

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072120\
 Data File : VY003275.D
 Acq On : 22 Jul 2020 01:38
 Operator : SY/MD
 Sample : L3360-02
 Misc : 6.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1B

Quant Time: Jul 22 02:50:45 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	411667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	651484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	599347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	280436	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	210504	60.58	ug/l	0.00
Spiked Amount			Recovery	=	121.16%	
35) Dibromofluoromethane	7.72	113	100180	26.72	ug/l	0.00
Spiked Amount			Recovery	=	53.44%	
50) Toluene-d8	10.18	98	788461	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
62) 4-Bromofluorobenzene	12.48	95	249247	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

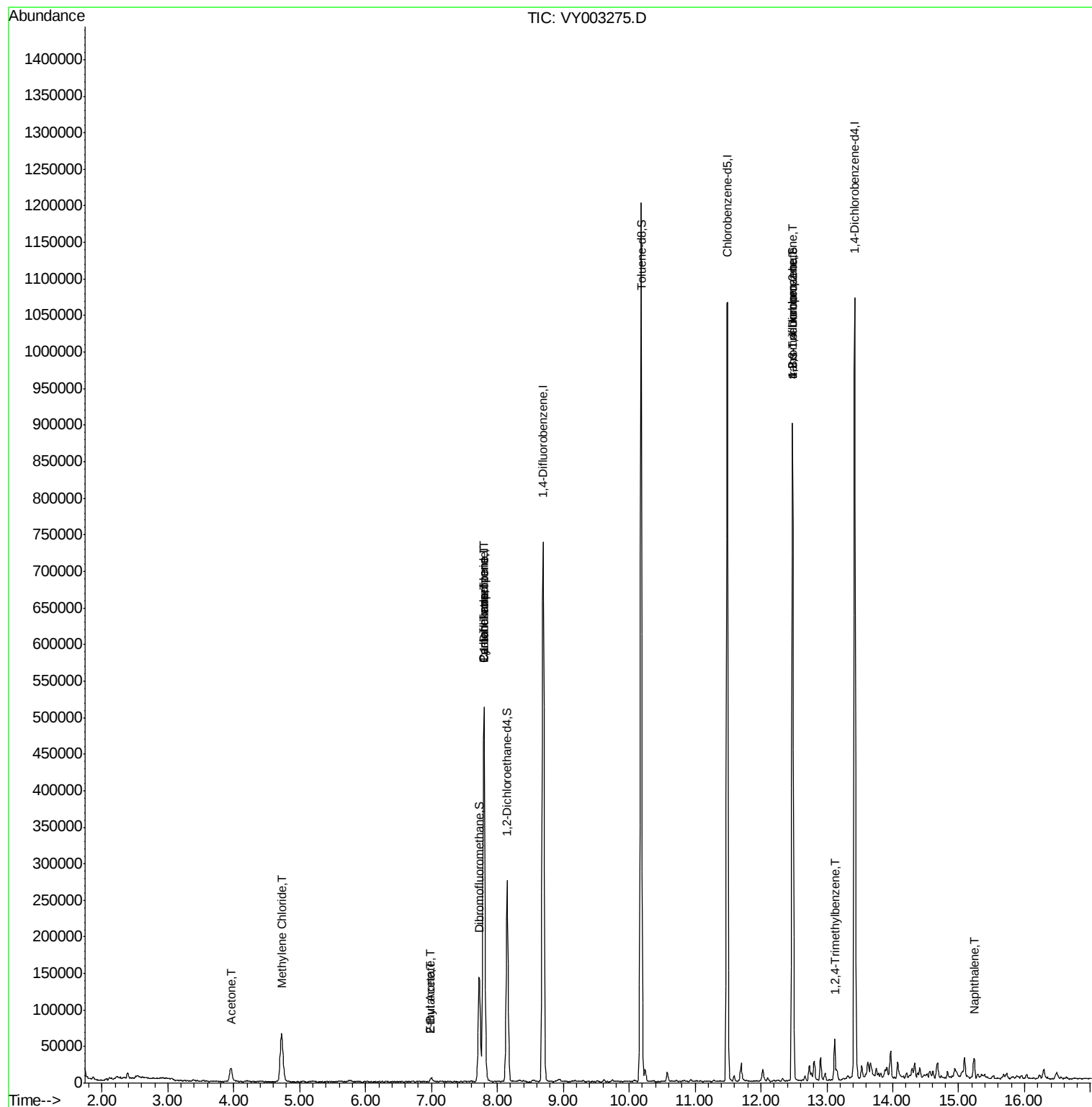
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	32544	41.931	ug/l	100
20) Methylene Chloride	4.73	84	51382	8.609	ug/l	99
25) 2-Butanone	6.99	43	8100	6.356	ug/l #	88
31) Cyclohexane	7.80	56	7665	1.213	ug/l #	8
36) 1,1-Dichloropropene	7.79	75	27843	4.715	ug/l #	50
37) Ethyl Acetate	6.99	43	8100	2.547	ug/l #	67
38) Carbon Tetrachloride	7.80	117	37414	6.138	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	129908	52.333	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	129908	101.850	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	30163	2.013	ug/l	100
95) Naphthalene	15.23	128	22557	2.538	ug/l	98

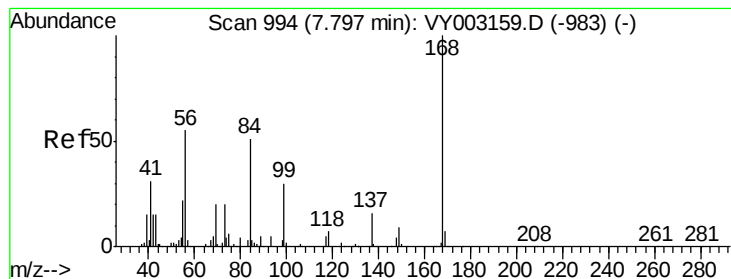
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003275.D

Acq: 22 Jul 2020 01:38

Instrument :

MSVOA_Y

ClientSampleId :

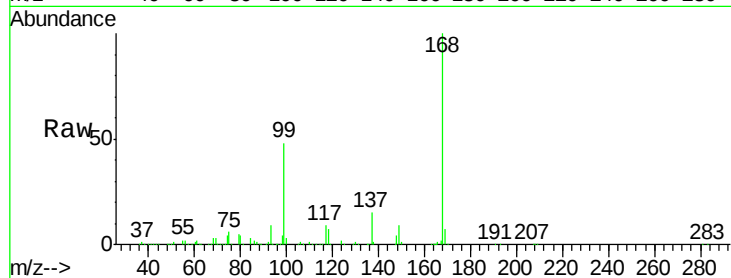
SP-1B

Tot Ion:168 Resp: 411667

Ion Ratio Lower Upper

168 100

99 48.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003275.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003275.D (-945) (-)

