

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003232.D
 Acq On : 20 Jul 2020 15:26
 Operator : SY/MD
 Sample : L3308-01RE
 Misc : 5.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1RE

Quant Time: Jul 21 03:18:16 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	228126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	334923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	267765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	98442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	129333	67.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.34%	
35) Dibromofluoromethane	7.72	113	110458	57.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.62%	
50) Toluene-d8	10.18	98	389757	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
62) 4-Bromofluorobenzene	12.48	95	105087	40.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.18%	

Target Compounds

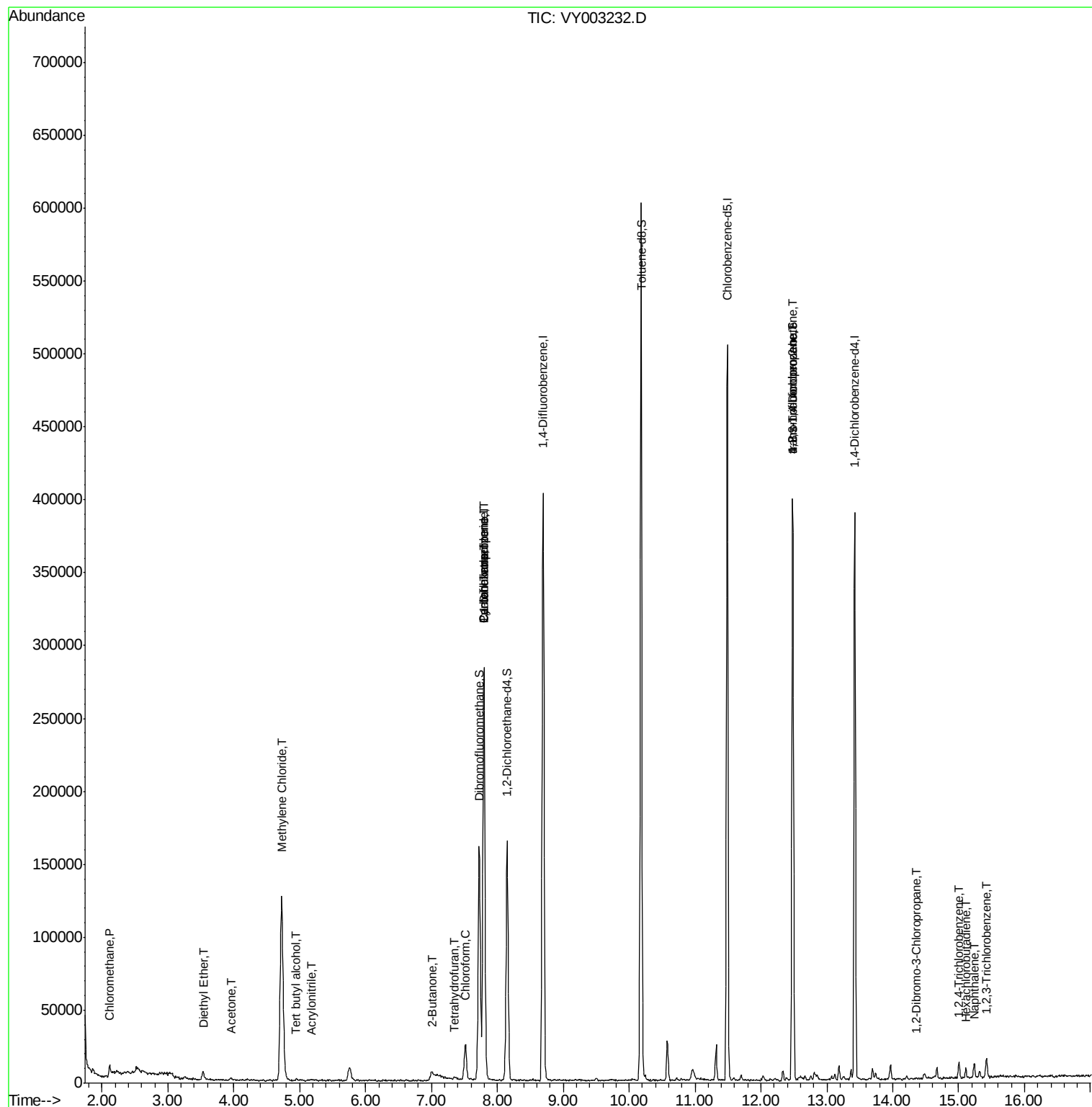
						Qvalue
3) Chloromethane	2.12	50	4491	1.980	ug/l	100
8) Diethyl Ether	3.54	74	2975	2.672	ug/l	82
11) Tert butyl alcohol	4.94	59	250	1.201	ug/l #	72
15) Acrylonitrile	5.18	53	573	1.071	ug/l #	77
16) Acetone	3.95	43	2747	6.387	ug/l #	73
20) Methylene Chloride	4.73	84	94480	42.878	ug/l	98
25) 2-Butanone	7.02	43	781	1.106	ug/l	95
29) Tetrahydrofuran	7.36	42	1195	2.519	ug/l	92
30) Chloroform	7.52	83	22836	6.122	ug/l	91
31) Cyclohexane	7.80	56	4571	1.305	ug/l #	38
36) 1,1-Dichloropropene	7.80	75	16902	5.568	ug/l #	50
38) Carbon Tetrachloride	7.80	117	21590	6.890	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	57869	66.411	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	57869	129.248	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.36	75	232	1.181	ug/l	90
93) 1,2,4-Trichlorobenzene	15.00	180	3101	1.643	ug/l	91
94) Hexachlorobutadiene	15.11	225	1377	1.064	ug/l	89
95) Naphthalene	15.24	128	7845	2.514	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.43	180	3868	2.592	ug/l	97

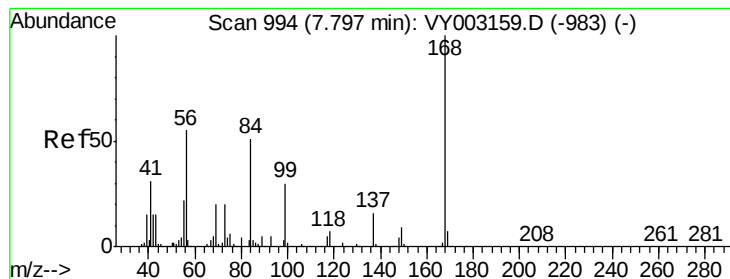
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
Data File : VY003232.D
Acq On : 20 Jul 2020 15:26
Operator : SY/MD
Sample : L3308-01RE
Misc : 5.07G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1RE

Quant Time: Jul 21 03:18:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
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: VY003232.D

Acq: 20 Jul 2020 15:26

Instrument :

MSVOA_Y

ClientSampled :

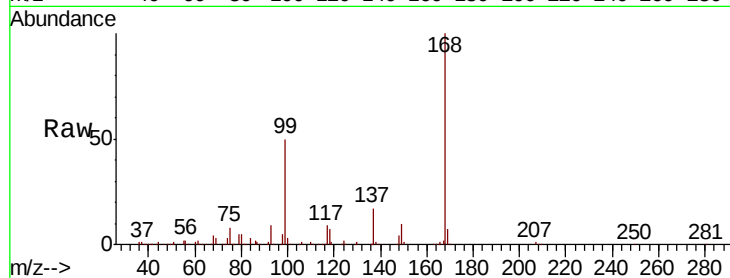
1RE

Tot Ion:168 Resp: 228126

Ion Ratio Lower Upper

168 100

99 49.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003232.D (-13) (-)

Ion 98.90 (98.60 to 99.60): VY003232.D (-13) (-)

7.80

100000

80000

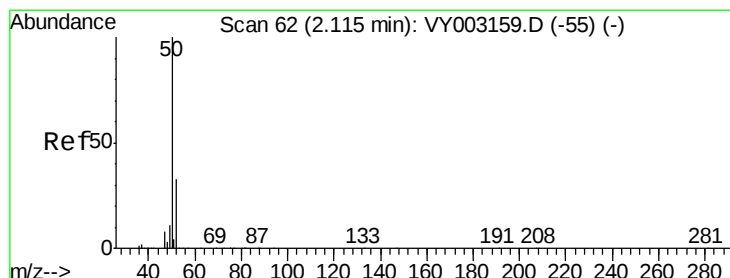
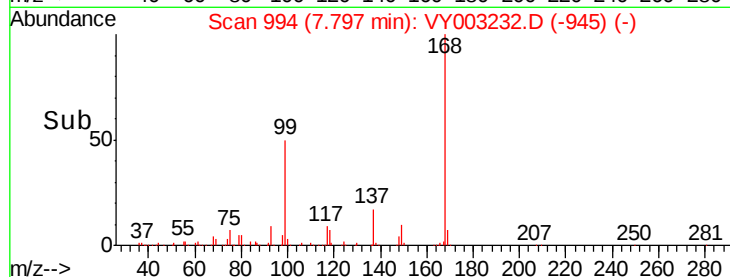
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.980 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003232.D

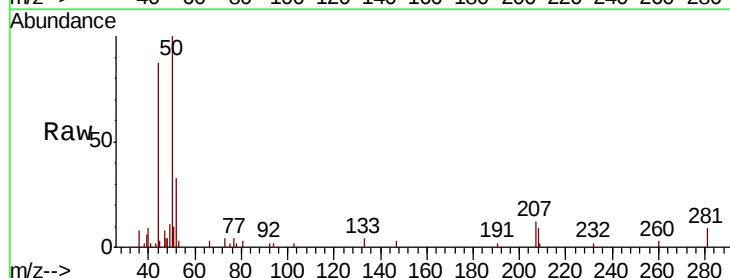
Acq: 20 Jul 2020 15:26

Tgt Ion: 50 Resp: 4491

Ion Ratio Lower Upper

50 100

52 33.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003232.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003232.D (-13) (-)

