

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072820\
 Data File : VY003377.D
 Acq On : 28 Jul 2020 15:58
 Operator : SY/MD
 Sample : L3449-02RE
 Misc : 7.25G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 29 02:34:51 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	426953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	671695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	600072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	261699	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	217346	60.31	ug/l	0.00
Spiked Amount			Recovery	=	120.62%	
35) Dibromofluoromethane	7.72	113	204979	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	10.18	98	803488	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
62) 4-Bromofluorobenzene	12.48	95	245845	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

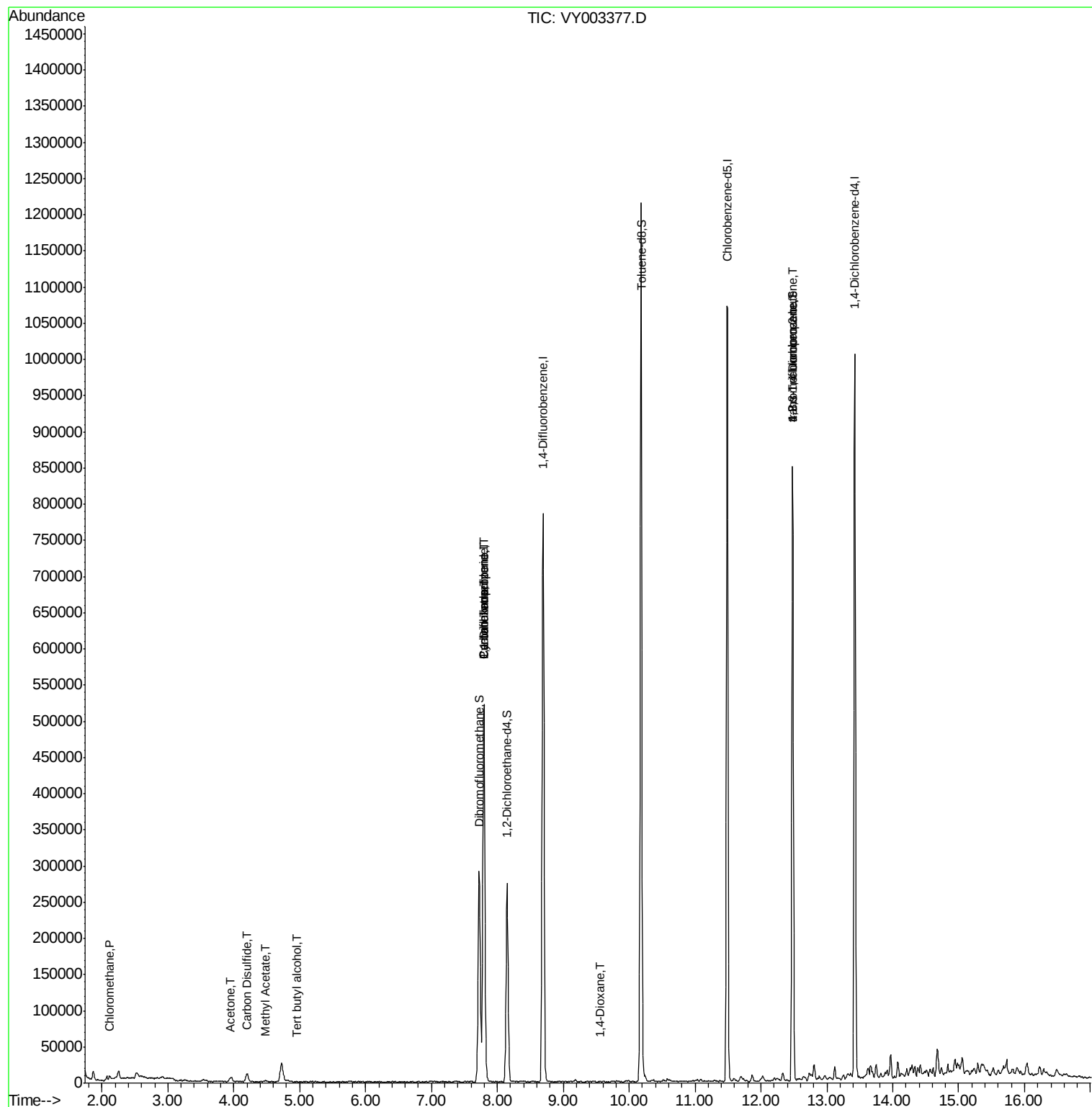
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	4280	1.008	ug/l	99
11) Tert butyl alcohol	4.94	59	604	1.550	ug/l #	83
16) Acetone	3.95	43	11202	13.916	ug/l	99
17) Carbon Disulfide	4.20	76	22079	2.025	ug/l	98
18) Methyl Acetate	4.48	43	2898	1.296	ug/l	96
20) Methylene Chloride	4.72	84	19745	Below Cal		95
31) Cyclohexane	7.79	56	8214	1.253	ug/l #	25
36) 1,1-Dichloropropene	7.80	75	29295	4.812	ug/l #	50
38) Carbon Tetrachloride	7.79	117	39162	6.231	ug/l #	17
49) 1,4-Dioxane	9.56	88	33	1.026	ug/l #	25
76) 1,2,3-Trichloropropane	12.48	75	126239	54.496	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	126239	106.059	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: VY003377.D

Acq: 28 Jul 2020 15:58

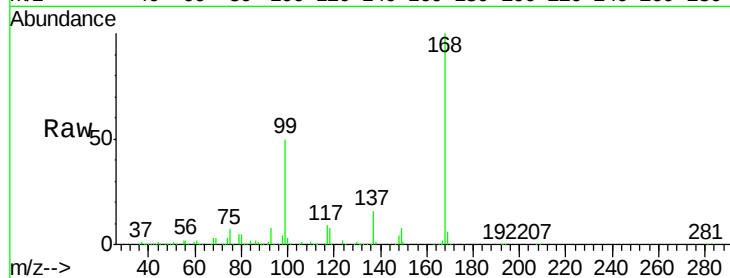
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 426953

Ion Ratio Lower Upper

168 100

99 49.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003377.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003377.D (-945) (-)

7.80

200000

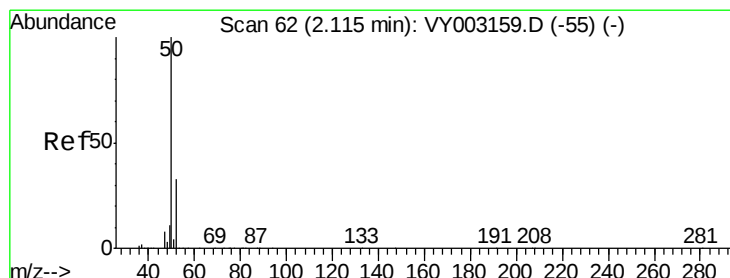
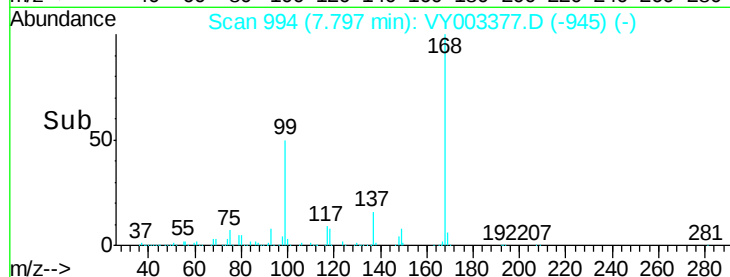
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.008 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003377.D

