

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072120\
 Data File : VY003265.D
 Acq On : 21 Jul 2020 21:39
 Operator : SY/MD
 Sample : L3324-02
 Misc : 6.96G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB47198RT

Quant Time: Jul 22 02:47:05 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	401512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	622074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	547852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232066	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	204621	60.38	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.72	113	198422	55.43	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.18	98	751530	56.47	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.48	95	219400	45.63	ug/l	0.00
Spiked Amount						

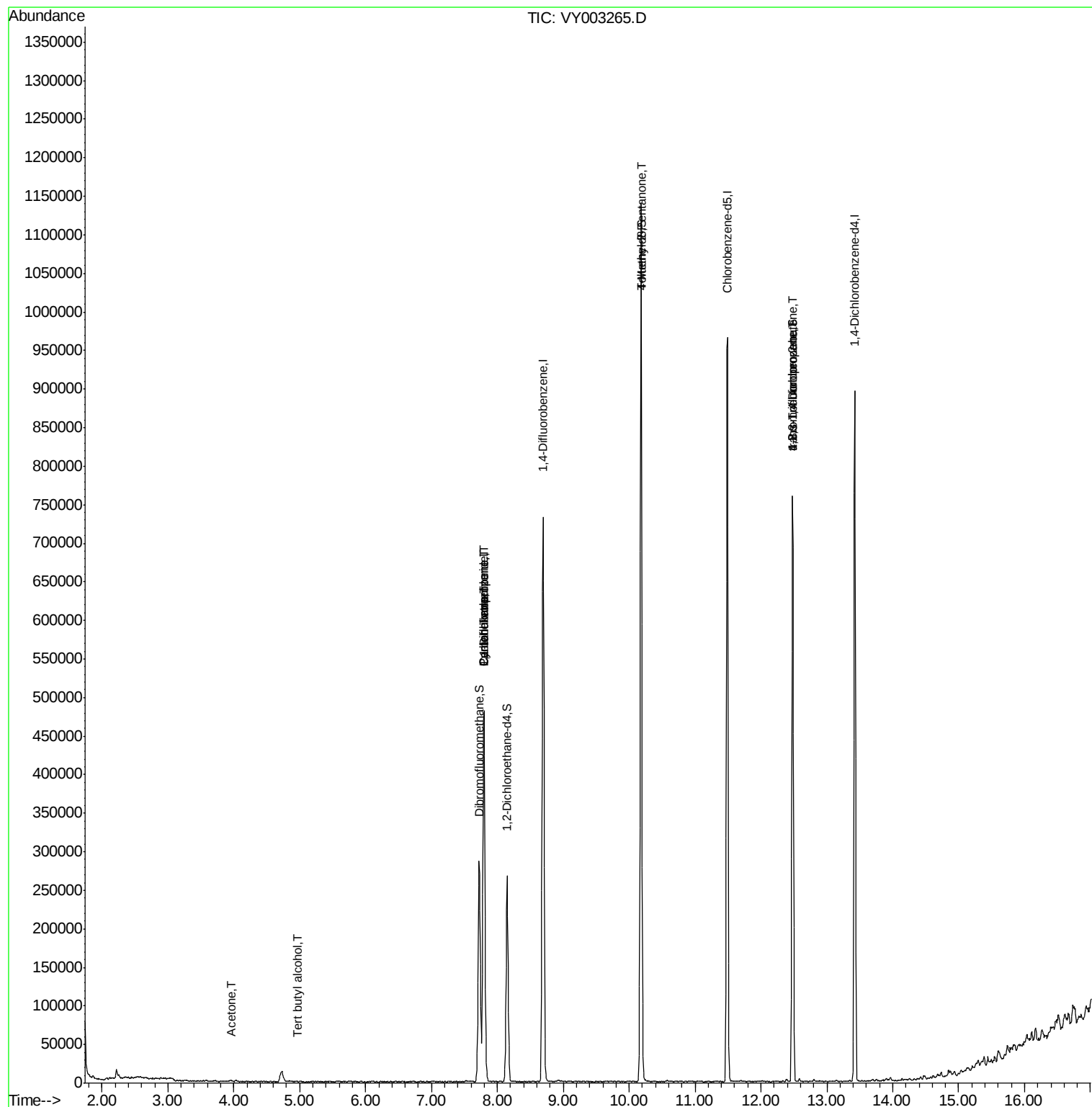
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	760	2.074	ug/l #	79
16) Acetone	3.96	43	2512	3.318	ug/l #	84
20) Methylene Chloride	4.72	84	10574	Below Cal	#	82
31) Cyclohexane	7.80	56	7181	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26985	4.786	ug/l #	51
38) Carbon Tetrachloride	7.80	117	36443	6.261	ug/l #	17
51) 4-Methyl-2-Pentanone	10.17	43	3124	1.023	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	110027	53.562	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	110027	104.243	ug/l #	13

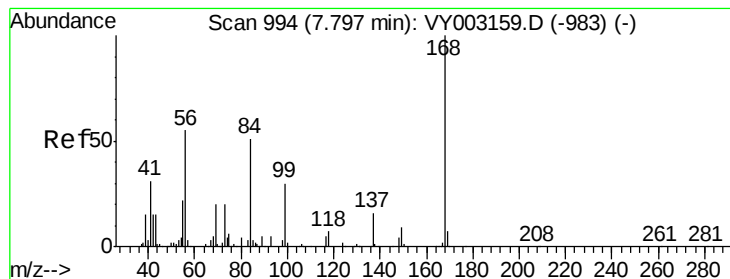
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003265.D

Acq: 21 Jul 2020 21:39

Instrument :

MSVOA_Y

ClientSampleId :

