

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001757.D
 Acq On : 21 Feb 2020 20:39
 Operator : SY/MD
 Sample : L1657-01
 Misc : 5.39G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:45:40 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	7.83	168	161342	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	296138	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	248372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	90315	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	96568	55.64	ug/l	0.01
Spiked Amount			Recovery	=	111.28%	
35) Dibromofluoromethane	7.77	113	87475	51.57	ug/l	0.02
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	10.20	98	353831	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.50	95	104909	40.64	ug/l	0.00
Spiked Amount			Recovery	=	81.28%	

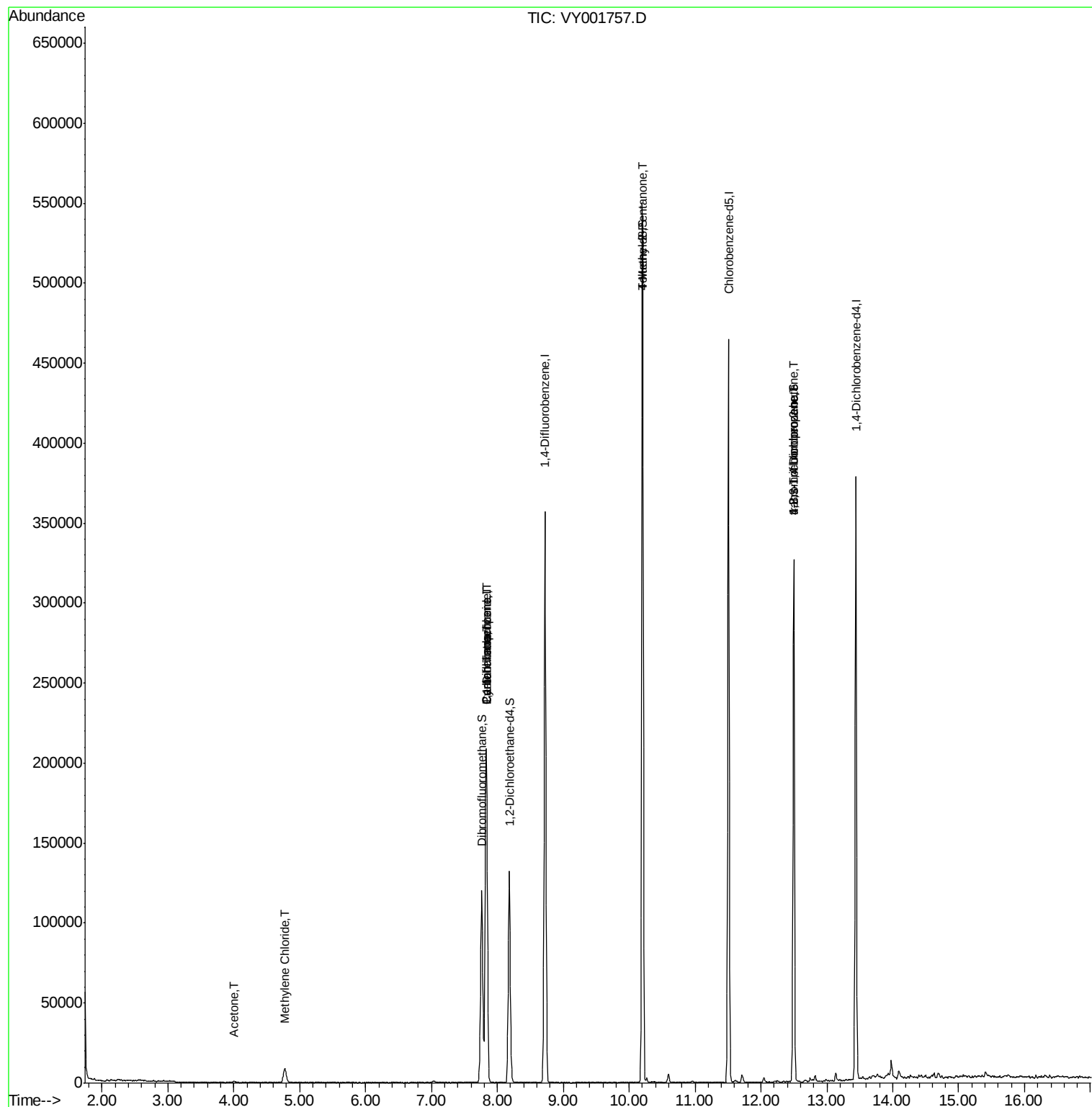
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.01	59	60	Below Cal	#	74
16) Acetone	4.00	43	1414	2.355	ug/l #	81
20) Methylene Chloride	4.77	84	6459	3.028	ug/l	97
31) Cyclohexane	7.83	56	3749	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	13351	4.720	ug/l #	50
38) Carbon Tetrachloride	7.83	117	16341	6.577	ug/l #	15
51) 4-Methyl-2-Pentanone	10.20	43	1649	1.002	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	54507	52.611	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	54507	99.813	ug/l #	17

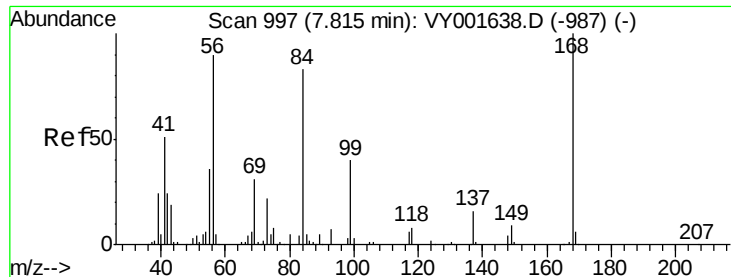
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
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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: 7.83 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VY001757.D

Acq: 21 Feb 2020 20:39

Instrument :

MSVOA_Y

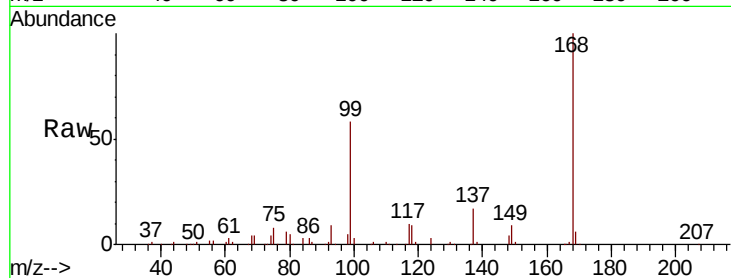
ClientSampled :

