

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022620\
 Data File : VY001787.D
 Acq On : 26 Feb 2020 17:14
 Operator : SY/MD
 Sample : L1697-04
 Misc : 6.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 27 02:26:07 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	152887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	103293	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	90421	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
35) Dibromofluoromethane	7.74	113	82989	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.19	98	344456	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
62) 4-Bromofluorobenzene	12.49	95	112312	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	

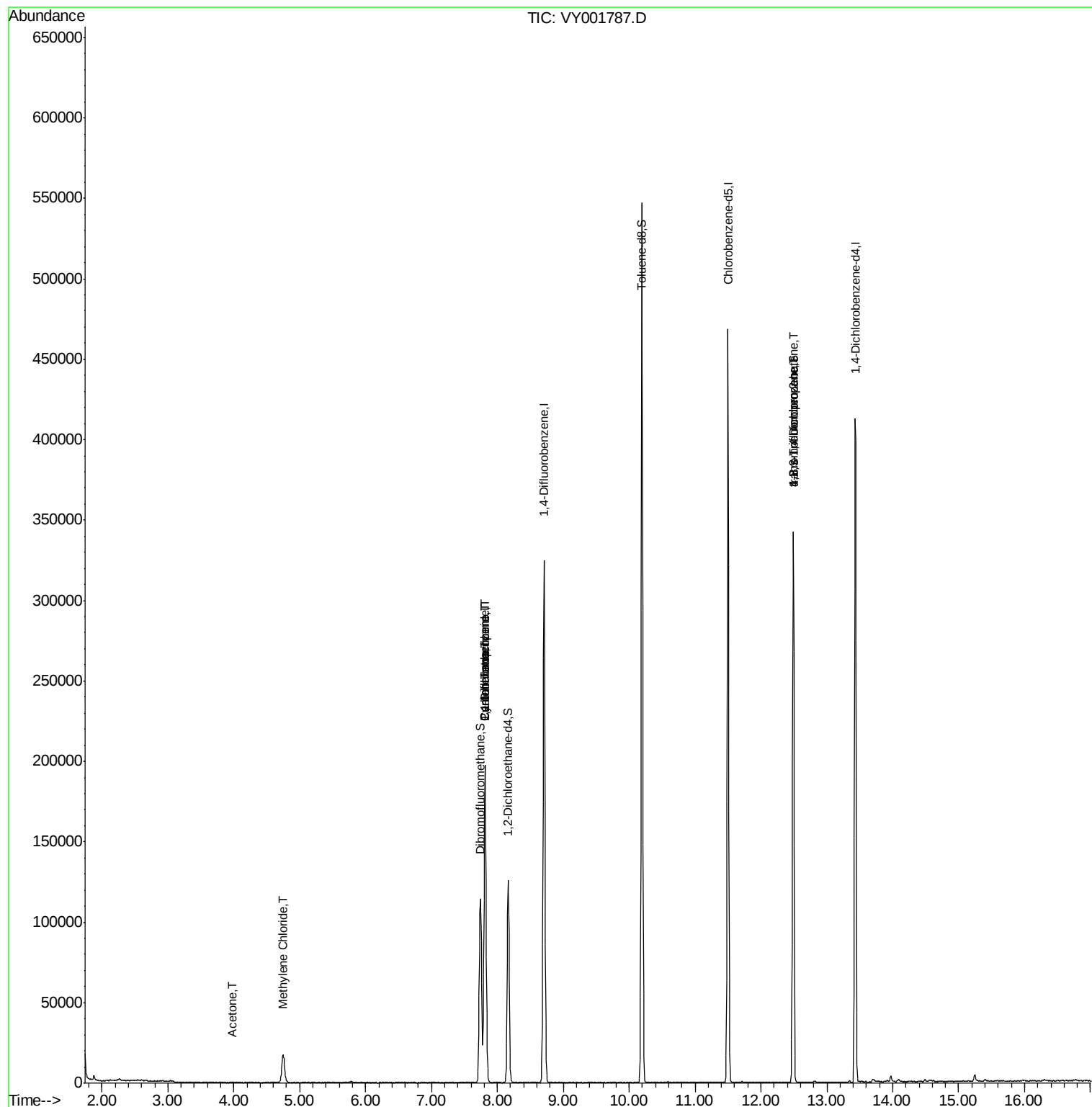
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	20	Below Cal	#	74
16) Acetone	3.97	43	656	1.153	ug/l	94
20) Methylene Chloride	4.74	84	12866	6.366	ug/l	95
31) Cyclohexane	7.81	56	3549	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12593	4.625	ug/l #	51
38) Carbon Tetrachloride	7.82	117	15019	6.279	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	56899	48.020	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56899	91.102	ug/l #	17

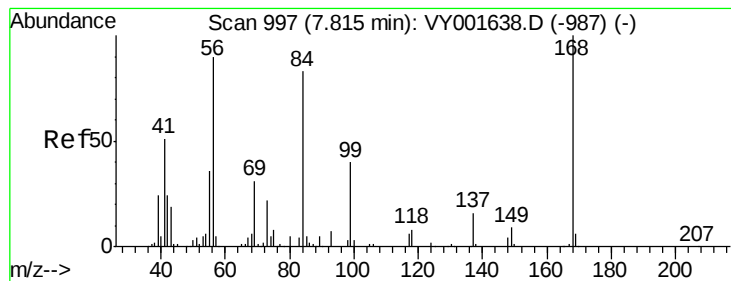
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

