

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001742.D
 Acq On : 21 Feb 2020 15:04
 Operator : SY/MD
 Sample : L1623-07
 Misc : 9.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:43:13 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	167658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	310110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	279265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	122856	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	103192	57.22	ug/l	0.00
Spiked Amount			Recovery	=	114.44%	
35) Dibromofluoromethane	7.75	113	91256	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.19	98	378553	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.49	95	128400	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

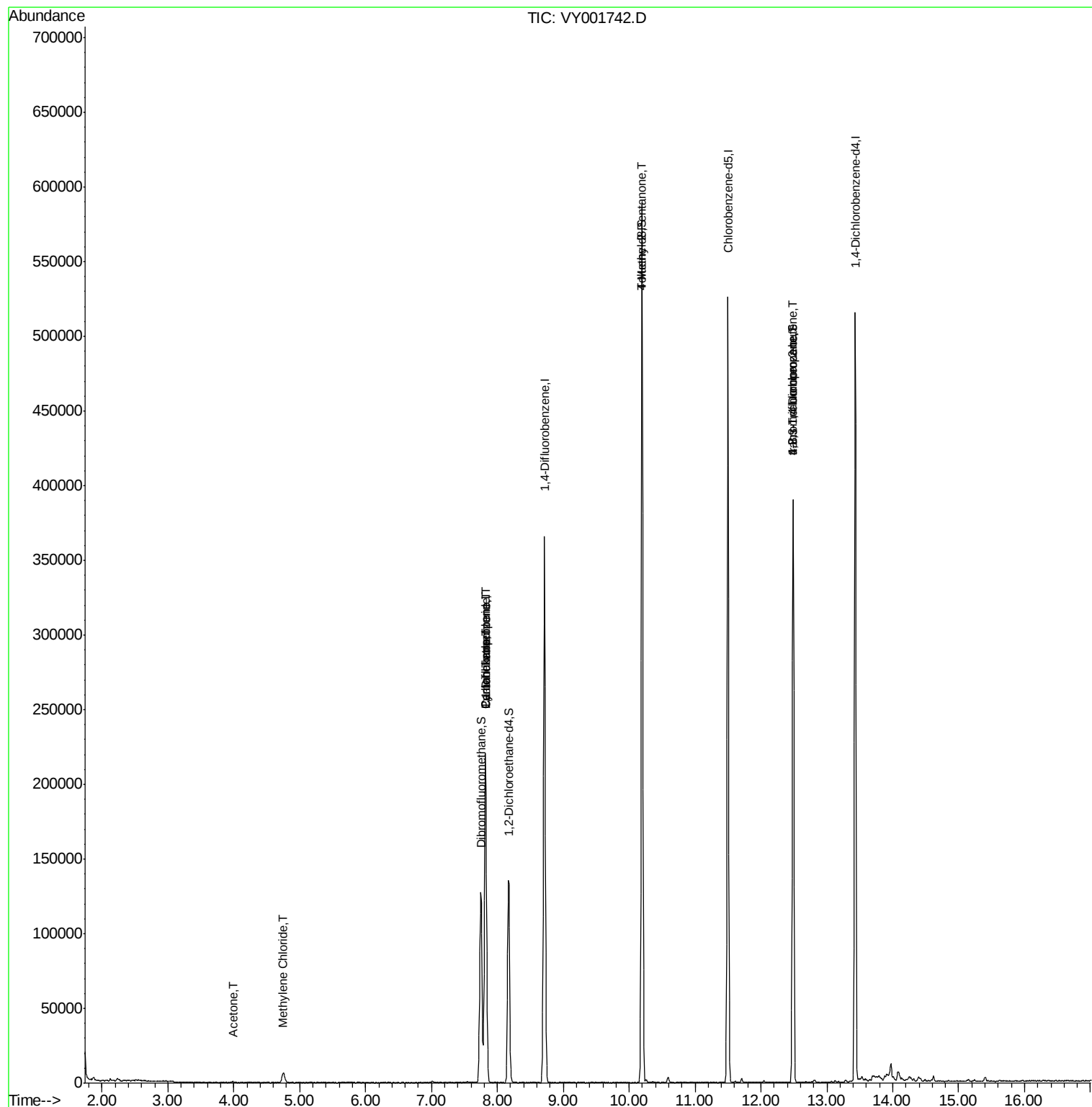
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	53	Below Cal	#	74
16) Acetone	3.99	43	1509	2.418	ug/l #	80
20) Methylene Chloride	4.75	84	5129	2.314	ug/l #	88
31) Cyclohexane	7.82	56	3835	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14020	4.733	ug/l #	50
38) Carbon Tetrachloride	7.82	117	16934	6.509	ug/l #	17
51) 4-Methyl-2-Pentanone	10.19	43	1754	1.018	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.89	63	24	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	65119	46.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	65119	87.661	ug/l #	17

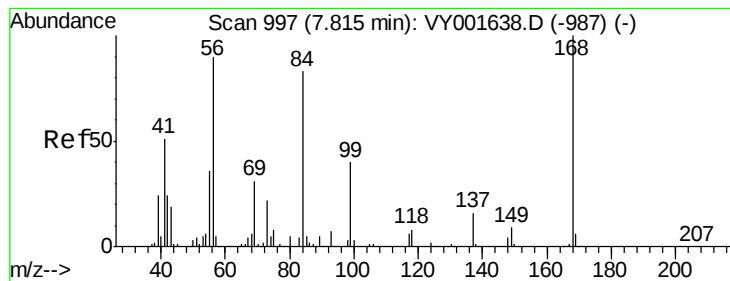
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 22 03:43:13 2020
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: VY001742.D

Acq: 21 Feb 2020 15:04

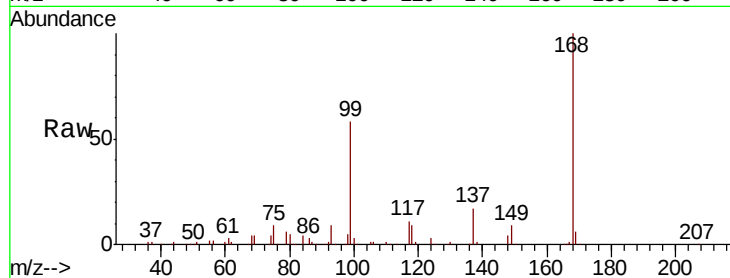
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 167658

