

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003294.D
 Acq On : 22 Jul 2020 17:33
 Operator : SY/MD
 Sample : L3360-02RE
 Misc : 6.63G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1BRE

Quant Time: Jul 23 05:44:14 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	379801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	593081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	548725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	264580	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	189970	59.26	ug/l	0.00
Spiked Amount			Recovery	=	118.52%	
35) Dibromofluoromethane	7.72	113	88327	25.88	ug/l	0.00
Spiked Amount			Recovery	=	51.76%	
50) Toluene-d8	10.18	98	721842	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
62) 4-Bromofluorobenzene	12.48	95	231086	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	

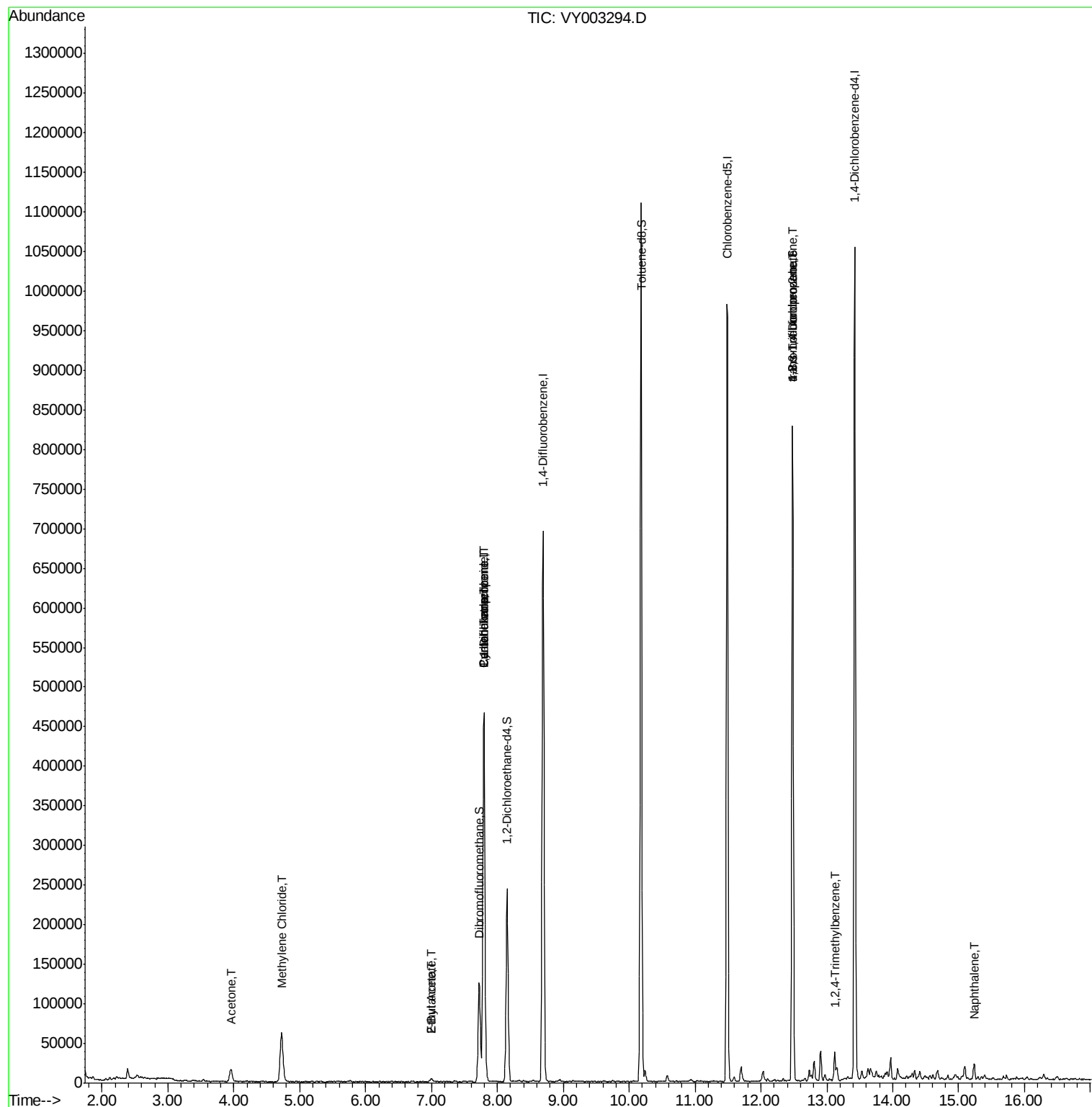
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	28352	39.595	ug/l	95
20) Methylene Chloride	4.72	84	47075	8.506	ug/l	96
25) 2-Butanone	6.99	43	6778	5.765	ug/l	99
31) Cyclohexane	7.79	56	6943	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26486	4.927	ug/l #	49
37) Ethyl Acetate	6.99	43	6778	2.341	ug/l #	67
38) Carbon Tetrachloride	7.79	117	34491	6.216	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	118510	50.602	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118510	98.482	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	19263	1.362	ug/l	100
95) Naphthalene	15.23	128	16111	1.921	ug/l #	96

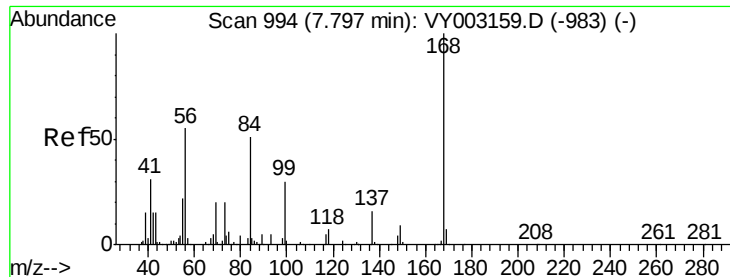
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003294.D

Acq: 22 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

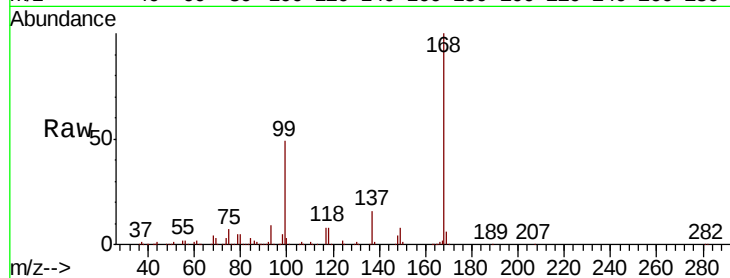
SP-1BRE

Tot Ion:168 Resp: 379801

Ion Ratio Lower Upper

168 100

99 49.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003294.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003294.D (-945) (-)