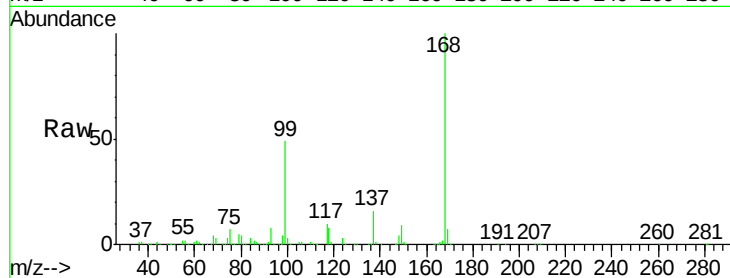
RB47198RT

Tot Ion:168 Resp: 401512

Ion Ratio Lower Upper

168 100

99 48.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

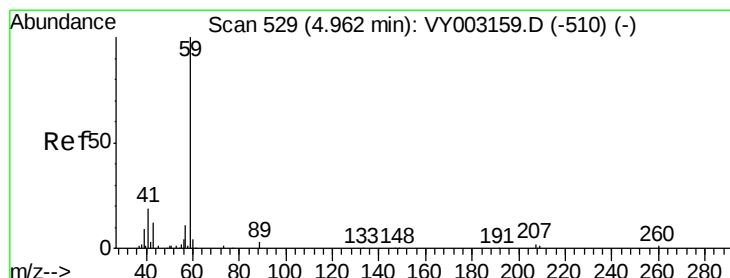
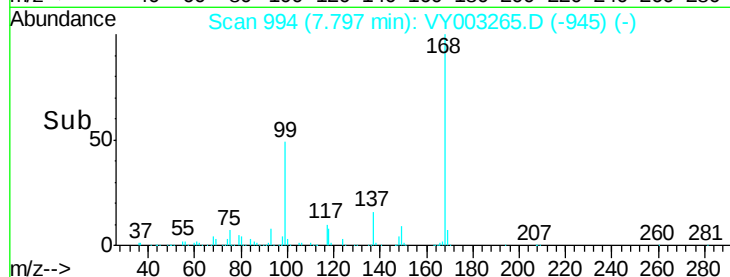
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.074 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003265.D

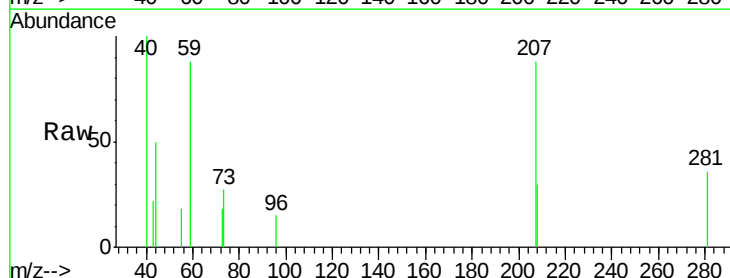
Acq: 21 Jul 2020 21:39

Tgt Ion: 59 Resp: 760

Ion Ratio Lower Upper

59 100

57 2.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.97

500

400

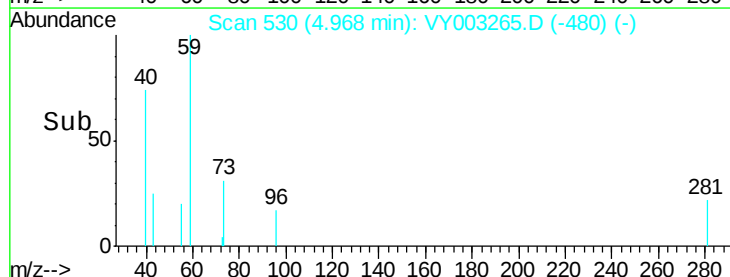
300

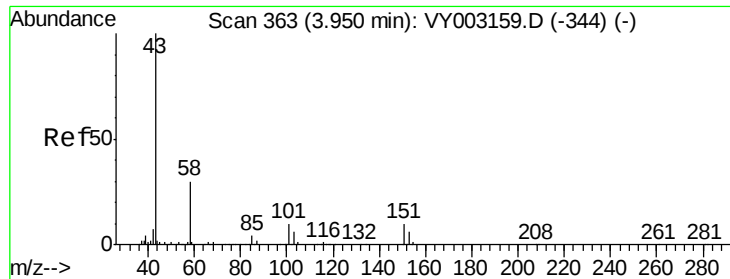
200

100

0

Time-->





#16

Acetone

Concen: 3.318 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003265.D

Acq: 21 Jul 2020 21:39

Instrument :

MSVOA_Y

ClientSampleId :

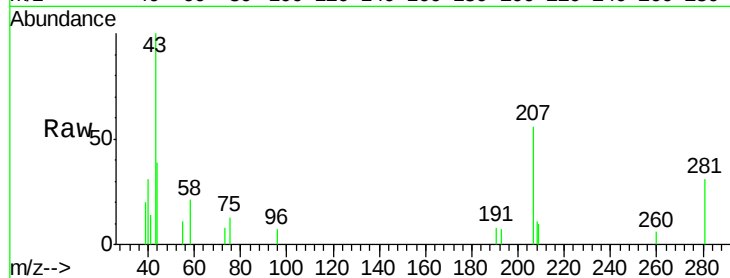
RB47198RT

Tot Ion: 43 Resp: 2512

Ion Ratio Lower Upper

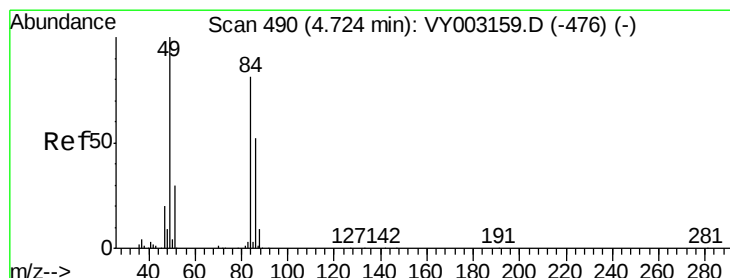
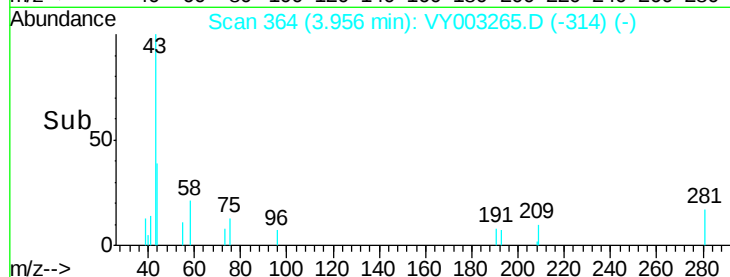
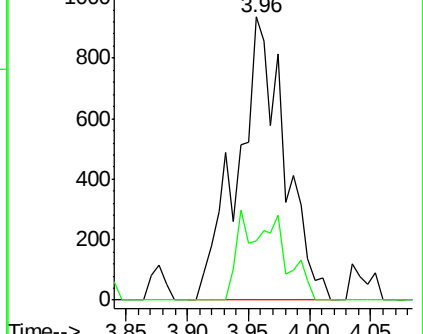
43 100

