

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003419.D
 Acq On : 03 Aug 2020 16:03
 Operator : SY/MD
 Sample : L3545-03
 Misc : 5.59G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Quant Time: Aug 04 01:34:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	460067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	723352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	687544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	345568	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	229315	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	7.72	113	229154	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
50) Toluene-d8	10.18	98	883994	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.48	95	298302	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	

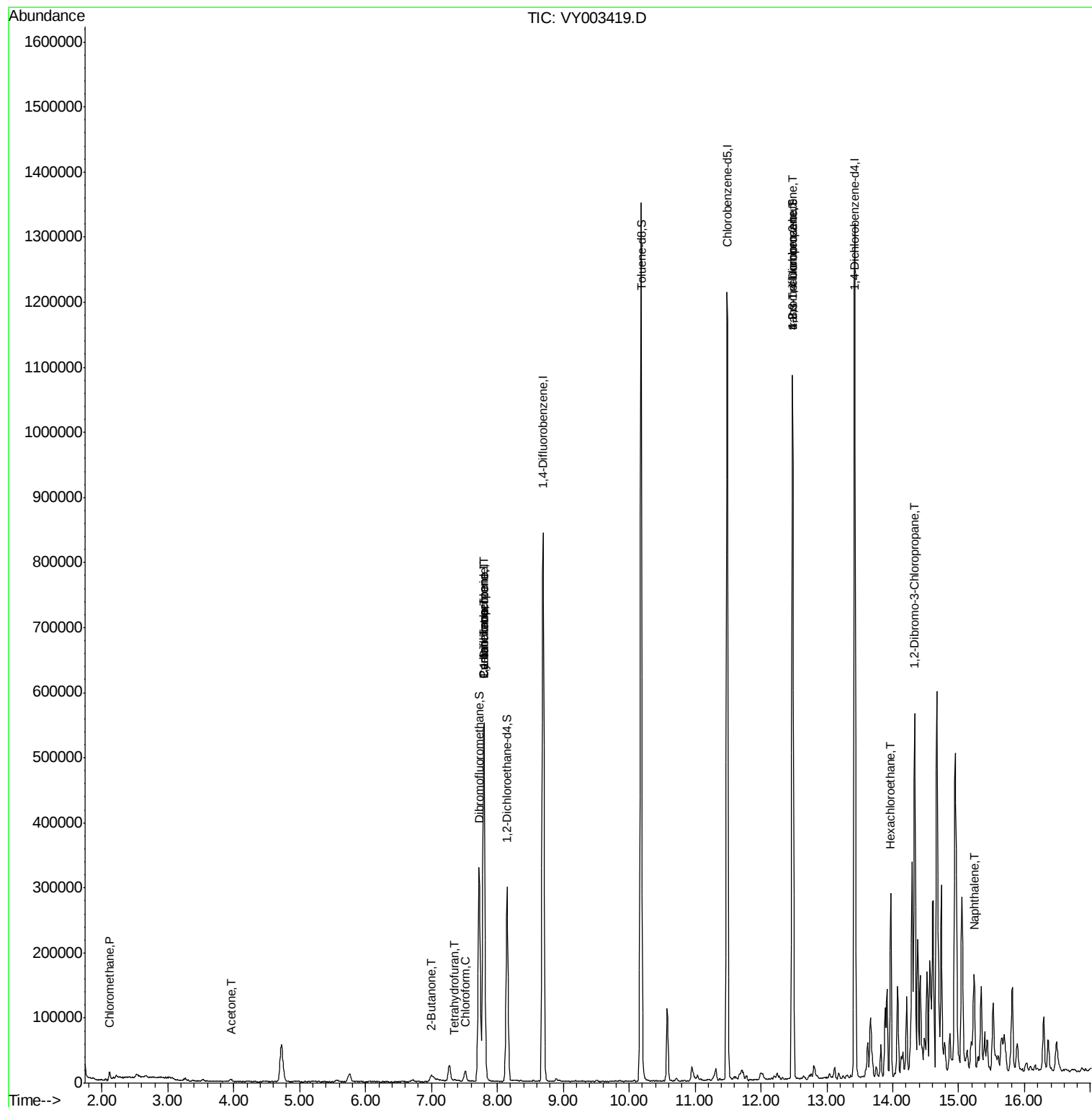
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	9213	1.786	ug/l	96
11) Tert butyl alcohol	4.97	59	685	Below Cal	#	84
16) Acetone	3.95	43	5772	5.340	ug/l	94
20) Methylene Chloride	4.72	84	45462	Below Cal	#	90
25) 2-Butanone	7.00	43	1802	1.094	ug/l #	87
29) Tetrahydrofuran	7.36	42	1157	1.077	ug/l #	44
30) Chloroform	7.52	83	14565	1.837	ug/l	97
31) Cyclohexane	7.79	56	9350	1.206	ug/l #	23
36) 1,1-Dichloropropene	7.80	75	32735	4.782	ug/l #	50
38) Carbon Tetrachloride	7.79	117	42045	5.969	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	149811	48.258	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	149811	91.267	ug/l #	15
90) Hexachloroethane	13.97	117	14457	3.563	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.33	75	2180	3.059	ug/l #	1
95) Naphthalene	15.23	128	100724	8.769	ug/l	99

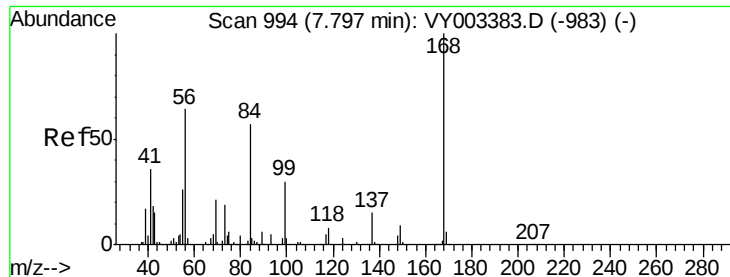
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 31 13:09:26 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: VY003419.D

Acq: 03 Aug 2020 16:03

Instrument :

MSVOA_Y

ClientSampleId :

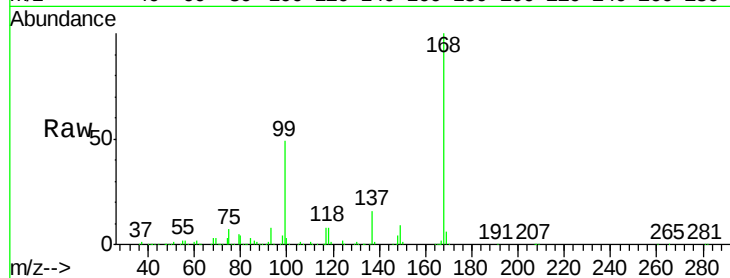
SB-1

Tot Ion:168 Resp: 460067

Ion Ratio Lower Upper

168 100

99 48.6 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

200000

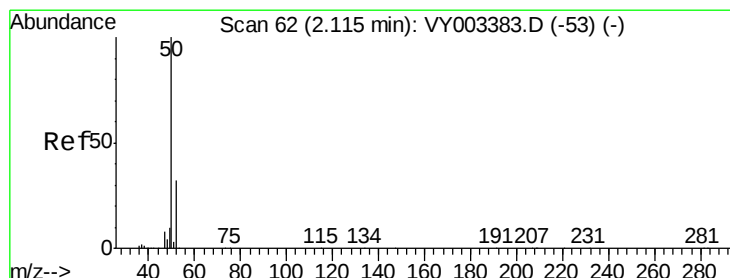
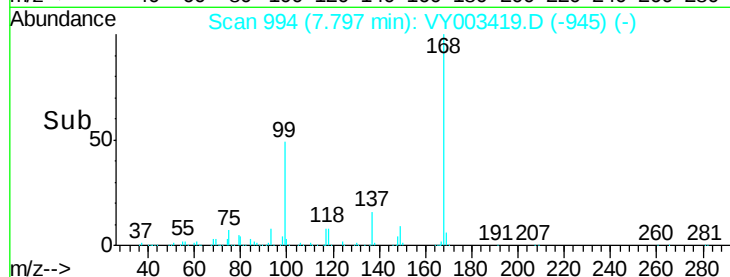
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.786 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003419.D

