

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002066.D
 Acq On : 25 Mar 2020 15:00
 Operator : SY/MD
 Sample : L2029-02
 Misc : 7.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:35:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	134360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	265951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	242004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	107146	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	85019	59.27	ug/l	0.00
Spiked Amount			Recovery	=	118.54%	
35) Dibromofluoromethane	7.75	113	77457	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
50) Toluene-d8	10.20	98	322875	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.50	95	110391	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	

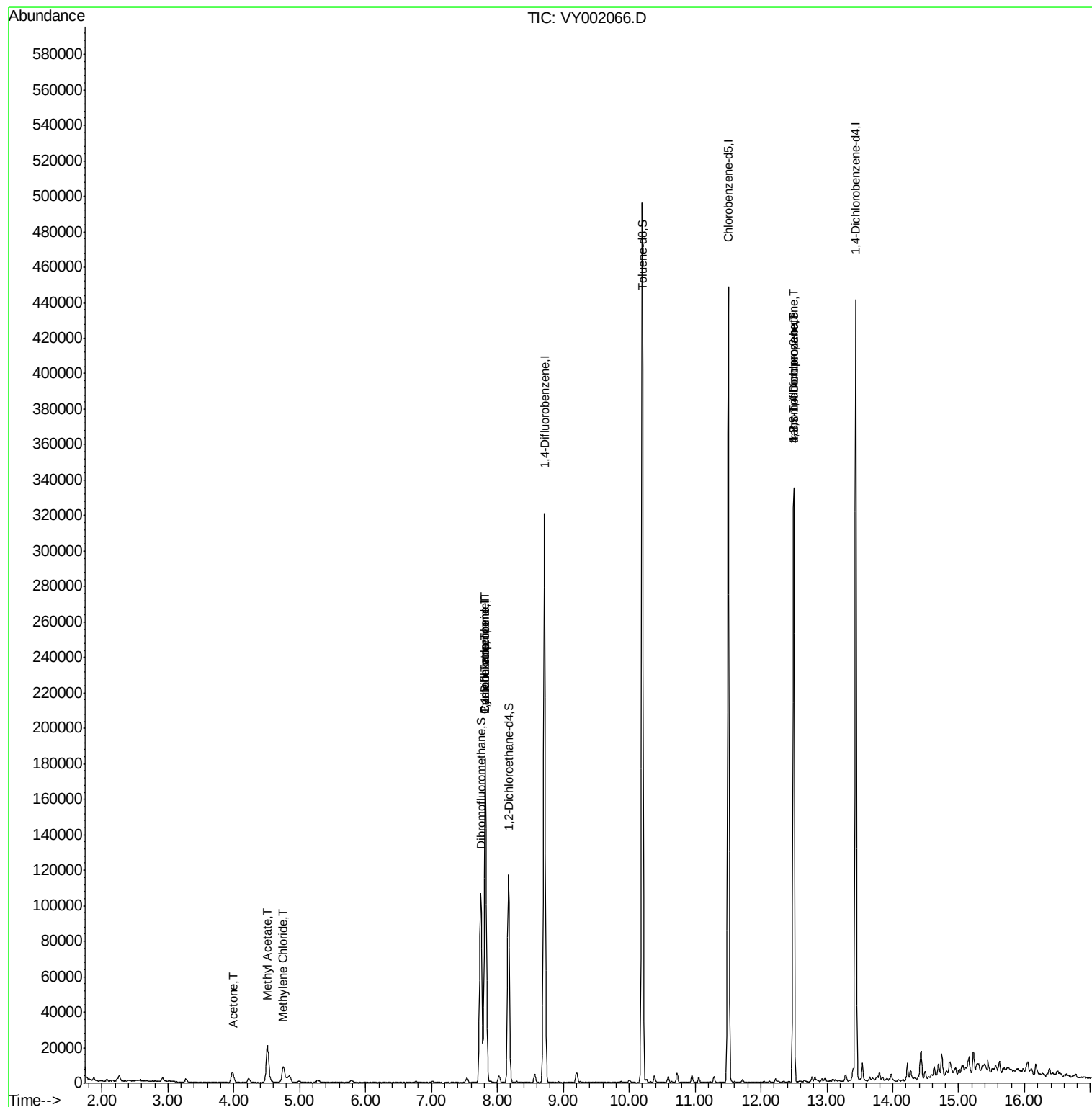
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.69	94	71	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	1552	Below Cal	#	74
16) Acetone	3.99	43	10258	24.554	ug/l	96
18) Methyl Acetate	4.51	43	41208	38.388	ug/l	97
20) Methylene Chloride	4.75	84	6481	3.620	ug/l	95
31) Cyclohexane	7.82	56	3645	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	11929	4.661	ug/l #	50
38) Carbon Tetrachloride	7.82	117	13820	6.321	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	56851	44.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56851	90.326	ug/l #	17

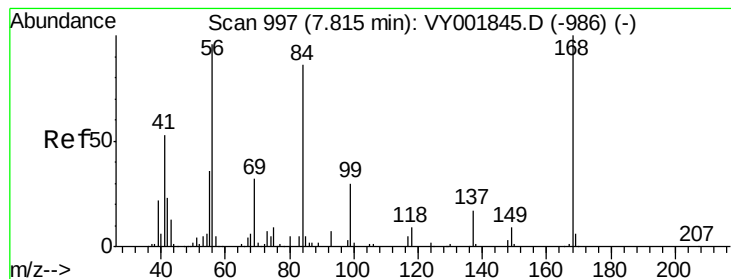
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
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: VY002066.D

Acq: 25 Mar 2020 15:00

Instrument :

MSVOA_Y

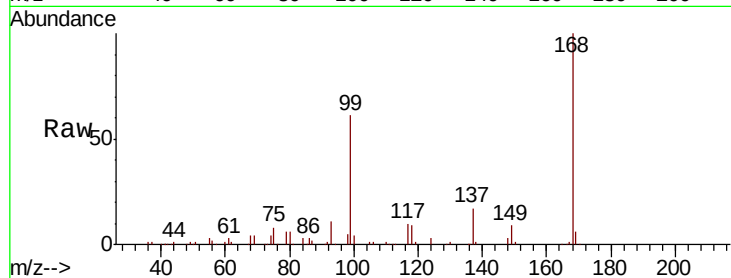
ClientSampleId :

