

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002543.D
 Acq On : 04 May 2020 16:03
 Operator : SY/MD
 Sample : L2443-03
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB180-GW-708-710

Quant Time: May 05 07:07:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

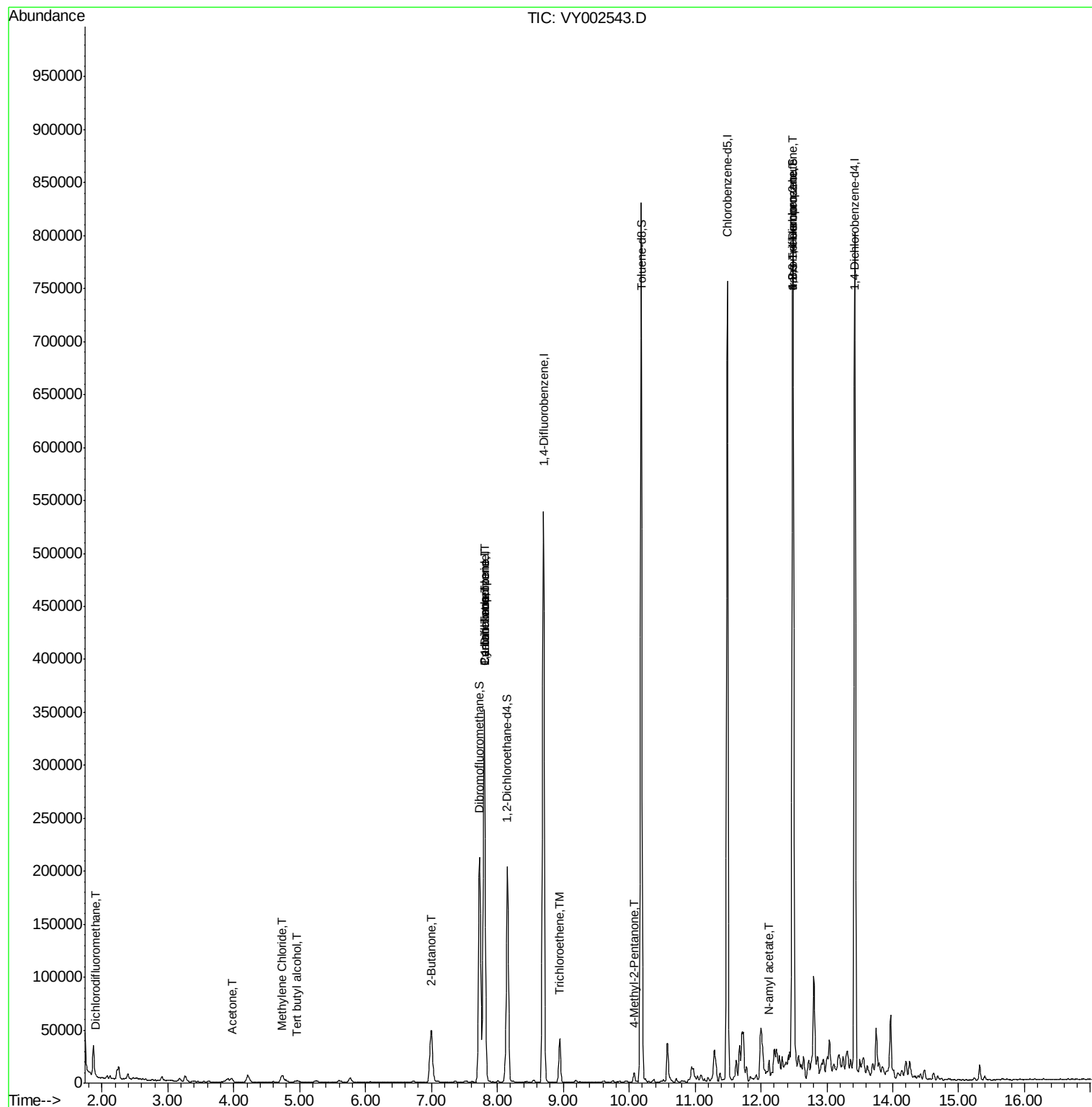
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	293171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	479031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	435622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	214306	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	154878	62.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	125.66%	
35) Dibromofluoromethane	7.73	113	150322	54.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.74%	
50) Toluene-d8	10.18	98	561510	52.48	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.48	95	189546	52.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	423	1.953	ug/l #	59
11) Tert butyl alcohol	4.96	59	1275	5.027	ug/l	98
16) Acetone	3.96	43	6142	12.073	ug/l	99
20) Methylene Chloride	4.73	84	4926	1.732	ug/l	96
25) 2-Butanone	7.00	43	3412	4.097	ug/l	95
31) Cyclohexane	7.80	56	5175	1.168	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	18255	4.546	ug/l #	49
38) Carbon Tetrachloride	7.80	117	26591	6.065	ug/l #	16
44) Trichloroethene	8.95	130	15444	4.261	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	6016	3.017	ug/l	97
74) N-amyl acetate	12.12	43	3923	1.174	ug/l #	51
76) 1,2,3-Trichloropropane	12.48	75	93617	49.156	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93617	98.568	ug/l #	16

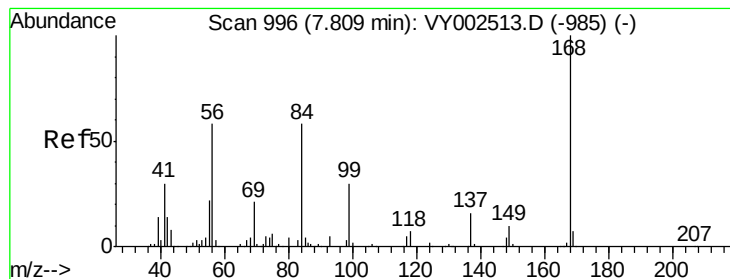
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002543.D

Acq: 04 May 2020 16:03

Instrument :

MSVOA_Y

ClientSampleId :

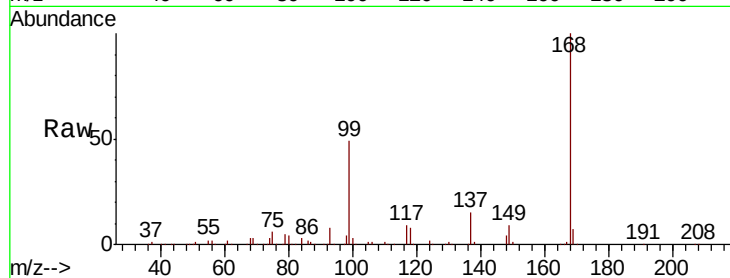
BP-VPB180-GW-708-710

Tot Ion:168 Resp: 293171

Ion Ratio Lower Upper

168 100

99 48.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002543.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002543.D (-947) (-)

7.80

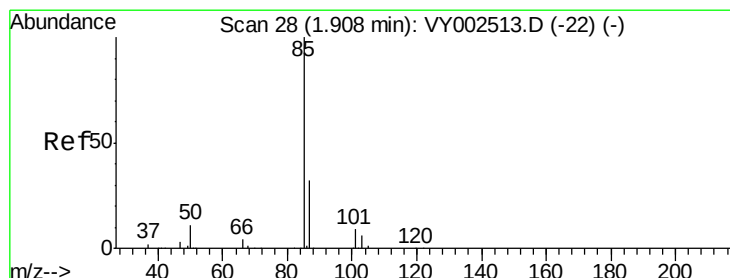
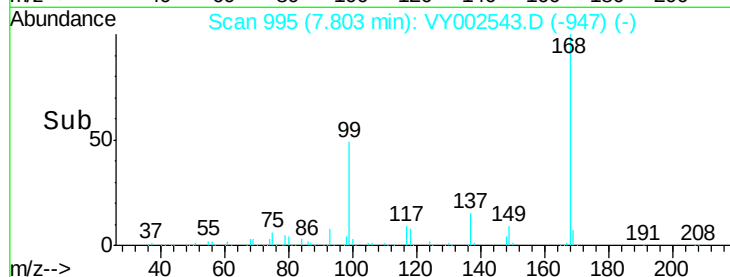
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.953 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002543.D