58 21.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003265.D

Acq: 21 Jul 2020 21:39

Tgt Ion: 84 Resp: 10574

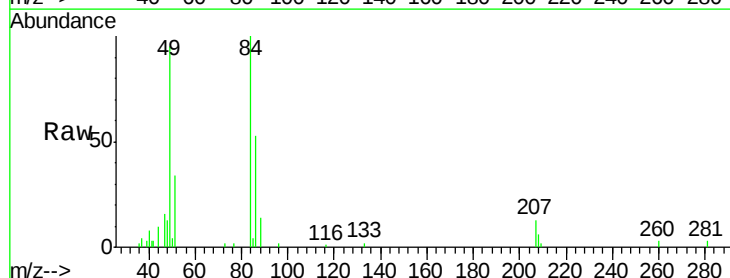
Ion Ratio Lower Upper

84 100

49 95.4 98.2 147.4#

51 34.2 29.8 44.6

86 52.6 51.2 76.8

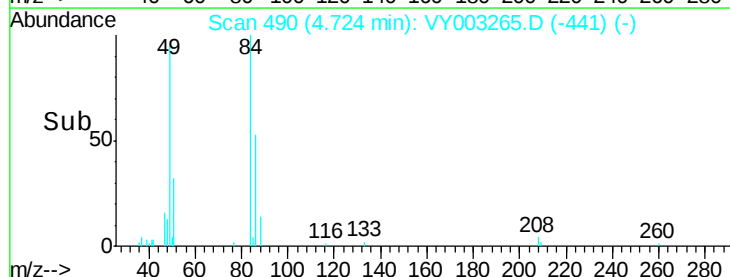
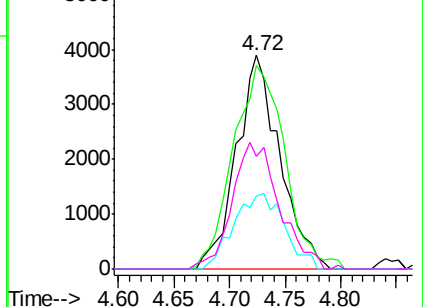


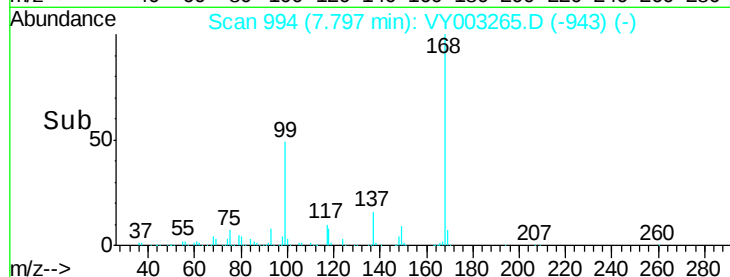
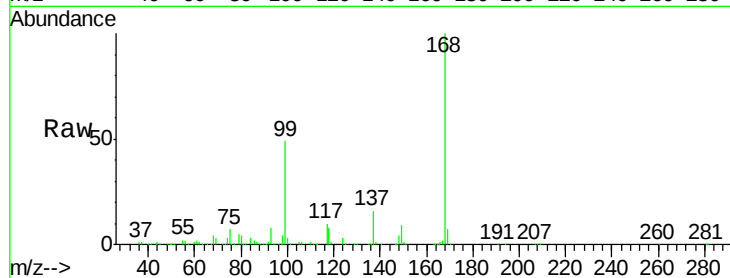
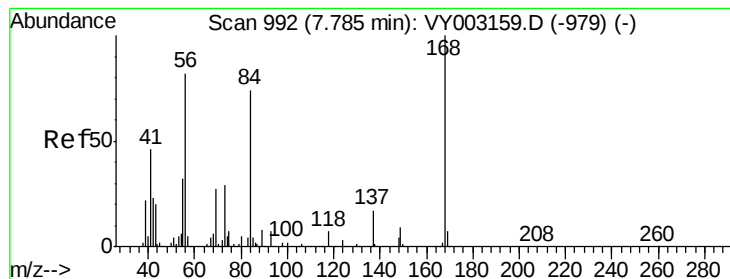
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.165 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003265.D

Acq: 21 Jul 2020 21:39

Instrument :

MSVOA_Y

ClientSampleId :

RB47198RT

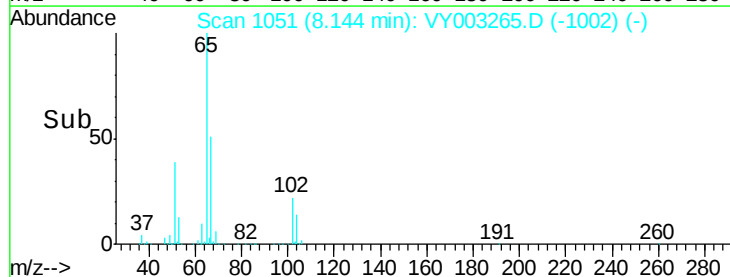
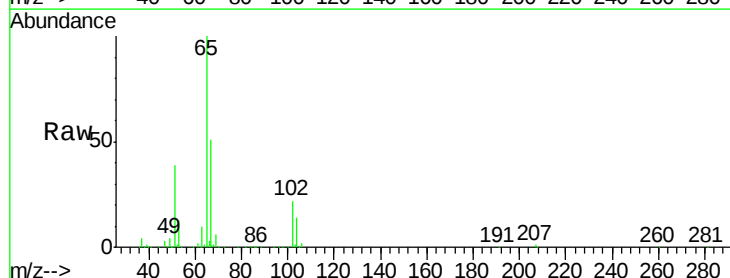
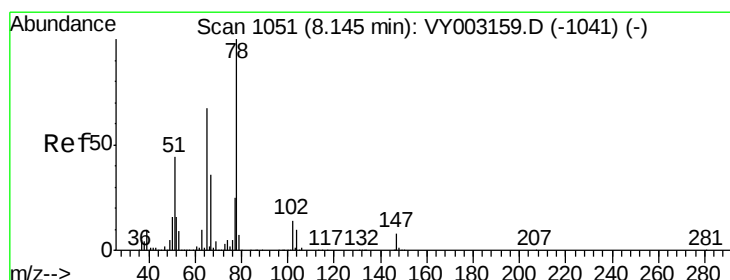
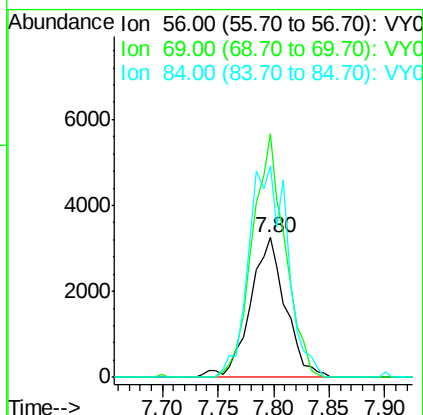
Tot Ion: 56 Resp: 7181