Tot Ion:168 Resp: 134360

Ion Ratio Lower Upper

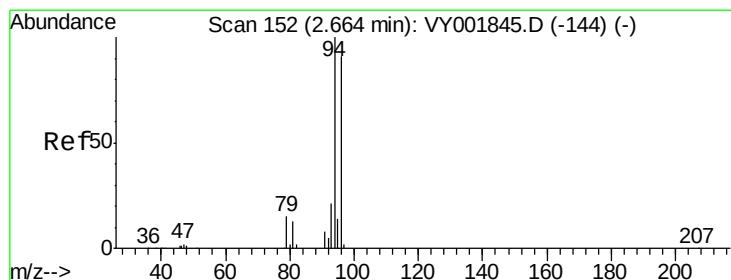
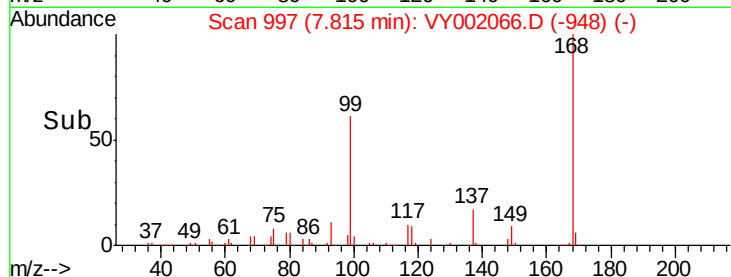
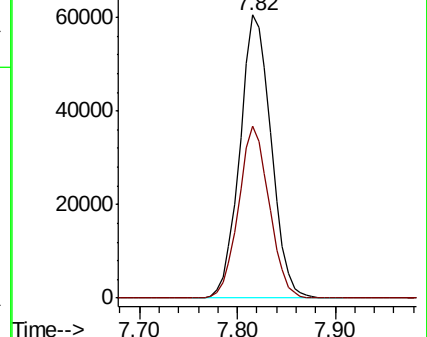
168 100

99 60.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.69 min Scan# 156

Delta R.T. 0.03 min

Lab File: VY002066.D

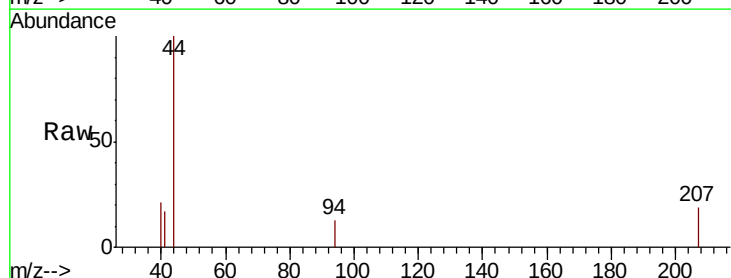
Acq: 25 Mar 2020 15:00

Tgt Ion: 94 Resp: 71

Ion Ratio Lower Upper

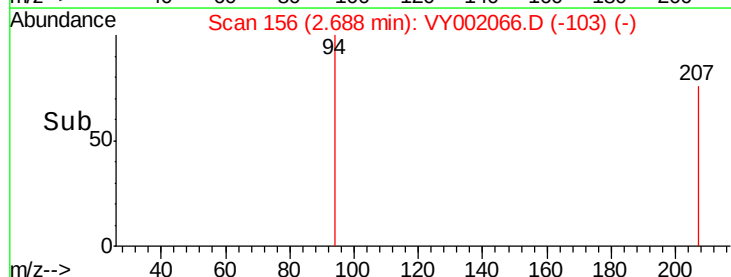
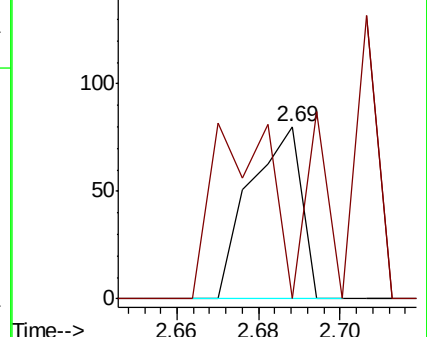
94 100

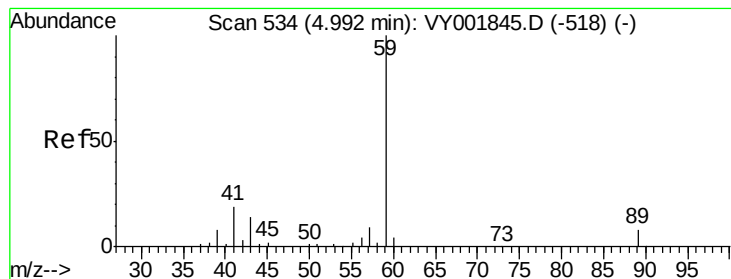
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



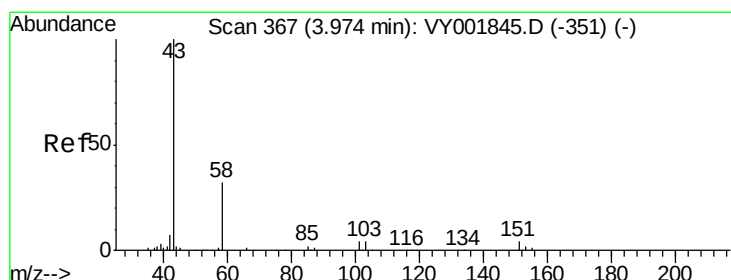
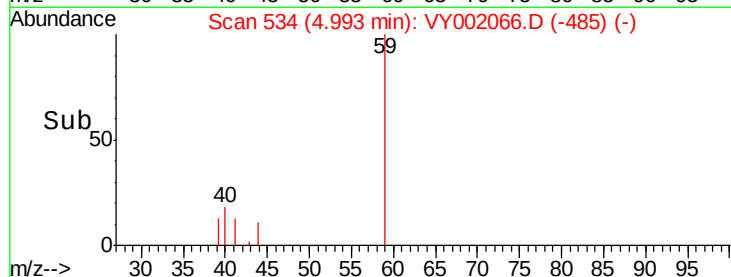
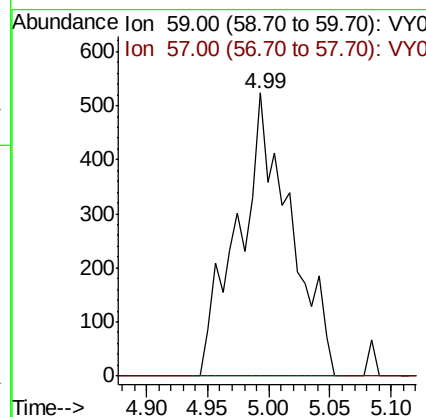
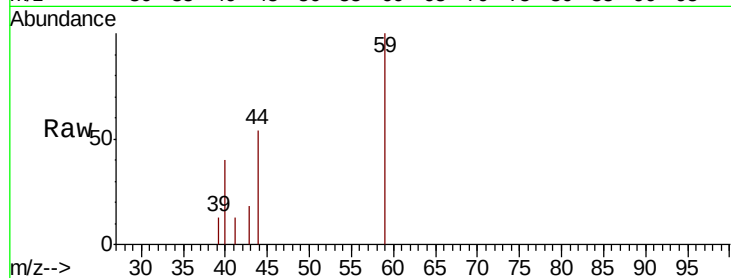