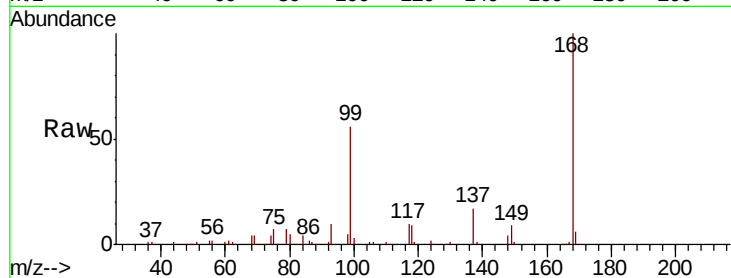
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 152887

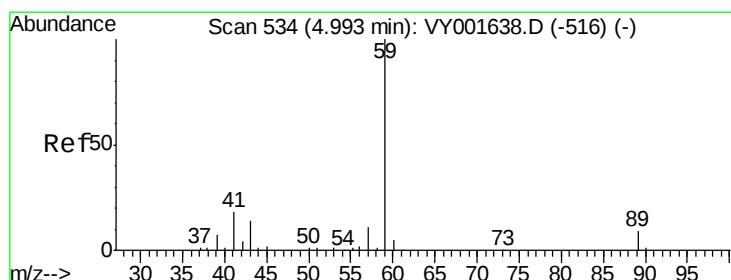
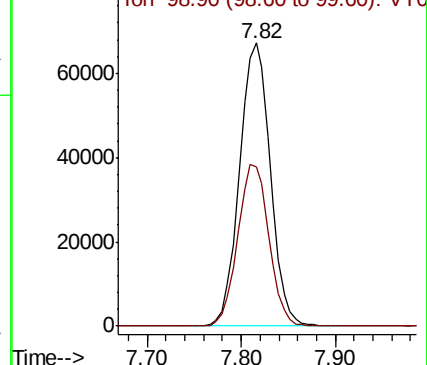
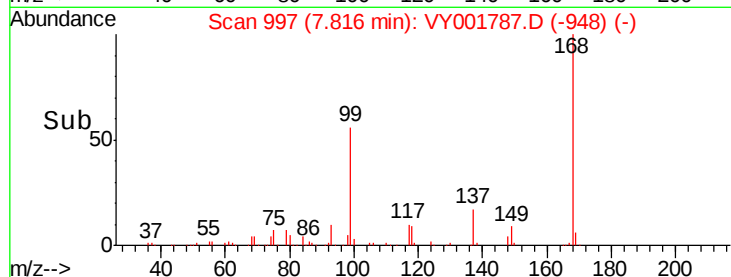
Ion Ratio Lower Upper

168 100

99 56.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001787.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001787.D

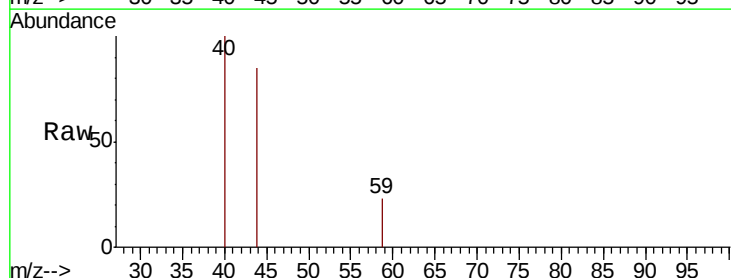
Acq: 26 Feb 2020 17:14

Tgt Ion: 59 Resp: 20

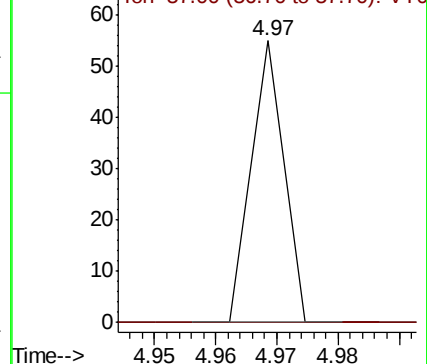
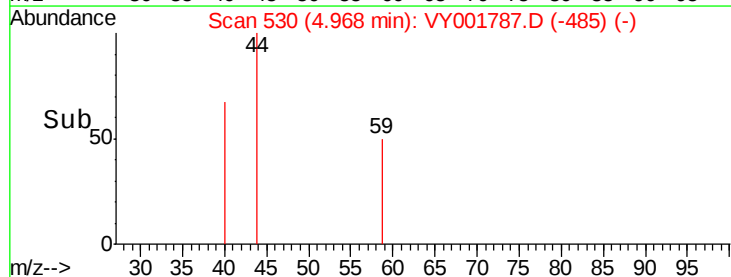
Ion Ratio Lower Upper

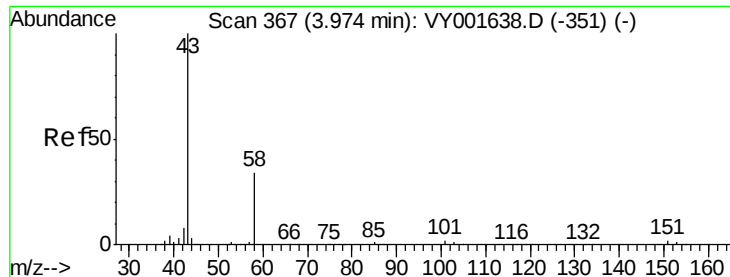
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001787.D (-485) (-)