7.80

200000

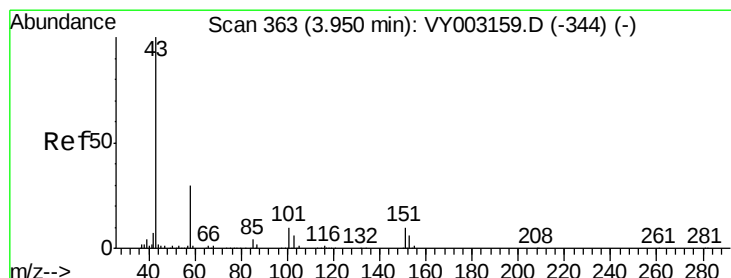
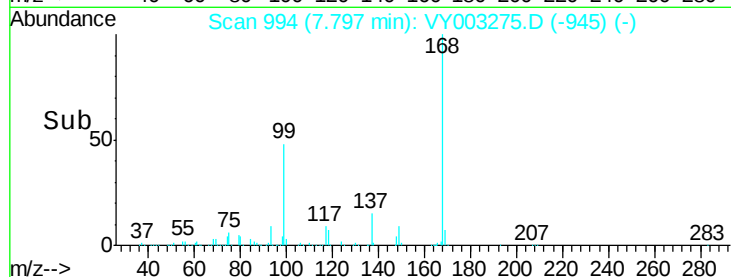
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 41.931 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003275.D

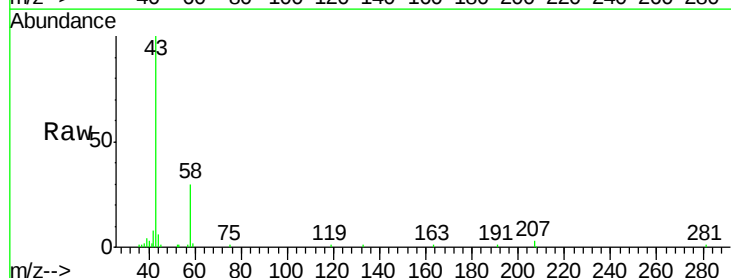
Acq: 22 Jul 2020 01:38

Tgt Ion: 43 Resp: 32544

Ion Ratio Lower Upper

43 100

58 29.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003275.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003275.D (-314) (-)

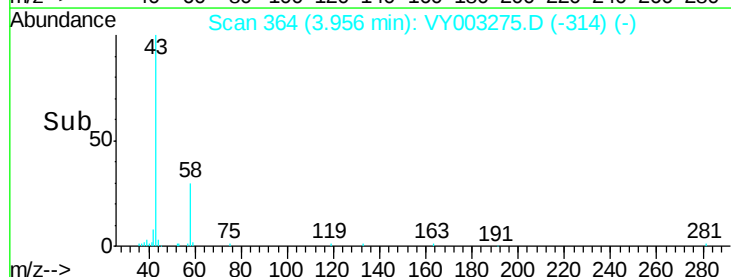
3.96

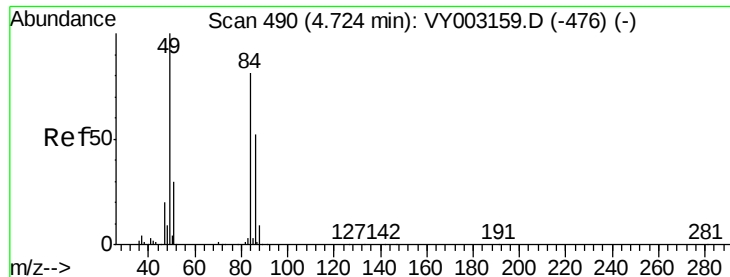
10000

5000

0

Time-->

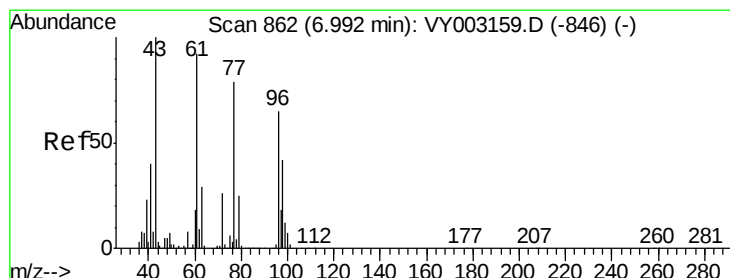
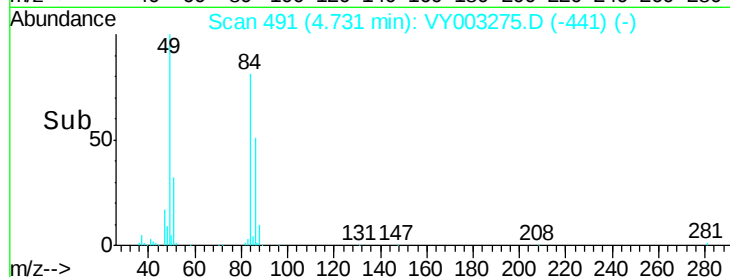
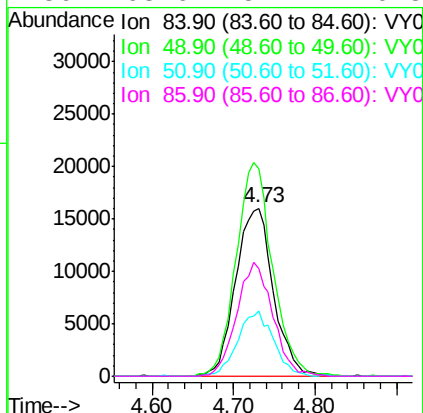
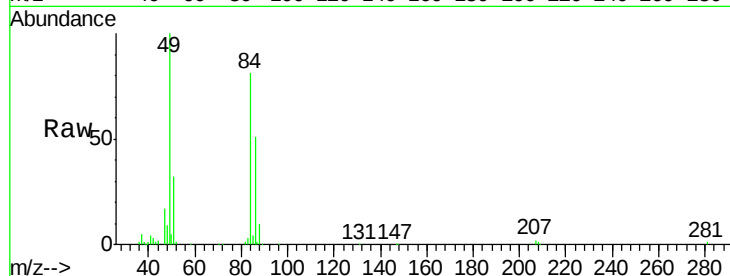




#20
Methvlene Chloride
Concen: 8.609 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003275.D
Acq: 22 Jul 2020 01:38

