

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003142.D
 Acq On : 09 Jul 2020 13:03
 Operator : SY/MD
 Sample : VY0709SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBL01

Quant Time: Jul 10 03:39:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	414938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	609653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	563635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	300062	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	202269	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
35) Dibromofluoromethane	7.72	113	196735	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	10.18	98	723807	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.49	95	255662	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

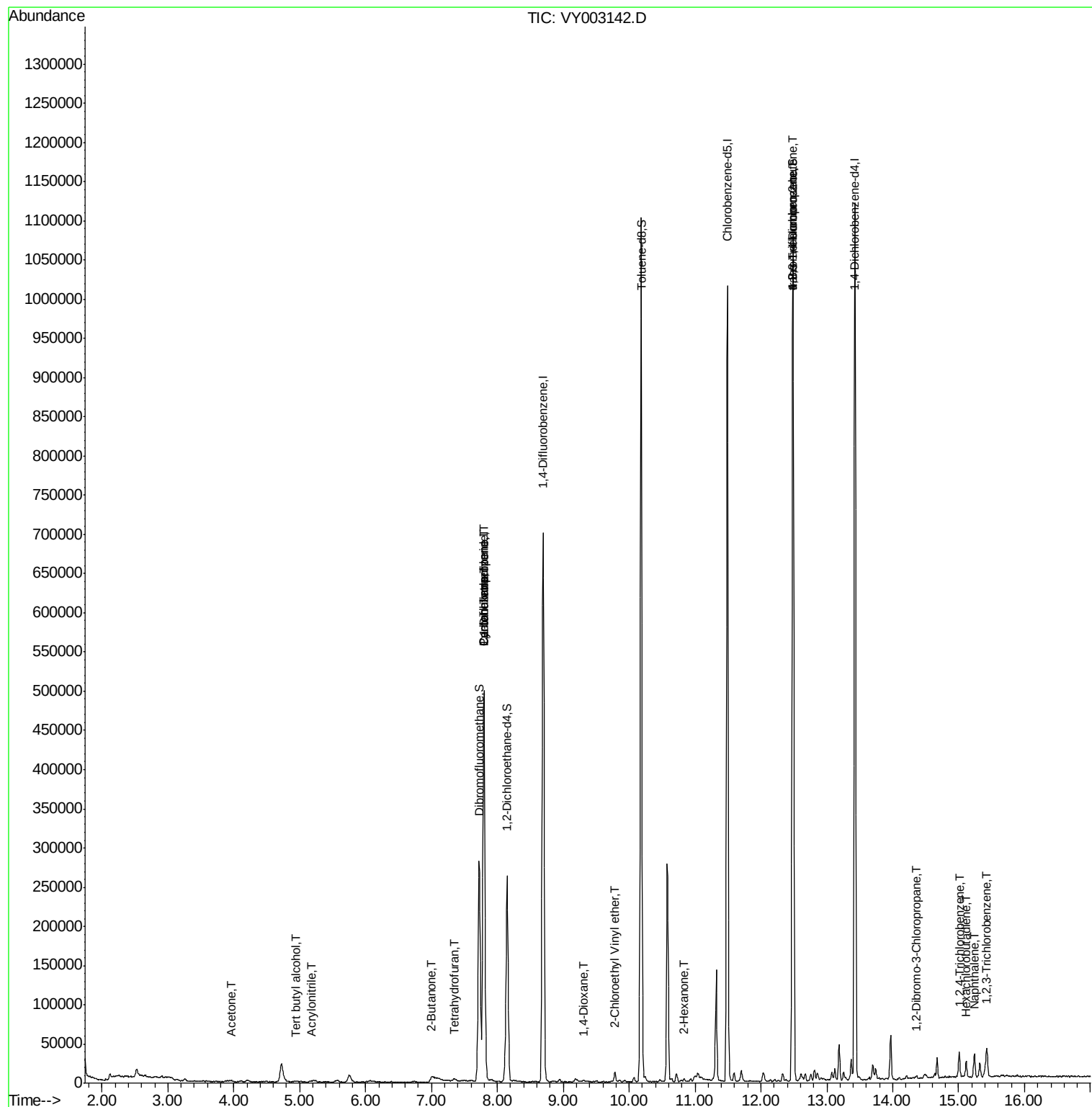
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	1951	4.645	ug/l #	76
15) Acrylonitrile	5.18	53	1827	1.632	ug/l #	93
16) Acetone	3.96	43	3485	3.586	ug/l #	88
20) Methylene Chloride	4.72	84	17389	Below Cal	#	84
25) 2-Butanone	7.00	43	2383	1.543	ug/l #	88
29) Tetrahydrofuran	7.35	42	1560	1.519	ug/l #	55
31) Cyclohexane	7.80	56	8504	1.173	ug/l #	25
36) 1,1-Dichloropropene	7.80	75	27316	4.652	ug/l #	51
38) Carbon Tetrachloride	7.80	117	37135	6.078	ug/l #	15
49) 1,4-Dioxane	9.31	88	98	3.323	ug/l #	23
58) 2-Chloroethyl Vinyl ether	9.78	63	5318	2.134	ug/l	94
59) 2-Hexanone	10.83	43	2437	1.005	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	129287	43.535	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	129287	84.702	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1004	1.431	ug/l	77
93) 1,2,4-Trichlorobenzene	15.01	180	10462	1.669	ug/l	97
94) Hexachlorobutadiene	15.12	225	4025	1.018	ug/l	96
95) Naphthalene	15.24	128	22549	1.970	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	11652	2.141	ug/l	98

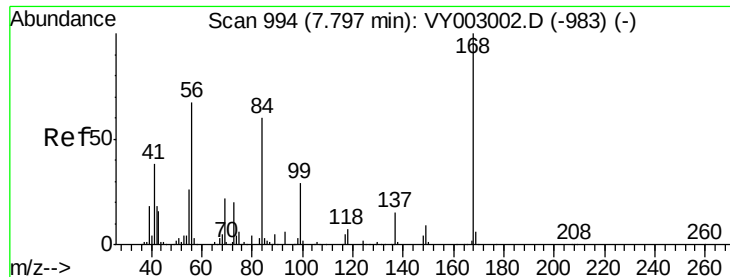
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 10 03:39:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 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: VY003142.D

Acq: 09 Jul 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

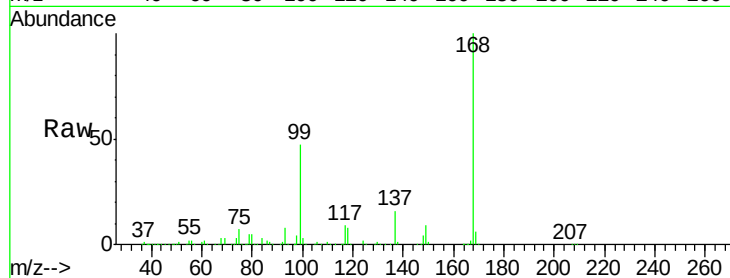
VY0709SBL01

Tot Ion:168 Resp: 414938

Ion Ratio Lower Upper

168 100

99 47.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003142.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003142.D (-945) (-)

7.80

200000

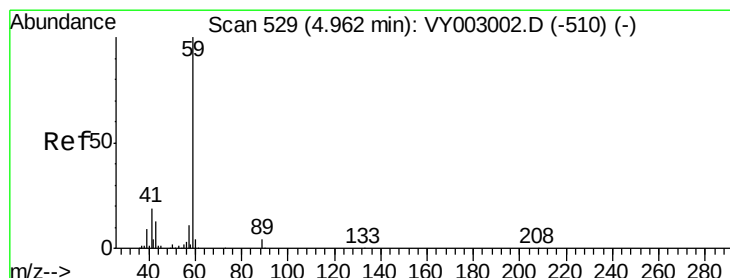
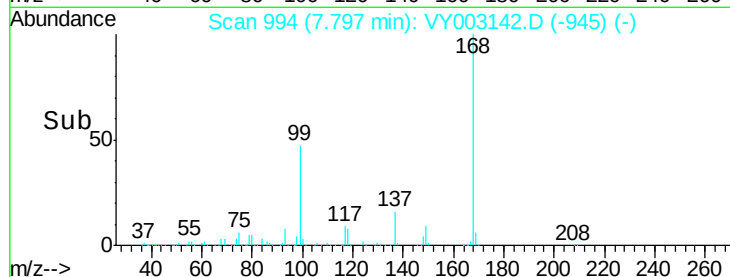
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.645 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY003142.D

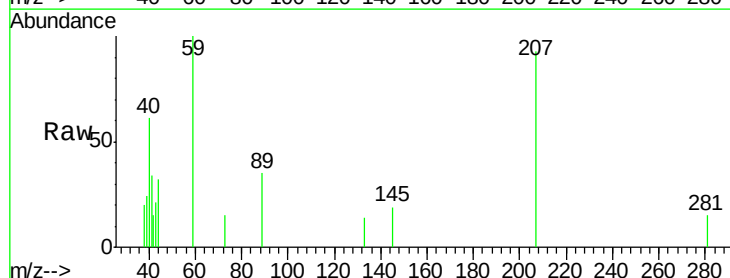
Acq: 09 Jul 2020 13:03

Tgt Ion: 59 Resp: 1951

Ion Ratio Lower Upper

59 100

57 1.2 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003142.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003142.D (-480) (-)