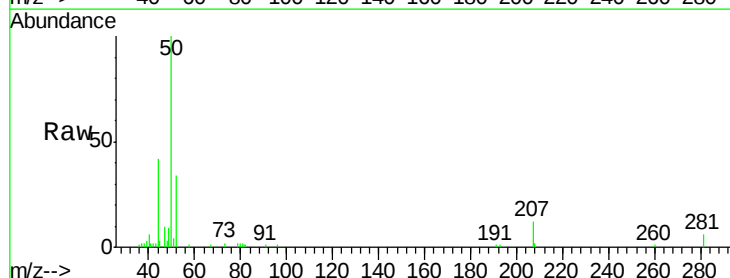
Acq: 03 Aug 2020 16:03

Tgt Ion: 50 Resp: 9213

Ion Ratio Lower Upper

50 100

52 34.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY003383.D (-53) (-)

Ion 51.90 (51.60 to 52.60): VY003383.D (-53) (-)

2.11

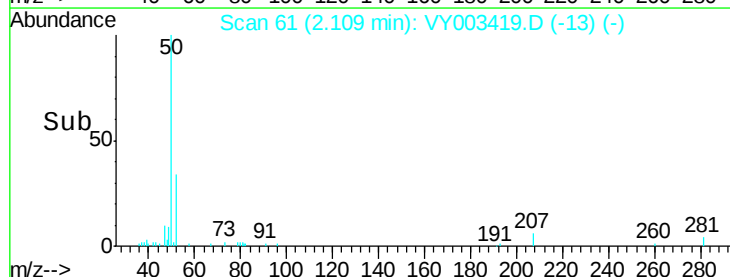
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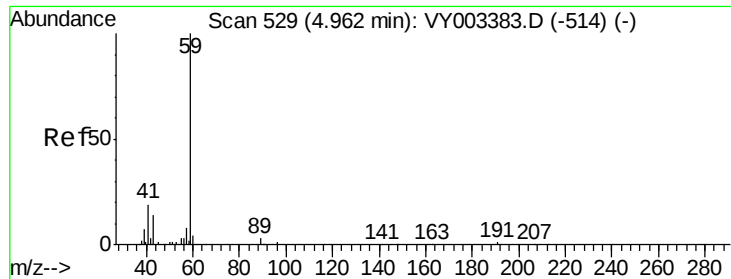
4000

2000

0

Time-->

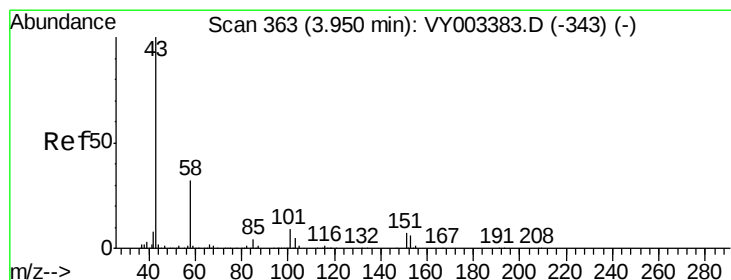
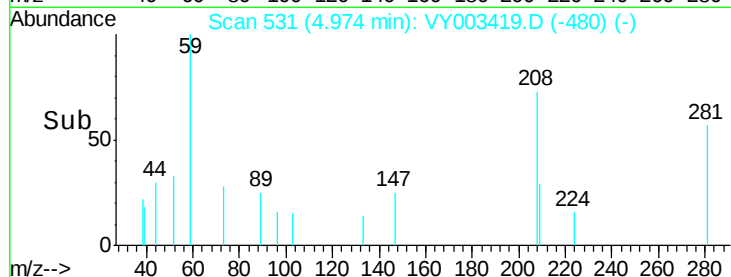
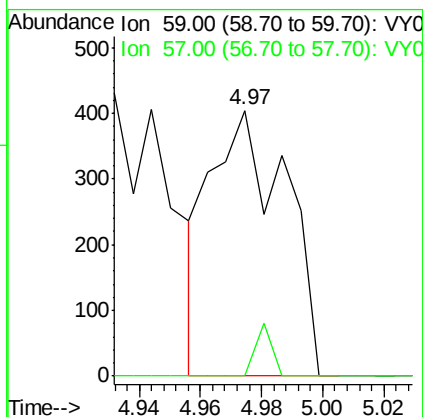
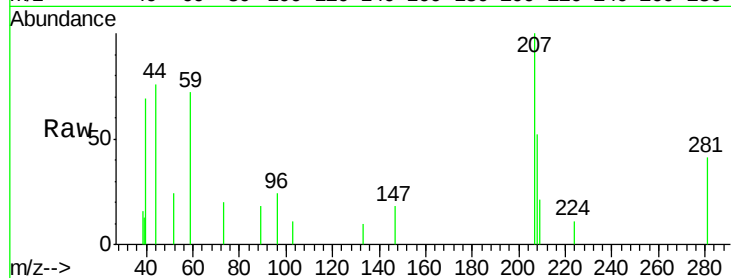




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

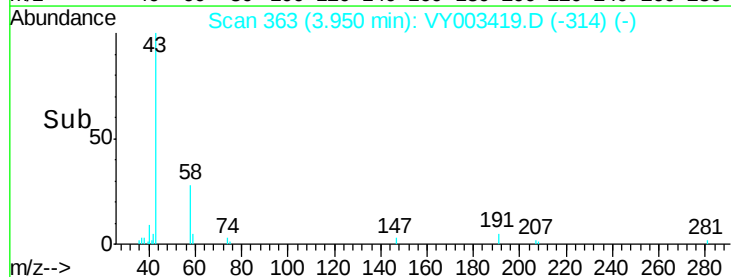
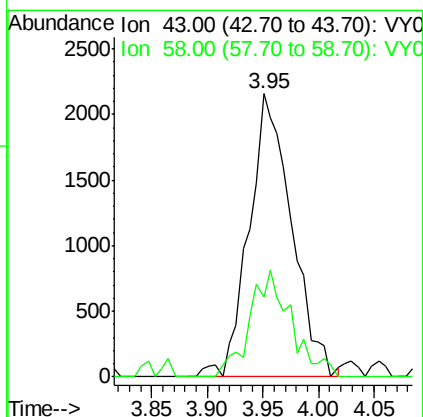
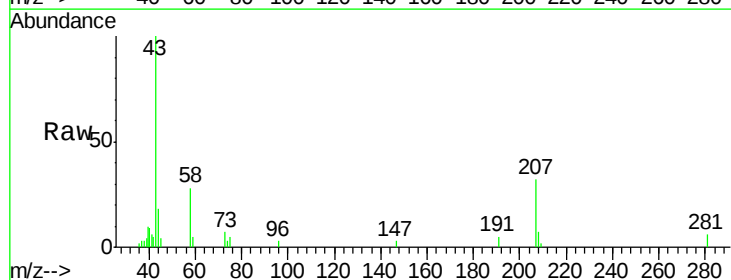
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

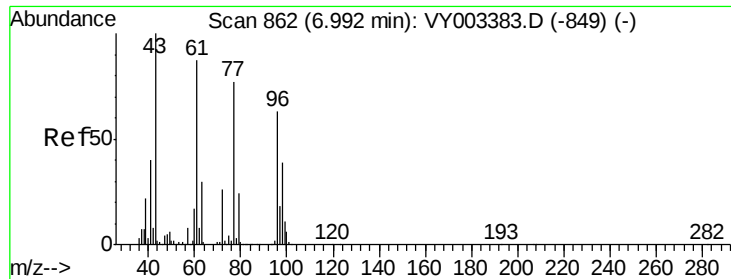
Tot Ion: 59 Resp: 685
Ion Ratio Lower Upper
59 100
57 4.2 8.0 12.0#