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY002066.D
 Acq: 25 Mar 2020 15:00

Instrument :
 MSVOA_Y
 ClientSampleId :

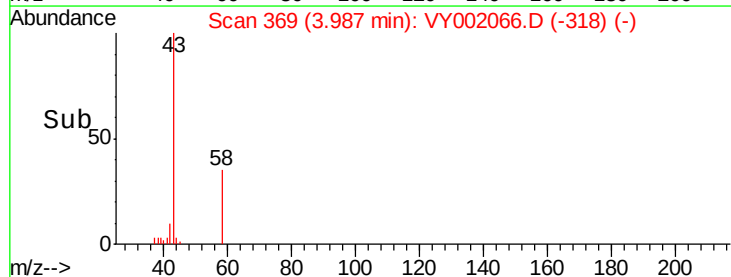
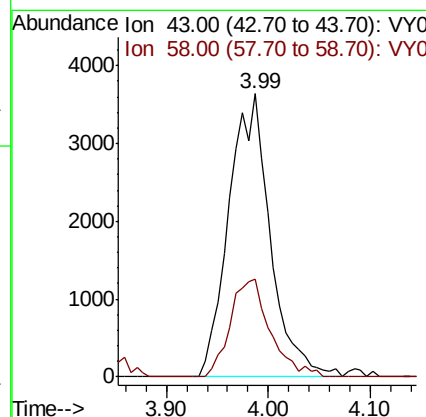
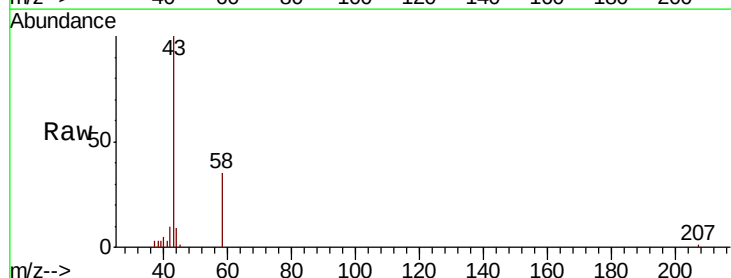
Tot Ion: 59 Resp: 1552
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

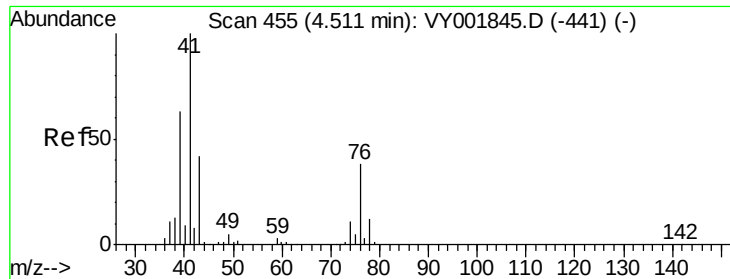


#16

Acetone
 Concen: 24.554 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VY002066.D
 Acq: 25 Mar 2020 15:00

Tgt Ion: 43 Resp: 10258
 Ion Ratio Lower Upper
 43 100
 58 34.8 25.9 38.9

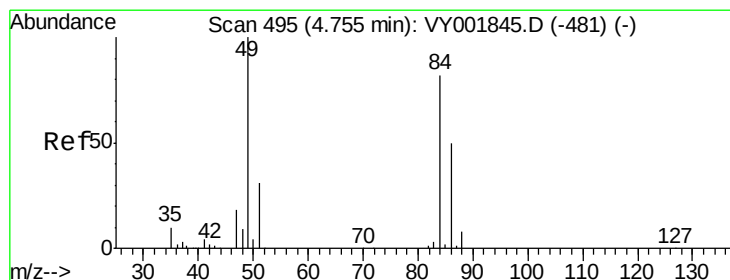
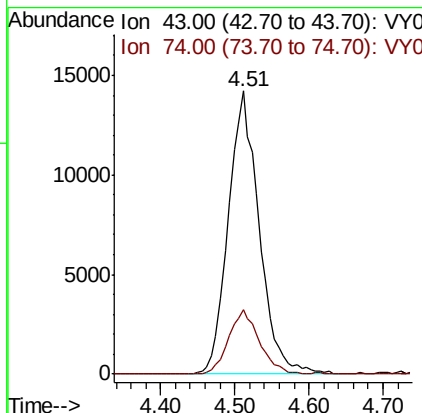
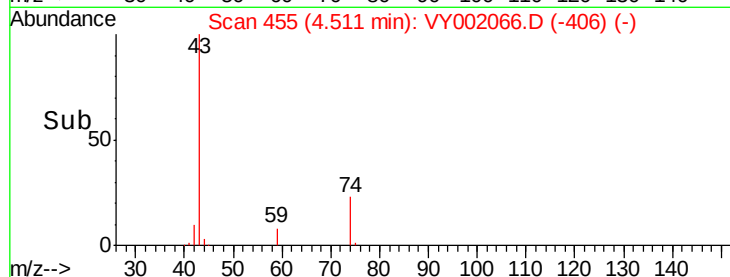
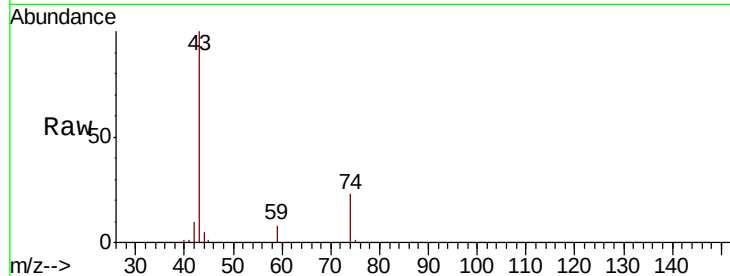




#18
Methyl Acetate
Concen: 38.388 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY002066.D
Acq: 25 Mar 2020 15:00

