

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001566.D
 Acq On : 07 Feb 2020 19:44
 Operator : SY/MD
 Sample : L1472-04
 Misc : 13.6G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:28:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

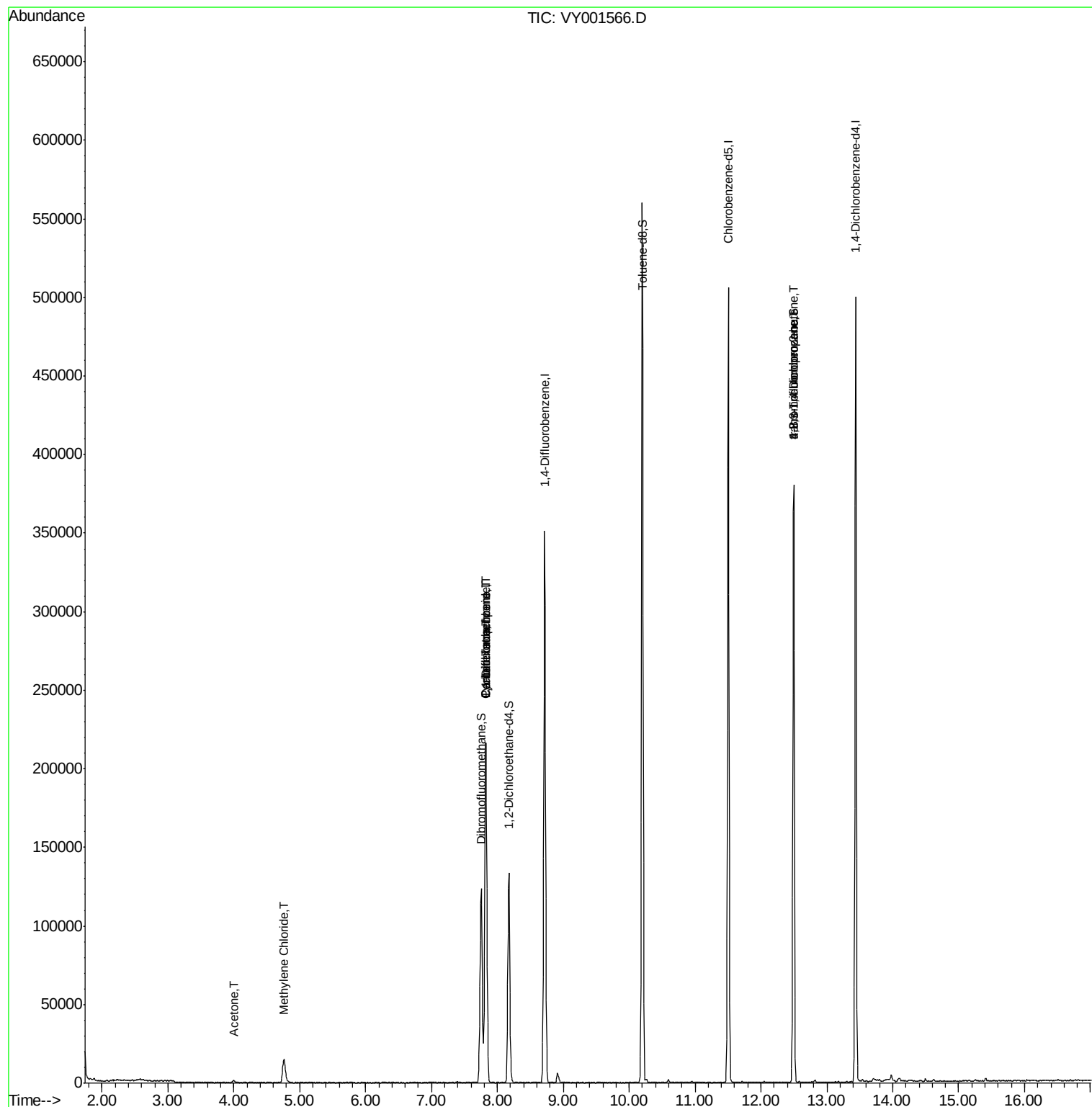
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	169581	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	303905	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	269050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	123052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	98320	57.58	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.16%	
35) Dibromofluoromethane	7.75	113	88350	50.41	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.20	98	359553	54.23	ug/l	0.01
Spiked Amount 50.000			Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.50	95	124515	47.67	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.00	59	80	Below Cal	#	76
16) Acetone	3.99	43	2451	4.963	ug/l #	85
20) Methylene Chloride	4.76	84	11014	1.070	ug/l #	86
31) Cyclohexane	7.82	56	3673	1.105	ug/l #	20
36) 1,1-Dichloropropene	7.82	75	13436	4.833	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16481	6.127	ug/l #	17
76) 1,2,3-Trichloropropane	12.50	75	63036	47.635	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	63036	92.172	ug/l #	16

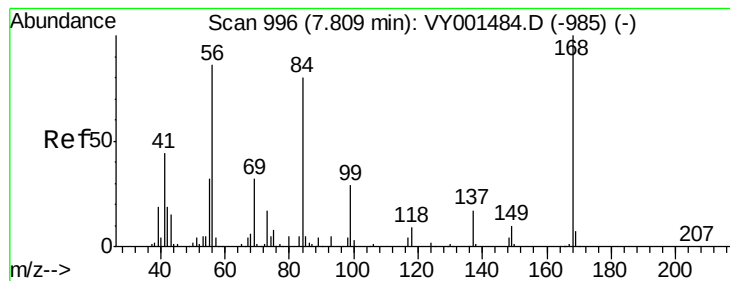
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