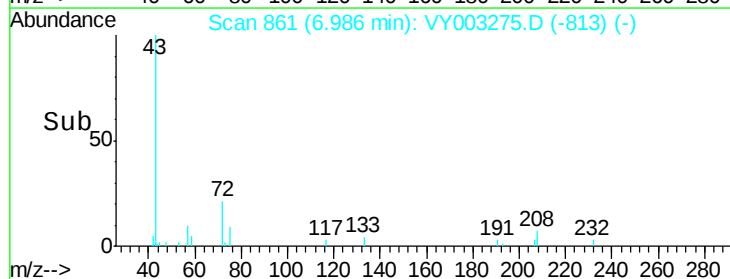
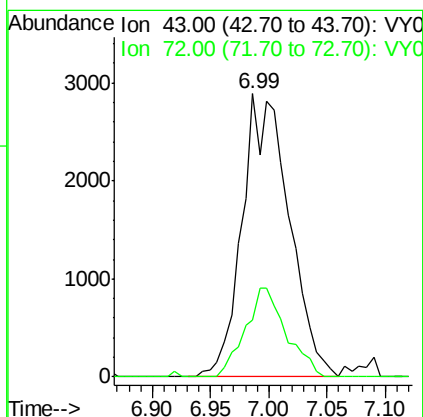
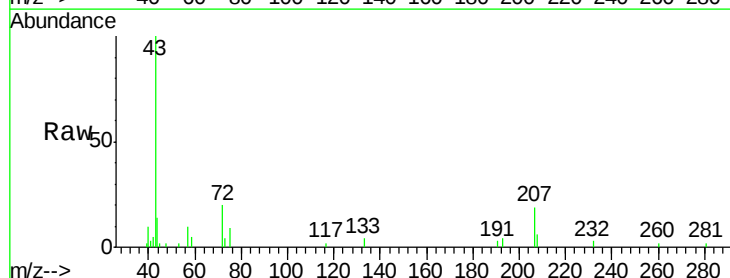
Instrument :
MSVOA_Y
ClientSampleId :
SP-1B

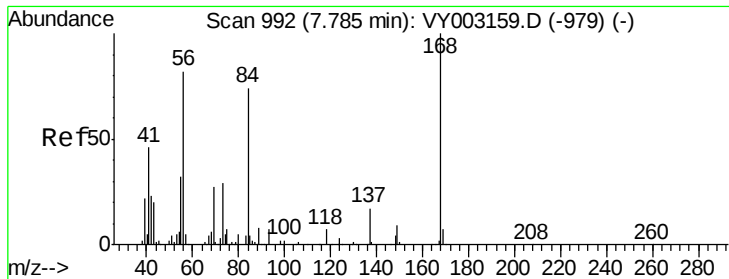
Tot Ion:	84	Resp:	51382
Ion	Ratio	Lower	Upper
84	100		
49	123.7	98.2	147.4
51	39.0	29.8	44.6
86	63.6	51.2	76.8



#25
2-Butanone
Concen: 6.356 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY003275.D
Acq: 22 Jul 2020 01:38

Tgt Ion:	43	Resp:	8100
Ion	Ratio	Lower	Upper
43	100		
72	20.2	20.9	31.3#





#31

Cyclohexane

Concen: 1.213 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003275.D

Acq: 22 Jul 2020 01:38

Instrument :

MSVOA_Y

ClientSampled :

SP-1B

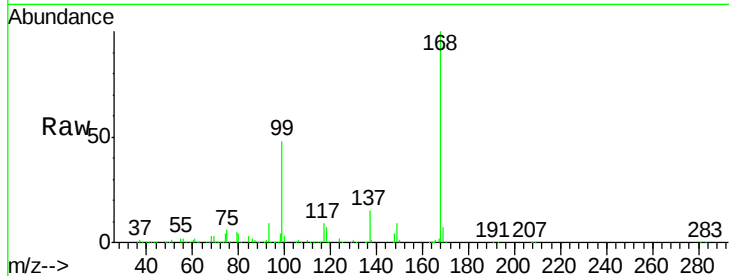
Tot Ion: 56 Resp: 7665

Ion Ratio Lower Upper

56 100

69 134.8 26.7 40.1#

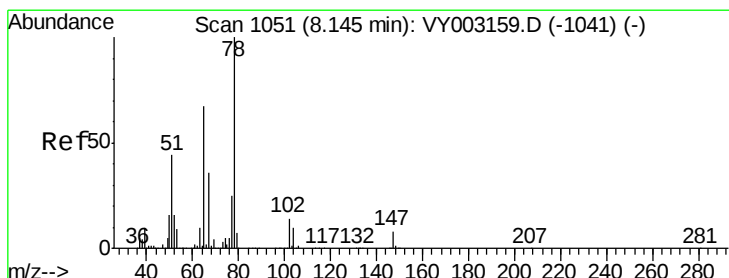
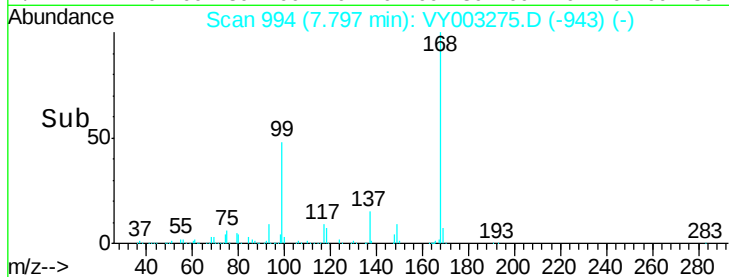
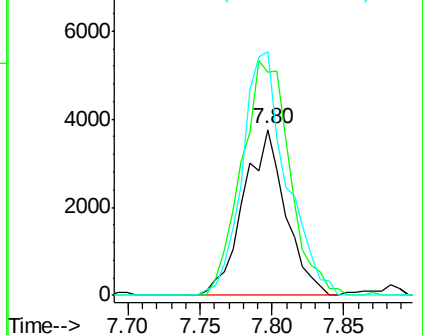
84 146.9 72.3 108.5#



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: 60.583 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003275.D

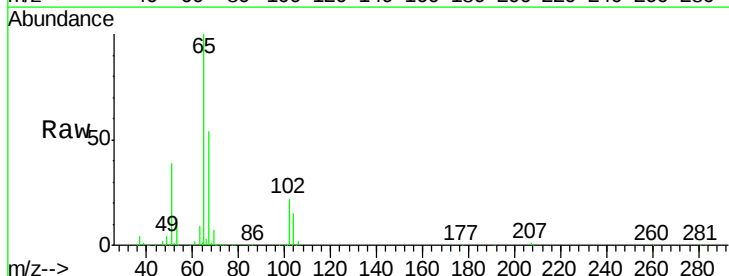
Acq: 22 Jul 2020 01:38

Tgt Ion: 65 Resp: 210504

Ion Ratio Lower Upper

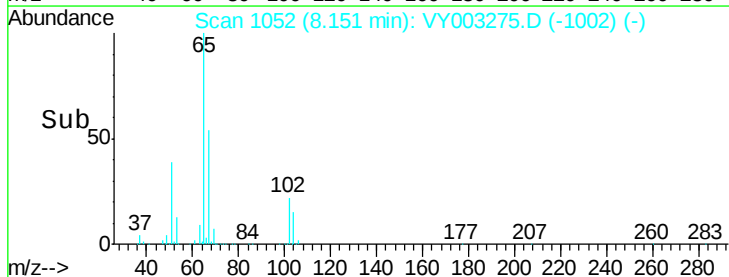
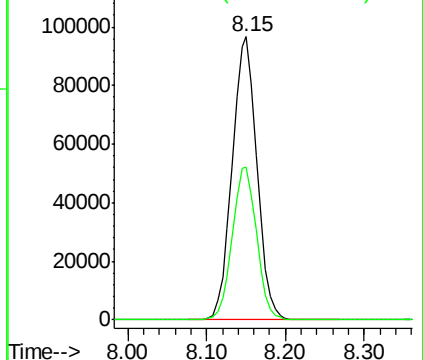
65 100

