

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001799.D
 Acq On : 28 Feb 2020 13:14
 Operator : SY/MD
 Sample : L1723-02RE
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-(1.5-2)RE

Quant Time: Feb 28 22:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	144179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	276637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	230167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	78363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	89091	57.45	ug/l	0.00
Spiked Amount			Recovery	=	114.90%	
35) Dibromofluoromethane	7.75	113	81959	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	10.20	98	330764	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.50	95	91320	37.87	ug/l	0.00
Spiked Amount			Recovery	=	75.74%	

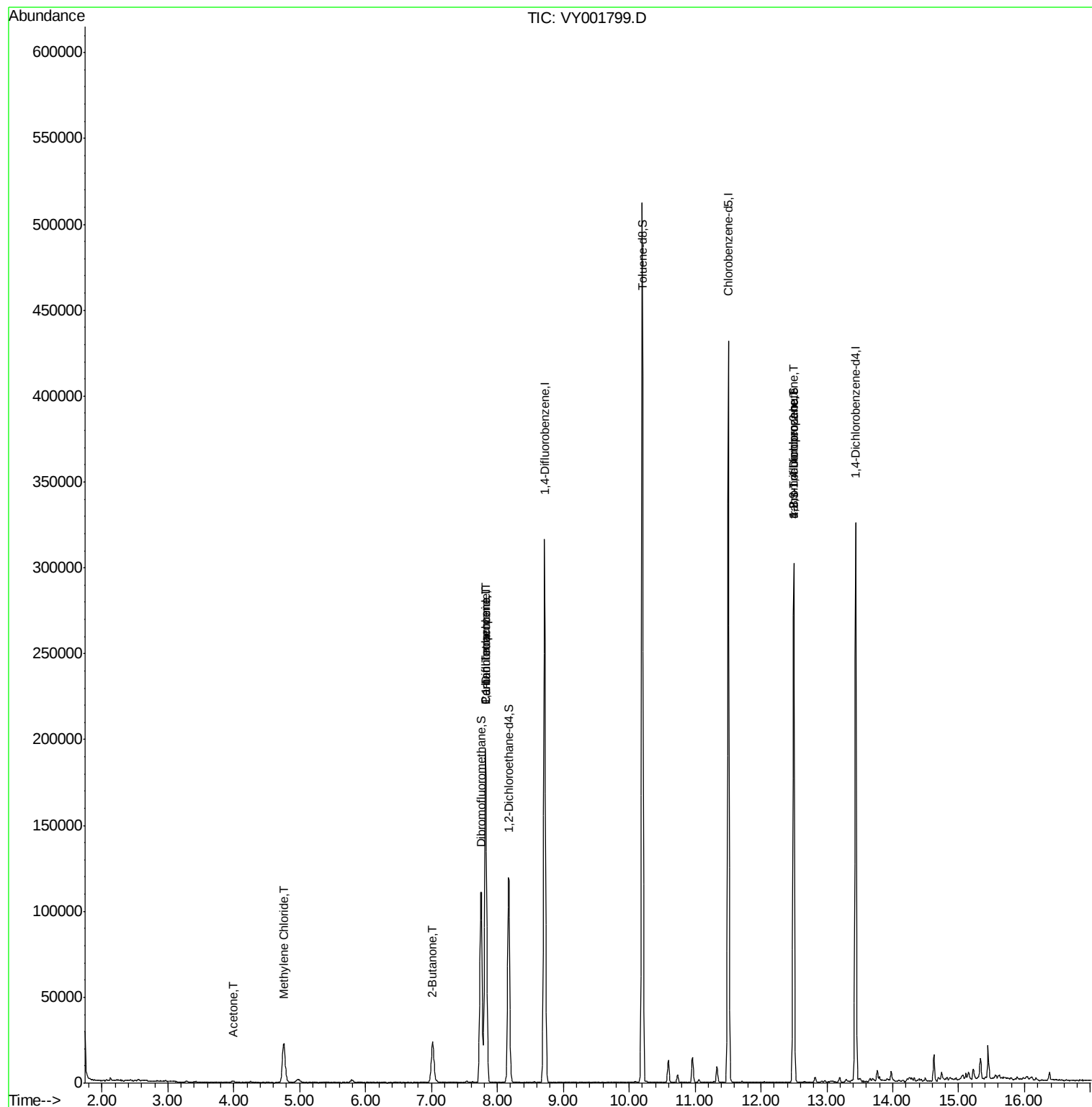
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	3019	Below Cal	#	74
16) Acetone	3.99	43	1850	3.448	ug/l #	88
20) Methylene Chloride	4.76	84	17540	9.202	ug/l	97
25) 2-Butanone	7.01	43	1401	1.922	ug/l #	48
36) 1,1-Dichloropropene	7.82	75	12313	4.660	ug/l #	50
38) Carbon Tetrachloride	7.82	117	14478	6.238	ug/l #	17
76) 1,2,3-Trichloropropane	12.50	75	47180	52.485	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	47180	99.573	ug/l #	17

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

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B2-(1.5-2)RE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