4.95

500

400

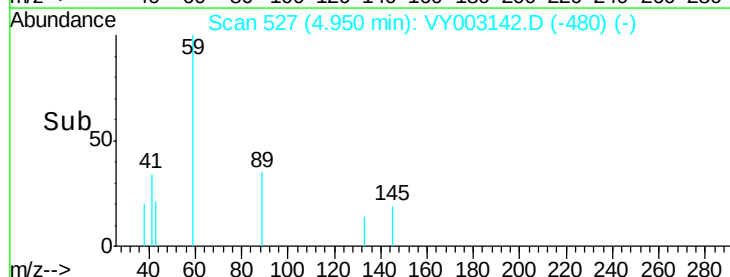
300

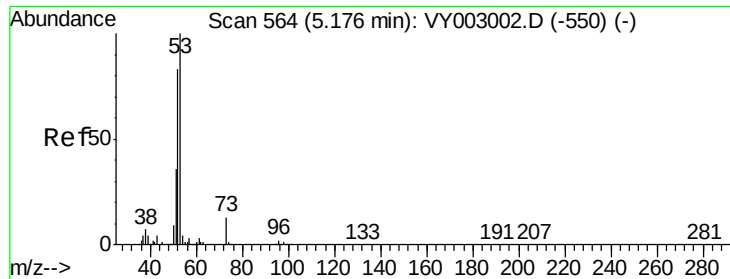
200

100

0

Time-->

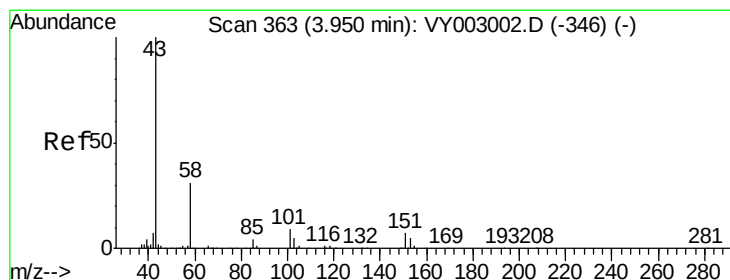
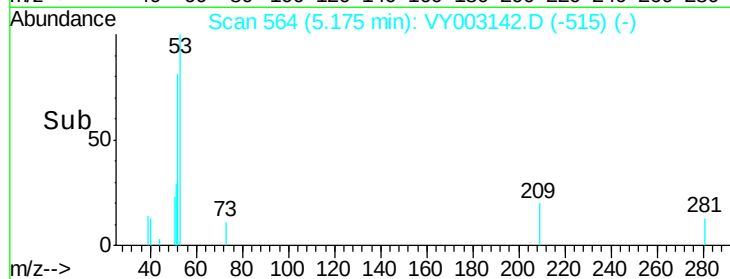
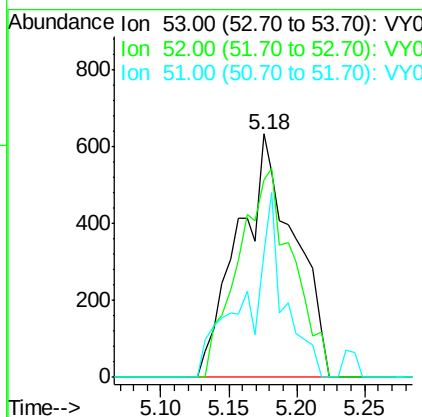
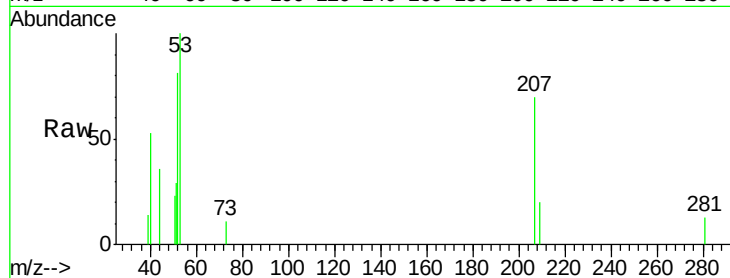




#15
 Acrylonitrile
 Concen: 1.632 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

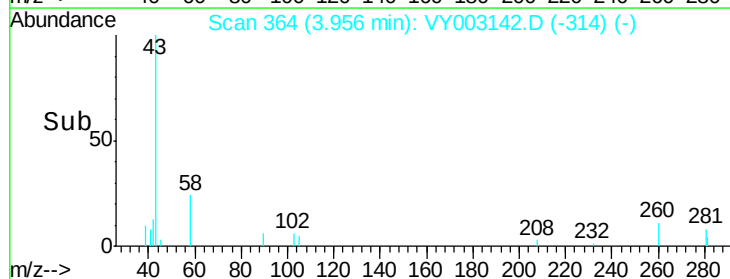
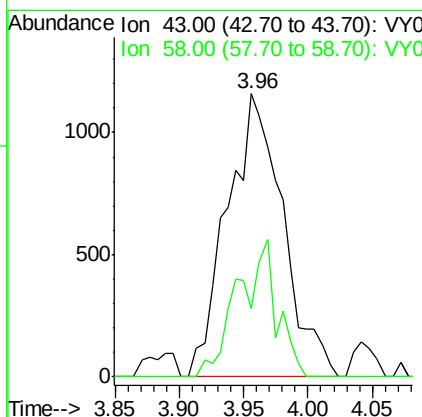
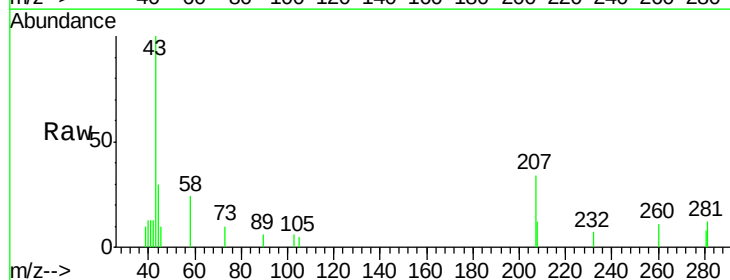
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBL01

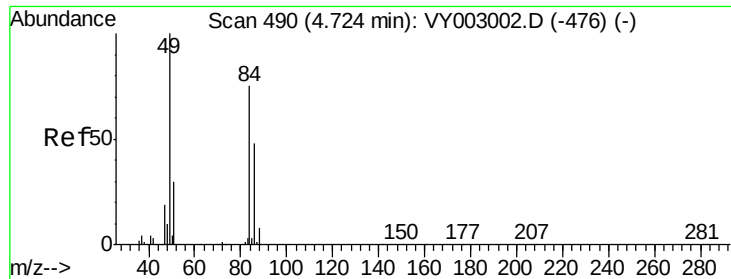
Tot Ion	53	Resp	1827
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	50.6	29.5	44.3#



#16
 Acetone
 Concen: 3.586 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

Tgt Ion	43	Resp	3485
Ion	Ratio	Lower	Upper
43	100		
58	24.4	24.7	37.1#

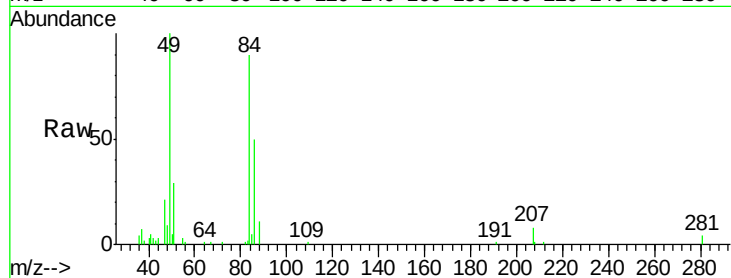




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBL01

Tot Ion	Ratio	Lower	Upper
84	100		
49	111.4	106.8	160.2
51	31.8	32.0	48.0#
86	55.4	51.4	77.2



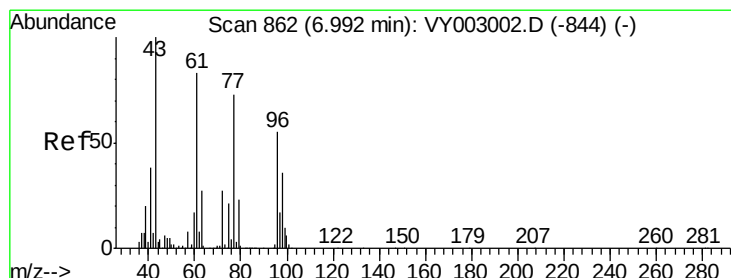
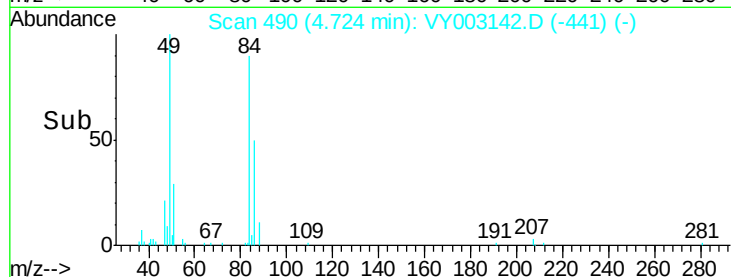
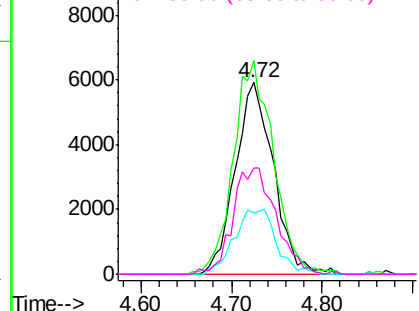
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