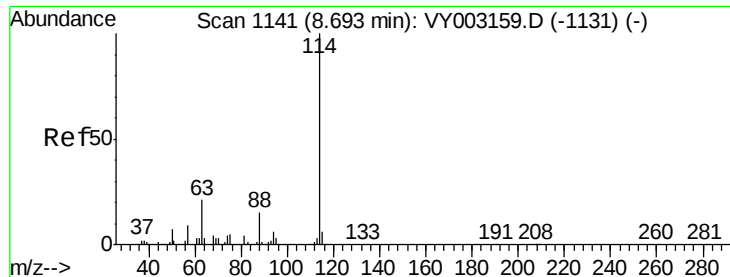
67 53.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

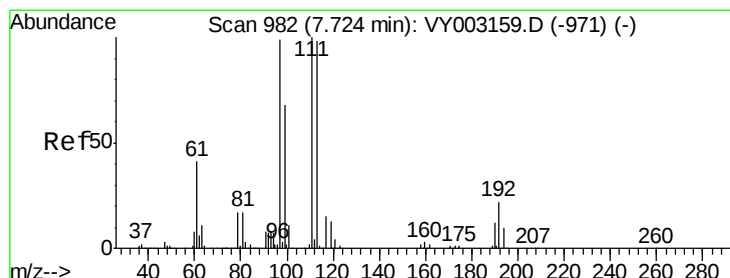
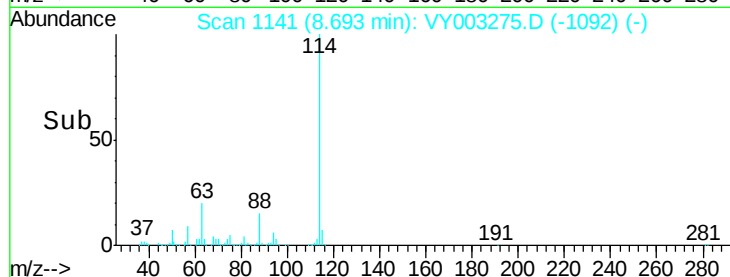
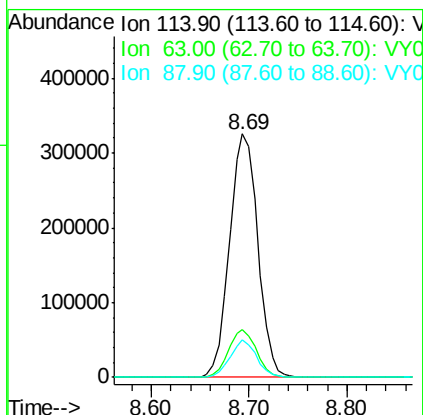
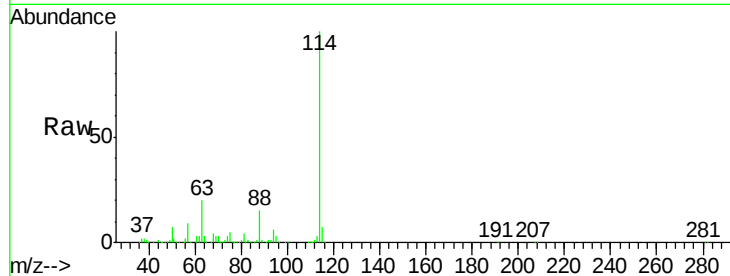




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003275.D
 Acq: 22 Jul 2020 01:38

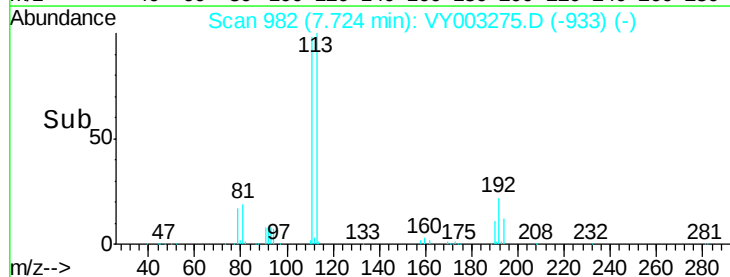
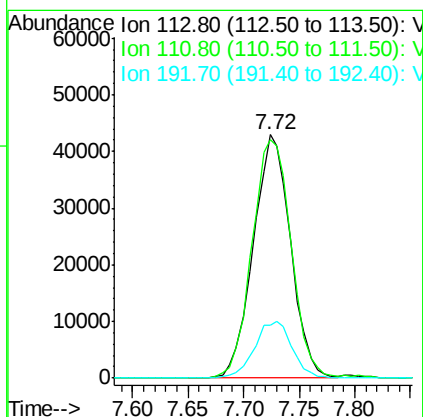
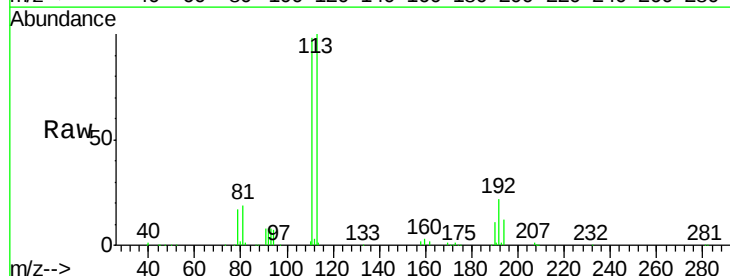
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1B

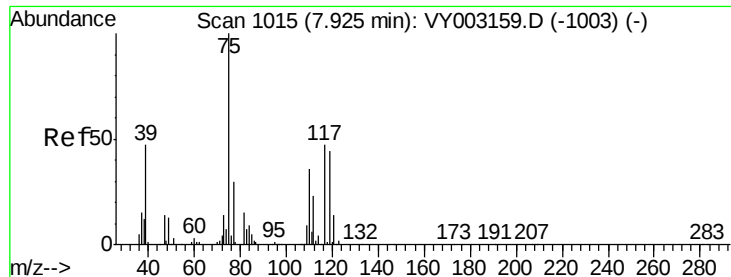
Tot Ion:114 Resp: 651484
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.2
 88 15.3 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 26.721 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003275.D
 Acq: 22 Jul 2020 01:38

Tgt Ion:113 Resp: 100180
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.1 123.1
 192 23.2 18.8 28.2





#36

1,1-Dichloropropene

Concen: 4.715 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003275.D

Acq: 22 Jul 2020 01:38

Instrument :

MSVOA_Y

ClientSampleId :