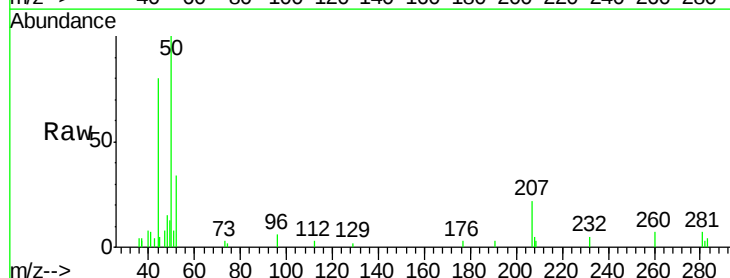
Acq: 28 Jul 2020 15:58

Tgt Ion: 50 Resp: 4280

Ion Ratio Lower Upper

50 100

52 33.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003377.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003377.D (-13) (-)

2.12

3000

2500

2000

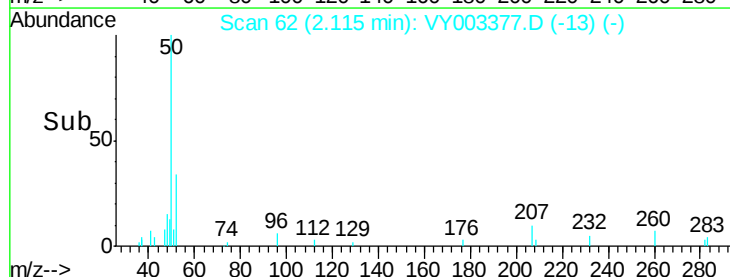
1500

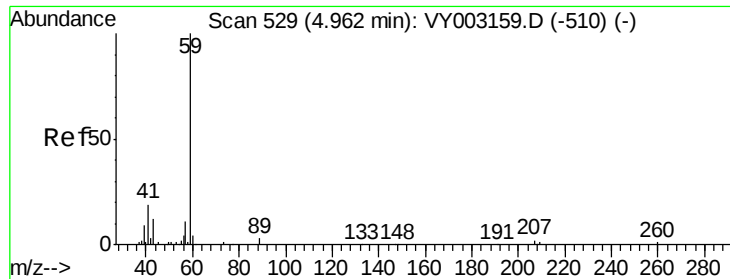
1000

500

0

Time-->

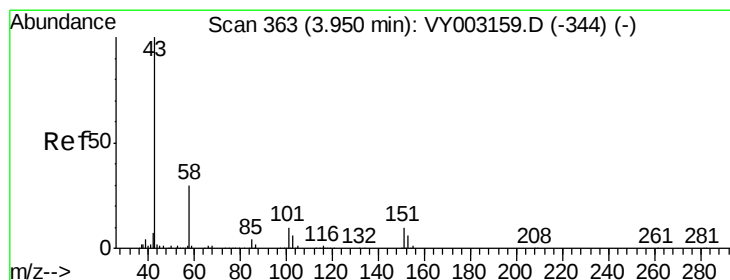
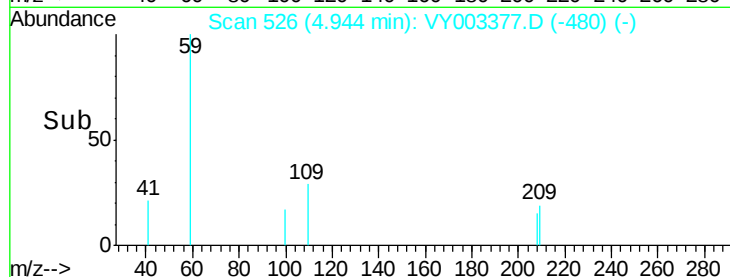
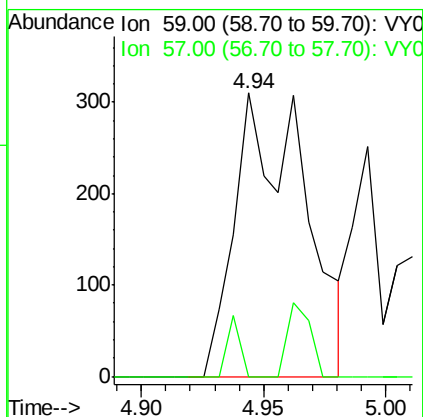
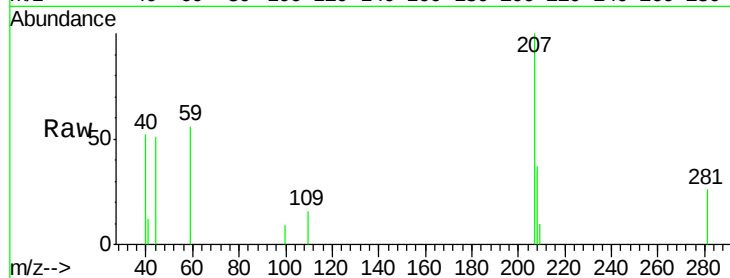




#11
Tert butyl alcohol
Concen: 1.550 ug/l
RT: 4.94 min Scan# 526
Delta R.T. -0.02 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

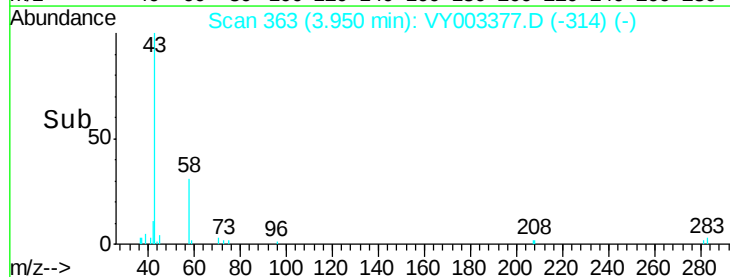
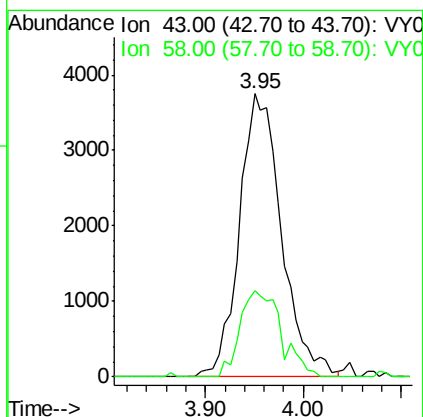
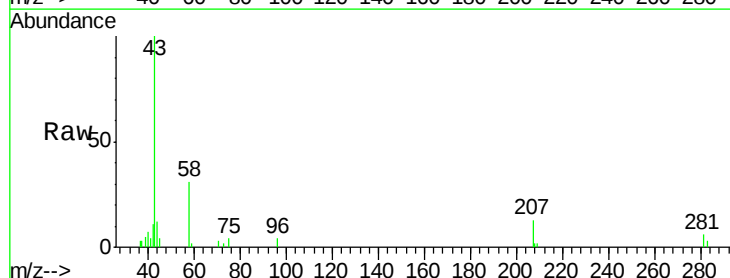
Instrument :
MSVOA_Y
ClientSampleId :