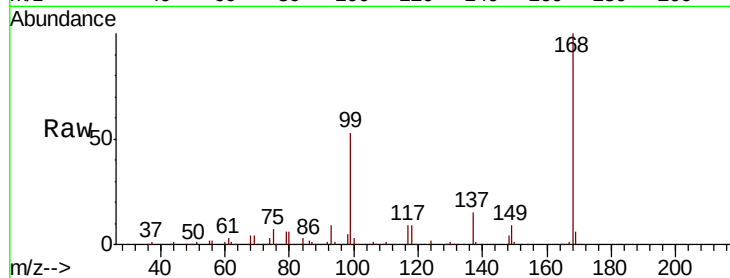
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 169581

Ion Ratio Lower Upper

168 100

99 53.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.83

80000

60000

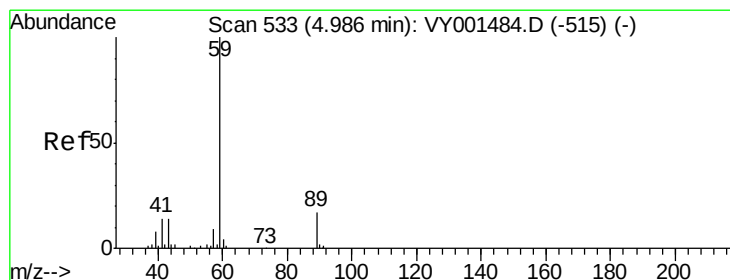
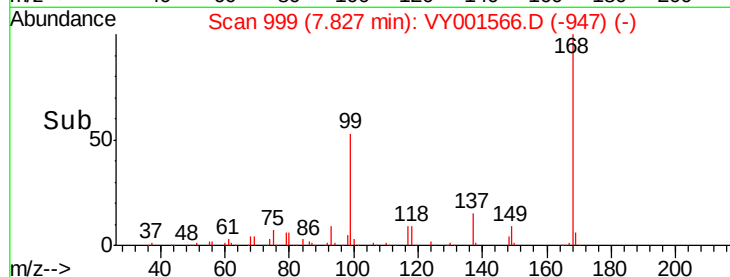
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 536

Delta R.T. 0.02 min

Lab File: VY001566.D

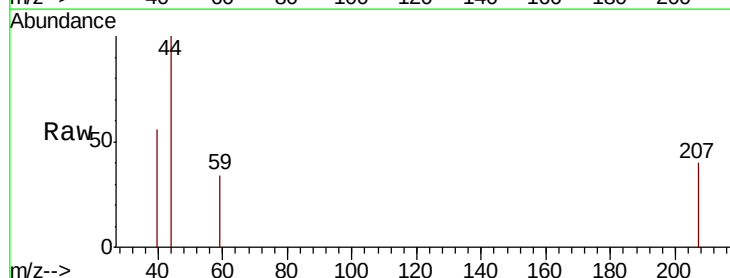
Acq: 07 Feb 2020 19:44

Tgt Ion: 59 Resp: 80

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)

5.00

80

60

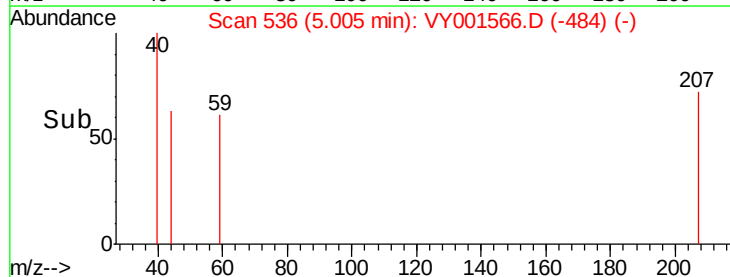
40

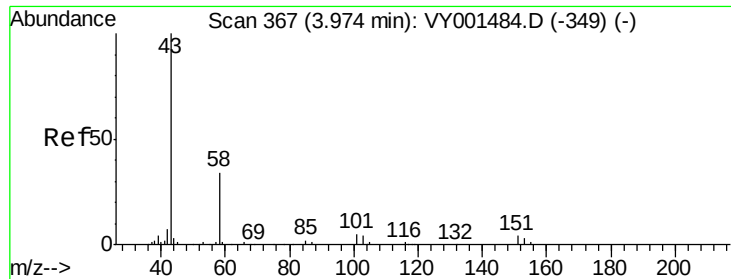
20

0

Time-->

4.98 5.00 5.02 5.04





#16

Acetone

Concen: 4.963 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

Instrument :

MSVOA_Y

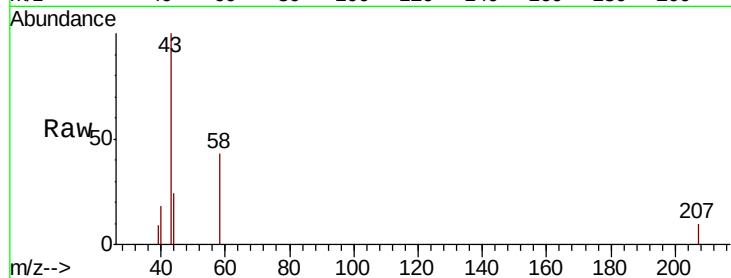
ClientSampled :