7.80

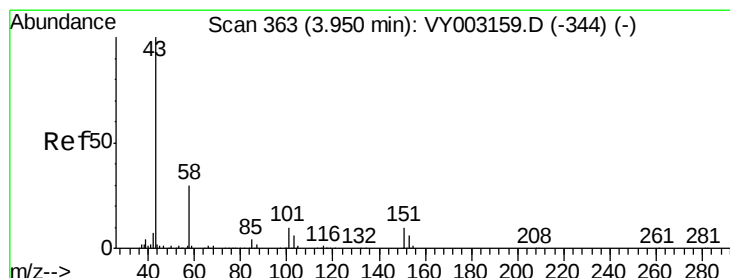
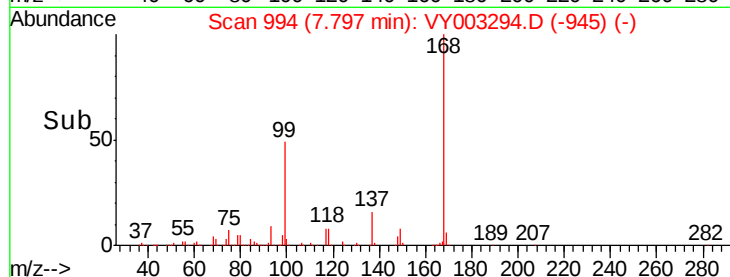
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 39.595 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003294.D

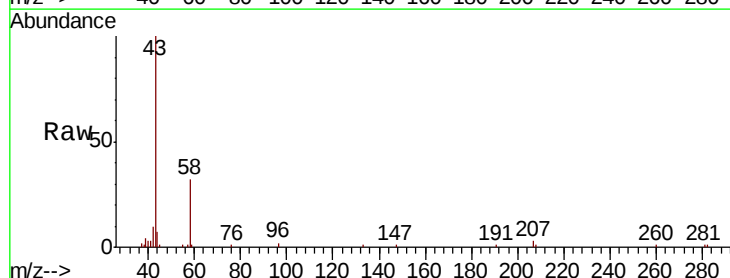
Acq: 22 Jul 2020 17:33

Tgt Ion: 43 Resp: 28352

Ion Ratio Lower Upper

43 100

58 32.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003294.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003294.D (-314) (-)

3.96

12000

10000

8000

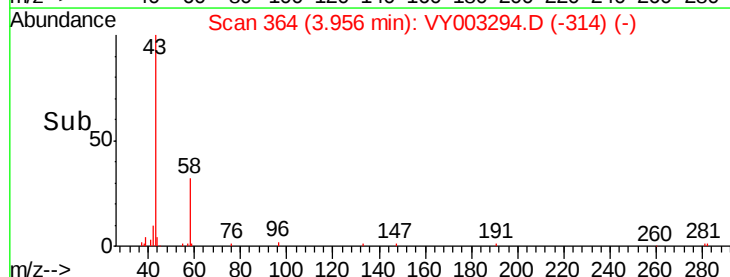
6000

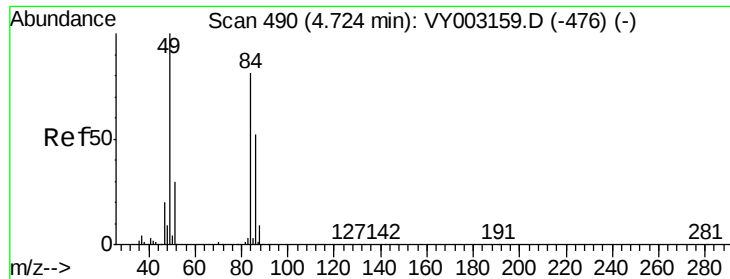
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2000

0

Time-->

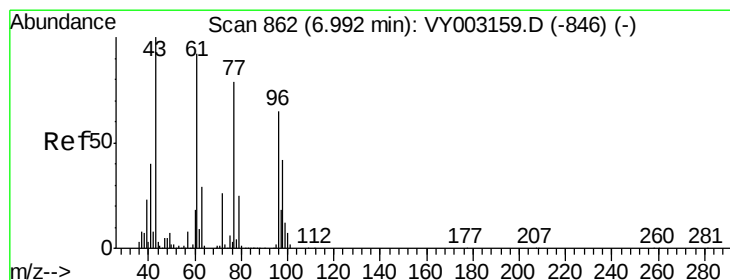
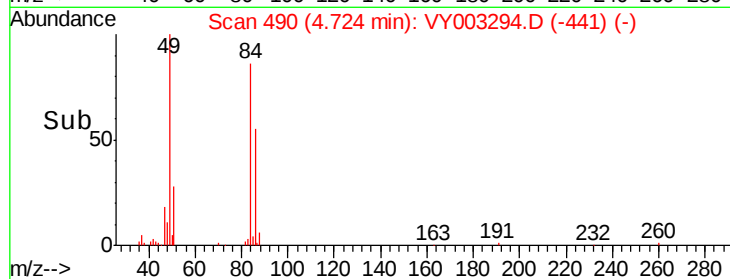
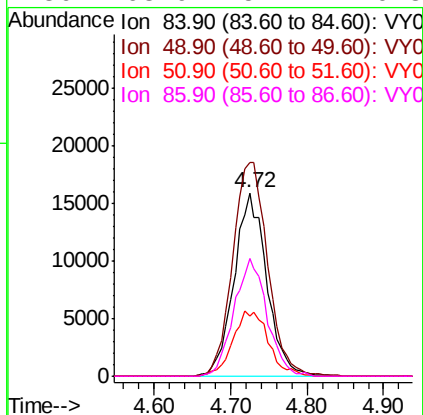
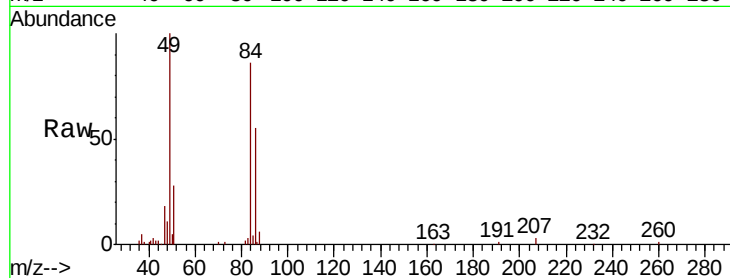




#20
Methvlene Chloride
Concen: 8.506 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003294.D
Acq: 22 Jul 2020 17:33