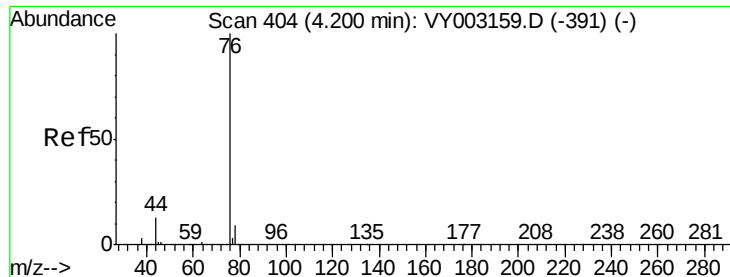
Tot Ion: 59 Resp: 604
Ion Ratio Lower Upper
59 100
57 4.0 8.4 12.6#



#16
Acetone
Concen: 13.916 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

Tgt Ion: 43 Resp: 11202
Ion Ratio Lower Upper
43 100
58 30.5 23.8 35.6

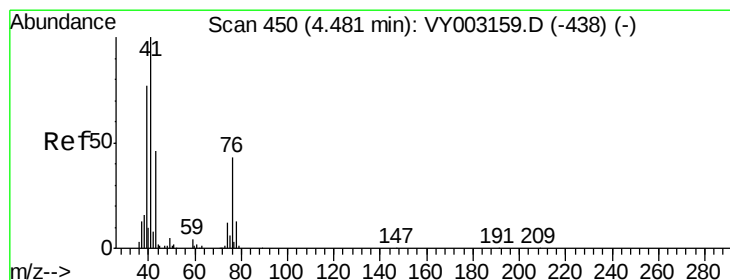
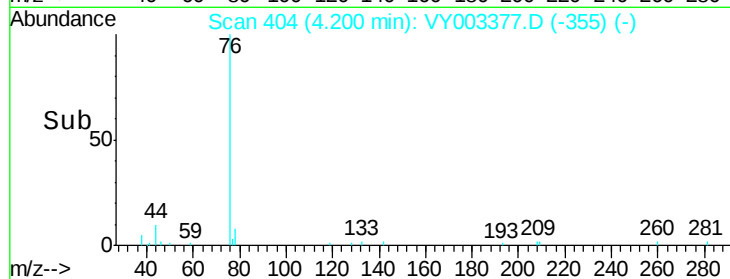
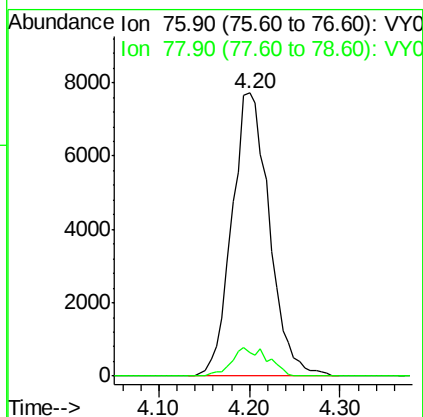
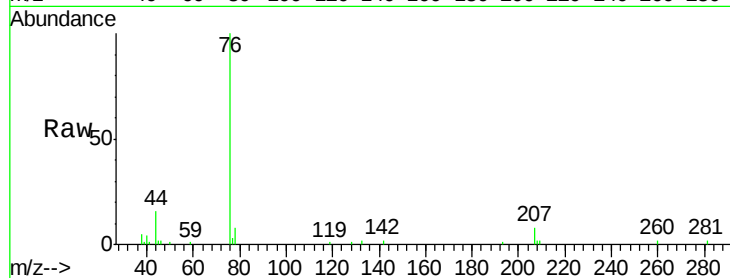




#17
Carbon Disulfide
Concen: 2.025 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

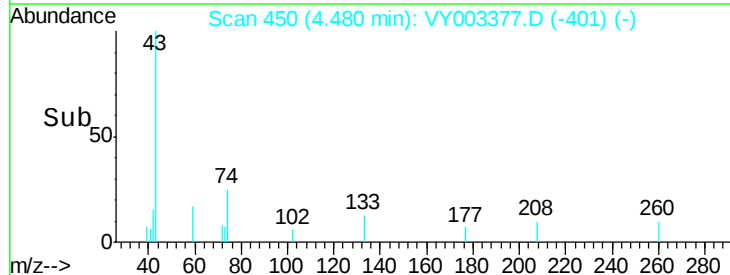
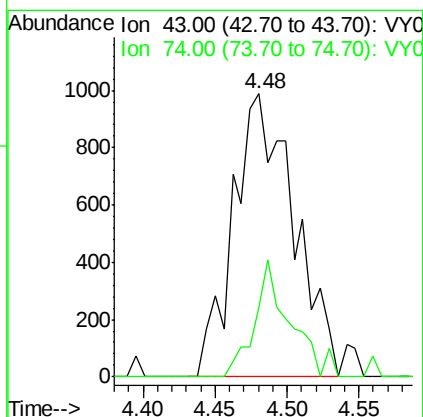
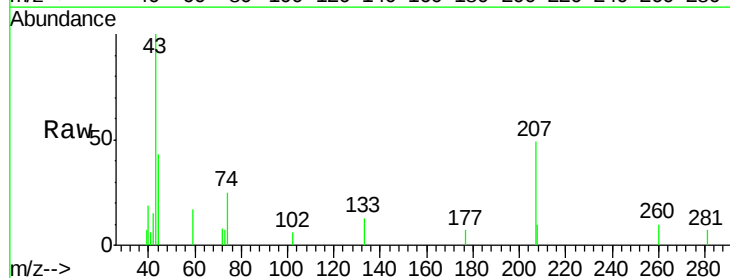
Instrument :
MSVOA_Y
ClientSampleId :