Tot Ion: 43 Resp: 2451

Ion Ratio Lower Upper

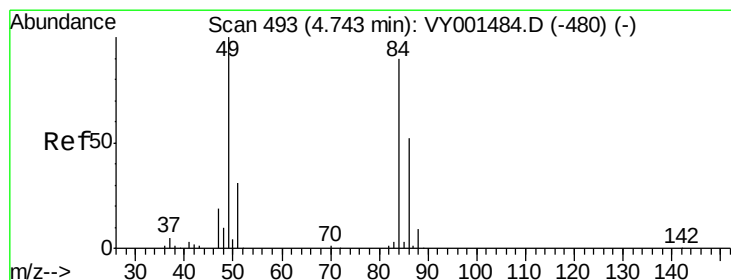
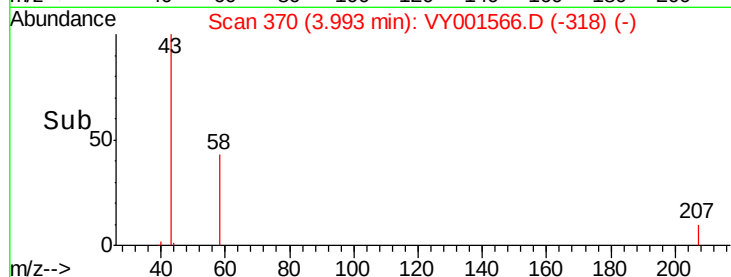
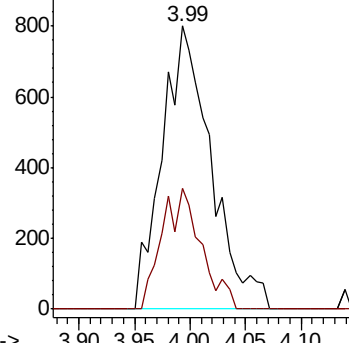
43 100

58 42.9 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY001566.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VY001566.D (-370) (-)



#20

Methylene Chloride

Concen: 1.070 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.02 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

Tgt Ion: 84 Resp: 11014

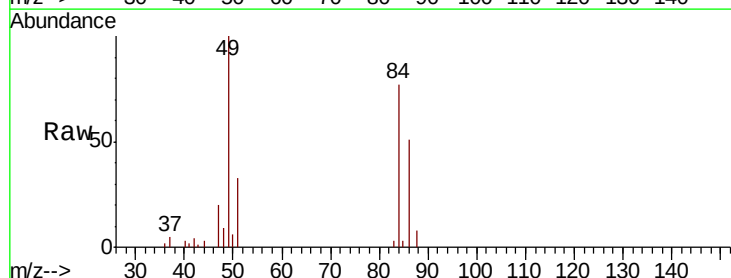
Ion Ratio Lower Upper

84 100

49 129.3 89.0 133.6

51 42.7 27.4 41.2#

86 65.5 46.6 70.0

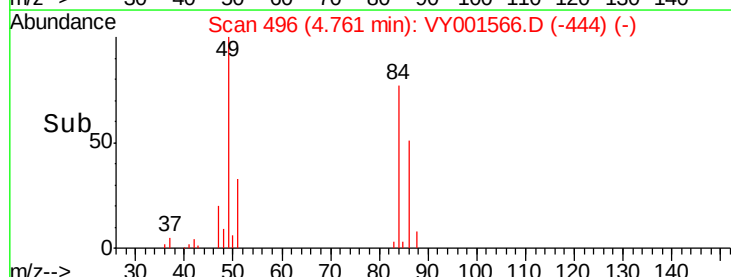
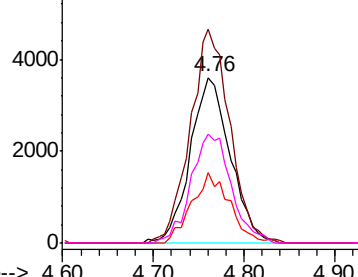


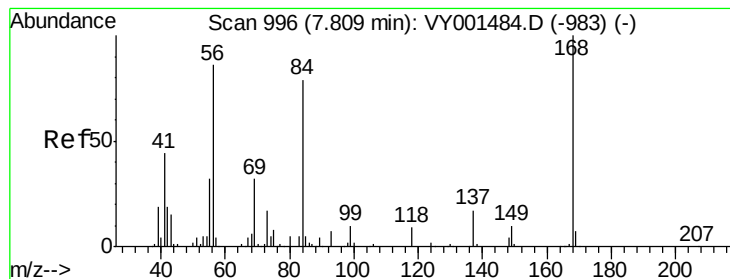
Abundance Ion 83.90 (83.60 to 84.60): VY001566.D (-496) (-)

Ion 48.90 (48.60 to 49.60): VY001566.D (-496) (-)

Ion 50.90 (50.60 to 51.60): VY001566.D (-496) (-)

Ion 85.90 (85.60 to 86.60): VY001566.D (-496) (-)





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

Instrument :

MSVOA_Y

ClientSampled :