#16
Acetone
Concen: 5.340 ug/l
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

Tgt Ion: 43 Resp: 5772
Ion Ratio Lower Upper
43 100
58 28.4 25.4 38.2

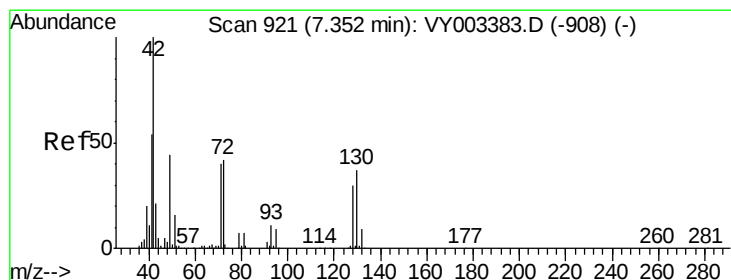
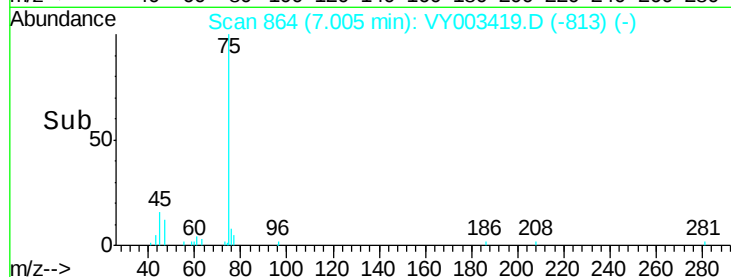
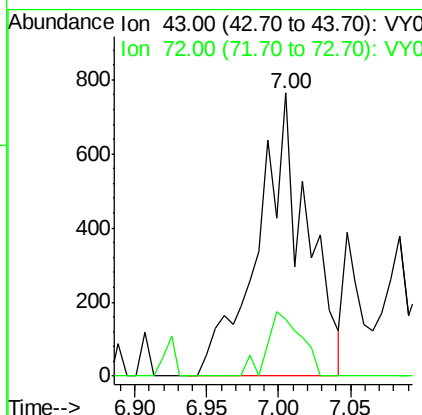
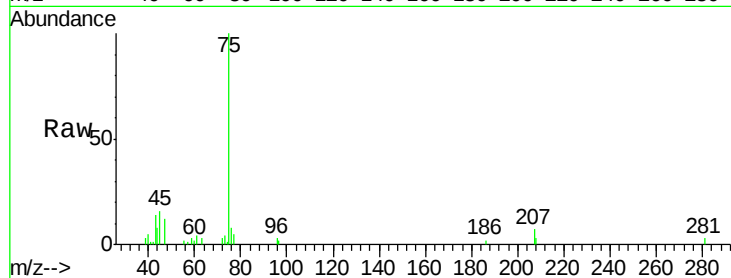




#25
2-Butanone
Concen: 1.094 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

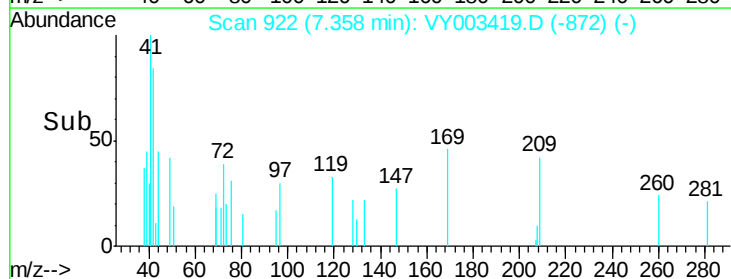
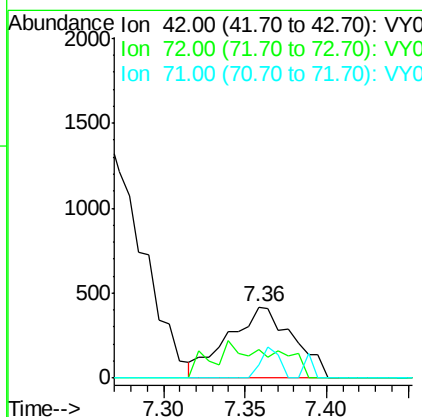
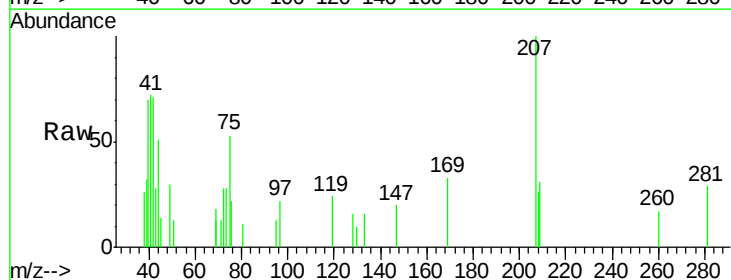
Instrument :
MSVOA_Y
ClientSampled :
SB-1

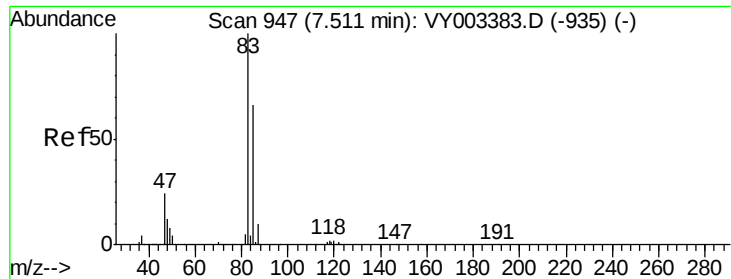
Tot Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
72 19.9 21.1 31.7#



#29
Tetrahydrofuran
Concen: 1.077 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

Tgt Ion: 42 Resp: 1157
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 12.4 32.1 48.1#

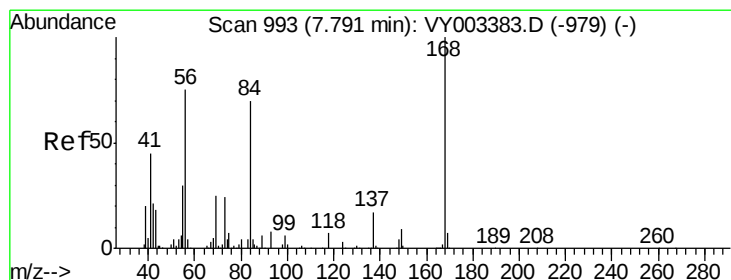
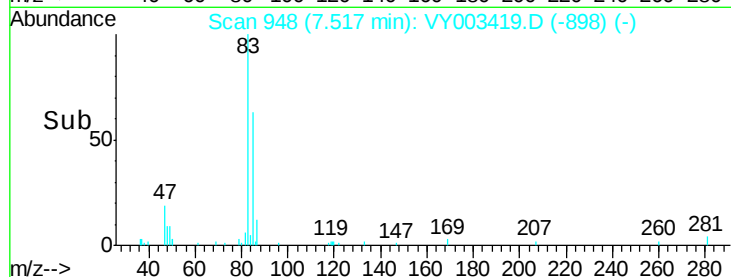
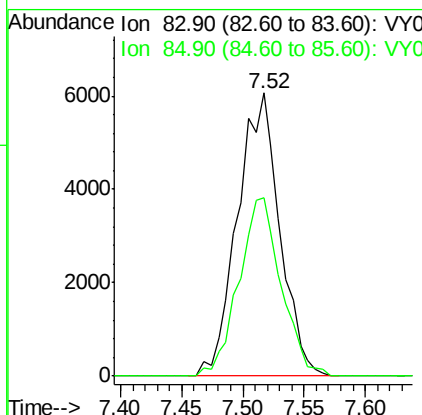
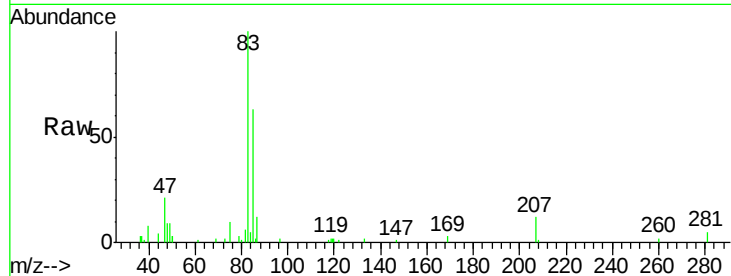