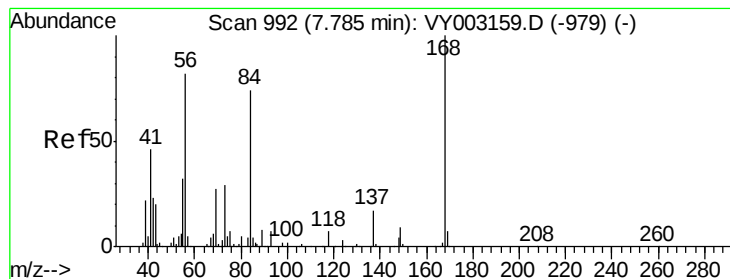
Tot Ion: 76 Resp: 22079
Ion Ratio Lower Upper
76 100
78 8.3 7.3 10.9



#18
Methyl Acetate
Concen: 1.296 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

Tgt Ion: 43 Resp: 2898
Ion Ratio Lower Upper
43 100
74 24.1 20.8 31.2





#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003377.D

Acq: 28 Jul 2020 15:58

Instrument :

MSVOA_Y

ClientSampleId :

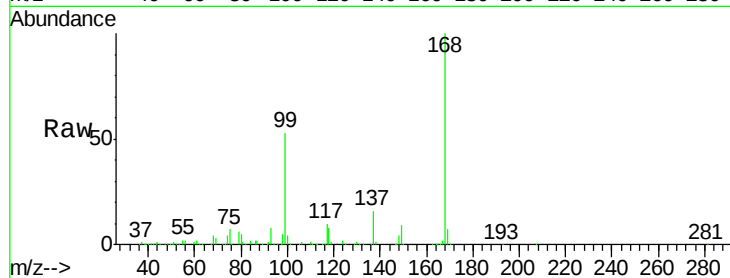
Tot Ion: 56 Resp: 8214

Ion Ratio Lower Upper

56 100

69 149.9 26.7 40.1#

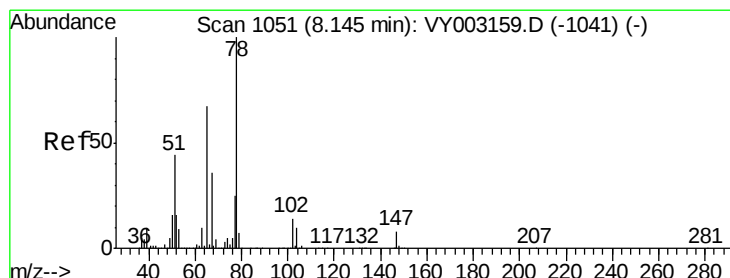
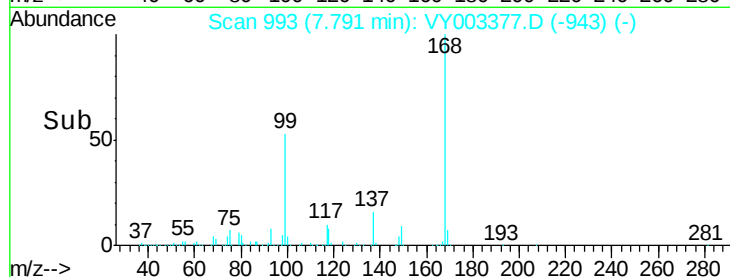
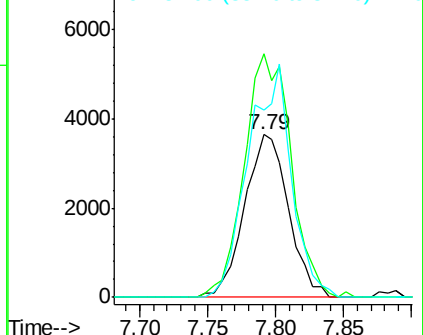
84 115.3 72.3 108.5#



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: 60.313 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003377.D

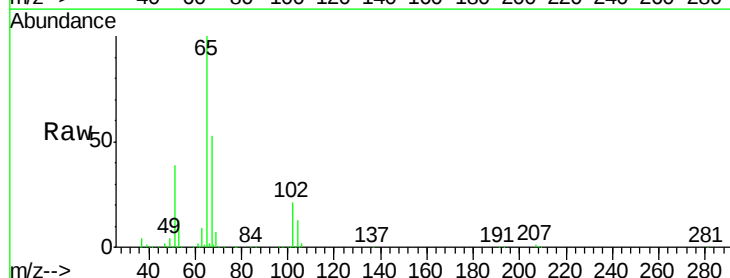
Acq: 28 Jul 2020 15:58

Tgt Ion: 65 Resp: 217346

Ion Ratio Lower Upper

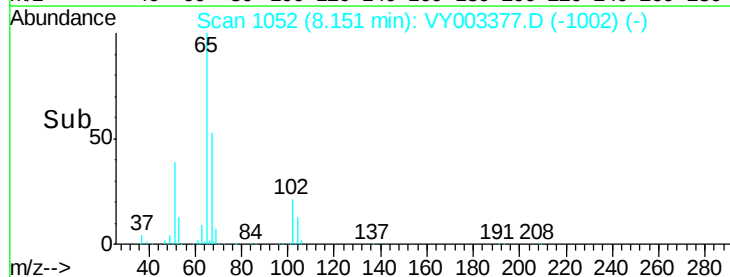
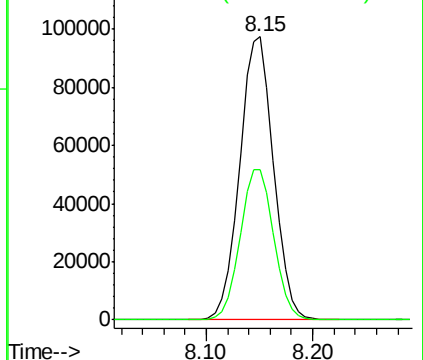
65 100

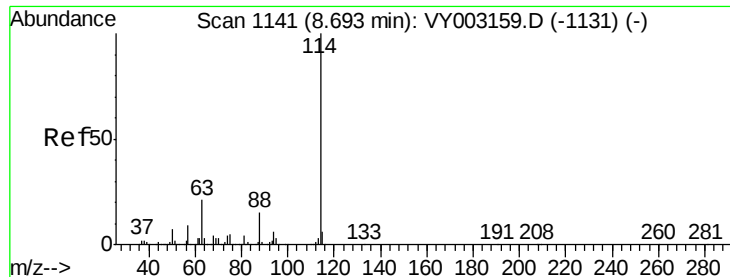
67 52.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