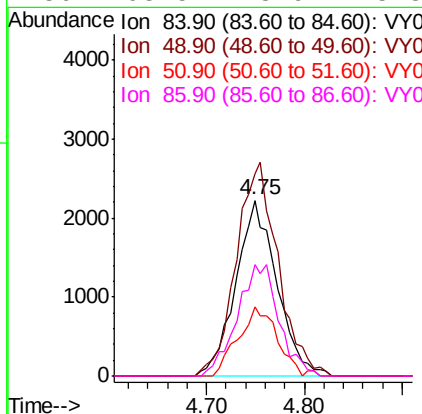
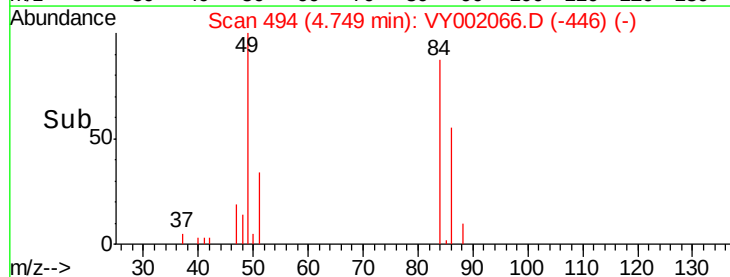
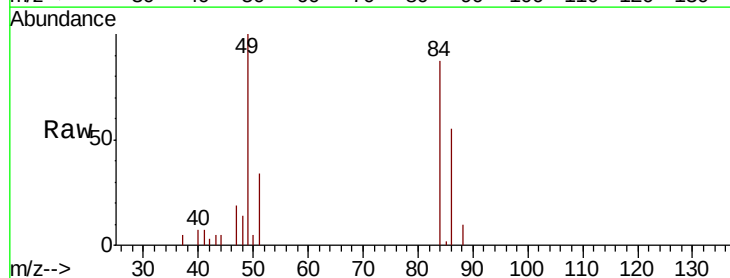
Instrument :
MSVOA_Y
ClientSampleId :

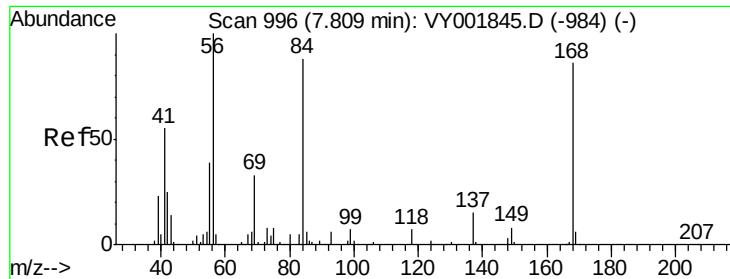
Tot Ion: 43 Resp: 41208
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.6



#20
Methylene Chloride
Concen: 3.620 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002066.D
Acq: 25 Mar 2020 15:00

Tgt Ion: 84 Resp: 6481
Ion Ratio Lower Upper
84 100
49 115.2 98.2 147.2
51 39.7 30.2 45.2
86 63.5 48.9 73.3

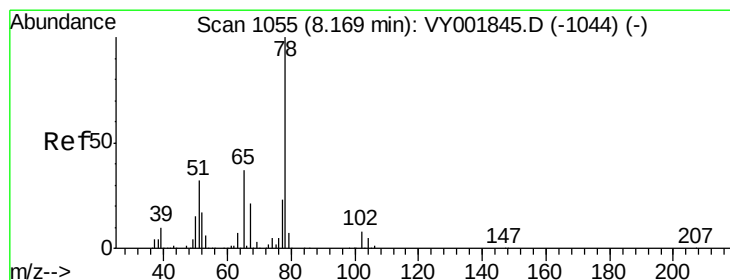
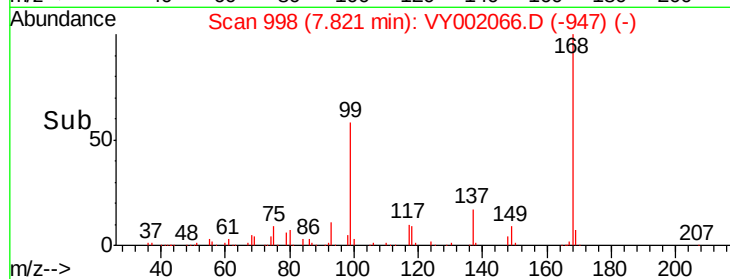
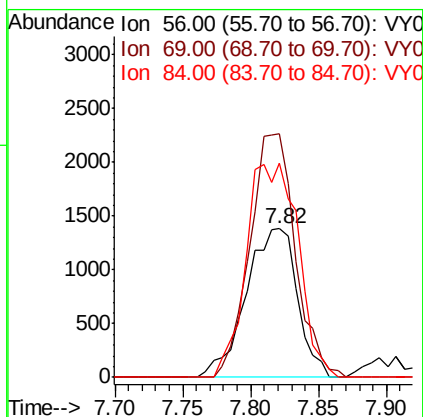
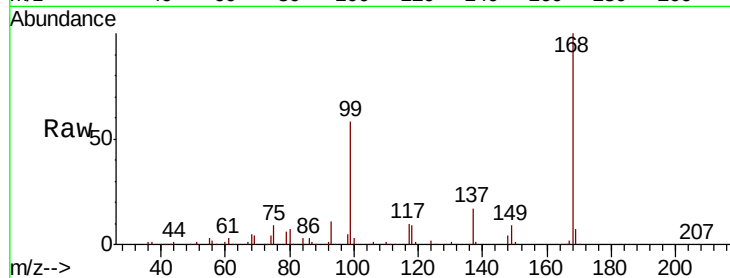




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY002066.D
Acq: 25 Mar 2020 15:00

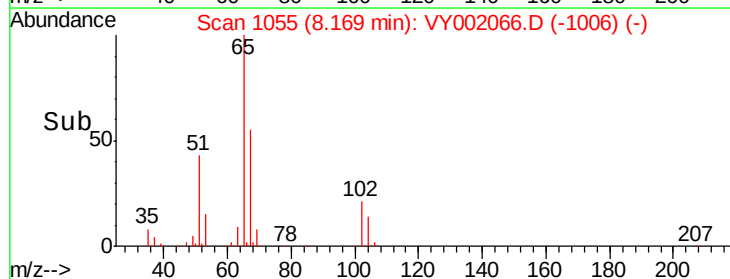
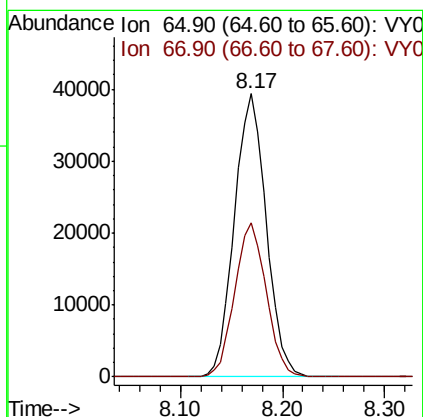
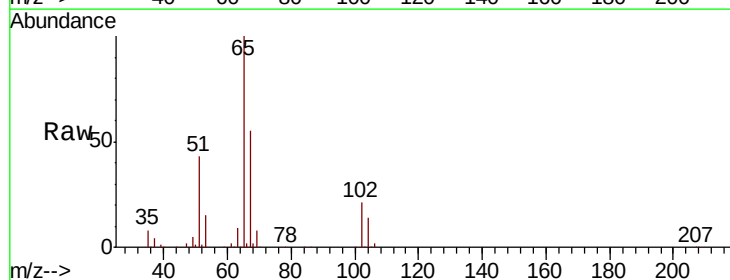
Instrument :
MSVOA_Y
ClientSampled :