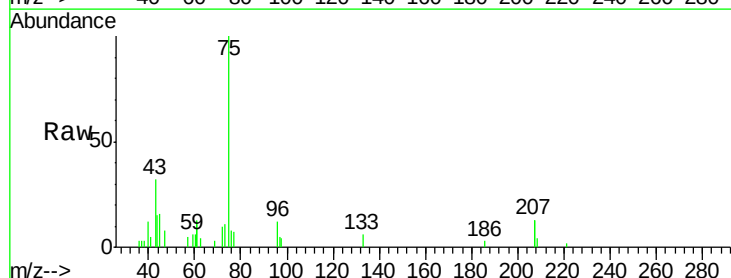
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 1.543 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

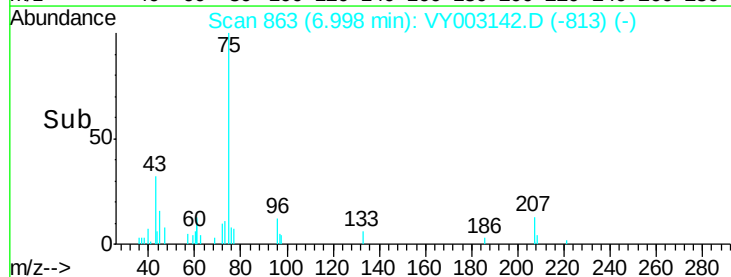
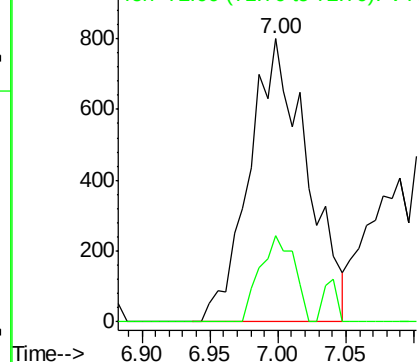
Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.9	21.4	32.0#

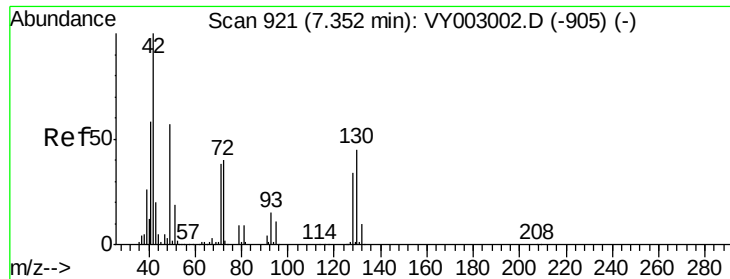


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

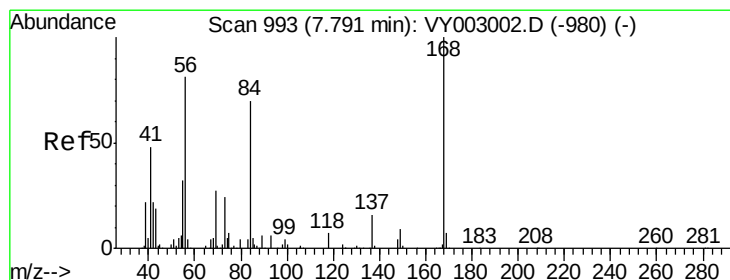
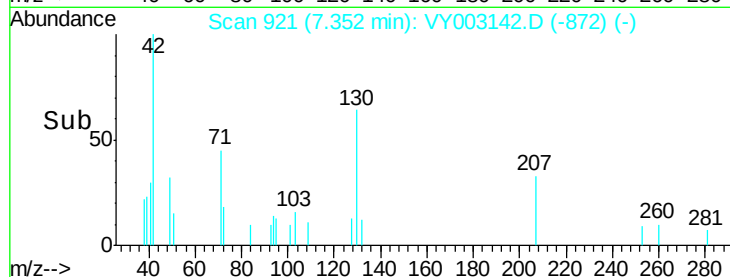
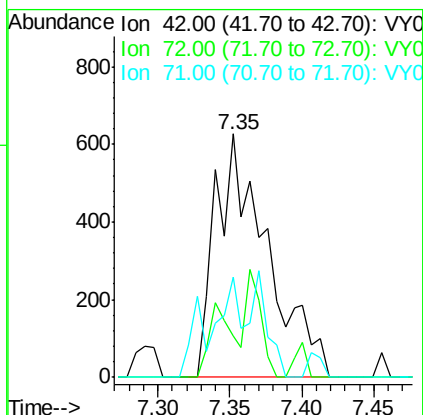
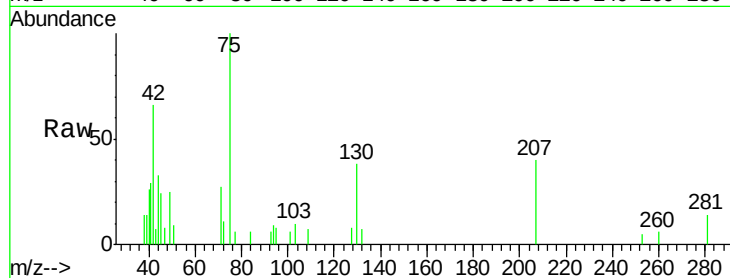




#29
Tetrahydrofuran
Concen: 1.519 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

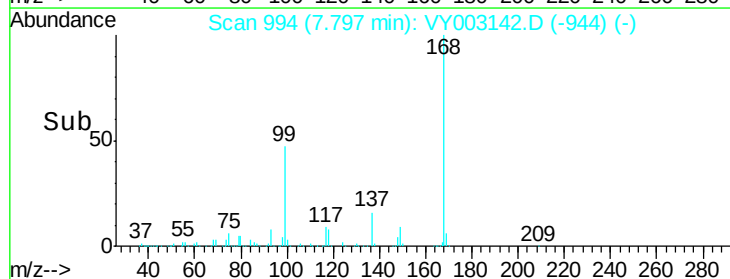
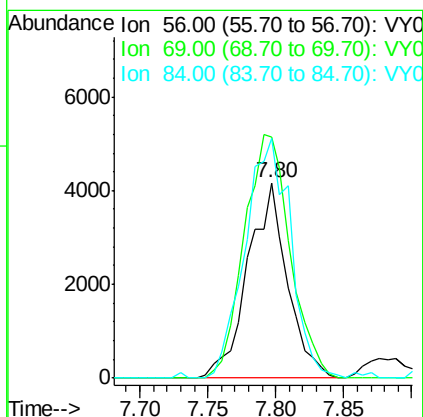
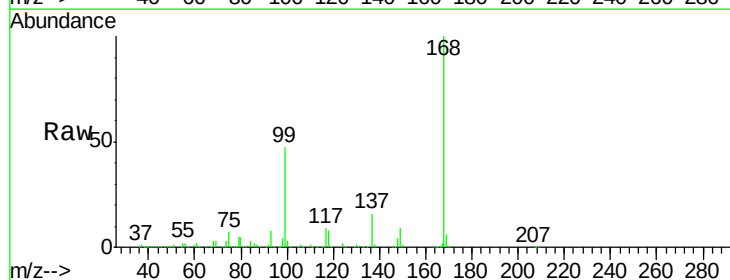
Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBL01

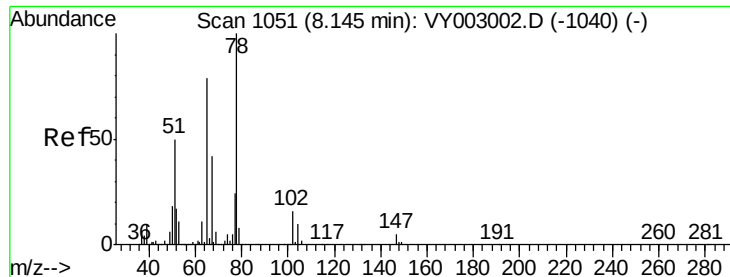
Tot Ion	Ratio	Lower	Upper
42	100		
72	12.4	32.9	49.3#
71	11.7	31.2	46.8#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	123.7	27.0	40.4#
84	123.3	68.1	102.1#