#16

Acetone

Concen: 1.153 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

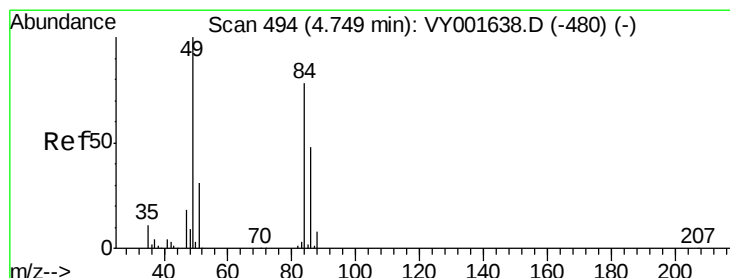
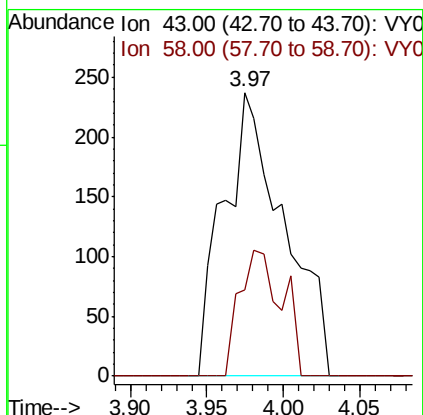
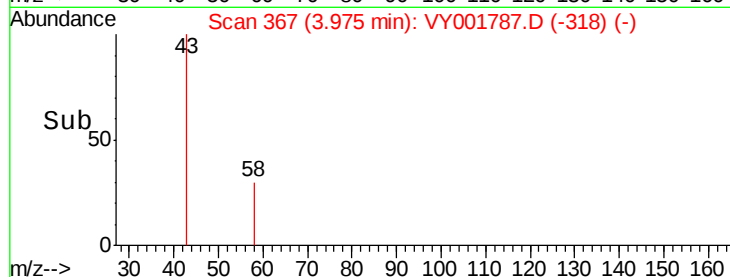
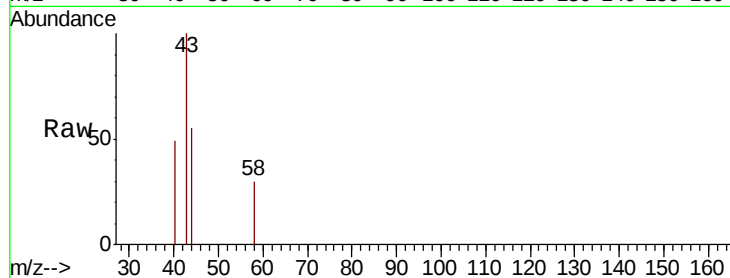
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 656

Ion Ratio Lower Upper

43 100

58 30.4 27.3 40.9



#20

Methylene Chloride

Concen: 6.366 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

Tgt Ion: 84 Resp: 12866

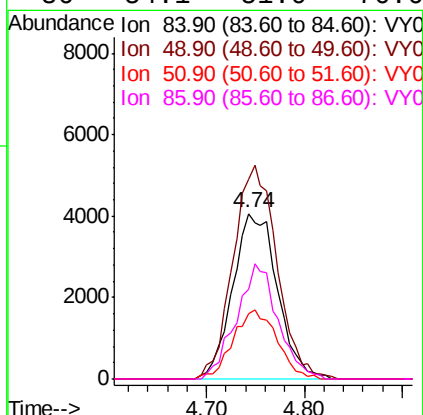
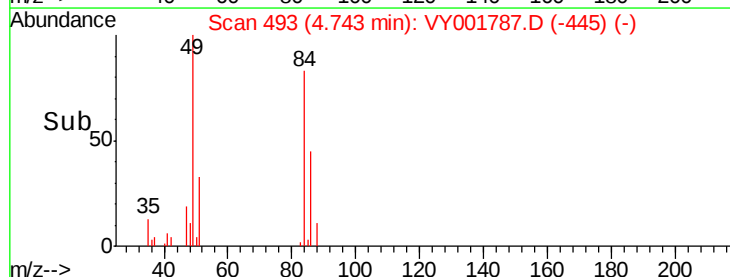
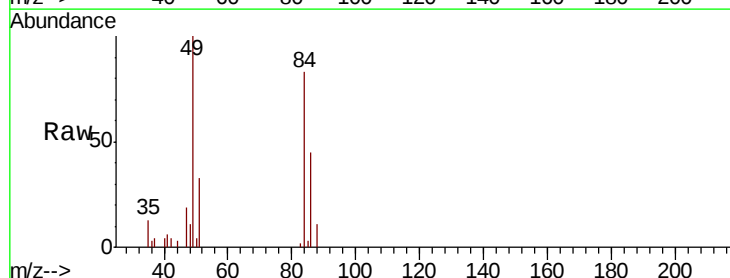
Ion Ratio Lower Upper

