

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001835.D
 Acq On : 03 Mar 2020 15:20
 Operator : SY/MD
 Sample : L1762-01
 Misc : 11.56G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-030220

Quant Time: Mar 04 03:41:07 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	7.80	168	145912	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	278730	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	232845	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	85498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	81941	52.21	ug/l	-0.02
Spiked Amount			Recovery	=	104.42%	
35) Dibromofluoromethane	7.73	113	79330	49.69	ug/l	-0.02
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.18	98	329878	52.74	ug/l	-0.01
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.48	95	97317	40.05	ug/l	0.00
Spiked Amount			Recovery	=	80.10%	

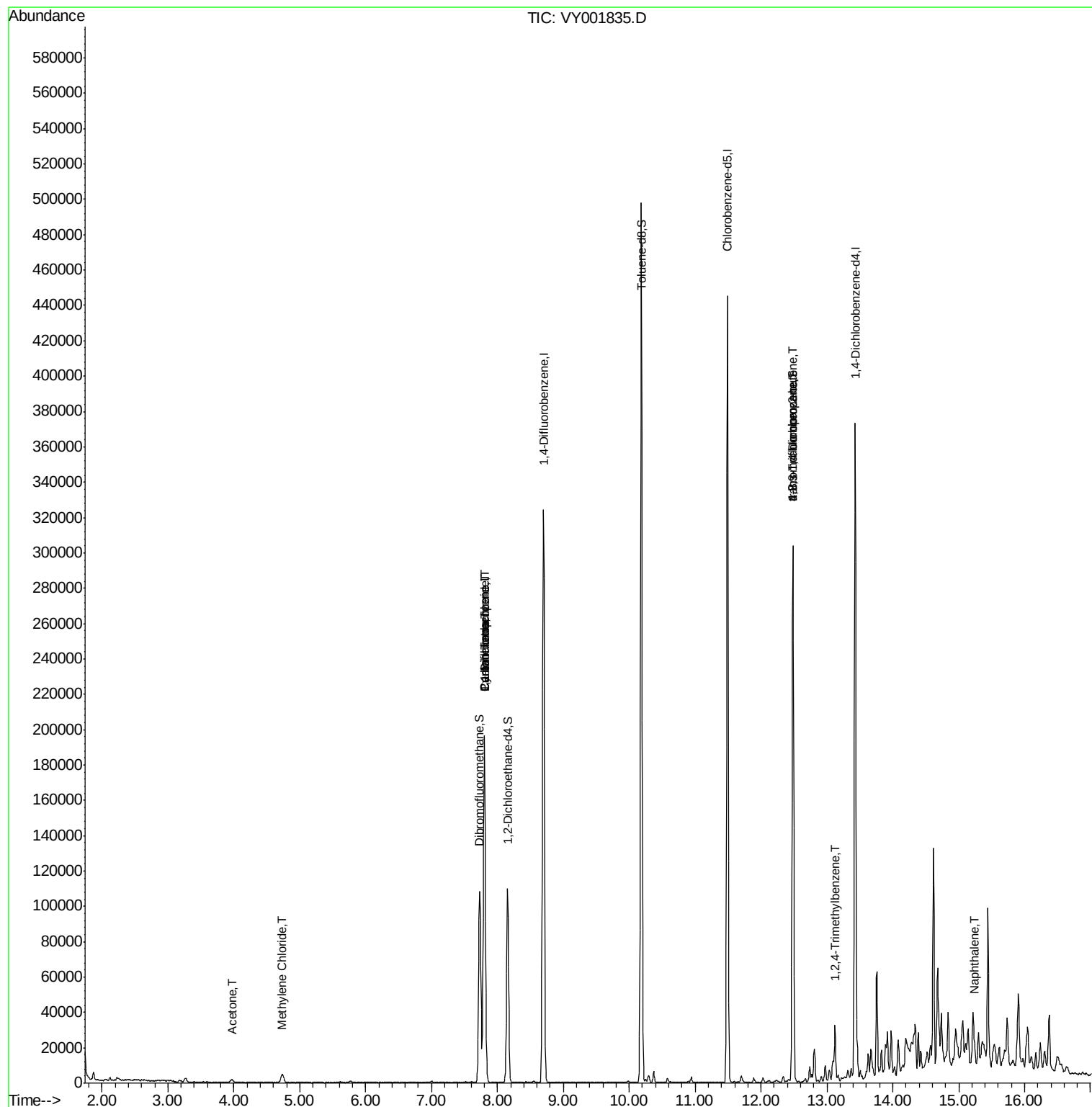
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	149	Below Cal	#	74
16) Acetone	3.97	43	3247	5.979	ug/l	98
20) Methylene Chloride	4.73	84	3571	1.851	ug/l	88
31) Cyclohexane	7.80	56	3357	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12566	4.720	ug/l #	50
38) Carbon Tetrachloride	7.80	117	14527	6.212	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	49300	50.266	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	49300	95.364	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	16671	3.101	ug/l	100
95) Naphthalene	15.24	128	4773	1.236	ug/l #	81

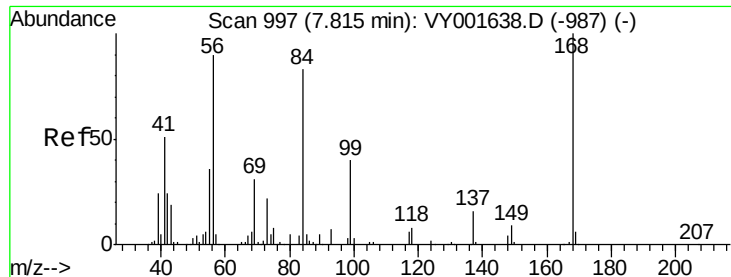
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001835.D