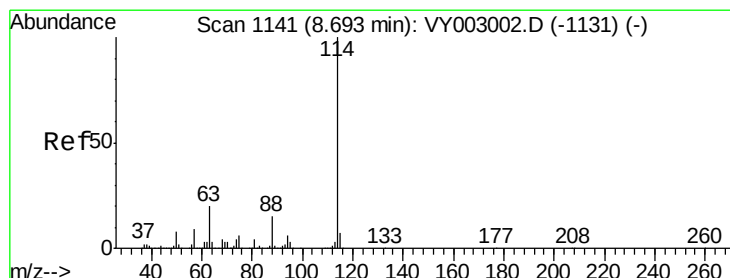
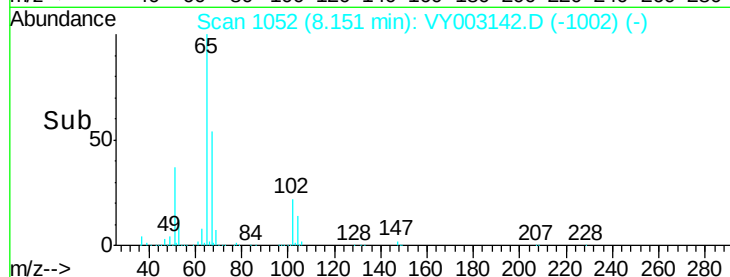
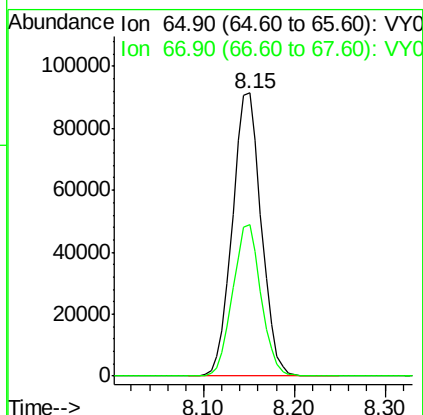
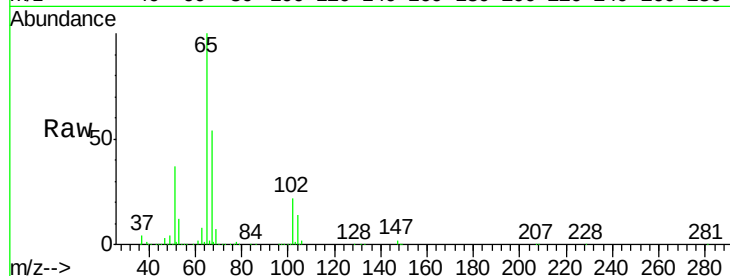




#33
 1,2-Dichloroethane-d4
 Concen: 49.080 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

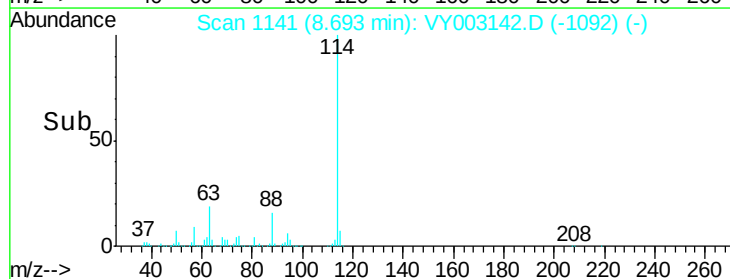
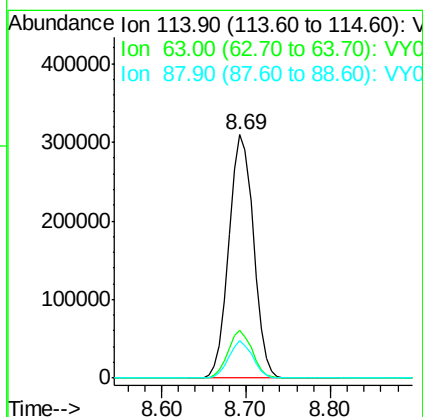
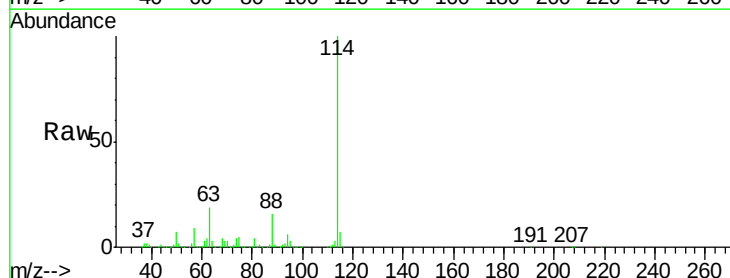
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBL01

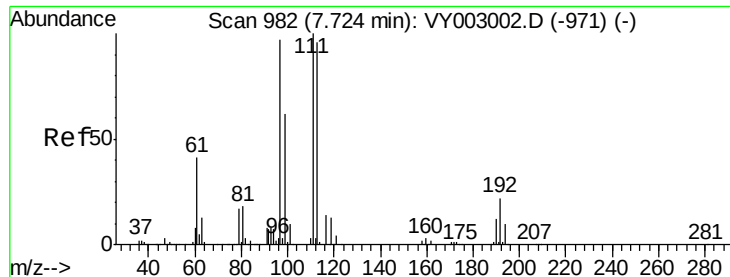
Tot Ion: 65 Resp: 202269
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

Tgt Ion: 114 Resp: 609653
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.6
 88 15.5 0.0 30.0

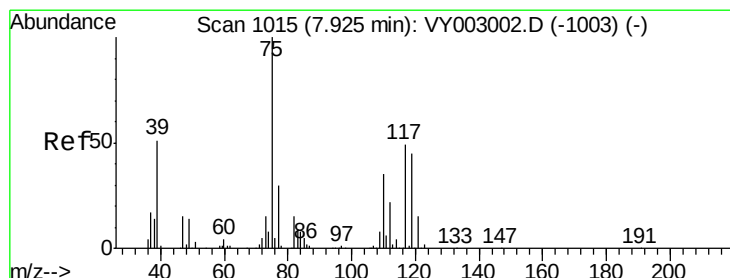
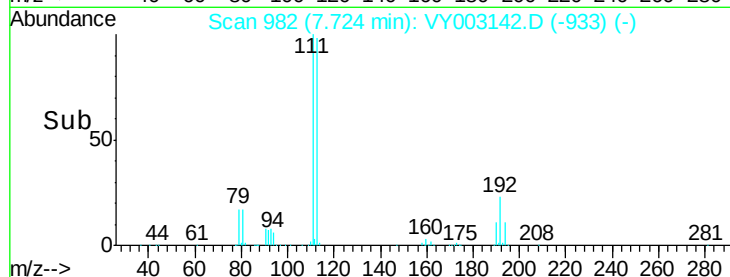
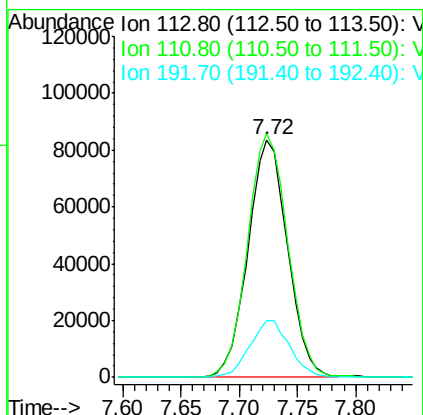
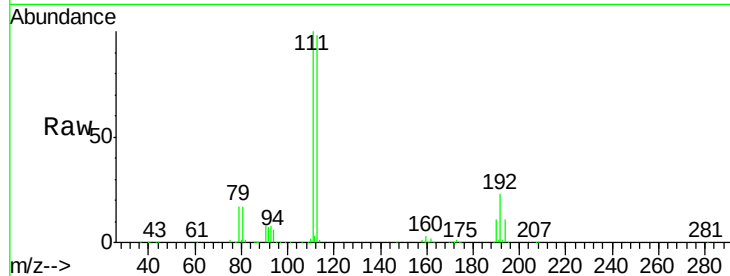




#35
 Dibromofluoromethane
 Concen: 51.730 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

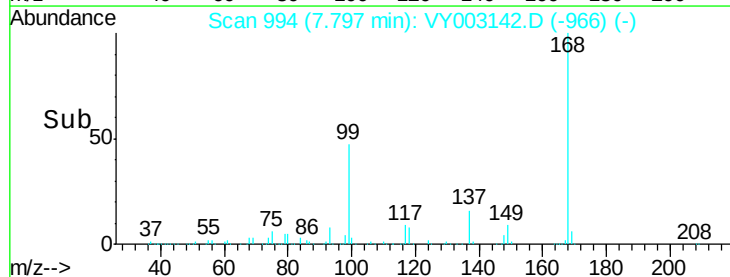
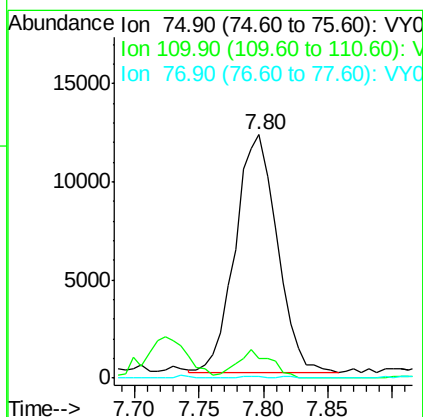
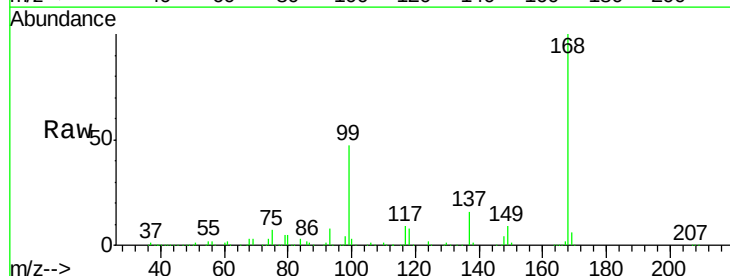
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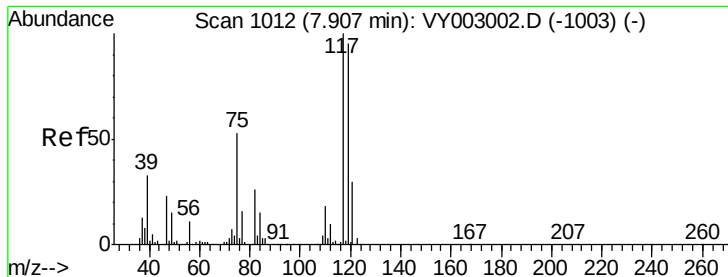
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.6	123.8
192	23.9	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.652 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.1	51.2#
77	0.3	24.9	37.3#