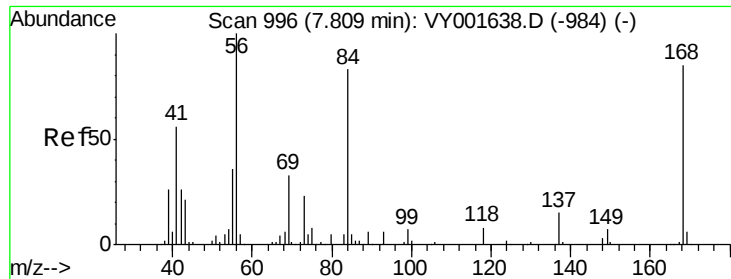
84 100

49 120.4 99.2 148.8

51 39.6 31.5 47.3

86 54.1 51.0 76.6

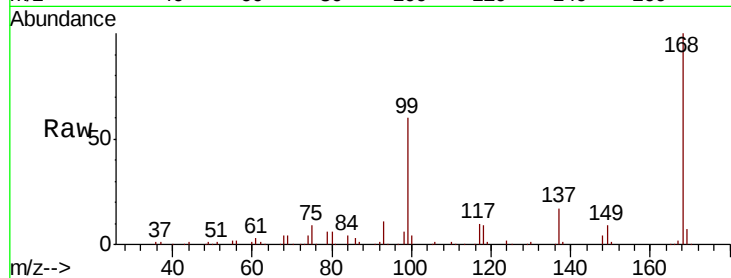




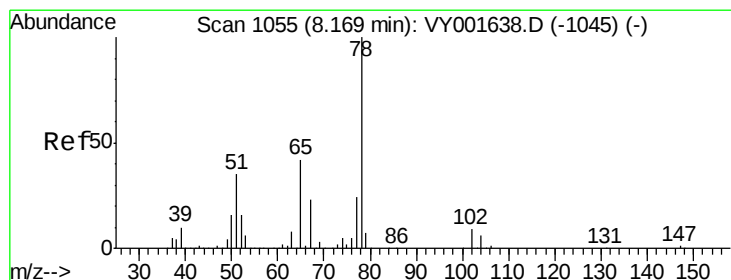
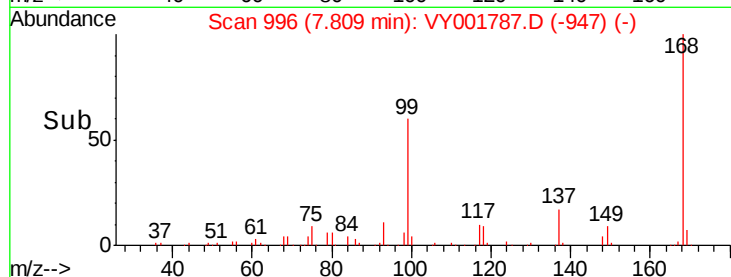
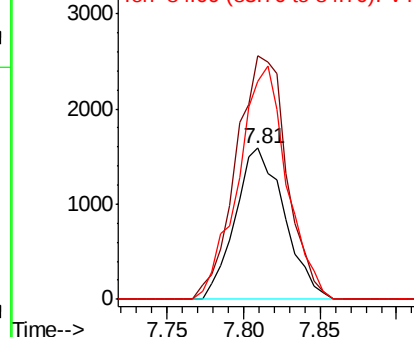
#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001787.D
Acq: 26 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3549
Ion Ratio Lower Upper
56 100
69 161.2 25.1 37.7#
84 144.4 66.9 100.3#

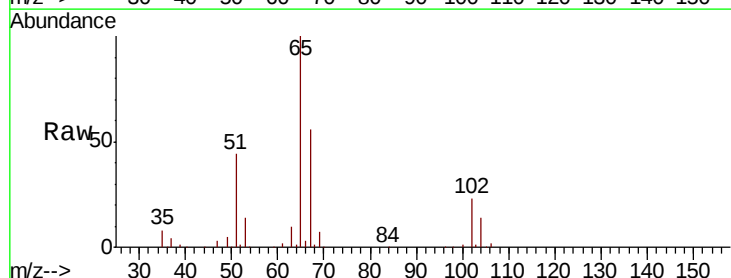


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

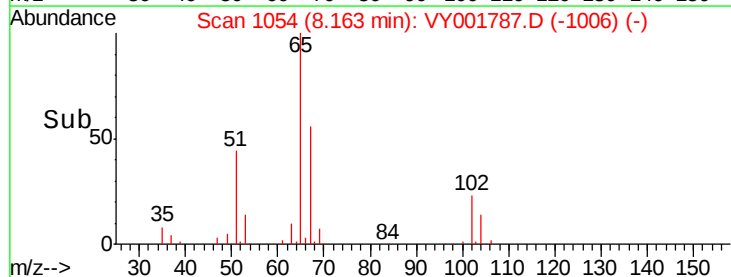
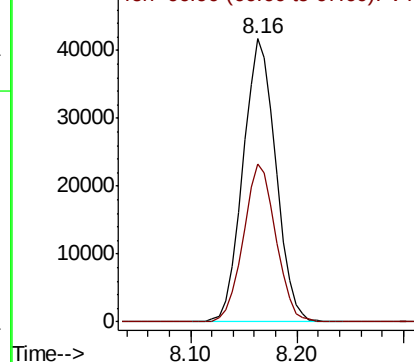


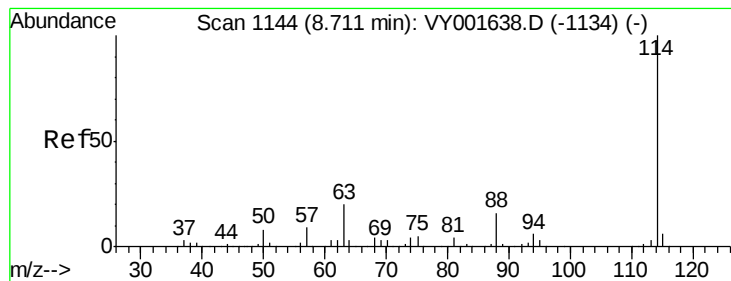
#33
1,2-Dichloroethane-d4
Concen: 54.983 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001787.D
Acq: 26 Feb 2020 17:14

Tgt Ion: 65 Resp: 90421
Ion Ratio Lower Upper
65 100
67 55.2 0.0 111.0



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: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