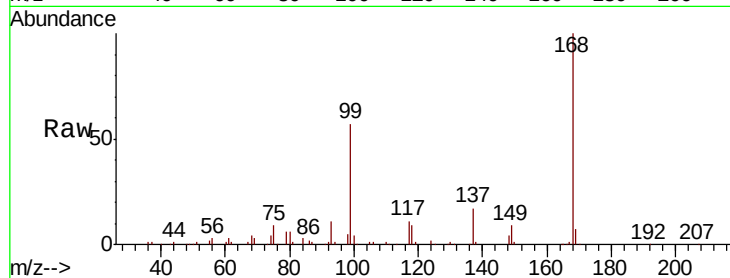
Tot Ion: 56 Resp: 3673

Ion Ratio Lower Upper

56 100

69 135.6 29.6 44.4#

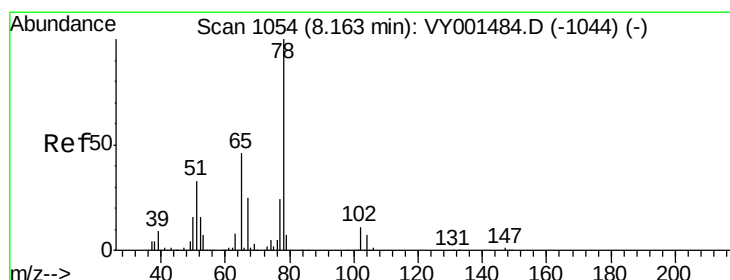
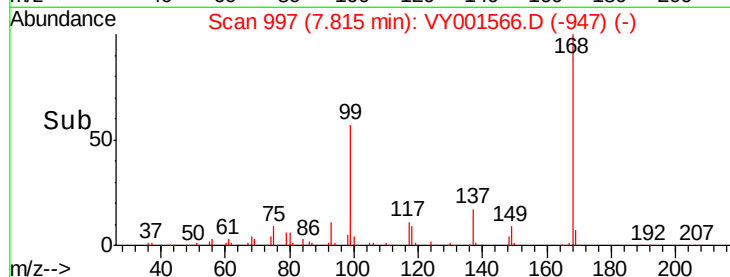
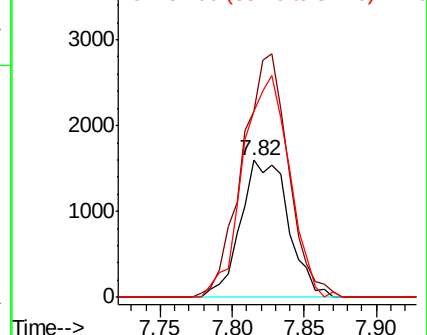
84 135.3 73.6 110.4#



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: 57.583 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001566.D

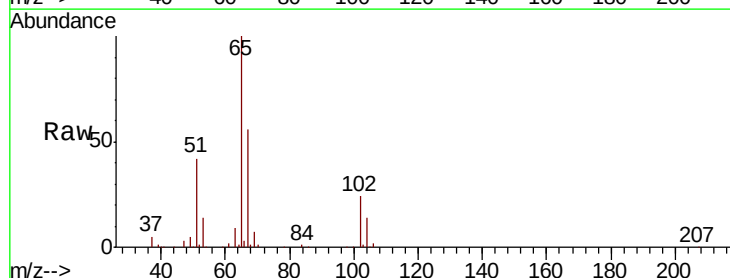
Acq: 07 Feb 2020 19:44

Tgt Ion: 65 Resp: 98320

Ion Ratio Lower Upper

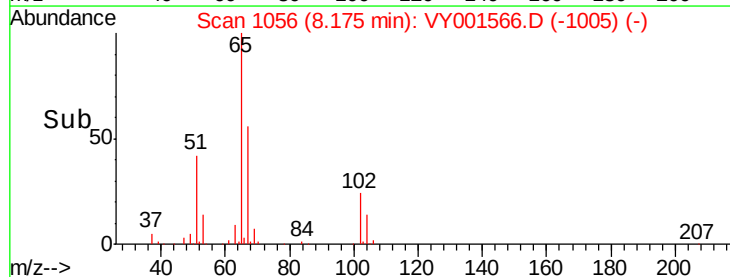
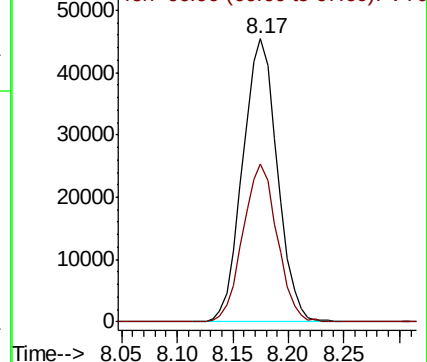
65 100

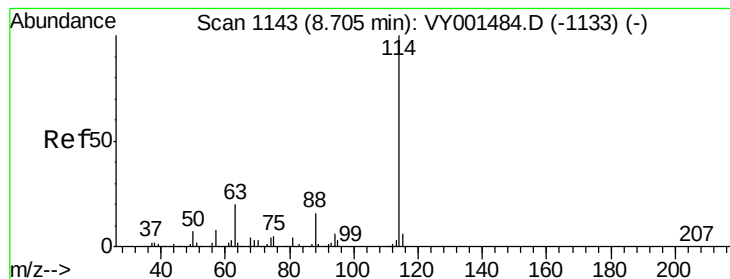
67 55.1 0.0 108.6



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: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

Instrument :

MSVOA_Y

ClientSampleId :