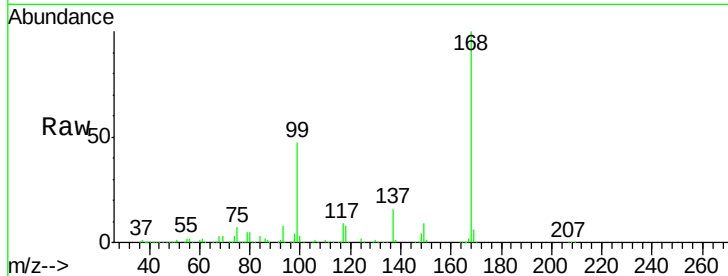




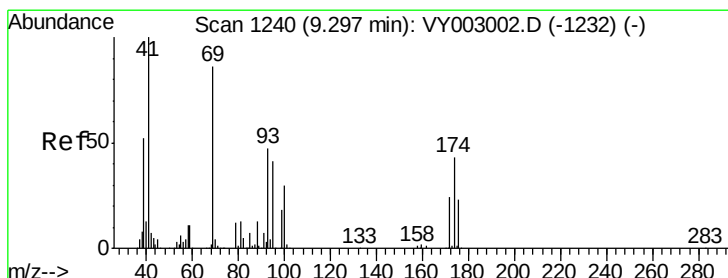
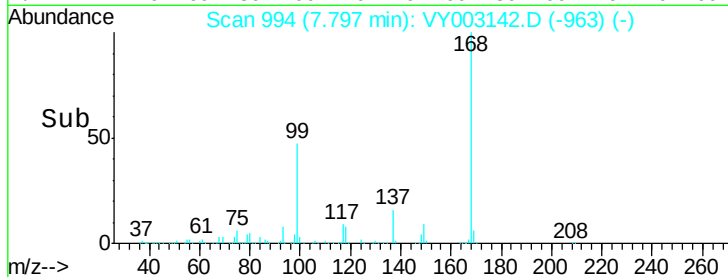
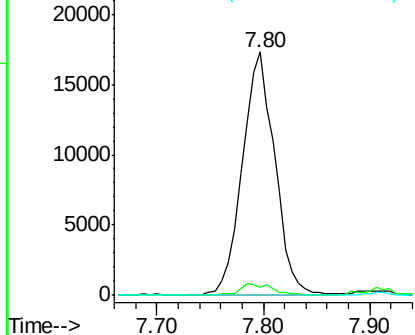
#38
Carbon Tetrachloride
Concen: 6.078 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBL01

Tot Ion:117 Resp: 37135
Ion Ratio Lower Upper
117 100
119 3.5 75.7 113.5#
121 0.0 23.9 35.9#

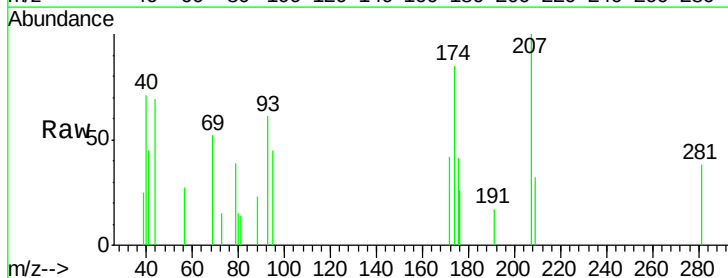


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

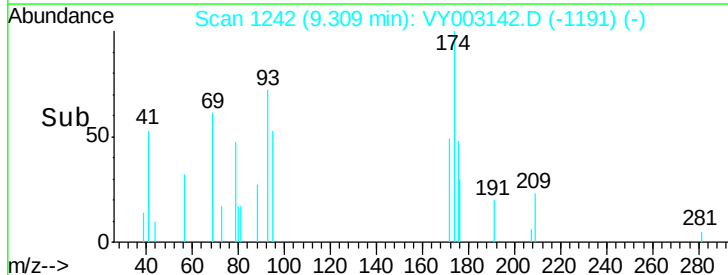
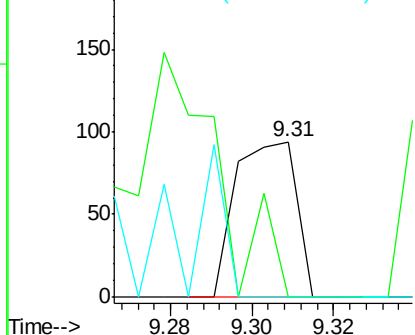


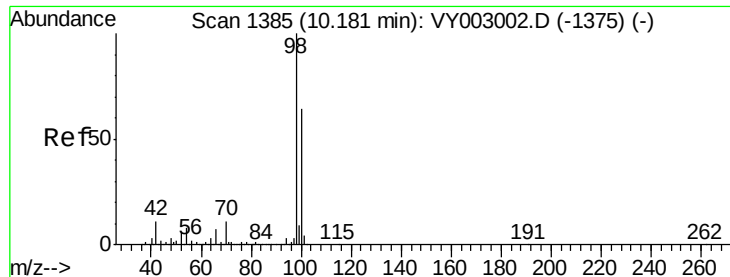
#49
1,4-Dioxane
Concen: 3.323 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 0.0 56.7 85.1#



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: 51.086 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003142.D

Acq: 09 Jul 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

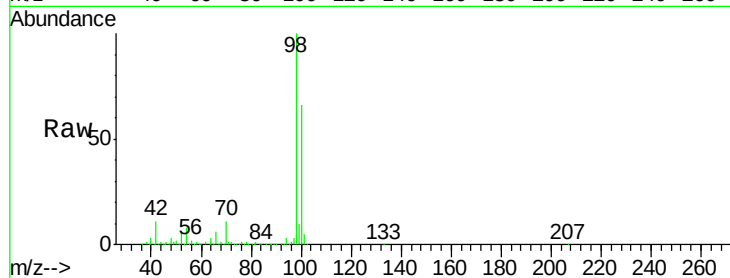
VY0709SBL01

Tot Ion: 98 Resp: 723807

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

400000

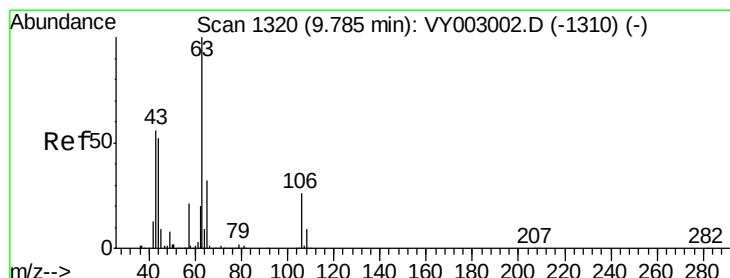
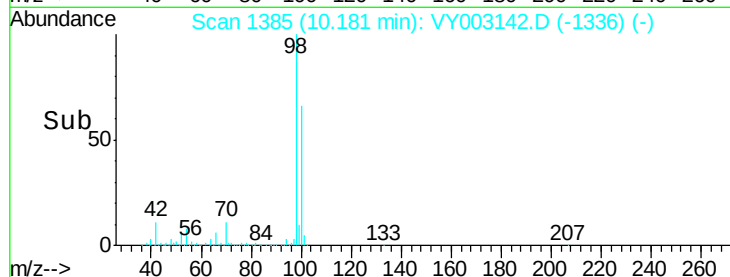
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.134 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003142.D