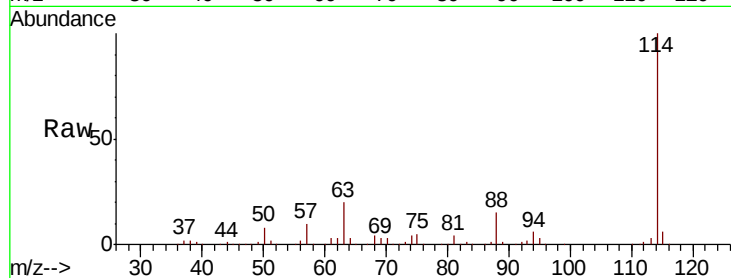
Tot Ion:114 Resp: 285083

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

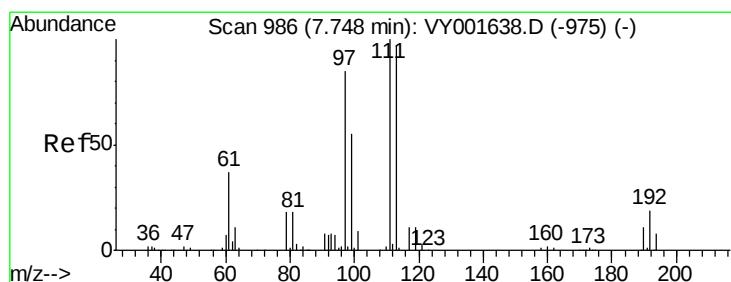
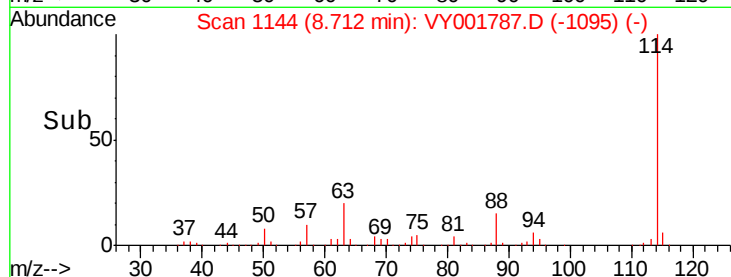
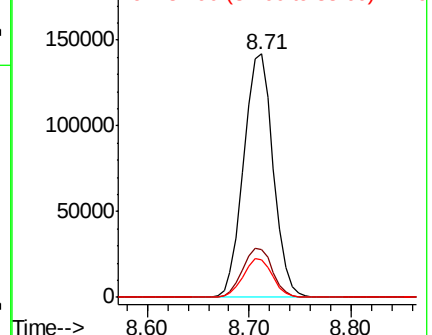
88 15.2 0.0 32.8



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: 50.825 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

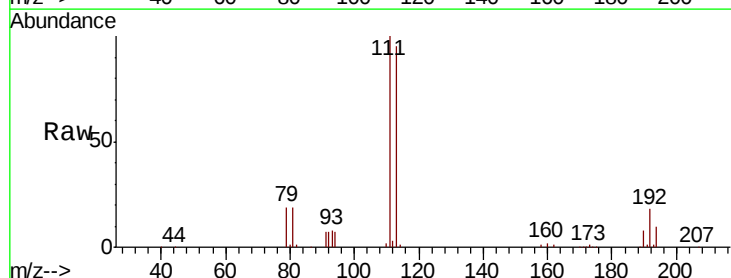
Tgt Ion:113 Resp: 82989

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

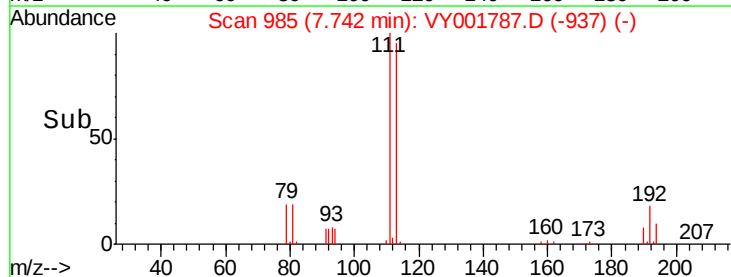
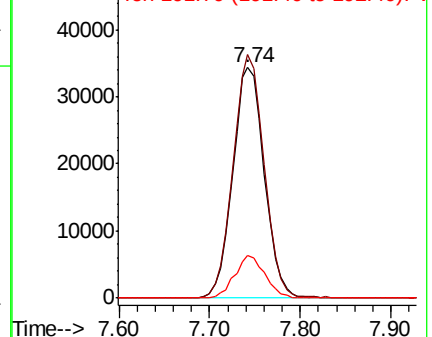
192 17.6 14.3 21.5