2.12

4000

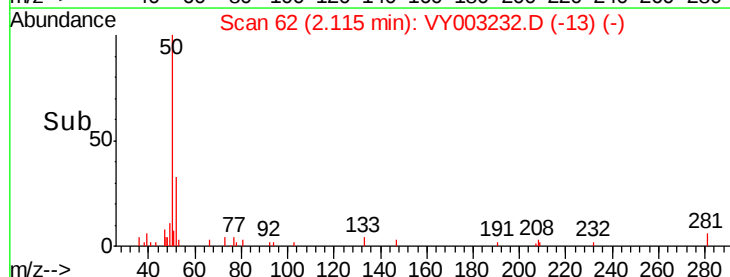
3000

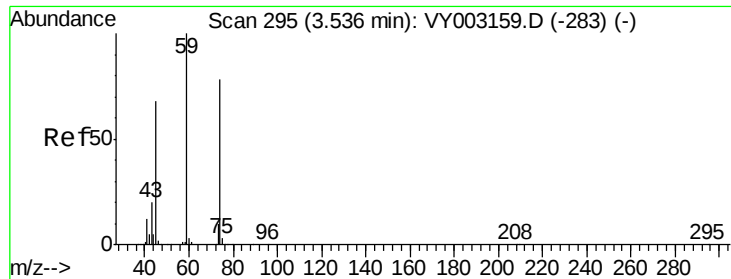
2000

1000

0

Time-->





#8

Diethyl Ether

Concen: 2.672 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY003232.D

Acq: 20 Jul 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

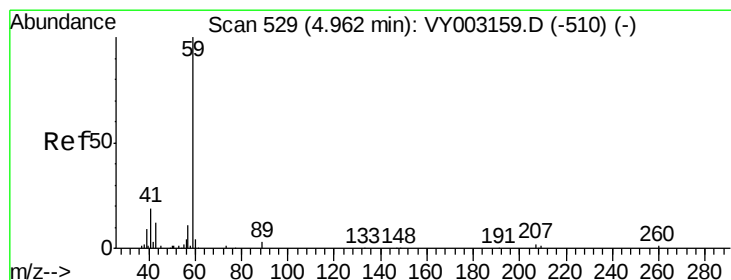
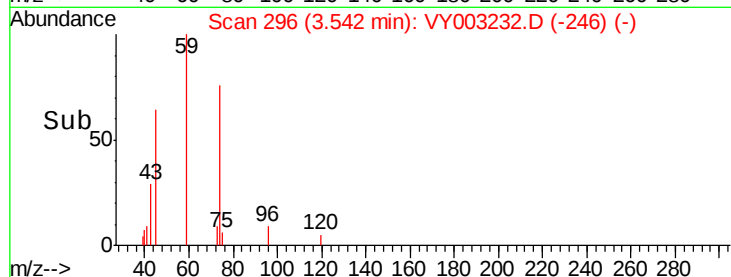
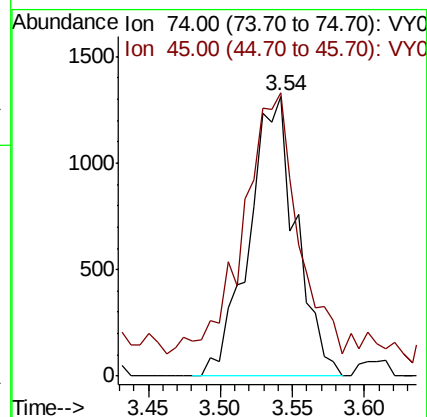
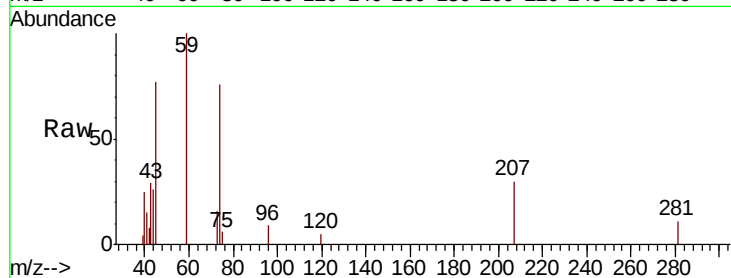
1RE

Tot Ion: 74 Resp: 2975

Ion Ratio Lower Upper

74 100

45 107.1 45.3 135.8



#11

Tert butyl alcohol

Concen: 1.201 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY003232.D

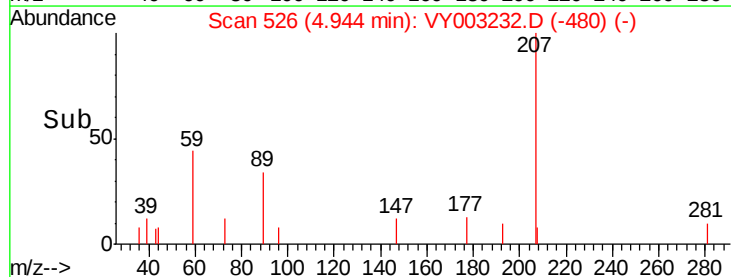
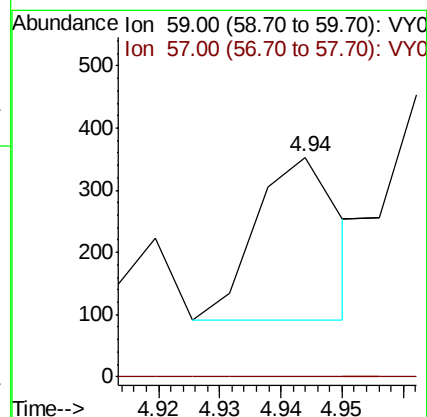
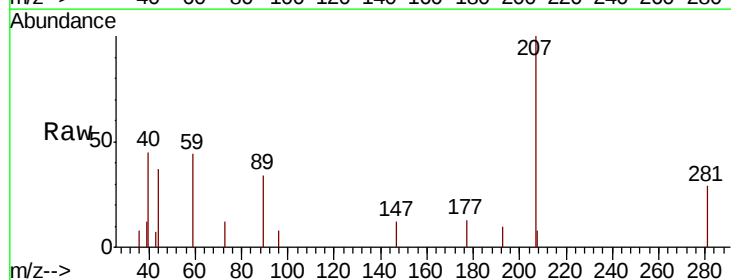
Acq: 20 Jul 2020 15:26

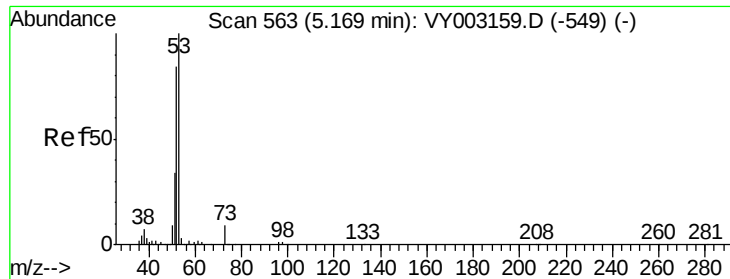
Tgt Ion: 59 Resp: 250

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#

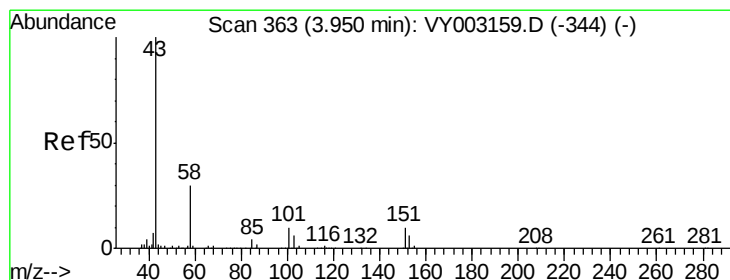
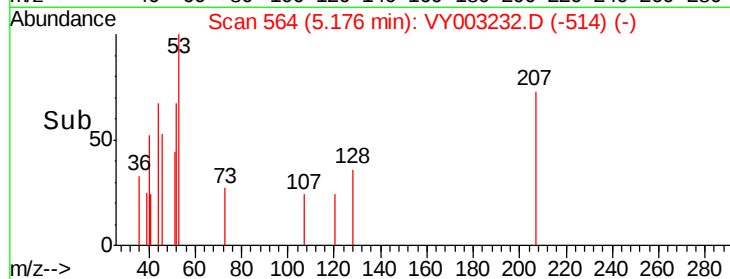
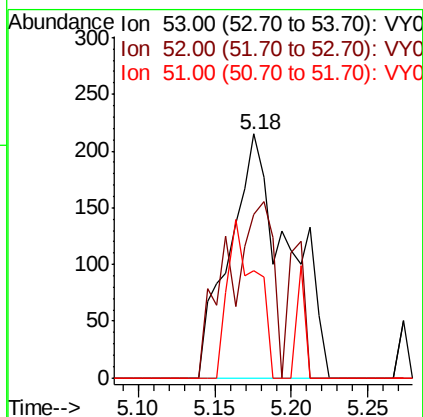
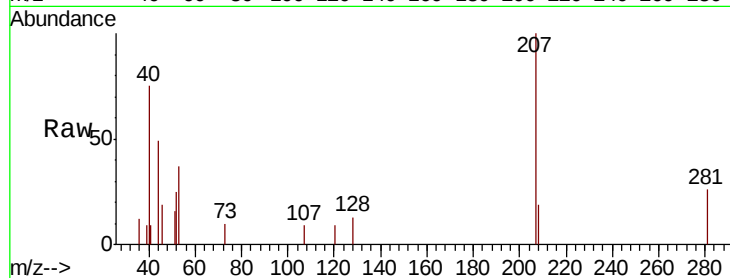




#15
 Acrylonitrile
 Concen: 1.071 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