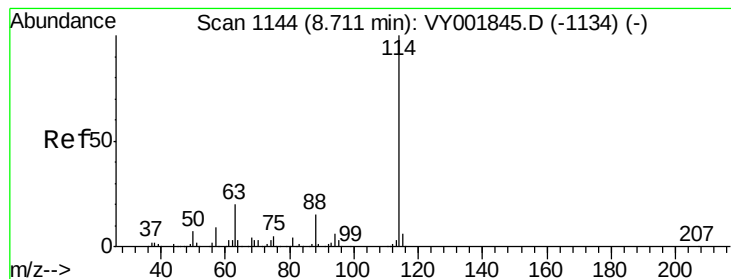
Tot Ion: 56 Resp: 3645
Ion Ratio Lower Upper
56 100
69 163.8 26.7 40.1#
84 144.2 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 59.272 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002066.D
Acq: 25 Mar 2020 15:00

Tgt Ion: 65 Resp: 85019
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002066.D

Acq: 25 Mar 2020 15:00

Instrument :

MSVOA_Y

ClientSampleId :

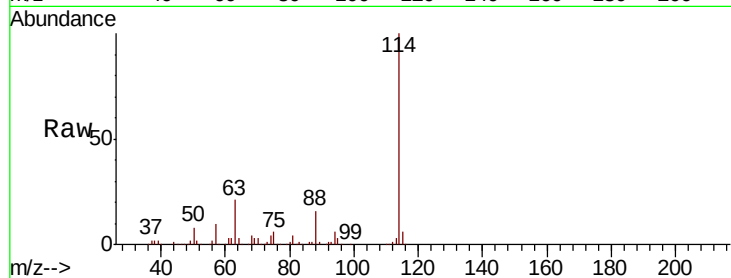
Tot Ion:114 Resp: 265951

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.4

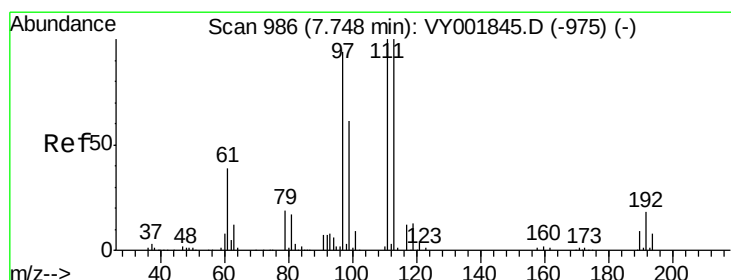
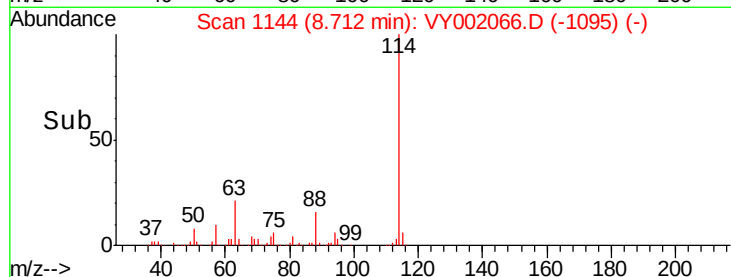
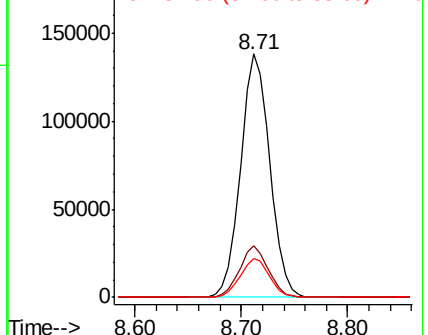
88 15.8 0.0 30.4



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: 53.337 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002066.D

Acq: 25 Mar 2020 15:00

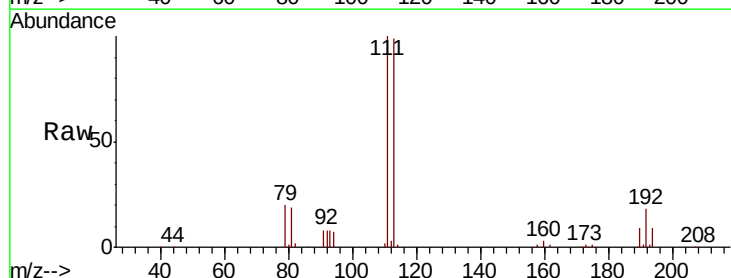
Tgt Ion:113 Resp: 77457

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

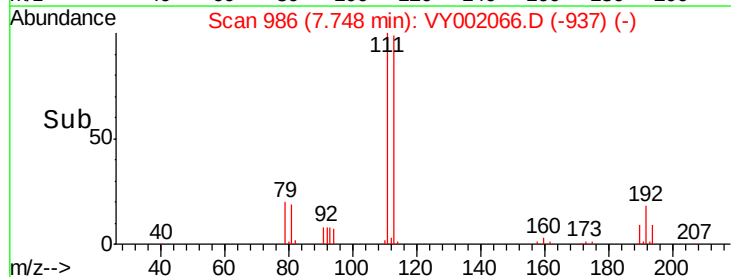
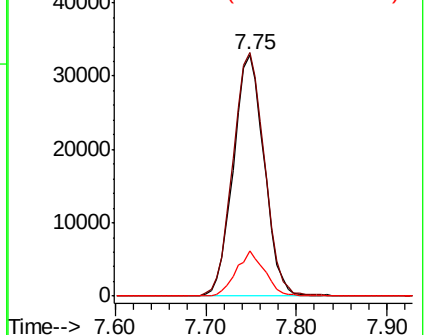
192 17.3 14.2 21.2