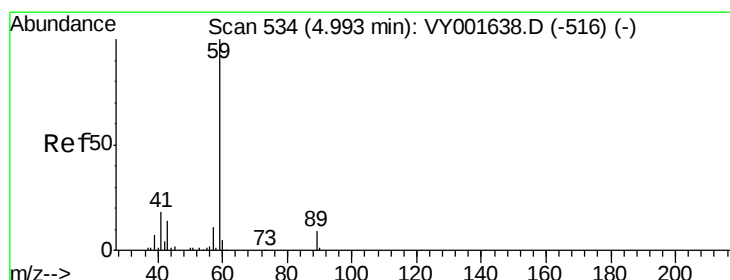
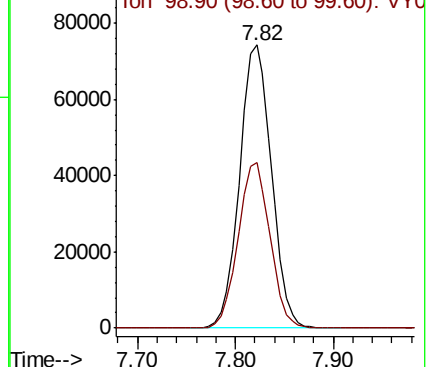
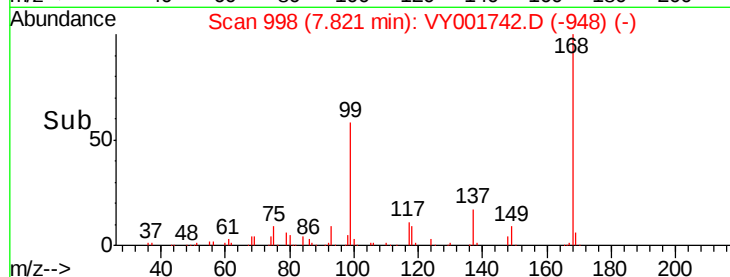
Ion Ratio Lower Upper

168 100

99 58.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001742.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001742.D

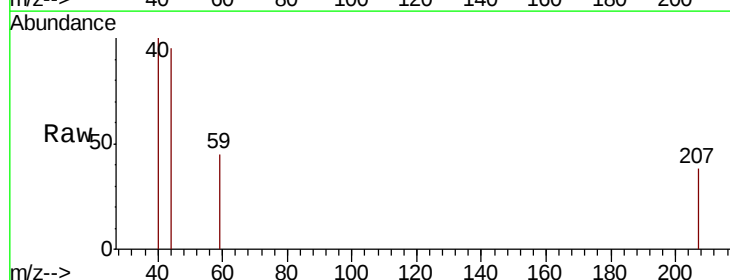
Acq: 21 Feb 2020 15:04

Tgt Ion: 59 Resp: 53

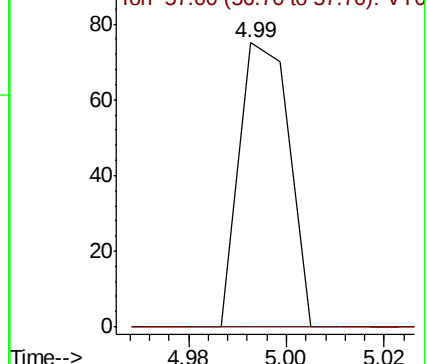
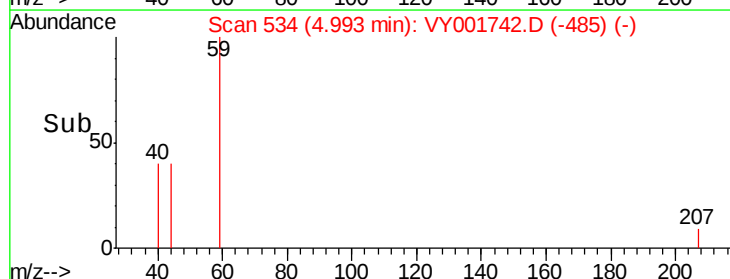
Ion Ratio Lower Upper

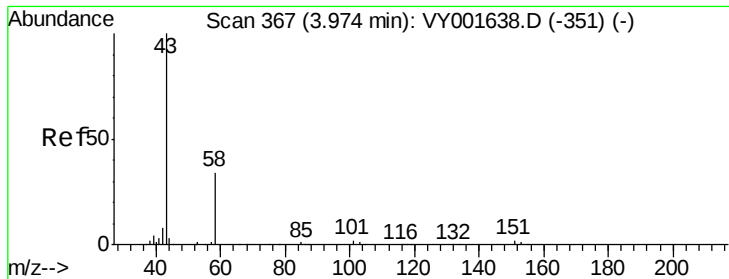
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001742.D (-485) (-)





#16

Acetone

Concen: 2.418 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001742.D

Acq: 21 Feb 2020 15:04

Instrument :

MSVOA_Y

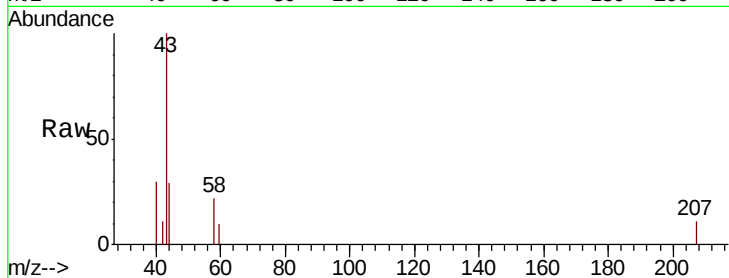
ClientSampleId :

Tot Ion: 43 Resp: 1509

Ion Ratio Lower Upper

43 100

58 22.5 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.99

600

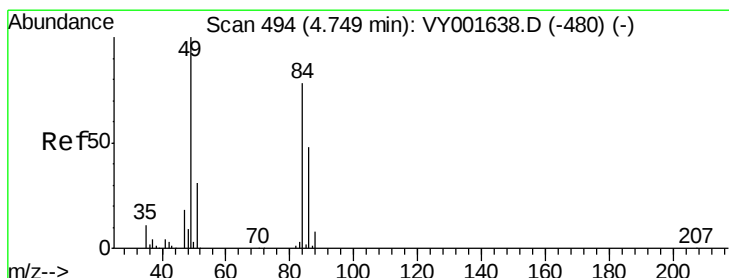
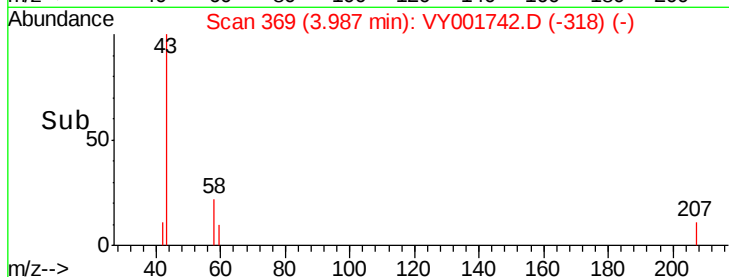
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 2.314 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001742.D