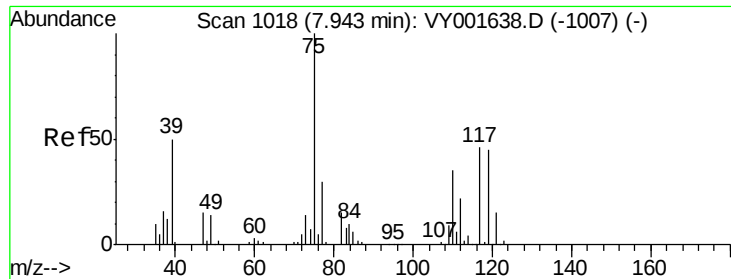


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

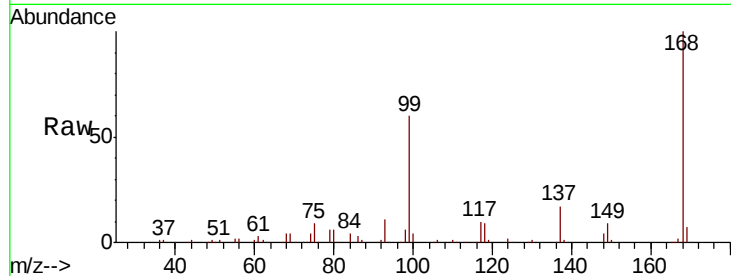




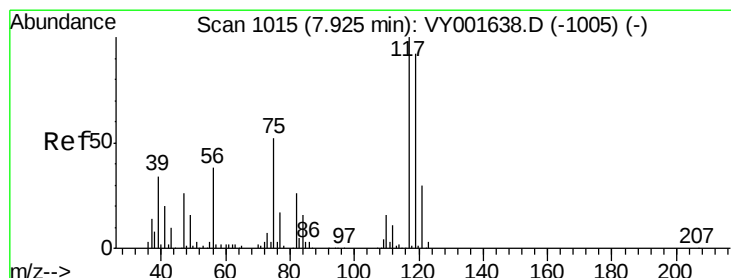
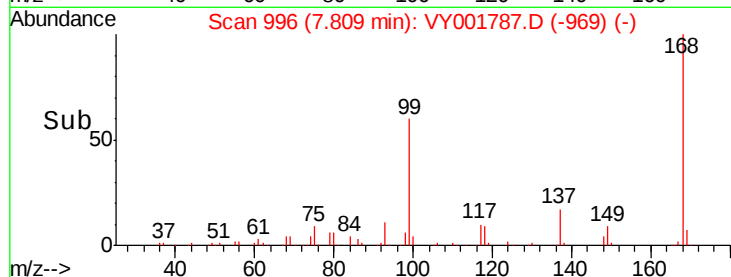
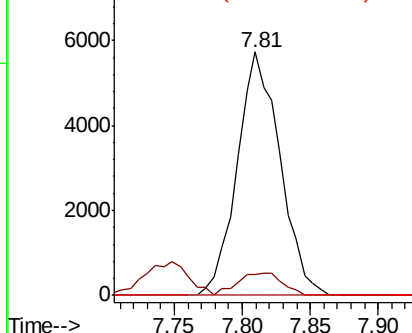
#36
 1,1-Dichloropropene
 Concen: 4.625 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001787.D
 Acq: 26 Feb 2020 17:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	12593
Ion Ratio	Lower	Upper	
75	100		
110	9.6	17.2	51.6#
77	0.0	24.8	37.2#

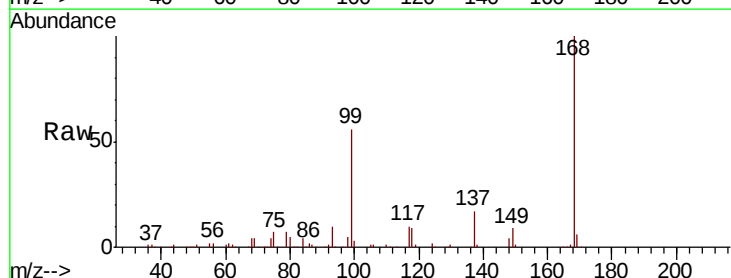


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

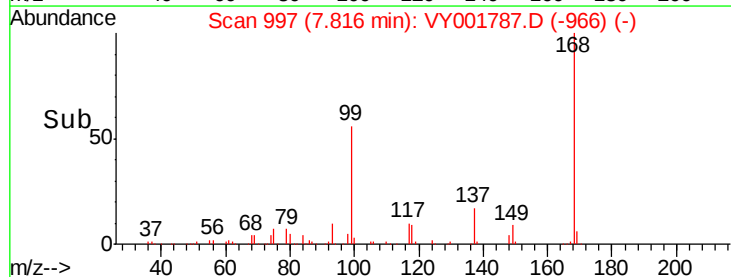
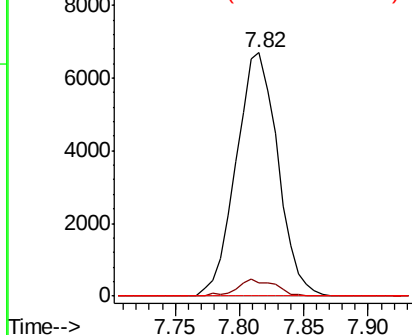


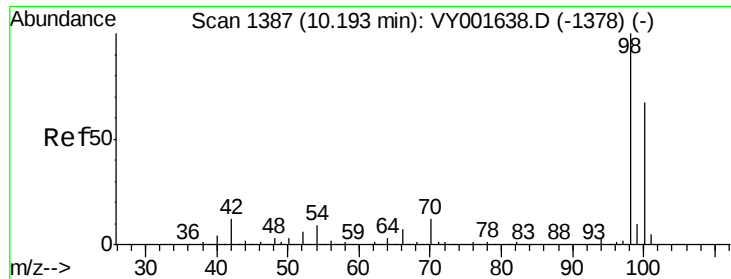
#38
 Carbon Tetrachloride
 Concen: 6.279 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001787.D
 Acq: 26 Feb 2020 17:14

Tgt Ion	117	Resp	15019
Ion Ratio	Lower	Upper	
117	100		
119	5.3	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 53.847 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

Instrument :

MSVOA_Y

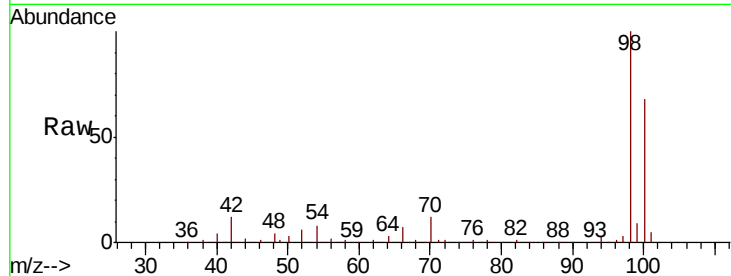
ClientSampleId :

Tot Ion: 98 Resp: 344456

Ion Ratio Lower Upper

98 100

100 66.0 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) (-)