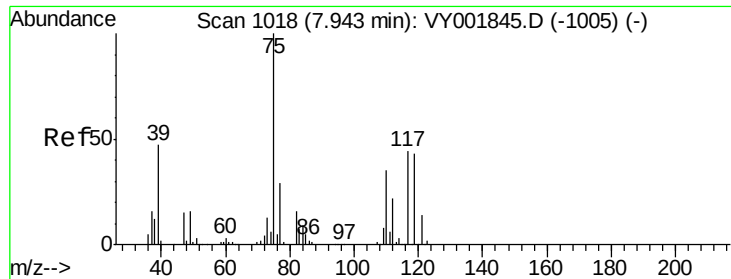


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

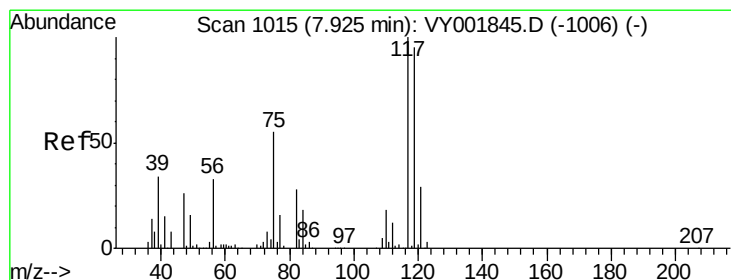
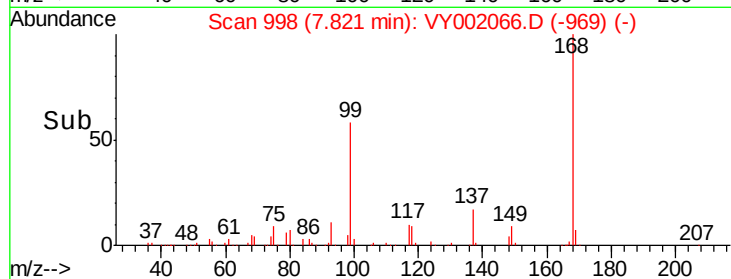
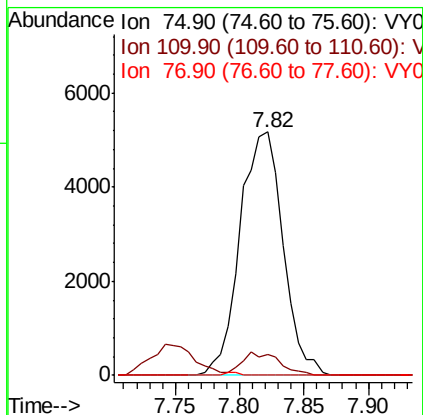
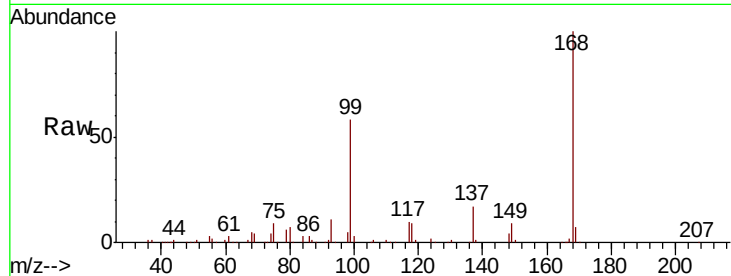




#36
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002066.D
 Acq: 25 Mar 2020 15:00

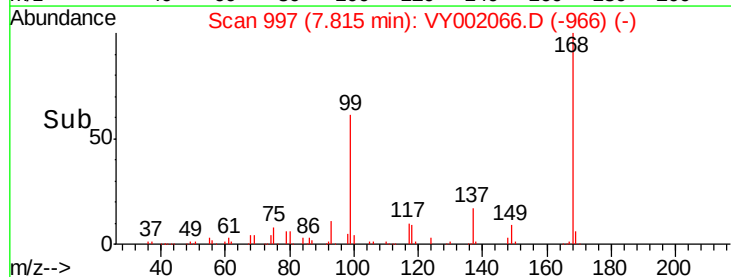
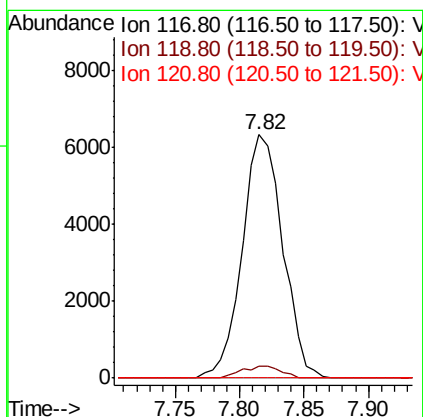
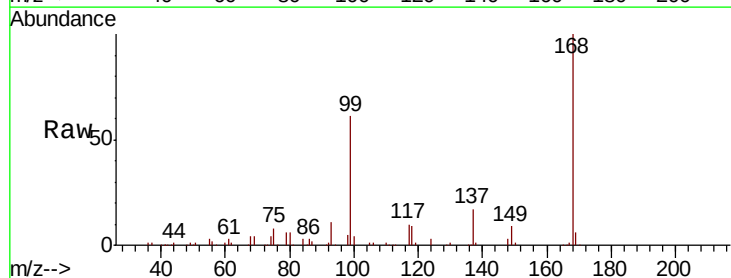
Instrument :
 MSVOA_Y
 ClientSampleId :

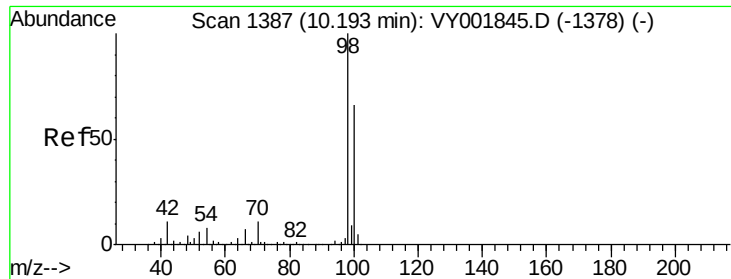
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.321 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY002066.D
 Acq: 25 Mar 2020 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.725 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002066.D

Acq: 25 Mar 2020 15:00

Instrument :