#30
Chloroform
Concen: 1.837 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.01 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

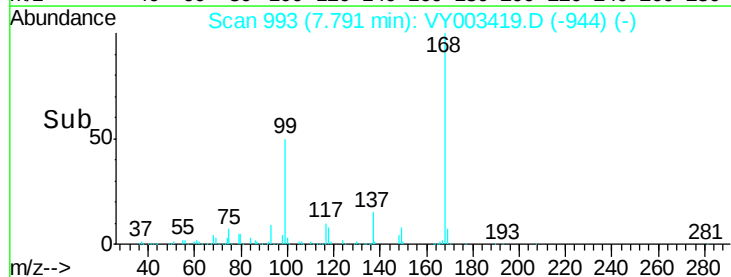
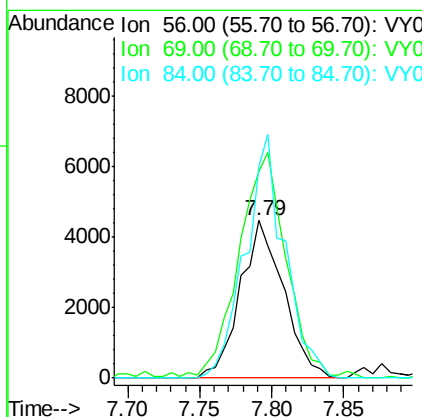
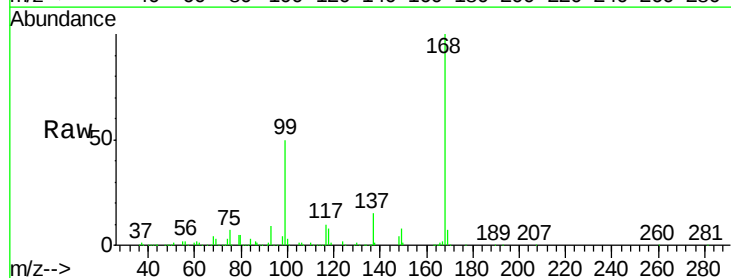
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

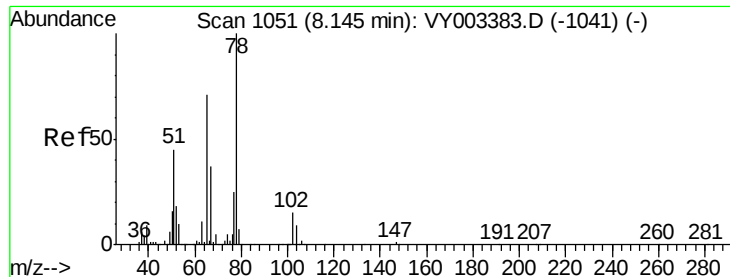
Tot Ion: 83 Resp: 14565
Ion Ratio Lower Upper
83 100
85 63.0 52.5 78.7



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

Tgt Ion: 56 Resp: 9350
Ion Ratio Lower Upper
56 100
69 128.7 26.1 39.1#
84 133.9 73.9 110.9#

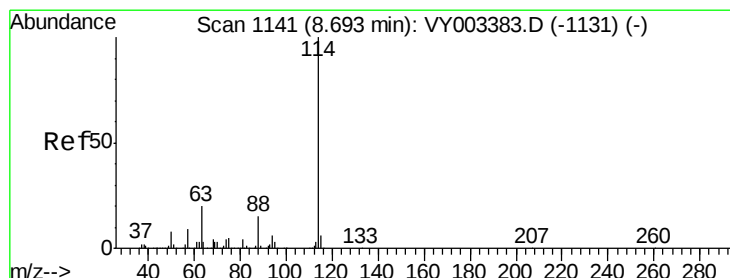
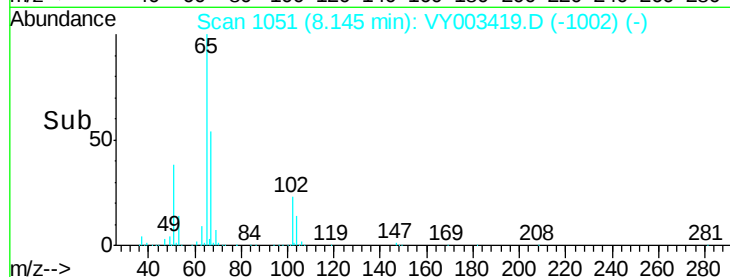
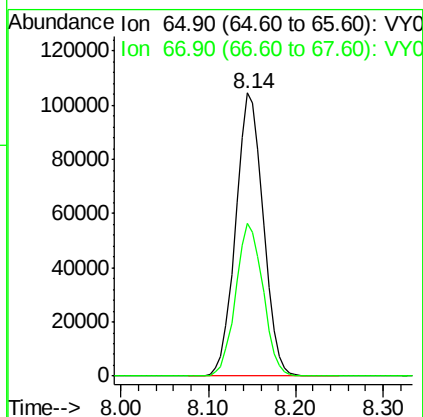
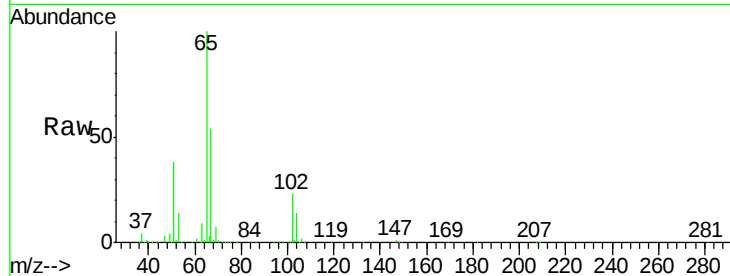




#33
 1,2-Dichloroethane-d4
 Concen: 52.422 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003419.D
 Acq: 03 Aug 2020 16:03

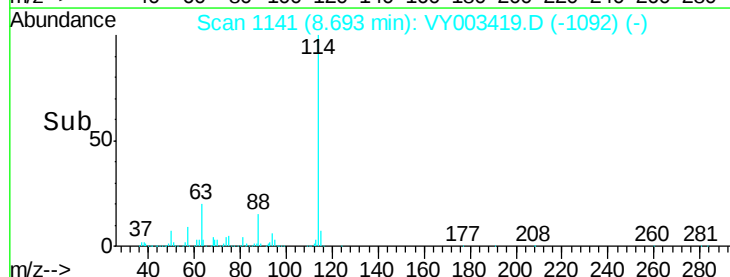
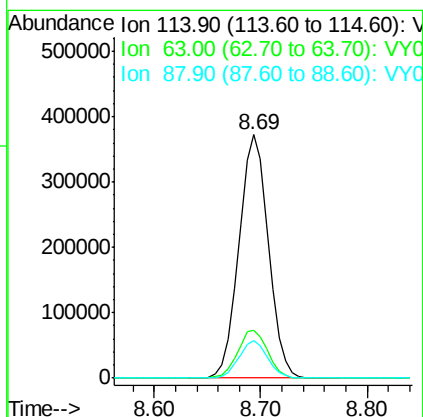
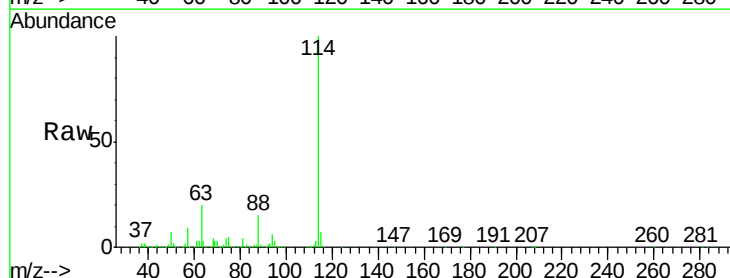
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