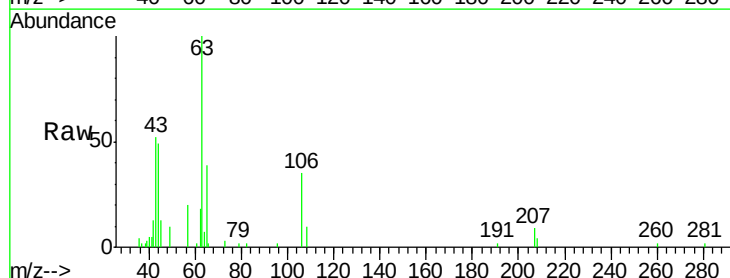
Acq: 09 Jul 2020 13:03

Tgt Ion: 63 Resp: 5318

Ion Ratio Lower Upper

63 100

106 30.2 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

4000

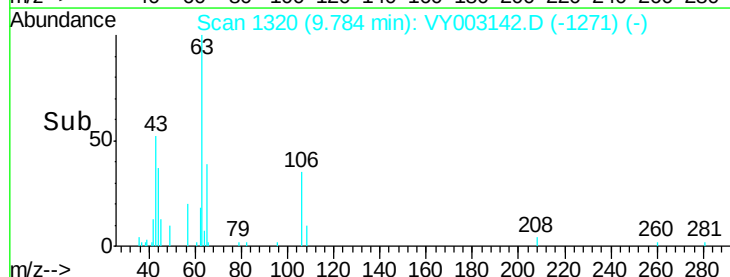
3000

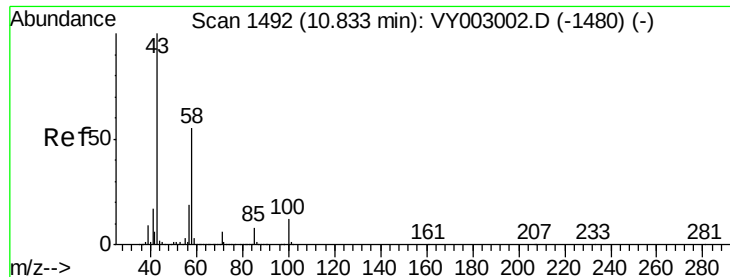
2000

1000

0

Time-->

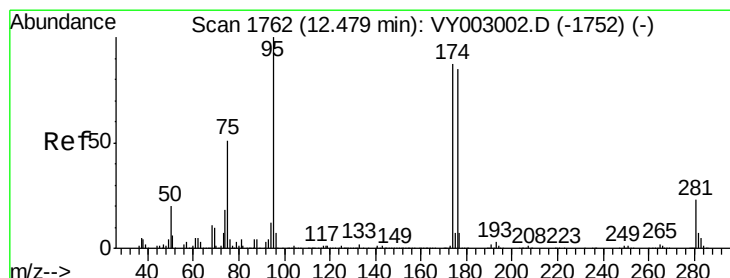
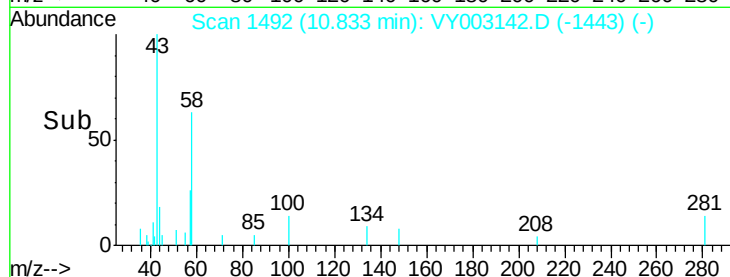
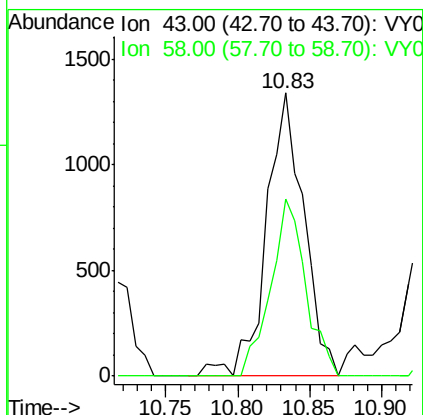
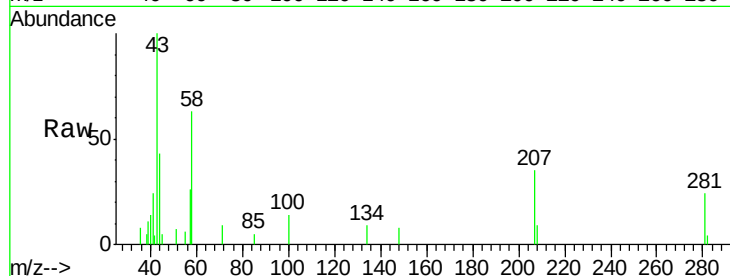




#59
2-Hexanone
Concen: 1.005 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

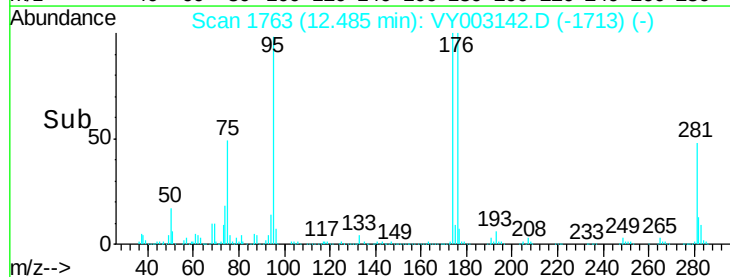
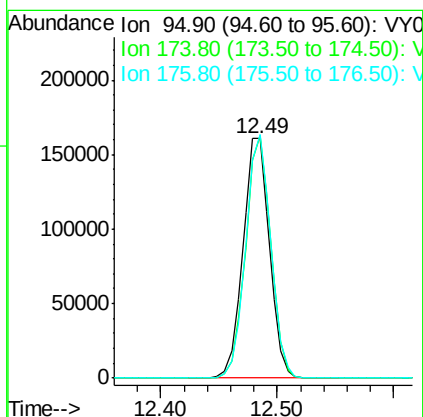
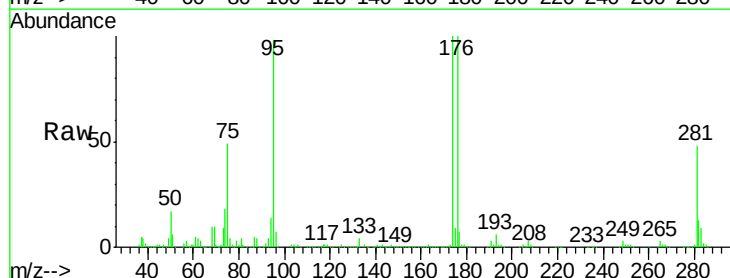
Instrument :
MSVOA_Y
ClientSampled :
VY0709SBL01

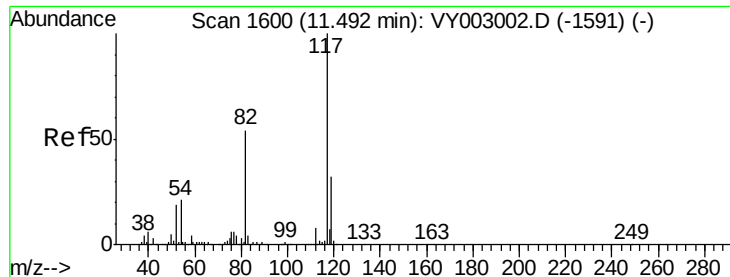
Tot Ion: 43 Resp: 2437
Ion Ratio Lower Upper
43 100
58 58.3 27.5 82.4



#62
4-Bromofluorobenzene
Concen: 51.263 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.01 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

Tgt Ion: 95 Resp: 255662
Ion Ratio Lower Upper
95 100
174 96.2 0.0 184.8
176 96.4 0.0 183.0

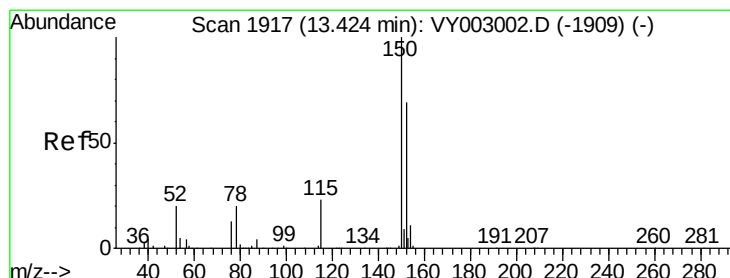
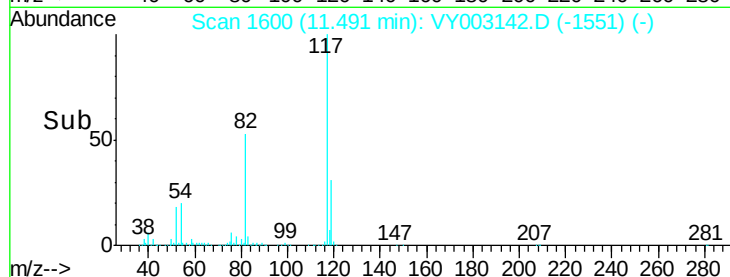
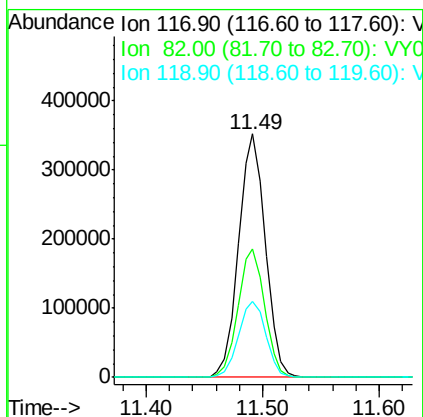
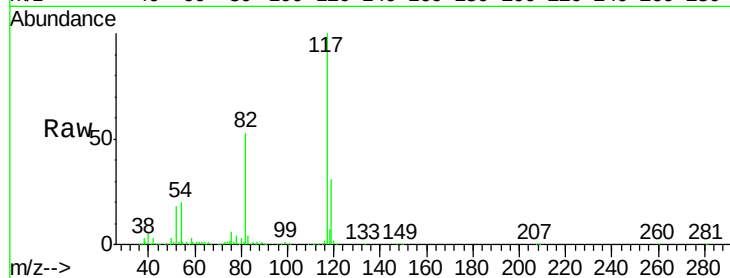