MSVOA_Y

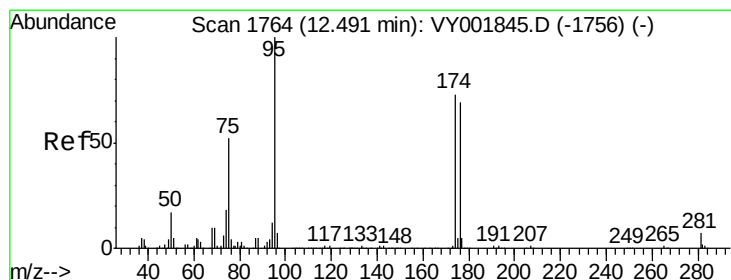
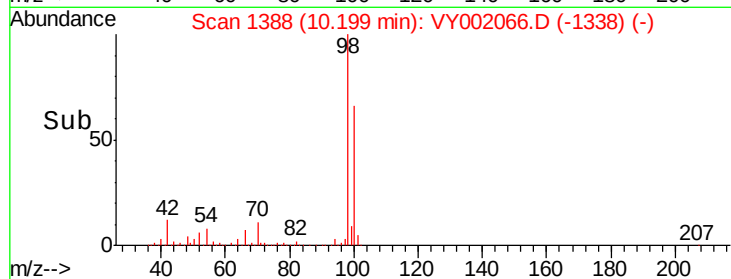
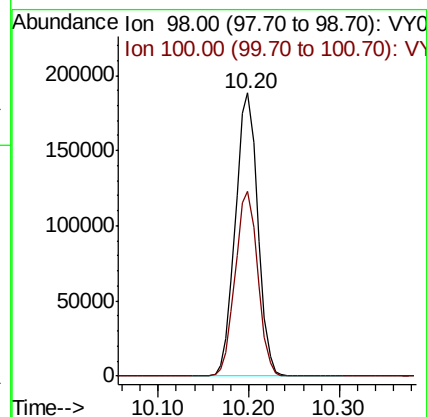
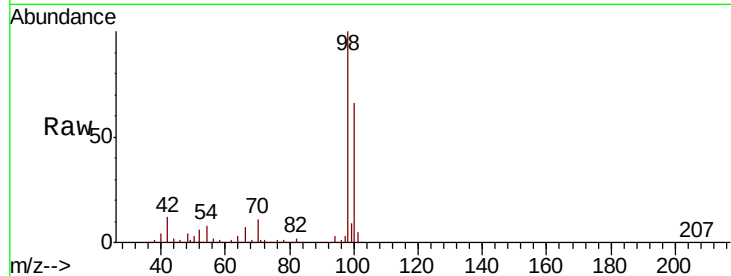
ClientSampleId :

Tot Ion: 98 Resp: 322875

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 51.844 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY002066.D

Acq: 25 Mar 2020 15:00

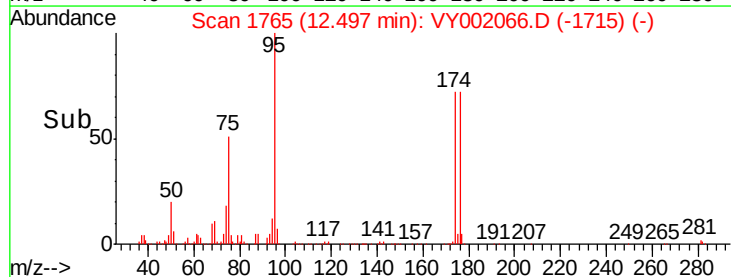
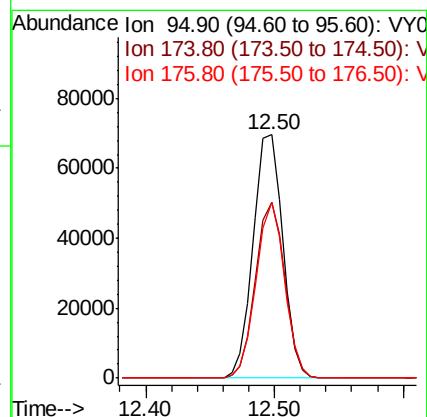
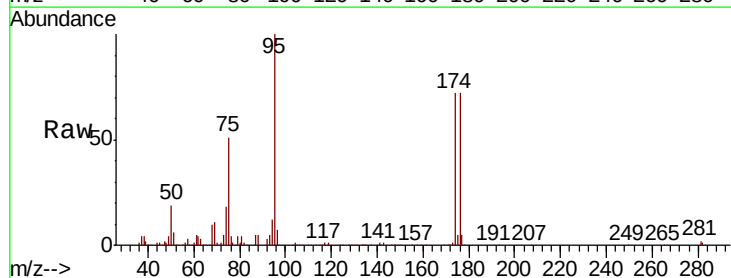
Tgt Ion: 95 Resp: 110391

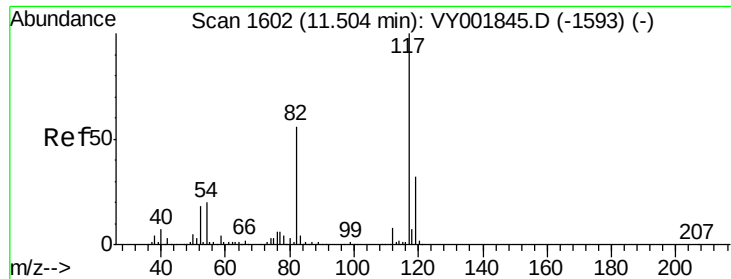
Ion Ratio Lower Upper

95 100

174 71.5 0.0 145.0

176 69.5 0.0 137.4

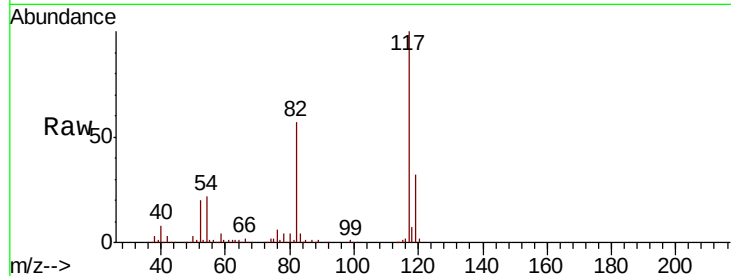




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002066.D
Acq: 25 Mar 2020 15:00