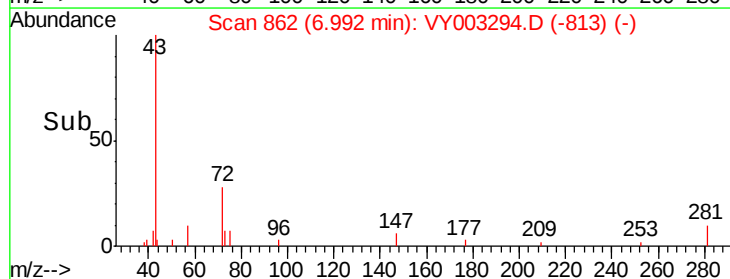
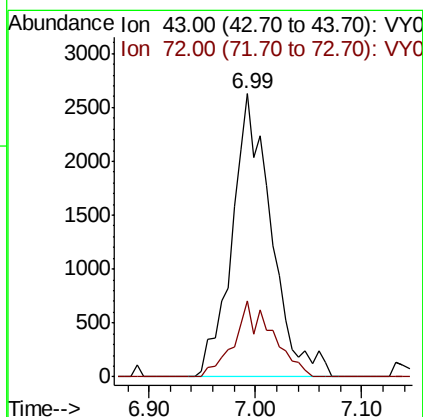
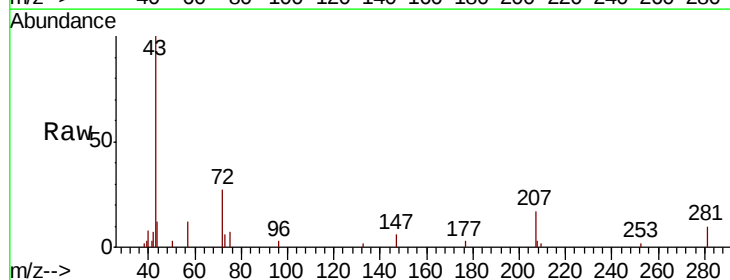
Instrument :
MSVOA_Y
ClientSampleId :
SP-1BRE

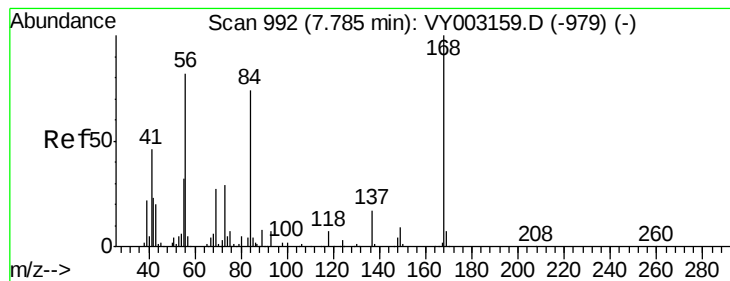
Tot Ion:	84	Resp:	47075
Ion	Ratio	Lower	Upper
84	100		
49	116.4	98.2	147.4
51	32.8	29.8	44.6
86	63.9	51.2	76.8



#25
2-Butanone
Concen: 5.765 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003294.D
Acq: 22 Jul 2020 17:33

Tgt Ion:	43	Resp:	6778
Ion	Ratio	Lower	Upper
43	100		
72	26.7	20.9	31.3





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003294.D

Acq: 22 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

SP-1BRE

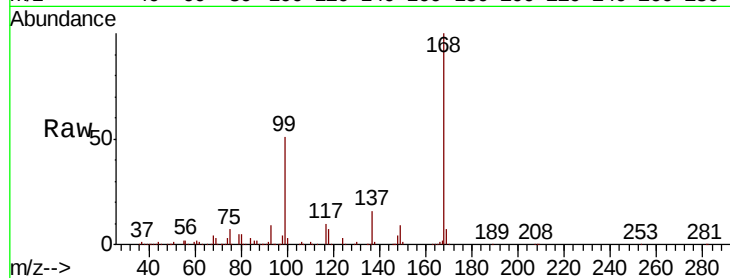
Tot Ion: 56 Resp: 6943

Ion Ratio Lower Upper

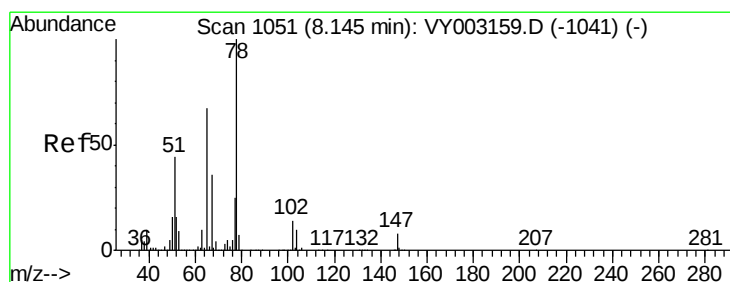
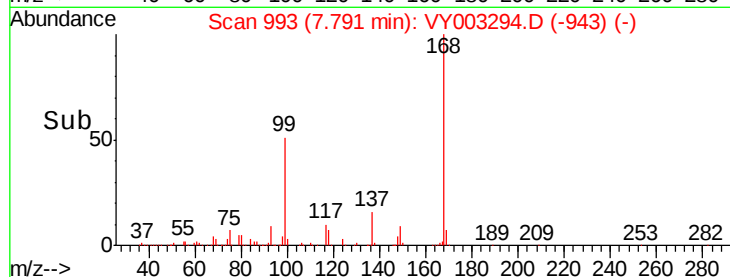
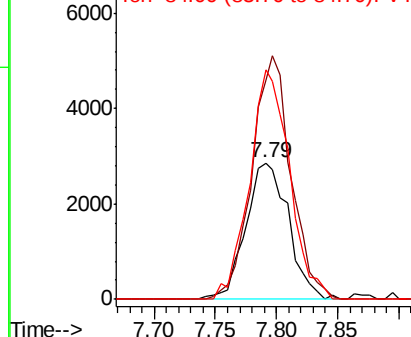
56 100

69 161.2 26.7 40.1#

84 168.7 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: 59.261 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003294.D

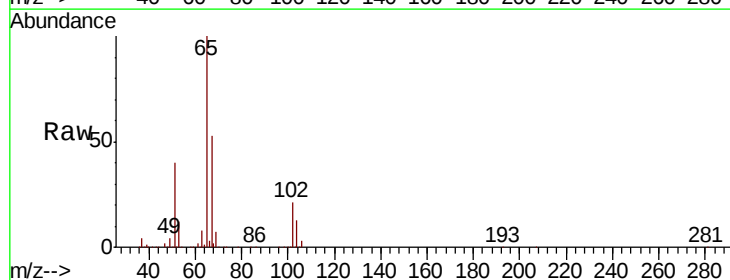
Acq: 22 Jul 2020 17:33

Tgt Ion: 65 Resp: 189970

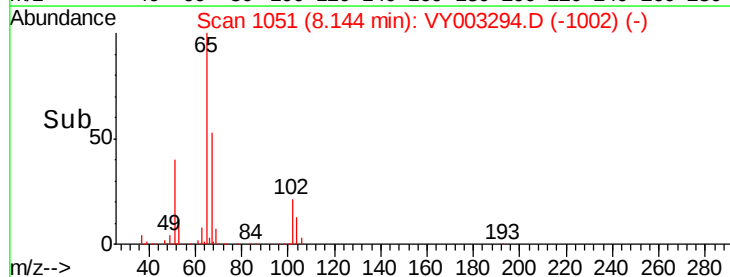
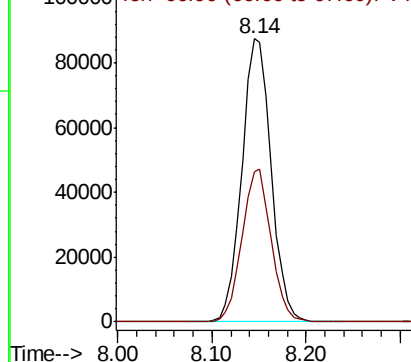
Ion Ratio Lower Upper