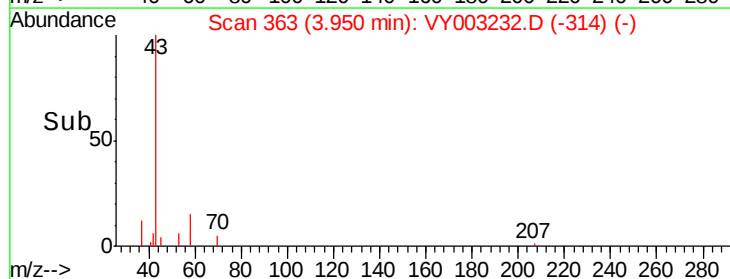
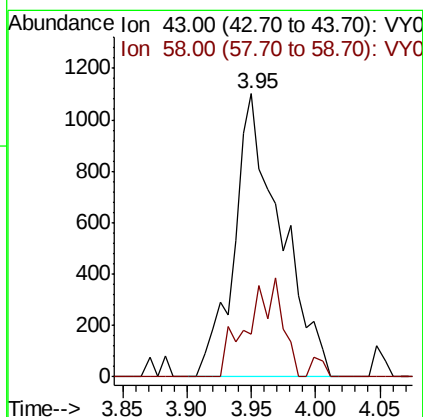
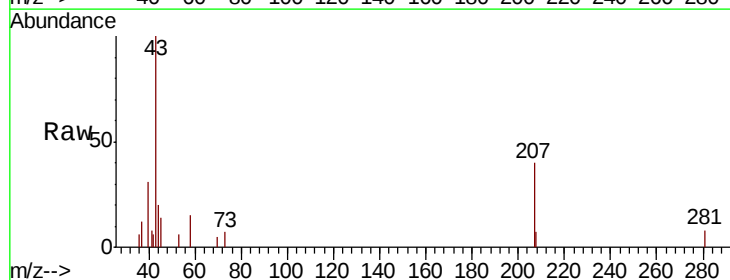
Instrument :
 MSVOA_Y
 ClientSampleId :
 1RE

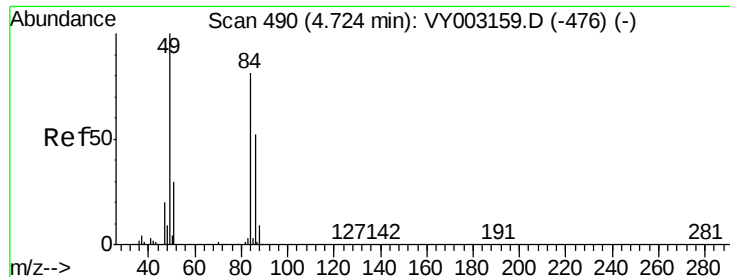
Tot Ion: 53 Resp: 573
 Ion Ratio Lower Upper
 53 100
 52 55.7 65.8 98.6#
 51 31.1 29.0 43.4



#16
 Acetone
 Concen: 6.387 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

Tgt Ion: 43 Resp: 2747
 Ion Ratio Lower Upper
 43 100
 58 15.2 23.8 35.6#

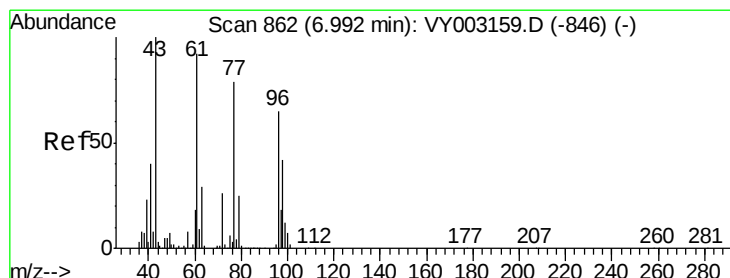
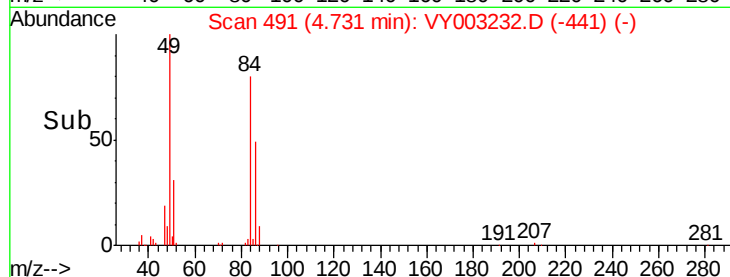
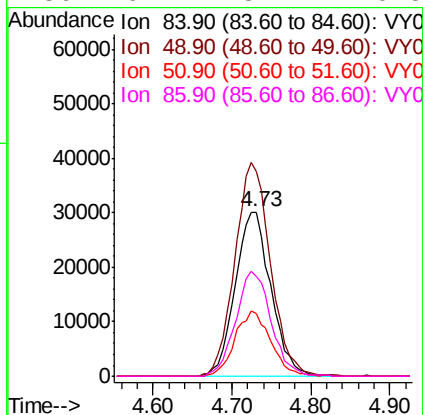
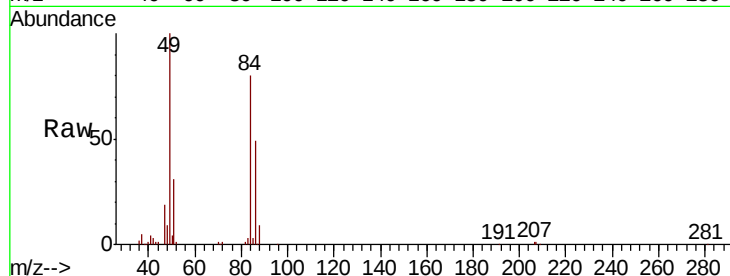




#20
Methvlene Chloride
Concen: 42.878 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

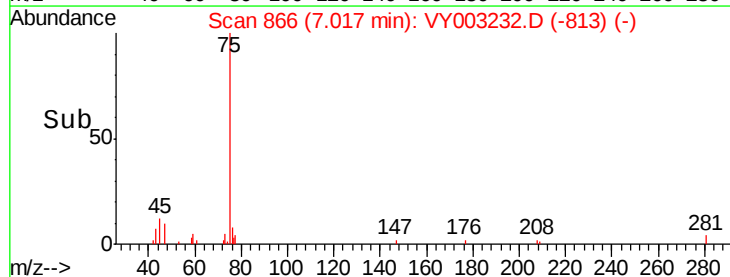
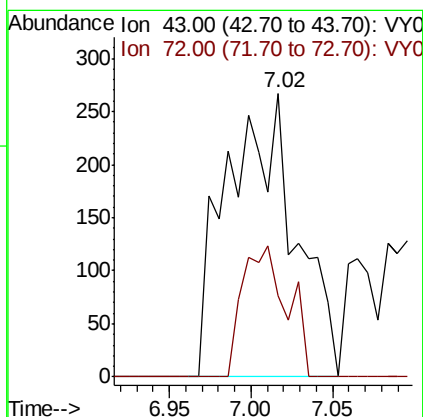
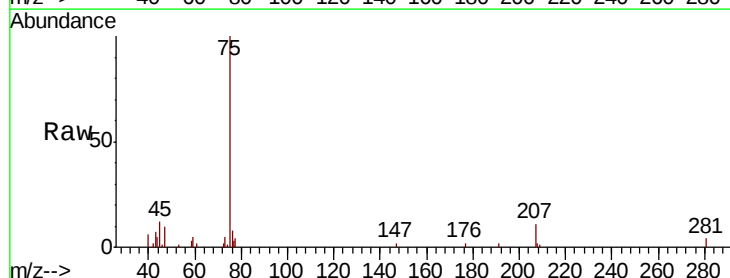
Instrument :
MSVOA_Y
ClientSampleId :
1RE

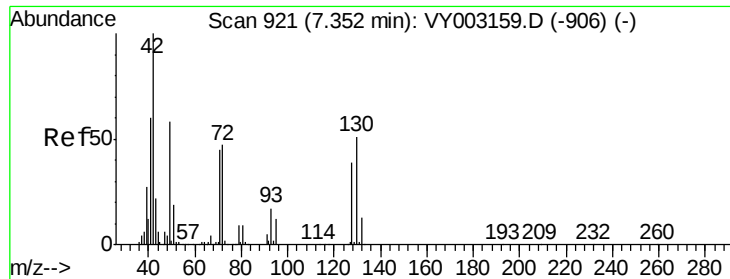
Tot Ion:	84	Resp:	94480
Ion	Ratio	Lower	Upper
84	100		
49	124.6	98.2	147.4
51	38.2	29.8	44.6
86	61.1	51.2	76.8



#25
2-Butanone
Concen: 1.106 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.02 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