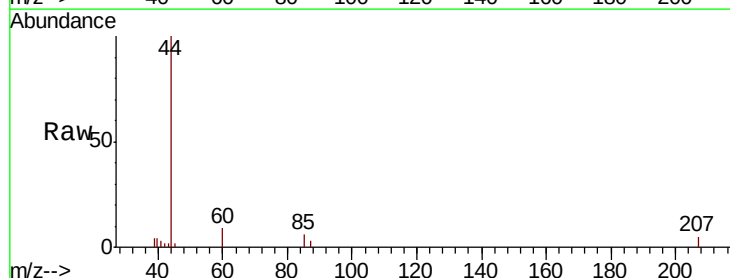
Acq: 04 May 2020 16:03

Tgt Ion: 85 Resp: 423

Ion Ratio Lower Upper

85 100

87 54.6 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002543.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002543.D (-1) (-)

1.91

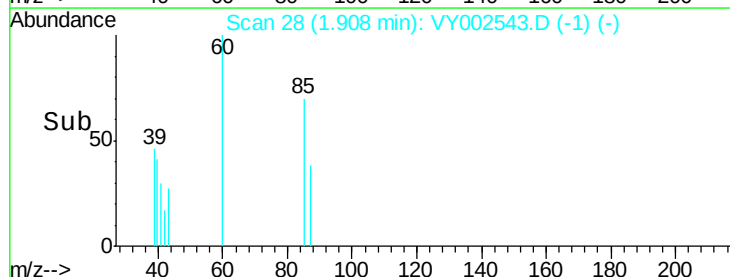
300

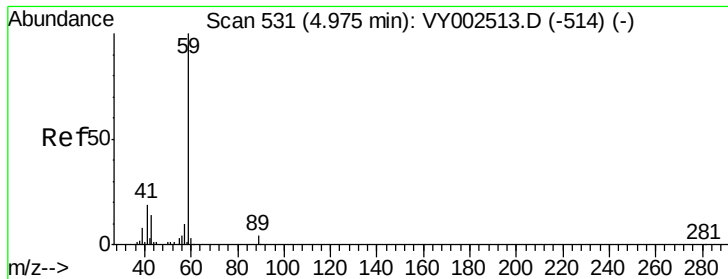
200

100

0

Time-->



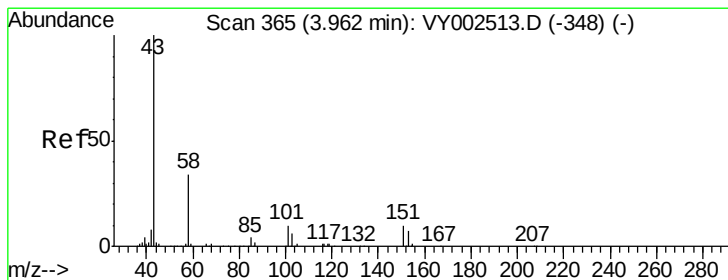
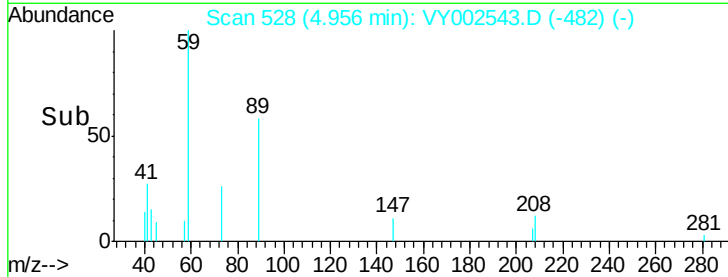
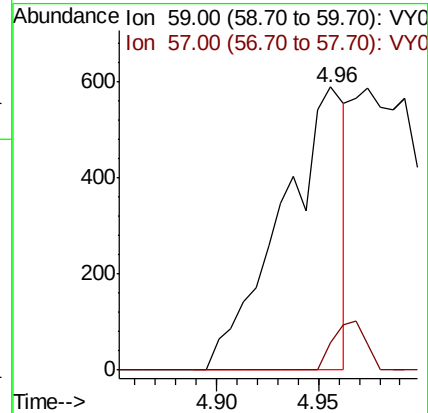
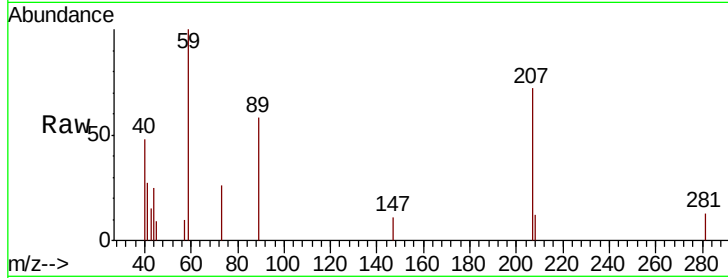


#11

Tert butyl alcohol
 Concen: 5.027 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB180-GW-708-710

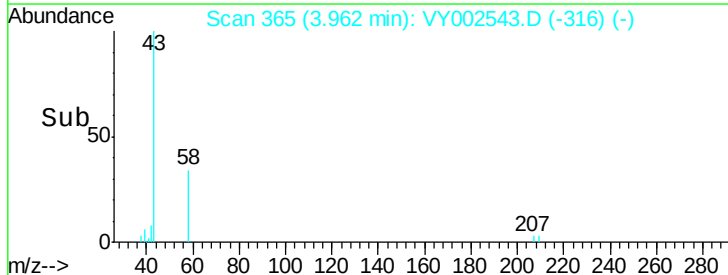
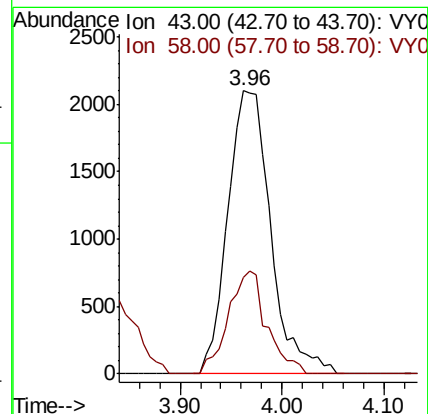
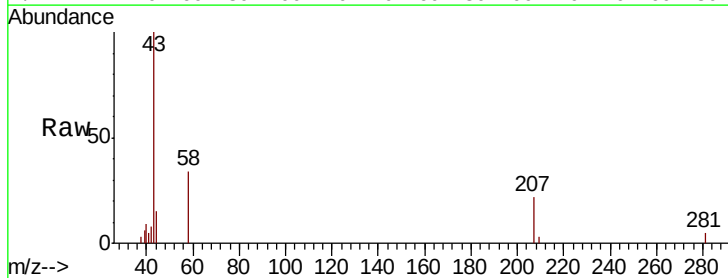
Tot Ion: 59 Resp: 1275
 Ion Ratio Lower Upper
 59 100
 57 8.8 7.8 11.6

