

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001567.D
 Acq On : 07 Feb 2020 20:06
 Operator : SY/MD
 Sample : L1472-05
 Misc : 7.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:28:40 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	177421	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	317625	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	282150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	129147	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	103046	57.68	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.36%	
35) Dibromofluoromethane	7.75	113	91869	50.16	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.32%	
50) Toluene-d8	10.20	98	381723	55.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	110.18%	
62) 4-Bromofluorobenzene	12.50	95	129822	47.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.12%	

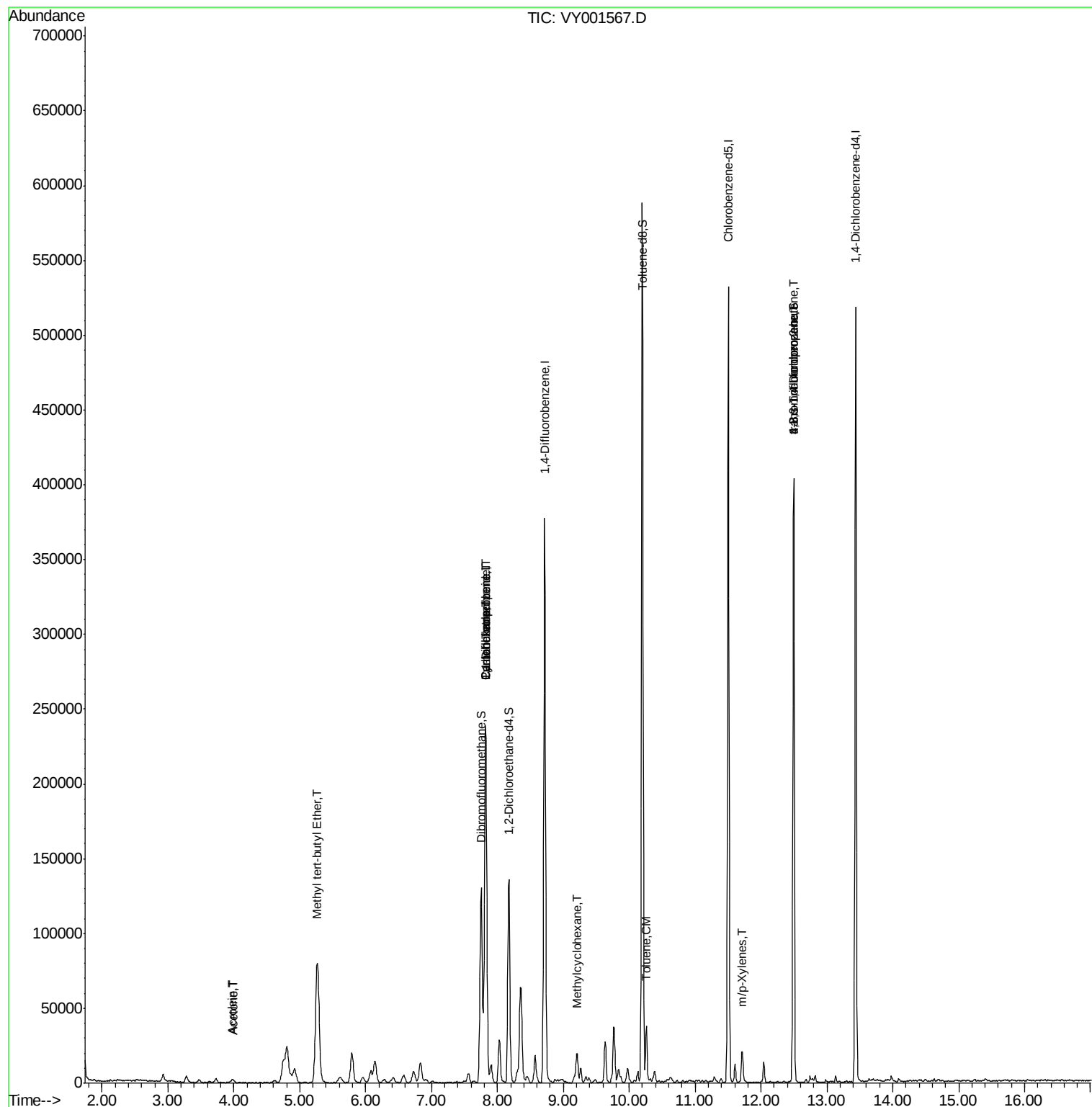
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	93	Below Cal	#	76
13) Acrolein	3.97	56	226	1.336	ug/l	98
16) Acetone	3.99	43	2610	5.051	ug/l	95
19) Methyl tert-butyl Ether	5.27	73	124703	25.138	ug/l #	72
20) Methylene Chloride	4.75	84	6298	Below Cal	#	91
31) Cyclohexane	7.81	56	11378	3.271	ug/l #	56
36) 1,1-Dichloropropene	7.83	75	13791	4.746	ug/l #	48
38) Carbon Tetrachloride	7.82	117	16687	5.936	ug/l #	15
39) Methylcyclohexane	9.20	83	4582	1.198	ug/l	96
52) Toluene	10.26	92	15700	2.986	ug/l	99
68) m/p-Xylenes	11.71	106	6158	1.601	ug/l	93
76) 1,2,3-Trichloropropane	12.49	75	66531	47.904	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	66531	92.691	ug/l #	16

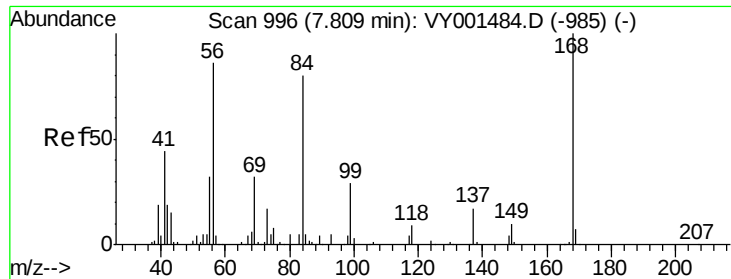
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
Data File : VY001567.D
Acq On : 07 Feb 2020 20:06
Operator : SY/MD
Sample : L1472-05
Misc : 7.85G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 08 01:28:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
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: VY001567.D

Acq: 07 Feb 2020 20:06

Instrument :

MSVOA_Y

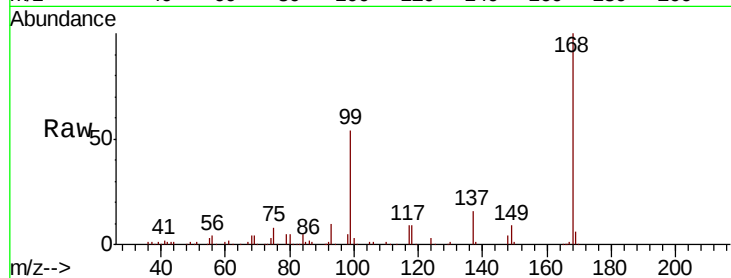
ClientSampleId :