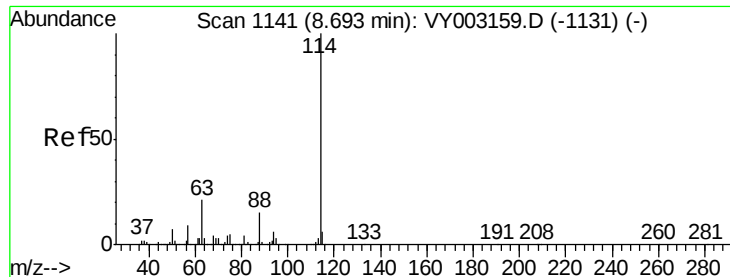
65 100

67 53.6 0.0 105.2



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

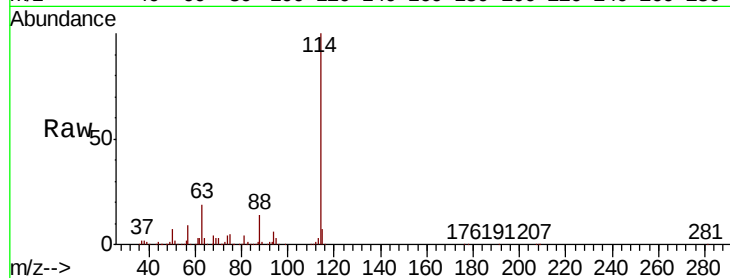




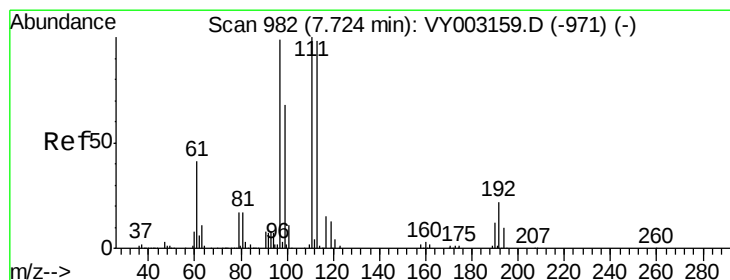
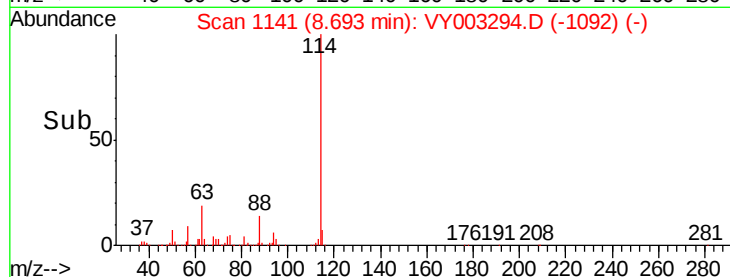
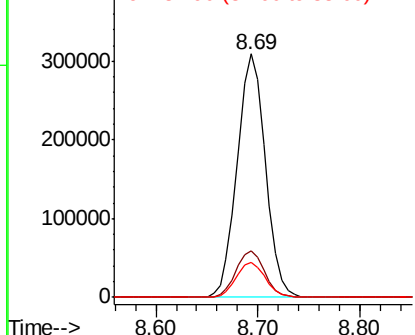
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003294.D
 Acq: 22 Jul 2020 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1BRE

Tot Ion:114 Resp: 593081
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.2
 88 14.4 0.0 30.2

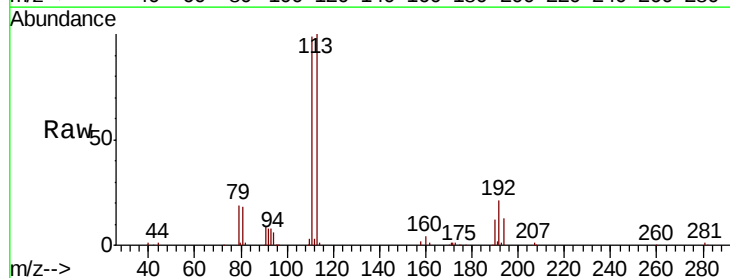


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

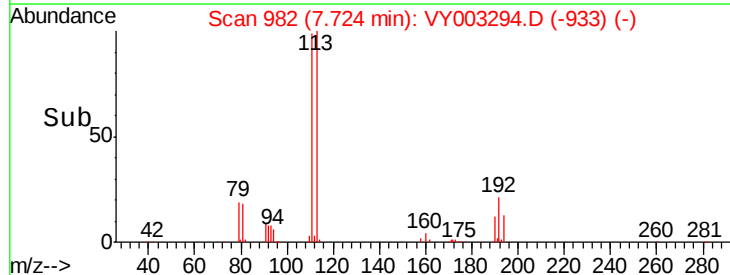
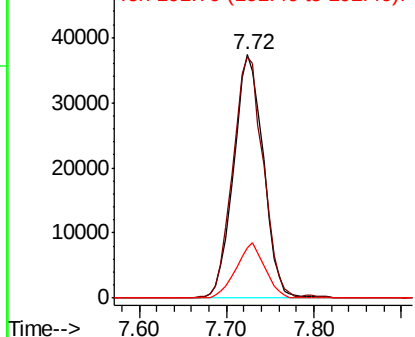


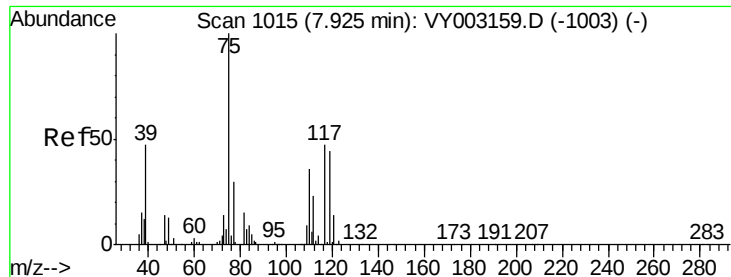
#35
 Dibromofluoromethane
 Concen: 25.879 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003294.D
 Acq: 22 Jul 2020 17:33

Tgt Ion:113 Resp: 88327
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.1 123.1
 192 22.0 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: 4.927 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003294.D