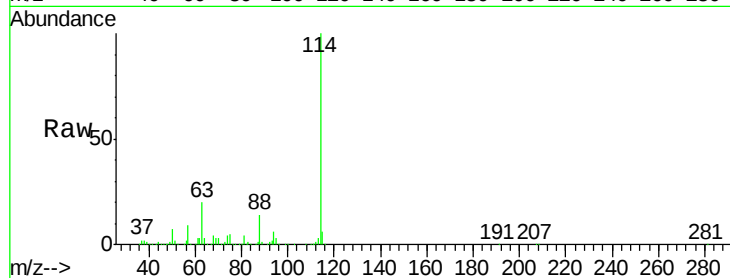




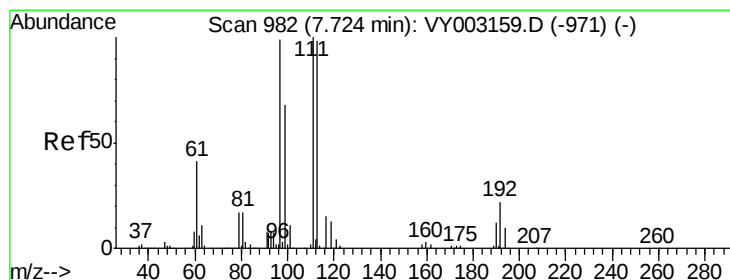
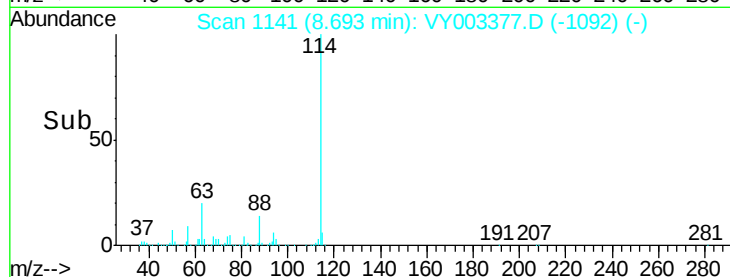
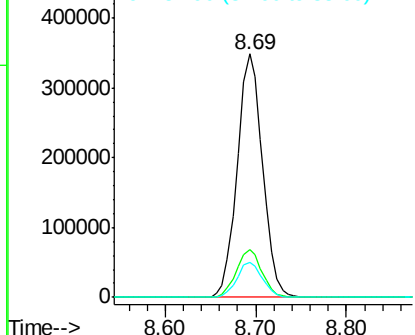
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003377.D
 Acq: 28 Jul 2020 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.2
88	14.2	0.0	30.2

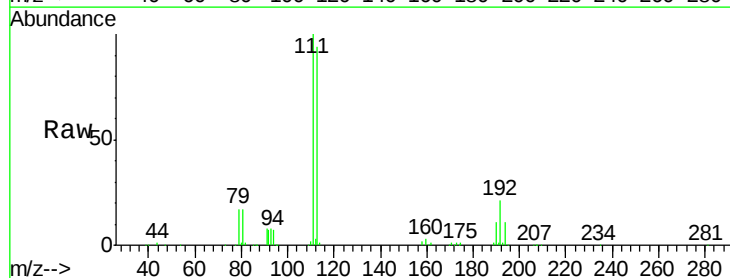


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

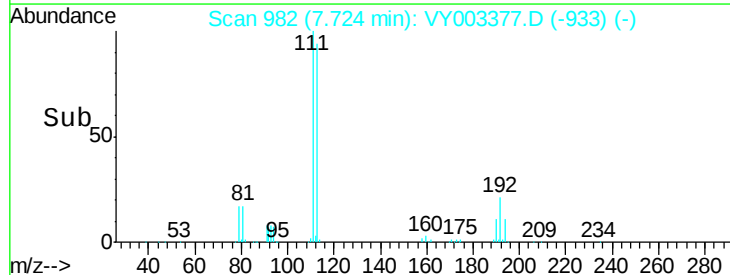
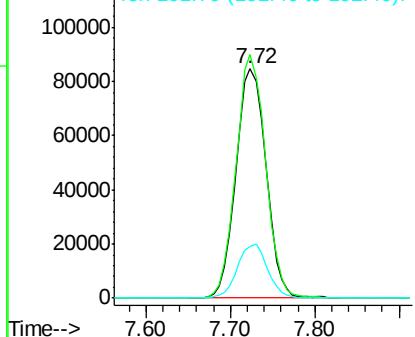


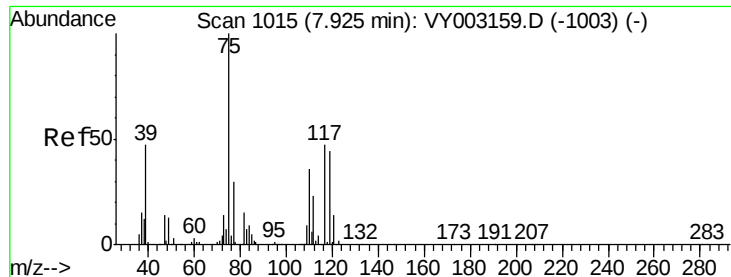
#35
 Dibromofluoromethane
 Concen: 53.029 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003377.D
 Acq: 28 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.1	123.1
192	23.3	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

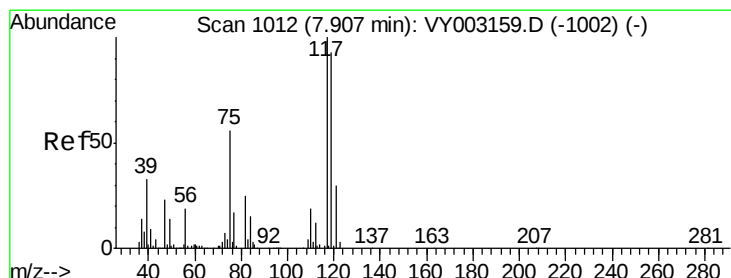
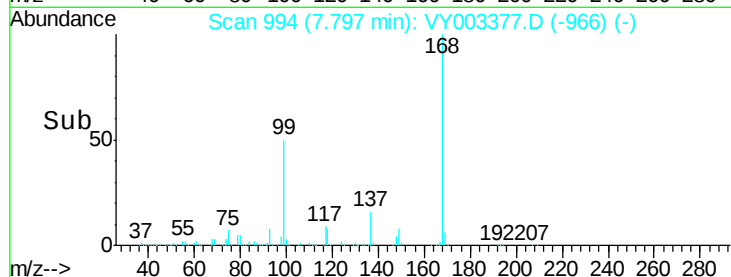
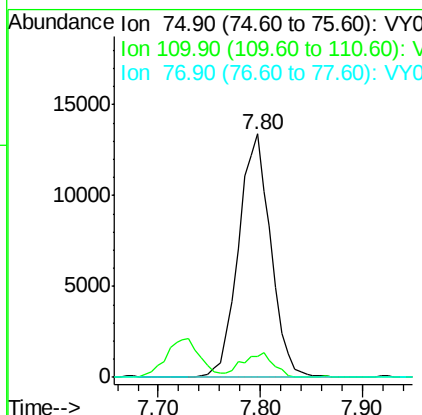
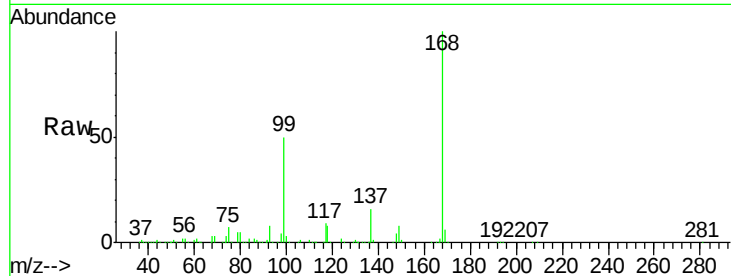