Tgt Ion:	43	Resp:	781
Ion	Ratio	Lower	Upper
43	100		
72	28.5	20.9	31.3

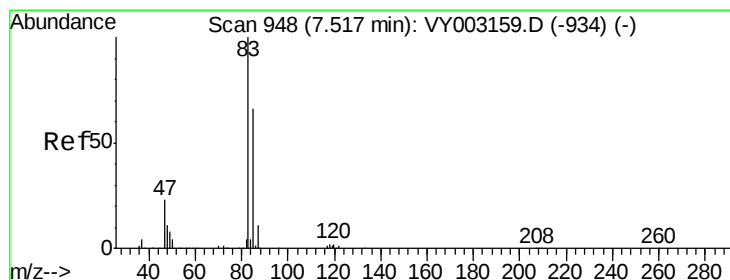
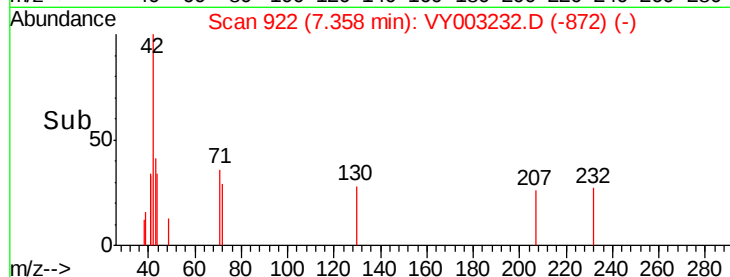
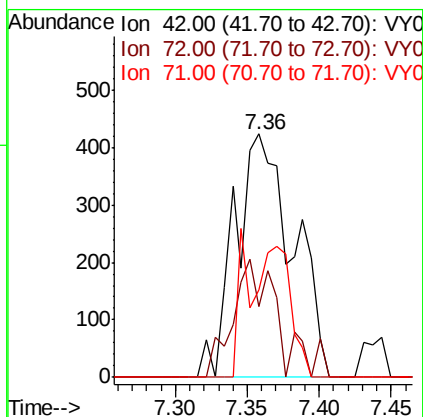
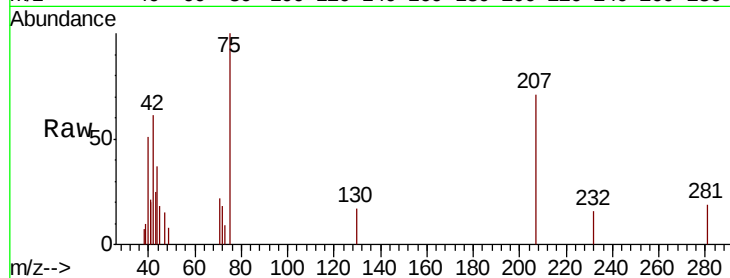




#29
Tetrahydrofuran
Concen: 2.519 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

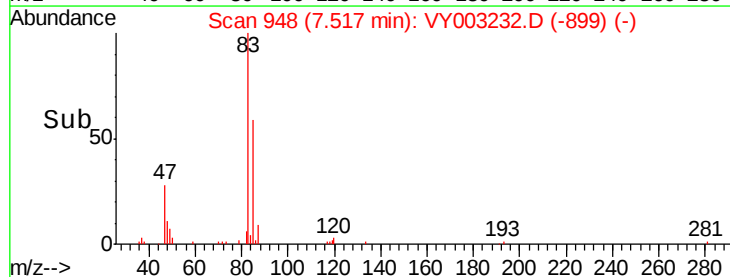
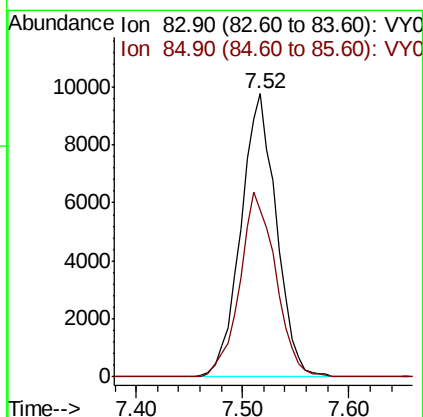
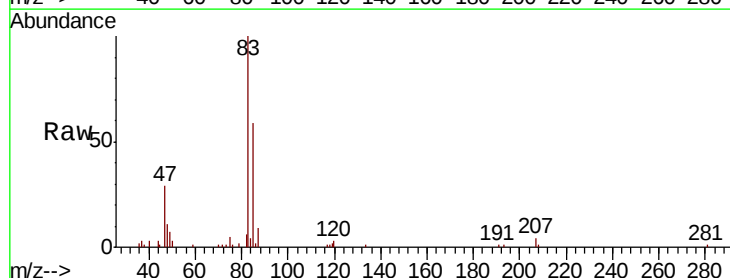
Instrument :
MSVOA_Y
ClientSampled :
1RE

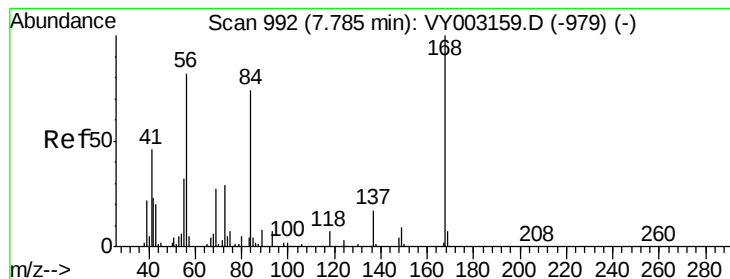
Tot Ion: 42 Resp: 1195
Ion Ratio Lower Upper
42 100
72 38.1 36.7 55.1
71 40.4 34.2 51.4



#30
Chloroform
Concen: 6.122 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

Tgt Ion: 83 Resp: 22836
Ion Ratio Lower Upper
83 100
85 58.9 52.6 78.8





#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003232.D

Acq: 20 Jul 2020 15:26

Instrument :

MSVOA_Y

ClientSampled :

1RE

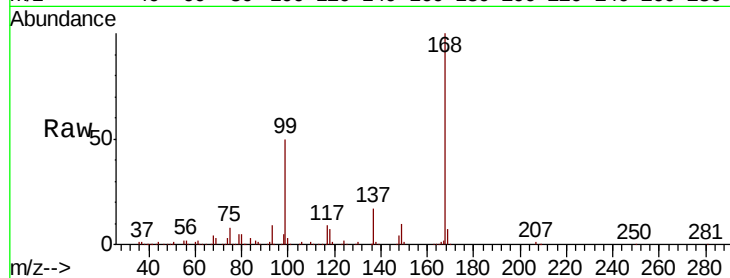
Tot Ion: 56 Resp: 4571

Ion Ratio Lower Upper

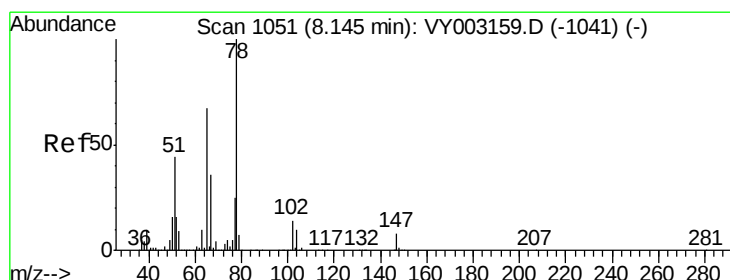
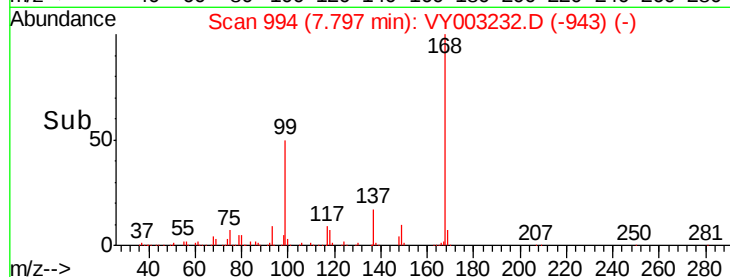
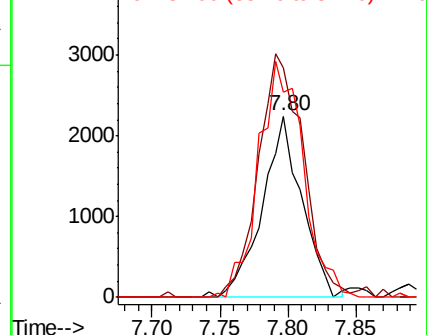
56 100

69 126.8 26.7 40.1#

84 112.9 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: 67.170 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003232.D

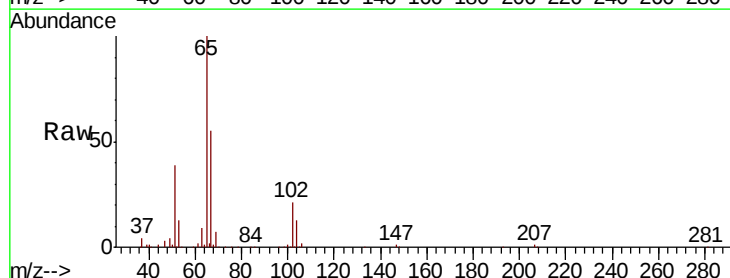
Acq: 20 Jul 2020 15:26

Tgt Ion: 65 Resp: 129333

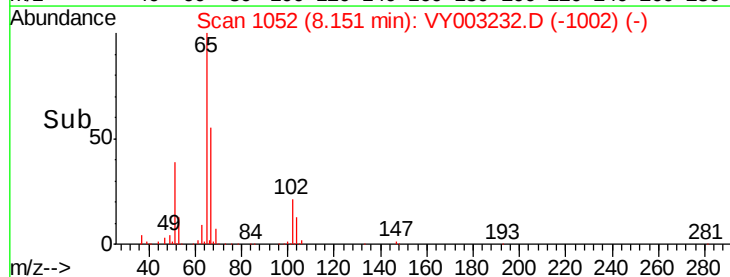
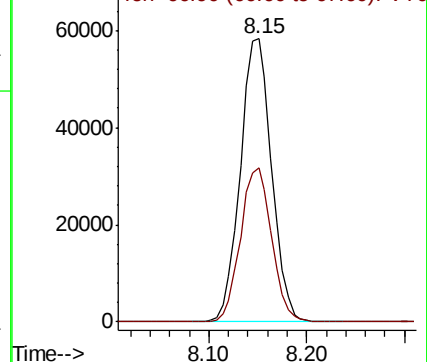
Ion Ratio Lower Upper