Acq: 03 Mar 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

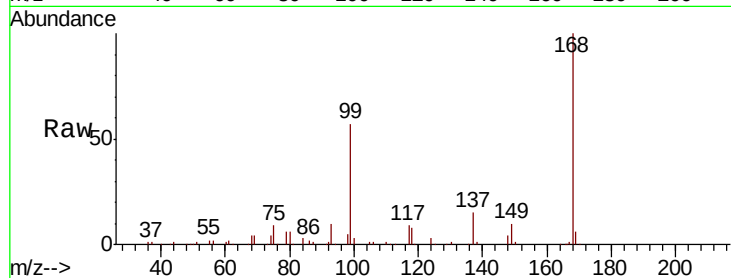
TR-04-030220

Tot Ion:168 Resp: 145912

Ion Ratio Lower Upper

168 100

99 57.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.80

60000

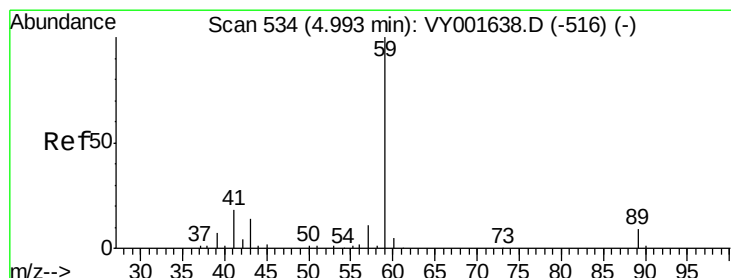
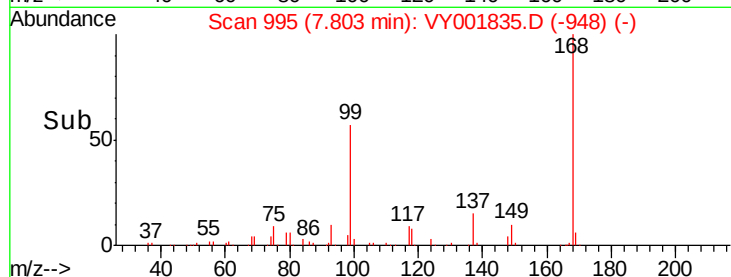
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001835.D

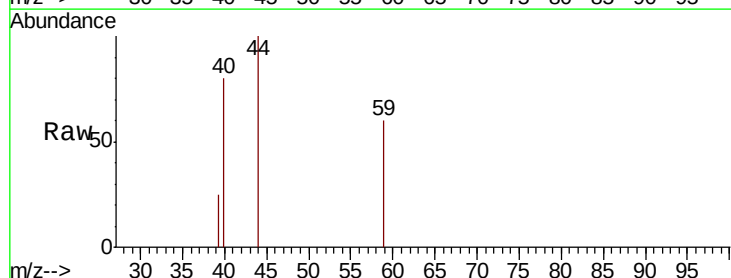
Acq: 03 Mar 2020 15:20

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001835.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001835.D (-485) (-)

4.97

150

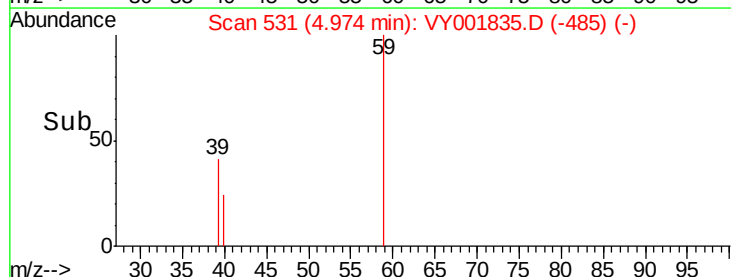
100

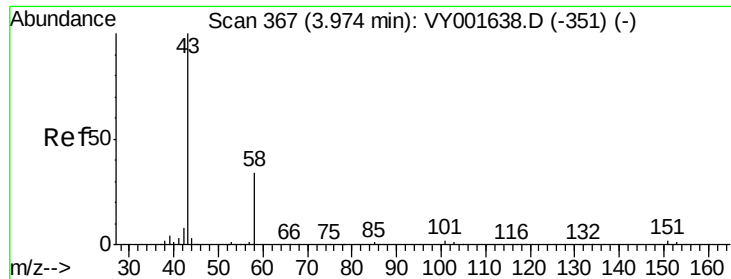
50

0

4.94 4.96 4.98 5.00 5.02

Time-->





#16

Acetone

Concen: 5.979 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY001835.D

Acq: 03 Mar 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

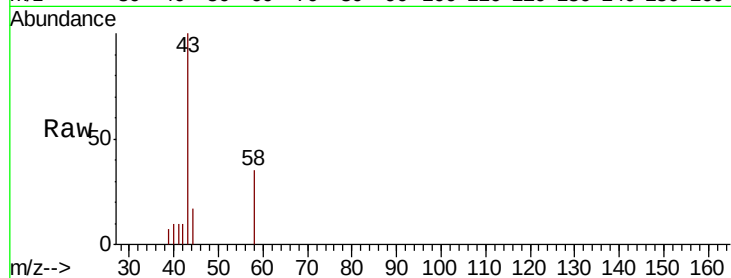
TR-04-030220

Tot Ion: 43 Resp: 3247

Ion Ratio Lower Upper

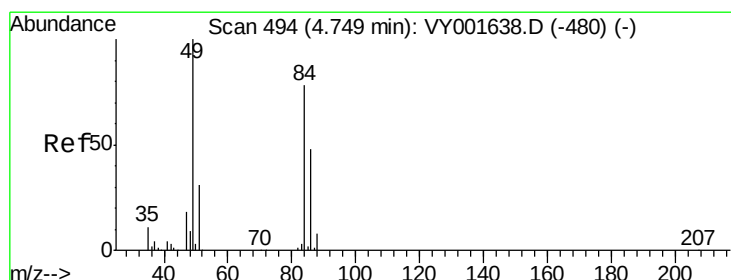
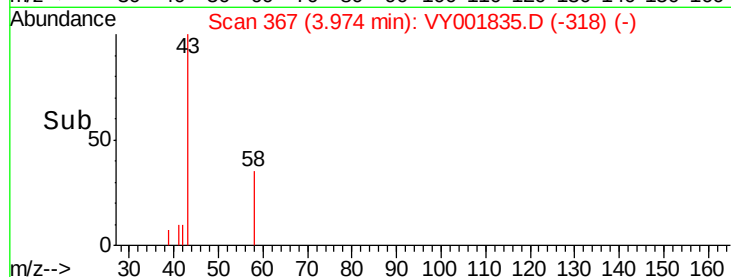
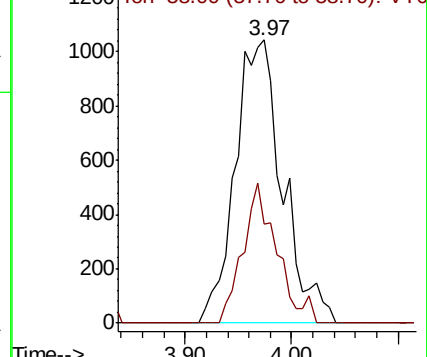
43 100

58 35.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 1.851 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.02 min