Tot Ion:168 Resp: 177421

Ion Ratio Lower Upper

168 100

99 54.3 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

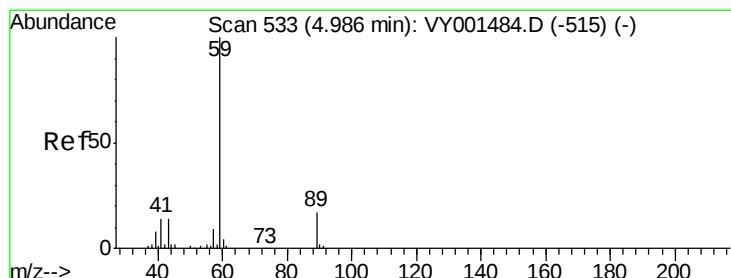
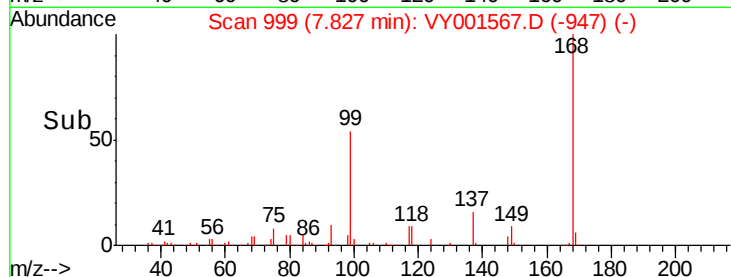
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 536

Delta R.T. 0.02 min

Lab File: VY001567.D

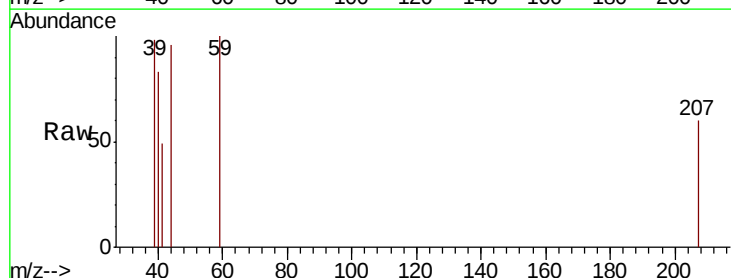
Acq: 07 Feb 2020 20:06

Tgt Ion: 59 Resp: 93

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

120

100

80

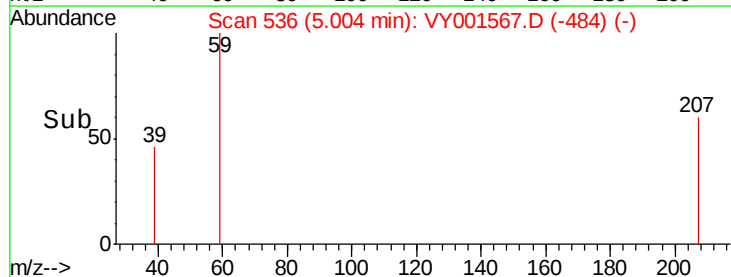
60

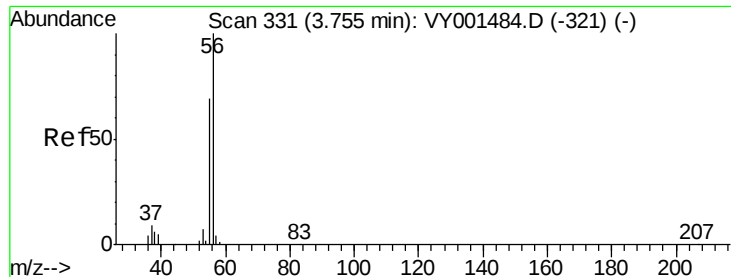
40

20

0

Time-->





#13

Acrolein

Concen: 1.336 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.22 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

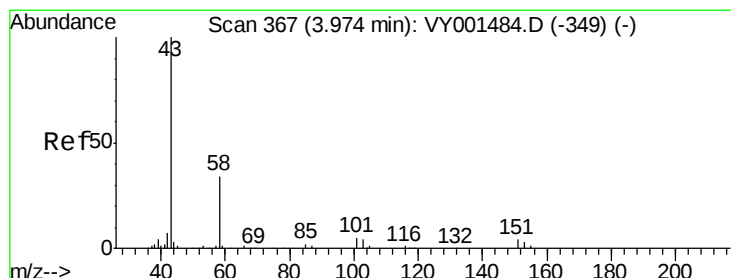
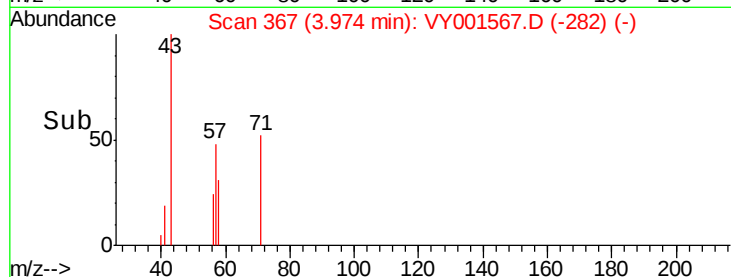
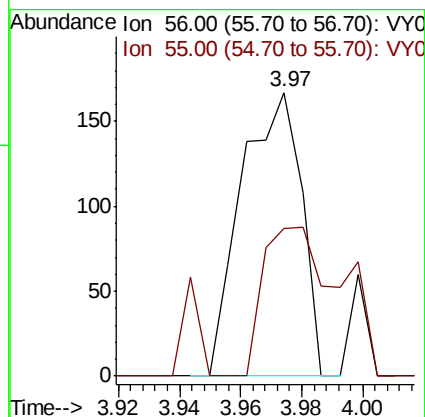
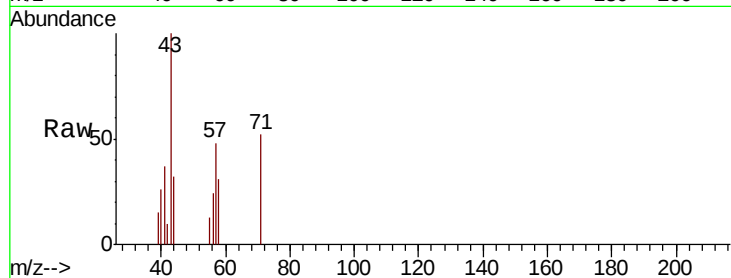
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 226

Ion Ratio Lower Upper

56 100

55 68.6 56.2 84.4



#16

Acetone

Concen: 5.051 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001567.D

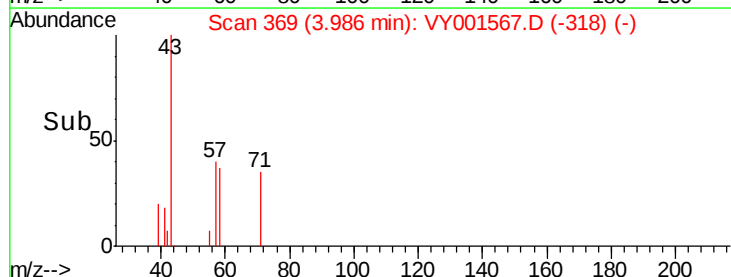
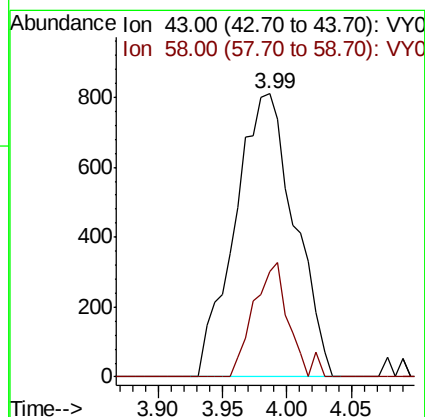
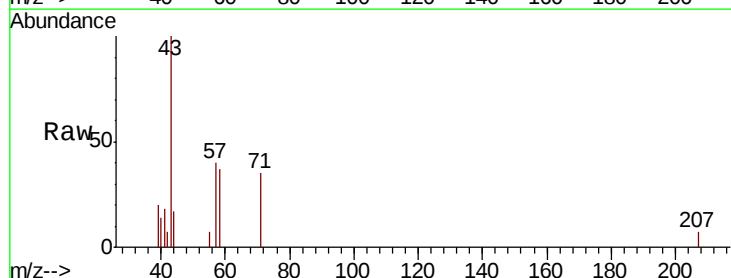
Acq: 07 Feb 2020 20:06