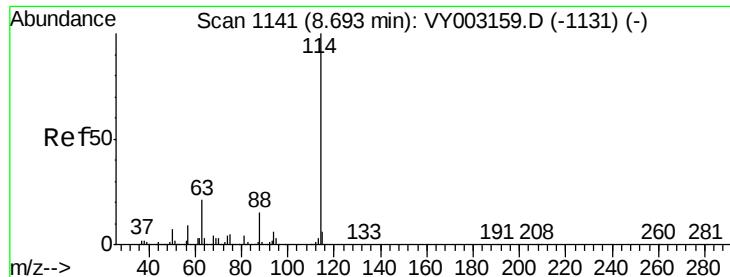
65 100

67 54.3 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: VY003232.D

Acq: 20 Jul 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

1RE

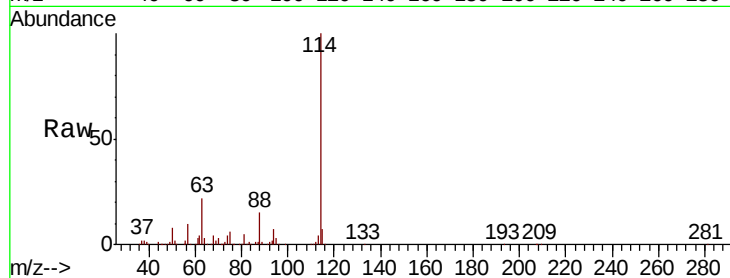
Tot Ion:114 Resp: 334923

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.2

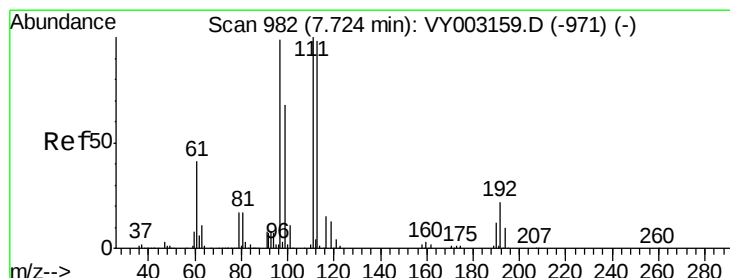
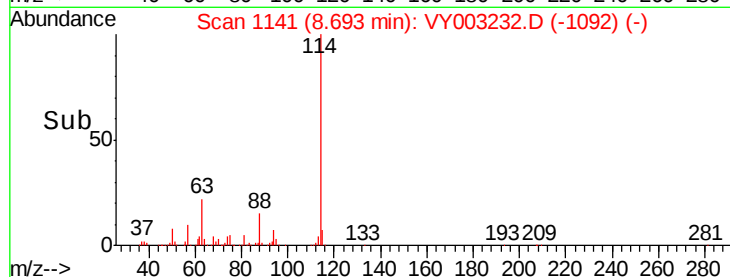
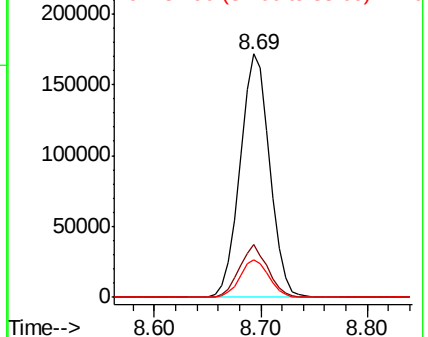
88 15.3 0.0 30.2



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: 57.309 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003232.D

Acq: 20 Jul 2020 15:26

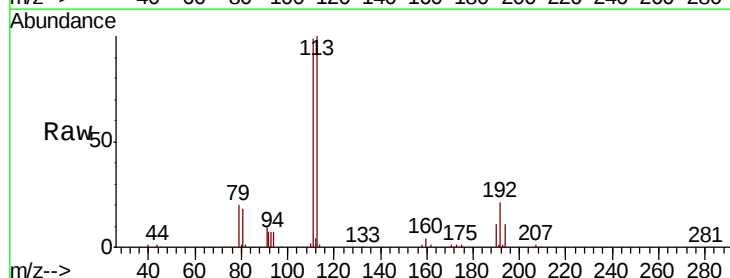
Tgt Ion:113 Resp: 110458

Ion Ratio Lower Upper

113 100

111 103.4 82.1 123.1

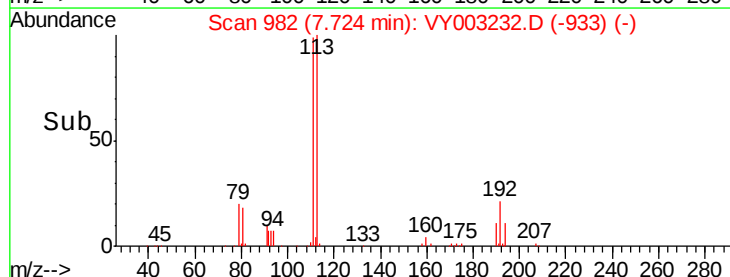
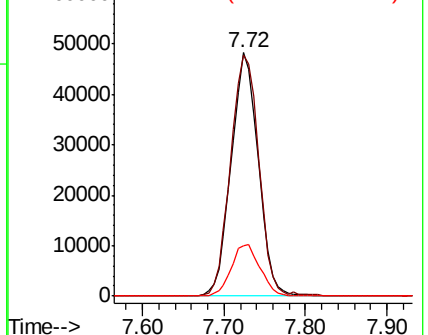
192 22.6 18.8 28.2

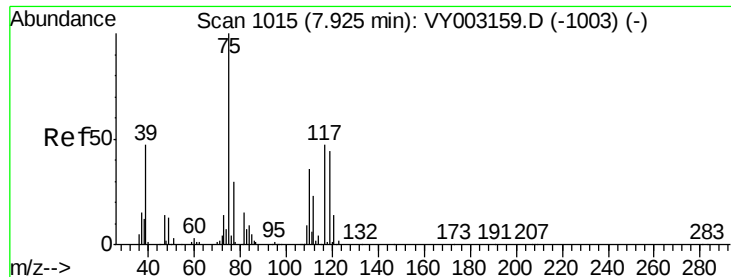


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

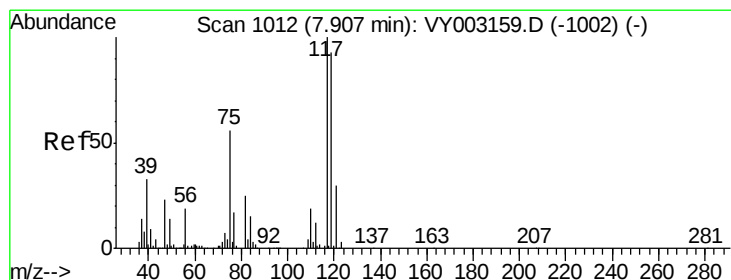
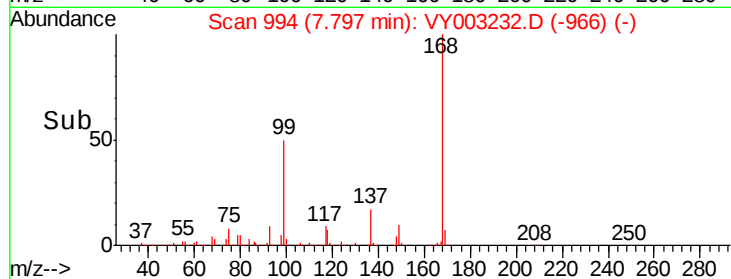
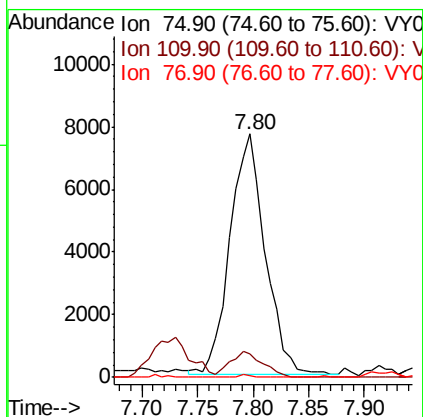
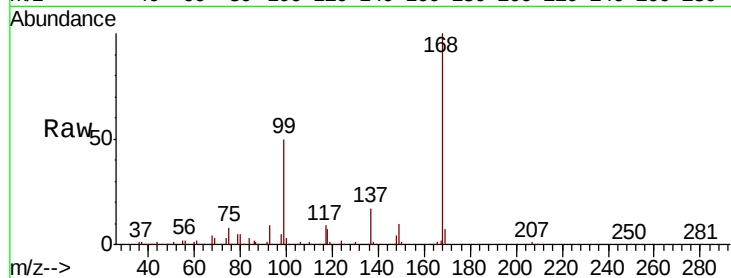




#36
 1,1-Dichloropropene
 Concen: 5.568 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

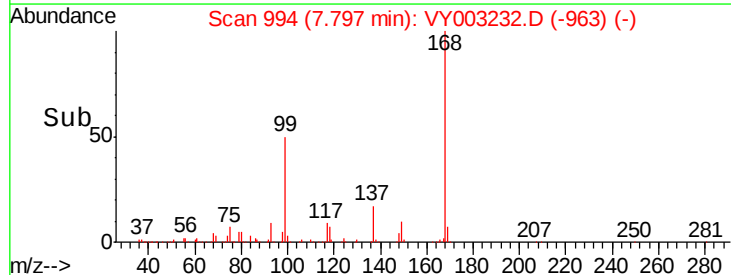
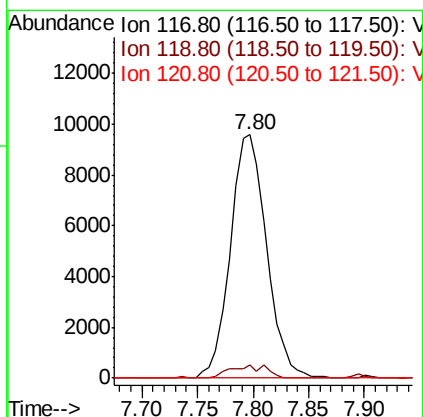
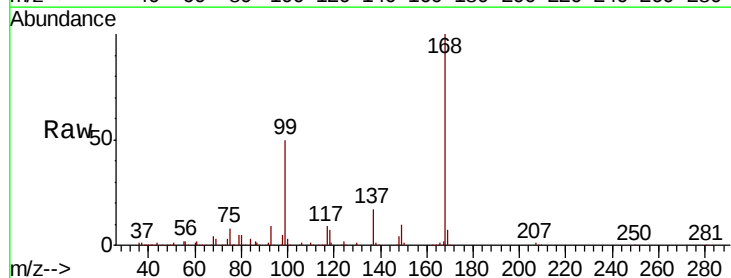
Instrument :
 MSVOA_Y
 ClientSampled :
 1RE

