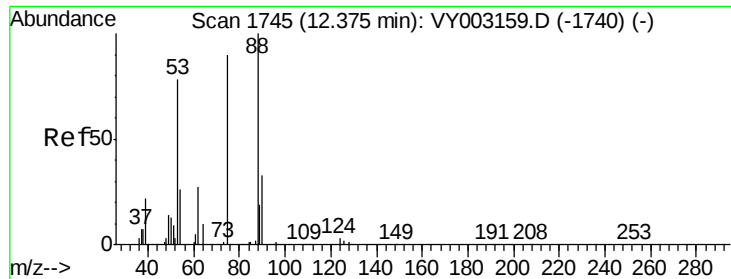
1,2,3-Trichloropropane
Concen: 59.612 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003246.D
Acq: 20 Jul 2020 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 116.016 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003246.D

Acq: 20 Jul 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

20

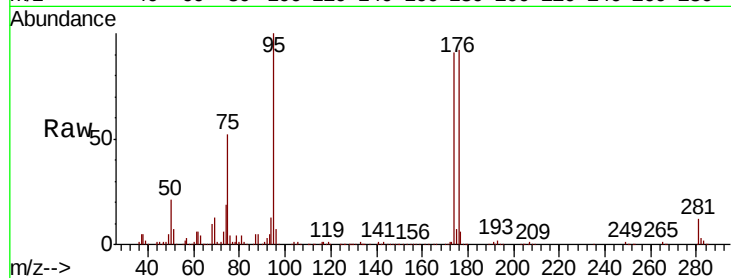
Tot Ion: 75 Resp: 94518

Ion Ratio Lower Upper

75 100

53 0.1 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