Tot Ion:168 Resp: 161342

Ion Ratio Lower Upper

168 100

99 58.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001757.D

Ion 98.90 (98.60 to 99.60): VY001757.D

7.83

80000

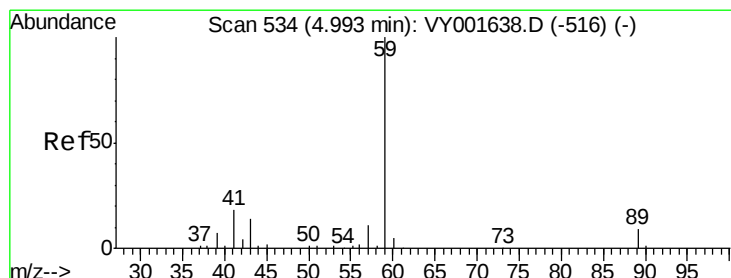
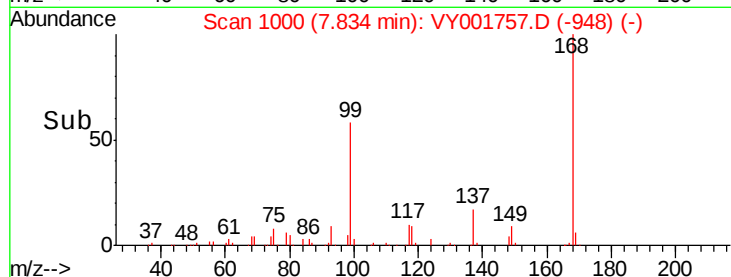
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.01 min Scan# 537

Delta R.T. 0.02 min

Lab File: VY001757.D

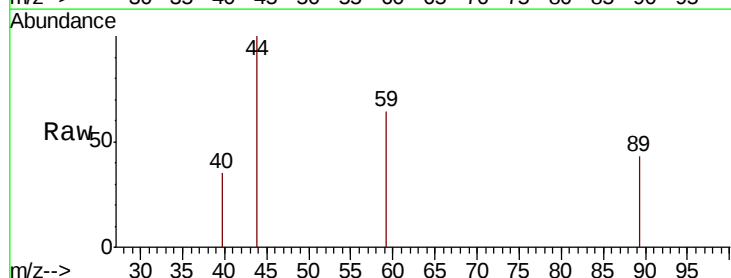
Acq: 21 Feb 2020 20:39

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001757.D

Ion 57.00 (56.70 to 57.70): VY001757.D

5.01

120

100

80

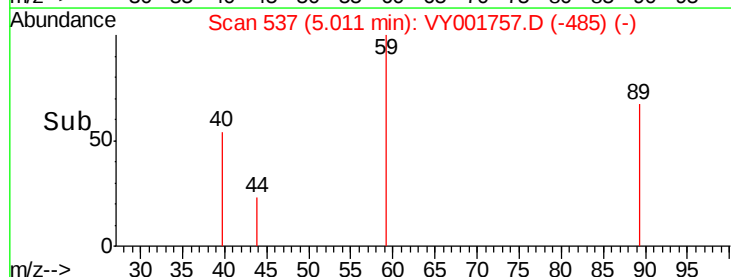
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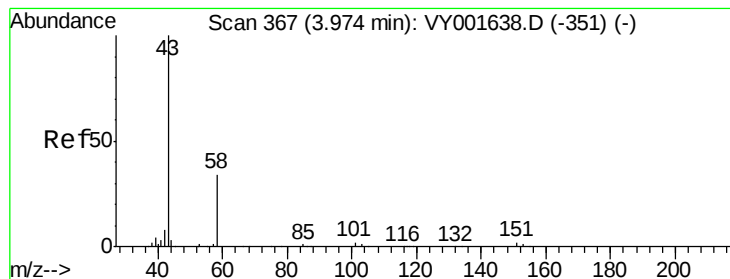
40

20

0

Time--> 5.00 5.01 5.02 5.03





#16

Acetone

Concen: 2.355 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.02 min

Lab File: VY001757.D

Acq: 21 Feb 2020 20:39

Instrument :

MSVOA_Y

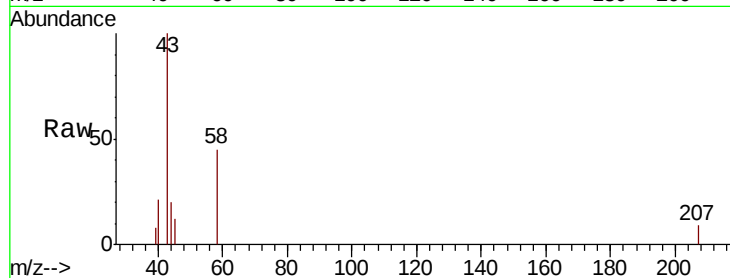
ClientSampleId :

Tot Ion: 43 Resp: 1414

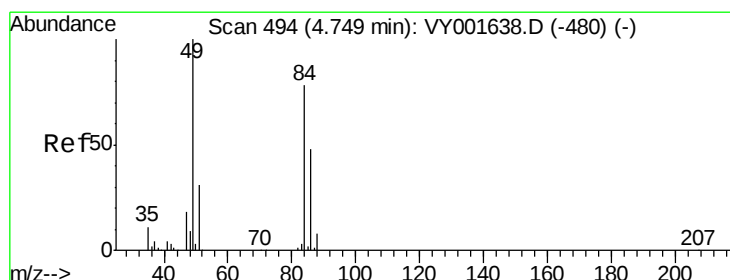
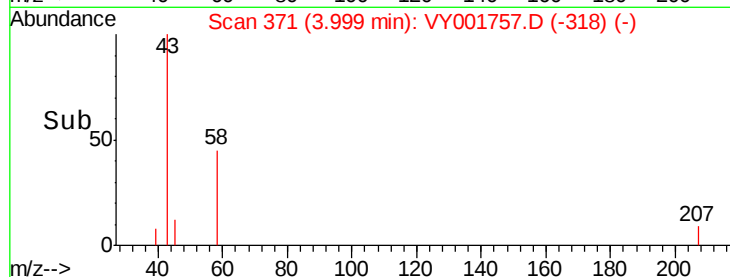
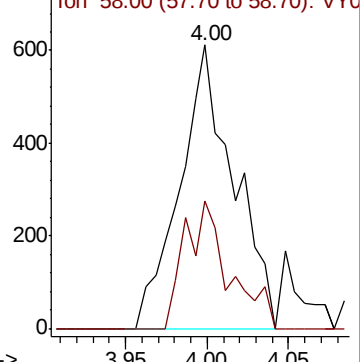
Ion Ratio Lower Upper