Ion Ratio Lower Upper

56 100

69 174.1 26.7 40.1#

84 150.9 72.3 108.5#



#33

1,2-Dichloroethane-d4

Concen: 60.380 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003265.D

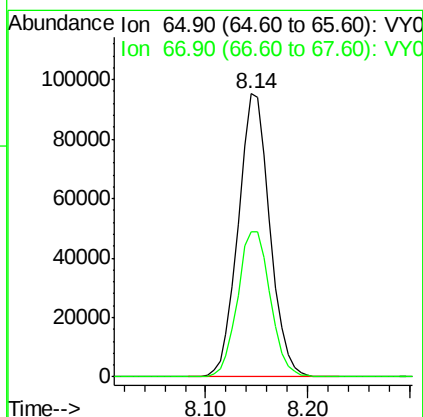
Acq: 21 Jul 2020 21:39

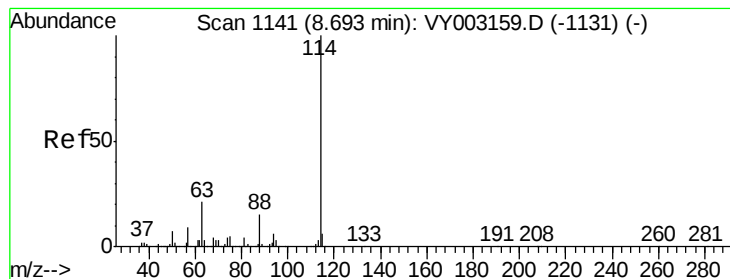
Tgt Ion: 65 Resp: 204621

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003265.D

Acq: 21 Jul 2020 21:39

Instrument :

MSVOA_Y

ClientSampleId :

RB47198RT

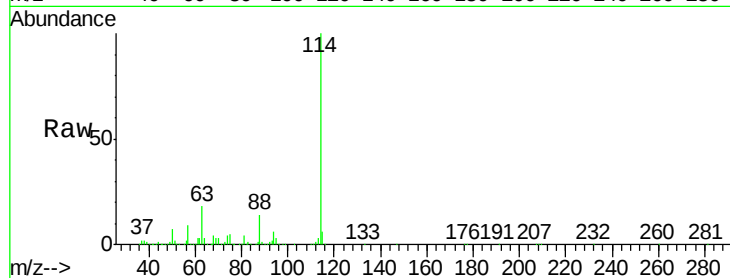
Tot Ion:114 Resp: 622074

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.2

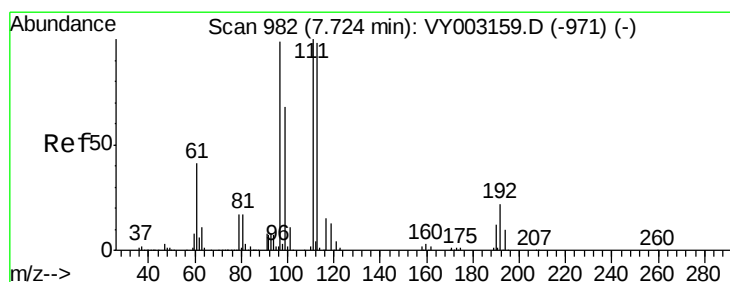
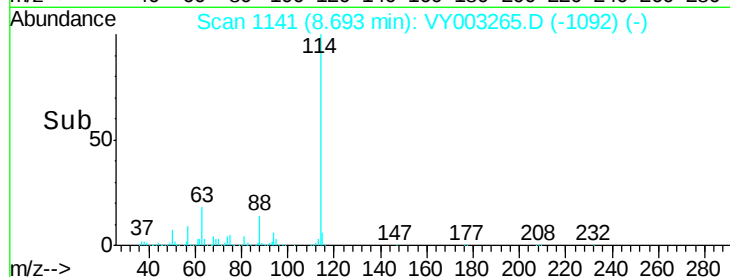
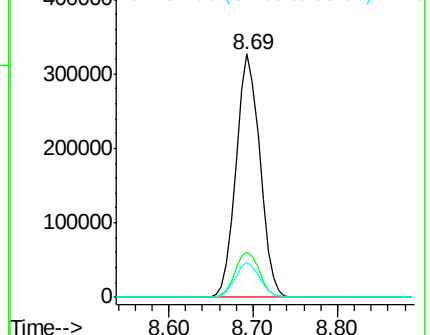
88 14.4 0.0 30.2



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: 55.427 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003265.D