SP-1B

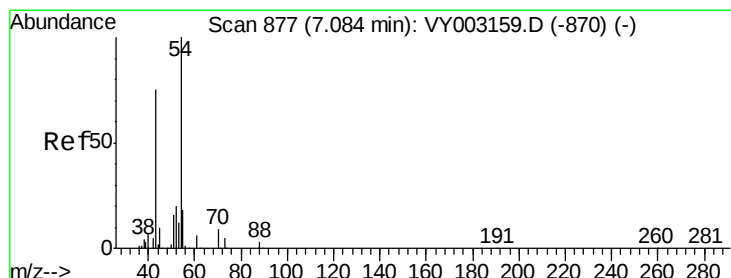
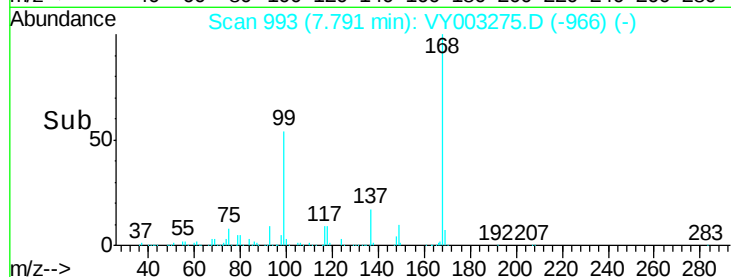
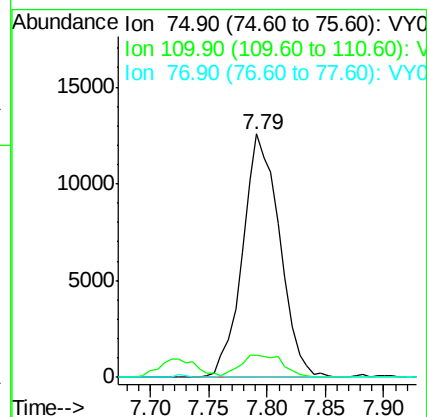
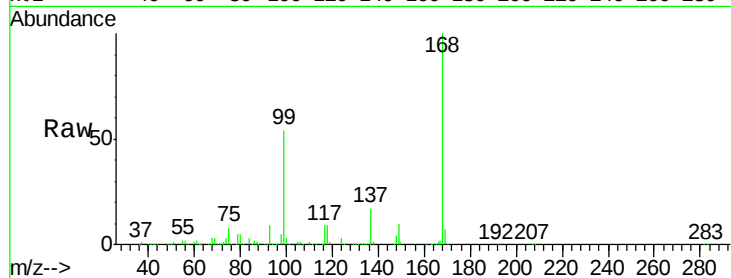
Tot Ion: 75 Resp: 27843

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 2.547 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.10 min

Lab File: VY003275.D

Acq: 22 Jul 2020 01:38

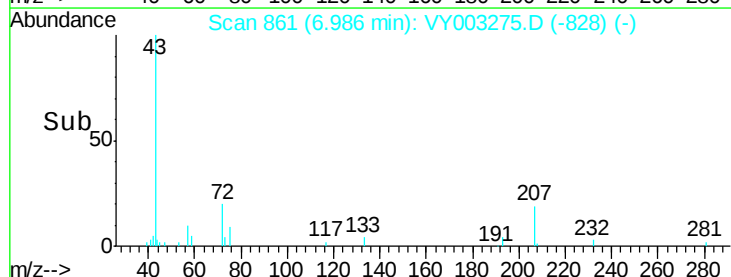
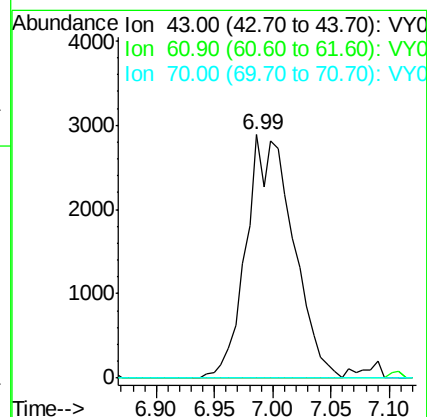
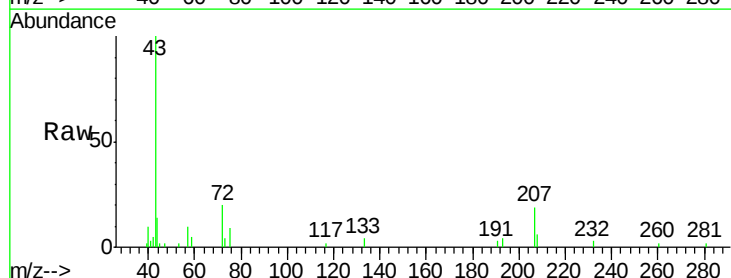
Tgt Ion: 43 Resp: 8100

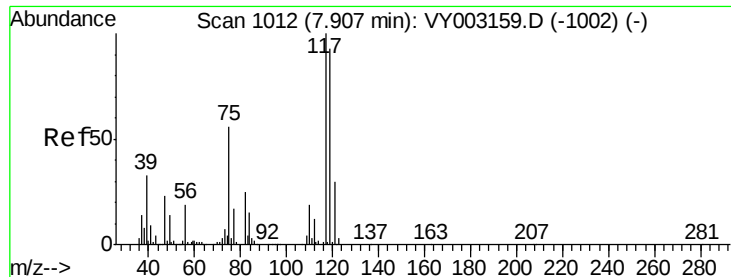
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 6.138 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003275.D

Acq: 22 Jul 2020 01:38

Instrument :

MSVOA_Y

ClientSampleId :

SP-1B

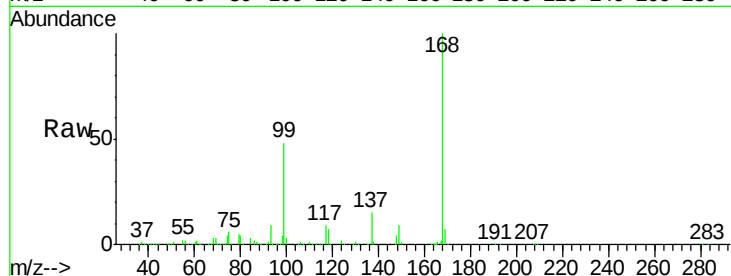
Tot Ion:117 Resp: 37414

Ion Ratio Lower Upper

117 100

119 4.3 74.5 111.7#

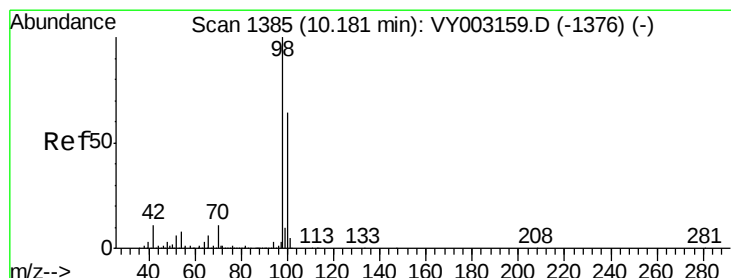
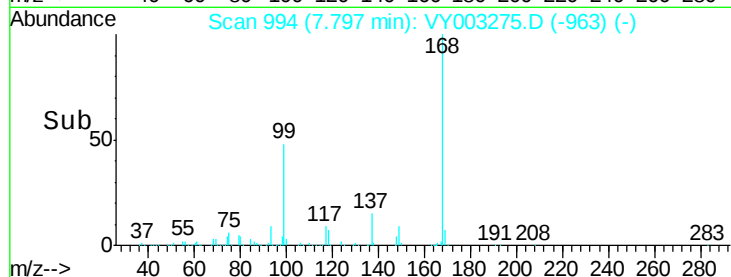
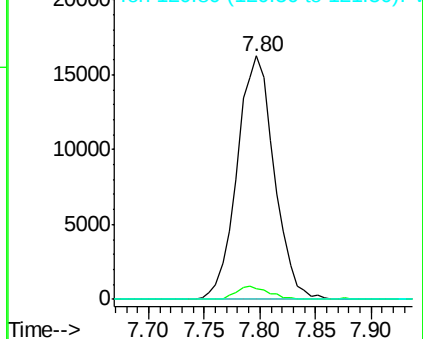
121 0.0 24.2 36.2#