43 100

58 45.1 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)



#20

Methylene Chloride

Concen: 3.028 ug/l

RT: 4.77 min Scan# 498

Delta R.T. 0.02 min

Lab File: VY001757.D

Acq: 21 Feb 2020 20:39

Tgt Ion: 84 Resp: 6459

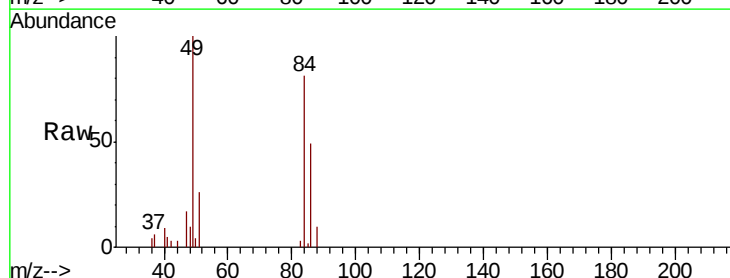
Ion Ratio Lower Upper

84 100

49 124.1 99.2 148.8

51 31.7 31.5 47.3

86 60.8 51.0 76.6

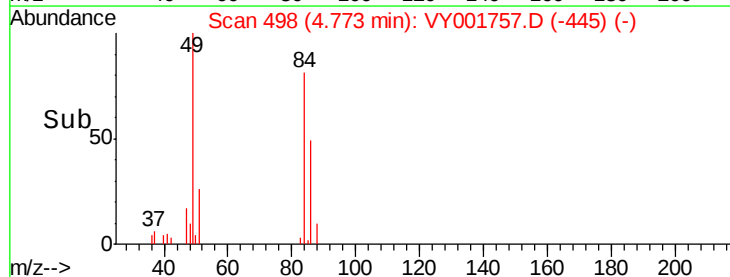
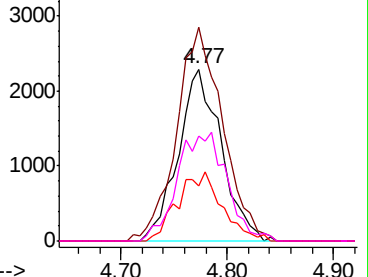


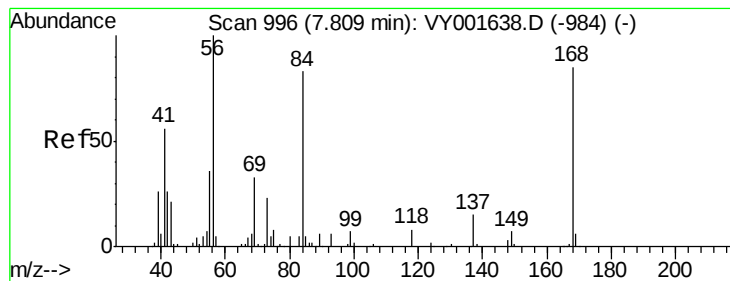
Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)





#31

Cyclohexane

Concen: 1.028 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001757.D

Acq: 21 Feb 2020 20:39

Instrument :
MSVOA_Y
ClientSampleId :

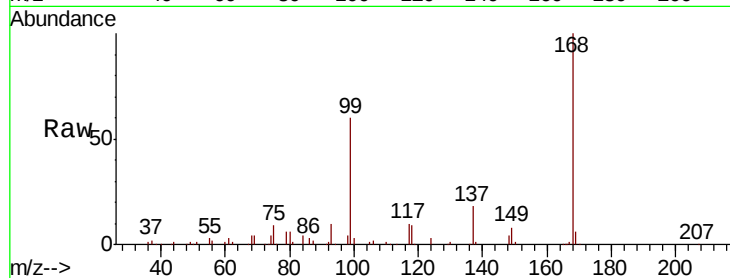
Tot Ion: 56 Resp: 3749

Ion Ratio Lower Upper

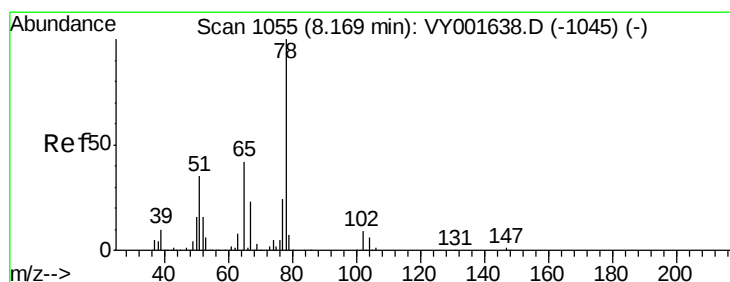
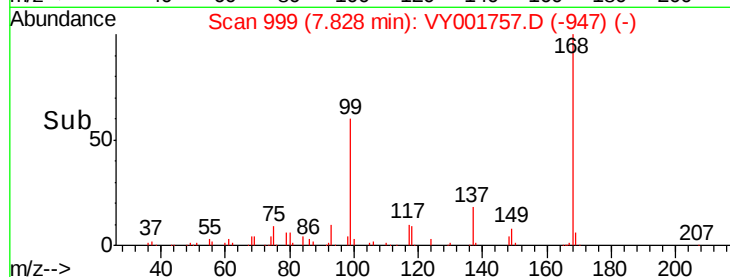
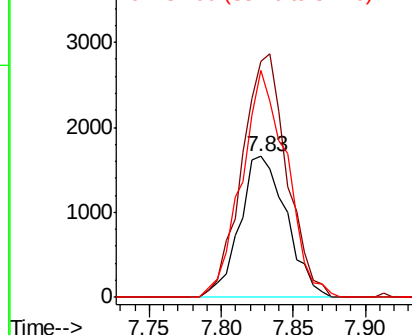
56 100

69 167.2 25.1 37.7#

84 161.3 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: 55.644 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VY001757.D