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.5	66.7
119	31.9	25.7	38.5

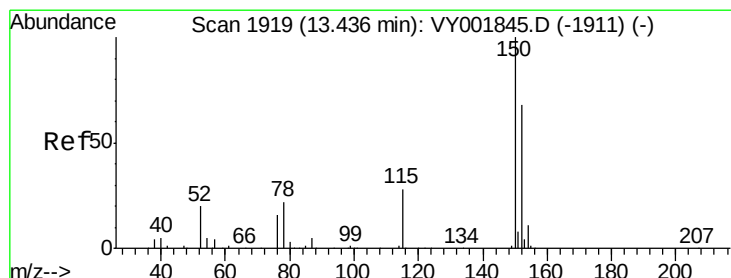
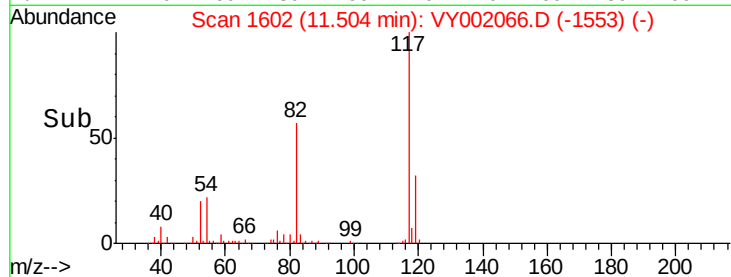
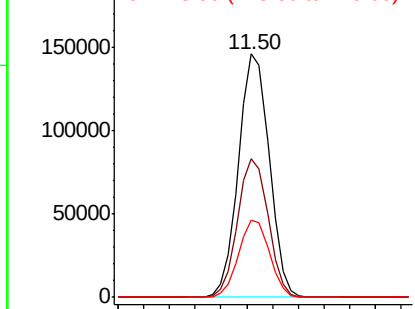


Abundance

Ion 116.90 (116.60 to 117.60): V

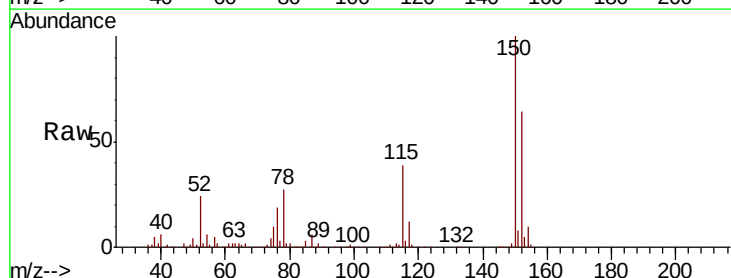
Ion 82.00 (81.70 to 82.70): VY0

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: VY002066.D
Acq: 25 Mar 2020 15:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	29.9	89.7
150	157.7	0.0	340.6

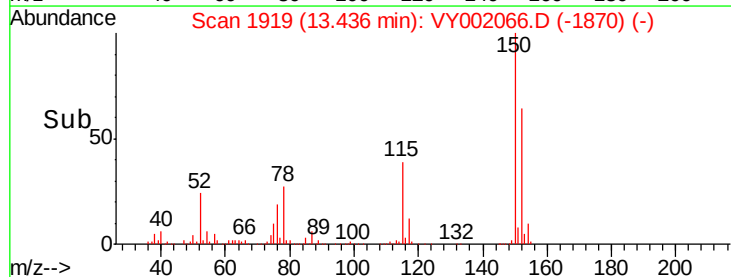
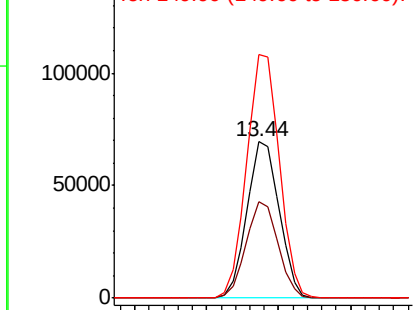


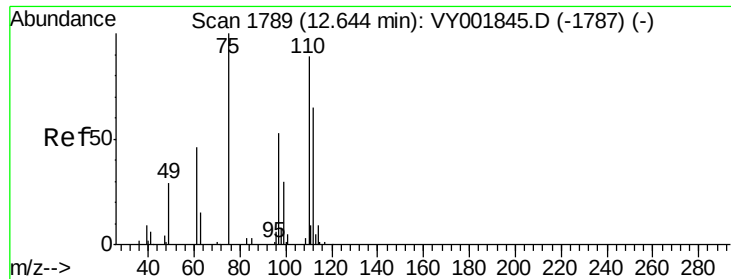
Abundance

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: 44.717 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002066.D

Acq: 25 Mar 2020 15:00

Instrument :

MSVOA_Y

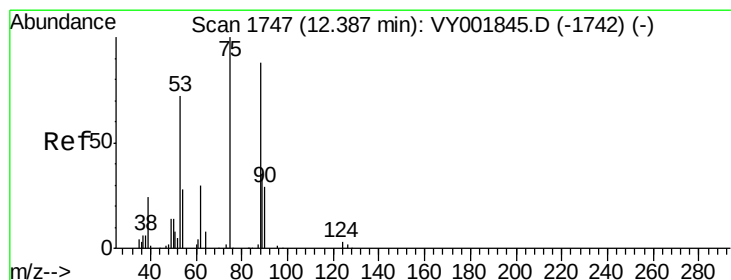
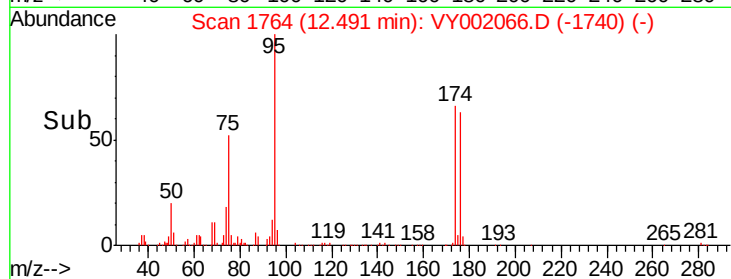
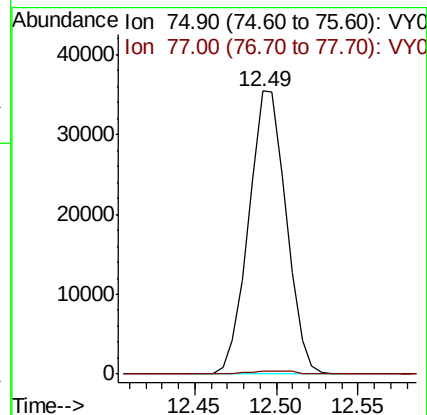
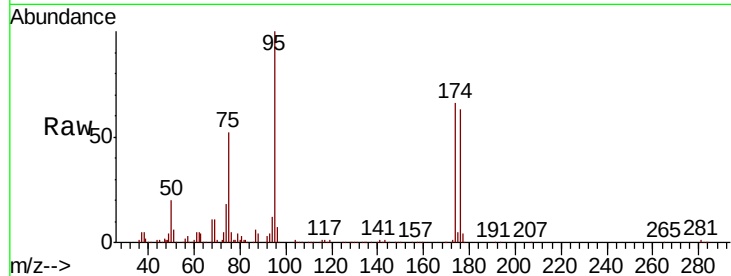
ClientSampleId :

Tot Ion: 75 Resp: 56851

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.326 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002066.D

Acq: 25 Mar 2020 15:00

Tgt Ion: 75 Resp: 56851

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