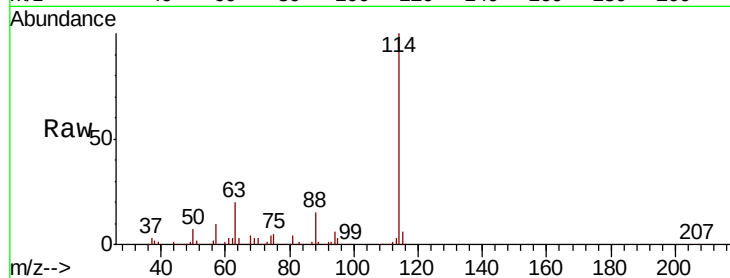
Tot Ion:114 Resp: 303905

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

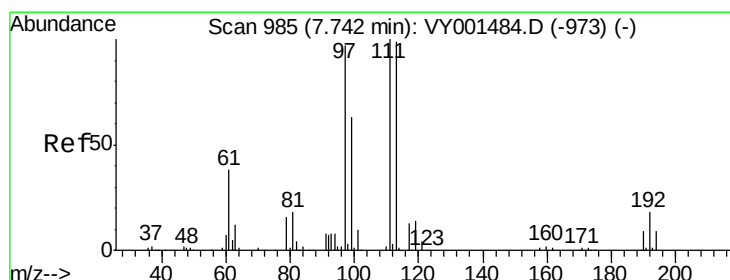
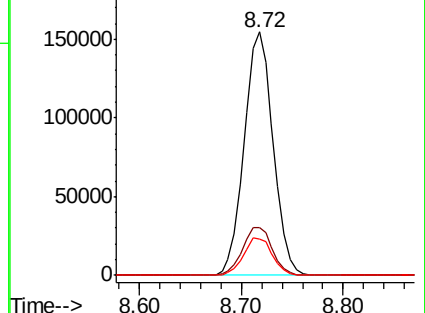
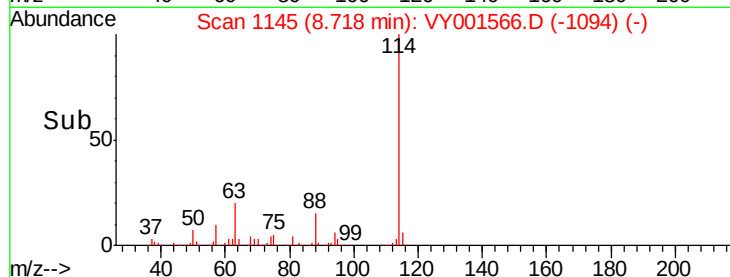
88 15.0 0.0 32.6



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: 50.415 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

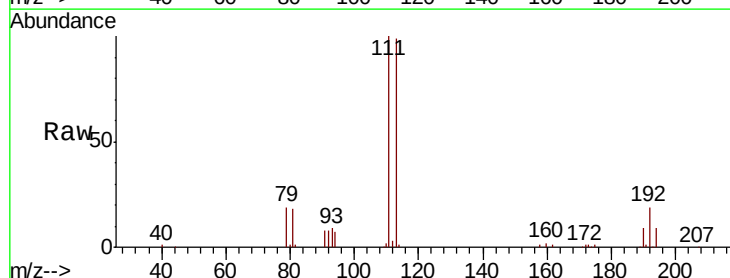
Tgt Ion:113 Resp: 88350

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

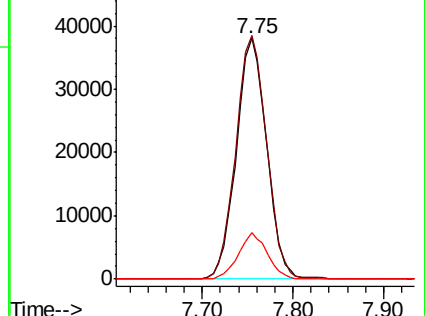
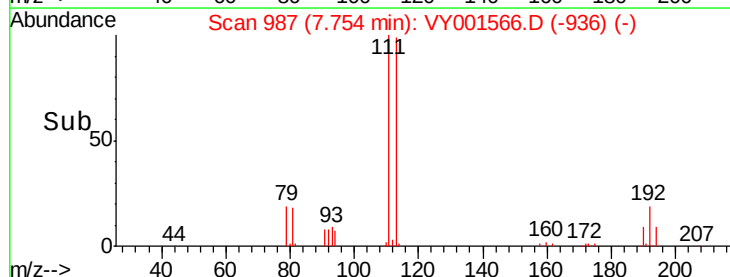
192 18.3 14.6 22.0

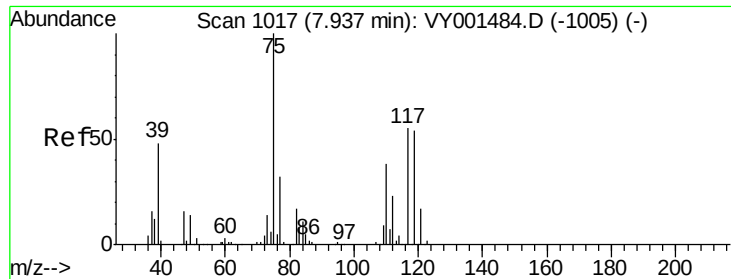


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

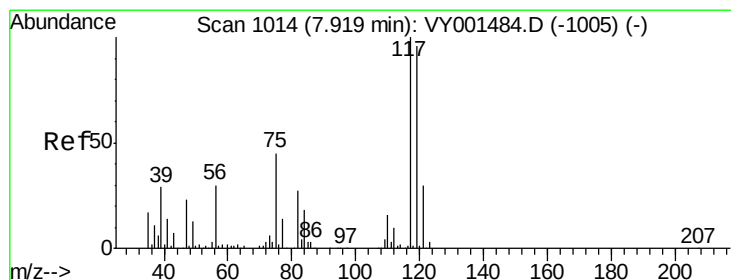
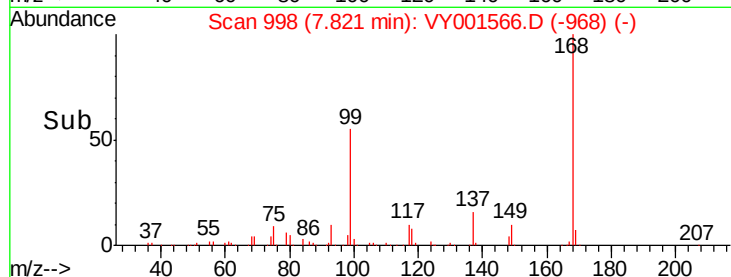
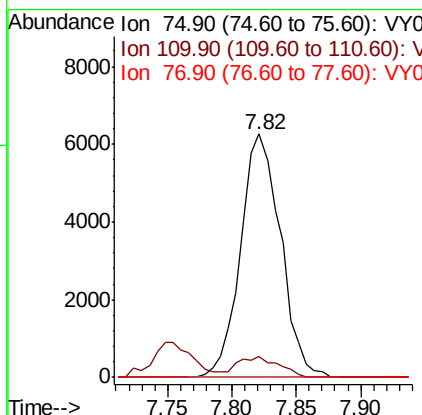
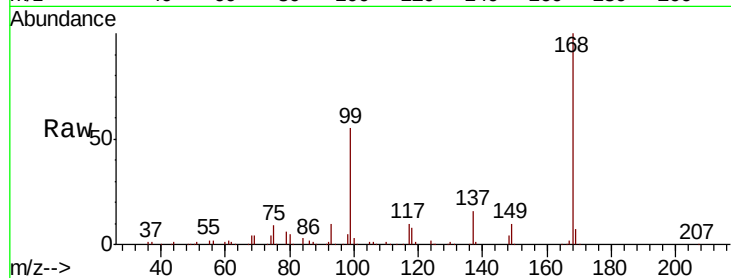