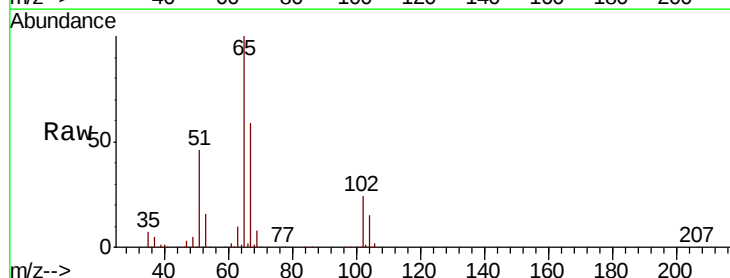
Acq: 21 Feb 2020 20:39

Tgt Ion: 65 Resp: 96568

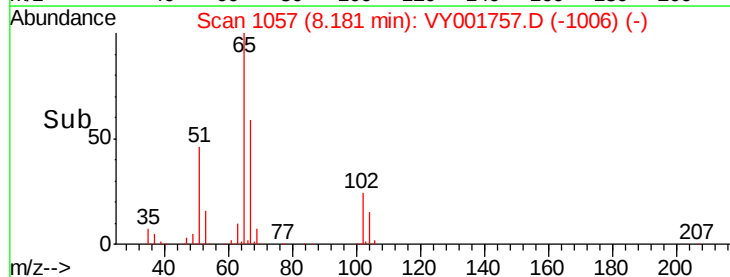
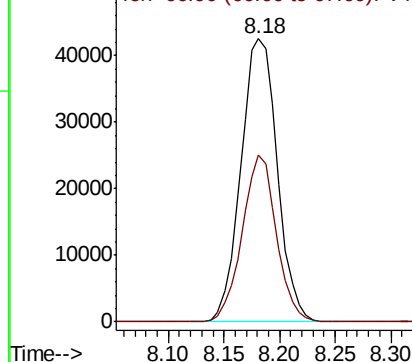
Ion Ratio Lower Upper

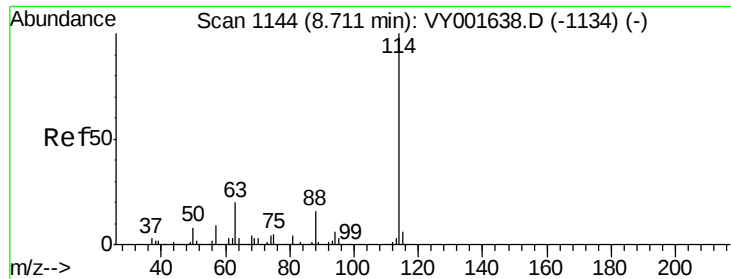
65 100

67 55.1 0.0 111.0



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

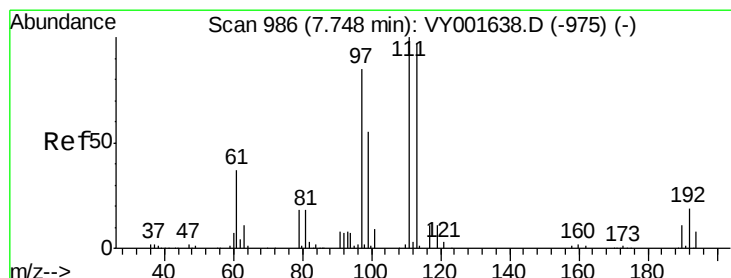
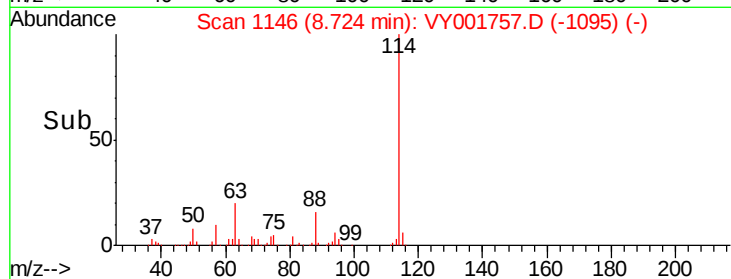
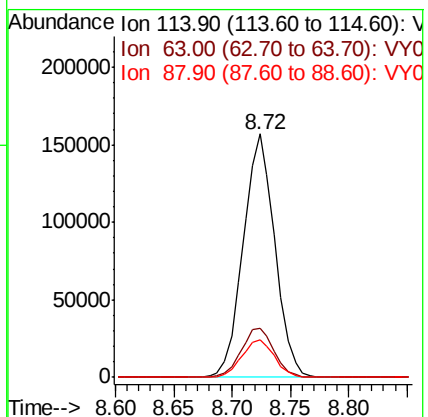
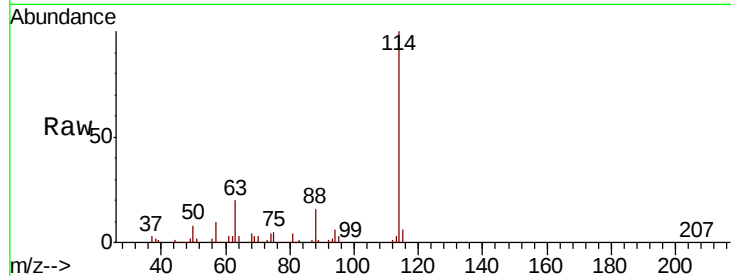




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VY001757.D
 Acq: 21 Feb 2020 20:39