Acq: 21 Jul 2020 21:39

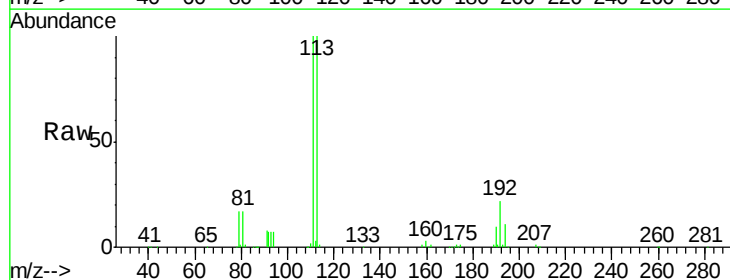
Tgt Ion:113 Resp: 198422

Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

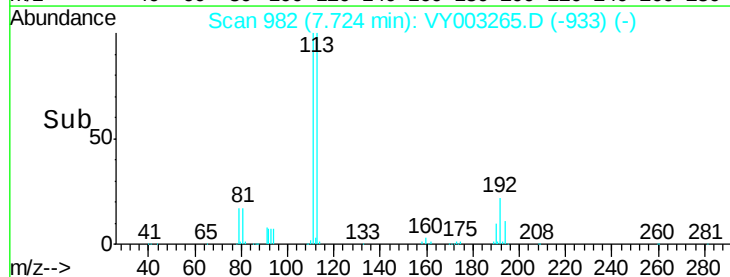
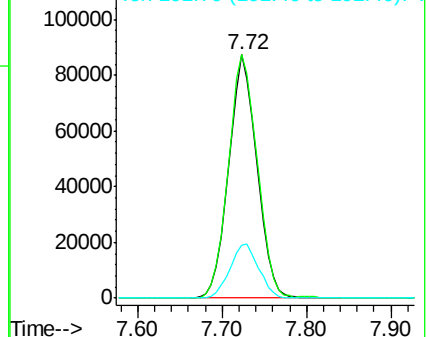
192 22.9 18.8 28.2

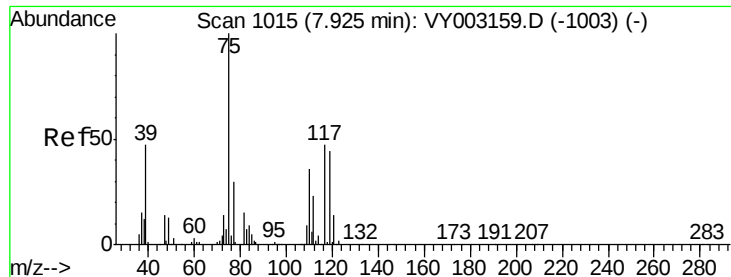


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

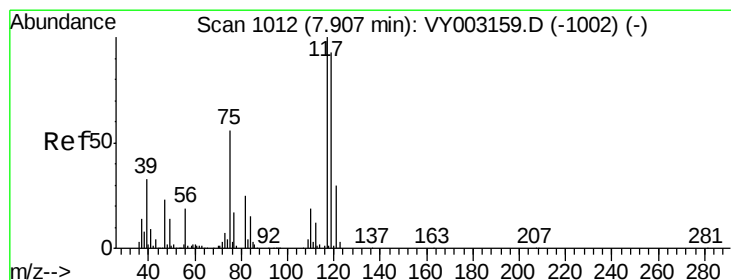
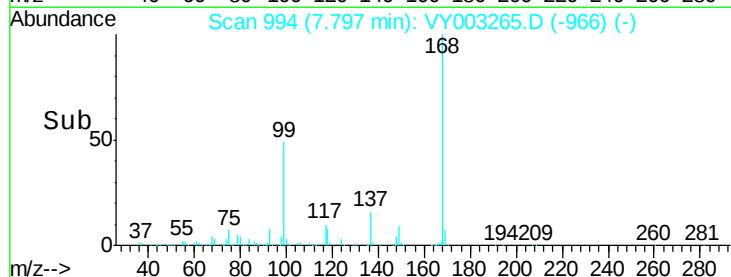
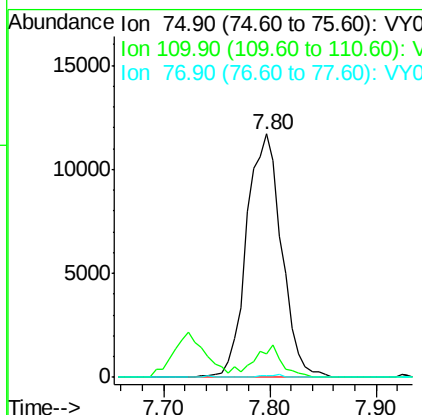
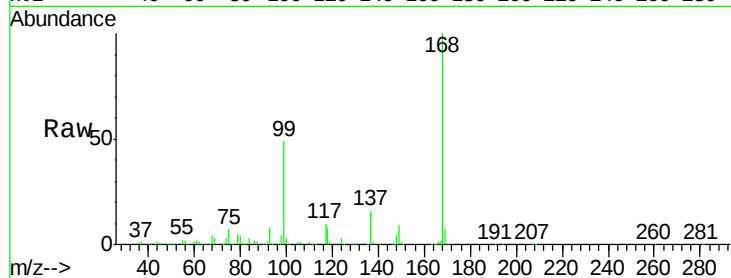




#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003265.D
 Acq: 21 Jul 2020 21:39

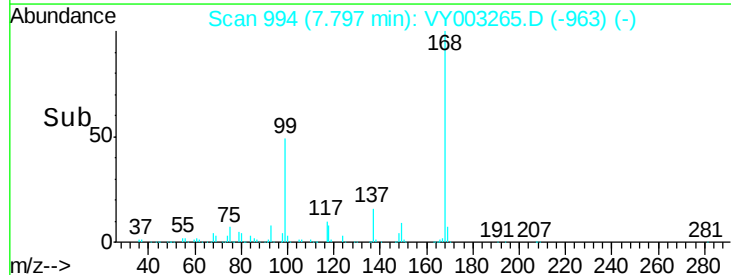
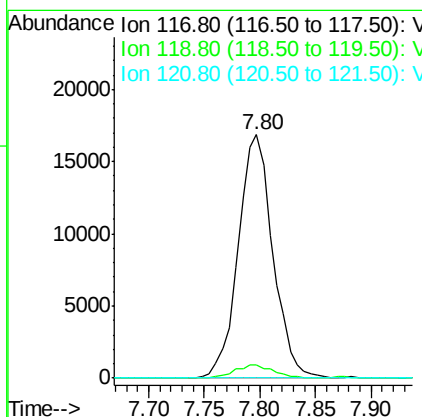
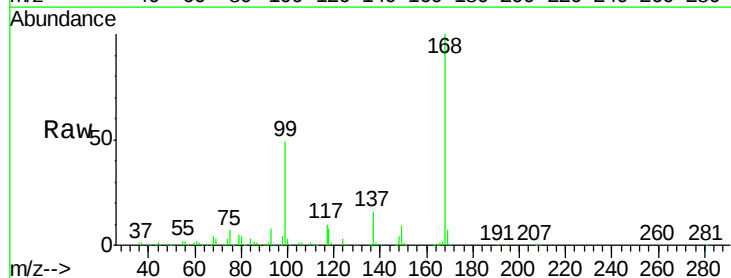
Instrument :
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 ClientSampleId :
 RB47198RT