Lab File: VY001835.D

Acq: 03 Mar 2020 15:20

Tgt Ion: 84 Resp: 3571

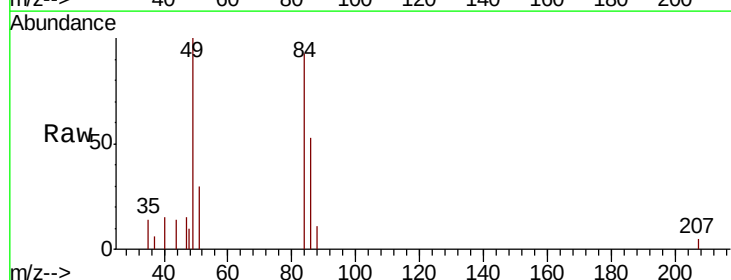
Ion Ratio Lower Upper

84 100

49 107.6 99.2 148.8

51 31.9 31.5 47.3

86 57.5 51.0 76.6

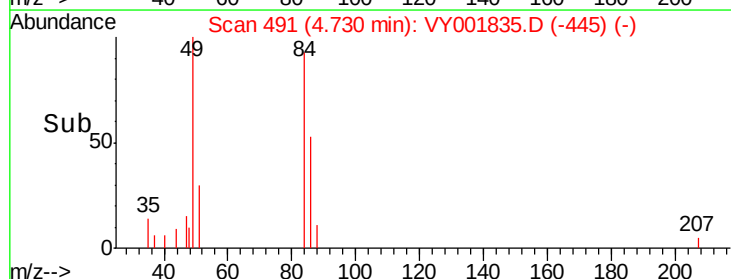
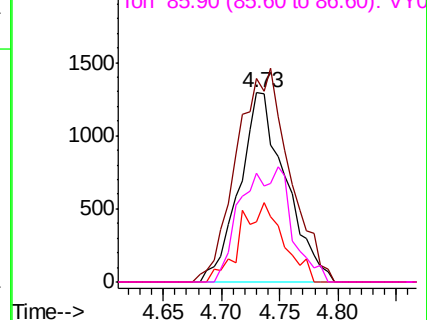


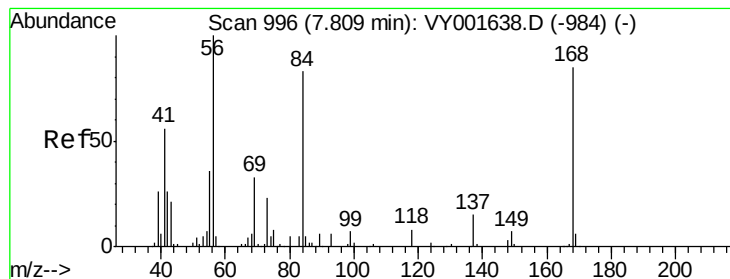
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.018 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001835.D

Acq: 03 Mar 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-030220

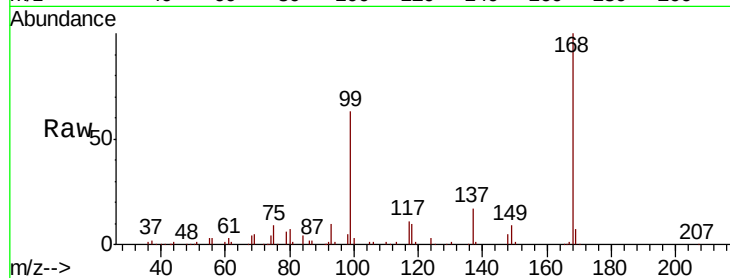
Tot Ion: 56 Resp: 3357

Ion Ratio Lower Upper

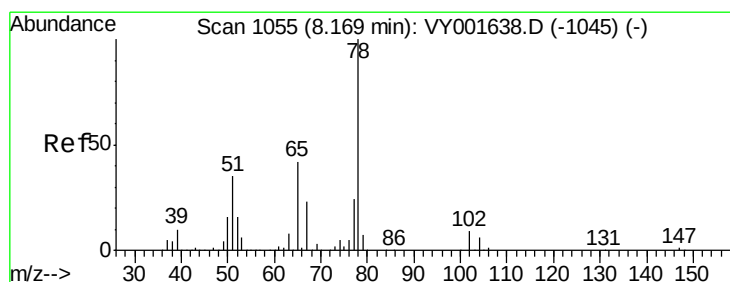
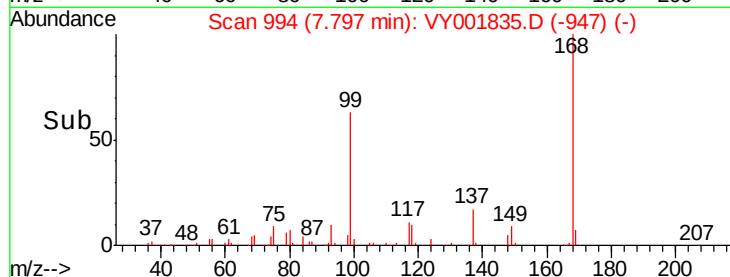
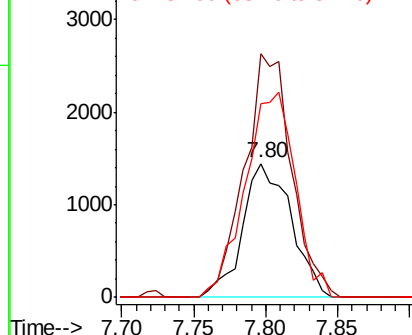
56 100

69 182.2 25.1 37.7#

84 144.7 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: 52.209 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001835.D