#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001566.D
 Acq: 07 Feb 2020 19:44

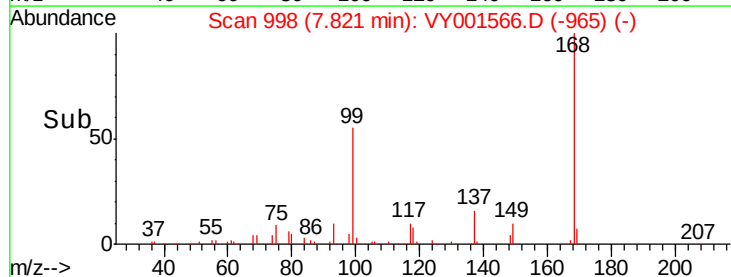
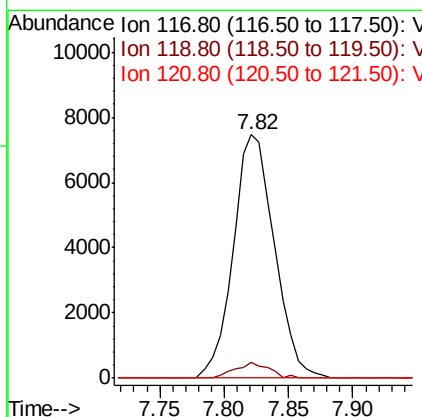
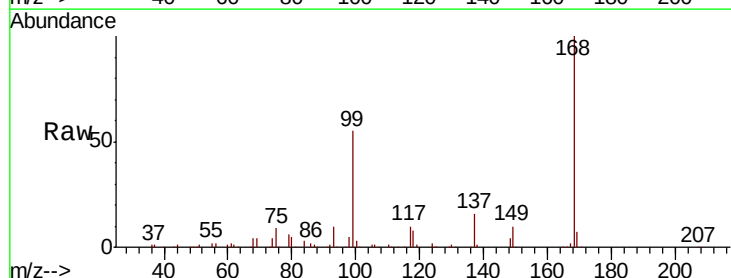
Instrument :
 MSVOA_Y
 ClientSampleId :

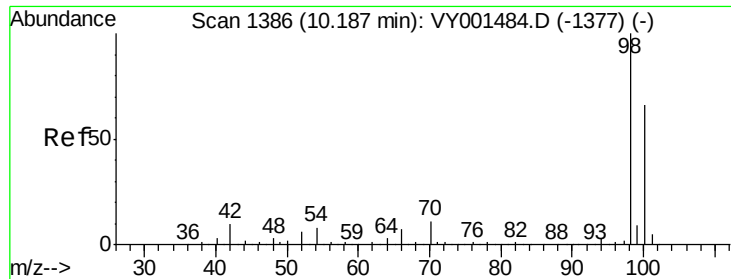
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.127 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001566.D
 Acq: 07 Feb 2020 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 54.229 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

Instrument :

MSVOA_Y

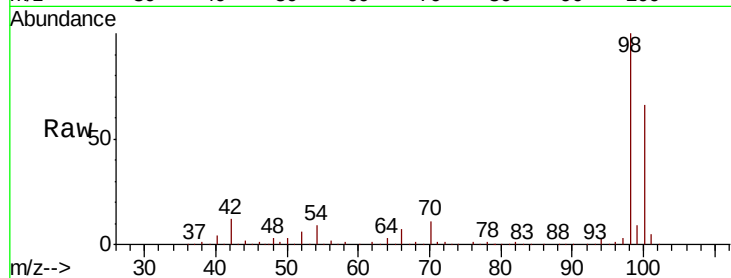
ClientSampleId :

Tot Ion: 98 Resp: 359553

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001566.D (-1337) (-)

10.20

250000

200000

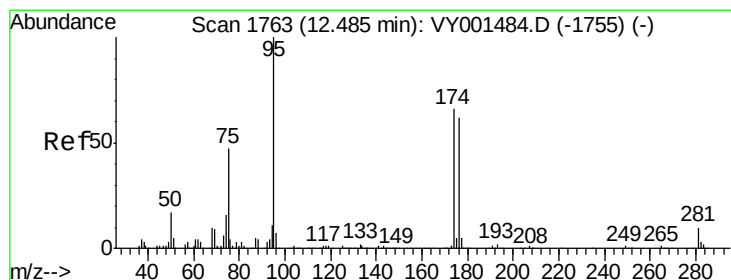
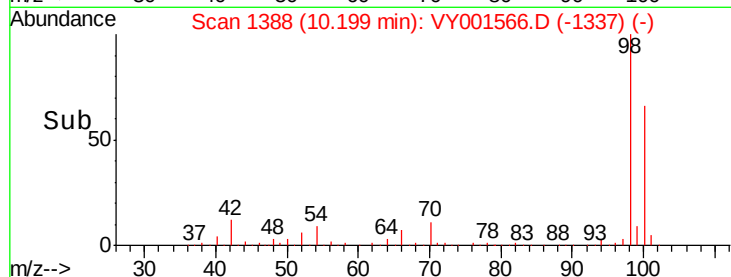
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.671 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001566.D