Acq: 21 Feb 2020 15:04

Tgt Ion: 84 Resp: 5129

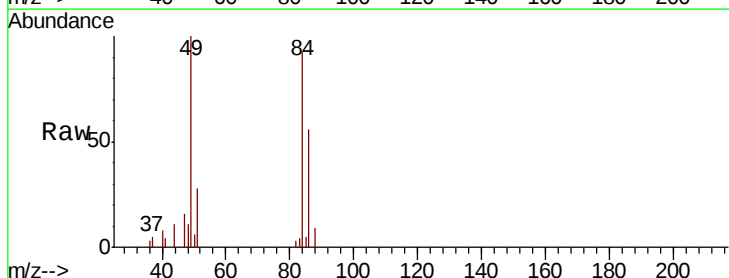
Ion Ratio Lower Upper

84 100

49 107.6 99.2 148.8

51 30.2 31.5 47.3#

86 60.0 51.0 76.6



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

3000

2500

2000

1500

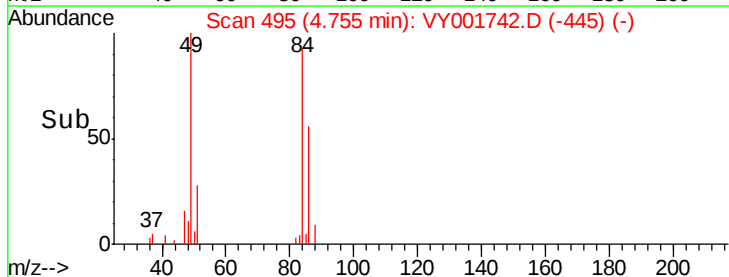
1000

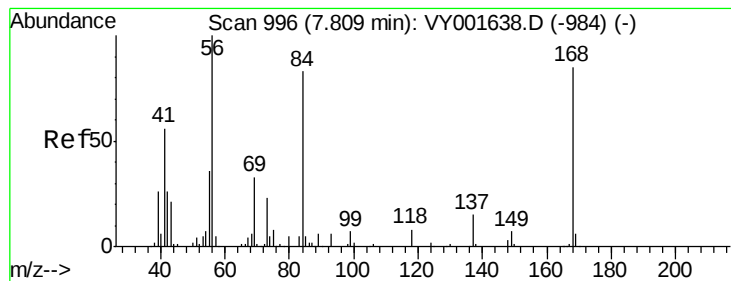
500

0

4.70 4.75 4.80

Time-->





#31

Cyclohexane

Concen: 1.012 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001742.D

Acq: 21 Feb 2020 15:04

Instrument :
MSVOA_Y
ClientSampled :

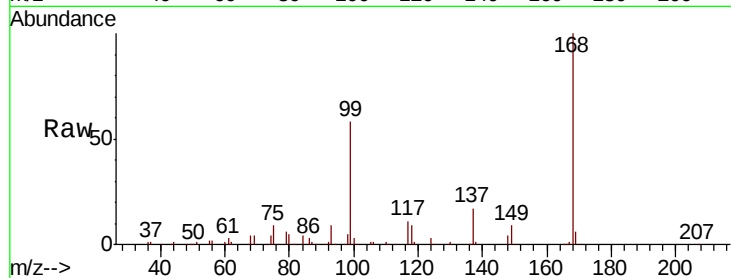
Tot Ion: 56 Resp: 3835

Ion Ratio Lower Upper

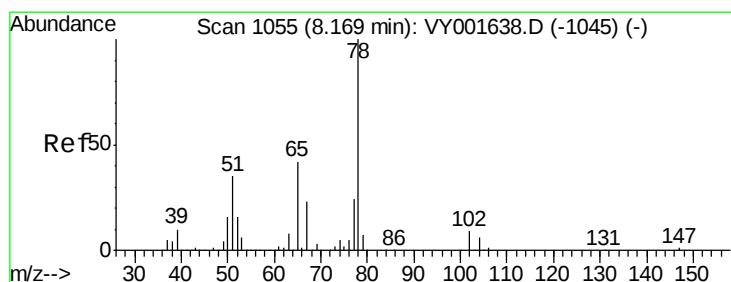
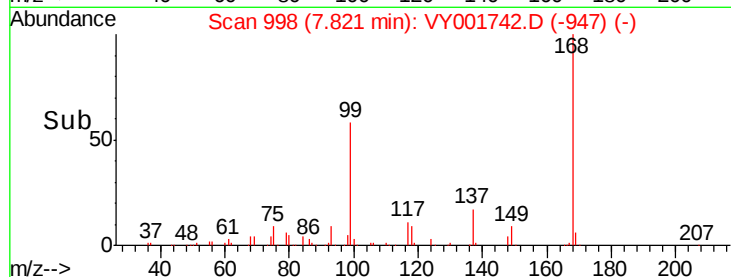
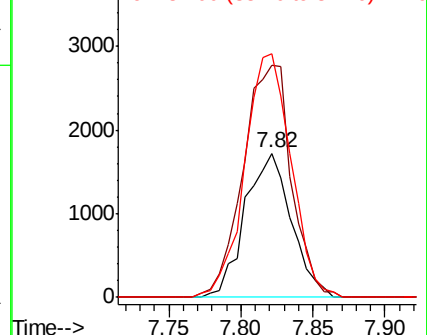
56 100

69 161.1 25.1 37.7#

84 168.7 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: 57.221 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001742.D