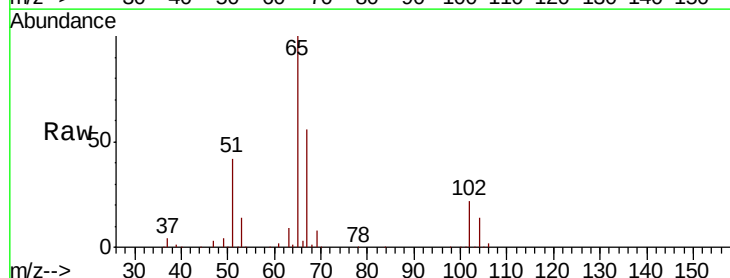
Acq: 03 Mar 2020 15:20

Tgt Ion: 65 Resp: 81941

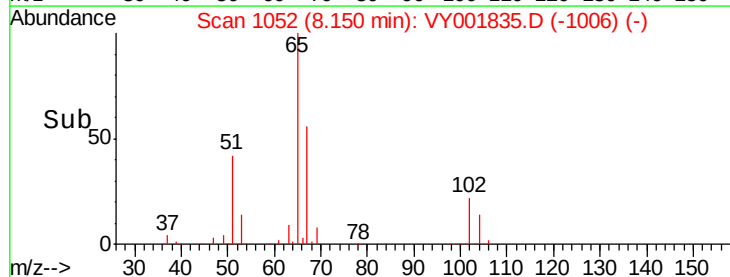
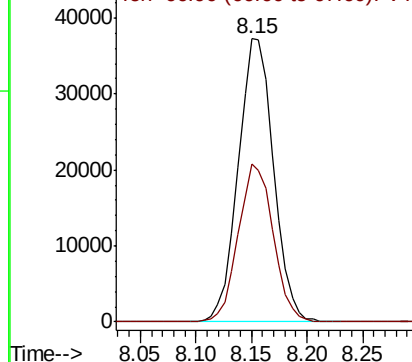
Ion Ratio Lower Upper

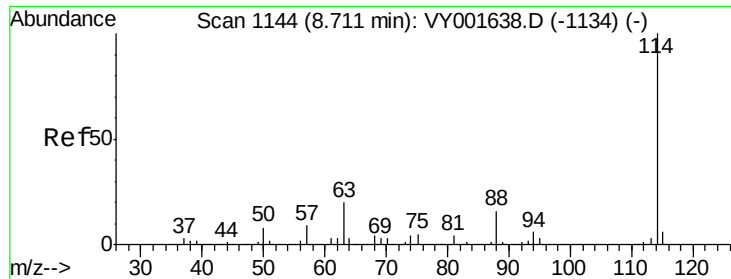
65 100

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

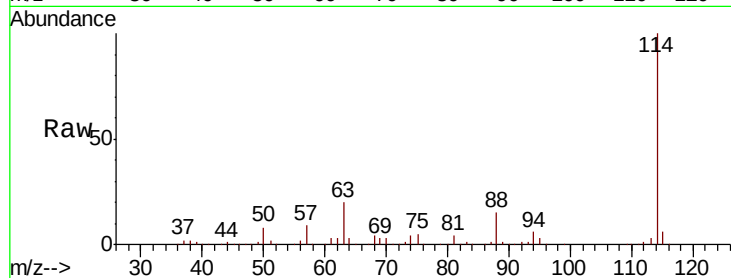




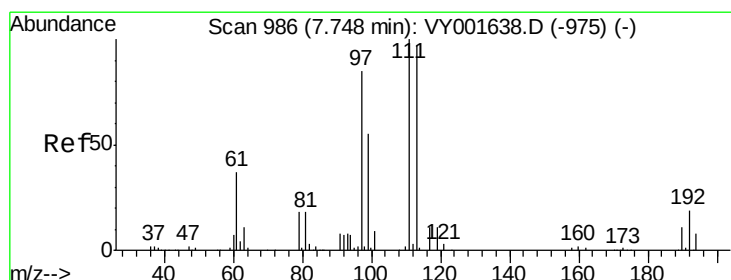
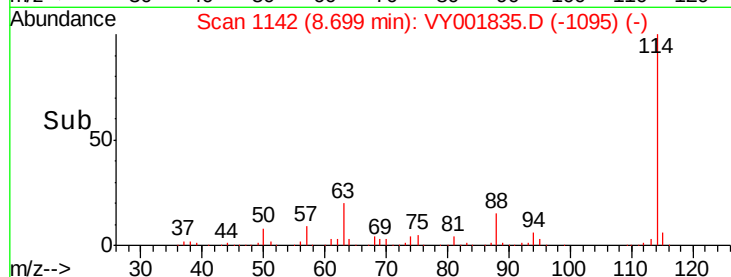
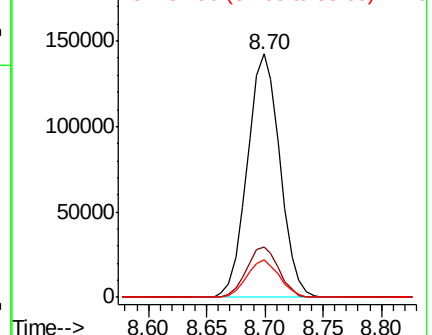
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-030220

Tot Ion:114 Resp: 278730
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.4 0.0 32.8

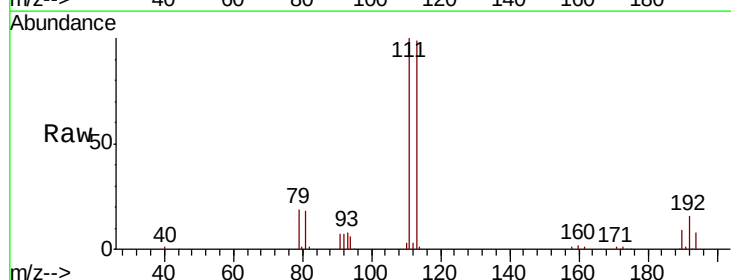


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

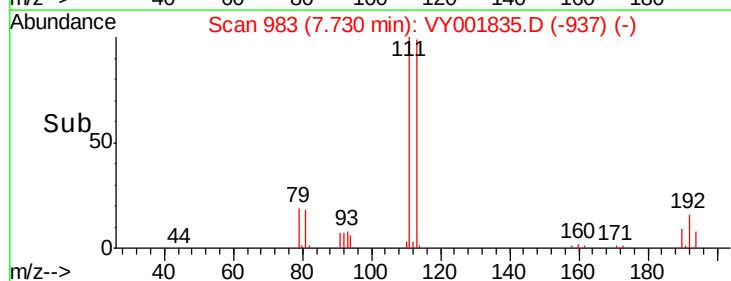
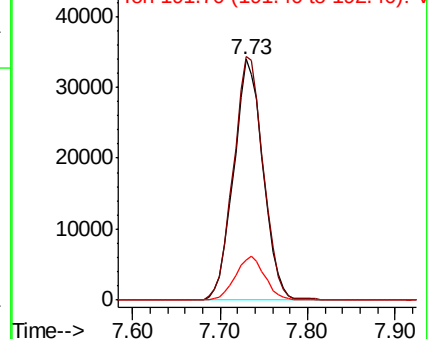