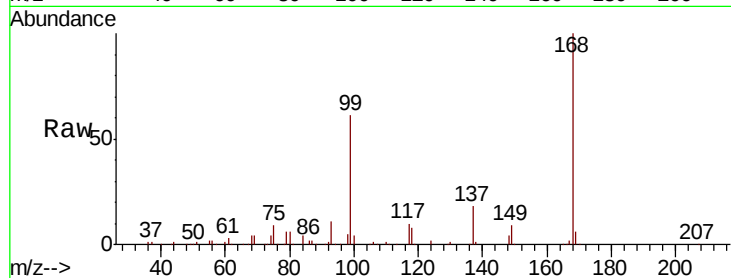
B2-(1.5-2)RE

Tot Ion:168 Resp: 144179

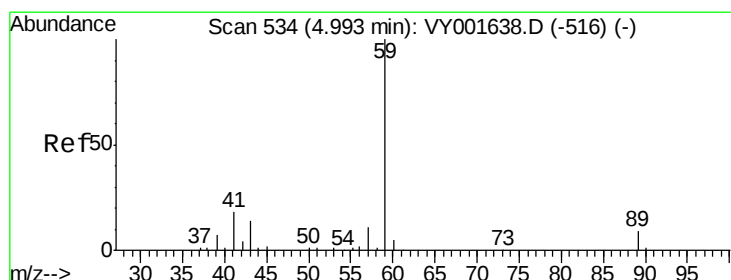
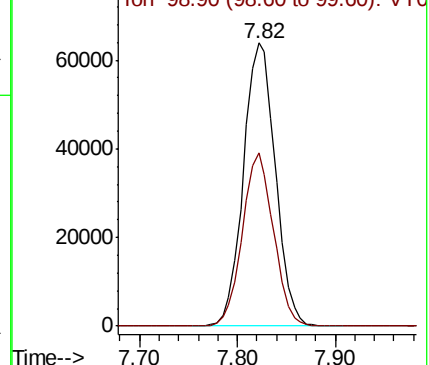
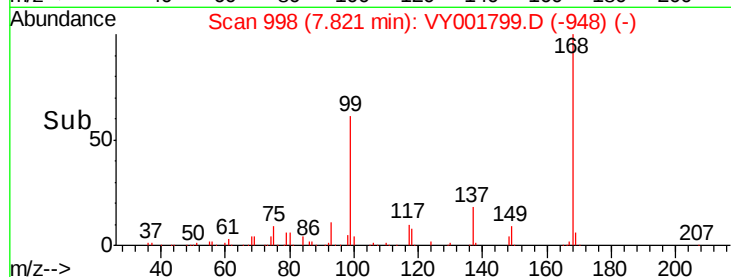
Ion Ratio Lower Upper

168 100

99 61.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001799.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001799.D

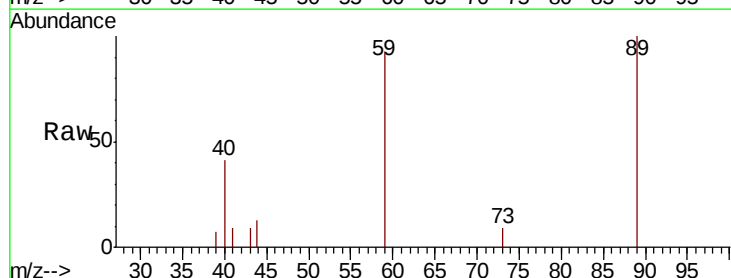
Acq: 28 Feb 2020 13:14

Tgt Ion: 59 Resp: 3019

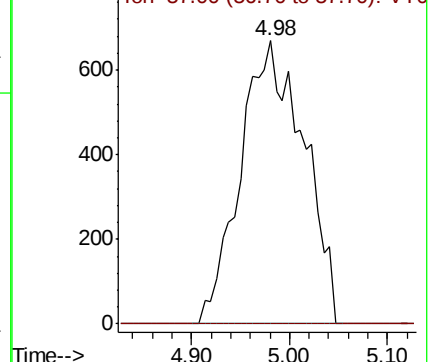
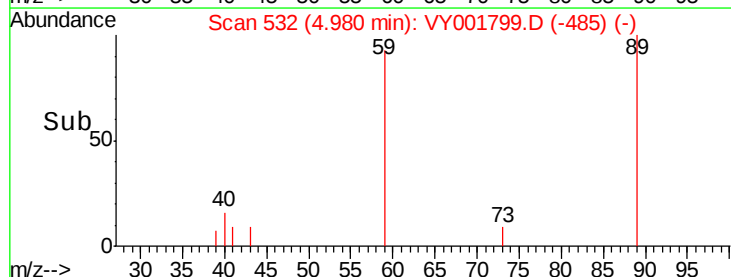
Ion Ratio Lower Upper

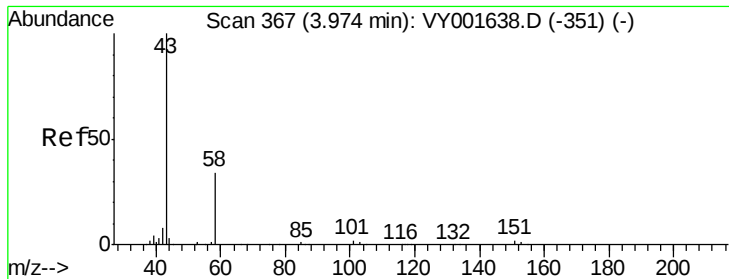
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001799.D (-485) (-)