Acq: 07 Feb 2020 19:44

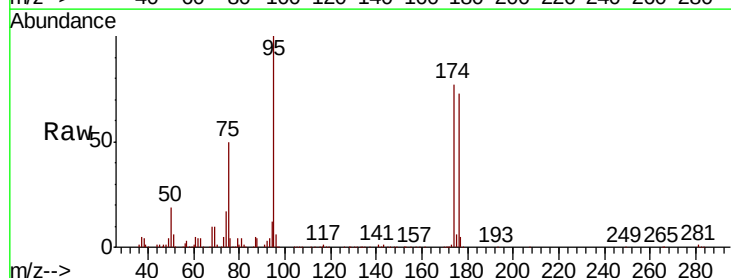
Tgt Ion: 95 Resp: 124515

Ion Ratio Lower Upper

95 100

174 74.7 0.0 141.4

176 72.7 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY001484.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001566.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001566.D (-1714) (-)

12.50

100000

80000

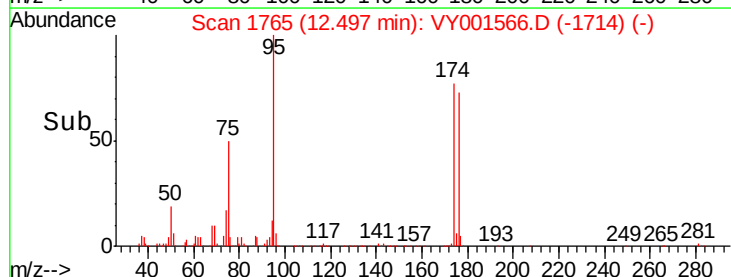
60000

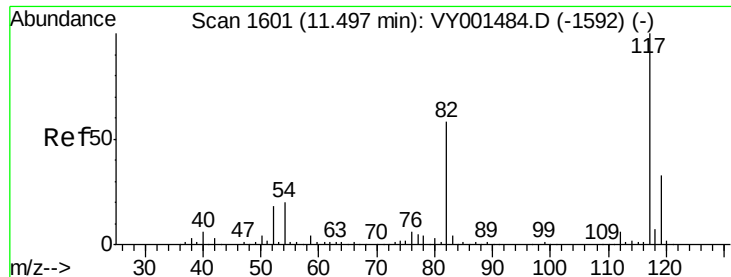
40000

20000

0

Time-->

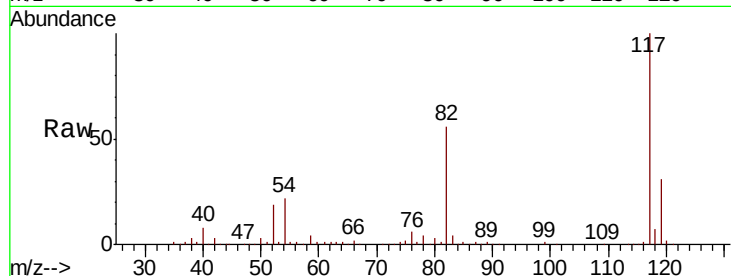




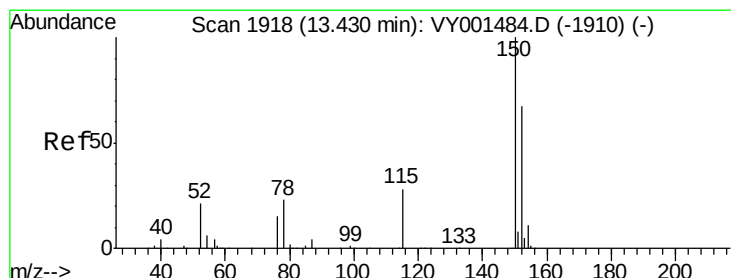
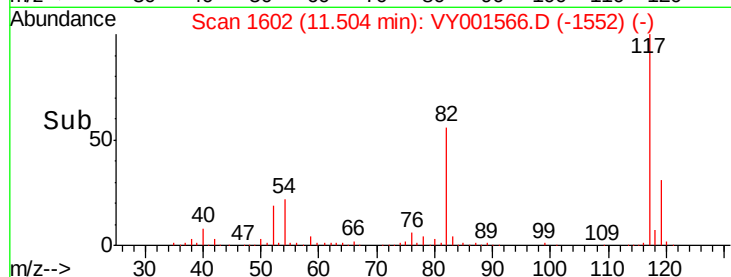
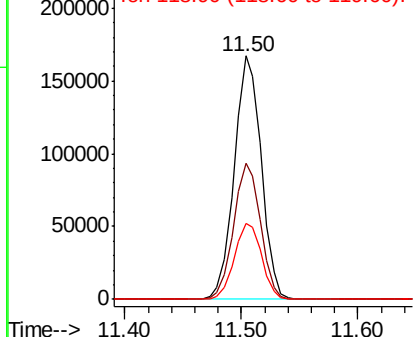
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001566.D
Acq: 07 Feb 2020 19:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 269050
Ion Ratio Lower Upper
117 100
82 55.8 46.1 69.1
119 31.2 26.1 39.1