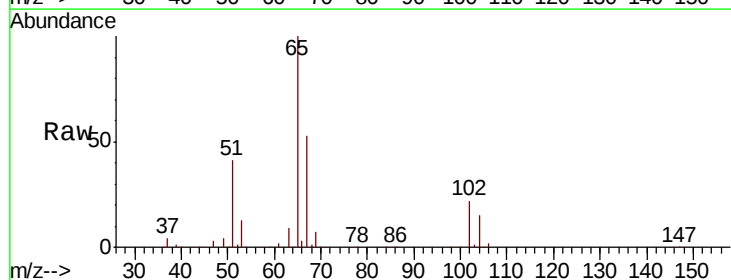
Acq: 21 Feb 2020 15:04

Tgt Ion: 65 Resp: 103192

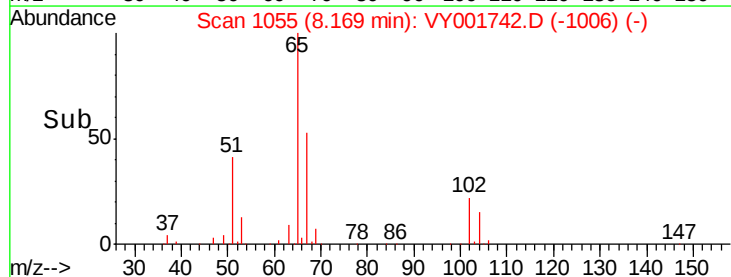
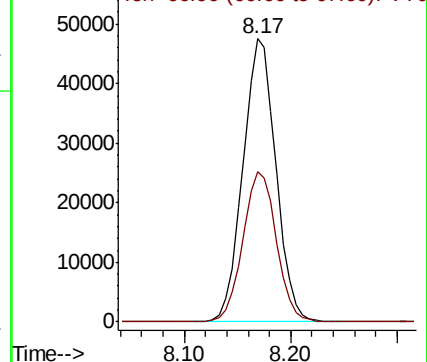
Ion Ratio Lower Upper

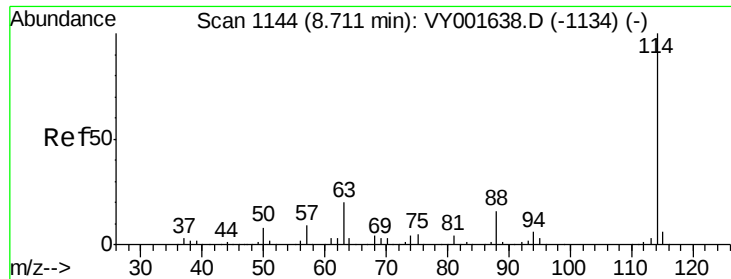
65 100

67 54.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

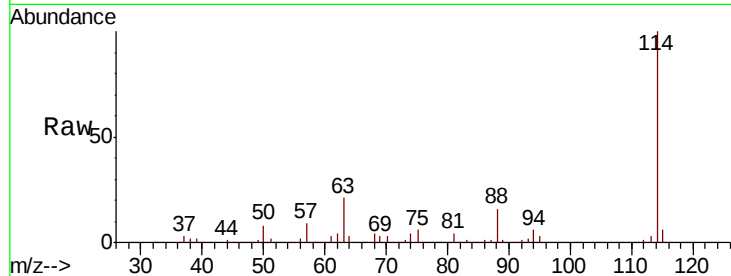




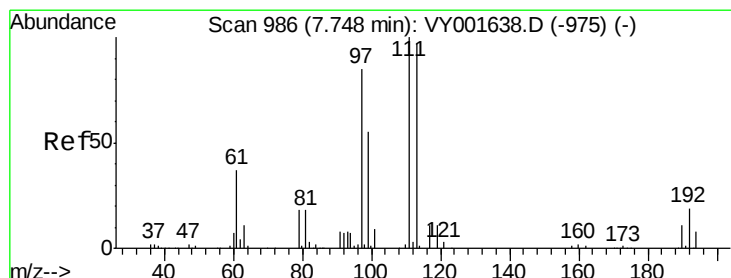
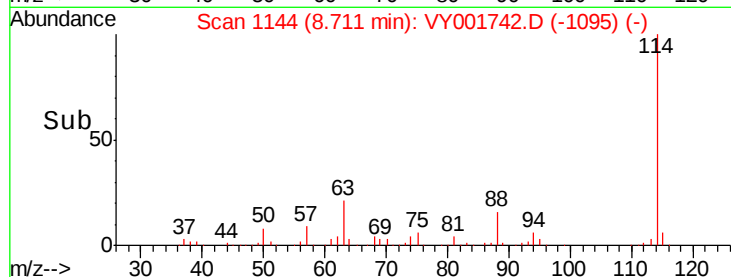
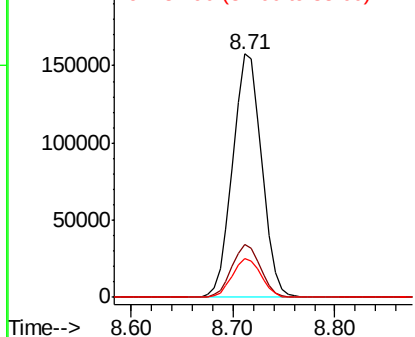
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001742.D
 Acq: 21 Feb 2020 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.4
88	16.1	0.0	32.8

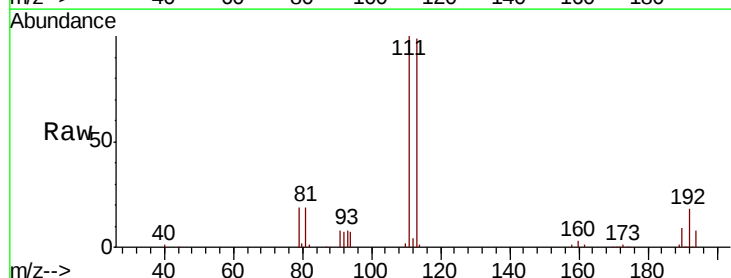


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

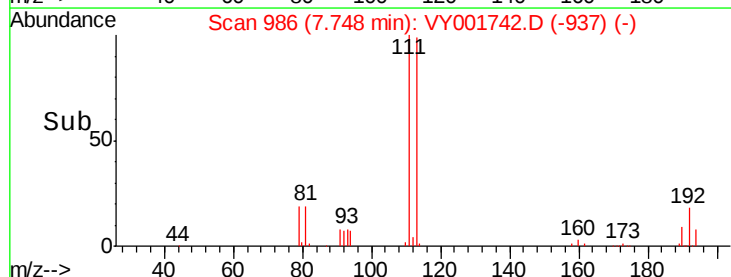
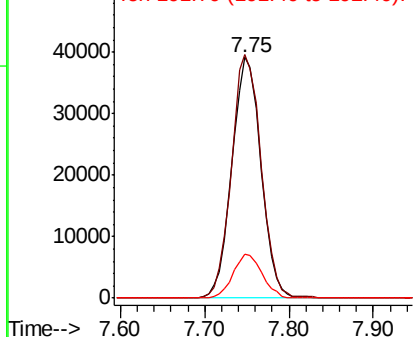