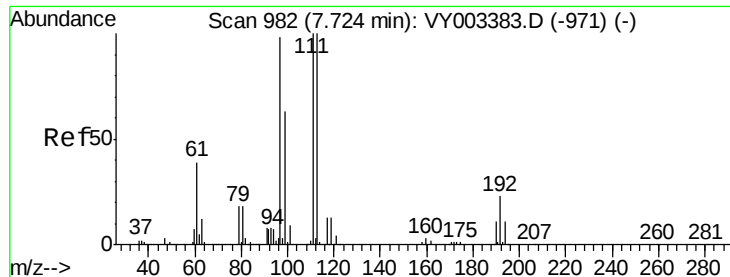
Tot Ion: 65 Resp: 229315
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003419.D
 Acq: 03 Aug 2020 16:03

Tgt Ion: 114 Resp: 723352
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.6
 88 15.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.780 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003419.D

Acq: 03 Aug 2020 16:03

Instrument :

MSVOA_Y

ClientSampled :

SB-1

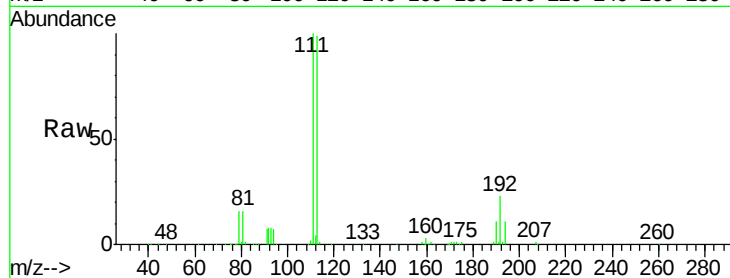
Tot Ion:113 Resp: 229154

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

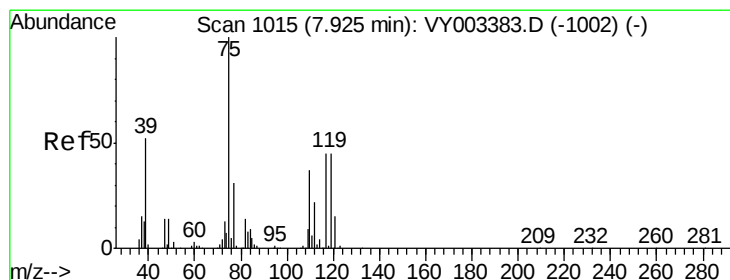
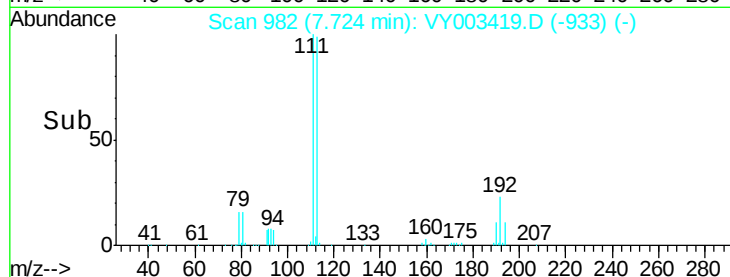
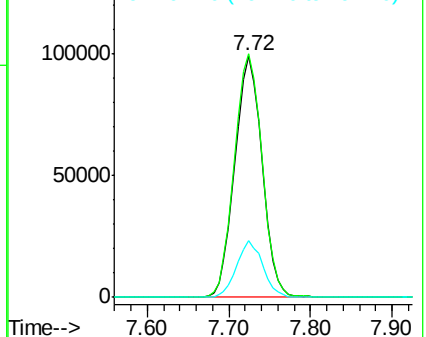
192 22.7 18.8 28.2



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: 4.782 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003419.D

Acq: 03 Aug 2020 16:03

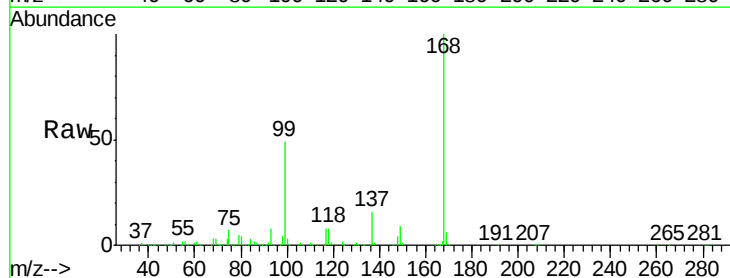
Tgt Ion: 75 Resp: 32735

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.5#

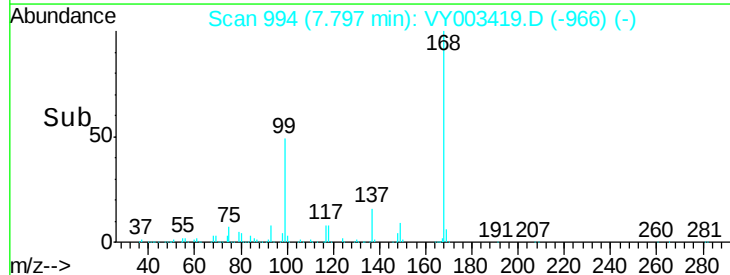
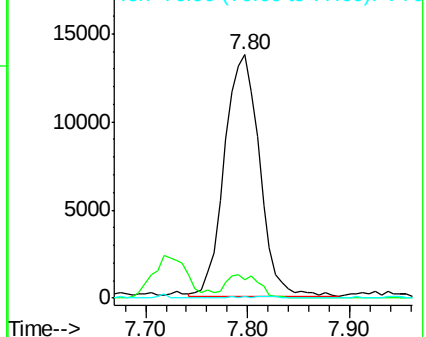
77 0.2 24.6 36.8#