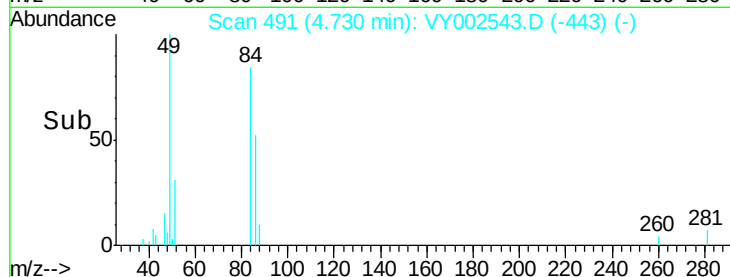
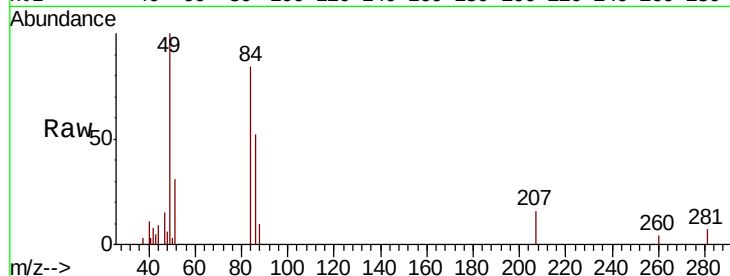
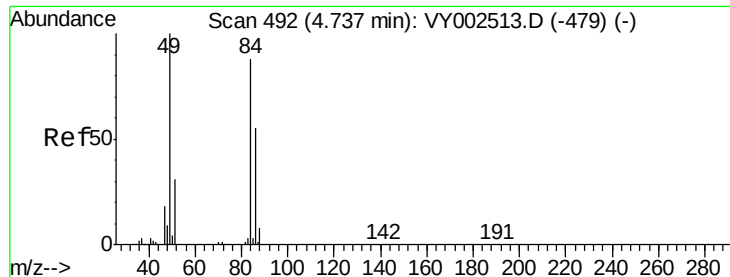


#16

Acetone
 Concen: 12.073 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

Tgt Ion: 43 Resp: 6142
 Ion Ratio Lower Upper
 43 100
 58 34.0 26.9 40.3

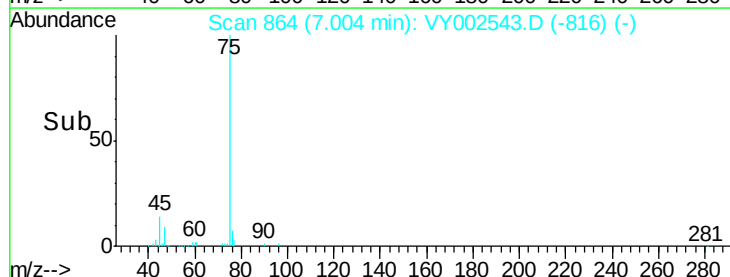
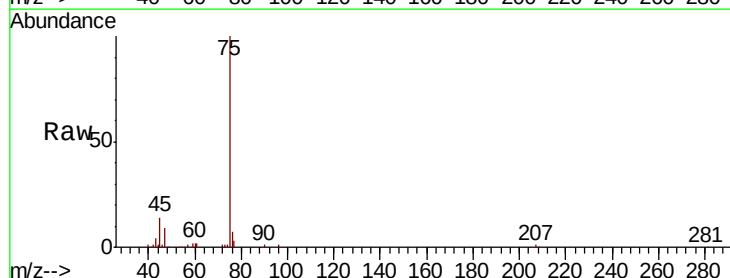
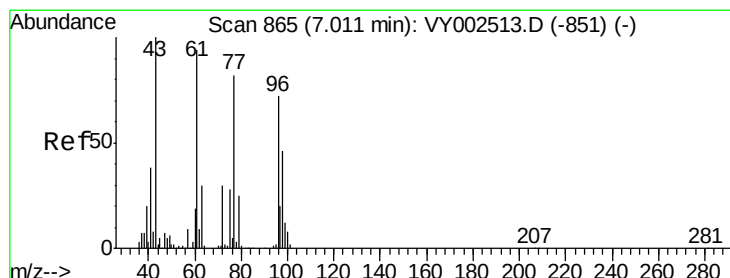
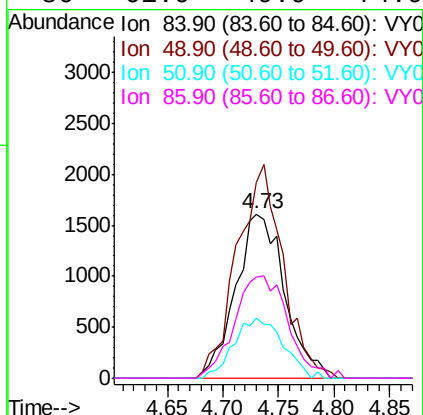




#20
Methylene Chloride
Concen: 1.732 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002543.D
Acq: 04 May 2020 16:03

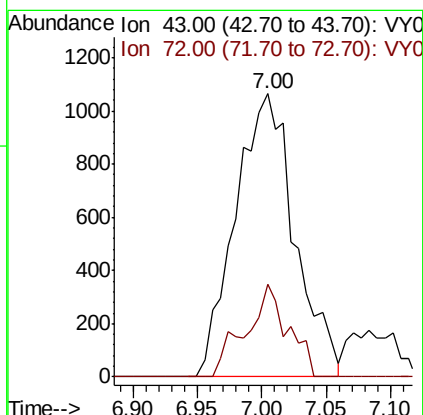
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB180-GW-708-710

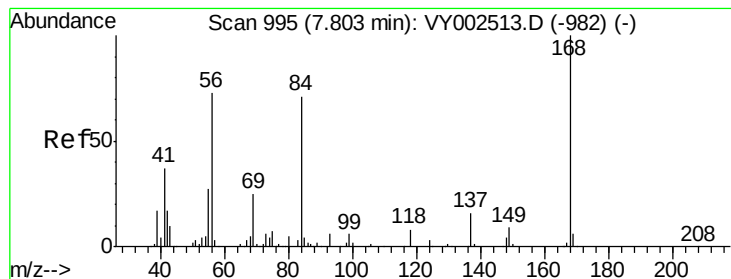
Tot Ion:	84	Resp:	4926
Ion	Ratio	Lower	Upper
84	100		
49	119.3	90.5	135.7
51	36.9	28.3	42.5
86	61.9	49.9	74.9



#25
2-Butanone
Concen: 4.097 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002543.D
Acq: 04 May 2020 16:03