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: 56.566 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003275.D

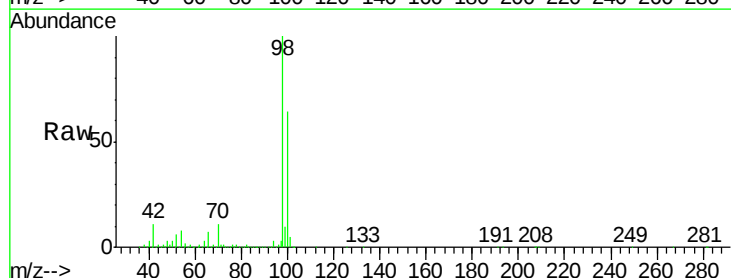
Acq: 22 Jul 2020 01:38

Tgt Ion: 98 Resp: 788461

Ion Ratio Lower Upper

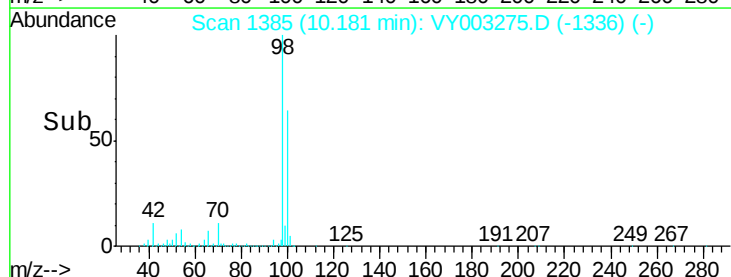
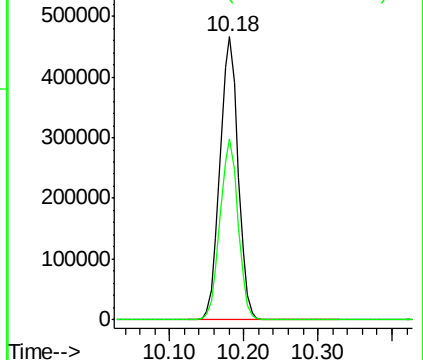
98 100

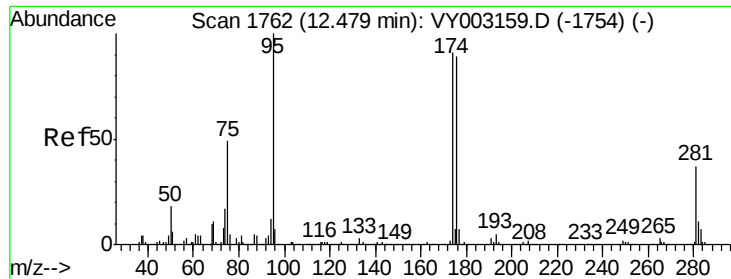
100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

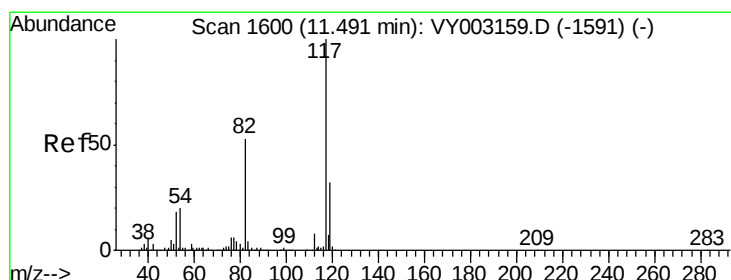
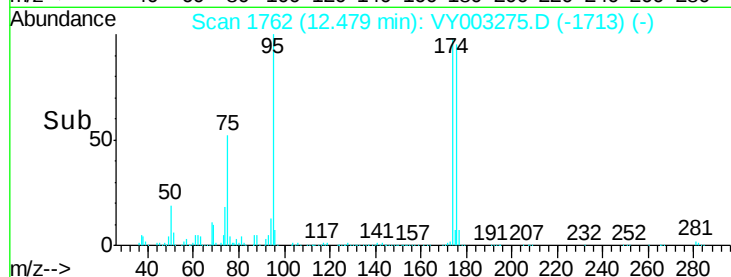
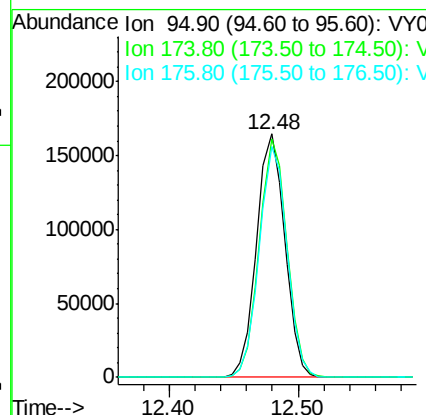
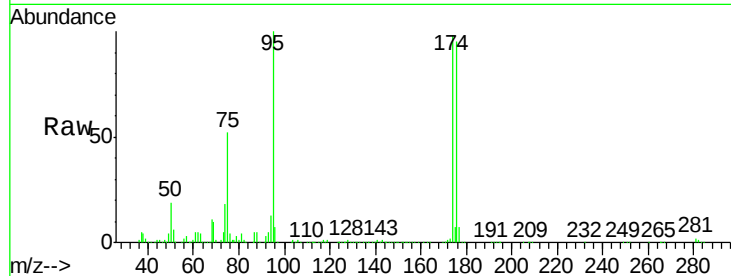




#62
4-Bromofluorobenzene
Concen: 49.498 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003275.D
Acq: 22 Jul 2020 01:38

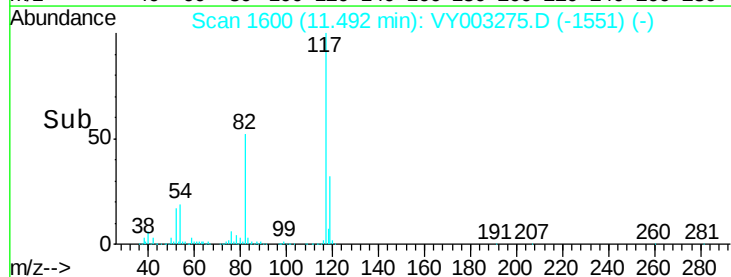
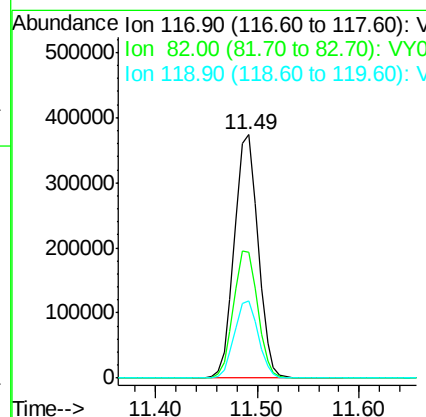
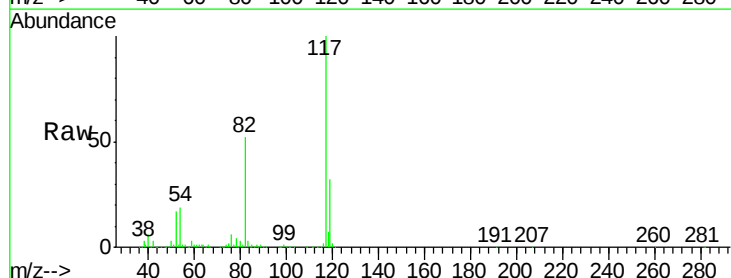
Instrument :
MSVOA_Y
ClientSampleId :
SP-1B