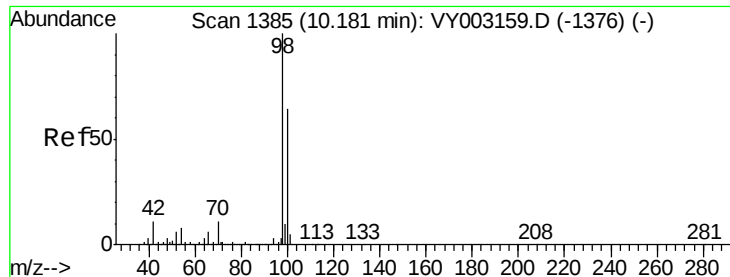
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	0.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.261 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003265.D
 Acq: 21 Jul 2020 21:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	74.5	111.7#
121	0.0	24.2	36.2#

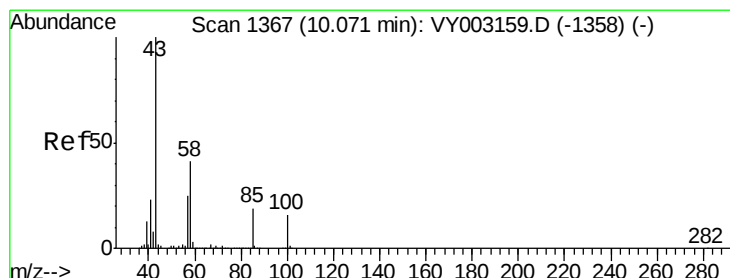
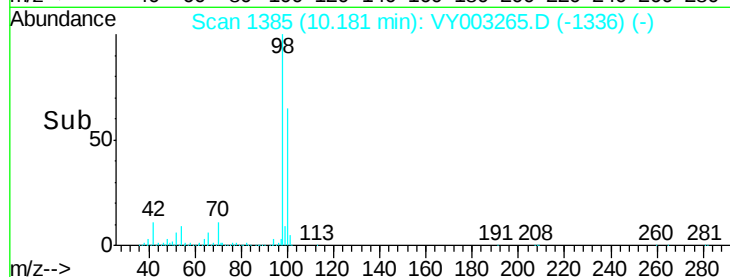
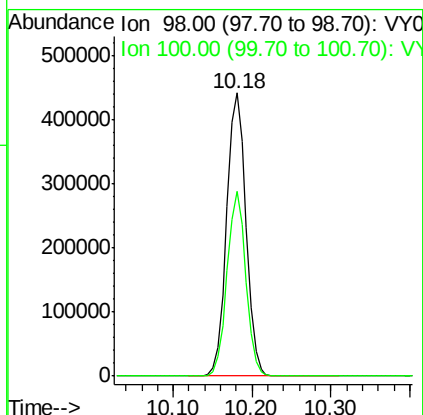
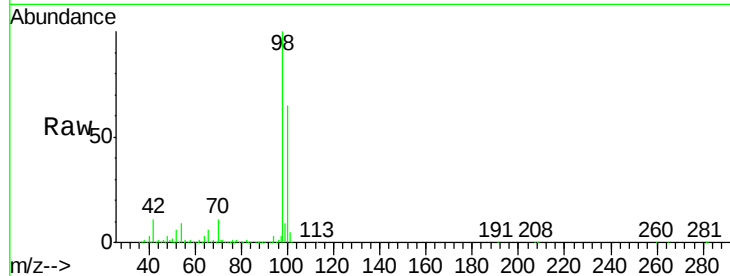




#50
Toluene-d8
Concen: 56.466 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003265.D
Acq: 21 Jul 2020 21:39

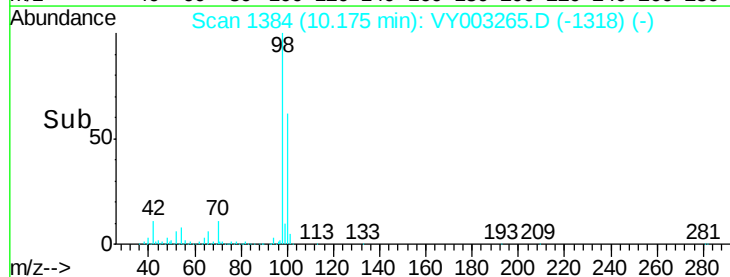
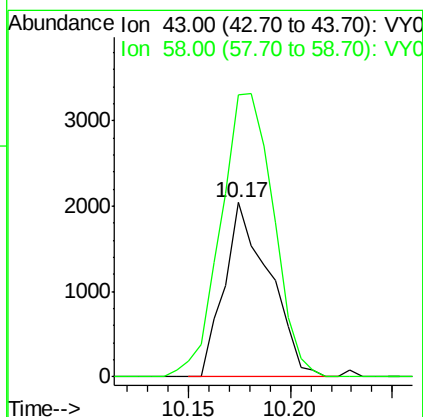
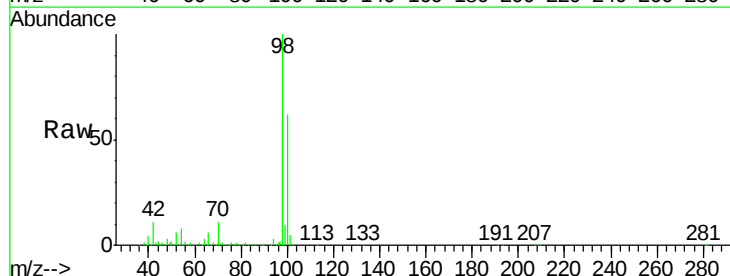
Instrument :
MSVOA_Y
ClientSampleId :
RB47198RT