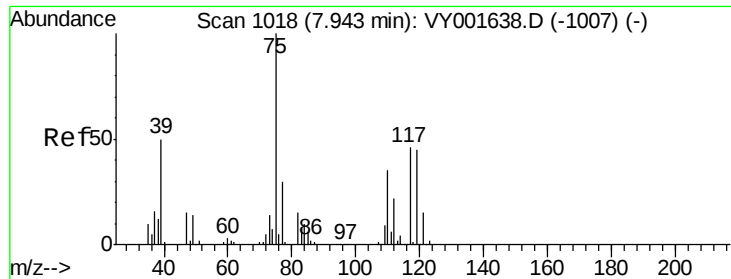
#35
 Dibromofluoromethane
 Concen: 51.378 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001742.D
 Acq: 21 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	18.3	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

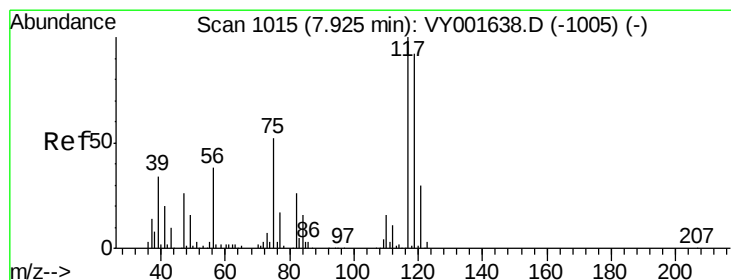
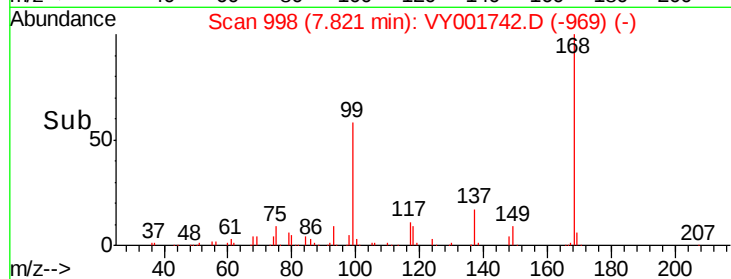
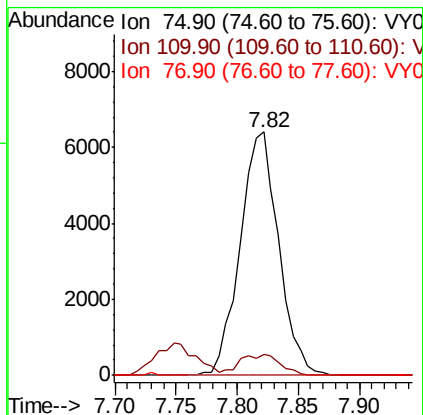
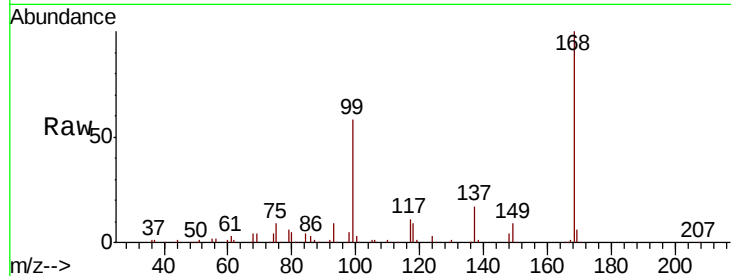




#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001742.D
 Acq: 21 Feb 2020 15:04

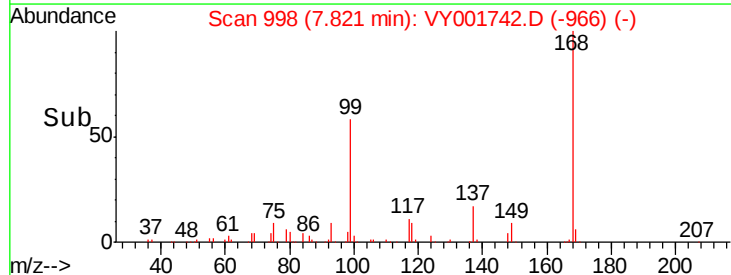
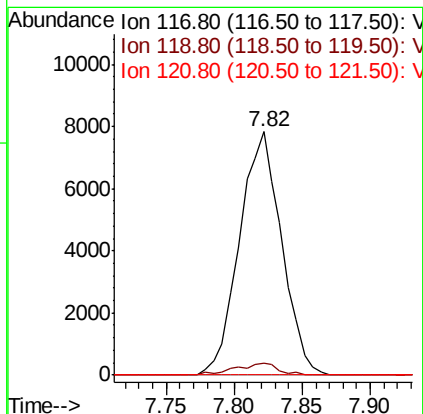
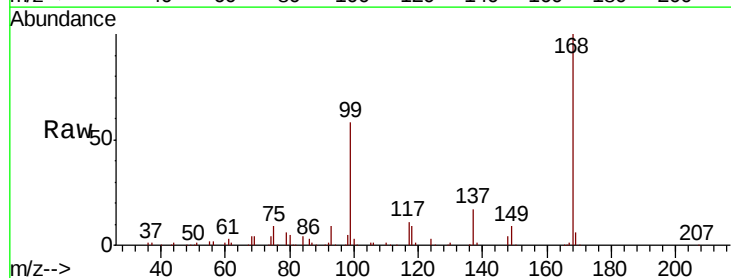
Instrument :
 MSVOA_Y
 ClientSampleId :

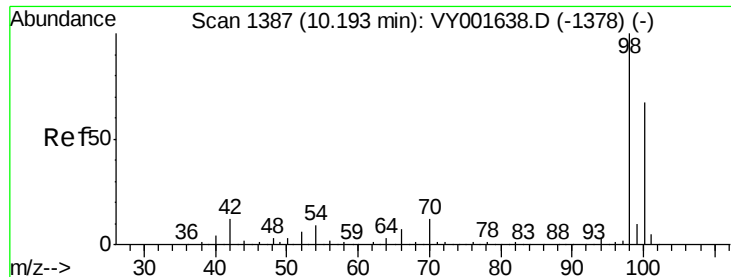
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.509 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001742.D
 Acq: 21 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 54.401 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001742.D

Acq: 21 Feb 2020 15:04

Instrument :

MSVOA_Y

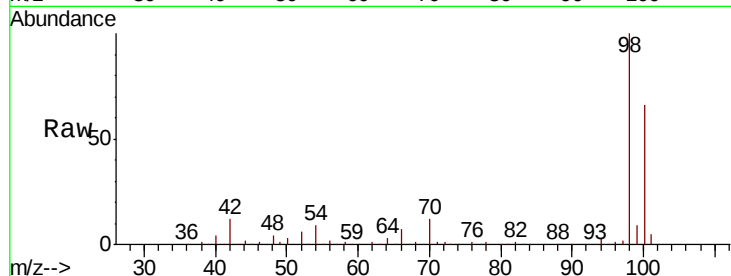
ClientSampleId :