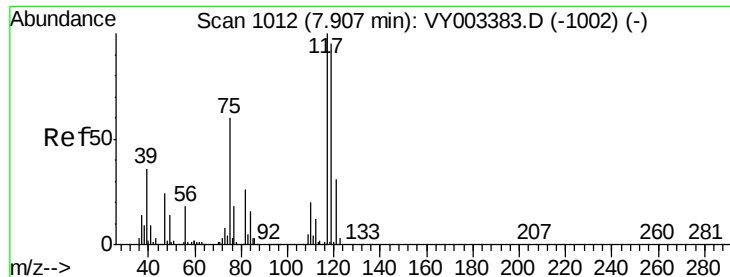


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

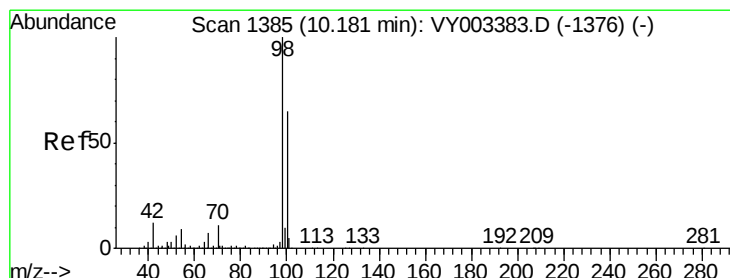
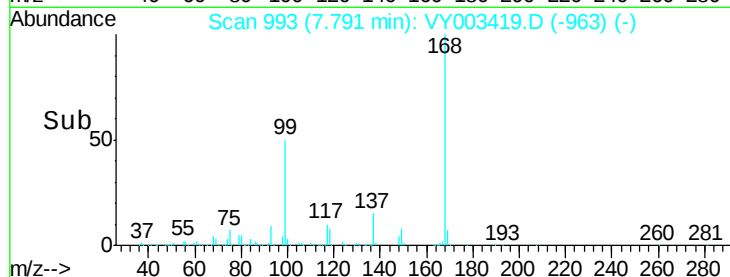
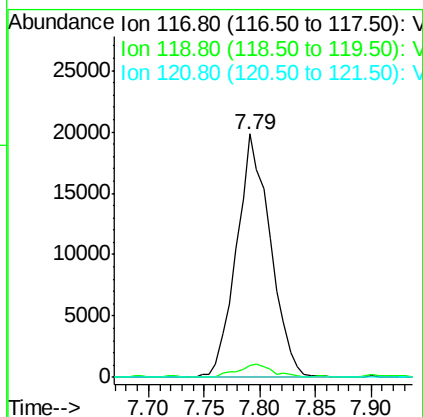
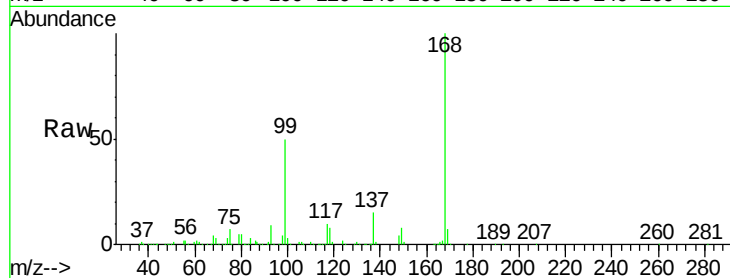




#38
Carbon Tetrachloride
Concen: 5.969 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

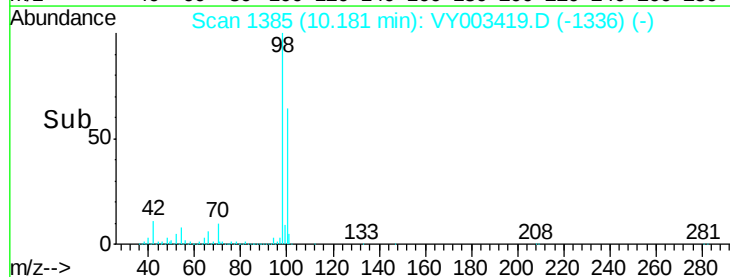
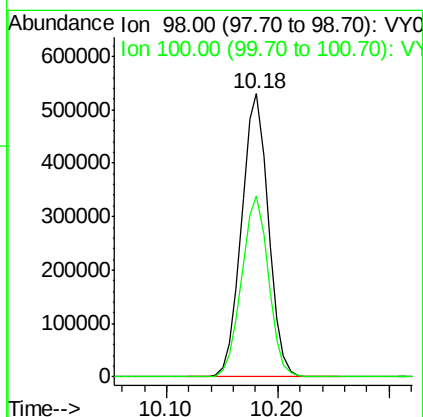
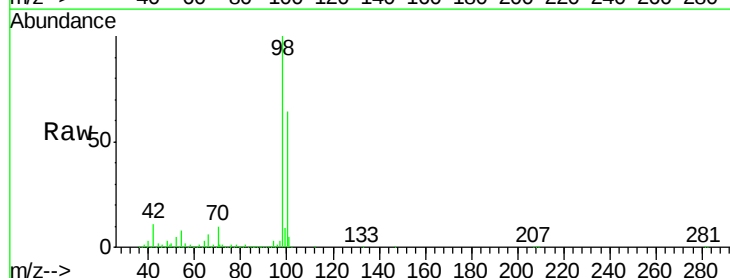
Instrument :
MSVOA_Y
ClientSampled :
SB-1

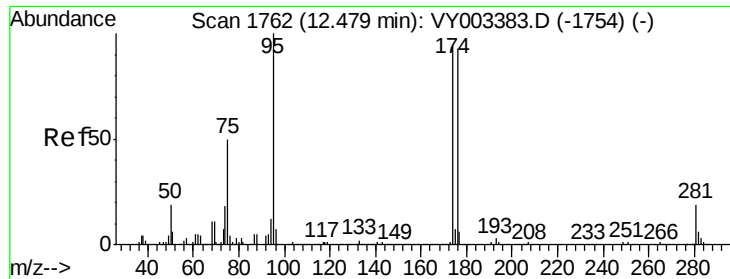
Tot Ion:117 Resp: 42045
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.980 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

Tgt Ion: 98 Resp: 883994
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9

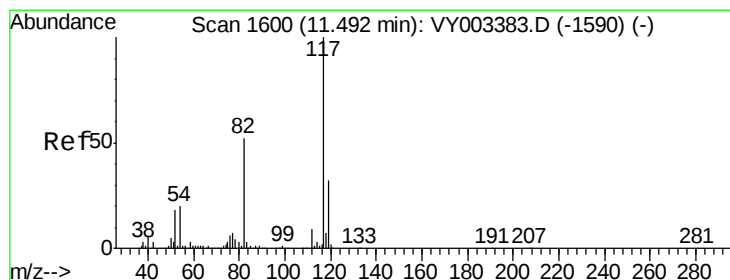
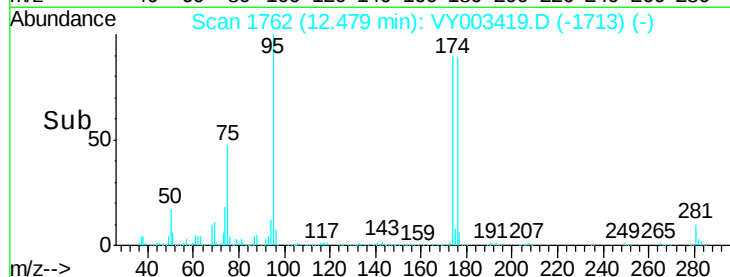
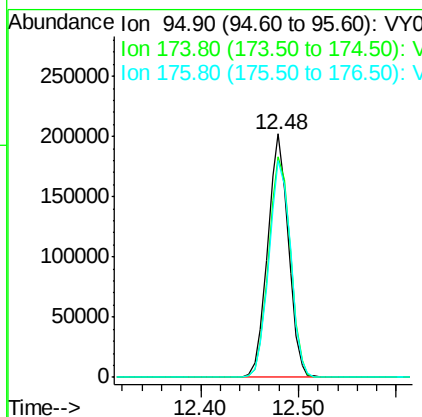
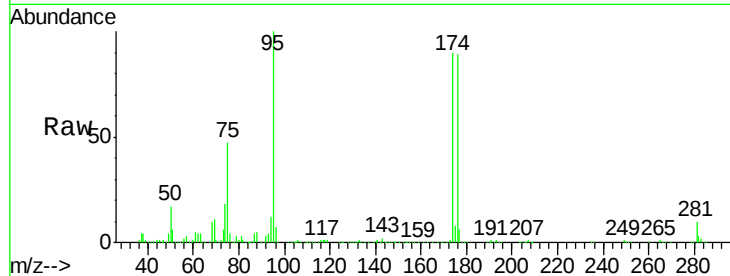




#62
4-Bromofluorobenzene
Concen: 52.325 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

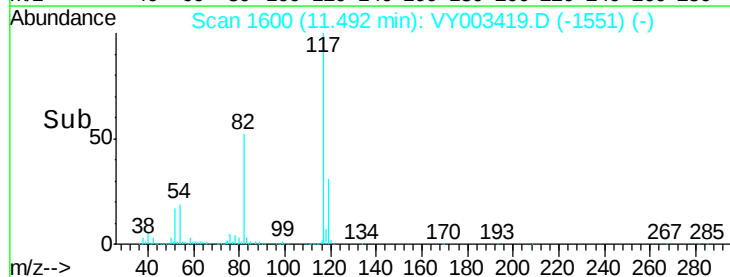
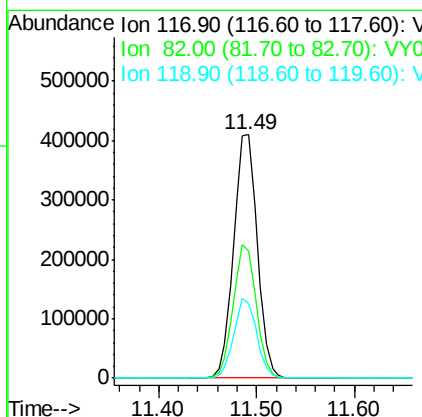
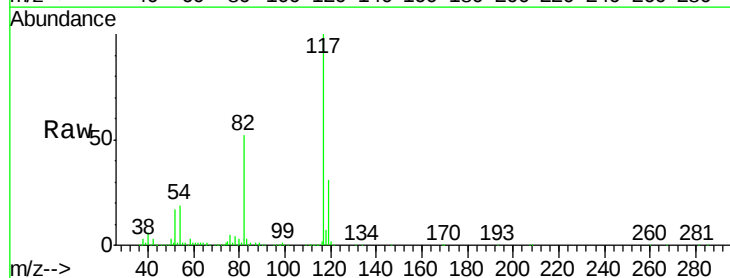
Instrument :
MSVOA_Y
ClientSampled :
SB-1