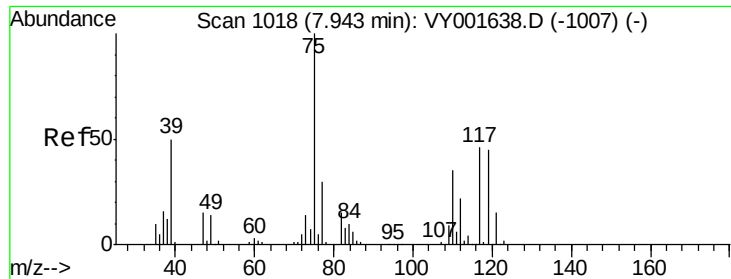
#35
 Dibromofluoromethane
 Concen: 49.692 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

Tgt Ion:113 Resp: 79330
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 18.0 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

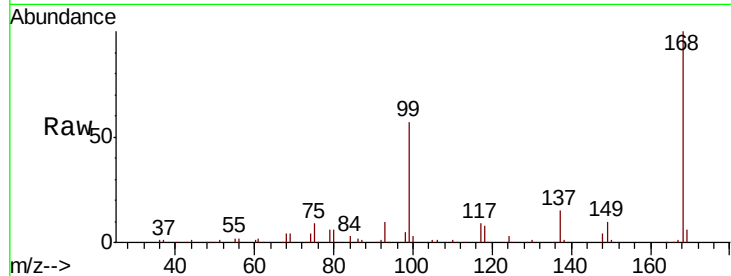




#36
 1,1-Dichloropropene
 Concen: 4.720 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-030220

Tot Ion	75	Resp	12566
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	17.2	51.6#
77	0.0	24.8	37.2#

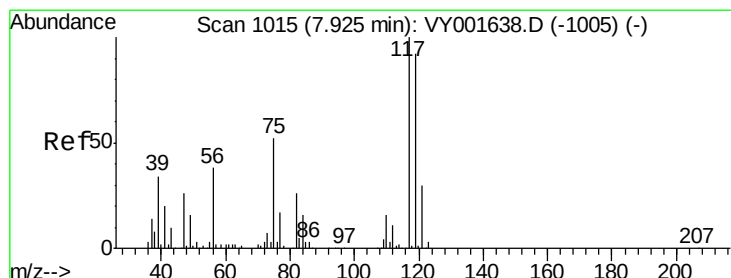
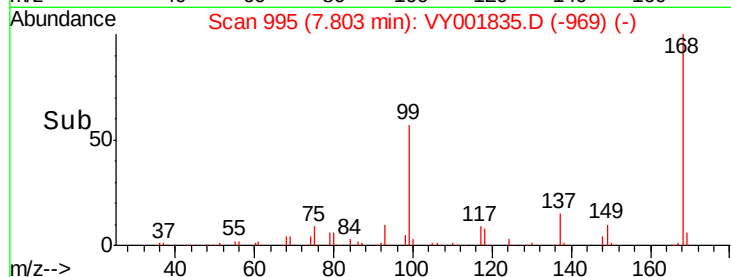
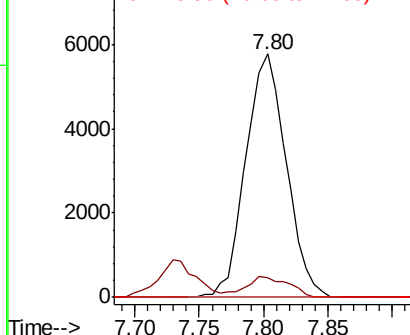


Abundance

Ion 74.90 (74.60 to 75.60): VY001638.D (-1007) (-)

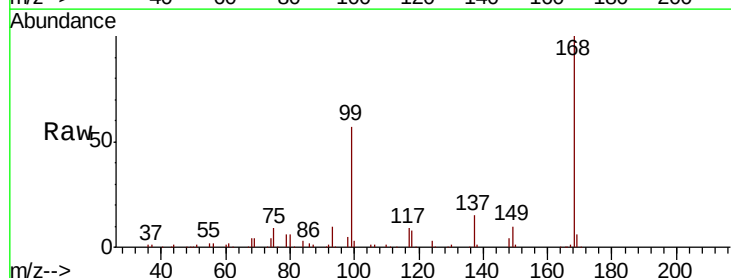
Ion 109.90 (109.60 to 110.60): VY001638.D (-1007) (-)

Ion 76.90 (76.60 to 77.60): VY001638.D (-1007) (-)



#38
 Carbon Tetrachloride
 Concen: 6.212 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

Tgt Ion	117	Resp	14527
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.4	74.8	112.2#
121	0.0	23.8	35.6#

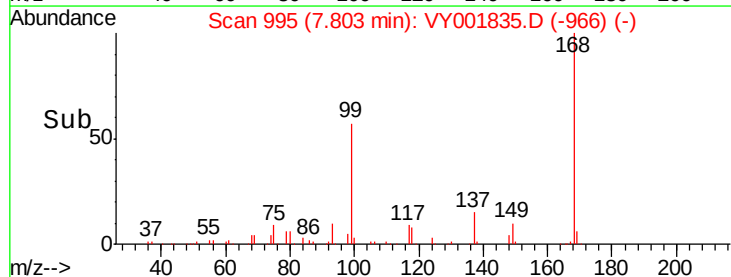
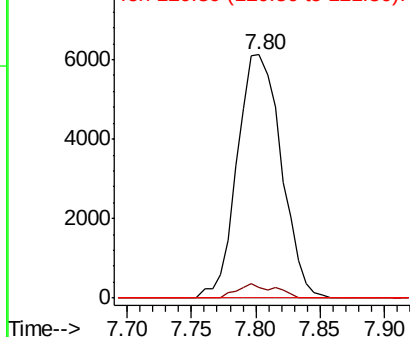


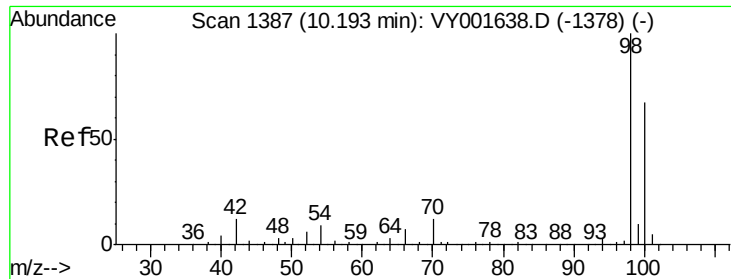
Abundance

Ion 116.80 (116.50 to 117.50): VY001638.D (-1005) (-)

Ion 118.80 (118.50 to 119.50): VY001638.D (-1005) (-)

Ion 120.80 (120.50 to 121.50): VY001638.D (-1005) (-)