Tot Ion: 98 Resp: 378553

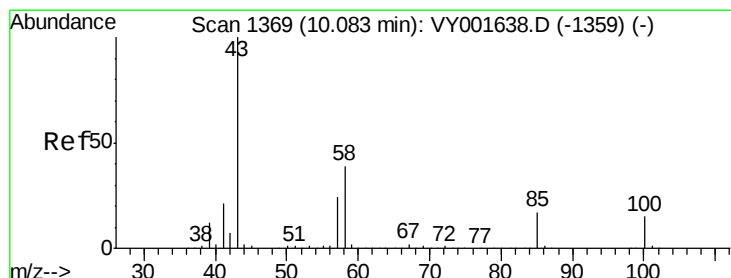
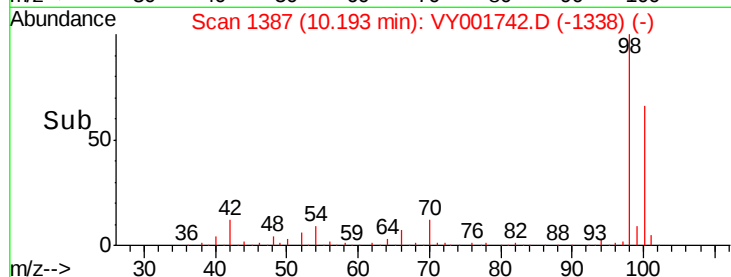
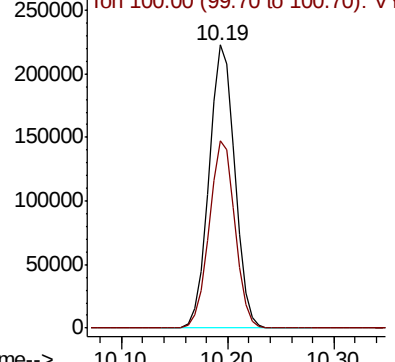
Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



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



#51

4-Methyl-2-Pentanone

Concen: 1.018 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001742.D

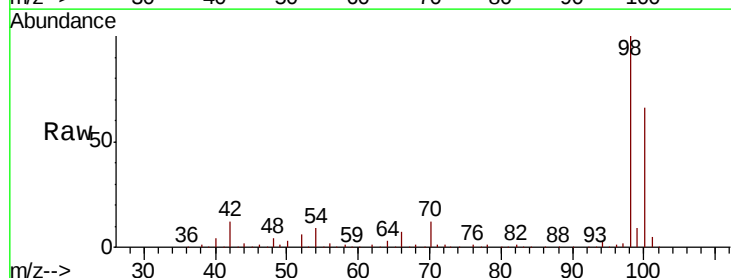
Acq: 21 Feb 2020 15:04

Tgt Ion: 43 Resp: 1754

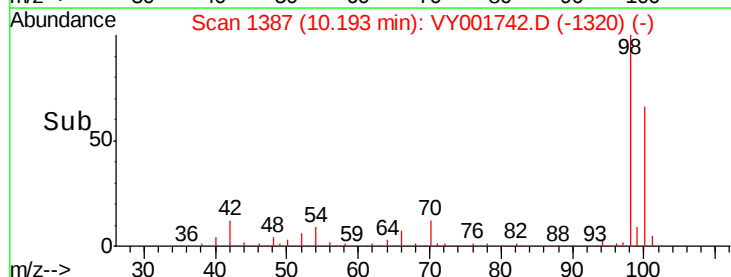
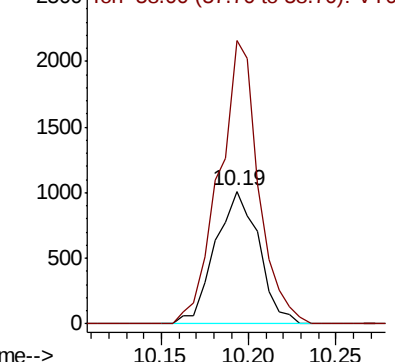
Ion Ratio Lower Upper

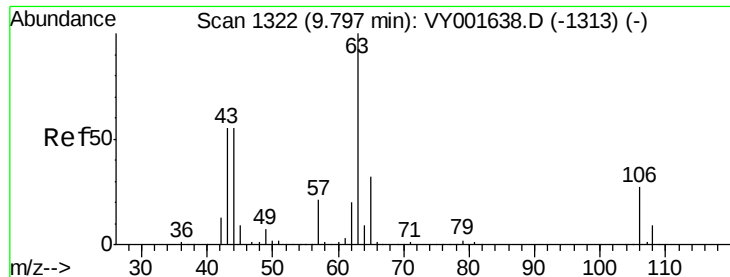
43 100

58 193.8 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1359) (-)

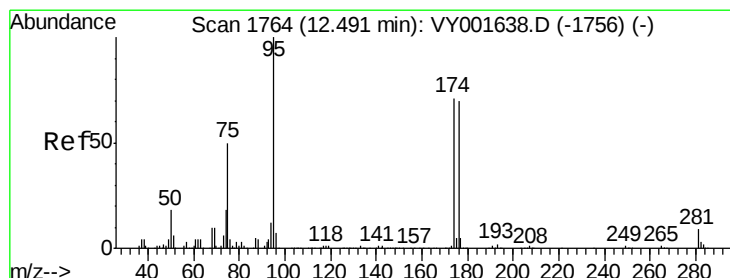
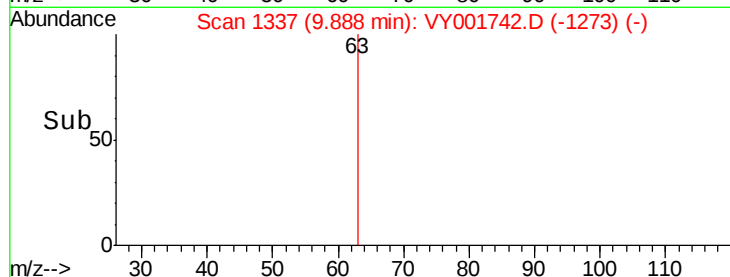
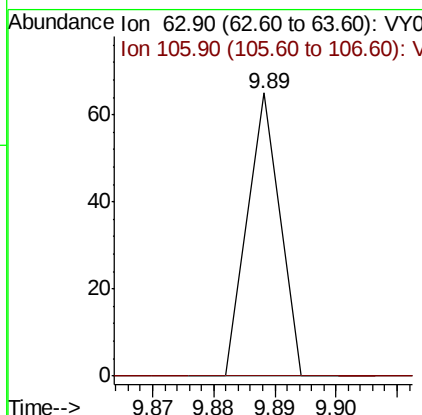
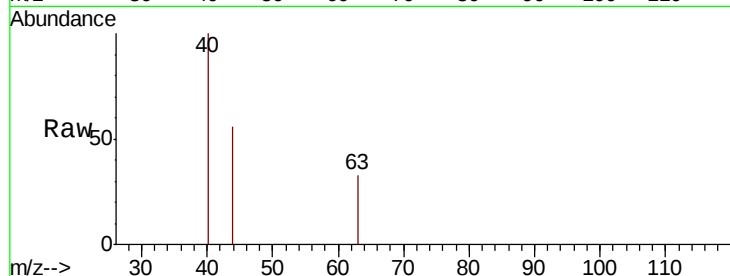