Tgt Ion:	43	Resp:	3412
Ion	Ratio	Lower	Upper
43	100		
72	32.9	24.1	36.1





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002543.D

Acq: 04 May 2020 16:03

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB180-GW-708-710

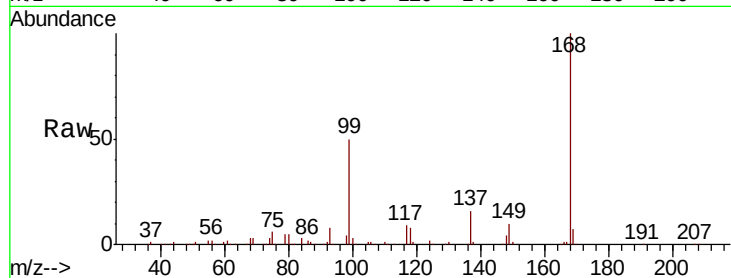
Tot Ion: 56 Resp: 5175

Ion Ratio Lower Upper

56 100

69 157.6 27.6 41.4#

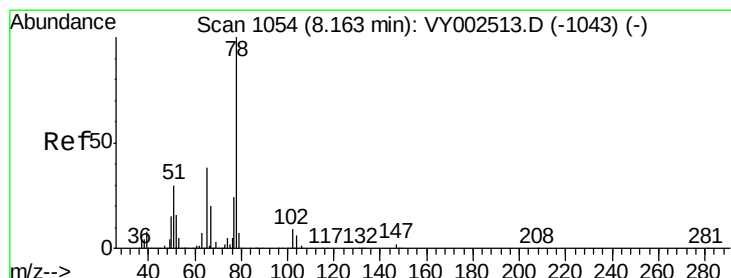
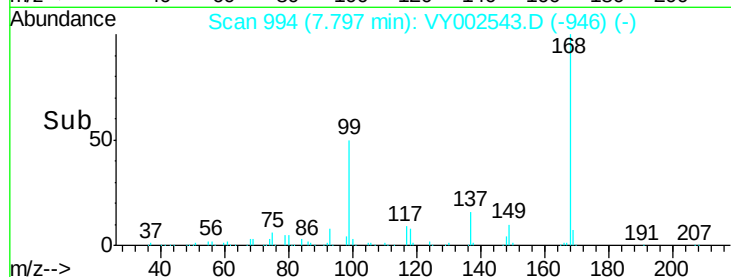
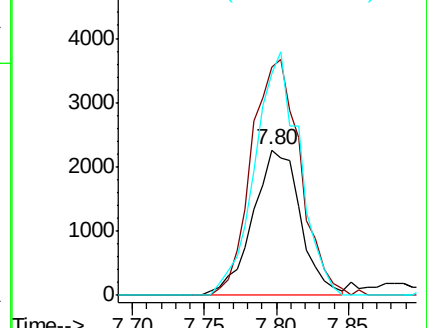
84 152.9 77.7 116.5#



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: 62.830 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002543.D

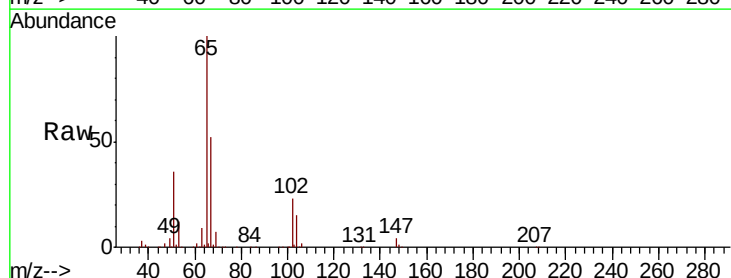
Acq: 04 May 2020 16:03

Tgt Ion: 65 Resp: 154878

Ion Ratio Lower Upper

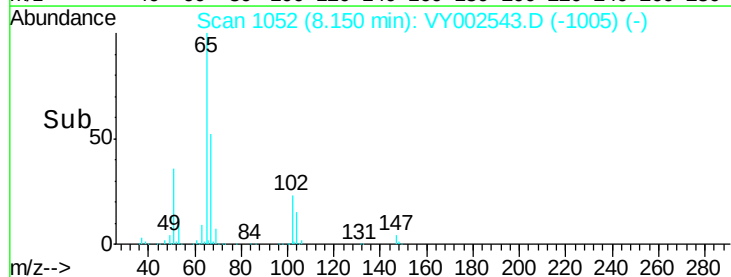
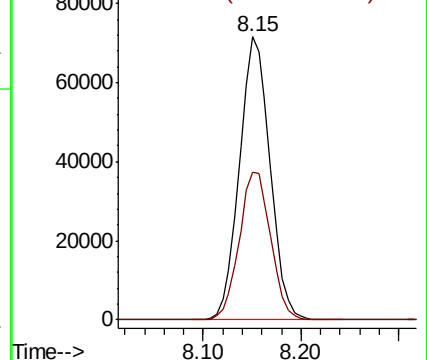
65 100

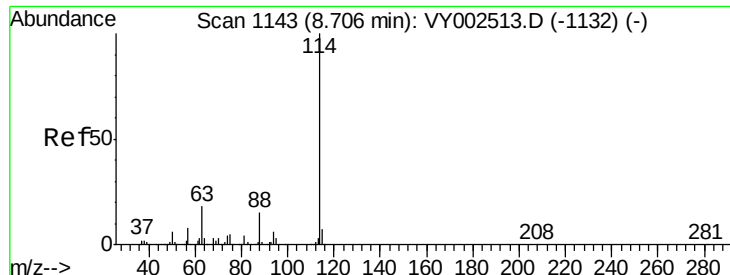
67 53.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

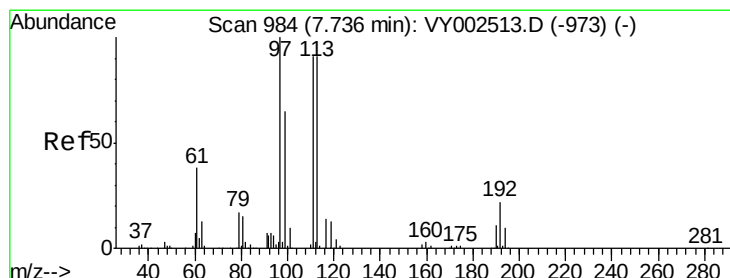
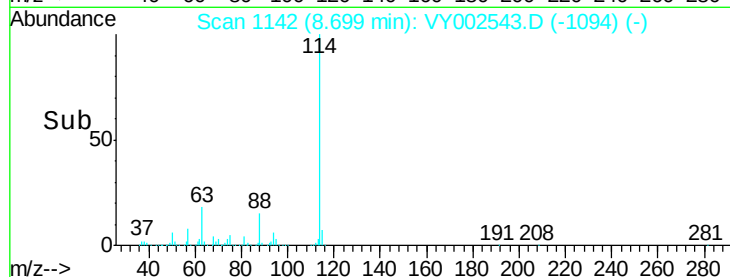
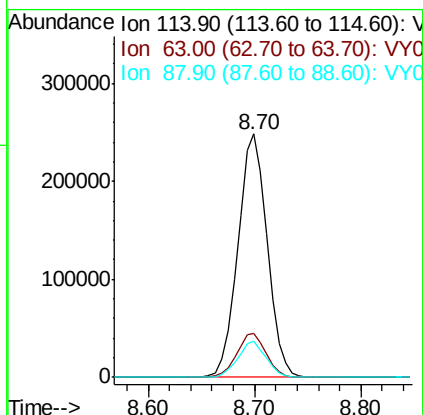
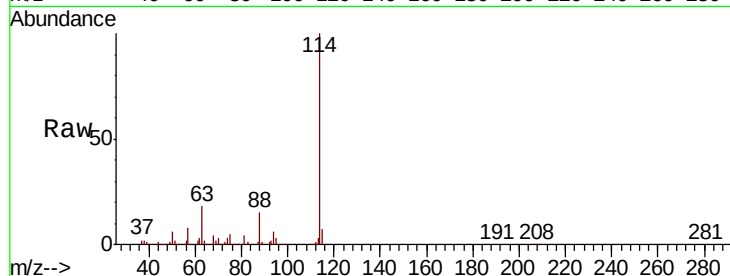