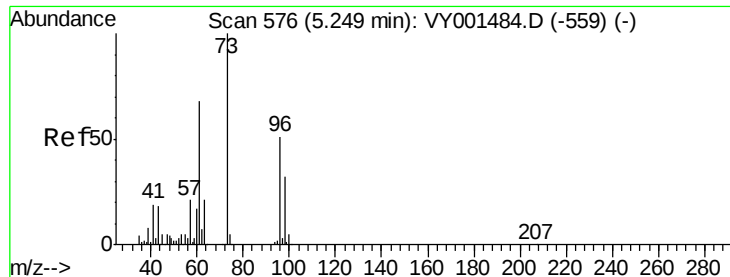
Tgt Ion: 43 Resp: 2610

Ion Ratio Lower Upper

43 100

58 37.2 27.5 41.3

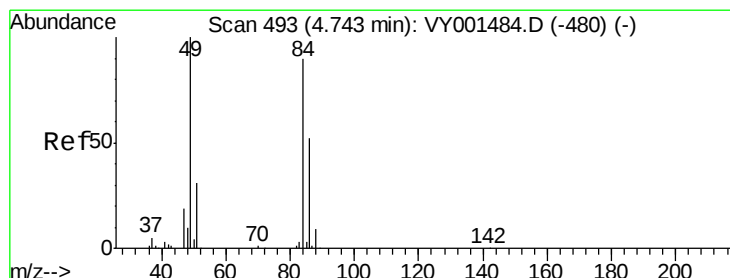
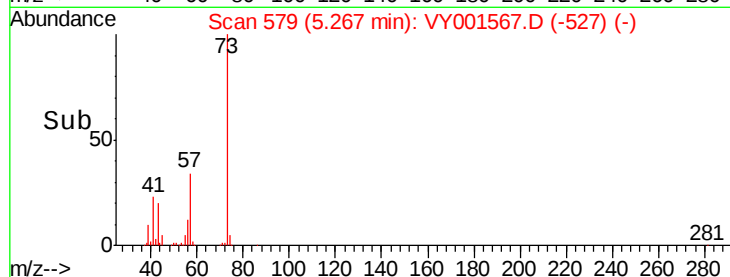
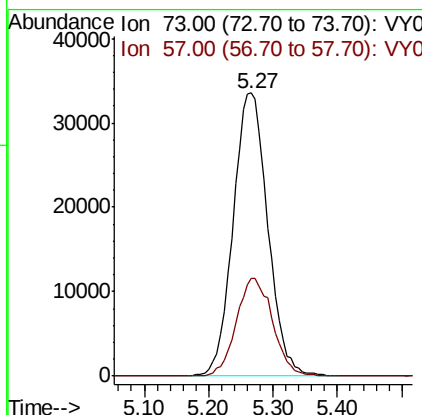
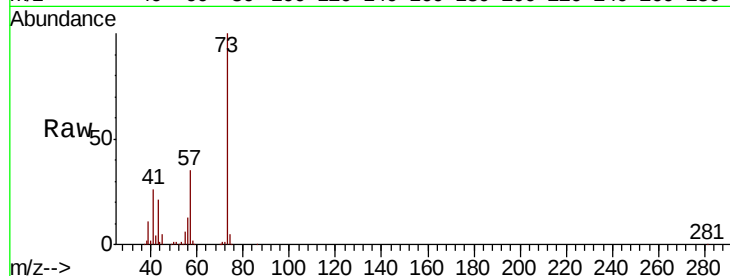




#19
Methvl tert-butvl Ether
Concen: 25.138 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.02 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

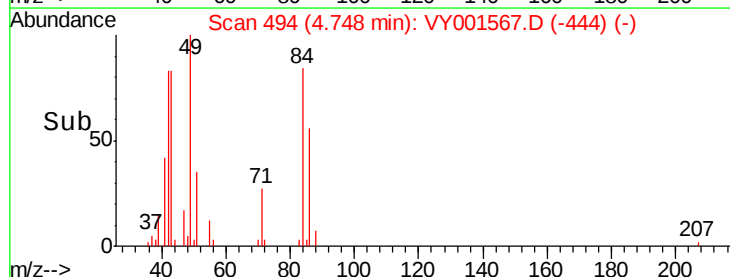
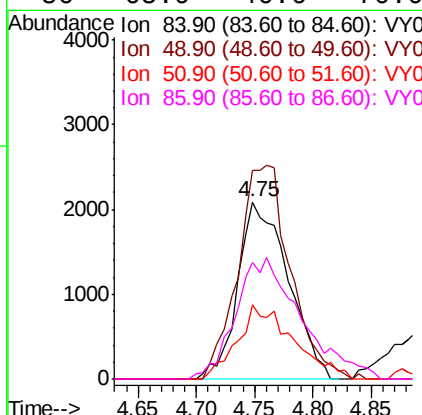
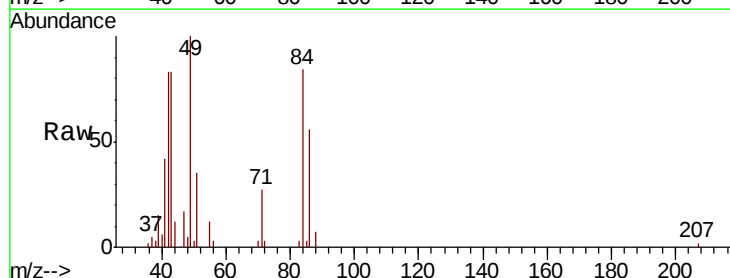
Instrument :
MSVOA_Y
ClientSampleId :

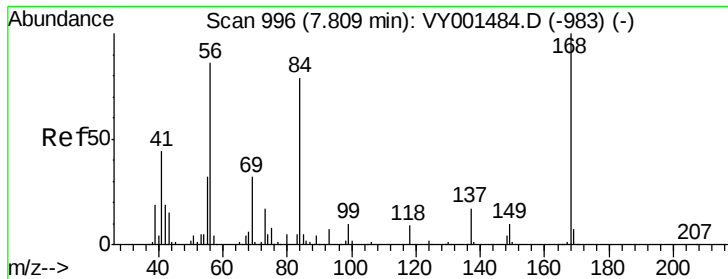
Tot Ion: 73 Resp: 124703
Ion Ratio Lower Upper
73 100
57 34.6 17.0 25.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Tgt Ion: 84 Resp: 6298
Ion Ratio Lower Upper
84 100
49 118.5 89.0 133.6
51 41.7 27.4 41.2#
86 65.9 46.6 70.0