Acq: 22 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

SP-1BRE

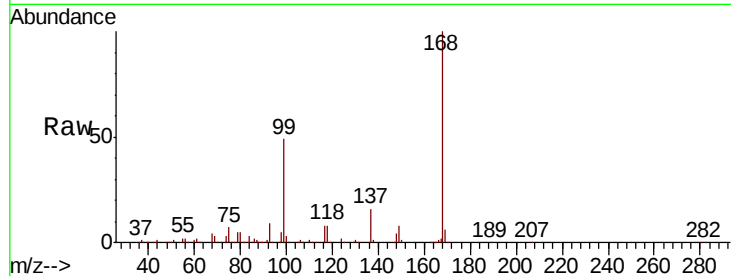
Tot Ion: 75 Resp: 26486

Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.1#

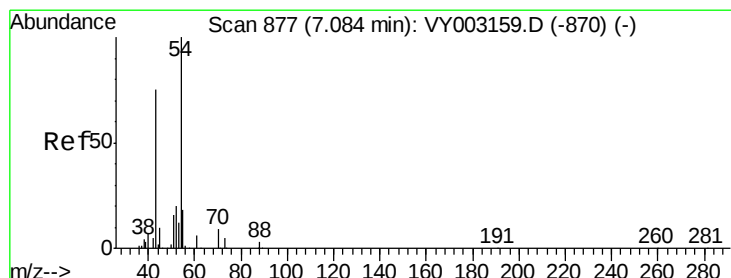
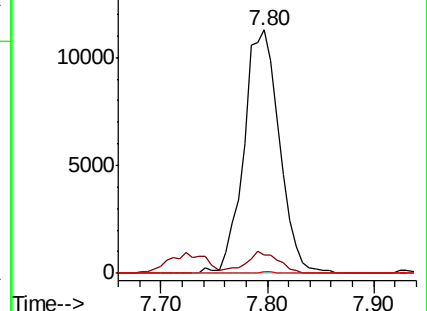
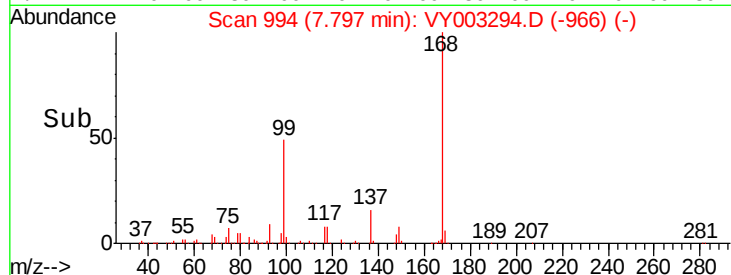
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 2.341 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.09 min

Lab File: VY003294.D

Acq: 22 Jul 2020 17:33

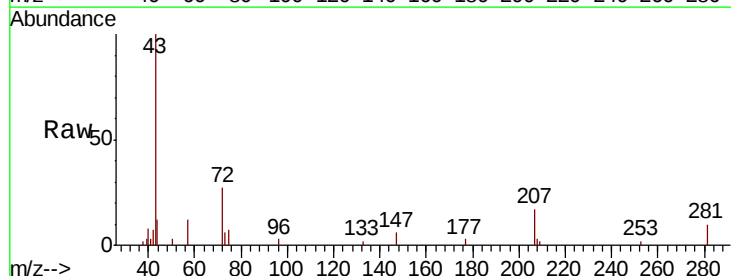
Tgt Ion: 43 Resp: 6778

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

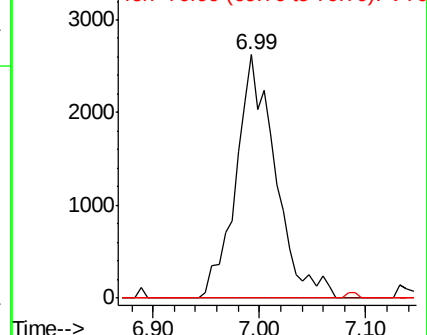
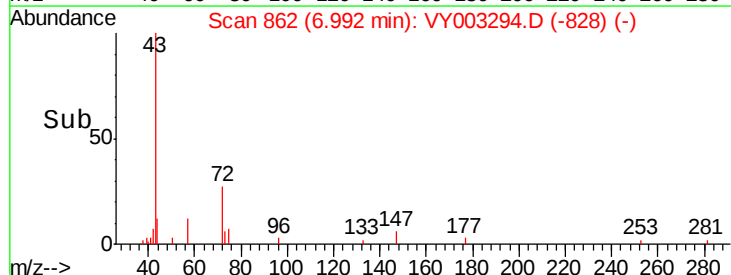
70 0.0 8.6 13.0#

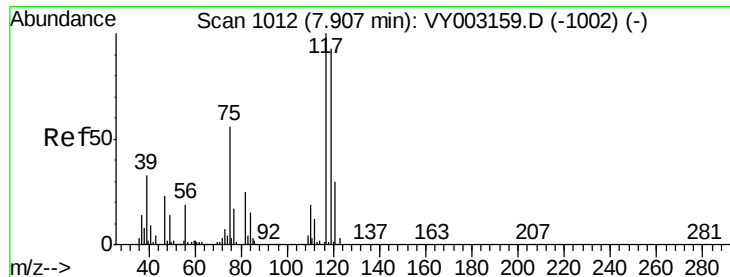


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 6.216 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003294.D

Acq: 22 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampled :

SP-1BRE

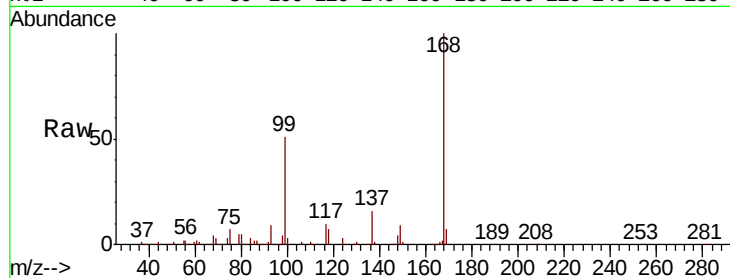
Tot Ion:117 Resp: 34491

Ion Ratio Lower Upper

117 100

119 3.7 74.5 111.7#

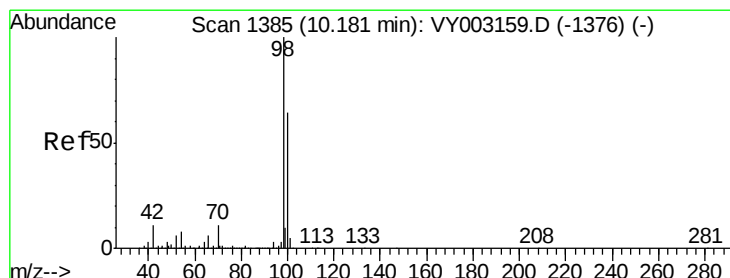
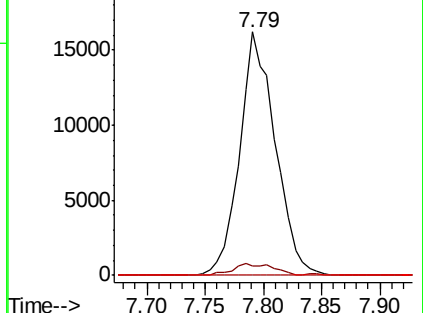
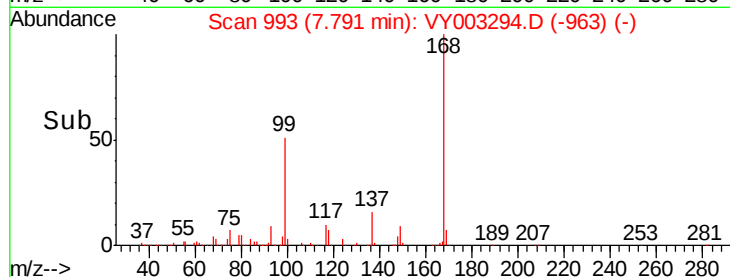
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 56.887 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003294.D