10.19

200000

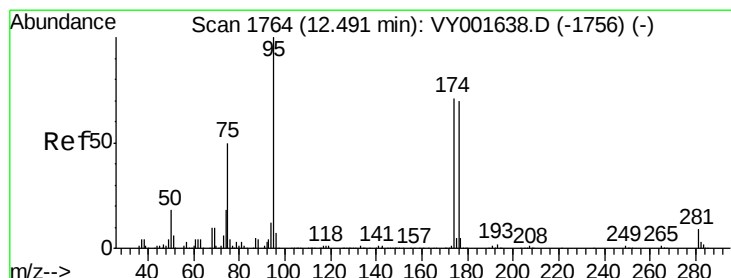
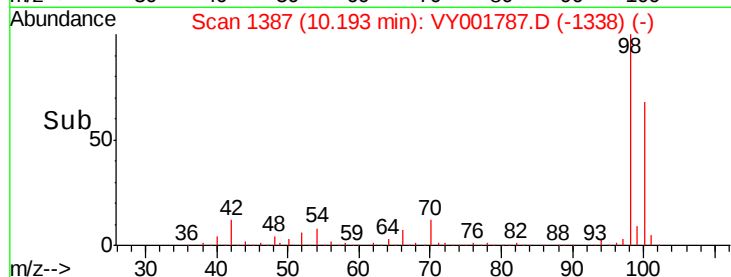
150000

100000

50000

0

Time--> 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 45.193 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

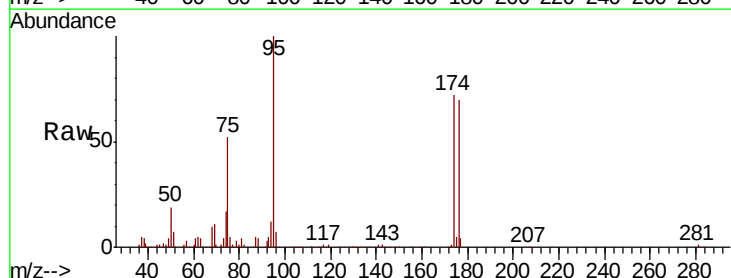
Tgt Ion: 95 Resp: 112312

Ion Ratio Lower Upper

95 100

174 71.9 0.0 138.4

176 69.7 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) (-)

12.49

100000

80000

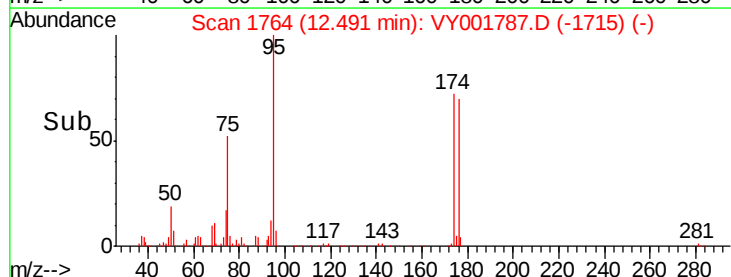
60000

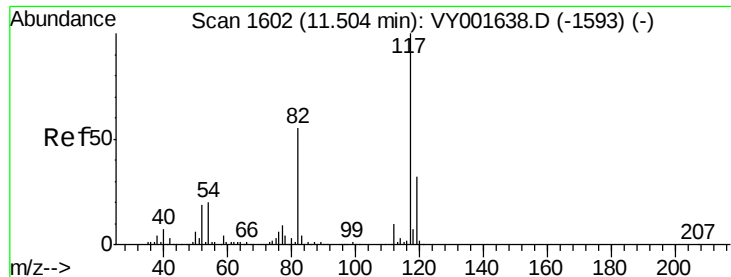
40000

20000

0

Time--> 12.40 12.45 12.50 12.55

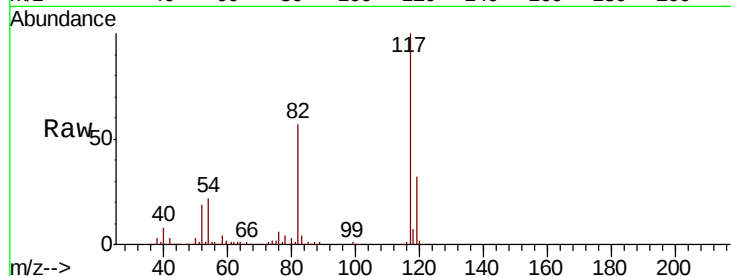




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001787.D
Acq: 26 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.5	68.3
119	32.0	25.8	38.6

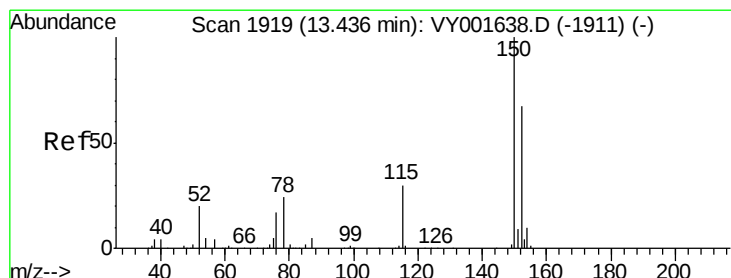
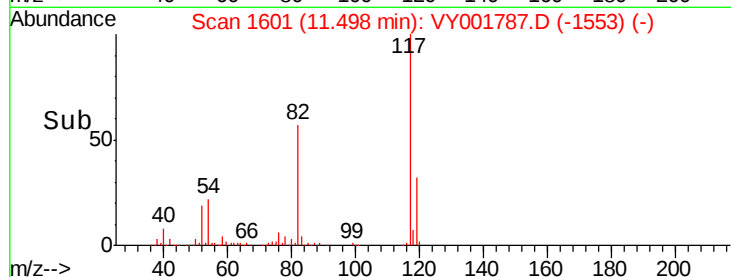
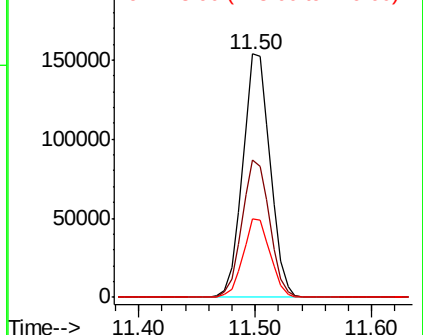