#50

Toluene-d8

Concen: 52.744 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001835.D

Acq: 03 Mar 2020 15:20

Instrument :

MSVOA_Y

ClientSampleId :

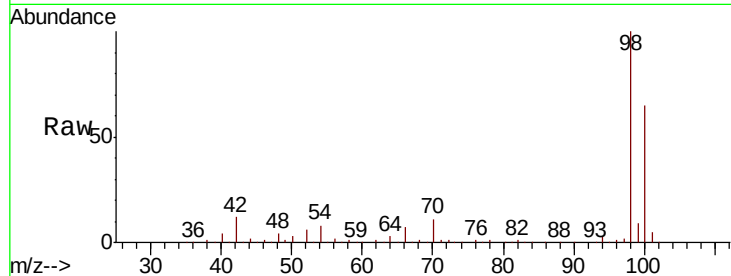
TR-04-030220

Tot Ion: 98 Resp: 329878

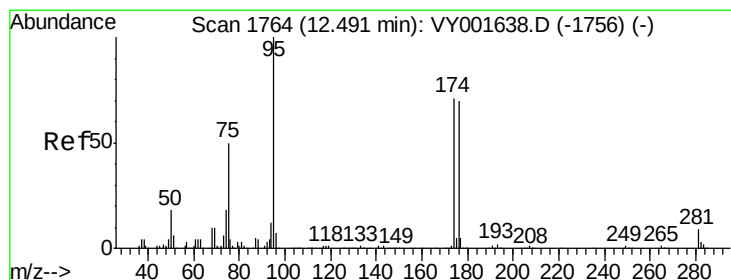
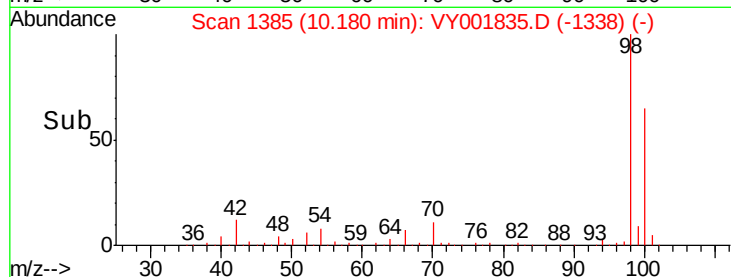
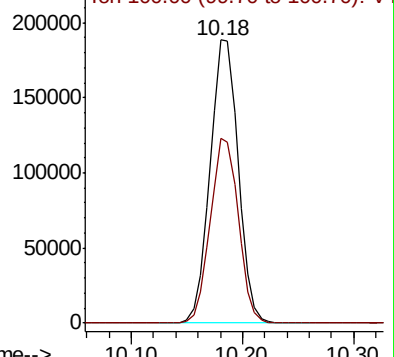
Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



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



#62

4-Bromofluorobenzene

Concen: 40.052 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001835.D

Acq: 03 Mar 2020 15:20

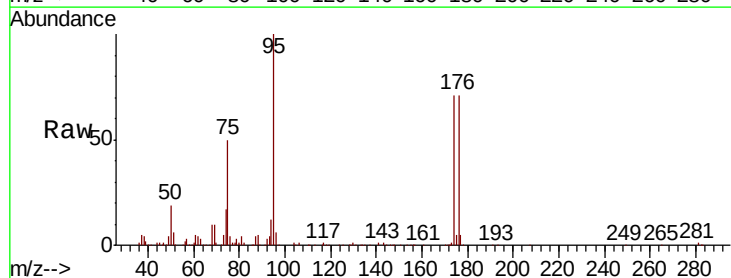
Tgt Ion: 95 Resp: 97317

Ion Ratio Lower Upper

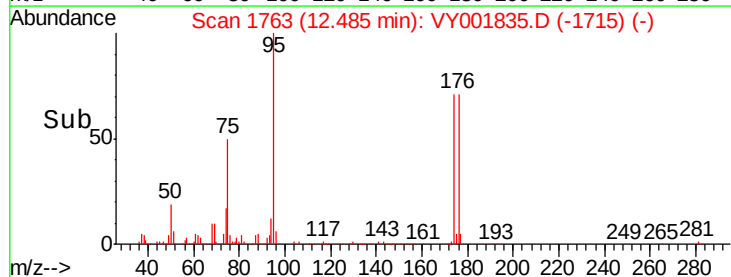
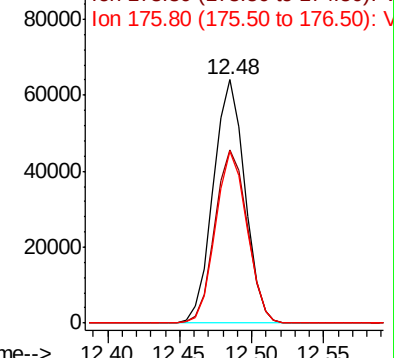
95 100

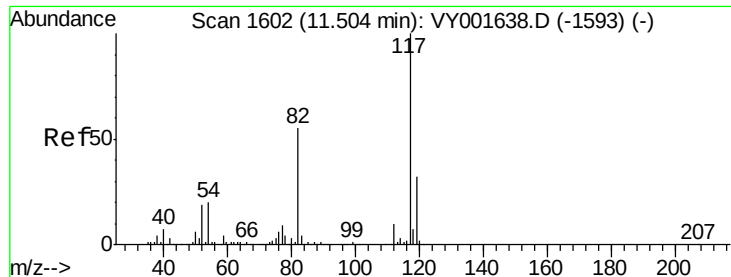
174 72.8 0.0 138.4

176 70.4 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

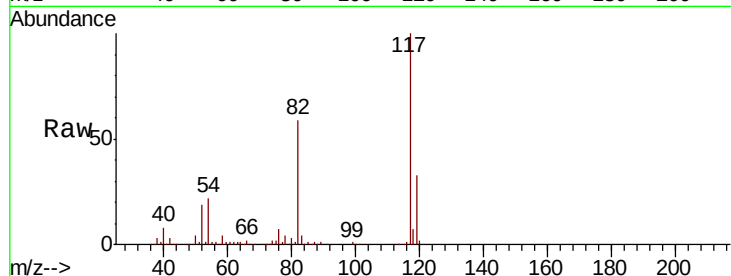




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001835.D
Acq: 03 Mar 2020 15:20

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-030220

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	45.5	68.3
119	32.6	25.8	38.6

