

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002145.D
 Acq On : 31 Mar 2020 19:43
 Operator : SY/MD
 Sample : L2089-01
 Misc : 6.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:01:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

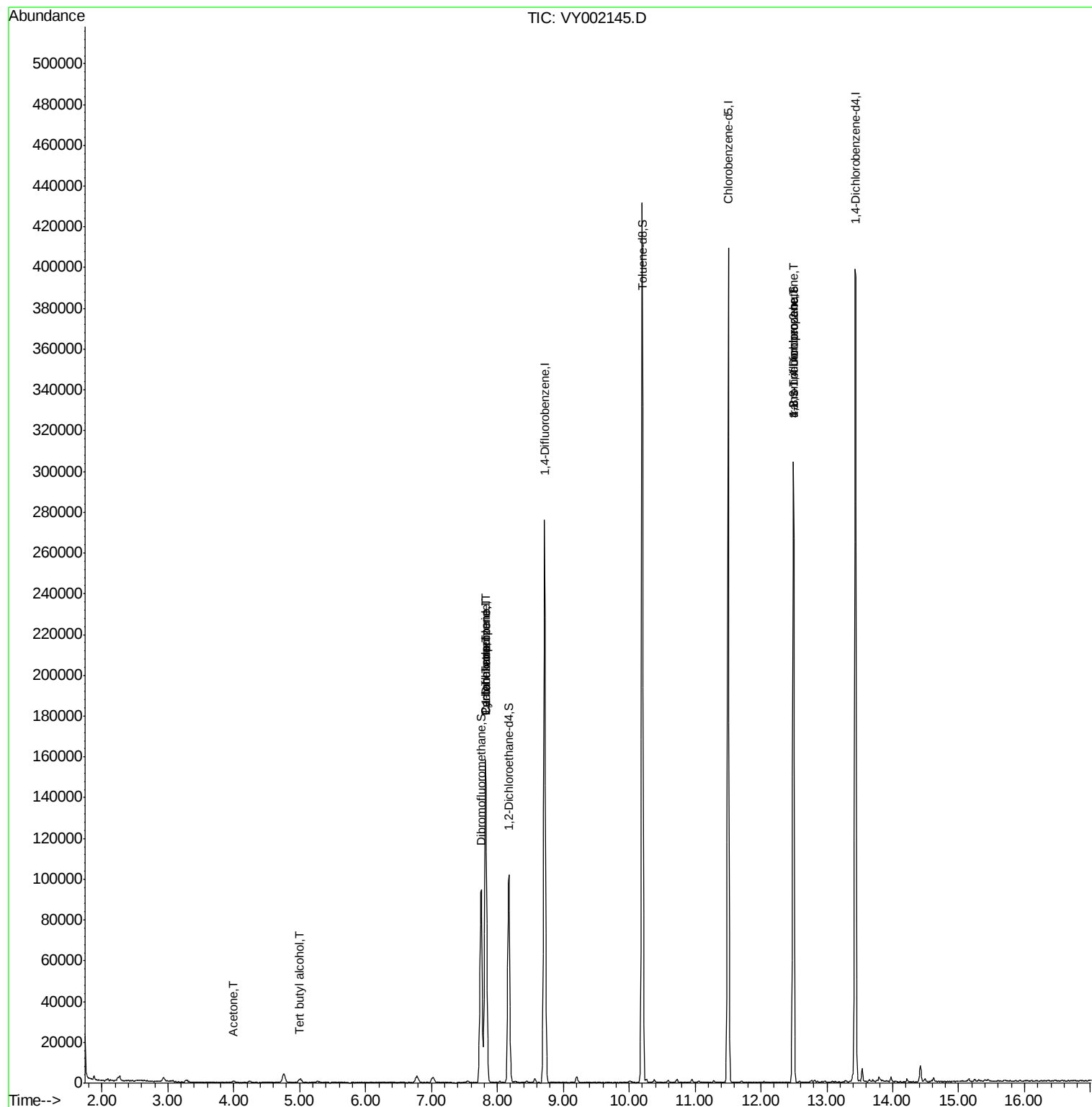
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	116499	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	234262	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	217190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	98683	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	75186	58.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	116.76%	
35) Dibromofluoromethane	7.75	113	68000	51.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.62%	
50) Toluene-d8	10.20	98	284371	52.15	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.49	95	98849	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.99	59	3516	23.167	ug/l	97
16) Acetone	3.99	43	1374	3.797	ug/l #	76
20) Methylene Chloride	4.76	84	3018	Below Cal		91
31) Cyclohexane	7.82	56	3214	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	10151	4.581	ug/l #	50
38) Carbon Tetrachloride	7.82	117	11946	6.355	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	50790	46.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	50790	89.140	ug/l #	17