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

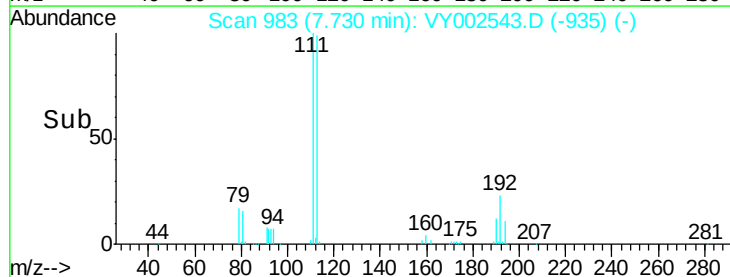
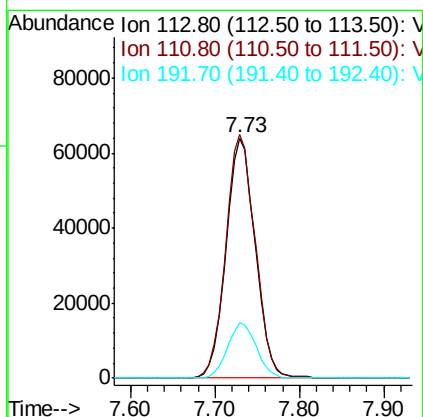
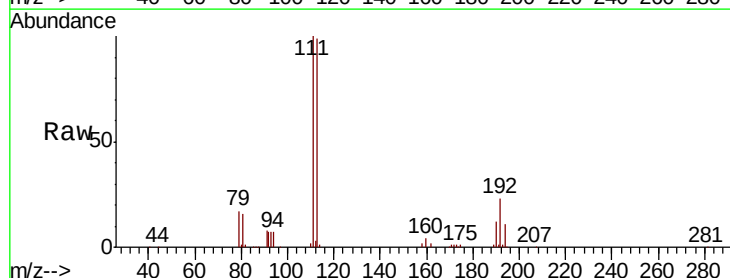
Instrument :
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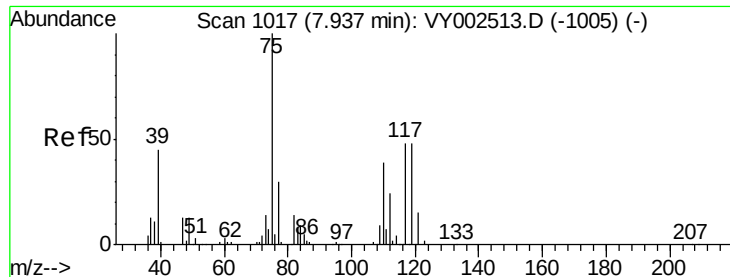
Tot Ion:114	Resp:	479031
Ion	Ratio	Lower Upper
114	100	
63	18.0	0.0 36.4
88	14.9	0.0 29.6



#35
 Dibromofluoromethane
 Concen: 54.870 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

Tgt Ion:113	Resp:	150322
Ion	Ratio	Lower Upper
113	100	
111	102.5	81.8 122.6
192	22.6	18.2 27.4

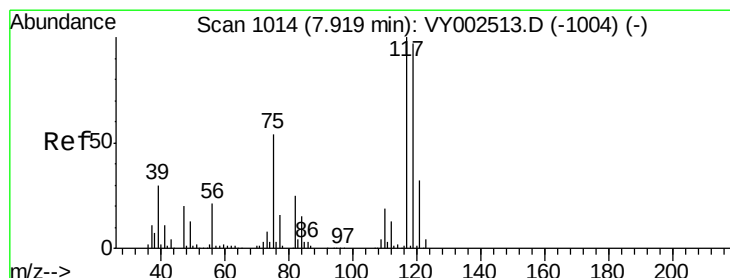
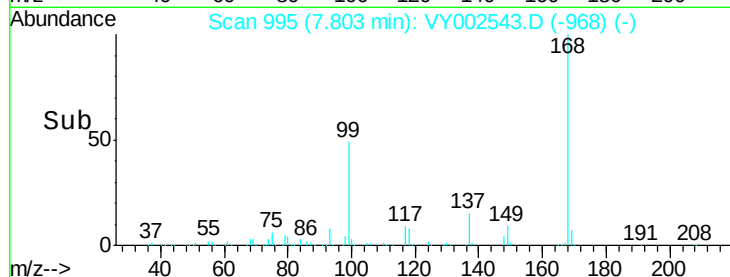
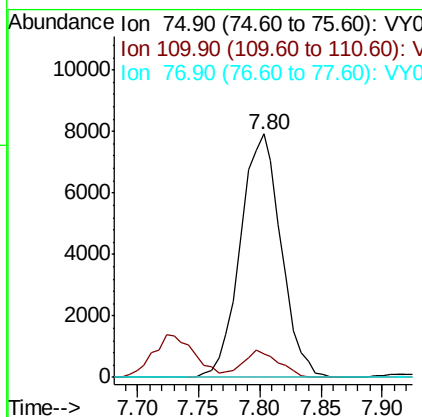
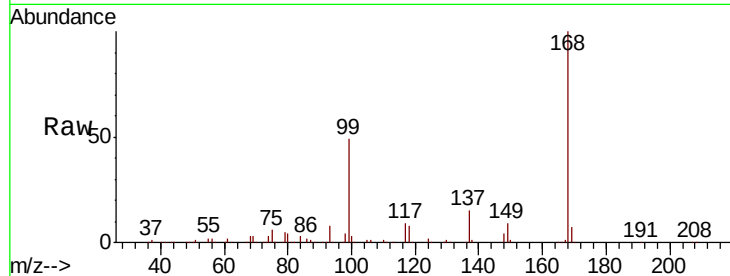




#36
 1,1-Dichloropropene
 Concen: 4.546 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

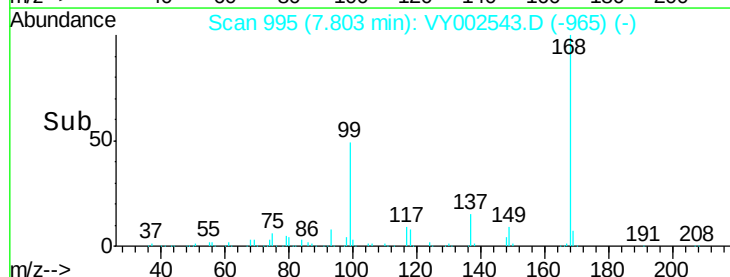
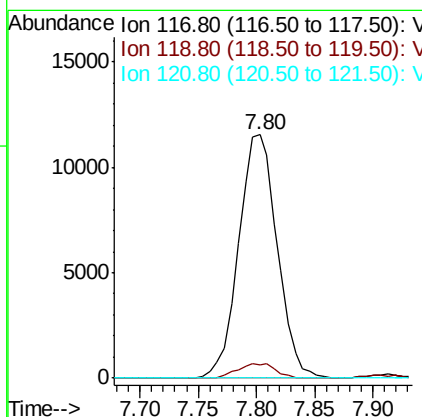
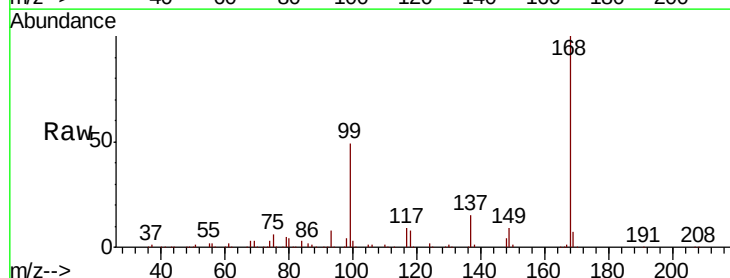
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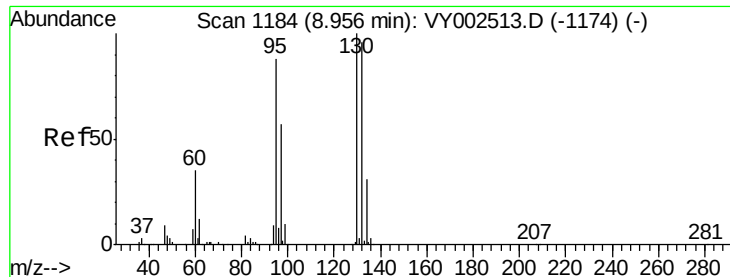
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.065 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.1	115.7#
121	0.0	25.2	37.8#