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

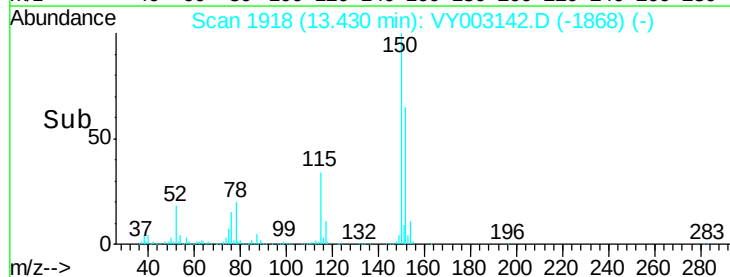
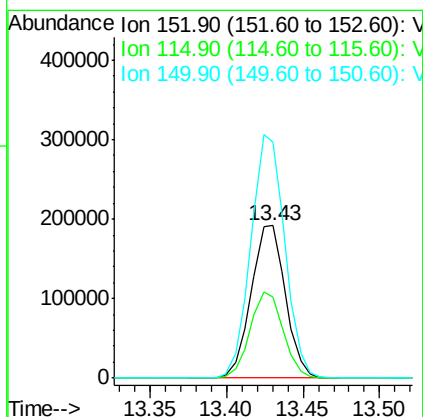
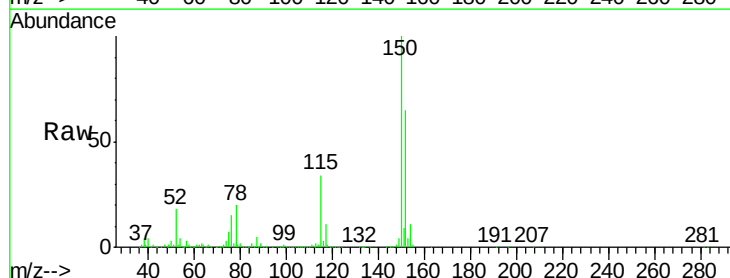
Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBL01

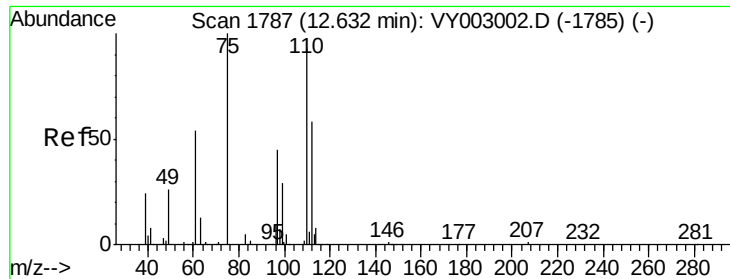
Tot Ion:117 Resp: 563635
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.6
119 31.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VY003142.D
Acq: 09 Jul 2020 13:03

Tgt Ion:152 Resp: 300062
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 157.9 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 43.535 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003142.D

Acq: 09 Jul 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

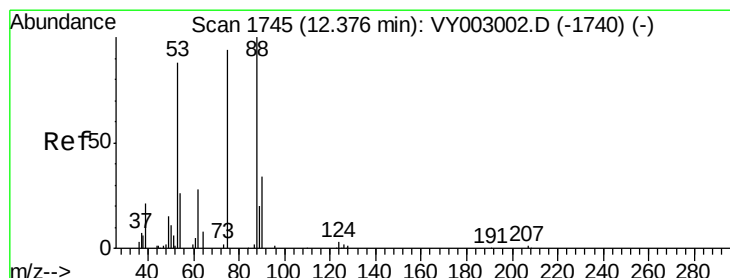
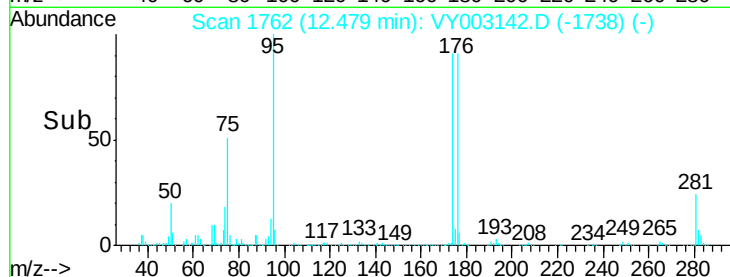
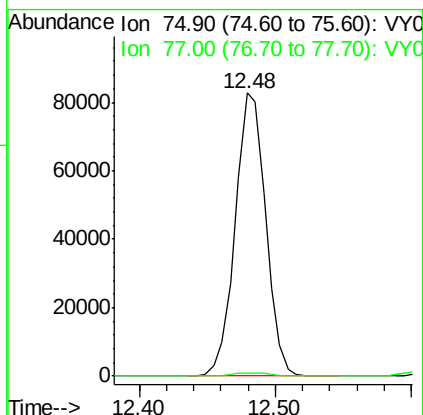
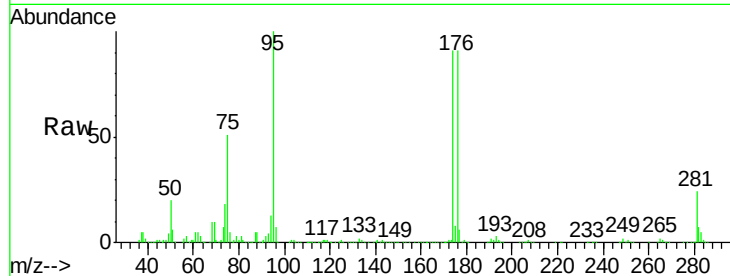
VY0709SBL01

Tot Ion: 75 Resp: 129287

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.702 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003142.D

Acq: 09 Jul 2020 13:03

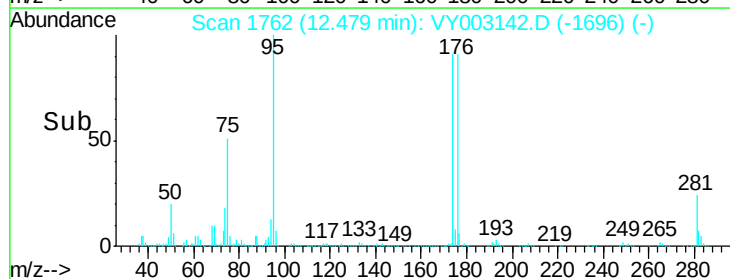
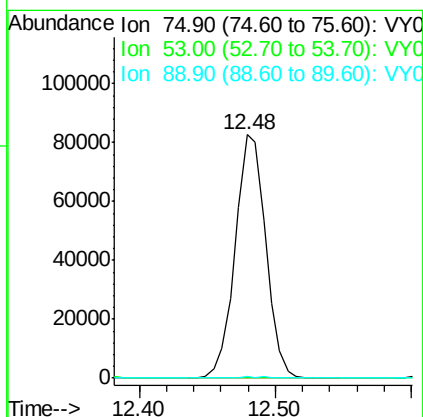
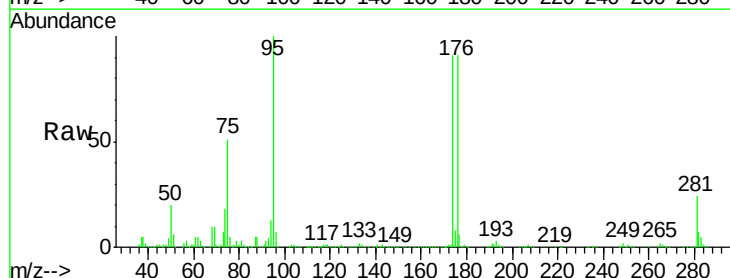
Tgt Ion: 75 Resp: 129287

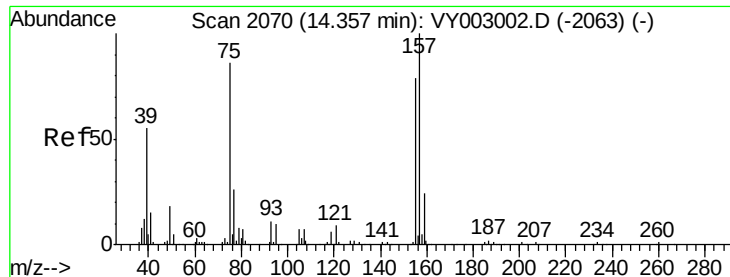
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.8 37.5 56.3#

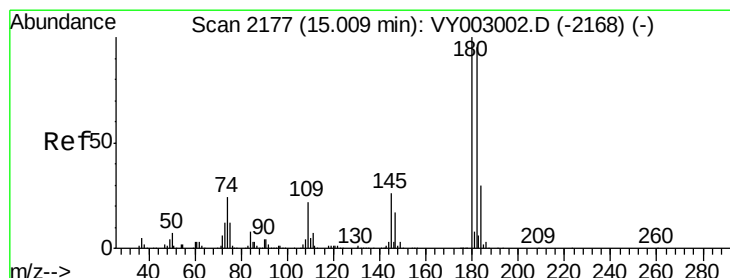
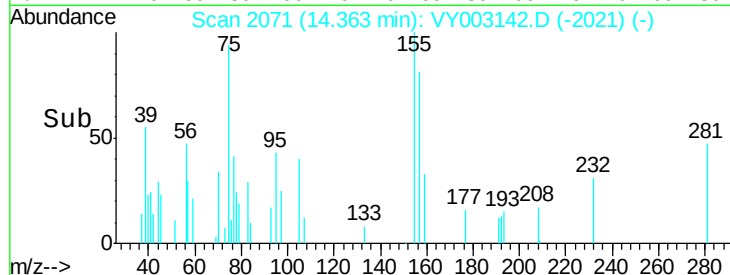
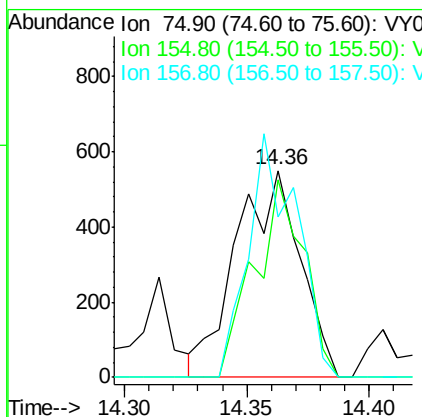
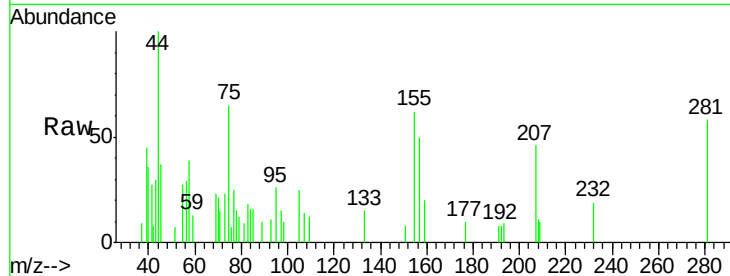