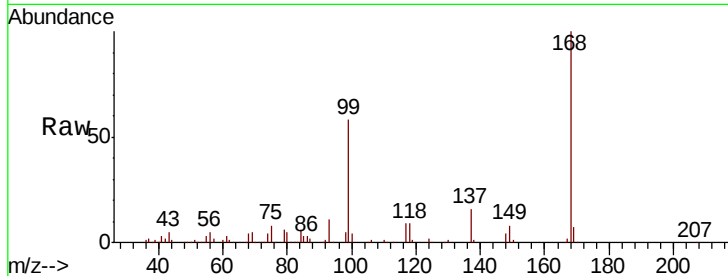




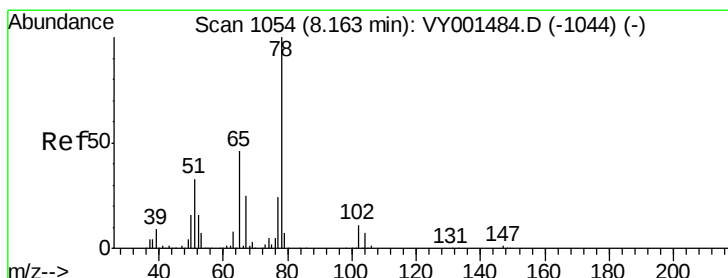
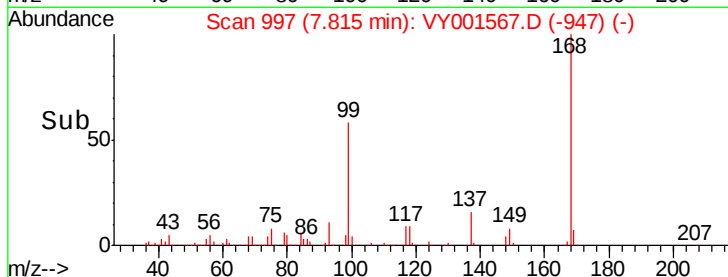
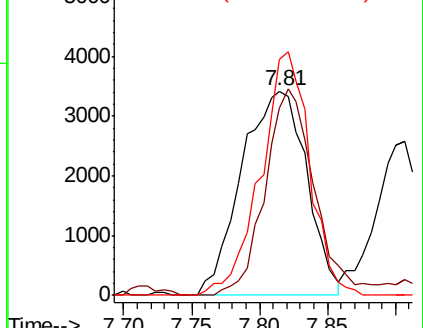
#31
Cyclohexane
Concen: 3.271 ug/l
RT: 7.81 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 11378
Ion Ratio Lower Upper
56 100
69 91.6 29.6 44.4#
84 115.8 73.6 110.4#

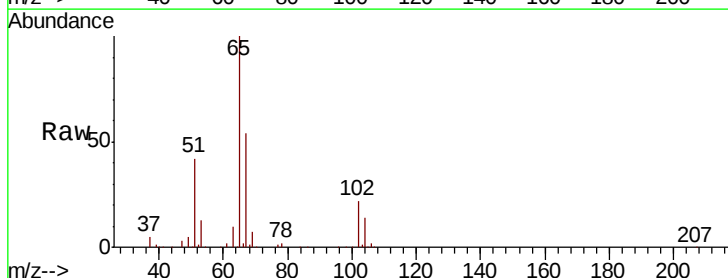


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

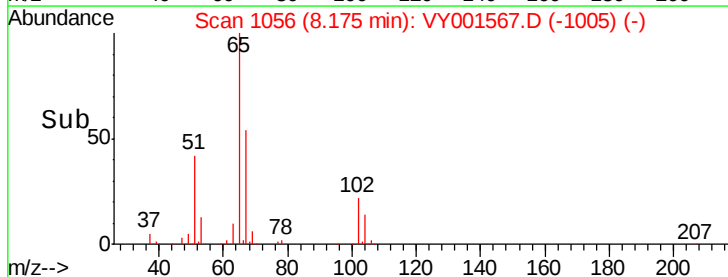
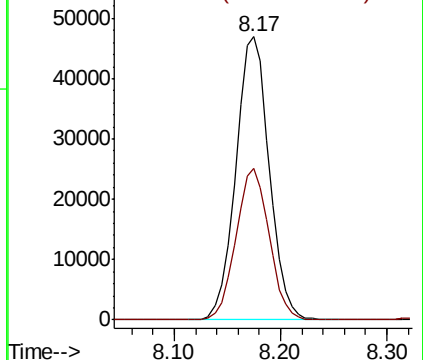


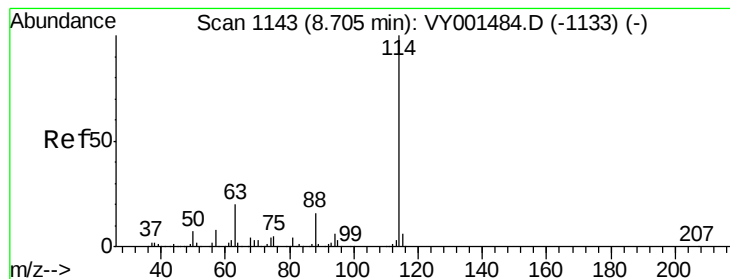
#33
1,2-Dichloroethane-d4
Concen: 57.685 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Tgt Ion: 65 Resp: 103046
Ion Ratio Lower Upper
65 100
67 53.3 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: VY001567.D

Acq: 07 Feb 2020 20:06

Instrument :

MSVOA_Y

ClientSampleId :

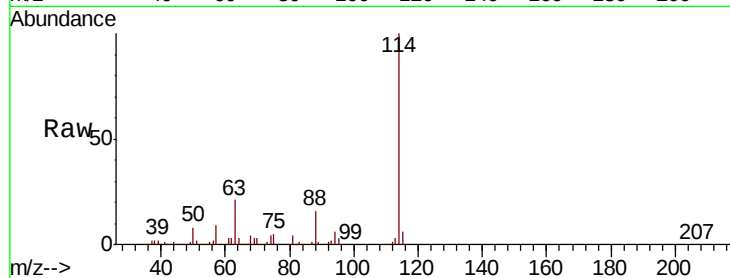
Tot Ion:114 Resp: 317625

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.8

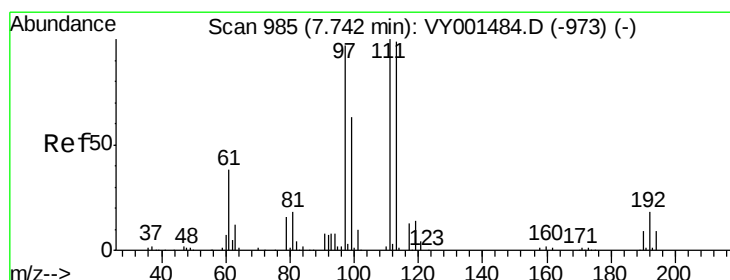
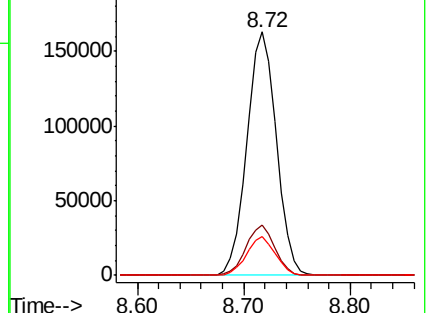
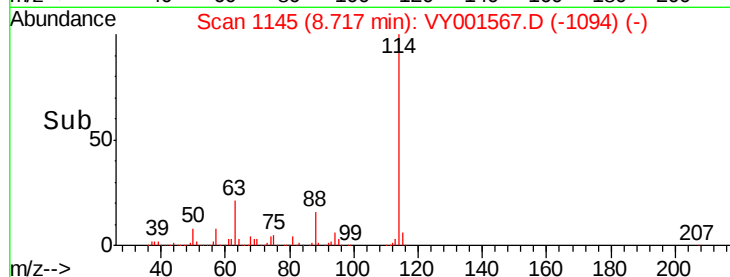
88 15.9 0.0 32.6



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: 50.158 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