#16

Acetone

Concen: 3.448 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

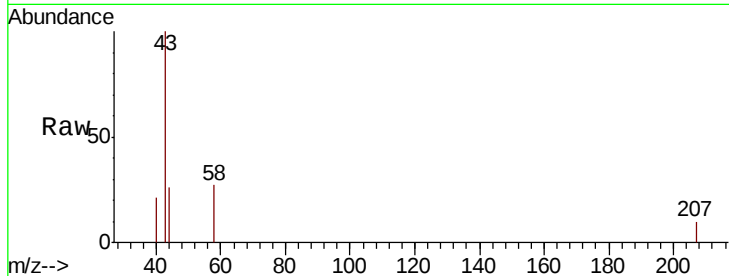
B2-(1.5-2)RE

Tot Ion: 43 Resp: 1850

Ion Ratio Lower Upper

43 100

58 27.2 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001799.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VY001799.D (-369) (-)

3.99

600

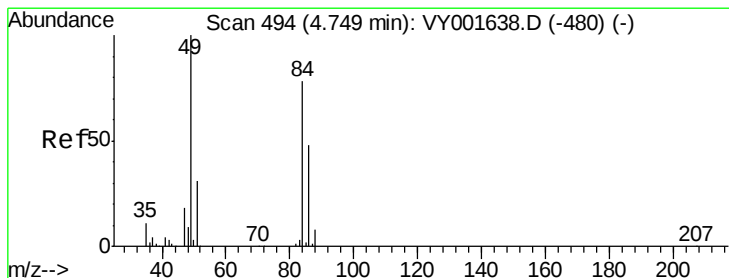
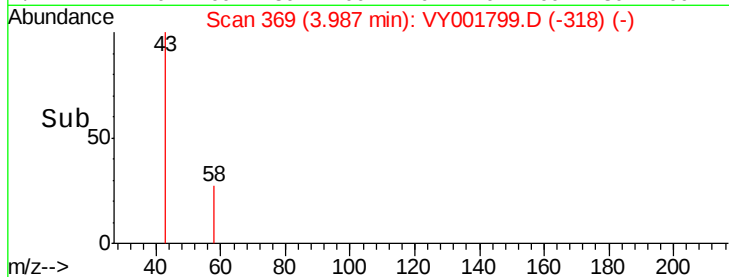
400

200

0

3.90 3.95 4.00 4.05 4.10

Time-->



#20

Methylene Chloride

Concen: 9.202 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

Tgt Ion: 84 Resp: 17540

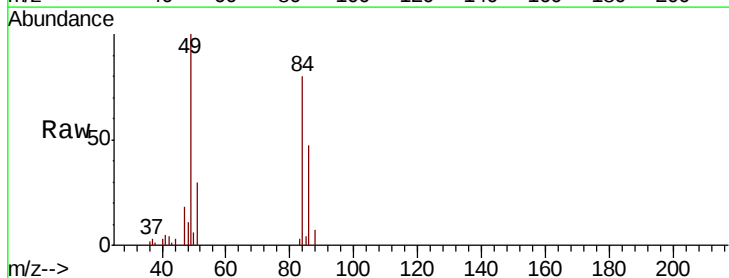
Ion Ratio Lower Upper

84 100

49 124.7 99.2 148.8

51 36.9 31.5 47.3

86 58.1 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001799.D (-496) (-)

Ion 48.90 (48.60 to 49.60): VY001799.D (-496) (-)

Ion 50.90 (50.60 to 51.60): VY001799.D (-496) (-)

Ion 85.90 (85.60 to 86.60): VY001799.D (-496) (-)