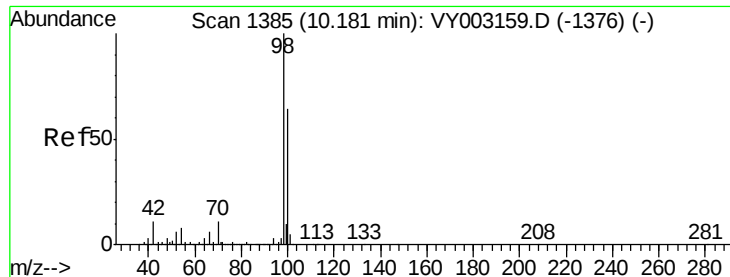
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.890 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 54.392 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003232.D

Acq: 20 Jul 2020 15:26

Instrument :

MSVOA_Y

ClientSampled :

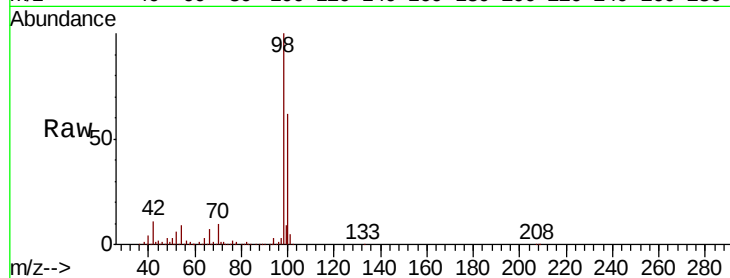
1RE

Tot Ion: 98 Resp: 389757

Ion Ratio Lower Upper

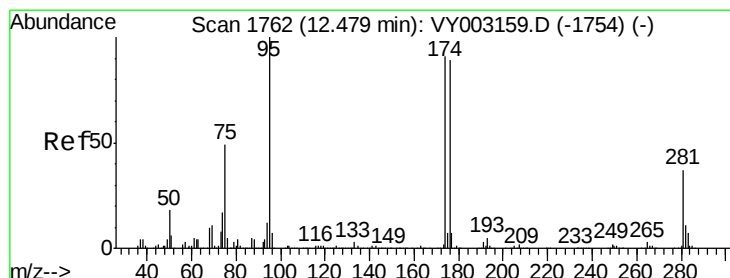
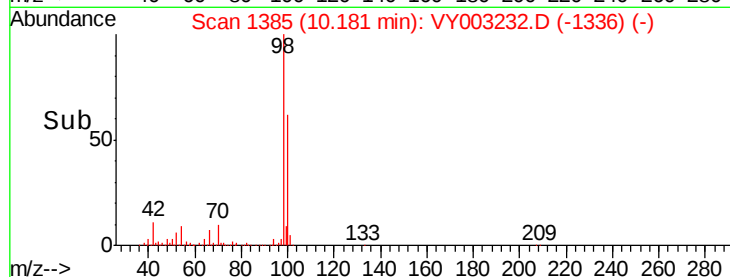
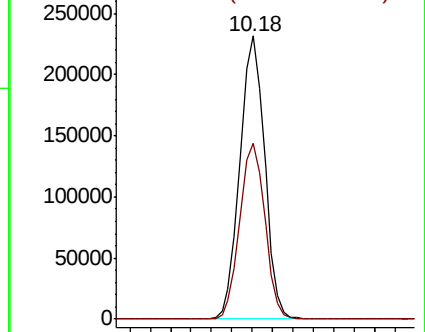
98 100

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): VY



#62

4-Bromofluorobenzene

Concen: 40.594 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003232.D

Acq: 20 Jul 2020 15:26

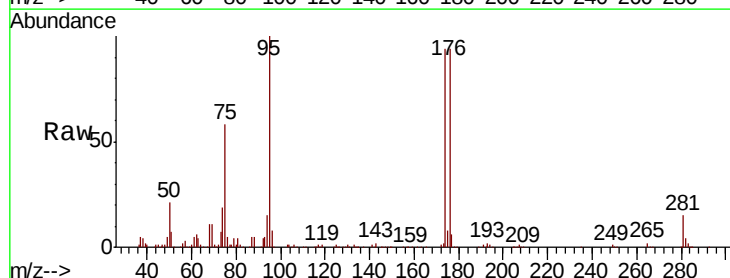
Tgt Ion: 95 Resp: 105087

Ion Ratio Lower Upper

95 100

174 94.8 0.0 190.6

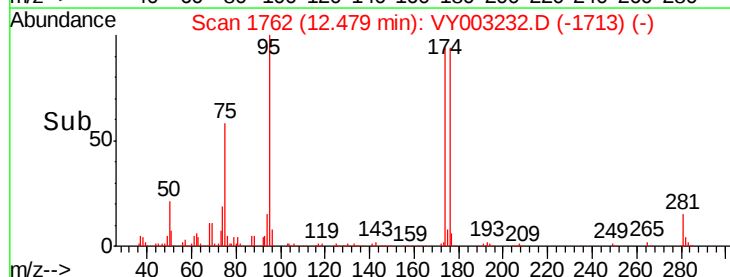
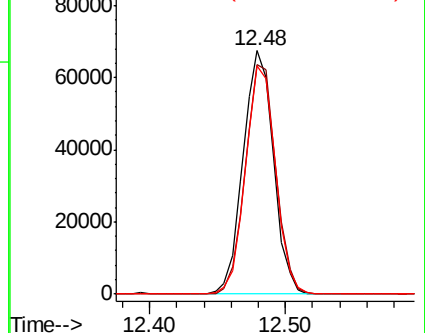
176 92.8 0.0 186.4

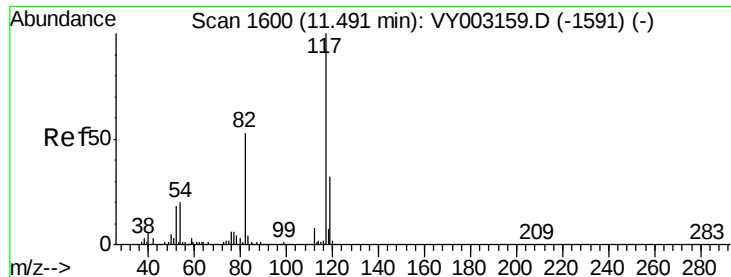


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

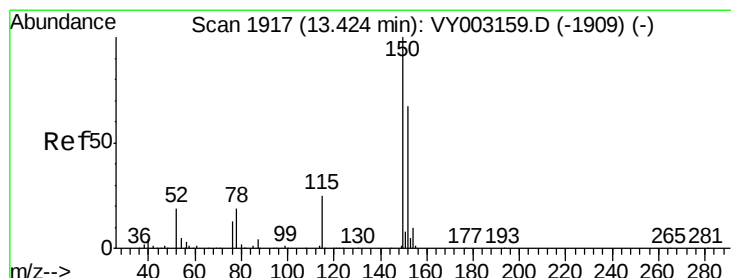
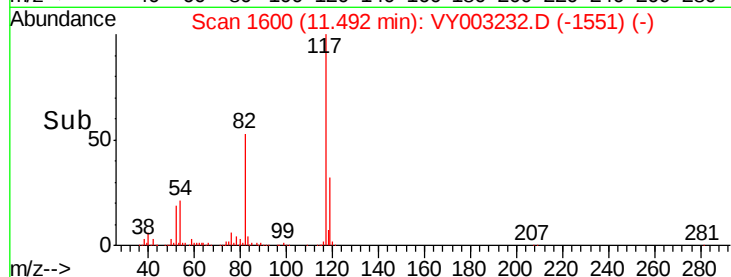
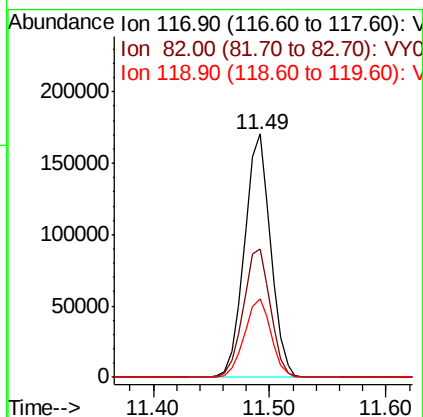
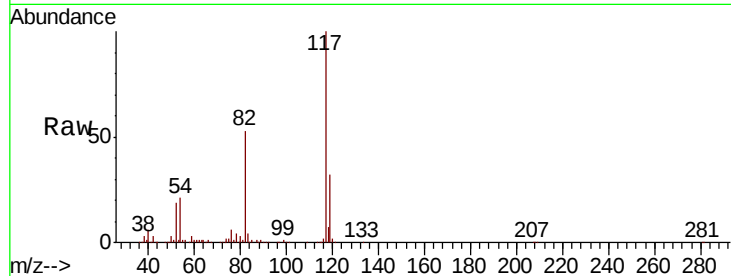