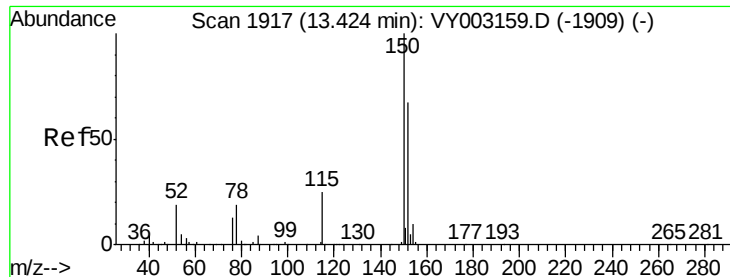
Tot Ion: 95 Resp: 249247
Ion Ratio Lower Upper
95 100
174 95.9 0.0 190.6
176 93.0 0.0 186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003275.D
Acq: 22 Jul 2020 01:38

Tgt Ion: 117 Resp: 599347
Ion Ratio Lower Upper
117 100
82 51.6 42.0 63.0
119 31.7 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: VY003275.D

Acq: 22 Jul 2020 01:38

Instrument :

MSVOA_Y

ClientSampleId :

SP-1B

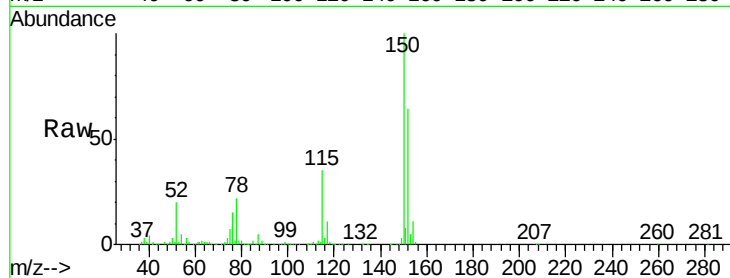
Tot Ion:152 Resp: 280436

Ion Ratio Lower Upper

152 100

115 54.2 26.9 80.7

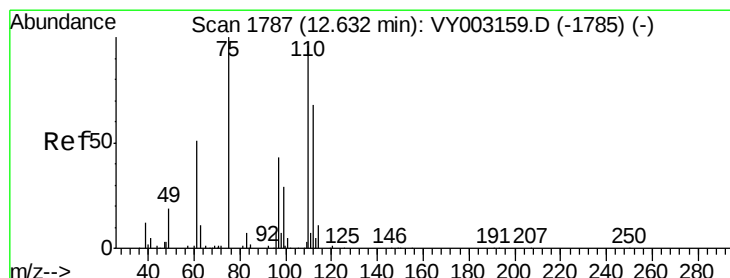
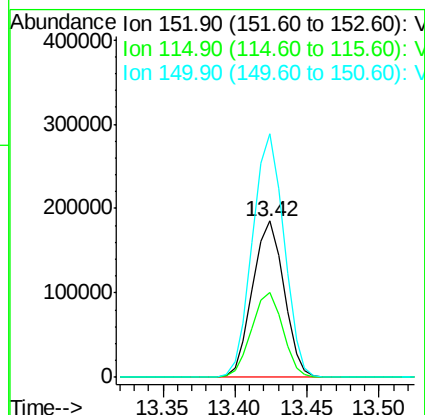
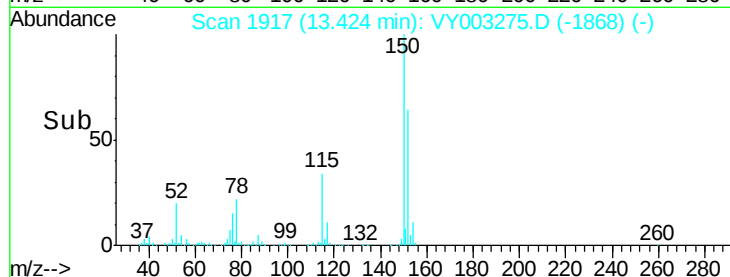
150 155.7 0.0 338.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 52.333 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003275.D

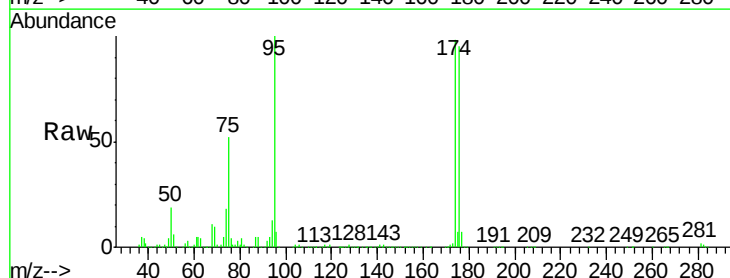
Acq: 22 Jul 2020 01:38

Tgt Ion: 75 Resp: 129908

Ion Ratio Lower Upper

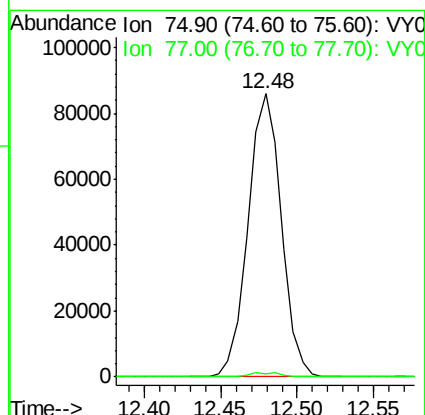
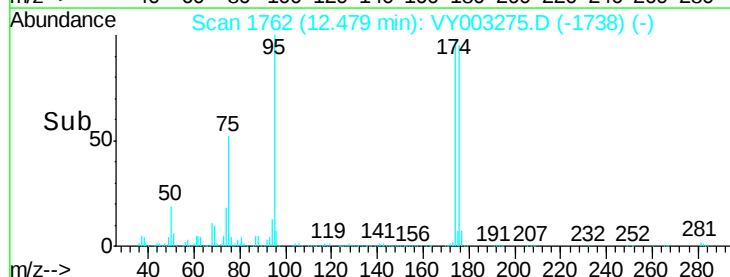
75 100