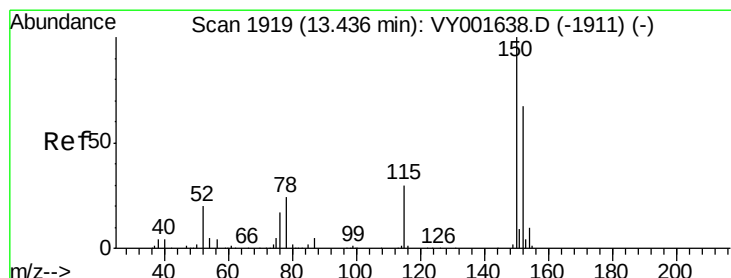
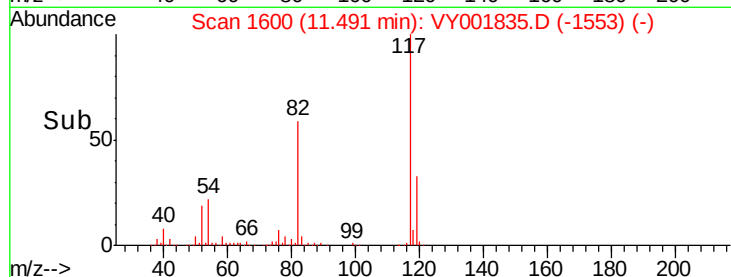
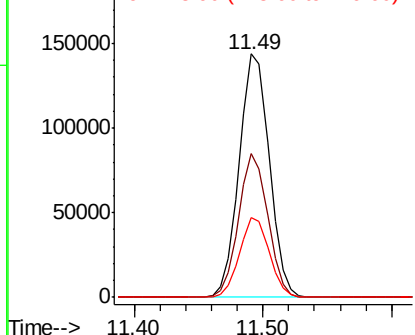


Abundance

Ion 116.90 (116.60 to 117.60): V

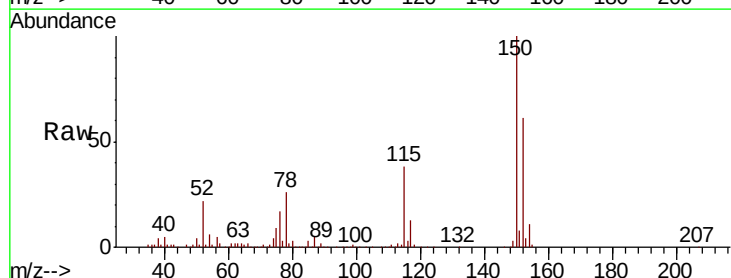
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001835.D
Acq: 03 Mar 2020 15:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.4	94.2
150	158.3	0.0	407.2

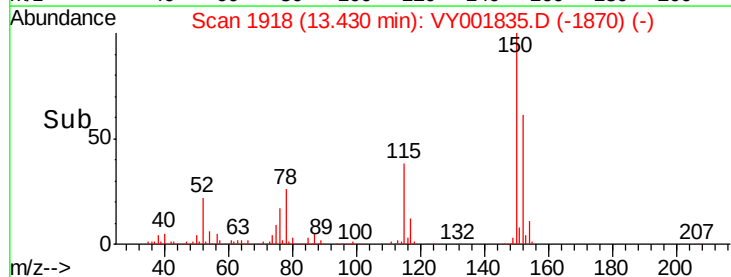
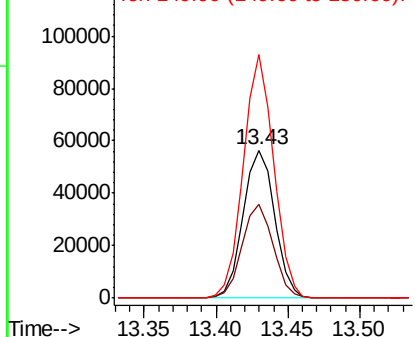


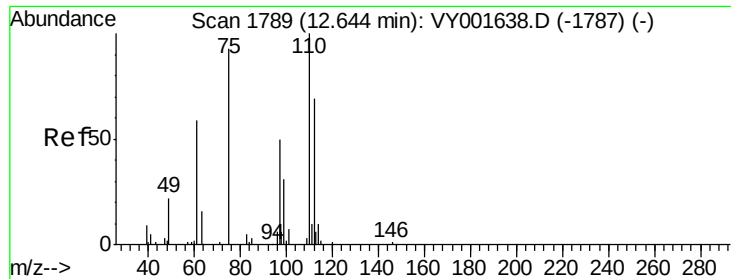
Abundance

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

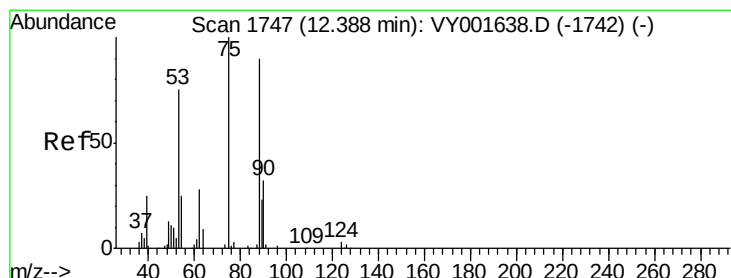
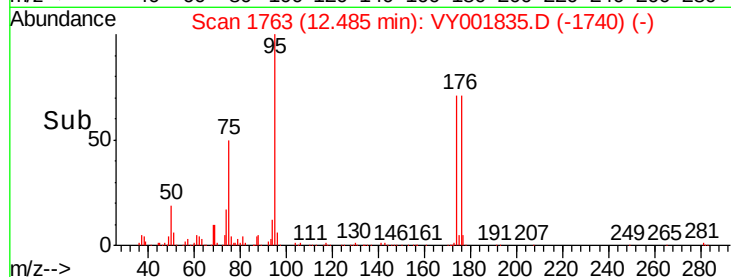
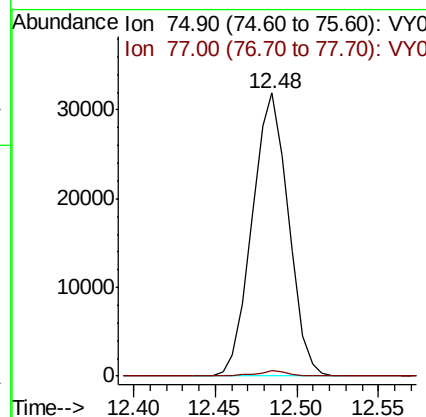
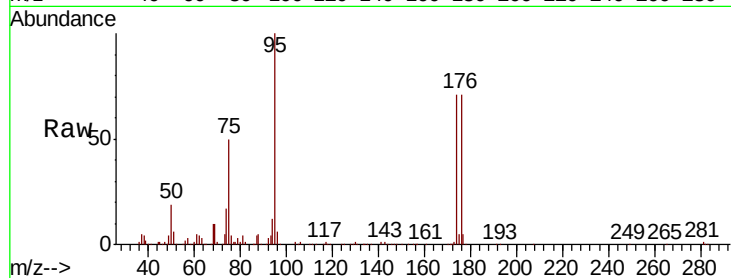