10000

8000

6000

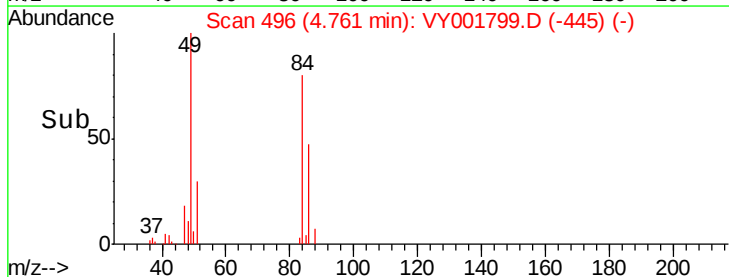
4000

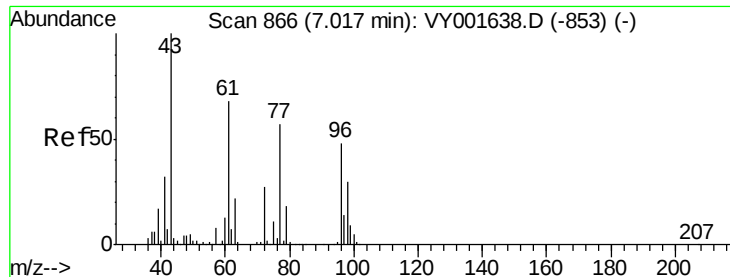
2000

0

4.70 4.76 4.80 4.90

Time-->





#25

2-Butanone

Concen: 1.922 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

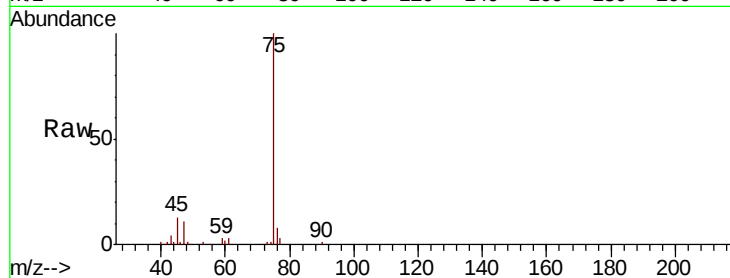
B2-(1.5-2)RE

Tot Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

600

500

400

300

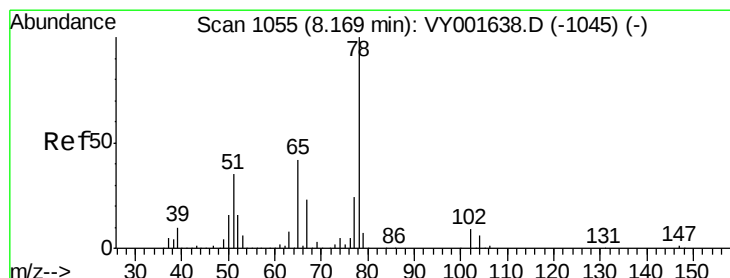
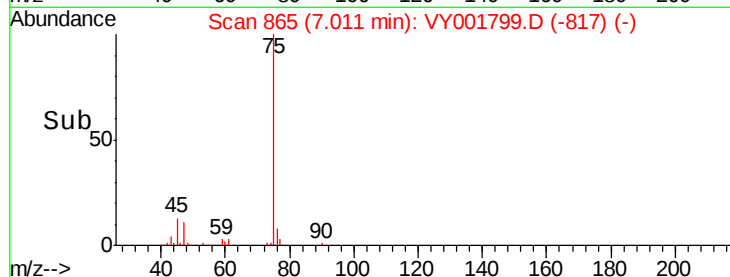
200

100

0

6.95 7.00 7.05 7.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.446 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001799.D

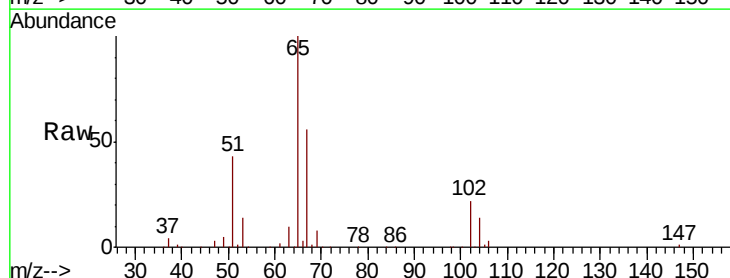
Acq: 28 Feb 2020 13:14

Tgt Ion: 65 Resp: 89091

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

40000

30000

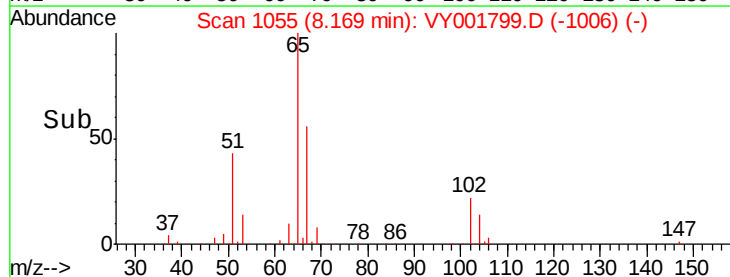
20000

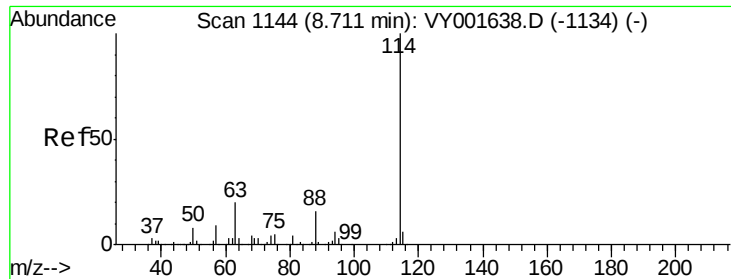
10000

0

8.10 8.20

Time-->

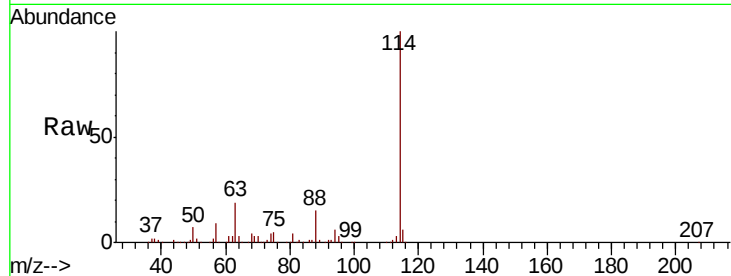




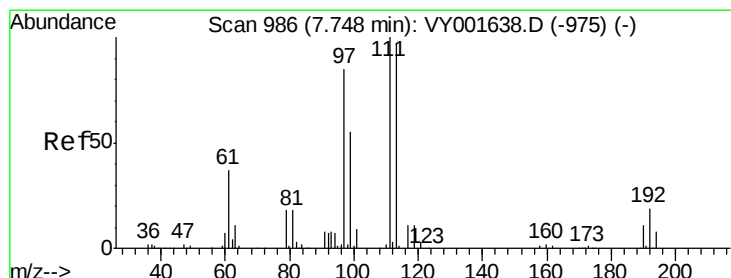
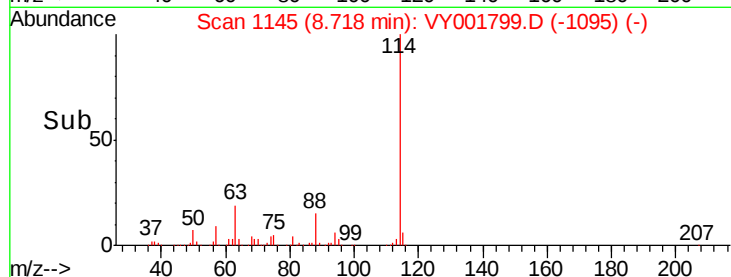
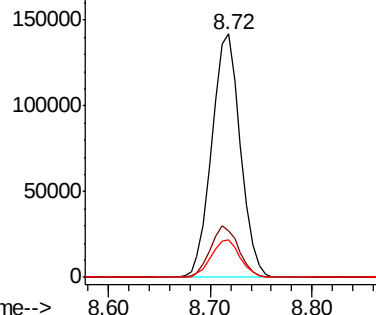
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001799.D
 Acq: 28 Feb 2020 13:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-(1.5-2)RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.4
88	15.2	0.0	32.8