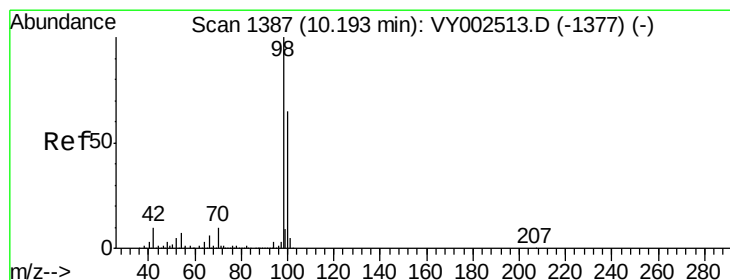
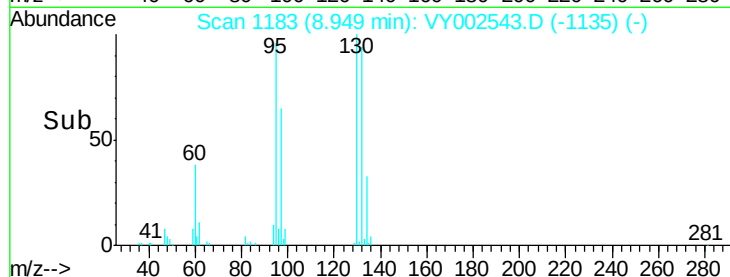
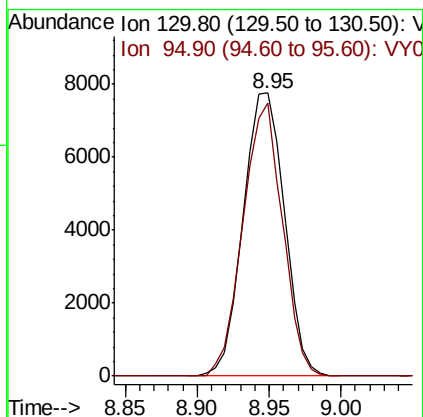
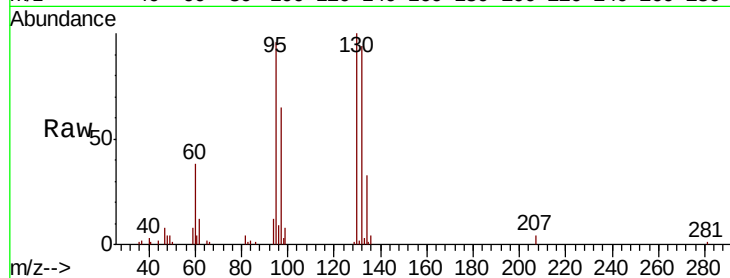




#44
 Trichloroethene
 Concen: 4.261 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

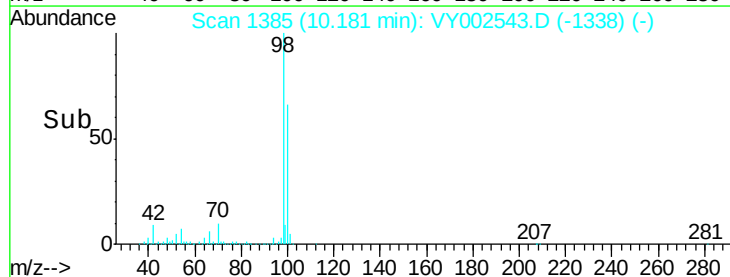
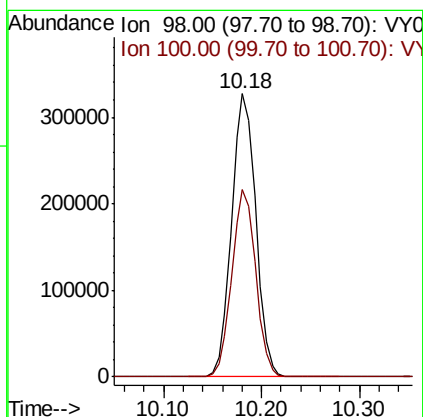
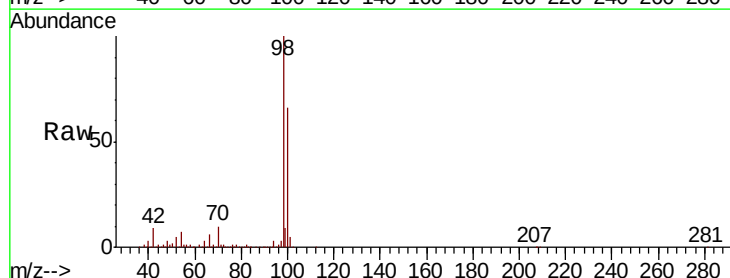
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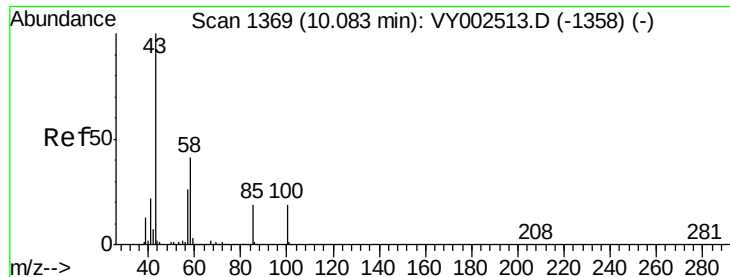
Tot Ion:130 Resp: 15444
 Ion Ratio Lower Upper
 130 100
 95 96.3 0.0 175.8



#50
 Toluene-d8
 Concen: 52.485 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: VY002543.D
 Acq: 04 May 2020 16:03

Tgt Ion: 98 Resp: 561510
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 3.017 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002543.D

Acq: 04 May 2020 16:03

Instrument :

MSVOA_Y

ClientSampleId :

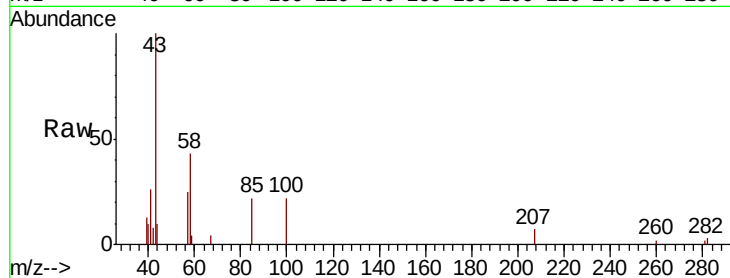
BP-VPB180-GW-708-710

Tot Ion: 43 Resp: 6016

Ion Ratio Lower Upper

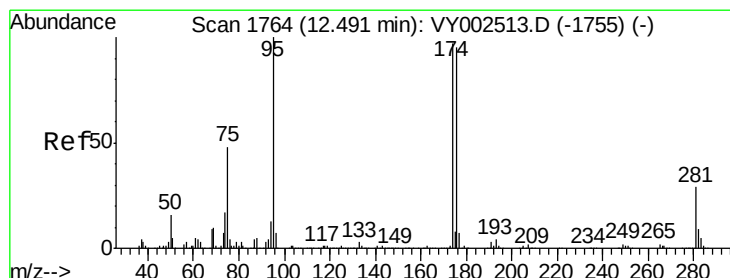
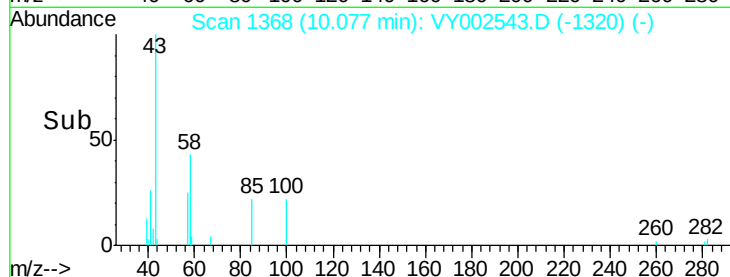
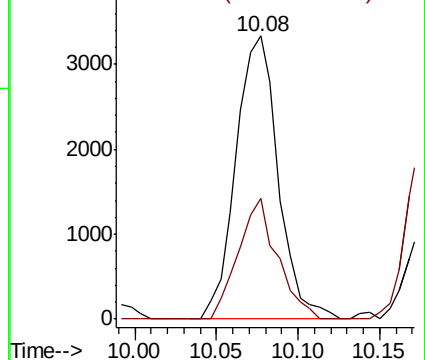
43 100