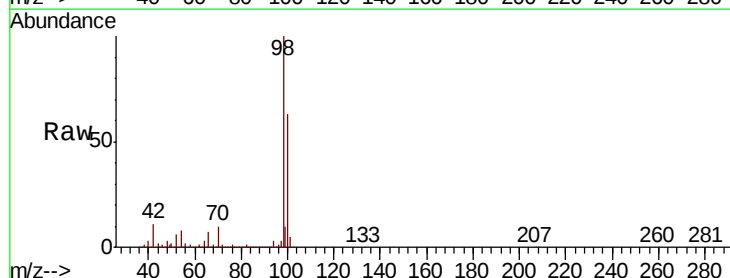
Acq: 22 Jul 2020 17:33

Tgt Ion: 98 Resp: 721842

Ion Ratio Lower Upper

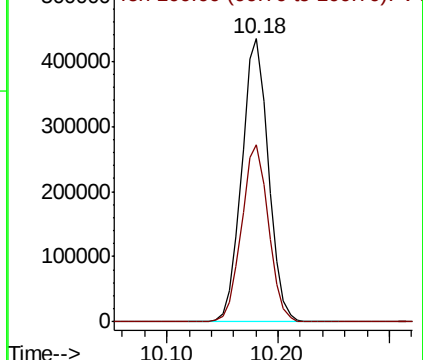
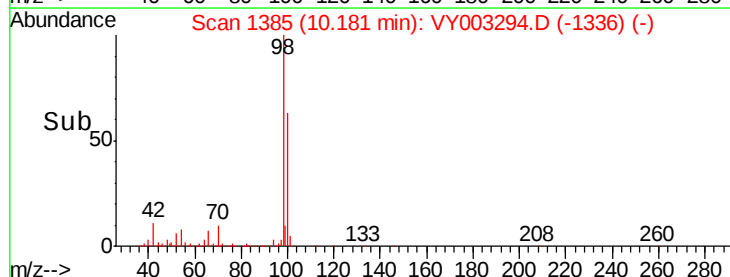
98 100

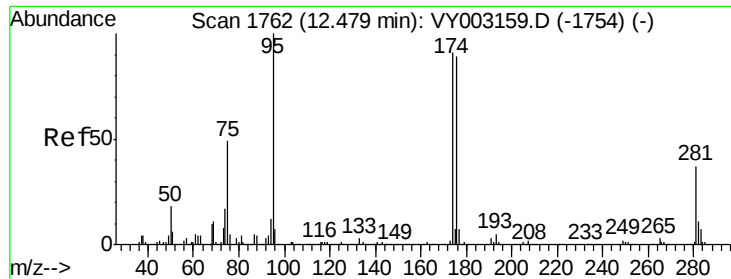
100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

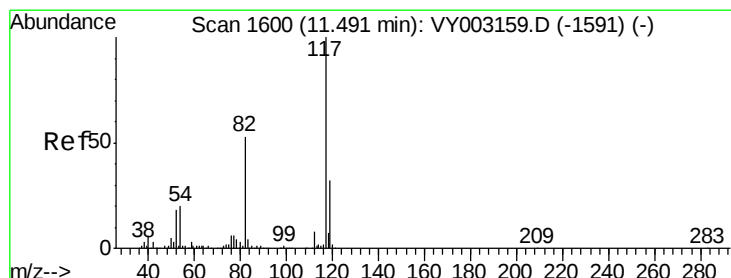
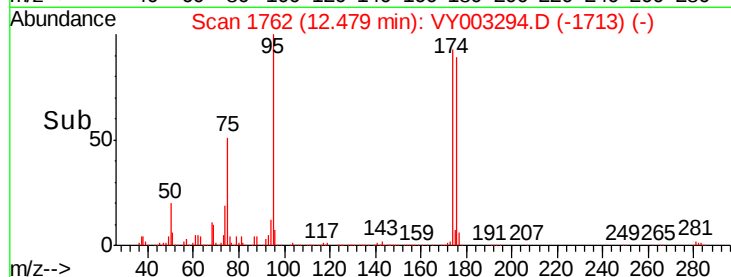
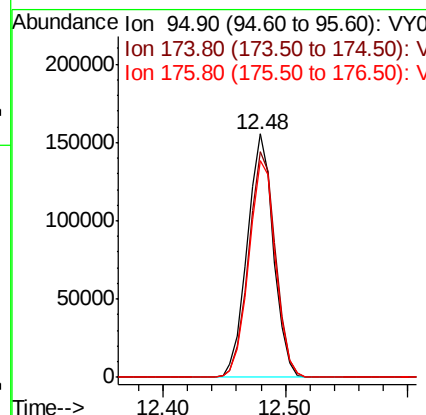
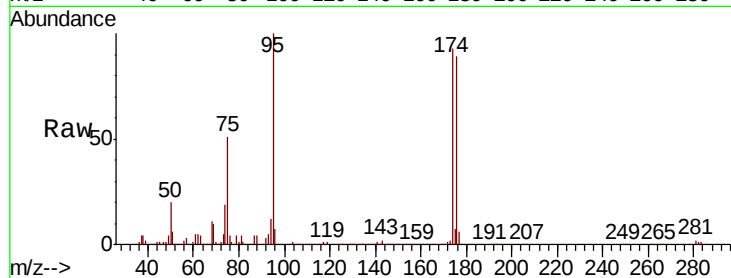




#62
4-Bromofluorobenzene
Concen: 50.411 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003294.D
Acq: 22 Jul 2020 17:33