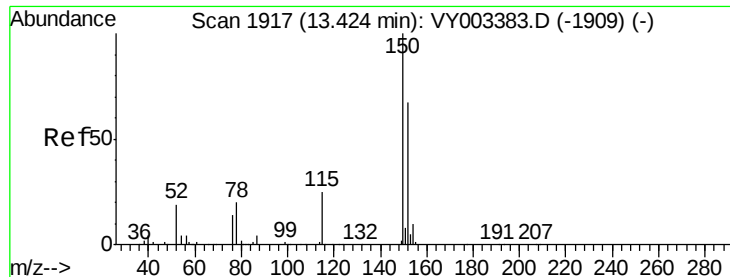
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	190.0
176	92.5	0.0	184.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003419.D
Acq: 03 Aug 2020 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.9	62.9
119	30.9	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003419.D

Acq: 03 Aug 2020 16:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

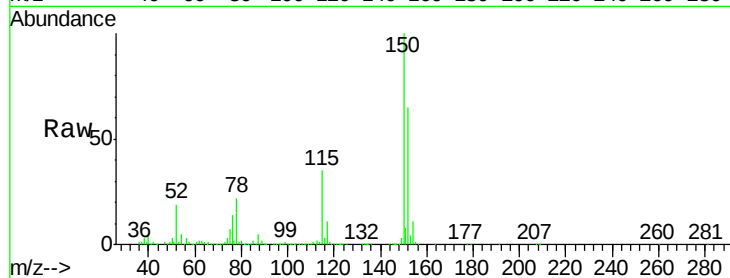
Tot Ion:152 Resp: 345568

Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.5

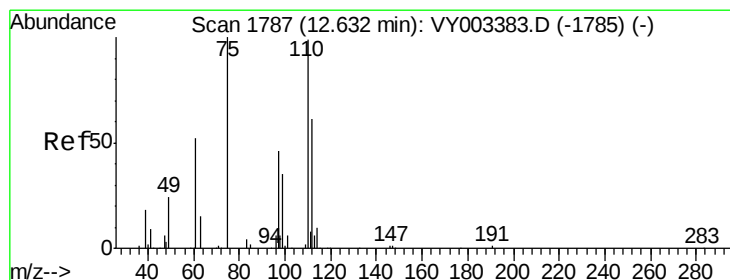
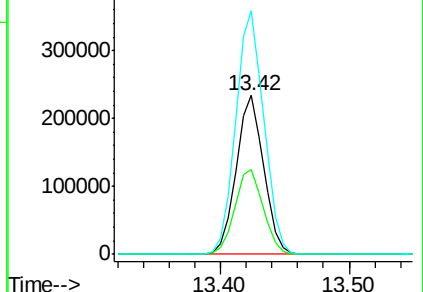
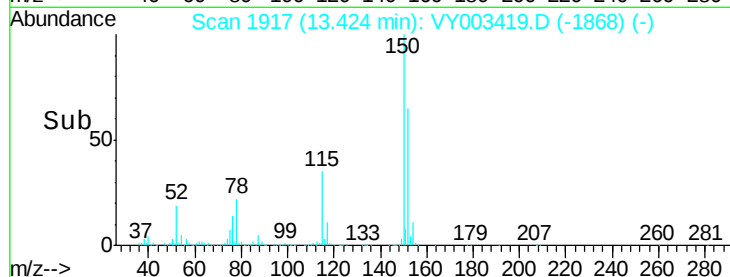
150 156.8 0.0 346.8



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: 48.258 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003419.D

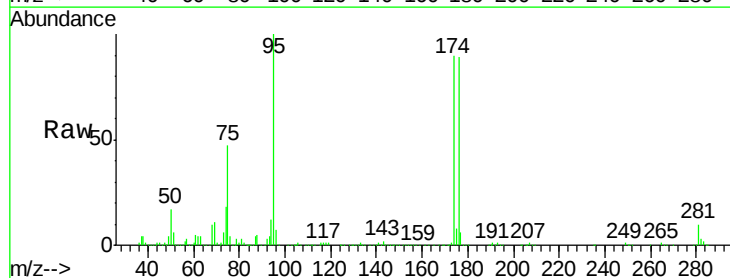
Acq: 03 Aug 2020 16:03

Tgt Ion: 75 Resp: 149811

Ion Ratio Lower Upper

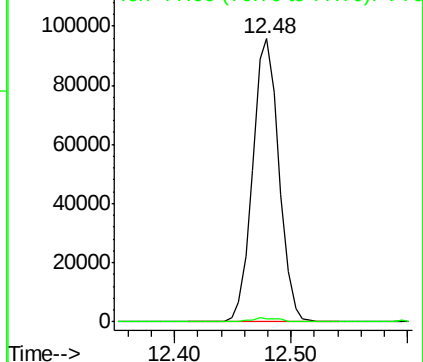
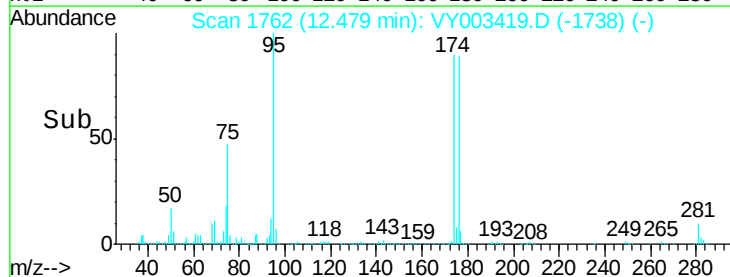
75 100

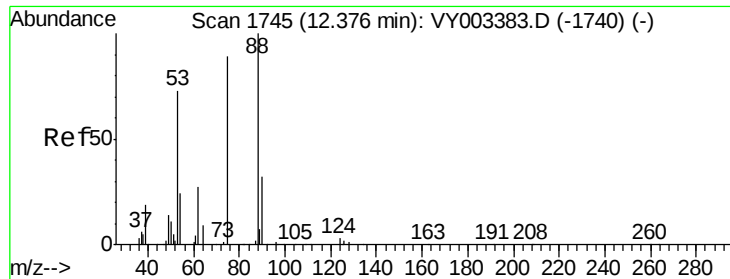
77 1.6 0.0 0.0#



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: 91.267 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003419.D