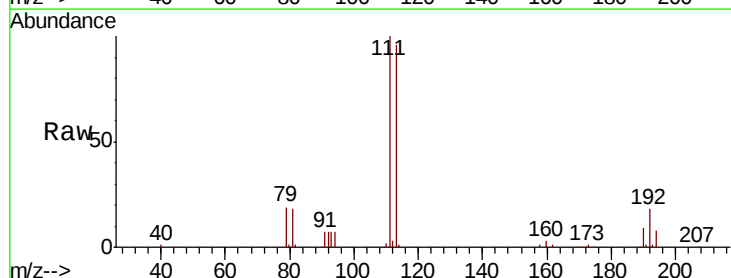


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

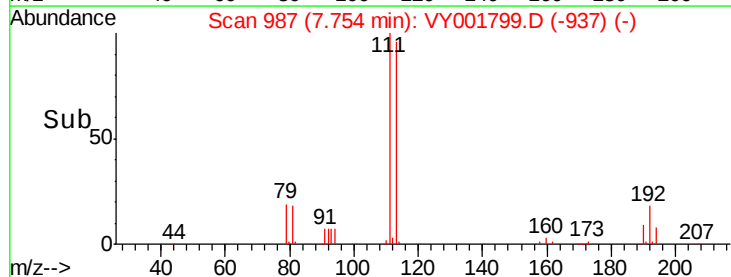
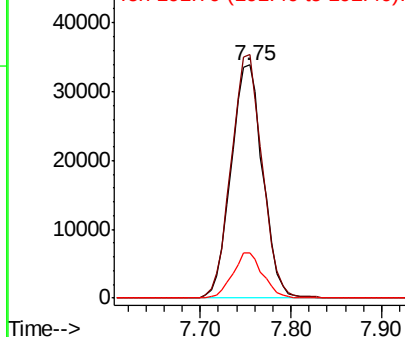


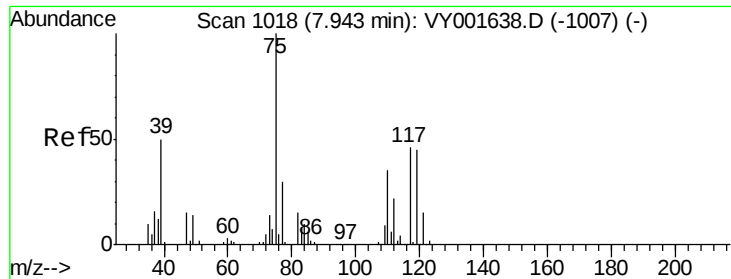
#35
 Dibromofluoromethane
 Concen: 51.727 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001799.D
 Acq: 28 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	18.4	14.3	21.5



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

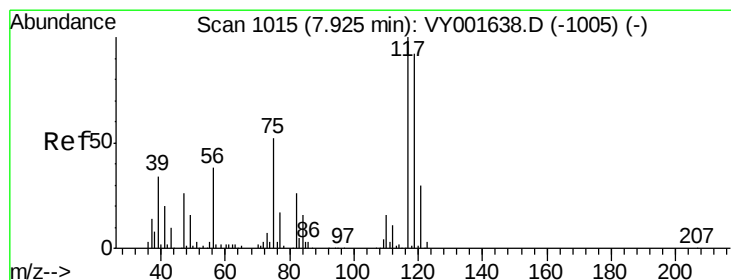
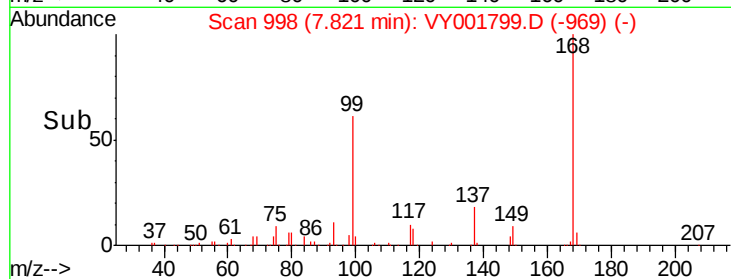
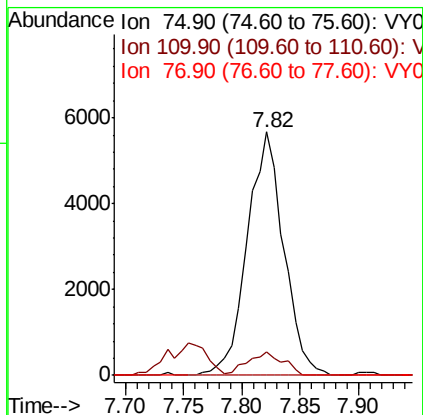
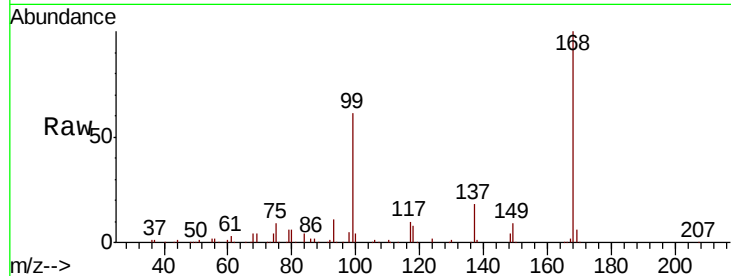