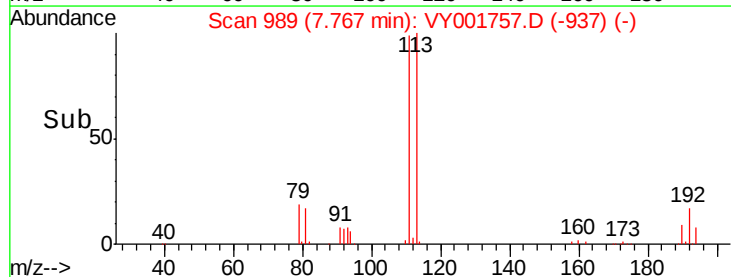
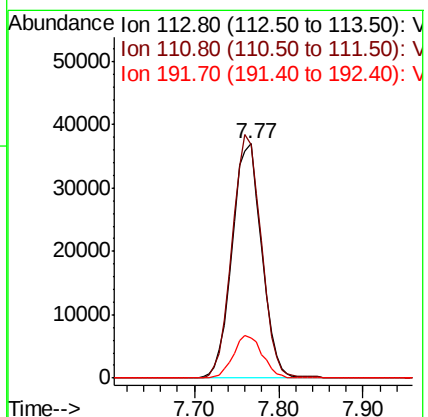
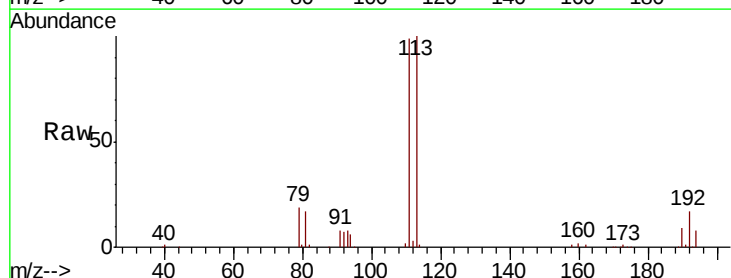
Instrument :
 MSVOA_Y
 ClientSampleId :

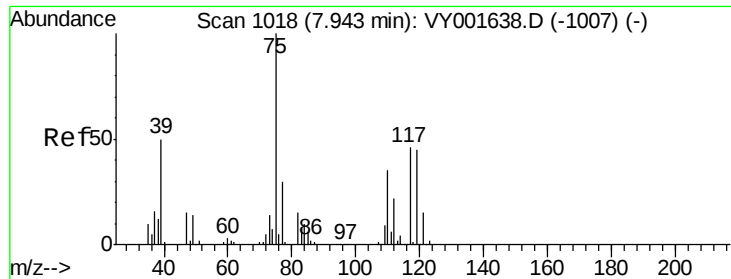
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.4
88	15.5	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 51.573 ug/l
 RT: 7.77 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VY001757.D
 Acq: 21 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	17.9	14.3	21.5

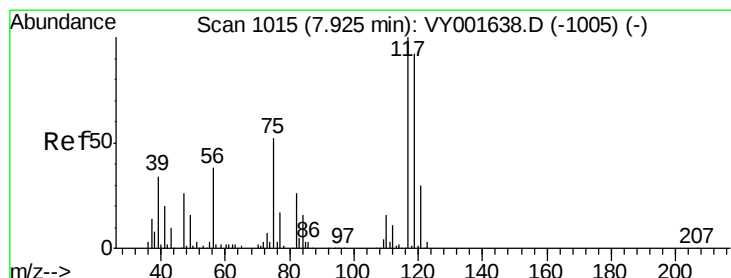
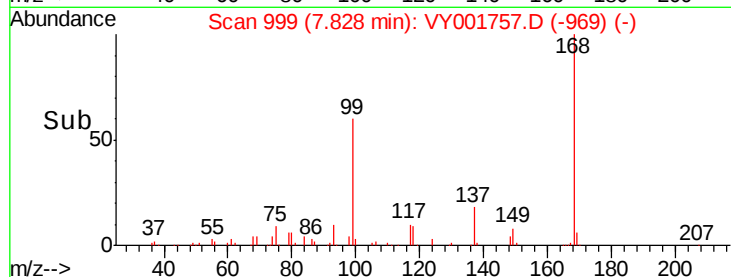
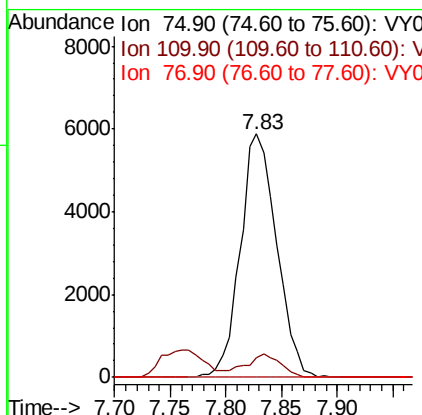
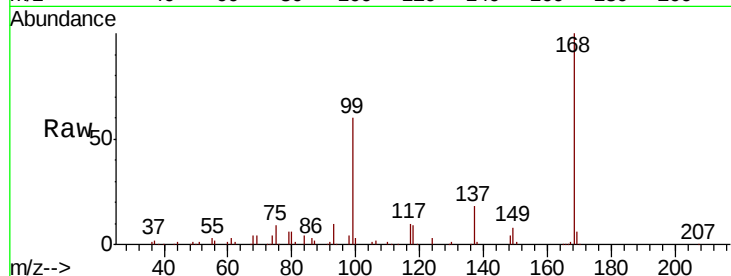




#36
 1,1-Dichloropropene
 Concen: 4.720 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.12 min
 Lab File: VY001757.D
 Acq: 21 Feb 2020 20:39

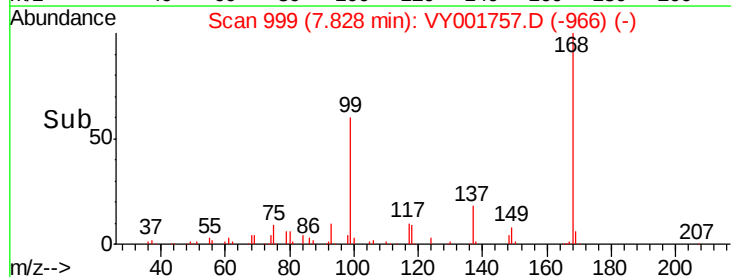
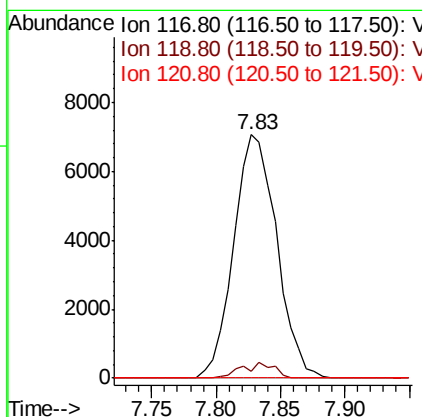
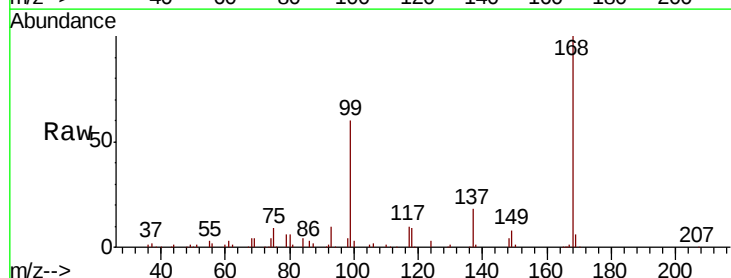
Instrument :
 MSVOA_Y
 ClientSampled :