#36
 1,1-Dichloropropene
 Concen: 4.812 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003377.D
 Acq: 28 Jul 2020 15:58

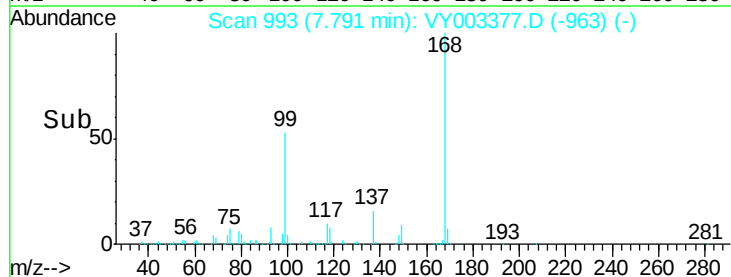
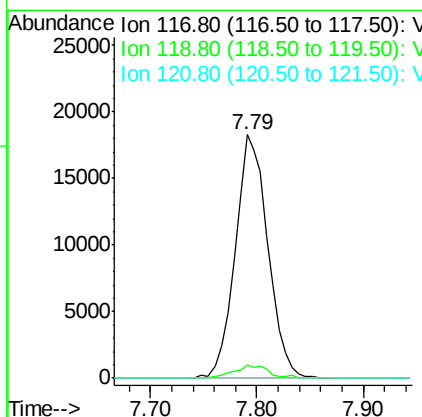
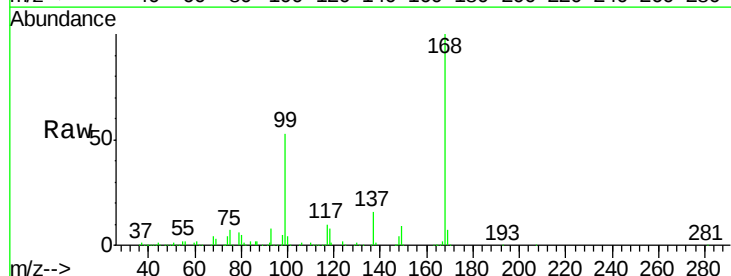
Instrument :
 MSVOA_Y
 ClientSampleId :

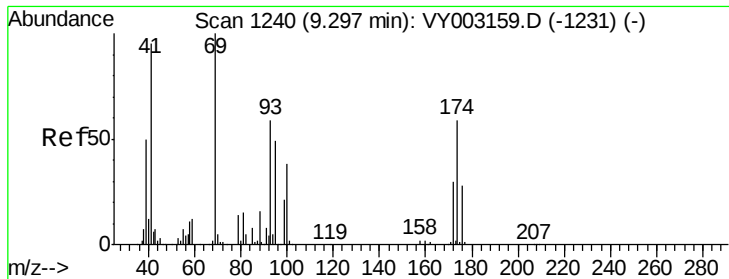
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.231 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003377.D
 Acq: 28 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.5	111.7#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 1.026 ug/l

RT: 9.56 min Scan# 1284

Delta R.T. 0.27 min

Lab File: VY003377.D

Acq: 28 Jul 2020 15:58

Instrument :
MSVOA_Y
ClientSampled :

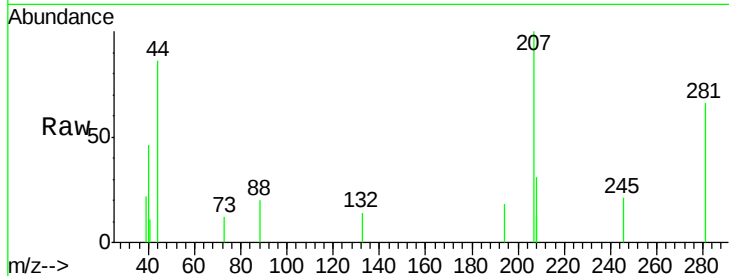
Tot Ion: 88 Resp: 33

Ion Ratio Lower Upper

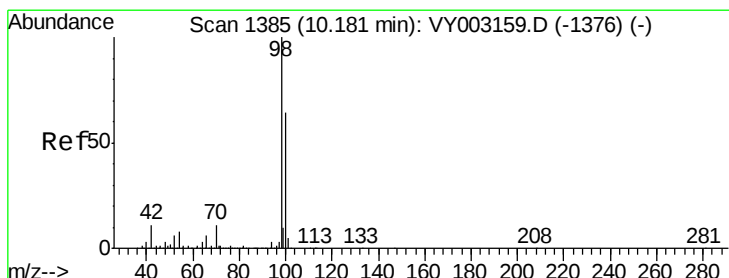
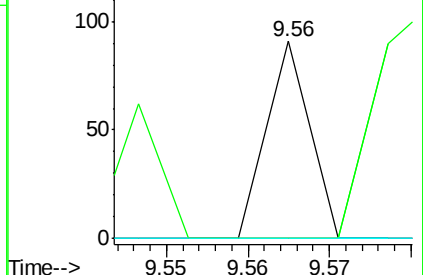
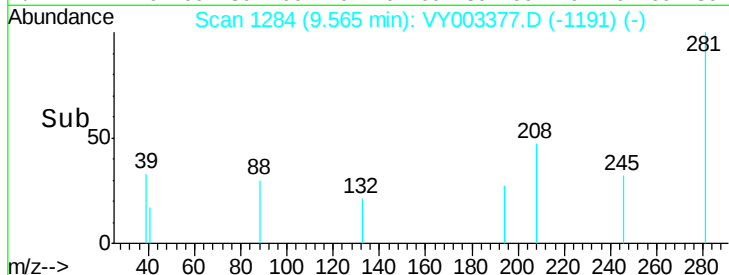
88 100

43 69.7 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: 55.910 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003377.D