#76
 1,2,3-Trichloropropane
 Concen: 50.266 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

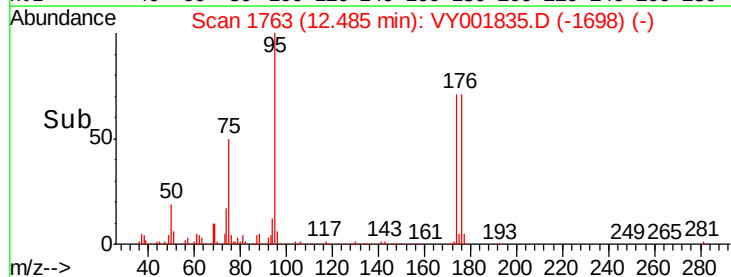
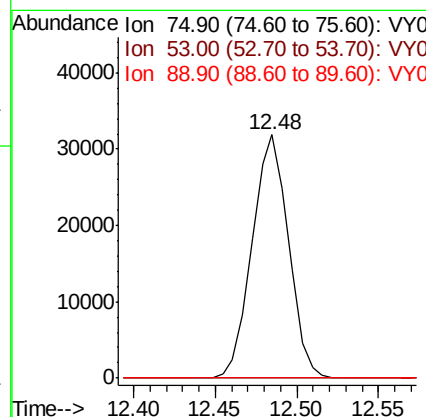
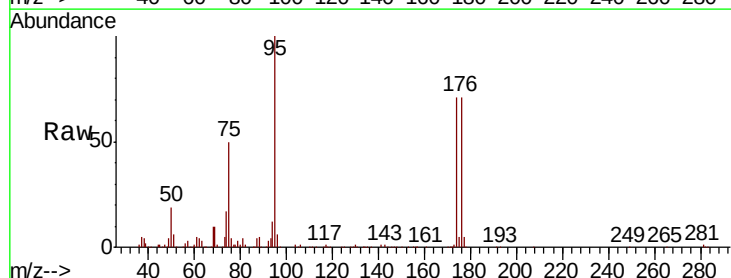
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-030220

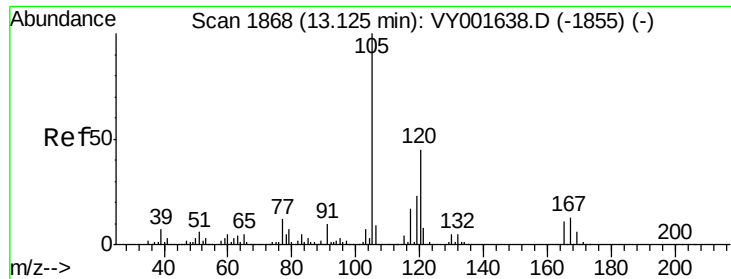
Tot Ion: 75 Resp: 49300
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.364 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

Tgt Ion: 75 Resp: 49300
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.2 36.3 54.5#

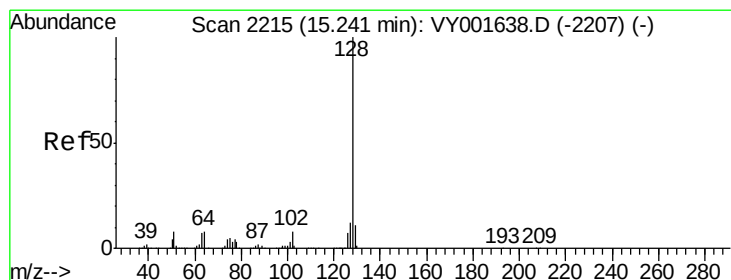
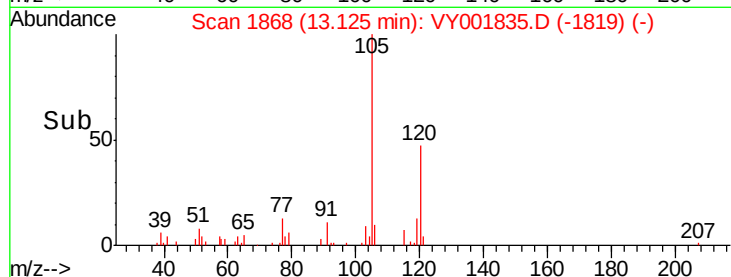
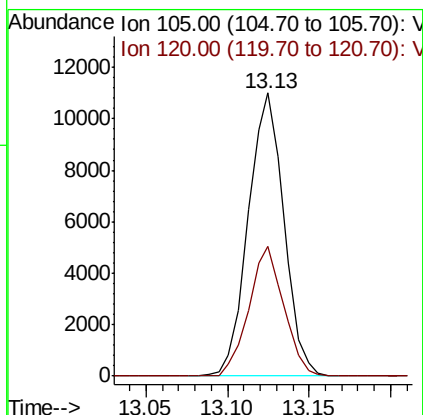
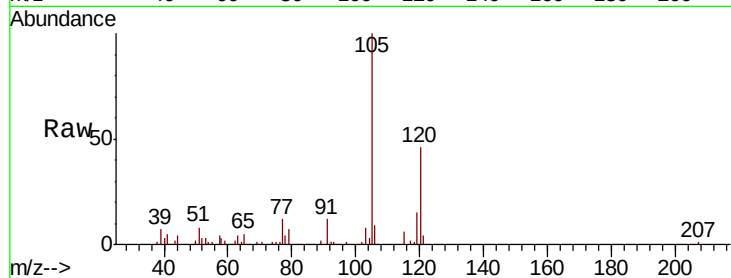




#84
 1,2,4-Trimethylbenzene
 Concen: 3.101 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-030220

Tot Ion:105 Resp: 16671
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.3



#95
 Naphthalene
 Concen: 1.236 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: VY001835.D
 Acq: 03 Mar 2020 15:20

Tgt Ion:128 Resp: 4773
 Ion Ratio Lower Upper
 128 100
 127 20.7 9.9 14.9#
 129 16.8 8.6 13.0#