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.431 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.01 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

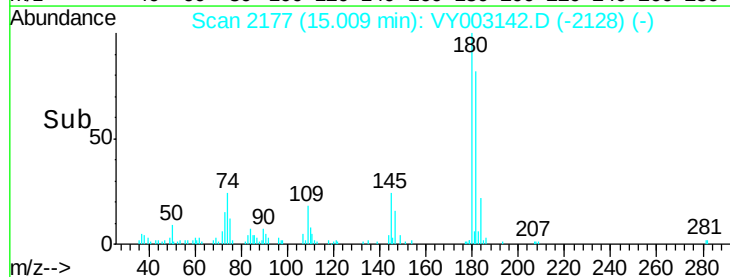
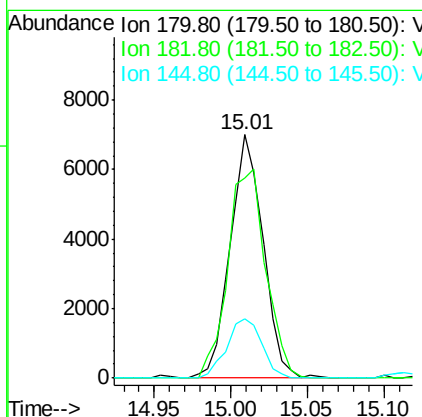
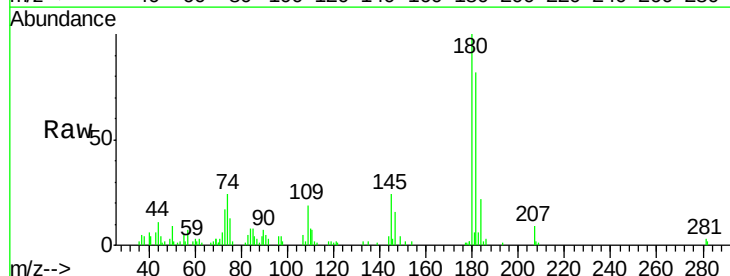
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBL01

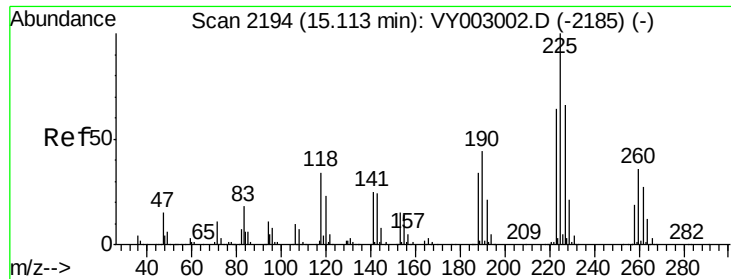
Tot Ion: 75 Resp: 1004
 Ion Ratio Lower Upper
 75 100
 155 74.0 46.5 139.3
 157 89.3 59.2 177.5



#93
 1,2,4-Trichlorobenzene
 Concen: 1.669 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

Tgt Ion:180 Resp: 10462
 Ion Ratio Lower Upper
 180 100
 182 98.6 48.1 144.3
 145 26.0 13.9 41.6





#94

Hexachlorobutadiene

Concen: 1.018 ug/l

RT: 15.12 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VY003142.D

Acq: 09 Jul 2020 13:03

Instrument :

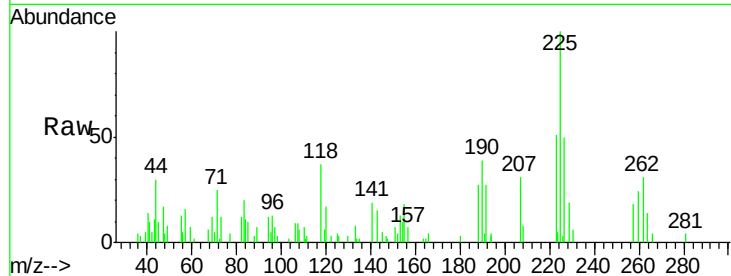
MSVOA_Y

ClientSampleId :

VY0709SBL01

Tot Ion:225 Resp: 4025

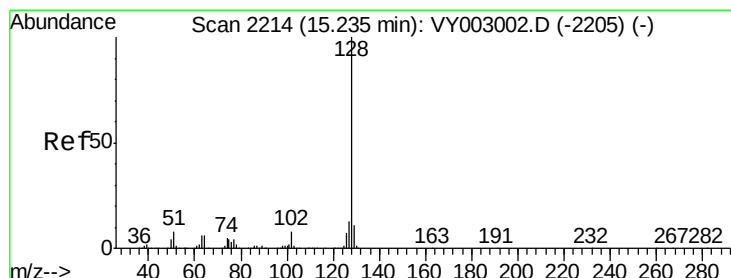
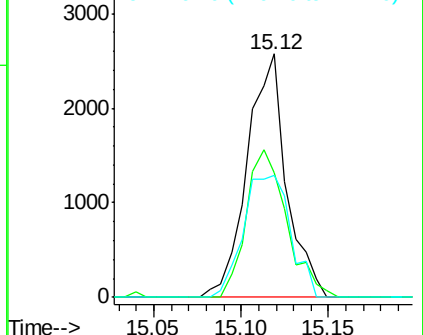
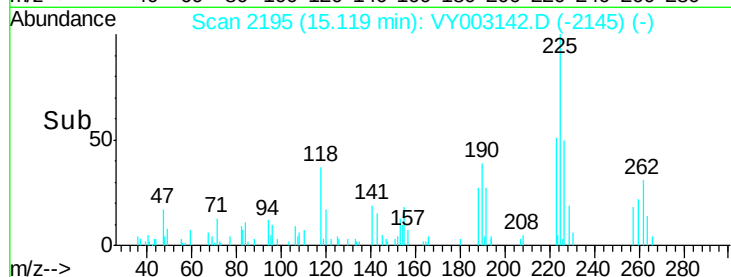
Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.4	97.0
227	60.2	32.4	97.2



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: 1.970 ug/l

RT: 15.24 min Scan# 2215

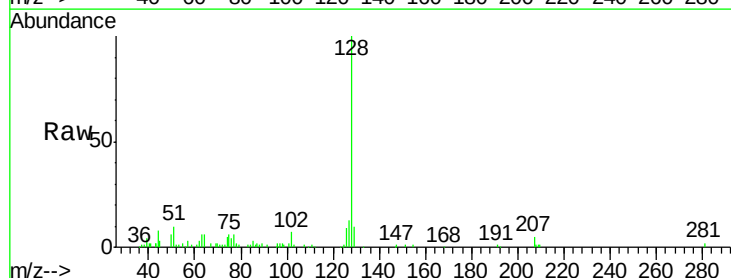
Delta R.T. 0.01 min

Lab File: VY003142.D

Acq: 09 Jul 2020 13:03

Tgt Ion:128 Resp: 22549

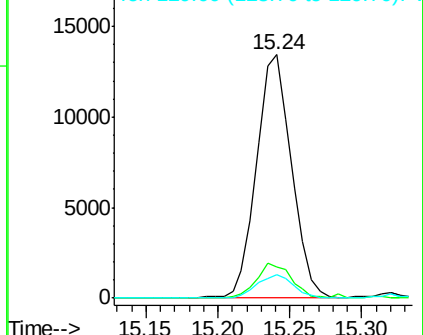
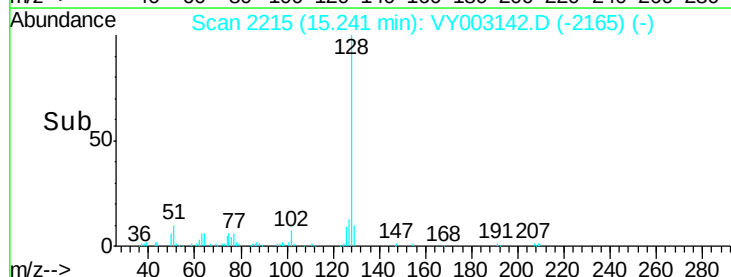
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.8	16.2
129	10.0	8.8	13.2

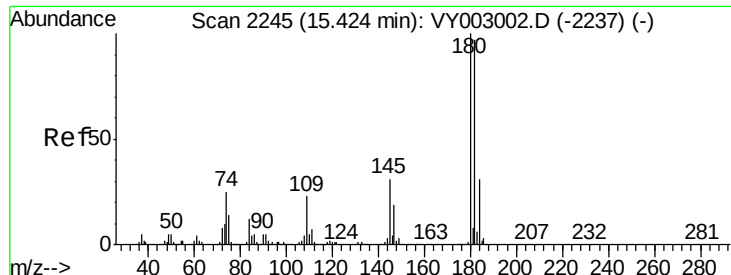


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.141 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003142.D
 Acq: 09 Jul 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.3
145	31.3	14.7	44.1