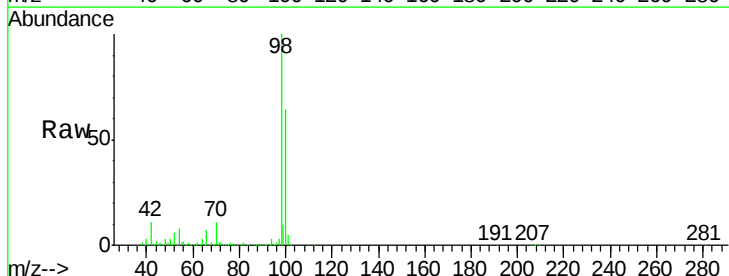
Acq: 28 Jul 2020 15:58

Tgt Ion: 98 Resp: 803488

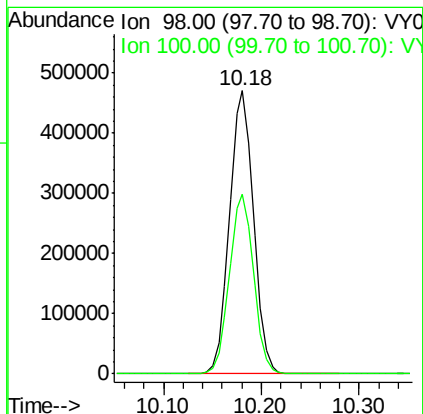
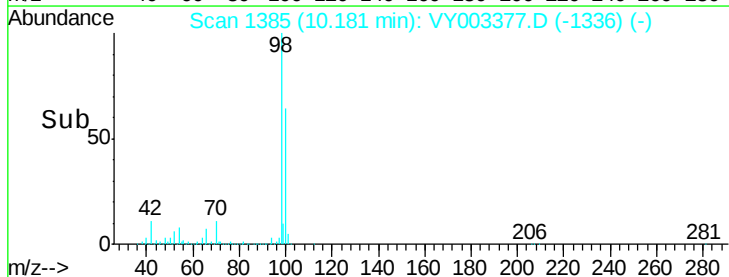
Ion Ratio Lower Upper

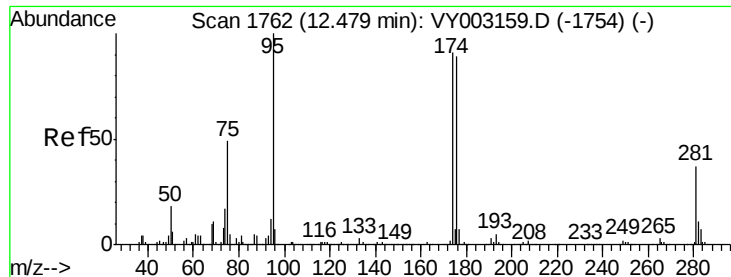
98 100

100 63.7 50.7 76.1



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

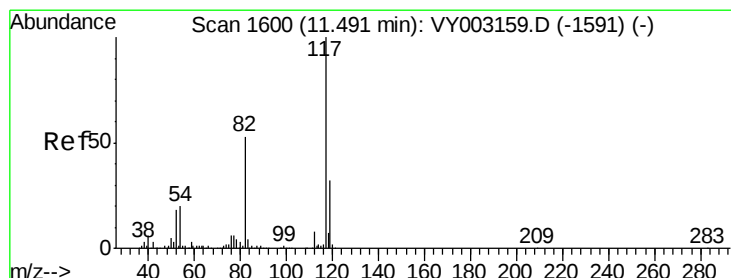
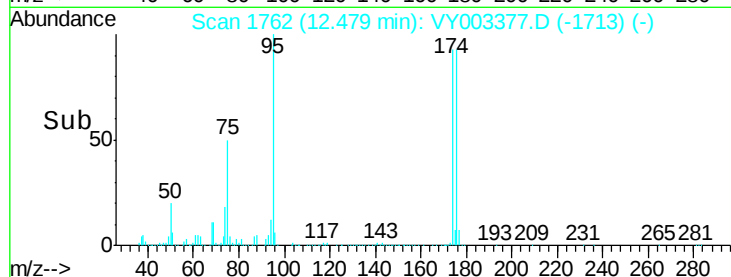
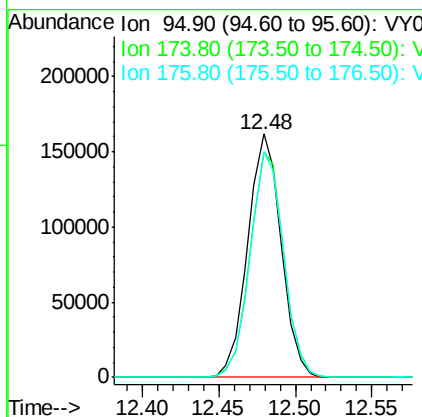
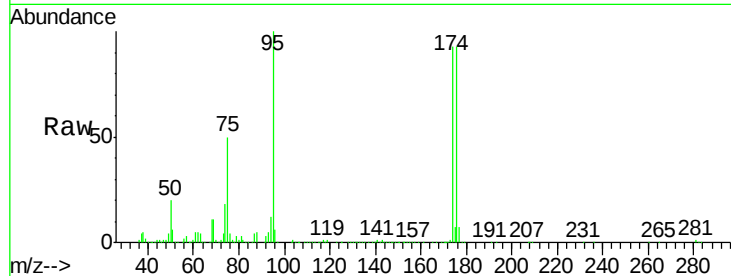




#62
4-Bromofluorobenzene
Concen: 47.353 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

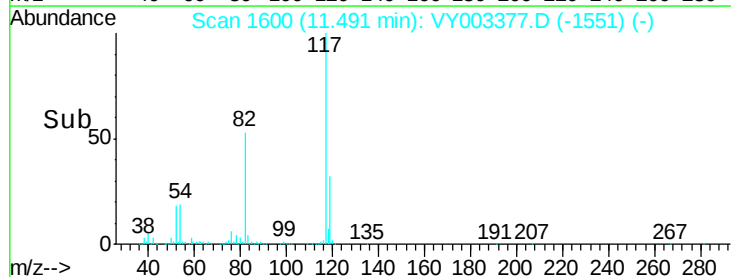
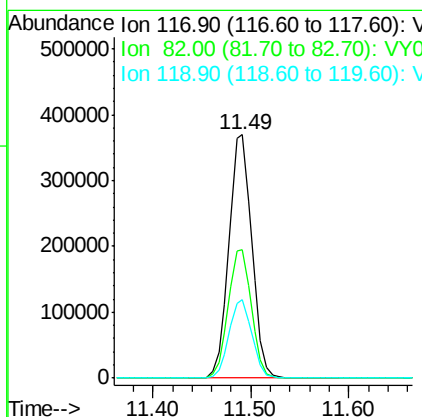
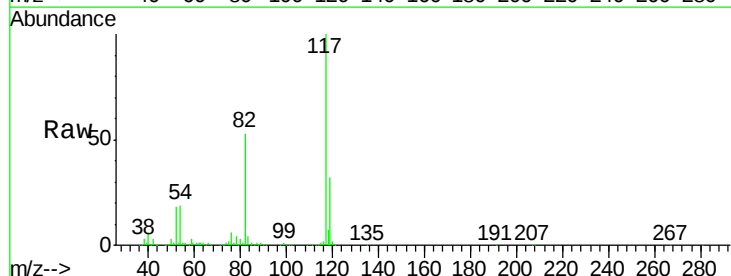
Instrument :
MSVOA_Y
ClientSampleId :