Acq: 03 Aug 2020 16:03

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

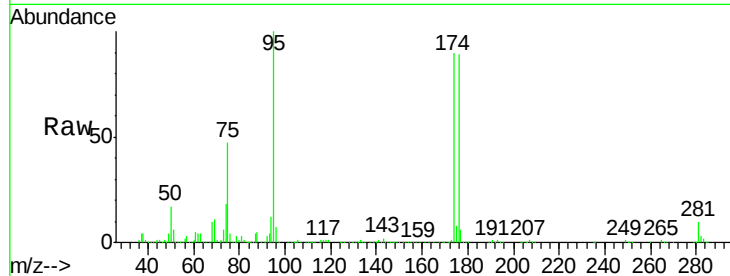
Tot Ion: 75 Resp: 149811

Ion Ratio Lower Upper

75 100

53 0.1 69.5 104.3#

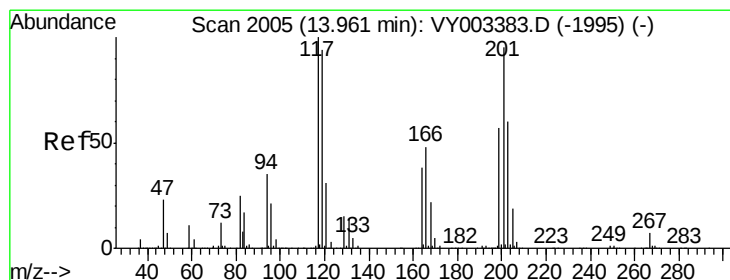
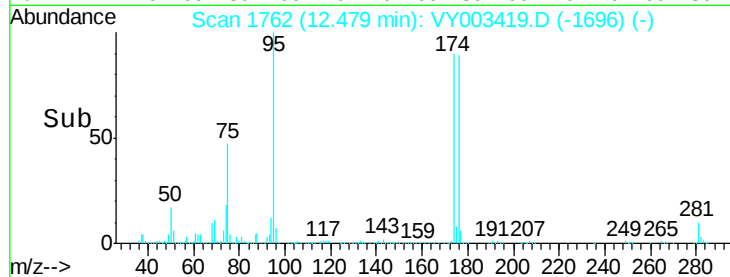
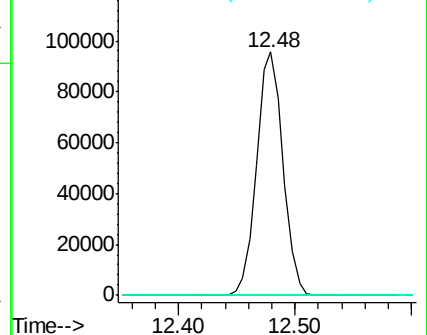
89 0.1 33.8 50.6#



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



#90

Hexachloroethane

Concen: 3.563 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY003419.D

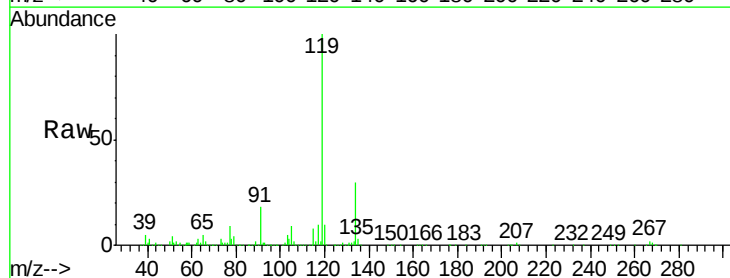
Acq: 03 Aug 2020 16:03

Tgt Ion: 117 Resp: 14457

Ion Ratio Lower Upper

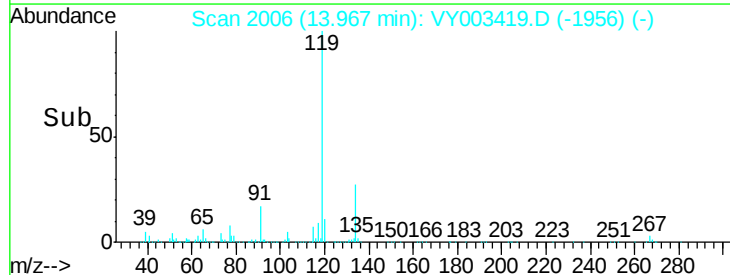
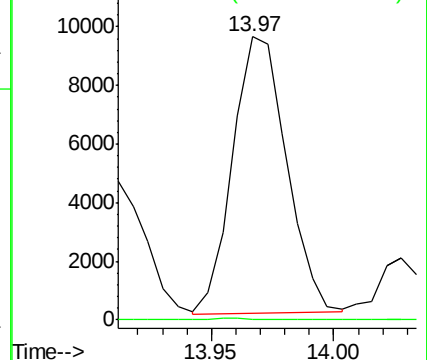
117 100

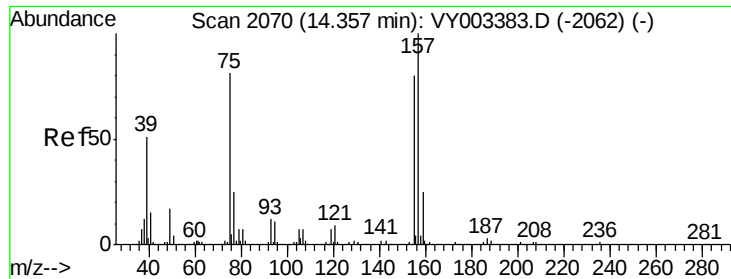
201 0.4 44.7 134.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

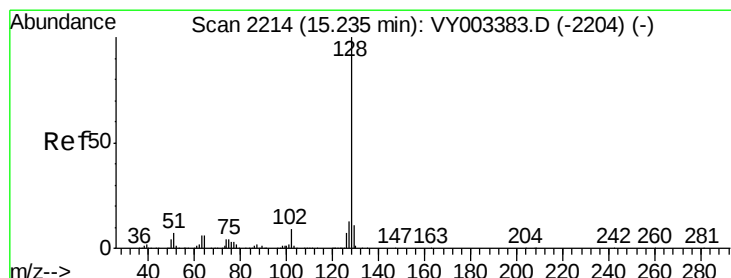
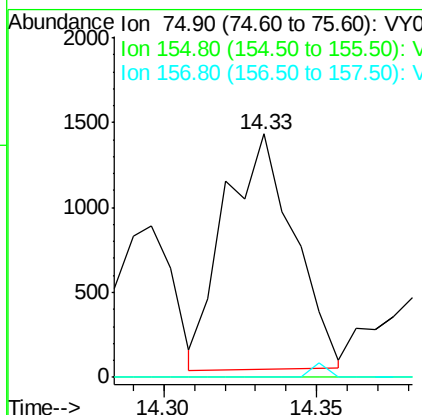
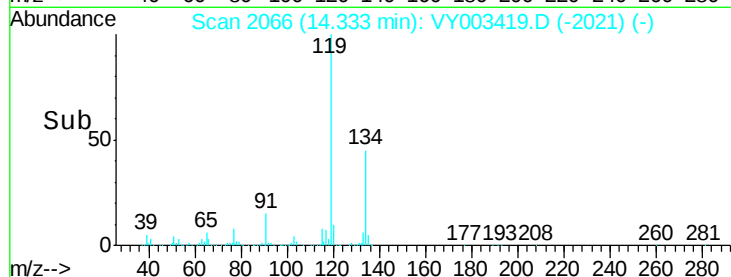
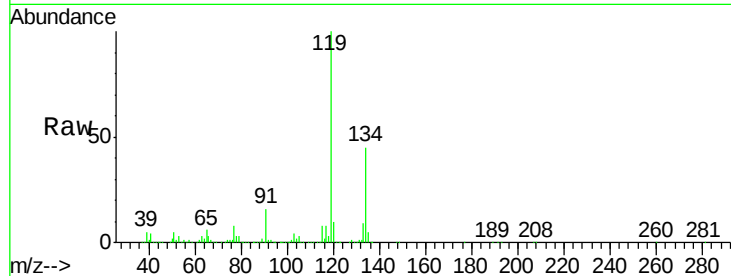




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.059 ug/l
 RT: 14.33 min Scan# 2066
 Delta R.T. -0.02 min
 Lab File: VY003419.D
 Acq: 03 Aug 2020 16:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Tot Ion: 75 Resp: 2180
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.8 146.4#
 157 1.4 60.9 182.6#



#95
 Naphthalene
 Concen: 8.769 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY003419.D
 Acq: 03 Aug 2020 16:03

Tgt Ion: 128 Resp: 100724
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.4 15.6
 129 11.2 8.7 13.1