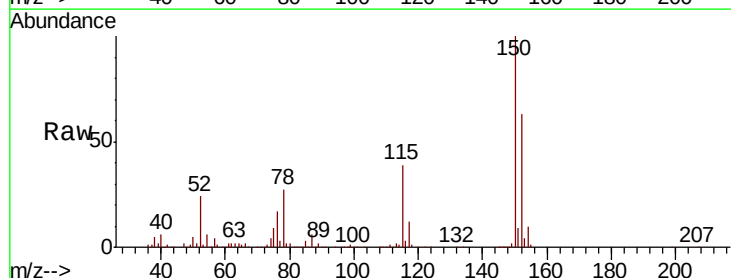


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

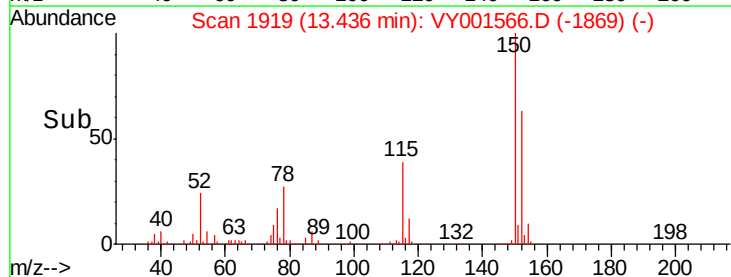
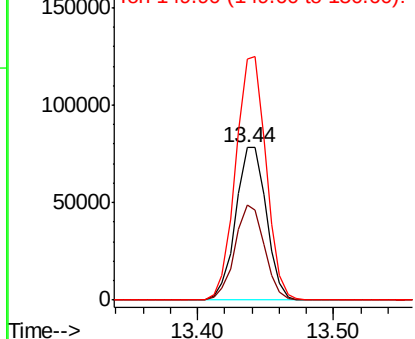


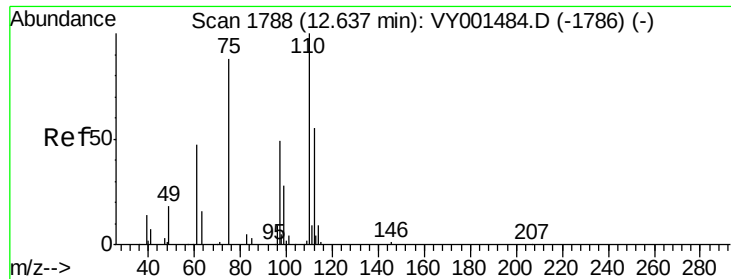
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001566.D
Acq: 07 Feb 2020 19:44

Tgt Ion:152 Resp: 123052
Ion Ratio Lower Upper
152 100
115 59.8 31.4 94.3
150 158.1 0.0 346.8



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



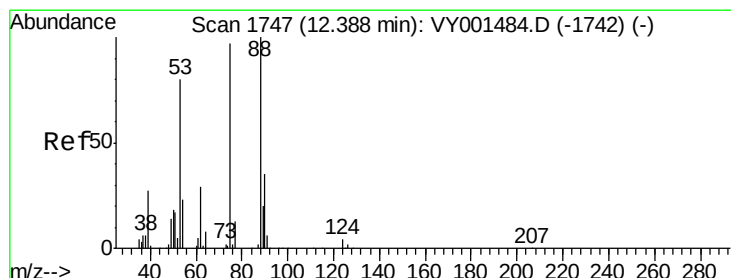
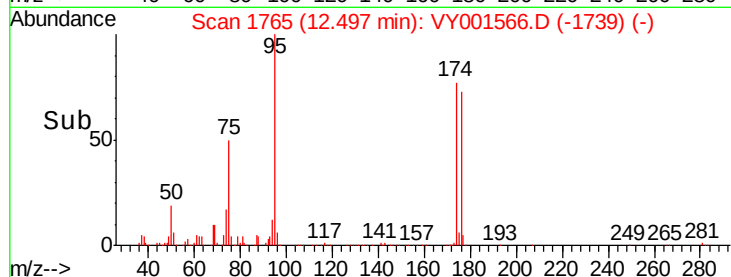
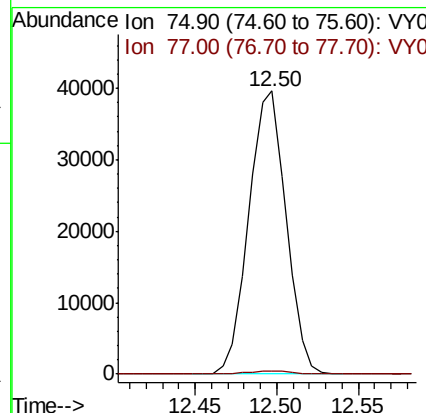
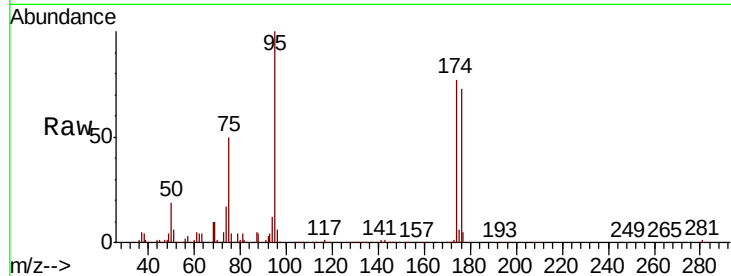


#76

1,2,3-Trichloropropane
Concen: 47.635 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. -0.14 min
Lab File: VY001566.D
Acq: 07 Feb 2020 19:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 63036
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 92.172 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.11 min
Lab File: VY001566.D
Acq: 07 Feb 2020 19:44

Tgt Ion: 75 Resp: 63036
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 34.6 52.0#