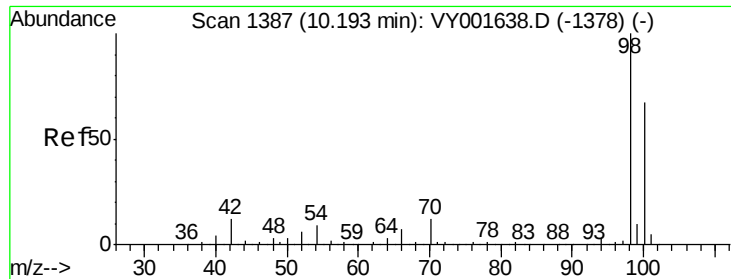
Tot Ion	75	Resp	13351
Ion Ratio	Lower	Upper	
75	100		
110	8.9	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.577 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.10 min
 Lab File: VY001757.D
 Acq: 21 Feb 2020 20:39

Tgt Ion	117	Resp	16341
Ion Ratio	Lower	Upper	
117	100		
119	2.6	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.248 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001757.D

Acq: 21 Feb 2020 20:39

Instrument :

MSVOA_Y

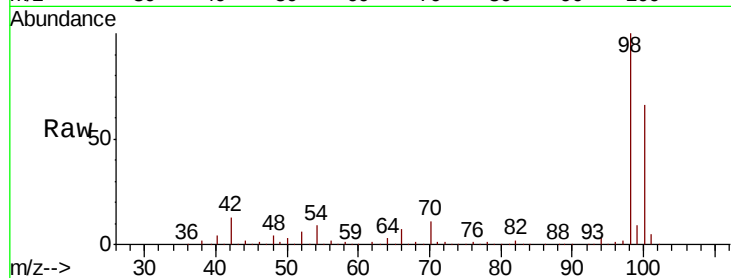
ClientSampleId :

Tot Ion: 98 Resp: 353831

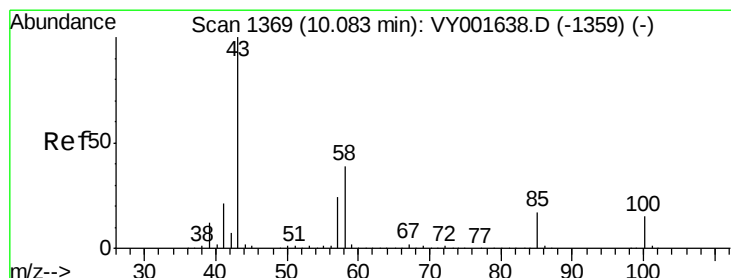
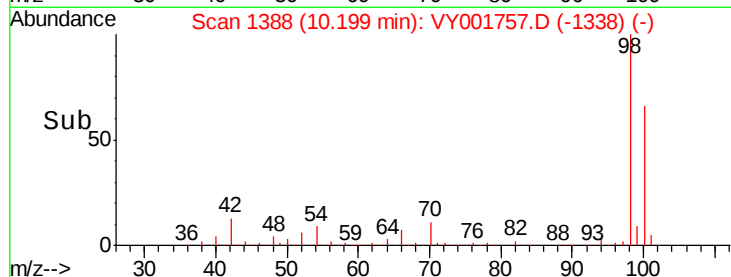
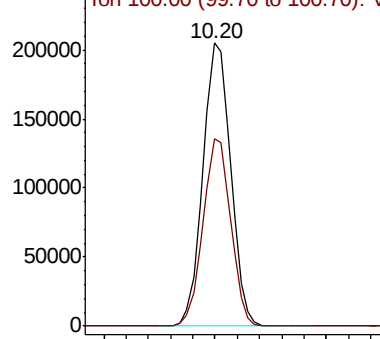
Ion Ratio Lower Upper

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: 1.002 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY001757.D

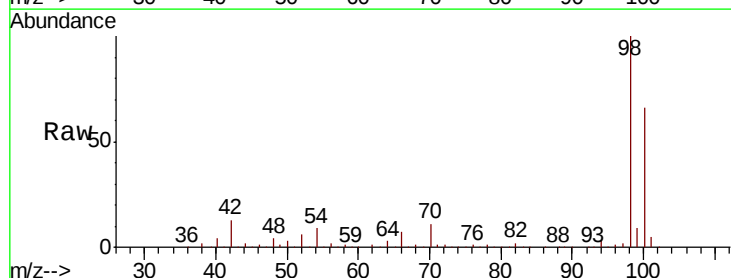
Acq: 21 Feb 2020 20:39

Tgt Ion: 43 Resp: 1649

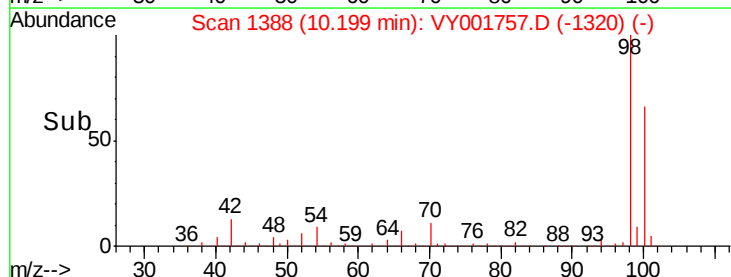
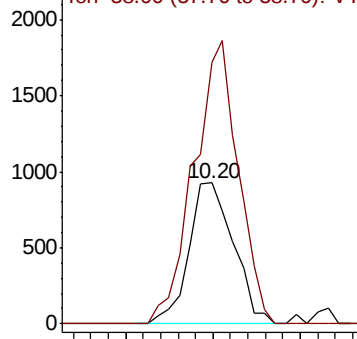
Ion Ratio Lower Upper