#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.89 min Scan# 1337
 Delta R.T. 0.09 min
 Lab File: VY001742.D
 Acq: 21 Feb 2020 15:04

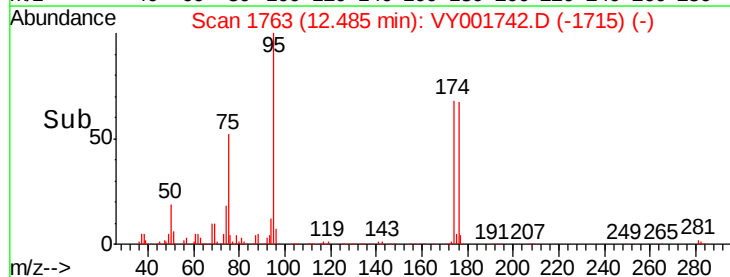
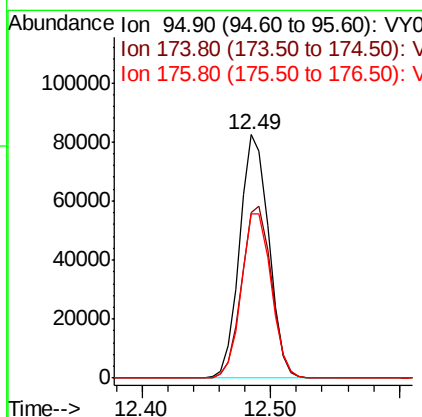
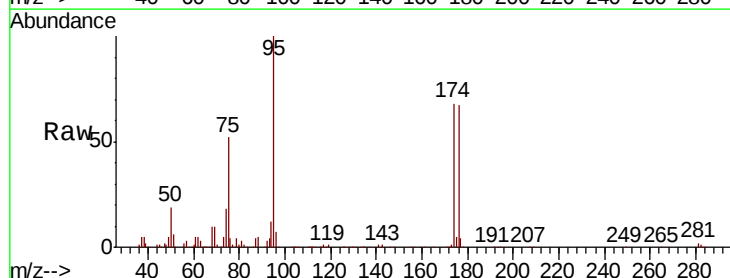
Instrument :
 MSVOA_Y
 ClientSampleId :

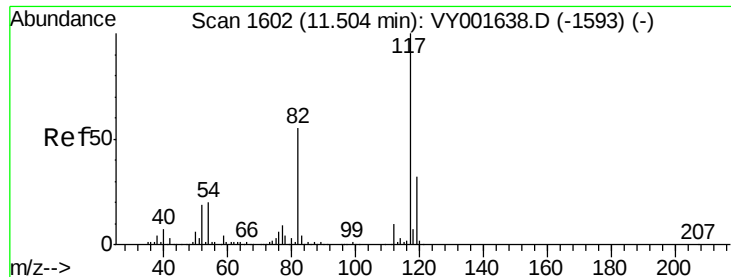
Tot Ion: 63 Resp: 24
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.6 32.4#



#62
 4-Bromofluorobenzene
 Concen: 47.497 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001742.D
 Acq: 21 Feb 2020 15:04

Tgt Ion: 95 Resp: 128400
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 138.4
 176 69.2 0.0 131.8

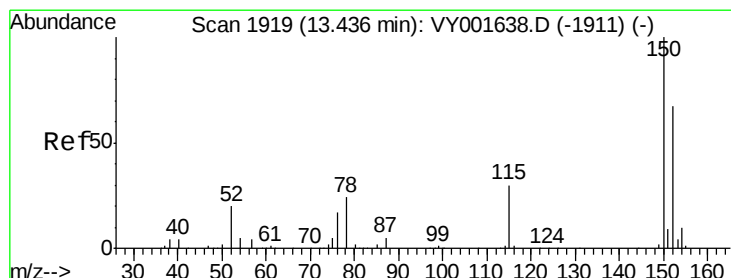
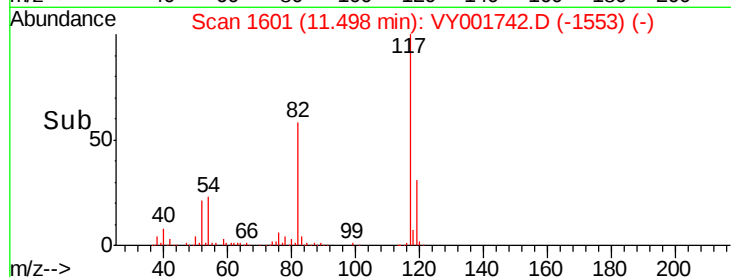
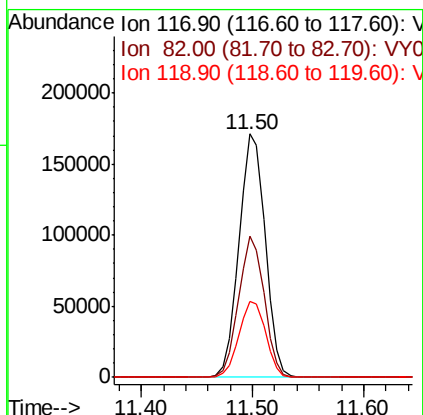
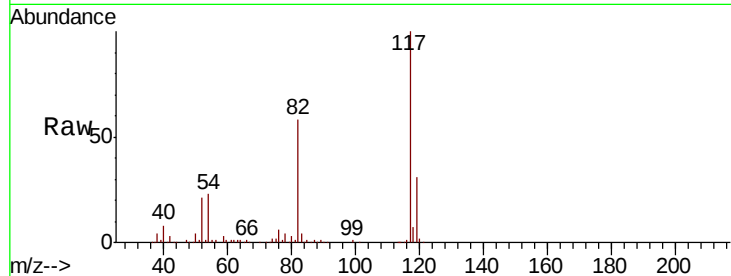