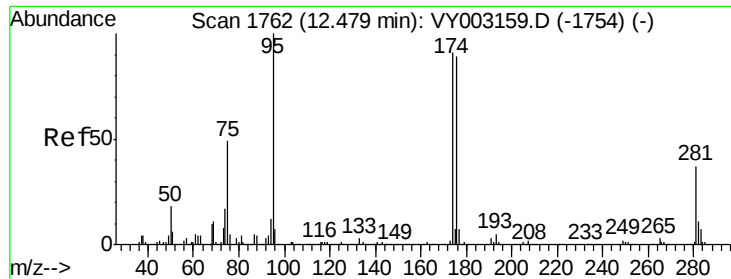
Tot Ion: 98 Resp: 751530
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.023 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. 0.10 min
Lab File: VY003265.D
Acq: 21 Jul 2020 21:39

Tgt Ion: 43 Resp: 3124
Ion Ratio Lower Upper
43 100
58 190.5 32.7 49.1#

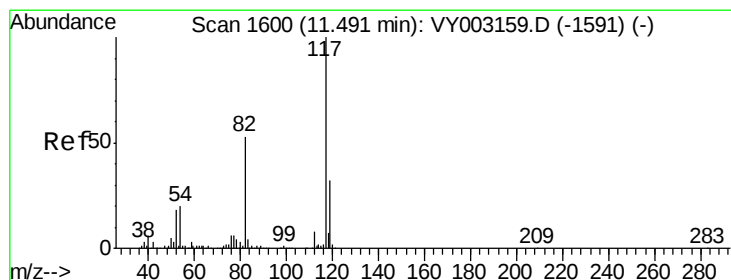
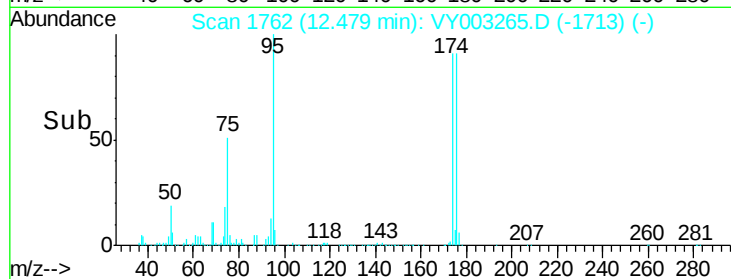
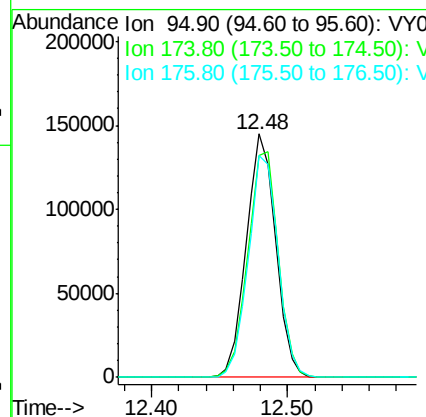
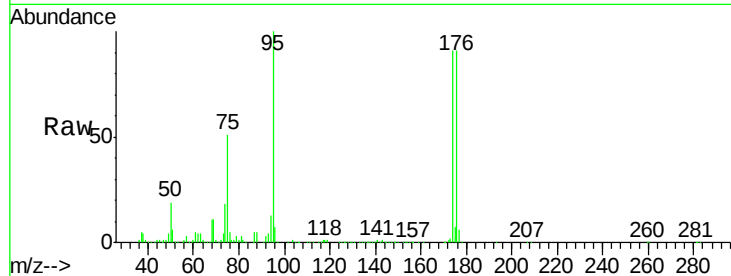




#62
4-Bromofluorobenzene
Concen: 45.631 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003265.D
Acq: 21 Jul 2020 21:39

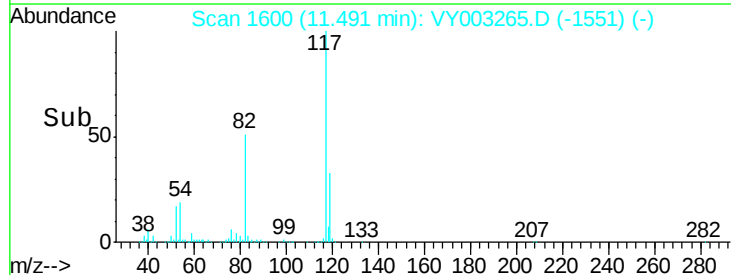
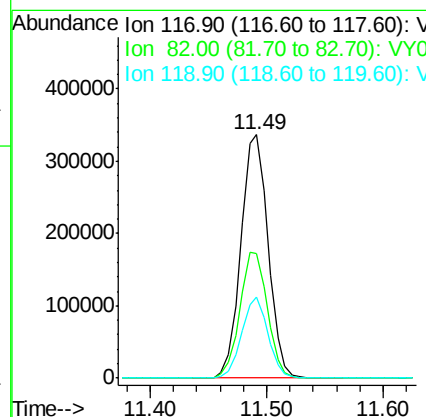
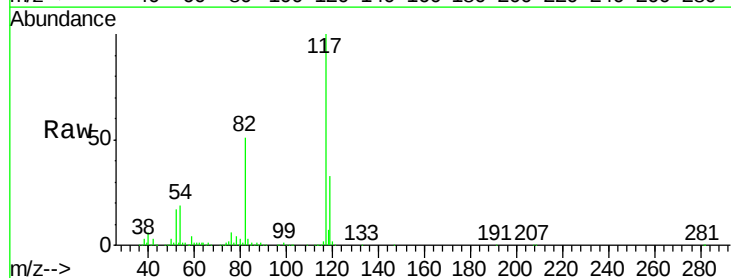
Instrument :
MSVOA_Y
ClientSampleId :
RB47198RT

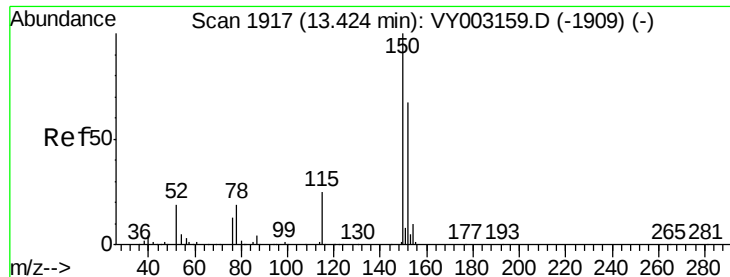
Tot Ion	95	Resp	219400
Ion Ratio	Lower	Upper	
95	100		
174	96.0	0.0	190.6
176	92.2	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003265.D
Acq: 21 Jul 2020 21:39