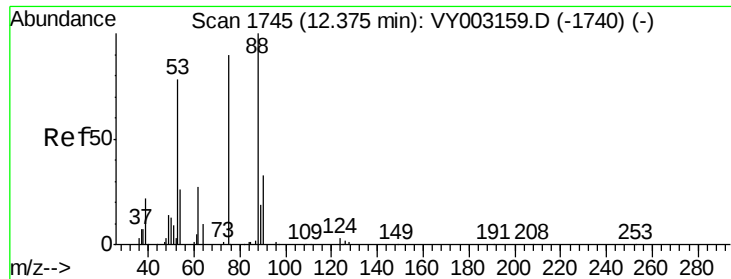
77 1.7 0.0 0.0#



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: 101.850 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003275.D

Acq: 22 Jul 2020 01:38

Instrument :

MSVOA_Y

ClientSampleId :

SP-1B

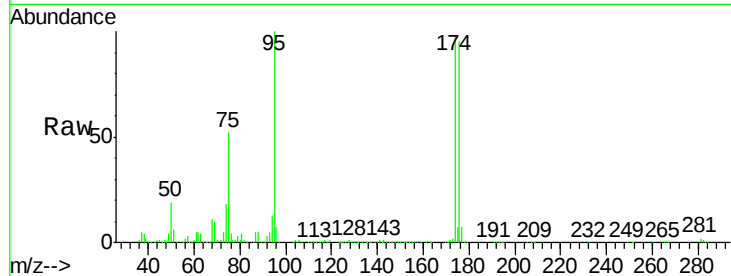
Tot Ion: 75 Resp: 129908

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

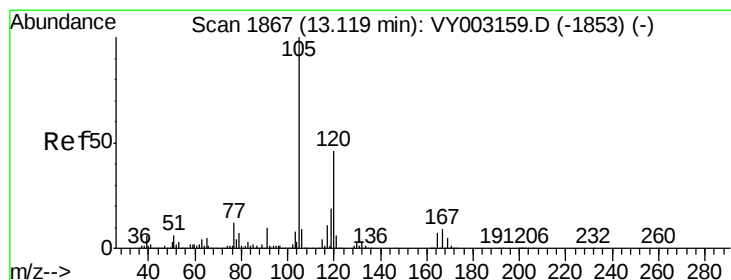
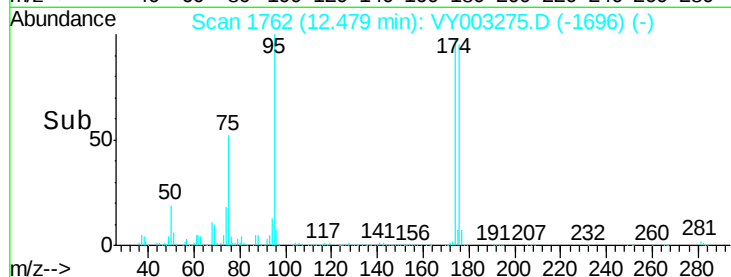
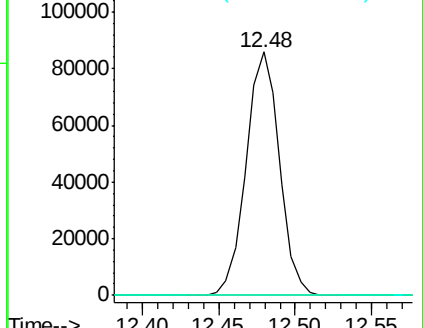
89 0.1 37.3 55.9#



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: 2.013 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003275.D

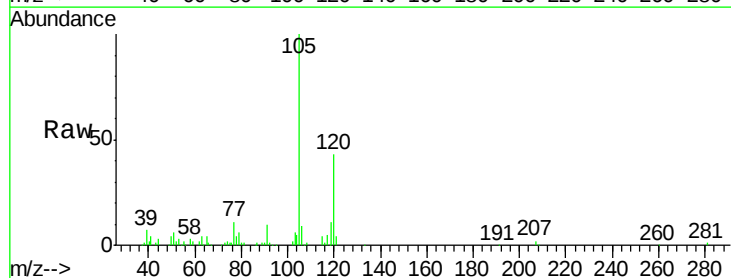
Acq: 22 Jul 2020 01:38

Tgt Ion:105 Resp: 30163

Ion Ratio Lower Upper

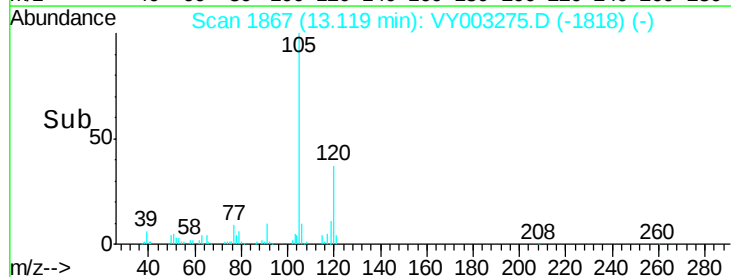
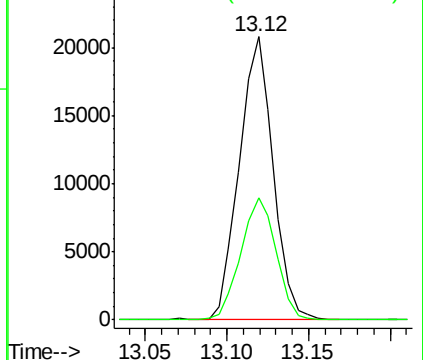
105 100

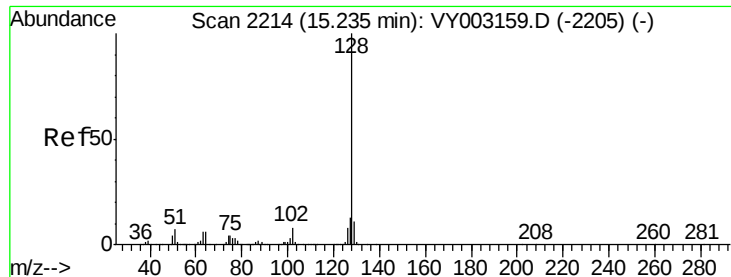
120 44.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

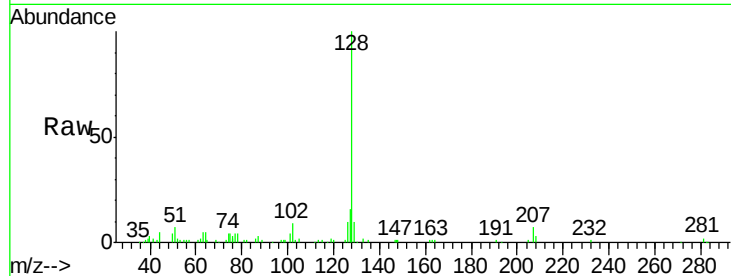




#95
Naphthalene
Concen: 2.538 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003275.D
Acq: 22 Jul 2020 01:38

Instrument :
MSVOA_Y
ClientSampleId :
SP-1B

Tot Ion:128	Resp:	22557
Ion	Ratio	Lower Upper
128	100	
127	14.0	10.9 16.3
129	12.3	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