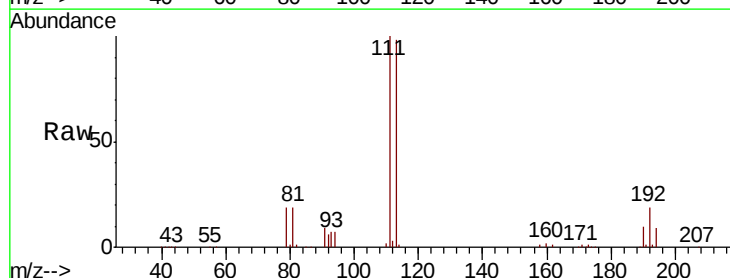
Tgt Ion:113 Resp: 91869

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

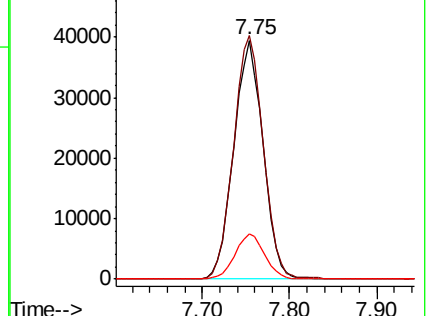
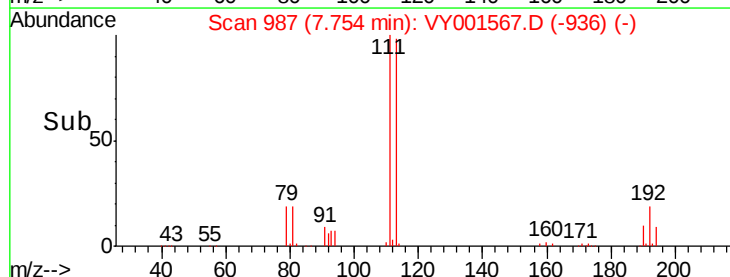
192 19.0 14.6 22.0

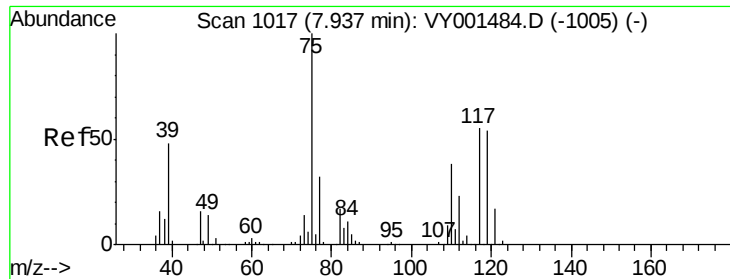


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

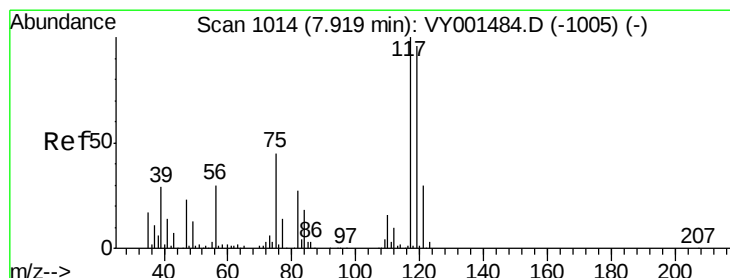
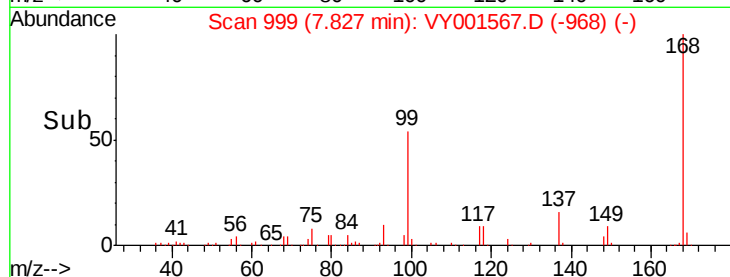
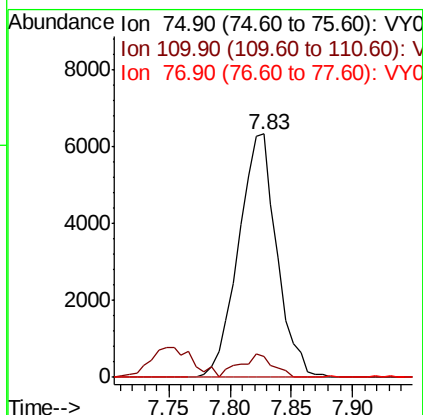
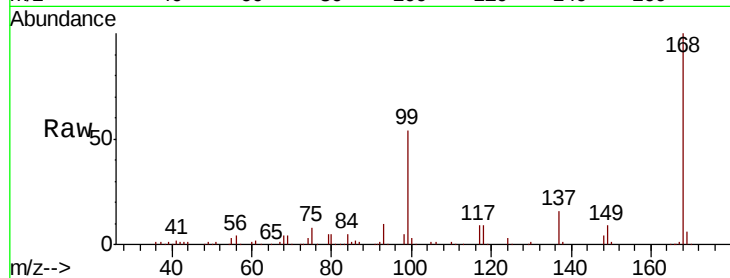




#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY001567.D
 Acq: 07 Feb 2020 20:06

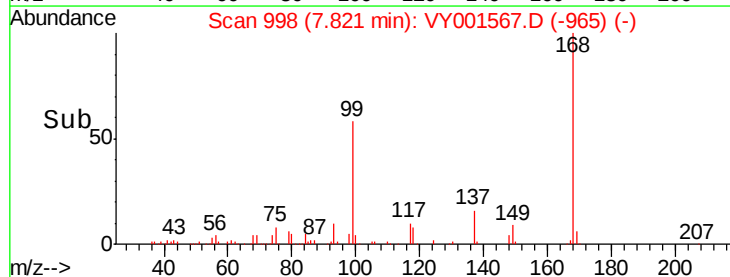
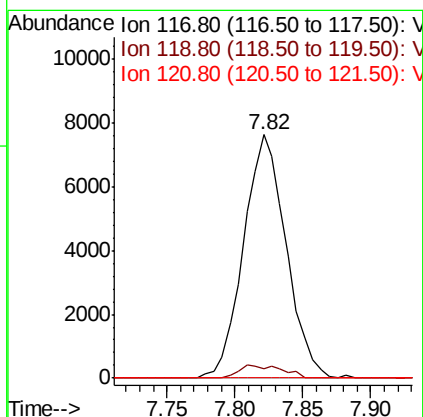
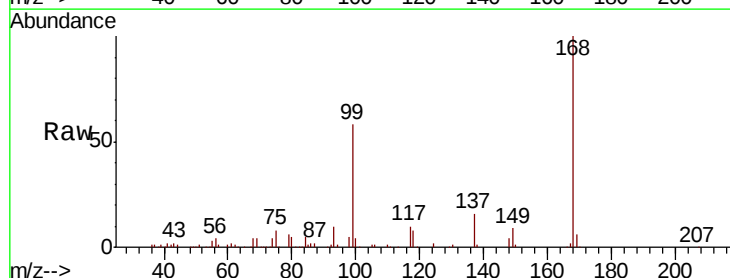
Instrument :
 MSVOA_Y
 ClientSampleId :