#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001799.D
 Acq: 28 Feb 2020 13:14

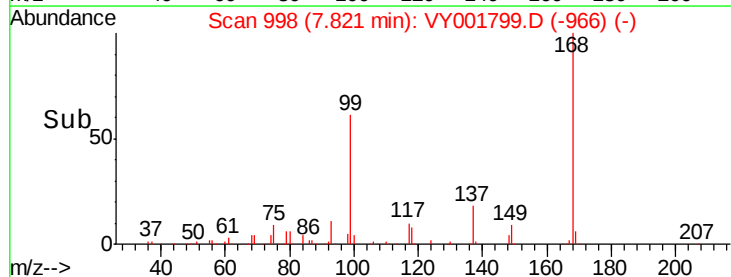
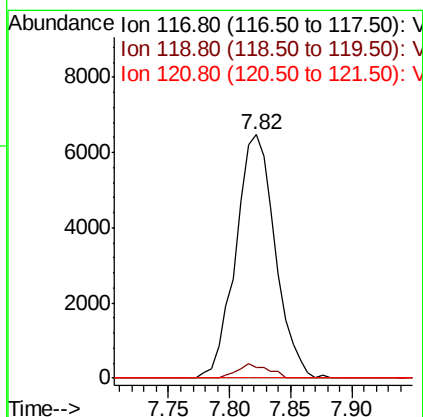
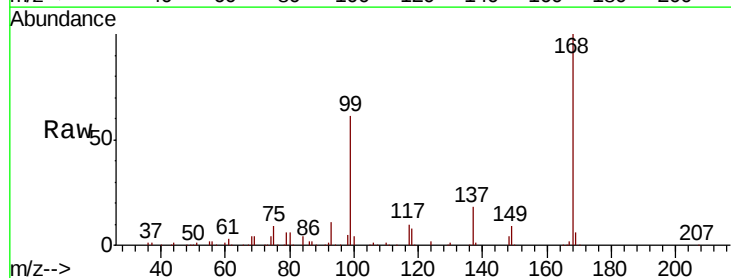
Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-(1.5-2)RE

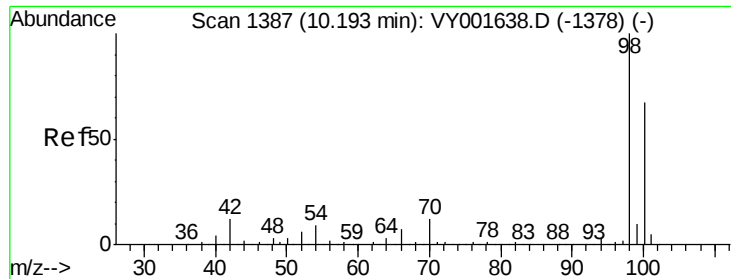
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.238 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001799.D
 Acq: 28 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.285 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

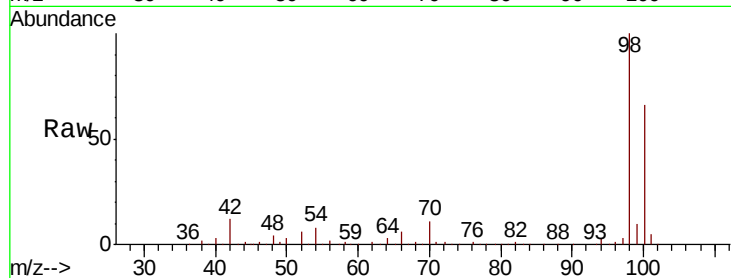
B2-(1.5-2)RE

Tot Ion: 98 Resp: 330764

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001638.D (-1378) (-)

10.20

200000

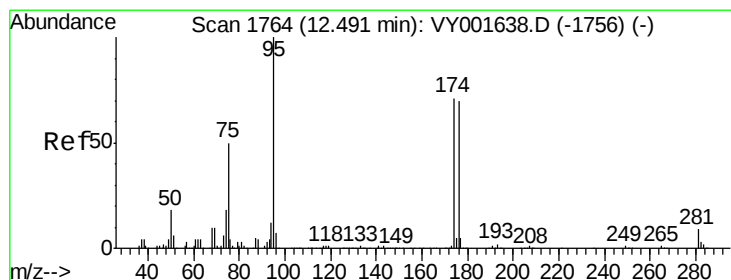
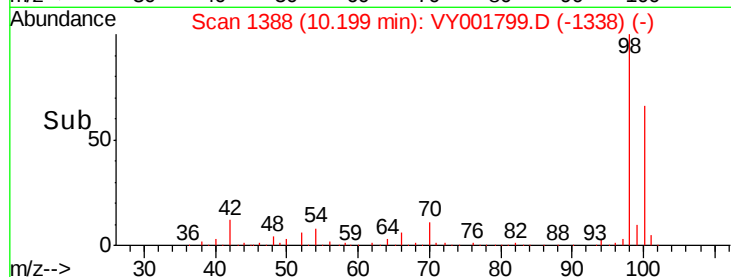
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.868 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