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

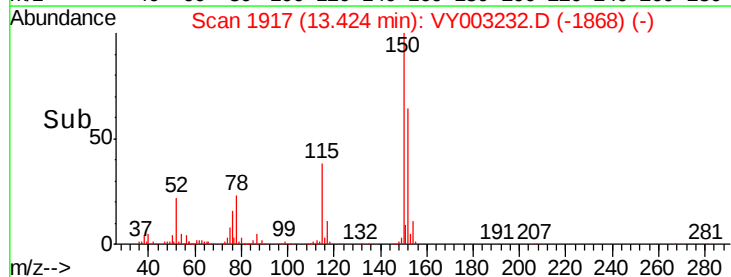
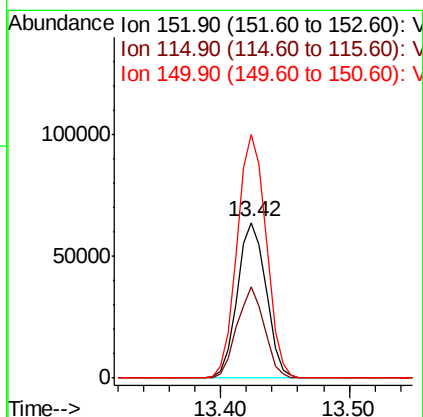
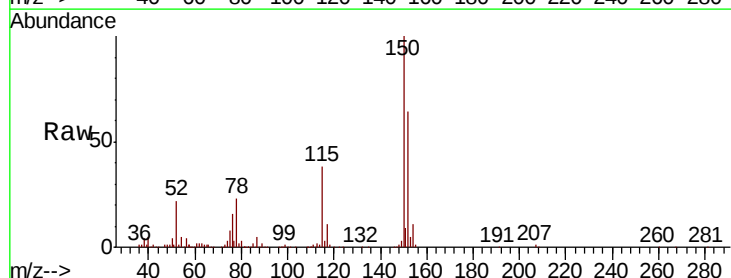
Instrument :
MSVOA_Y
ClientSampleId :
1RE

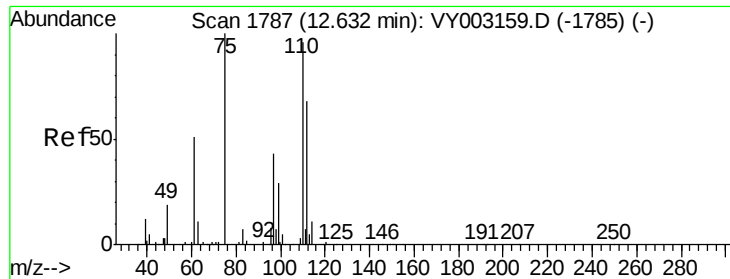
Tot Ion:117 Resp: 267765
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

Tgt Ion:152 Resp: 98442
Ion Ratio Lower Upper
152 100
115 56.1 26.9 80.7
150 158.5 0.0 338.0

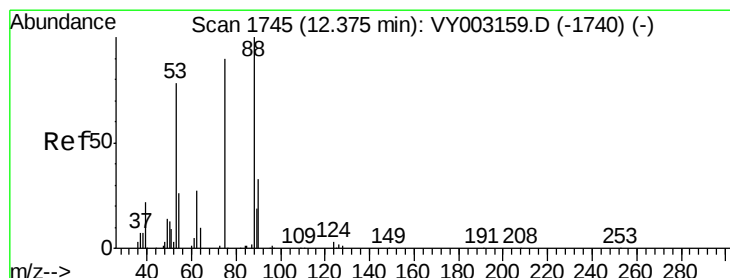
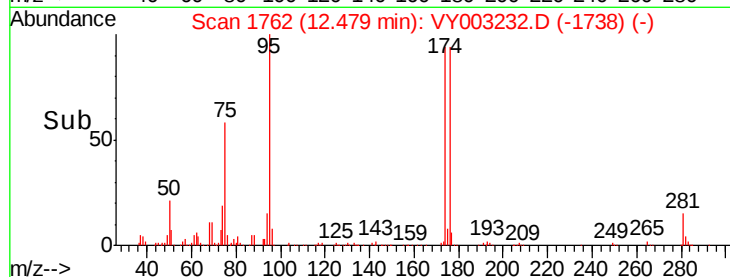
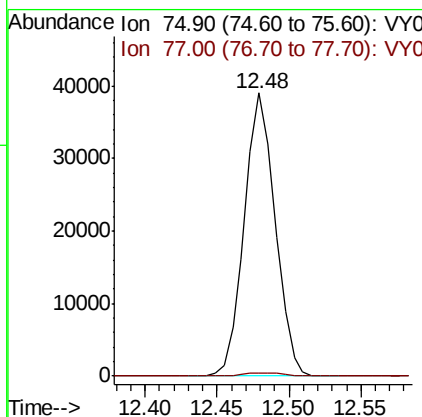
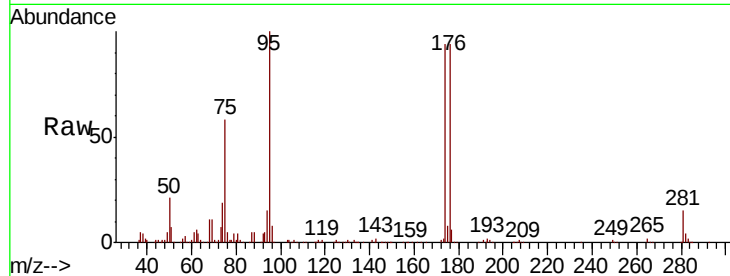




#76
 1,2,3-Trichloropropane
 Concen: 66.411 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

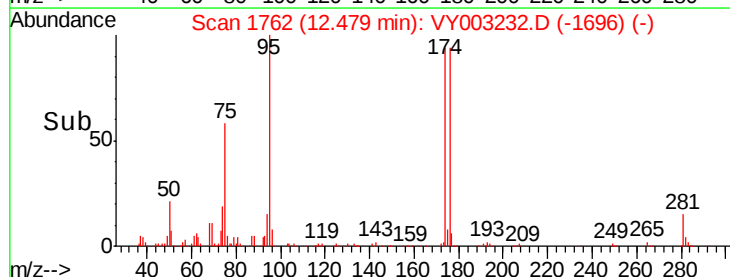
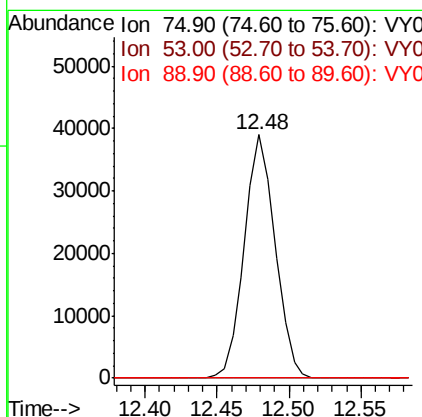
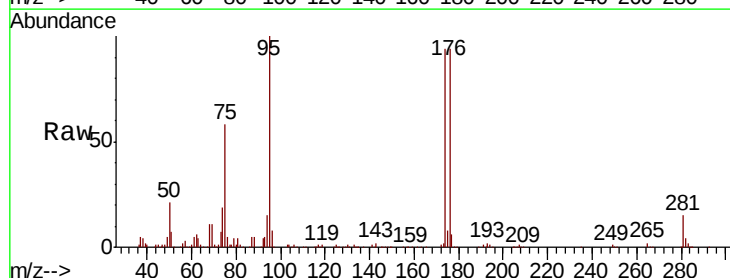
Instrument :
 MSVOA_Y
 ClientSampleId :
 1RE

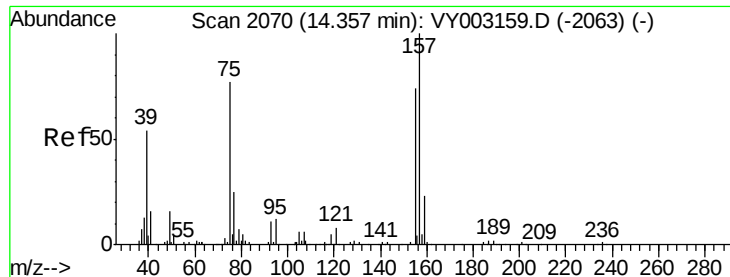
Tot Ion: 75 Resp: 57869
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.248 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

Tgt Ion: 75 Resp: 57869
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.1 37.3 55.9#

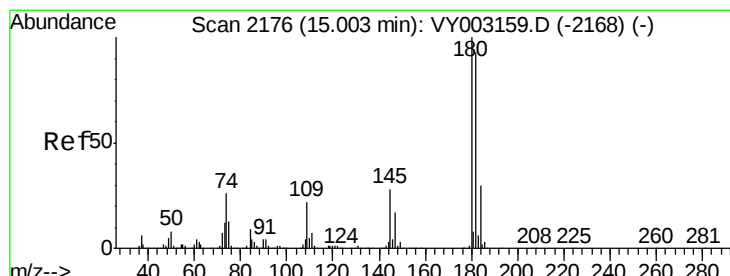
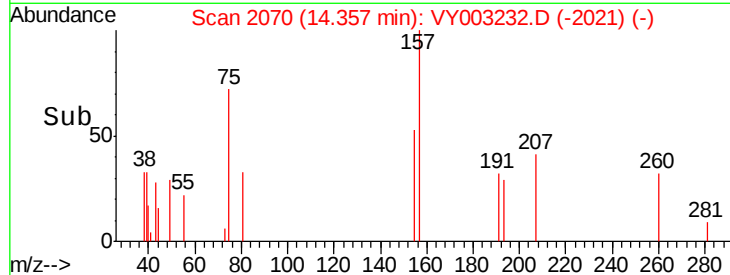
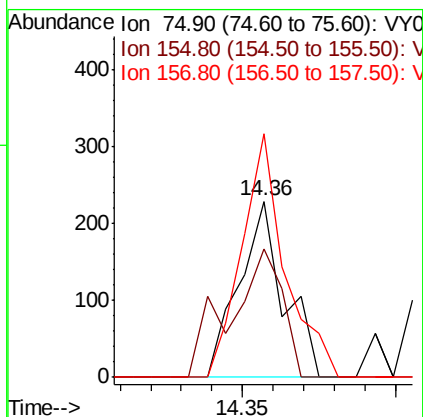
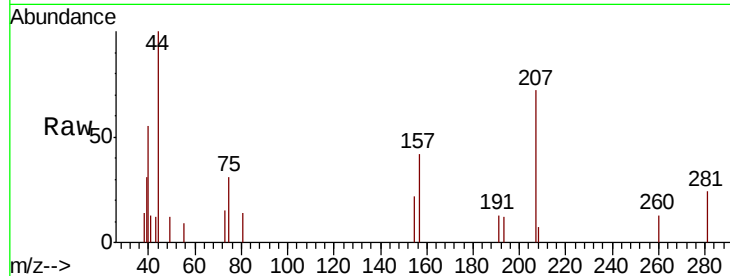