58 39.5 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 52.213 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002543.D

Acq: 04 May 2020 16:03

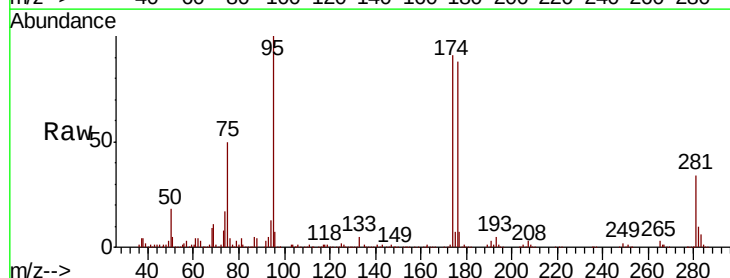
Tgt Ion: 95 Resp: 189546

Ion Ratio Lower Upper

95 100

174 93.5 0.0 188.8

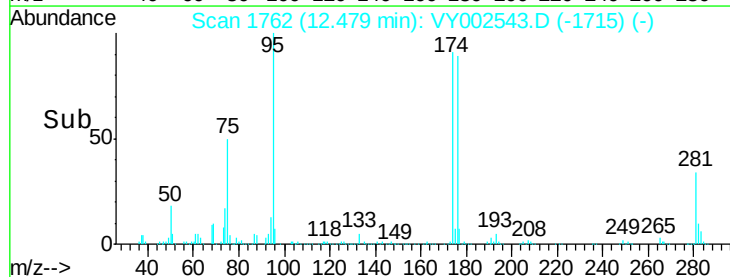
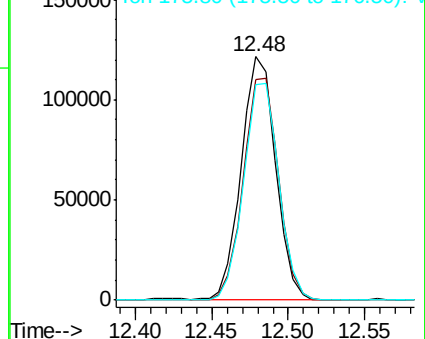
176 91.3 0.0 183.2

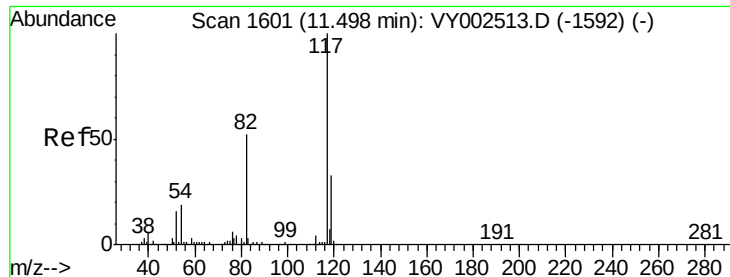


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

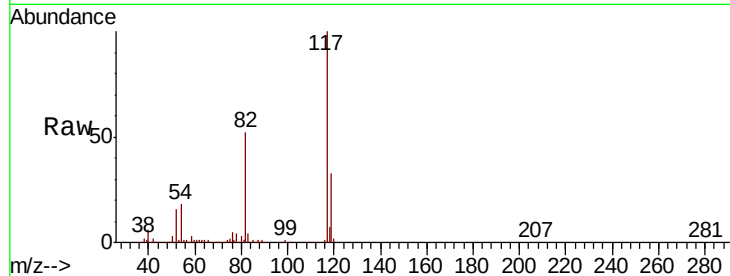




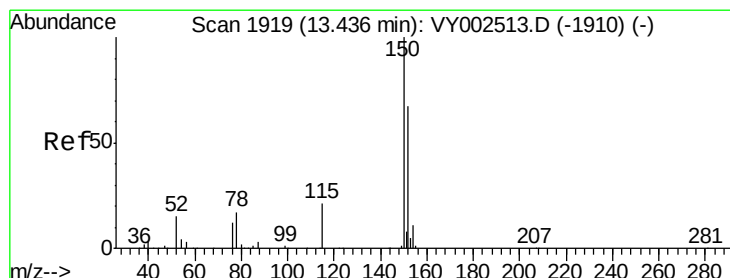
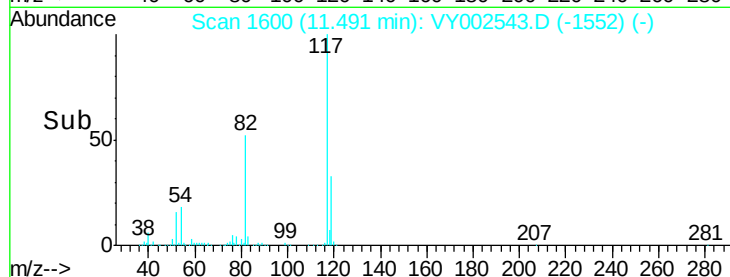
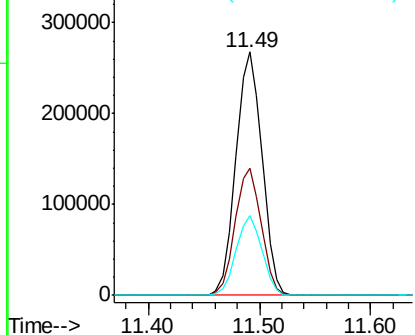
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002543.D
Acq: 04 May 2020 16:03

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB180-GW-708-710

Tot Ion:117 Resp: 435622
Ion Ratio Lower Upper
117 100
82 52.3 41.3 61.9
119 32.9 26.0 39.0

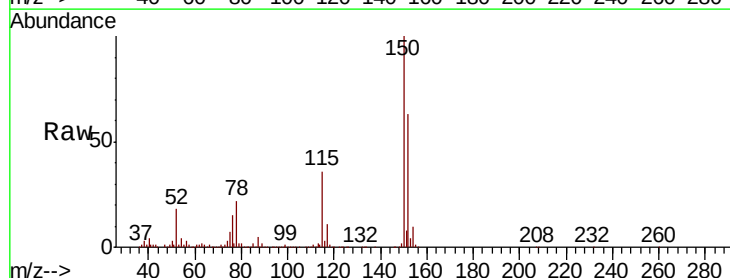


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

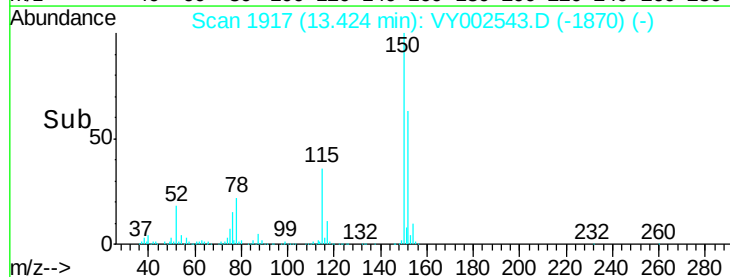
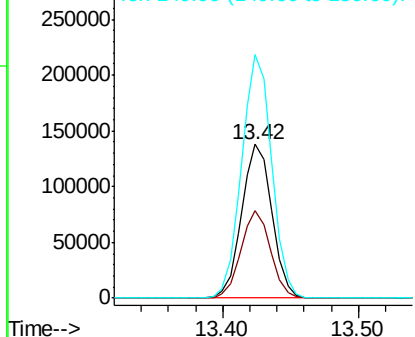