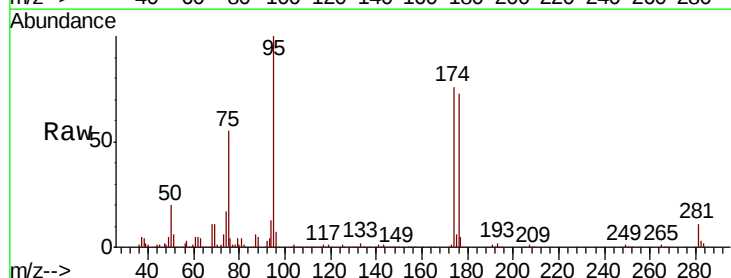
Tgt Ion: 95 Resp: 91320

Ion Ratio Lower Upper

95 100

174 73.5 0.0 138.4

176 70.2 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)

12.50

80000

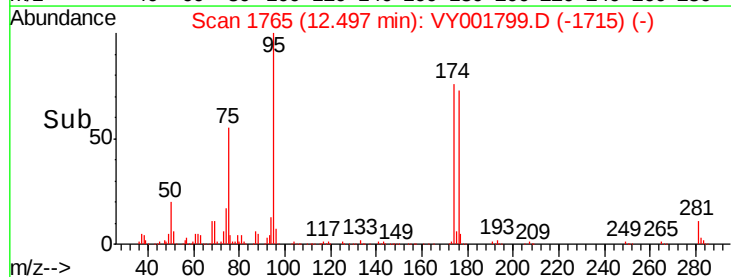
60000

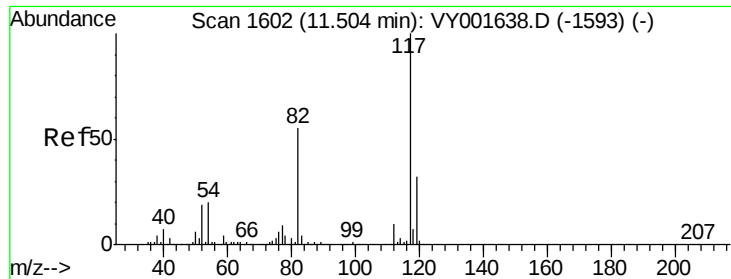
40000

20000

0

Time-->

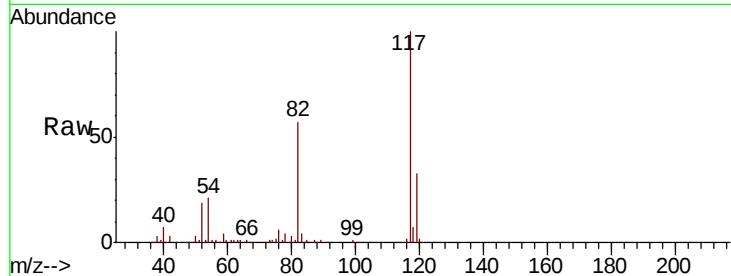




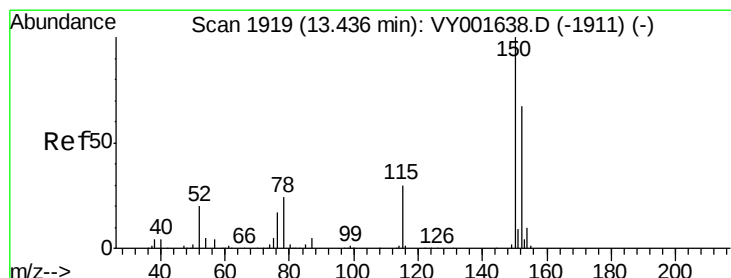
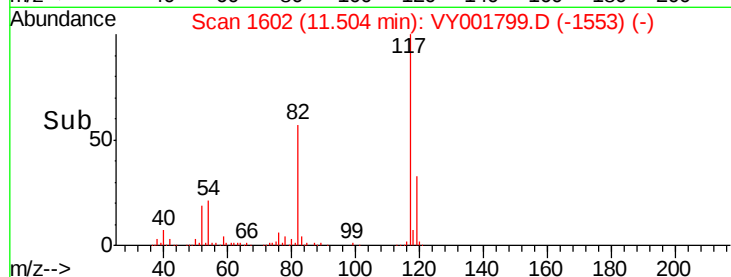
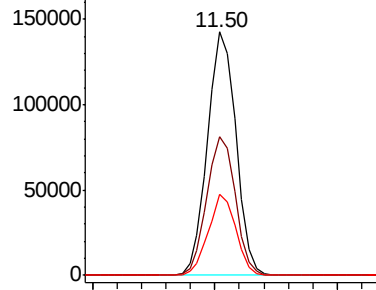
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001799.D
Acq: 28 Feb 2020 13:14

Instrument :
MSVOA_Y
ClientSampleId :
B2-(1.5-2)RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.5	68.3
119	33.1	25.8	38.6