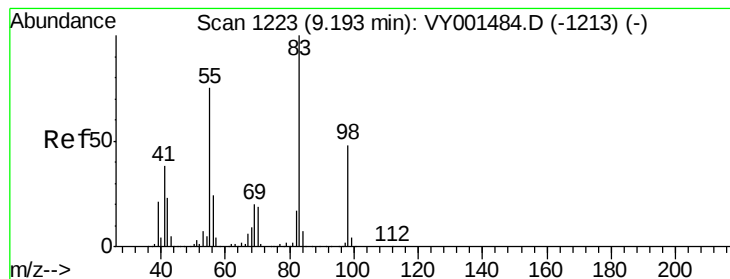
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.936 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001567.D
 Acq: 07 Feb 2020 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.4	114.6#
121	0.0	24.2	36.4#

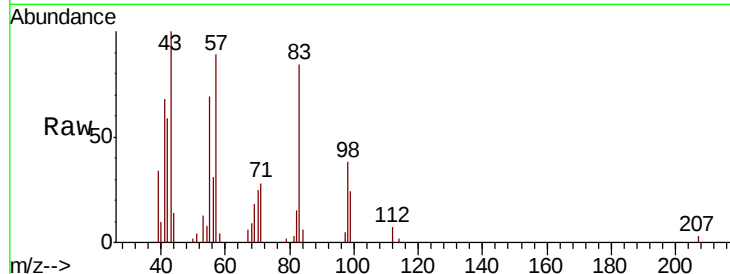




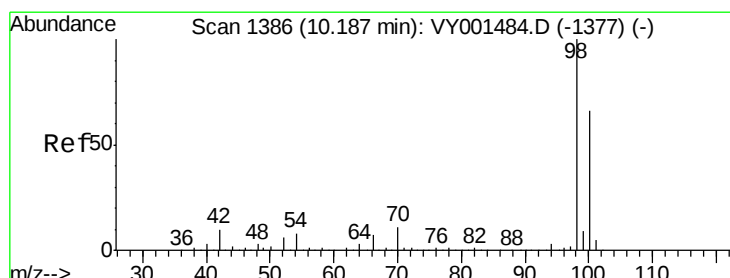
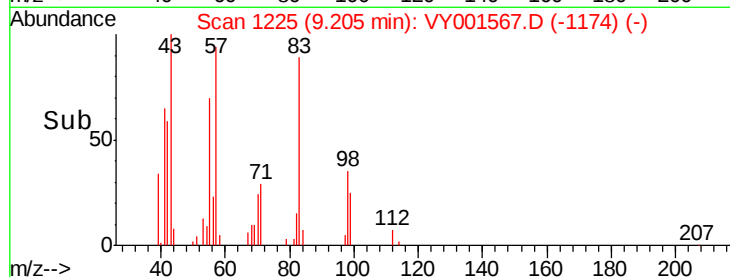
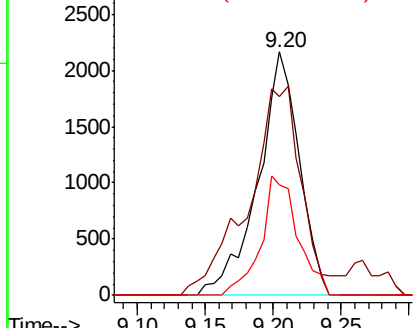
#39
Methvlcvclohexane
Concen: 1.198 ug/l
RT: 9.20 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 4582
Ion Ratio Lower Upper
83 100
55 78.0 59.8 89.6
98 45.5 38.6 57.8

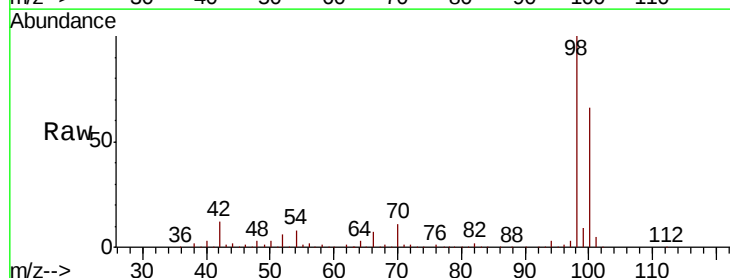


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

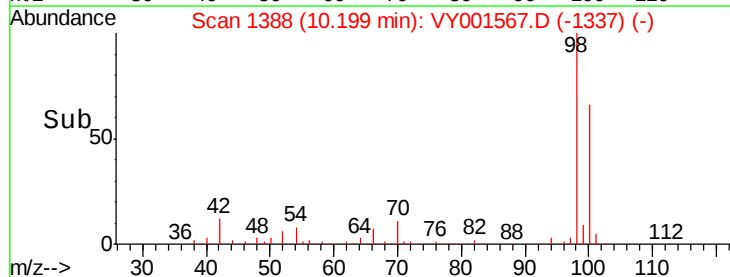
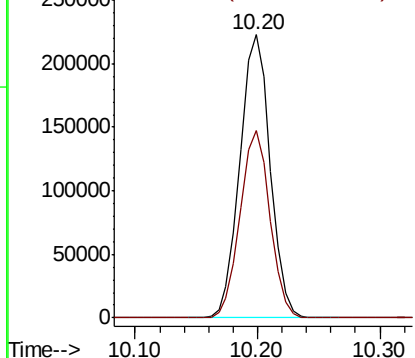


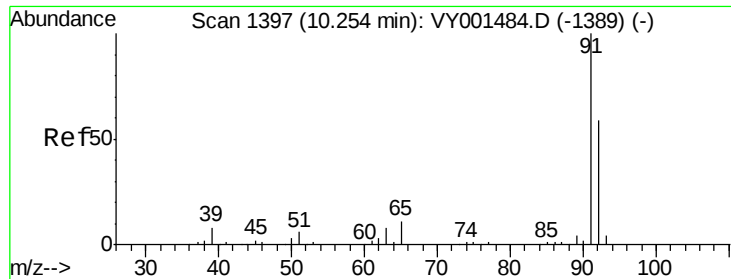
#50
Toluene-d8
Concen: 55.085 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Tgt Ion: 98 Resp: 381723
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#52

Toluene

Concen: 2.986 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

Instrument :

MSVOA_Y

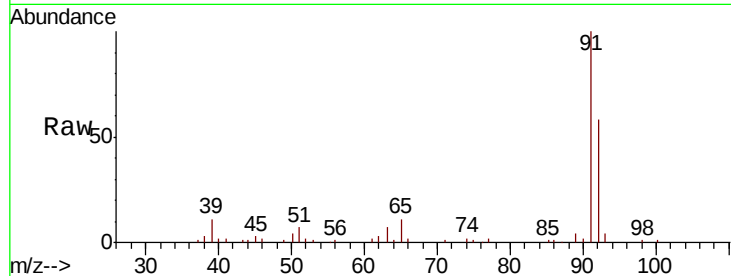
ClientSampleId :

Tot Ion: 92 Resp: 15700

Ion Ratio Lower Upper

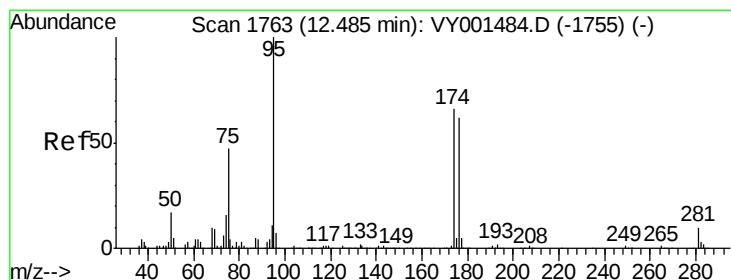
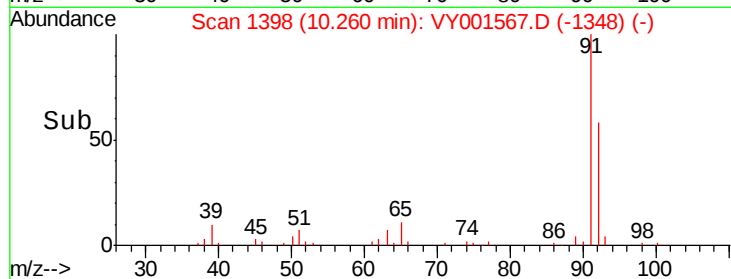
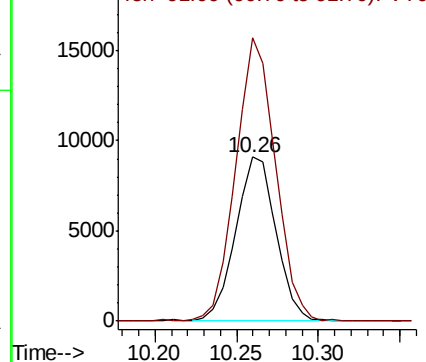
92 100