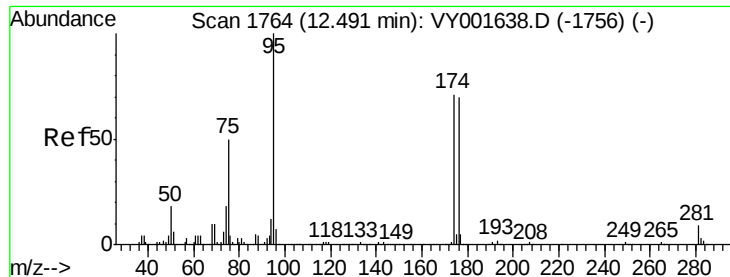
43 100

58 199.5 32.2 48.4#



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

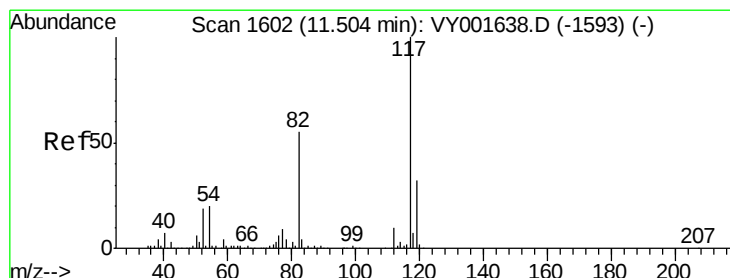
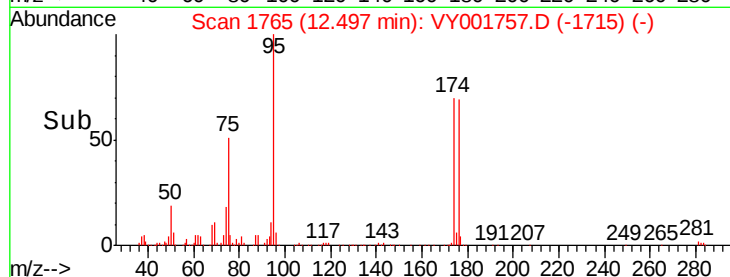
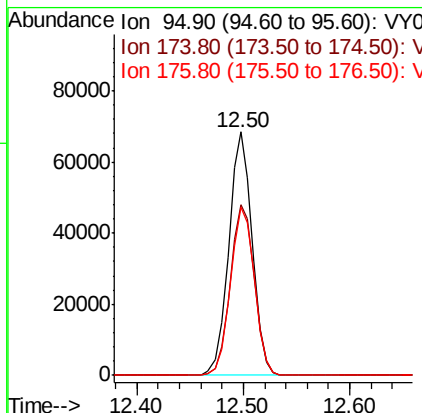
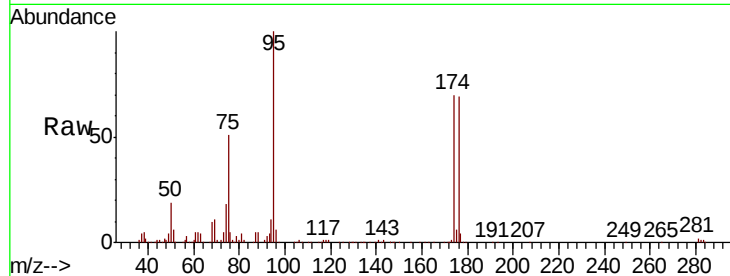




#62
4-Bromofluorobenzene
Concen: 40.638 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001757.D
Acq: 21 Feb 2020 20:39

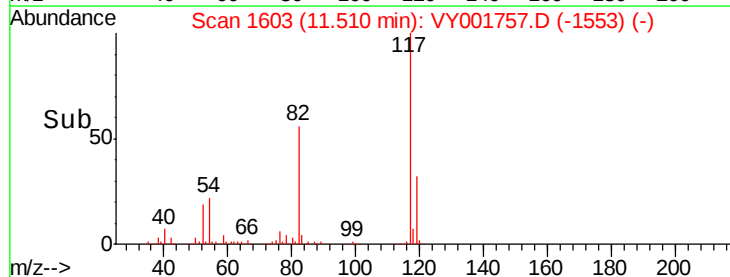
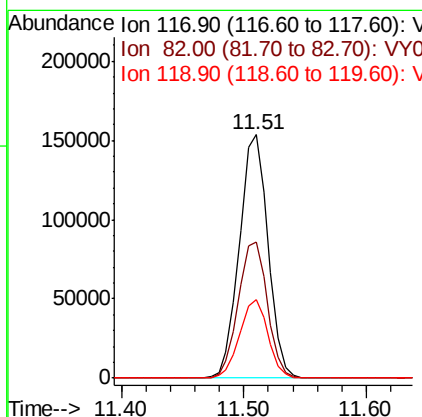
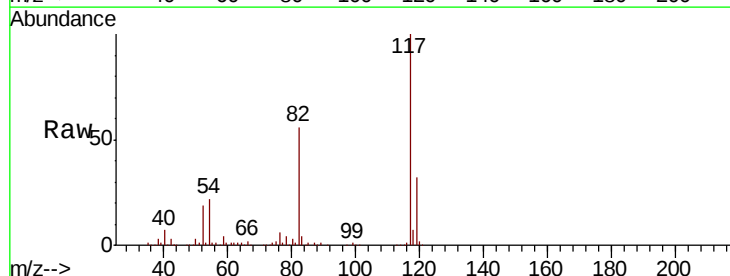
Instrument :
MSVOA_Y
ClientSampled :

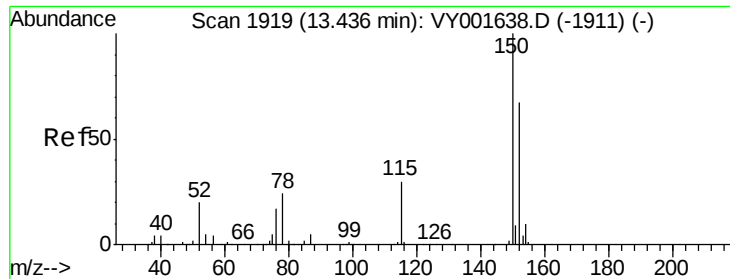
Tot Ion	95	Resp	104909
Ion Ratio	Lower	Upper	
95	100		
174	72.6	0.0	138.4
176	71.1	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001757.D
Acq: 21 Feb 2020 20:39

Tgt Ion	117	Resp	248372
Ion Ratio	Lower	Upper	
117	100		
82	56.1	45.5	68.3
119	32.3	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001757.D

Acq: 21 Feb 2020 20:39

Instrument :