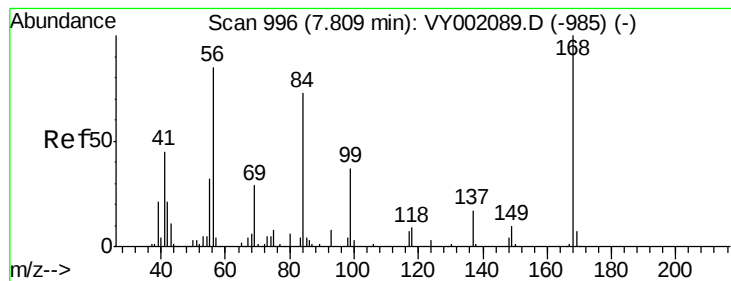
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 05:01:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 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: VY002145.D

Acq: 31 Mar 2020 19:43

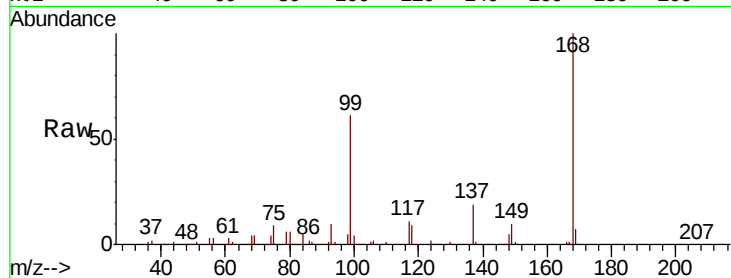
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 116499

Ion Ratio Lower Upper

168 100

99 61.1 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002145.D (-947) (-)

7.82

60000

50000

40000

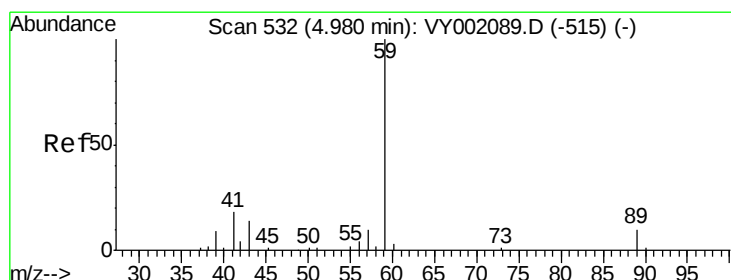
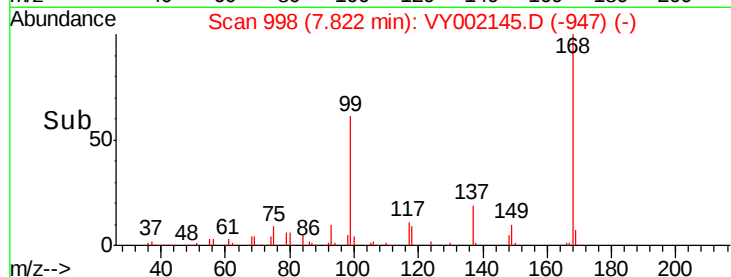
30000

20000

10000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#11

Tert butyl alcohol

Concen: 23.167 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY002145.D

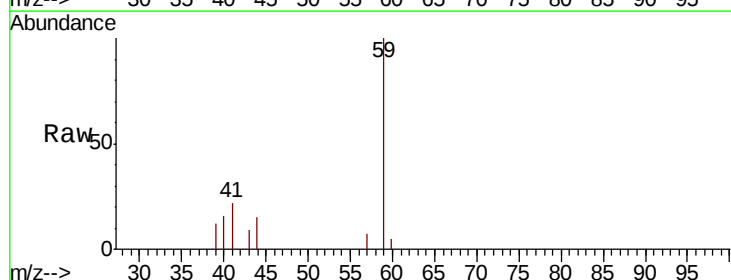
Acq: 31 Mar 2020 19:43

Tgt Ion: 59 Resp: 3516

Ion Ratio Lower Upper

59 100

57 8.7 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VY002089.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY002145.D (-483) (-)

4.99

1200

1000

800

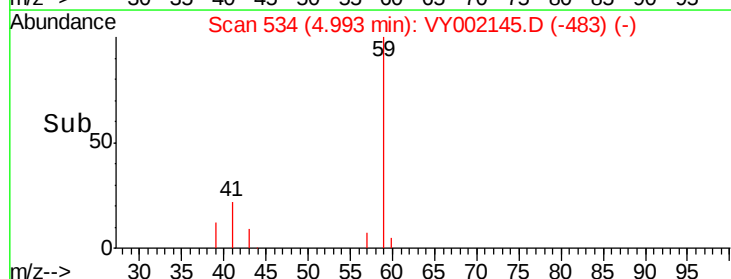
600

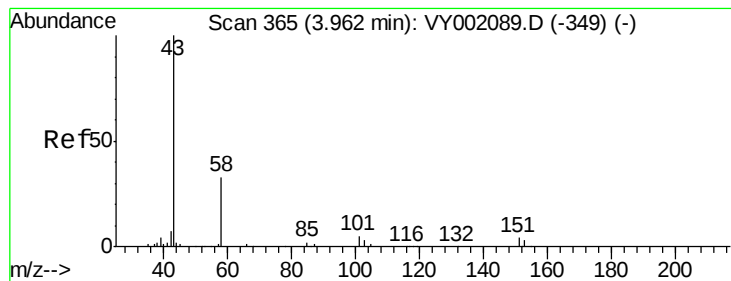
400

200

0

Time--> 4.90 4.95 5.00 5.05 5.10





#16

Acetone

Concen: 3.797 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

Instrument :