91 169.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001567.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY001567.D (-1389) (-)



#62

4-Bromofluorobenzene

Concen: 47.555 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

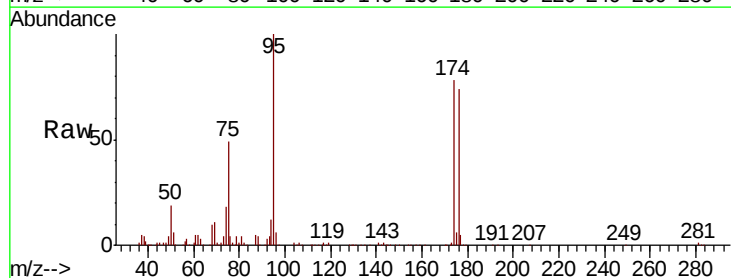
Tgt Ion: 95 Resp: 129822

Ion Ratio Lower Upper

95 100

174 75.7 0.0 141.4

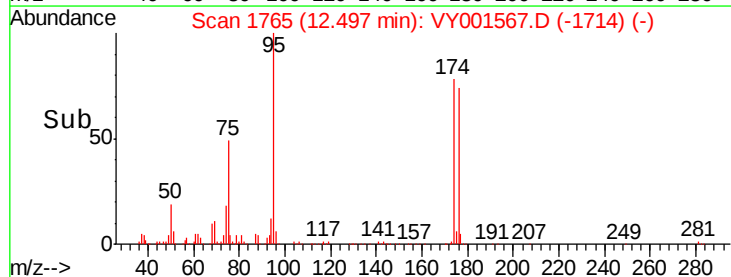
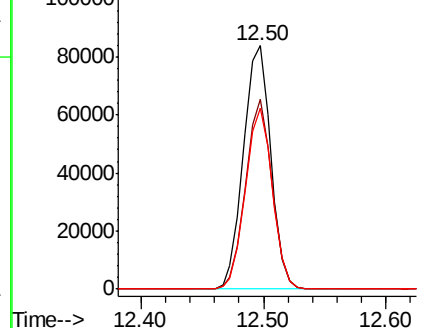
176 73.1 0.0 135.4

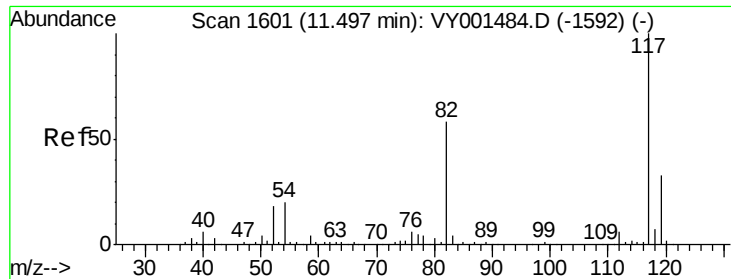


Abundance Ion 94.90 (94.60 to 95.60): VY001567.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001567.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001567.D (-1714) (-)

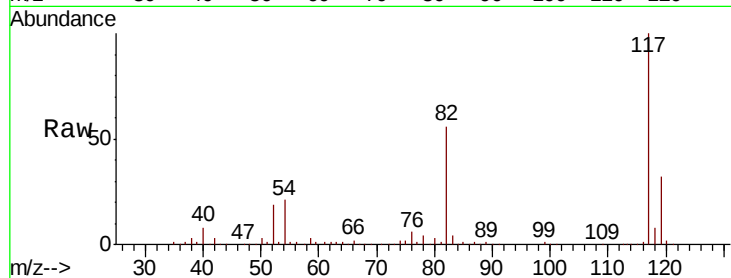




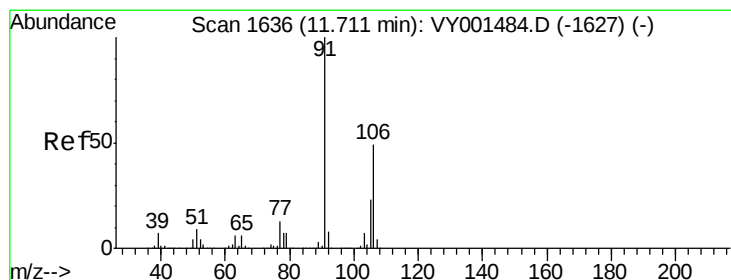
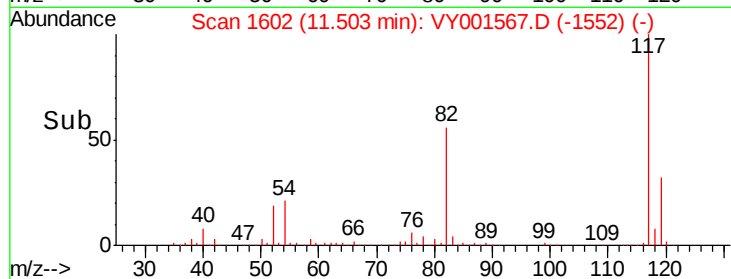
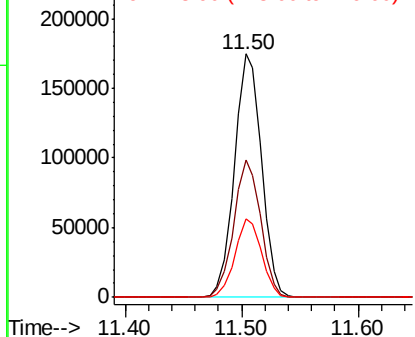
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 282150
Ion Ratio Lower Upper
117 100
82 56.3 46.1 69.1
119 32.3 26.1 39.1

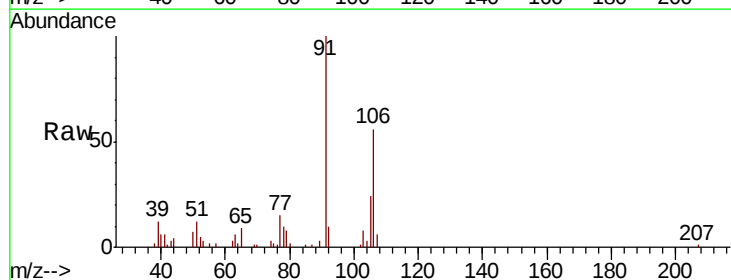


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

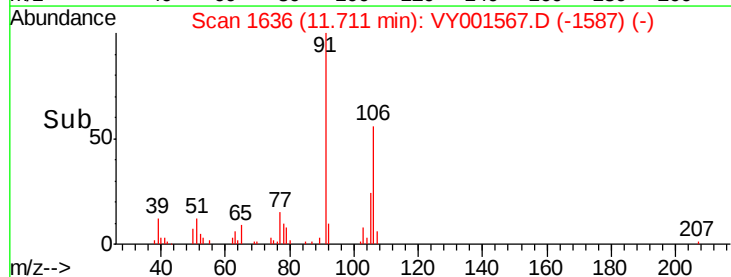
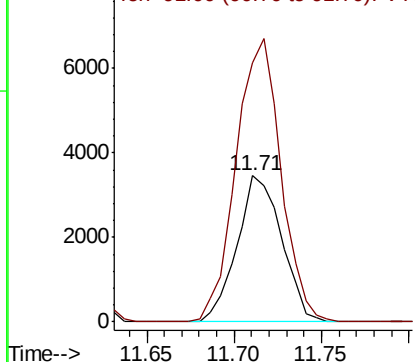