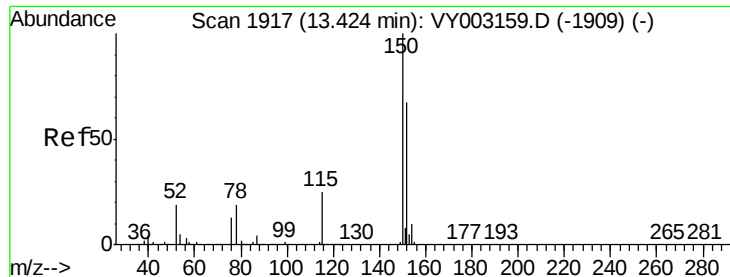
Tot Ion	95	Resp	245845
Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	190.6
176	92.0	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

Tgt Ion	117	Resp	600072
Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.0	63.0
119	32.0	25.5	38.3



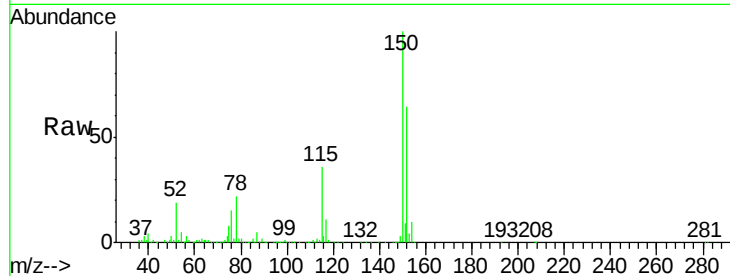


#72

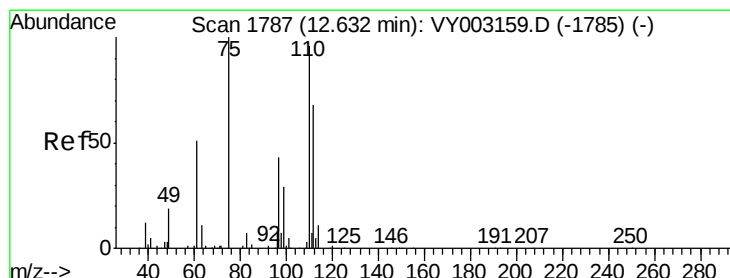
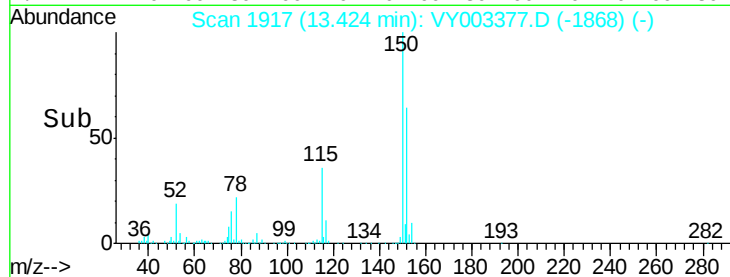
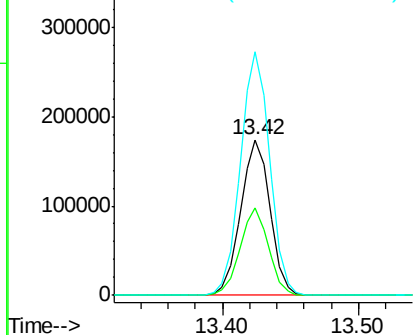
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.9	80.7
150	155.9	0.0	338.0



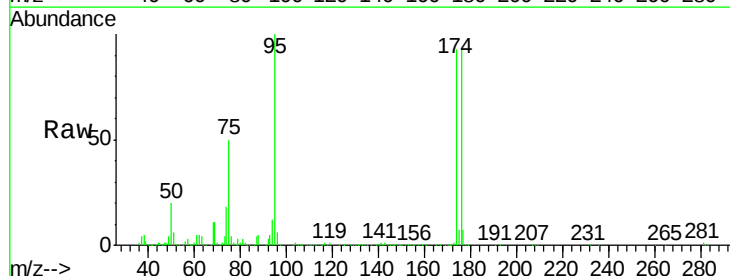
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



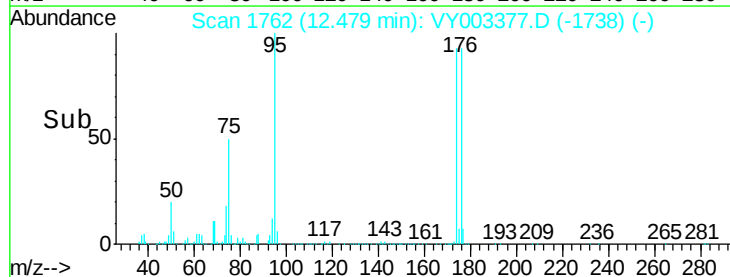
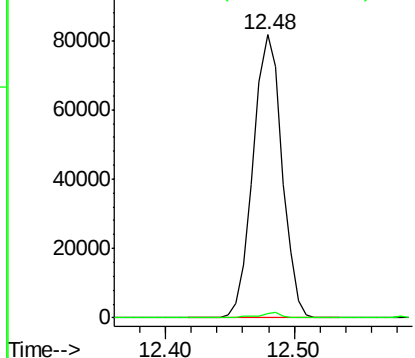
#76

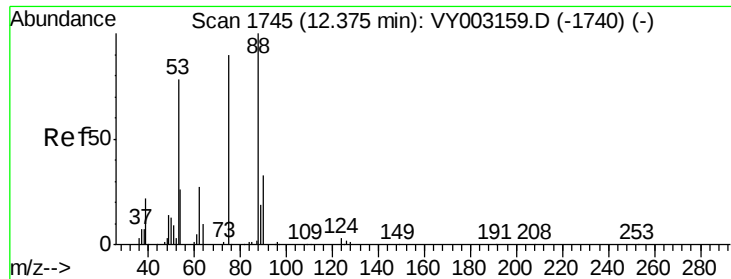
1,2,3-Trichloropropane
Concen: 54.496 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003377.D
Acq: 28 Jul 2020 15:58

Tgt 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: 106.059 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003377.D

Acq: 28 Jul 2020 15:58

Instrument :

MSVOA_Y

ClientSampleId :

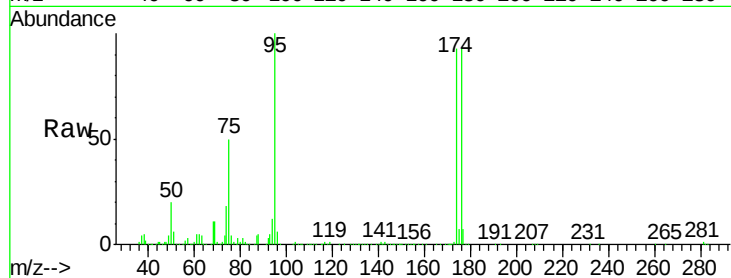
Tot Ion: 75 Resp: 126239

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