Tgt Ion	117	Resp	547852
Ion Ratio	Lower	Upper	
117	100		
82	51.4	42.0	63.0
119	33.2	25.5	38.3



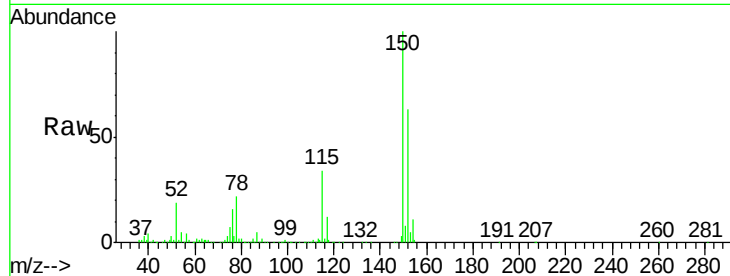


#72

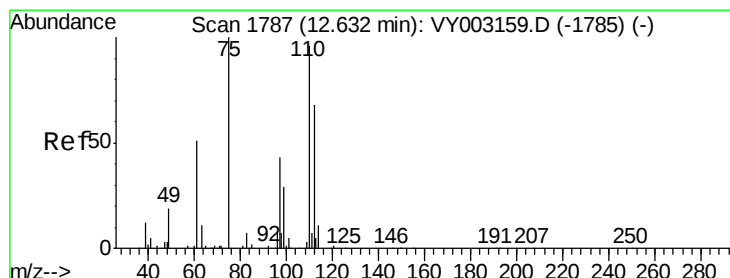
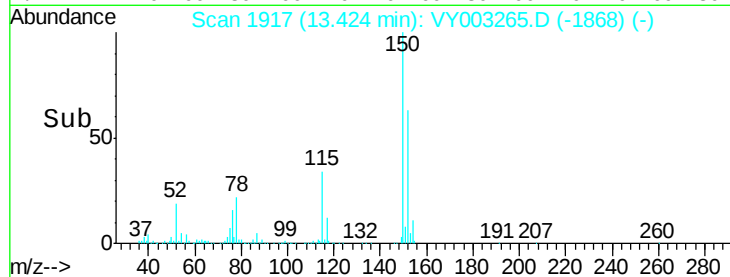
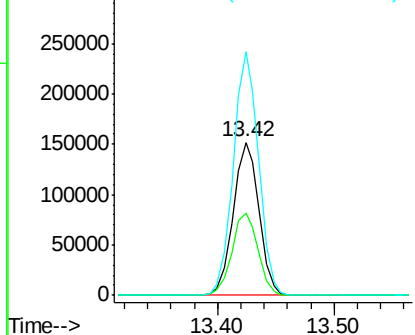
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003265.D
Acq: 21 Jul 2020 21:39

Instrument :
MSVOA_Y
ClientSampleId :
RB47198RT

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.9	80.7
150	157.1	0.0	338.0



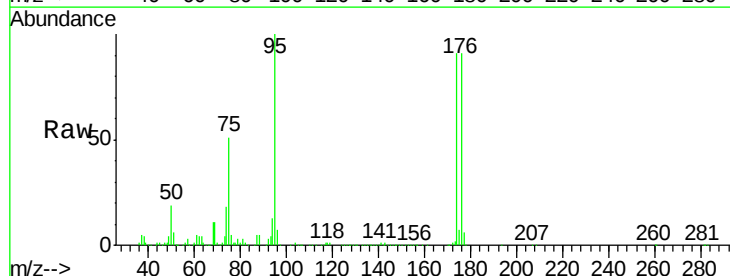
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



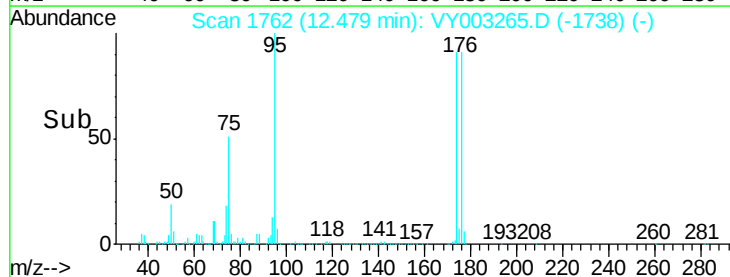
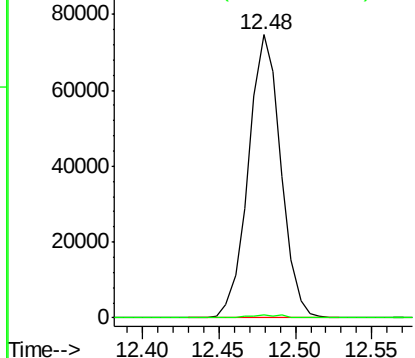
#76

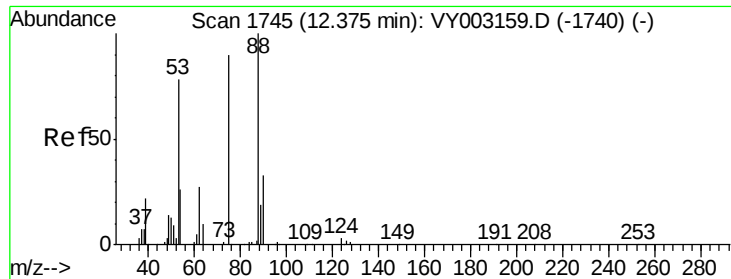
1,2,3-Trichloropropane
Concen: 53.562 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003265.D
Acq: 21 Jul 2020 21:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 104.243 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003265.D

Acq: 21 Jul 2020 21:39

Instrument :

MSVOA_Y

ClientSampleId :

RB47198RT

Tot Ion: 75 Resp: 110027

Ion Ratio Lower Upper

75 100

53 0.2 72.0 108.0#

89 0.2 37.3 55.9#