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.181 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

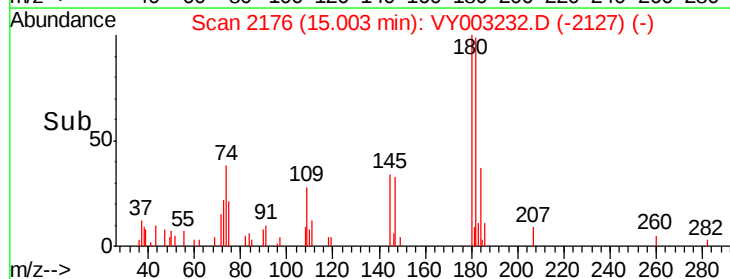
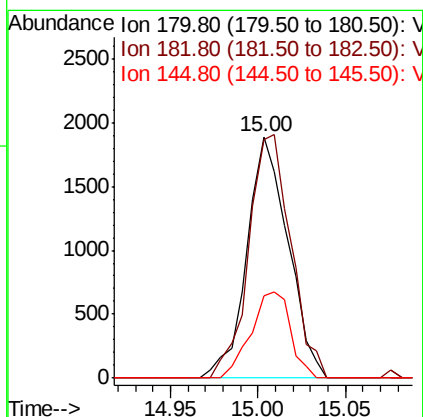
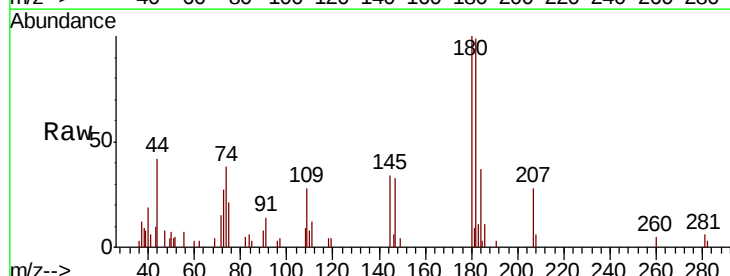
Instrument :
 MSVOA_Y
 ClientSampleId :
 1RE

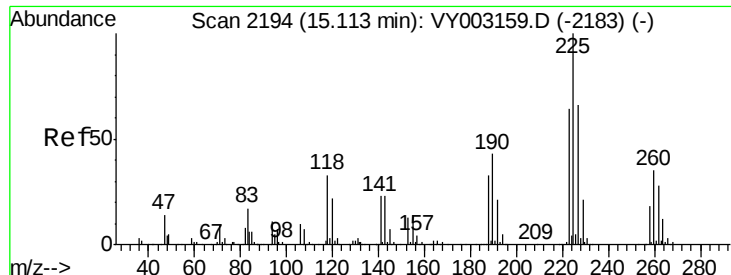
Tot Ion: 75 Resp: 232
 Ion Ratio Lower Upper
 75 100
 155 85.8 48.1 144.3
 157 134.1 61.9 185.6



#93
 1,2,4-Trichlorobenzene
 Concen: 1.643 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

Tgt Ion: 180 Resp: 3101
 Ion Ratio Lower Upper
 180 100
 182 102.5 47.3 142.0
 145 34.2 13.7 41.1

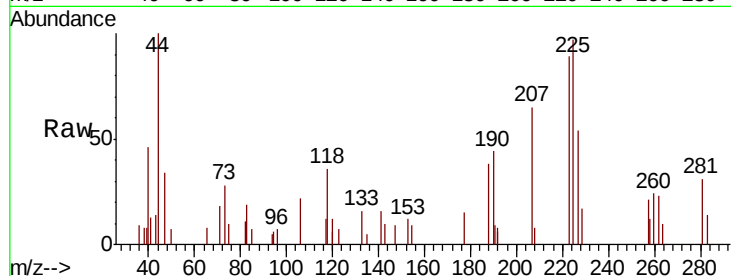




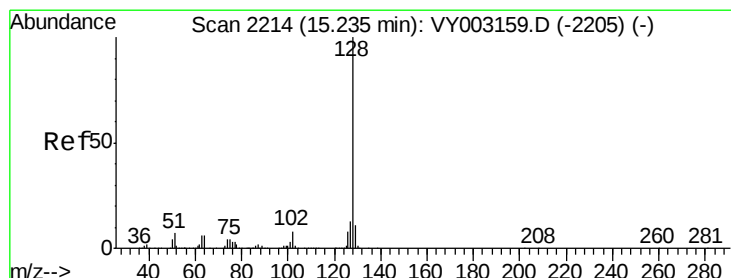
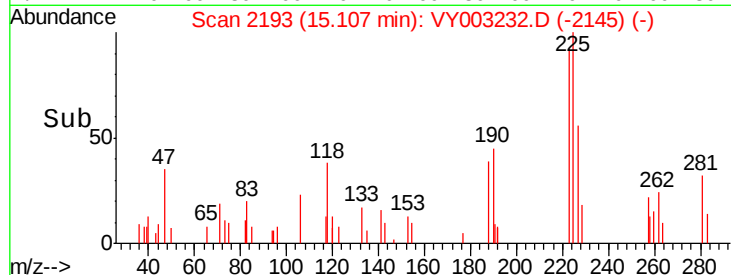
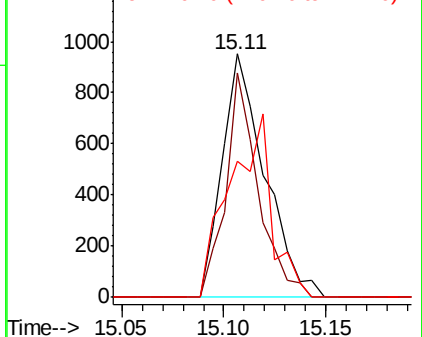
#94
Hexachlorobutadiene
Concen: 1.064 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. -0.01 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
1RE

Tot Ion:225 Resp: 1377
Ion Ratio Lower Upper
225 100
223 69.6 31.6 94.7
227 74.8 32.3 96.8

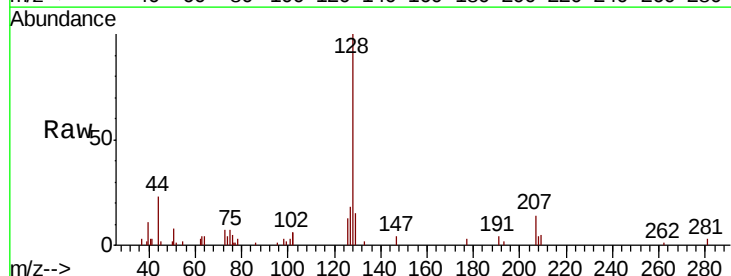


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

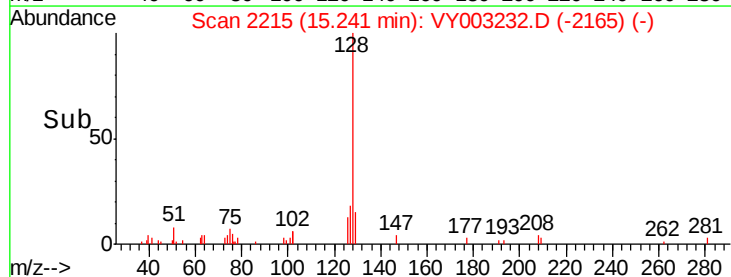
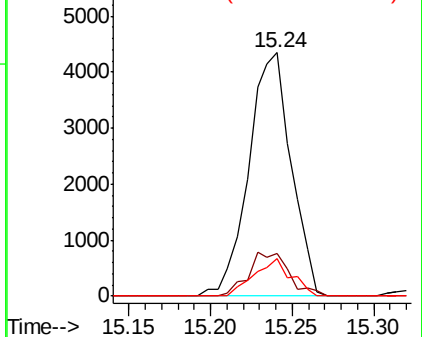


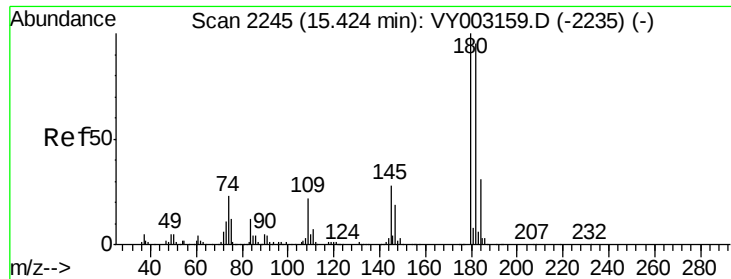
#95
Naphthalene
Concen: 2.514 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY003232.D
Acq: 20 Jul 2020 15:26

Tgt Ion:128 Resp: 7845
Ion Ratio Lower Upper
128 100
127 17.3 10.9 16.3#
129 13.2 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: 2.592 ug/l
 RT: 15.43 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: VY003232.D
 Acq: 20 Jul 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 1RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.8	146.3
145	34.3	14.9	44.5