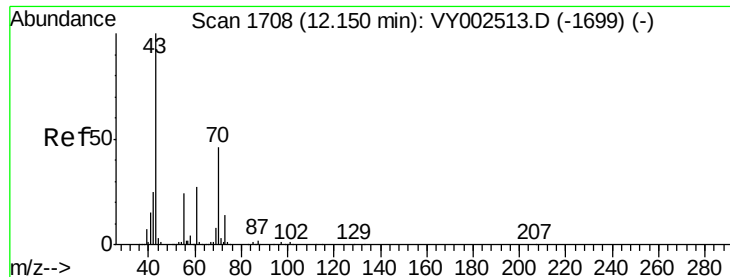
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002543.D
Acq: 04 May 2020 16:03

Tgt Ion:152 Resp: 214306
Ion Ratio Lower Upper
152 100
115 55.0 27.5 82.4
150 157.3 0.0 346.4



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

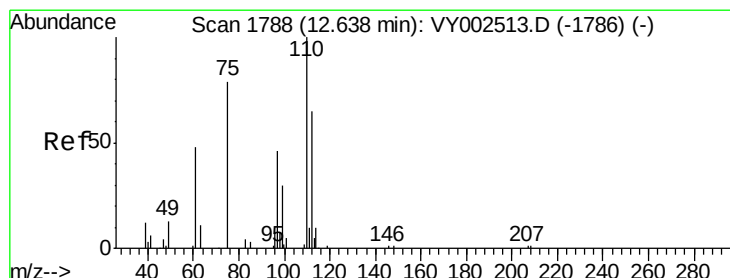
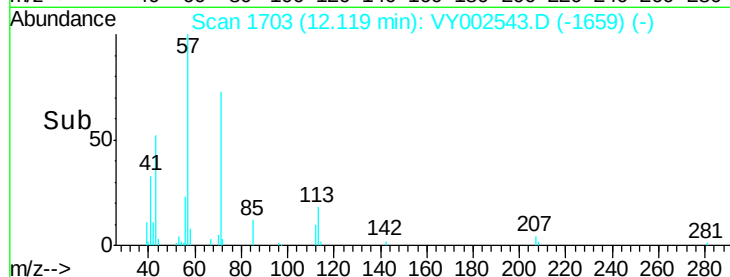
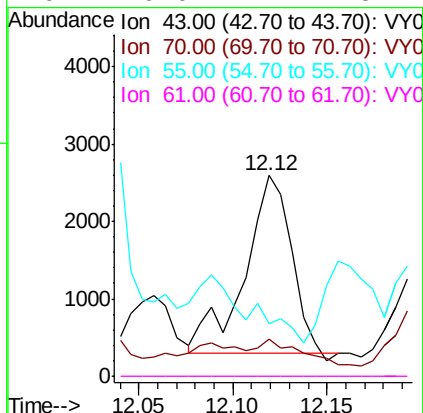
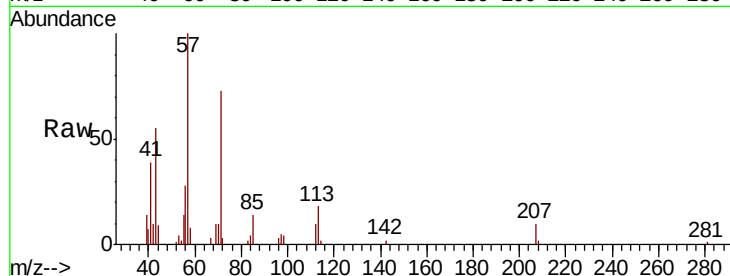




#74
N-amvl acetate
Concen: 1.174 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.03 min
Lab File: VY002543.D
Acq: 04 May 2020 16:03

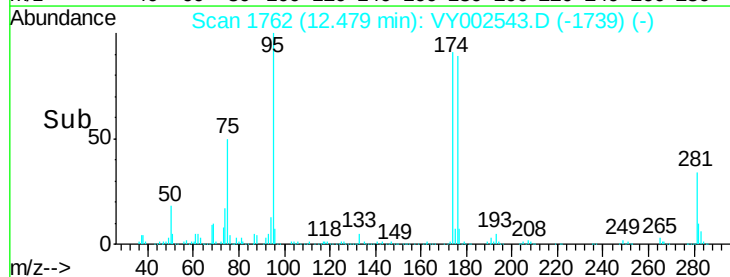
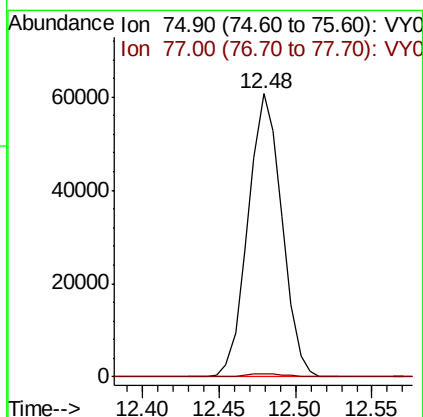
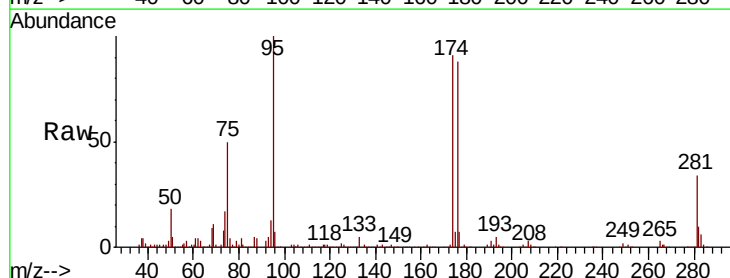
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB180-GW-708-710

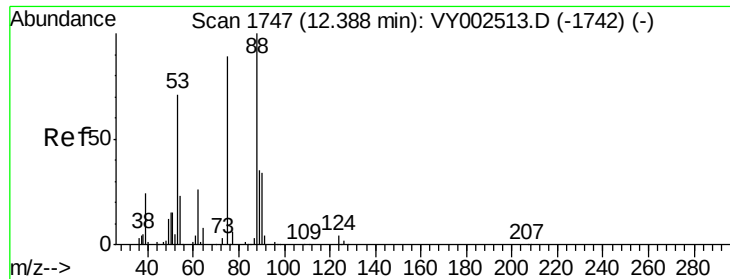
Tot Ion: 43 Resp: 3923
Ion Ratio Lower Upper
43 100
70 14.0 36.7 55.1#
55 0.0 19.2 28.8#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 49.156 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002543.D
Acq: 04 May 2020 16:03

Tgt Ion: 75 Resp: 93617
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 98.568 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002543.D

Acq: 04 May 2020 16:03

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB180-GW-708-710

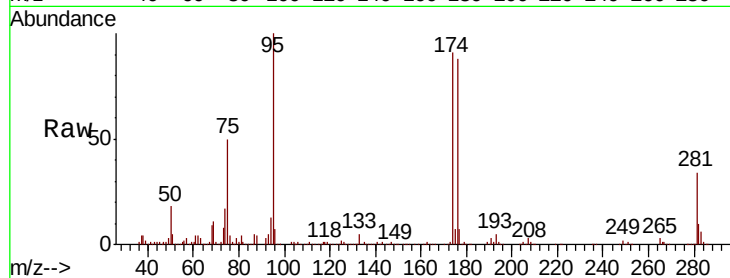
Tot Ion: 75 Resp: 93617

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.0#

89 0.7 37.4 56.0#



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