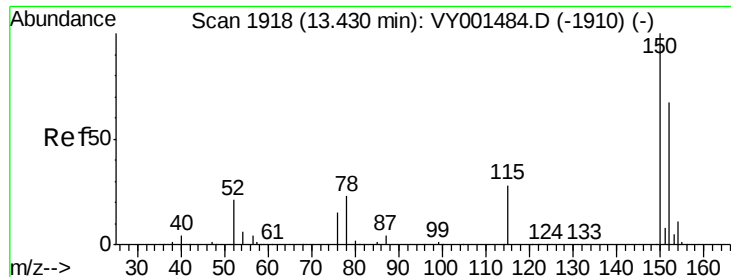
#68
m/p-Xylenes
Concen: 1.601 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001567.D
Acq: 07 Feb 2020 20:06

Tgt Ion:106 Resp: 6158
Ion Ratio Lower Upper
106 100
91 194.3 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001567.D

Acq: 07 Feb 2020 20:06

Instrument :

MSVOA_Y

ClientSampleId :

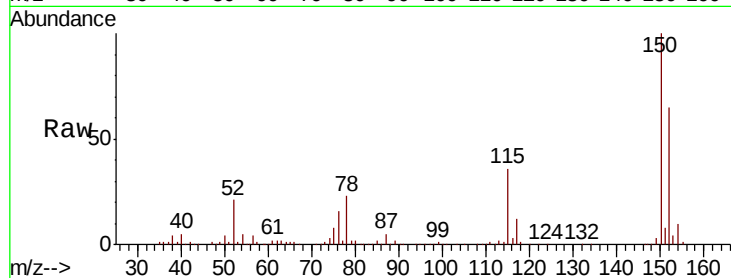
Tot Ion:152 Resp: 129147

Ion Ratio Lower Upper

152 100

115 59.9 31.4 94.3

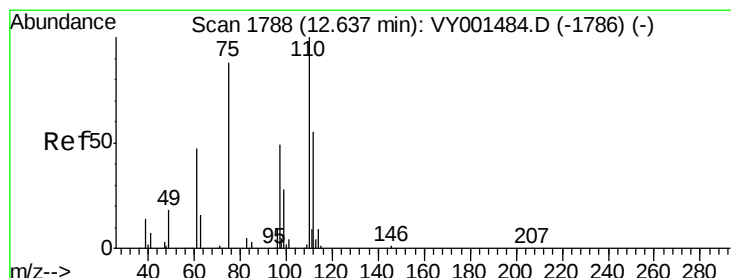
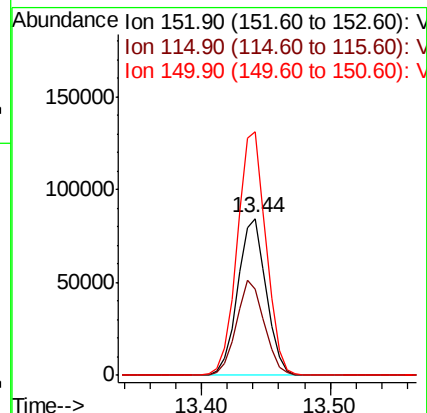
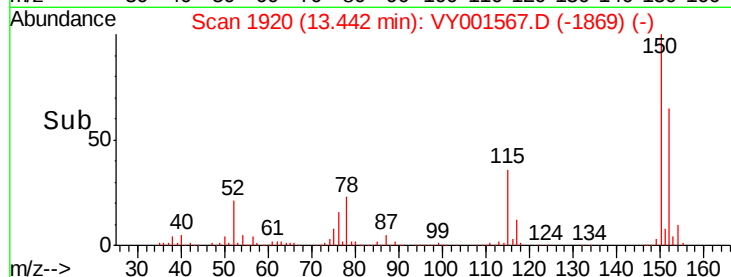
150 157.0 0.0 346.8



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: 47.904 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001567.D

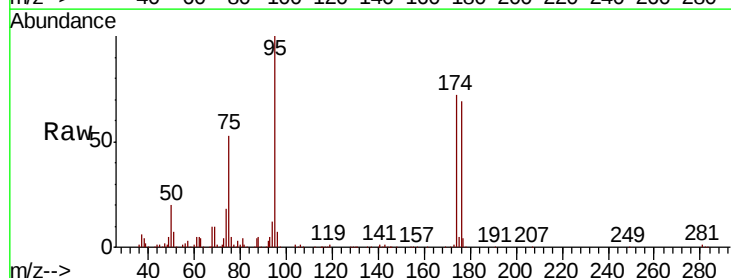
Acq: 07 Feb 2020 20:06

Tgt Ion: 75 Resp: 66531

Ion Ratio Lower Upper

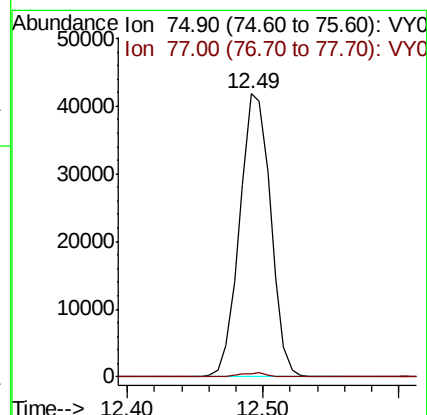
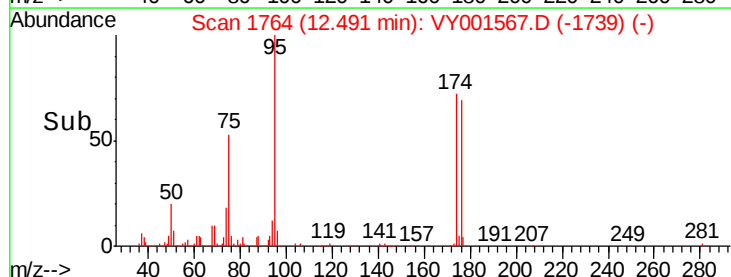
75 100

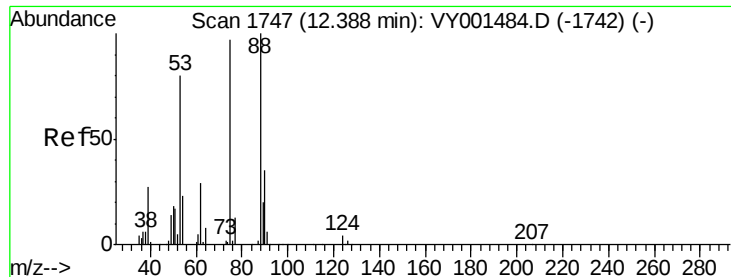
77 1.4 0.0 0.0#



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: 92.691 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001567.D
 Acq: 07 Feb 2020 20:06

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 66531
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.3 34.6 52.0#