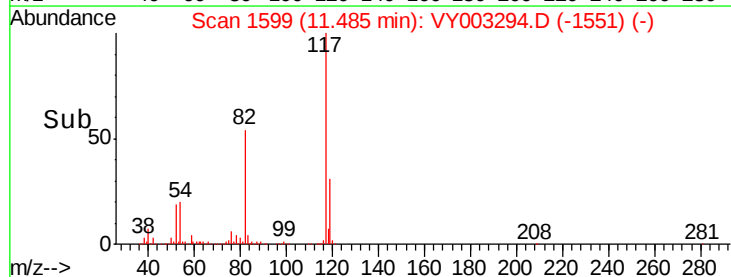
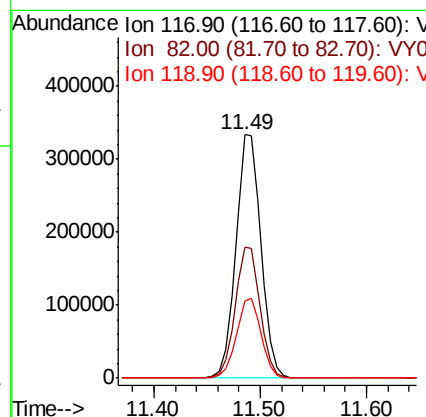
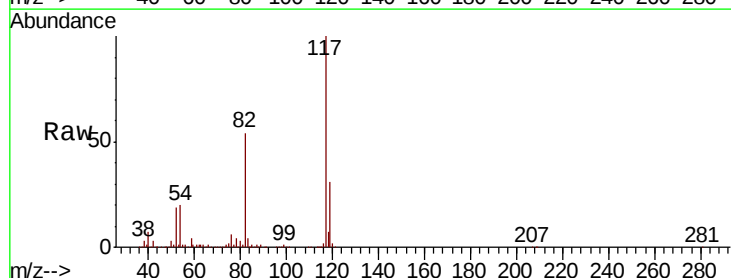
Instrument :
MSVOA_Y
ClientSampleId :
SP-1BRE

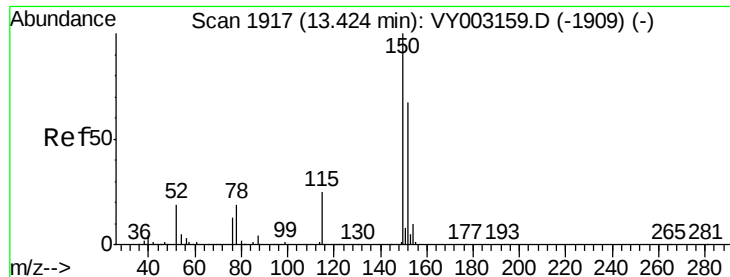
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	190.6
176	91.0	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003294.D
Acq: 22 Jul 2020 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.0	63.0
119	31.5	25.5	38.3



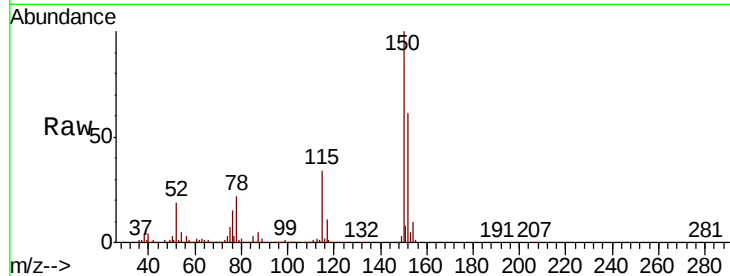


#72

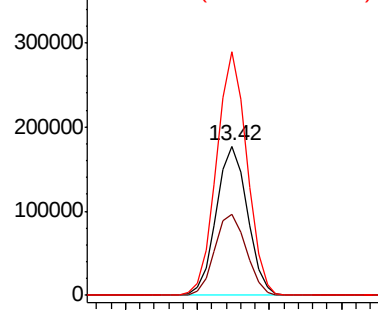
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003294.D
Acq: 22 Jul 2020 17:33

Instrument :
MSVOA_Y
ClientSampleId :
SP-1BRE

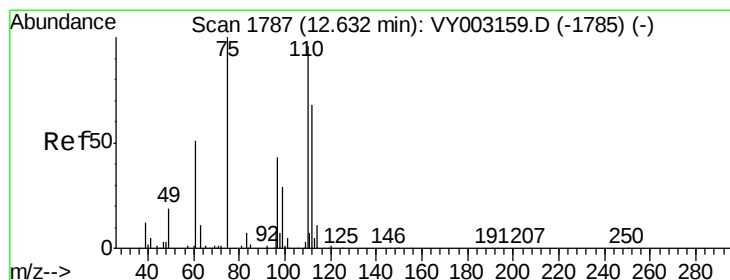
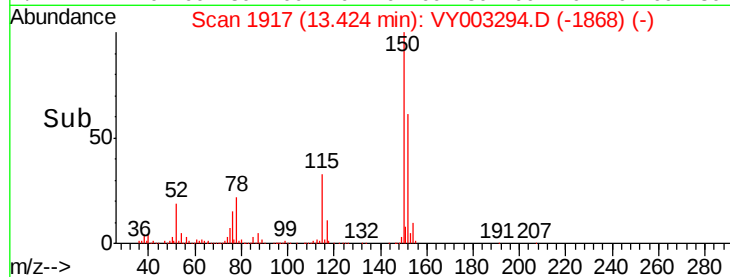
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	26.9	80.7
150	159.5	0.0	338.0



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



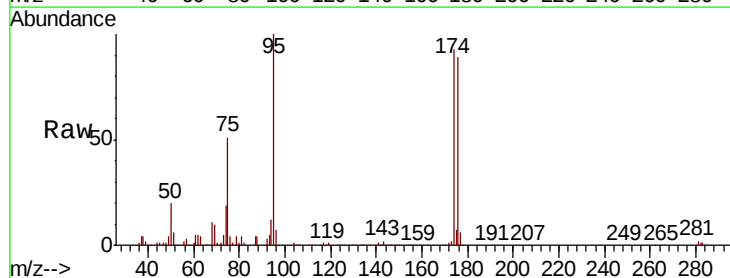
Time-->



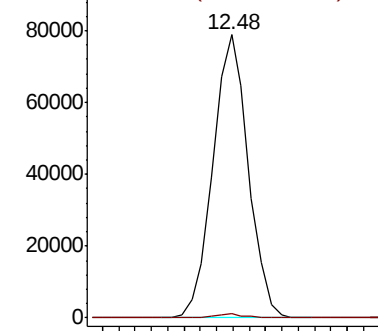
#76

1,2,3-Trichloropropane
Concen: 50.602 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003294.D
Acq: 22 Jul 2020 17:33

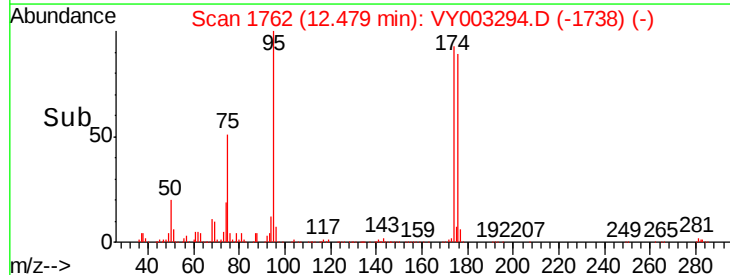
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0