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001742.D
Acq: 21 Feb 2020 15:04

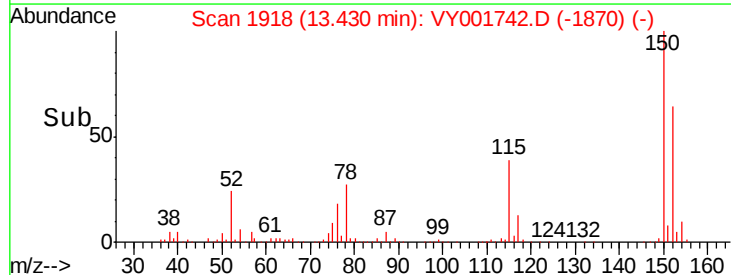
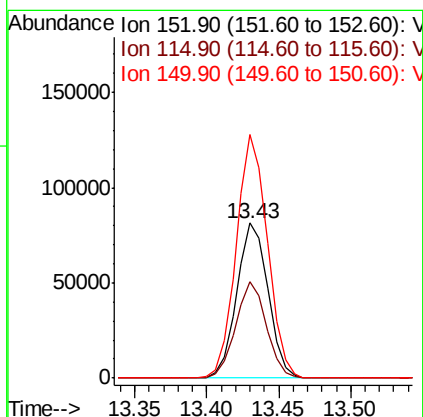
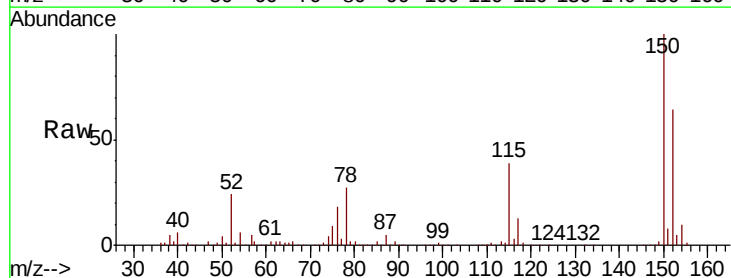
Instrument :
MSVOA_Y
ClientSampleId :

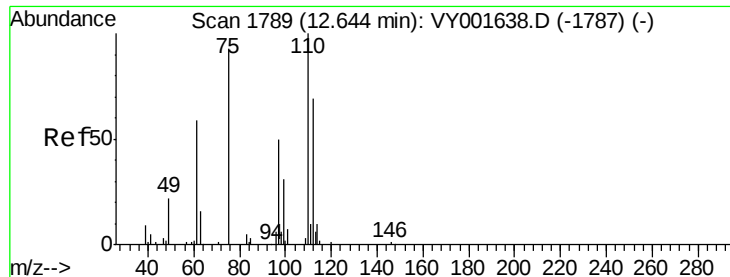
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.5	68.3
119	31.3	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001742.D
Acq: 21 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.4	94.2
150	156.6	0.0	407.2





#76

1,2,3-Trichloropropane

Concen: 46.206 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001742.D

Acq: 21 Feb 2020 15:04

Instrument :

MSVOA_Y

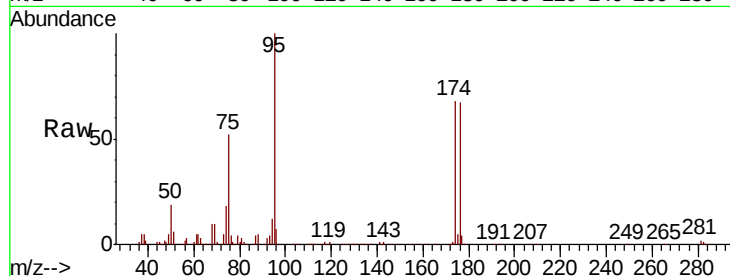
ClientSampleId :

Tot Ion: 75 Resp: 65119

Ion Ratio Lower Upper

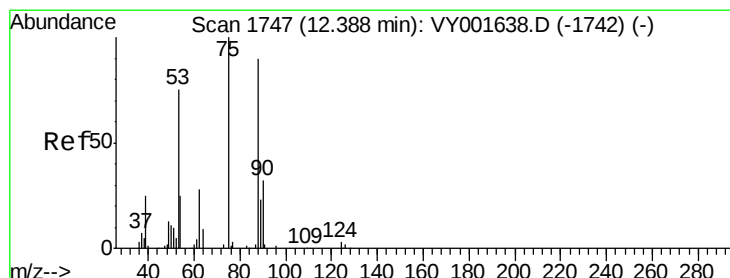
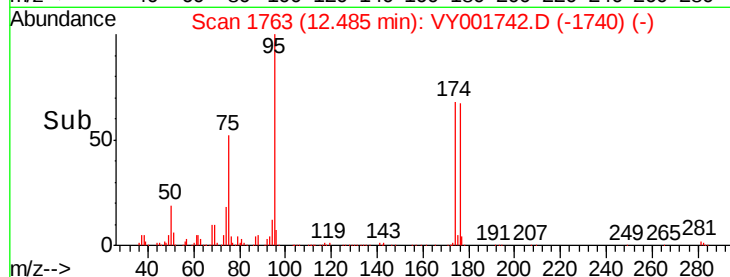
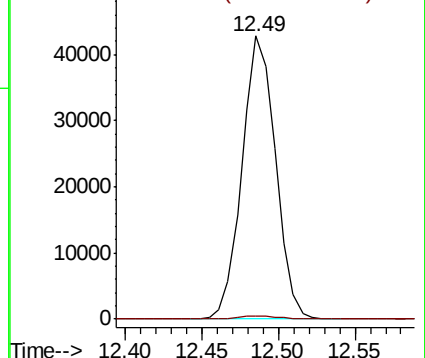
75 100

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: 87.661 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001742.D

Acq: 21 Feb 2020 15:04

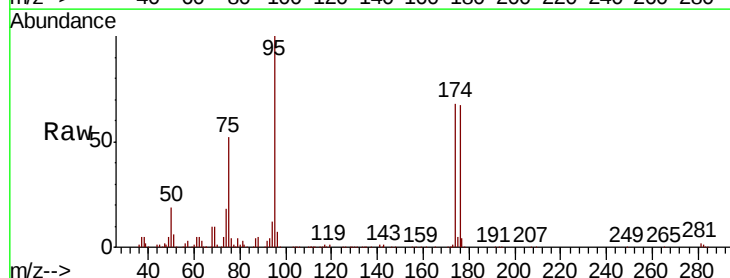
Tgt Ion: 75 Resp: 65119

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.1 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