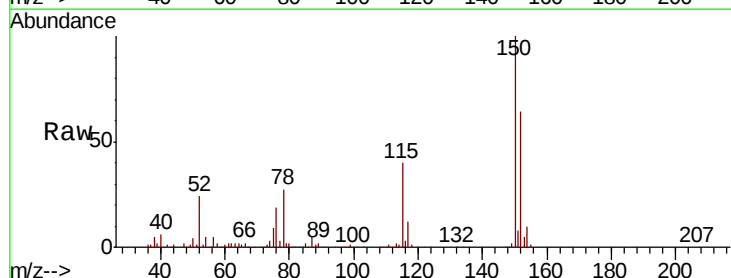


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

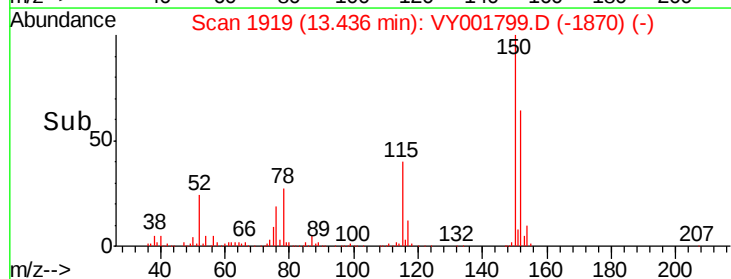
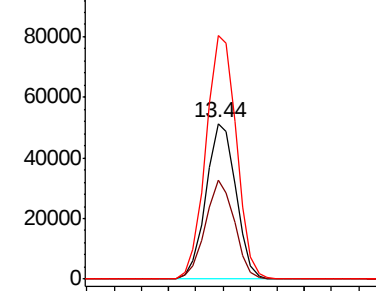


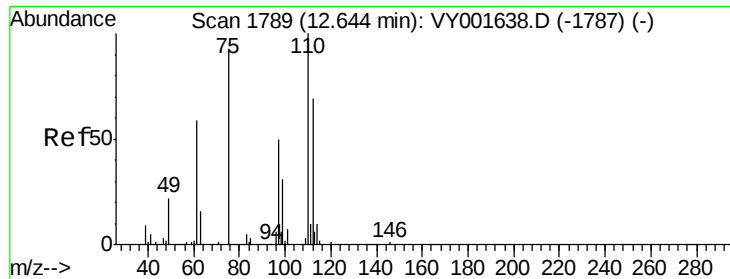
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001799.D
Acq: 28 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.4	94.2
150	159.9	0.0	407.2



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: 52.485 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

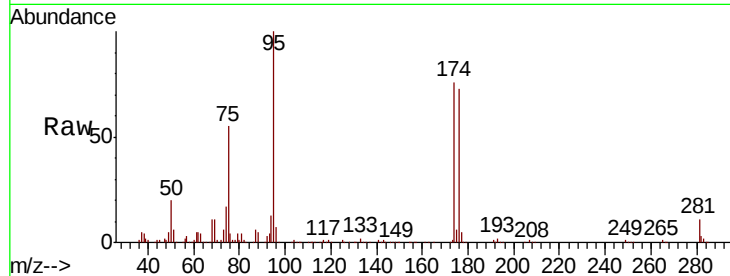
B2-(1.5-2)RE

Tot Ion: 75 Resp: 47180

Ion Ratio Lower Upper

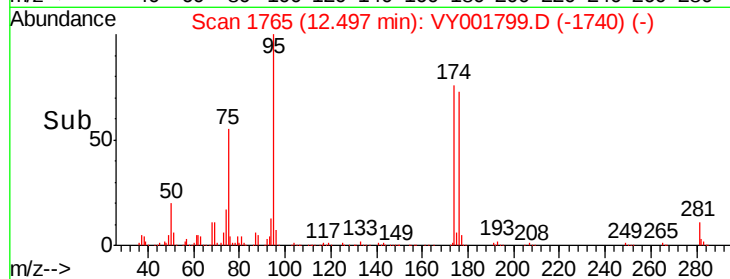
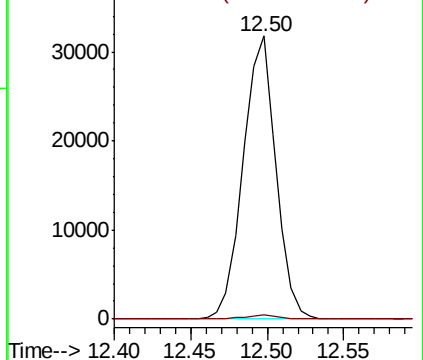
75 100

77 1.5 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: 99.573 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001799.D

Acq: 28 Feb 2020 13:14

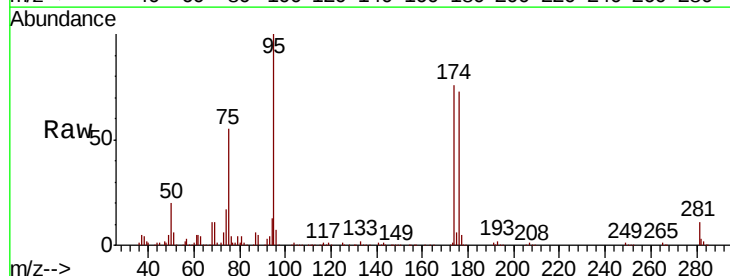
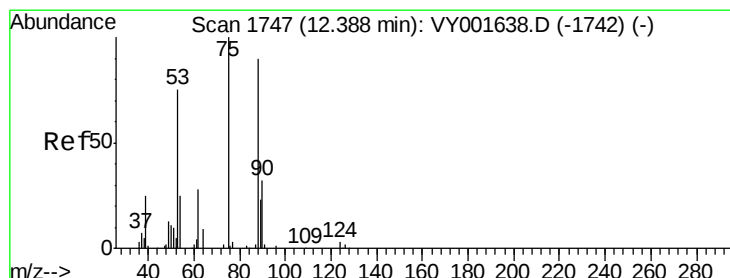
Tgt Ion: 75 Resp: 47180

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#



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