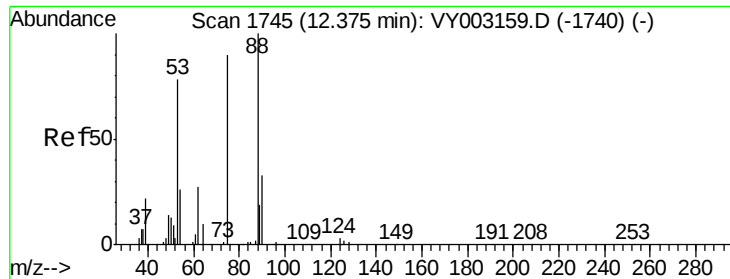


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 98.482 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003294.D

Acq: 22 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

SP-1BRE

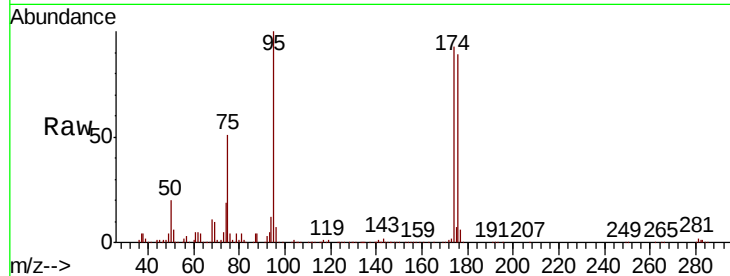
Tot Ion: 75 Resp: 118510

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

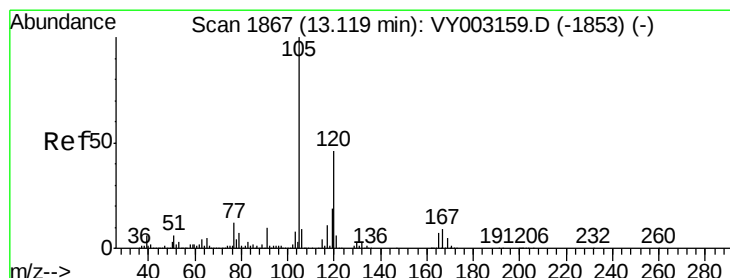
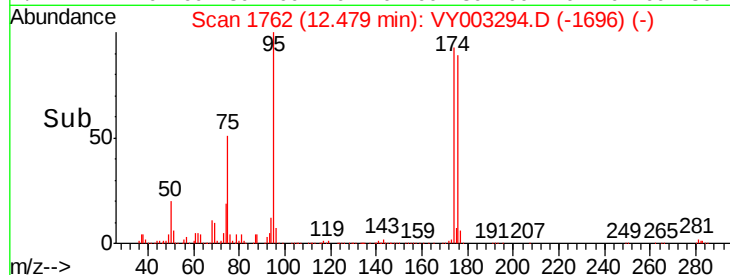
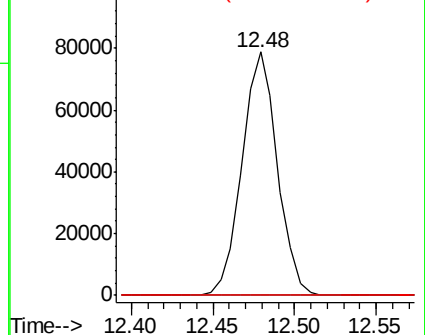
89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#84

1,2,4-Trimethylbenzene

Concen: 1.362 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003294.D

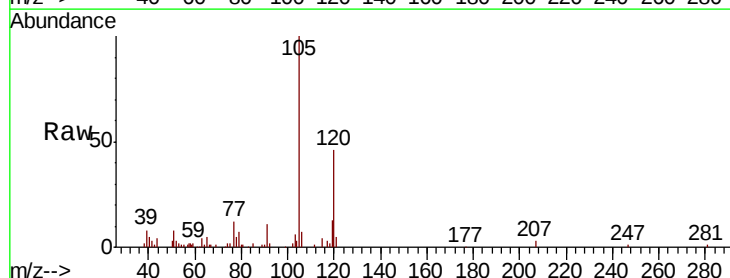
Acq: 22 Jul 2020 17:33

Tgt Ion:105 Resp: 19263

Ion Ratio Lower Upper

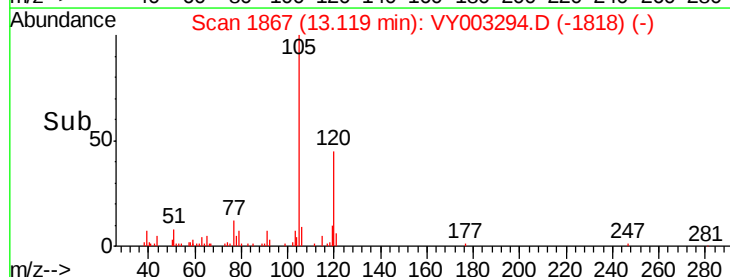
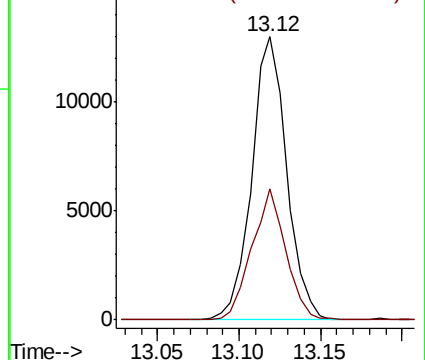
105 100

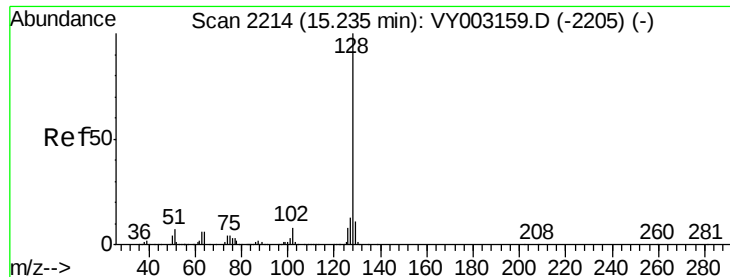
120 44.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

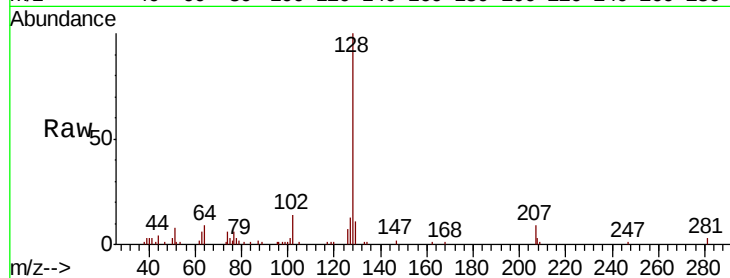




#95
Naphthalene
Concen: 1.921 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003294.D
Acq: 22 Jul 2020 17:33

Instrument :
MSVOA_Y
ClientSampleId :
SP-1BRE

Tot Ion:128 Resp: 16111
Ion Ratio Lower Upper
128 100
127 16.4 10.9 16.3#
129 11.6 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