Abundance

Ion 116.90 (116.60 to 117.60): V

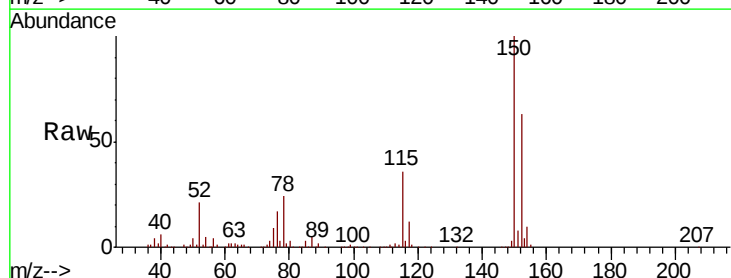
Ion 82.00 (81.70 to 82.70): VY0

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: VY001787.D
Acq: 26 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.4	94.2
150	158.2	0.0	407.2

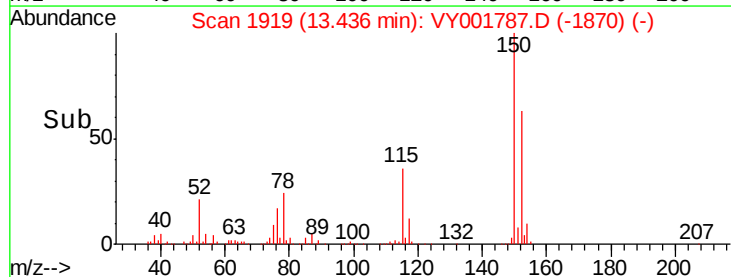
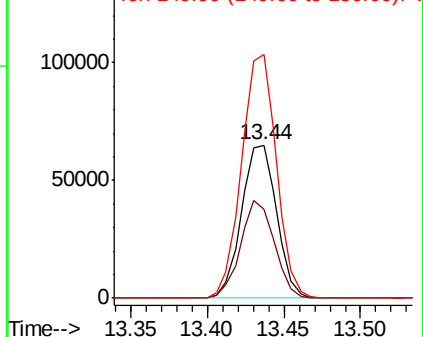


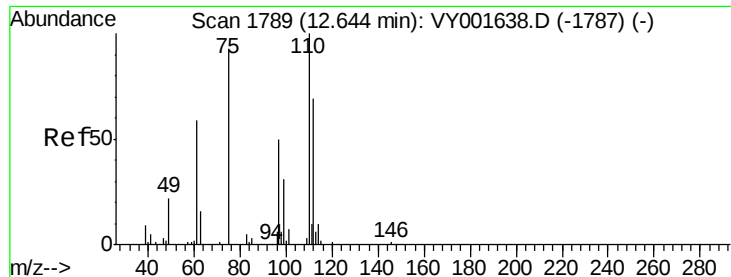
Abundance

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: 48.020 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

Instrument :

MSVOA_Y

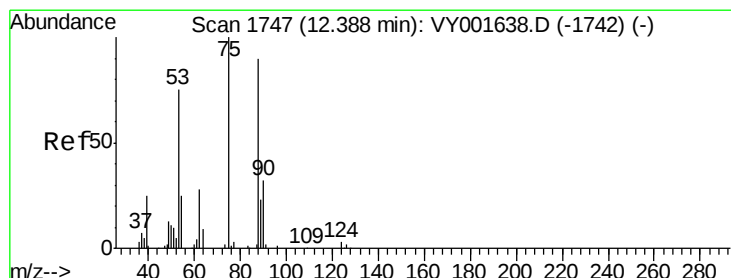
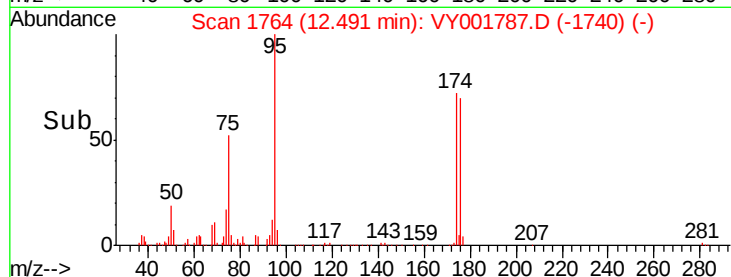
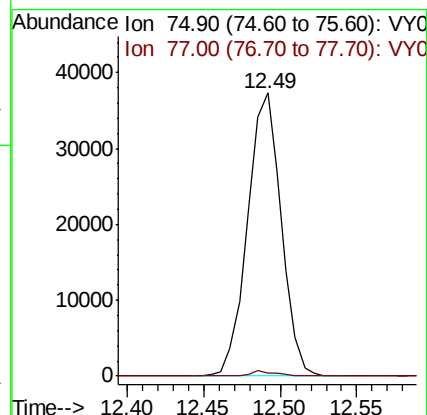
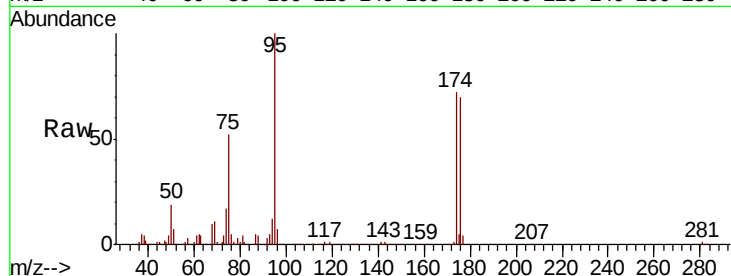
ClientSampleId :

Tot Ion: 75 Resp: 56899

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.102 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001787.D

Acq: 26 Feb 2020 17:14

Tgt Ion: 75 Resp: 56899

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