MSVOA_Y

ClientSampleId :

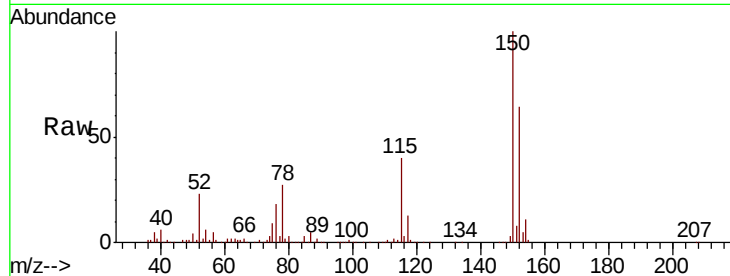
Tot Ion:152 Resp: 90315

Ion Ratio Lower Upper

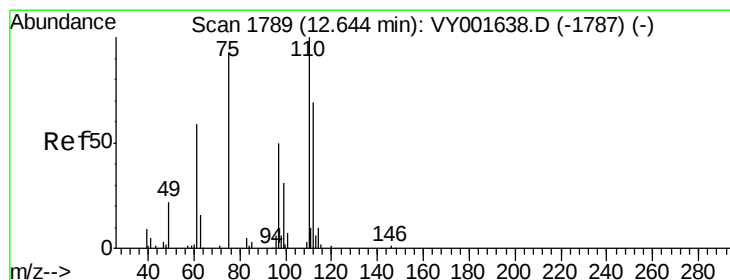
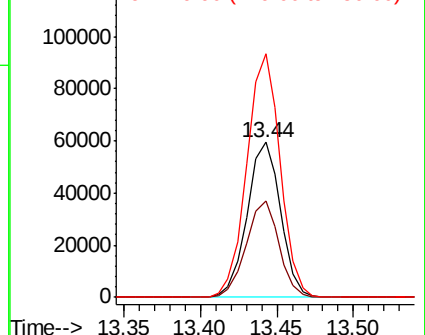
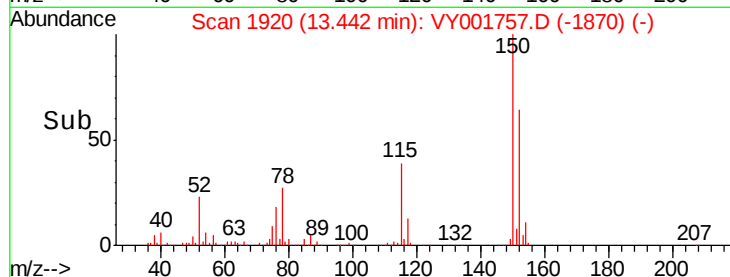
152 100

115 61.0 31.4 94.2

150 156.3 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: 52.611 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001757.D

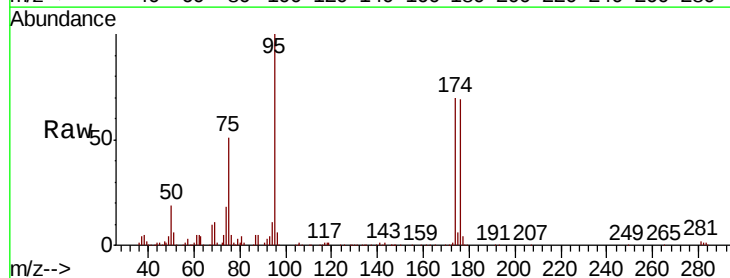
Acq: 21 Feb 2020 20:39

Tgt Ion: 75 Resp: 54507

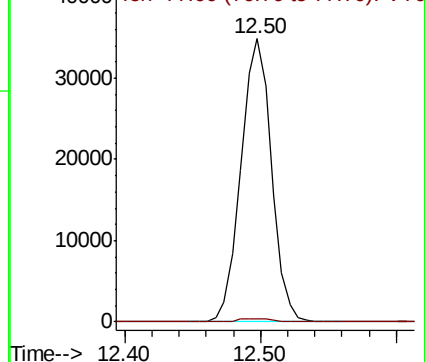
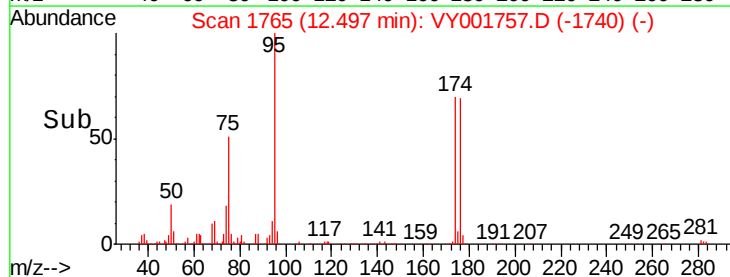
Ion Ratio Lower Upper

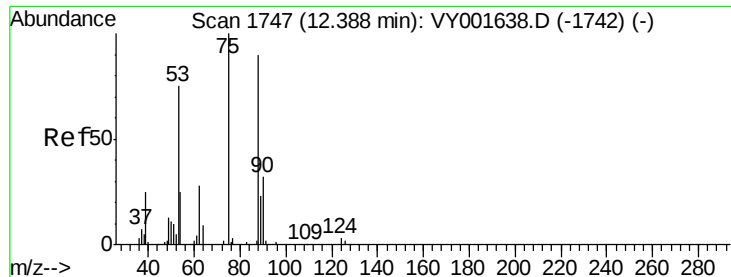
75 100

77 1.4 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: 99.813 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001757.D

Acq: 21 Feb 2020 20:39

Instrument :

MSVOA_Y

ClientSampleId :

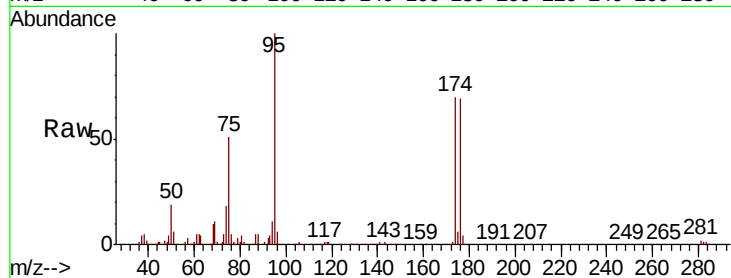
Tot Ion: 75 Resp: 54507

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