MSVOA_Y

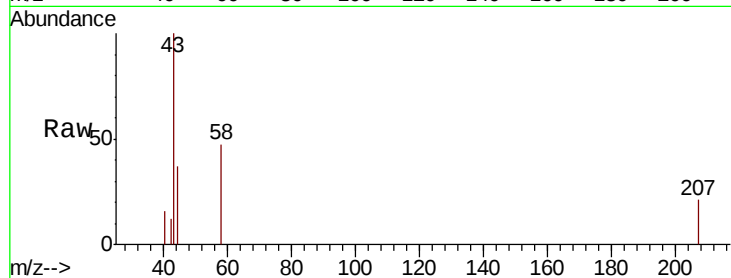
ClientSampled :

Tot Ion: 43 Resp: 1374

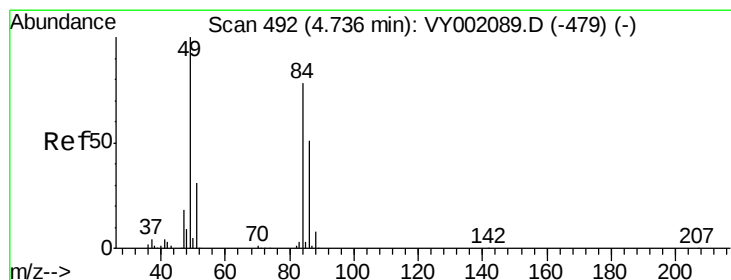
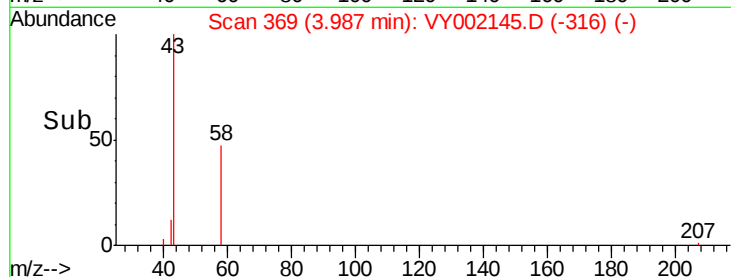
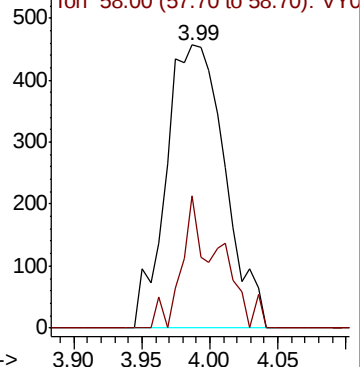
Ion Ratio Lower Upper

43 100

58 46.6 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-349) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.76 min Scan# 496

Delta R.T. 0.03 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

Tgt Ion: 84 Resp: 3018

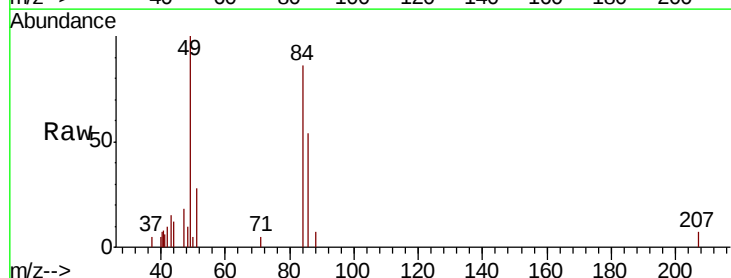
Ion Ratio Lower Upper

84 100

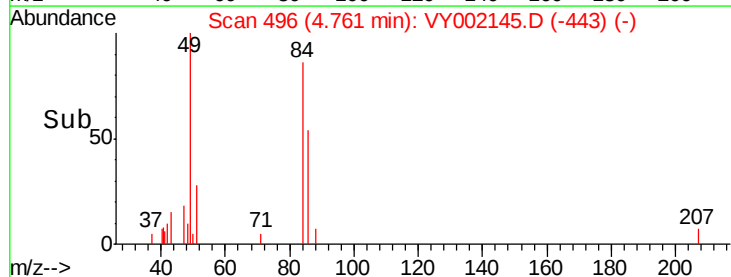
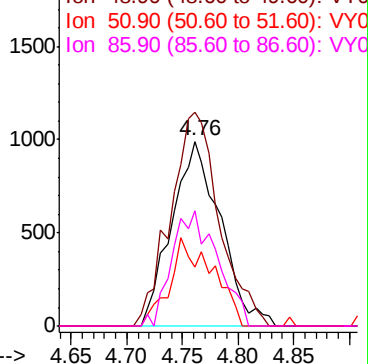
49 115.6 102.2 153.4

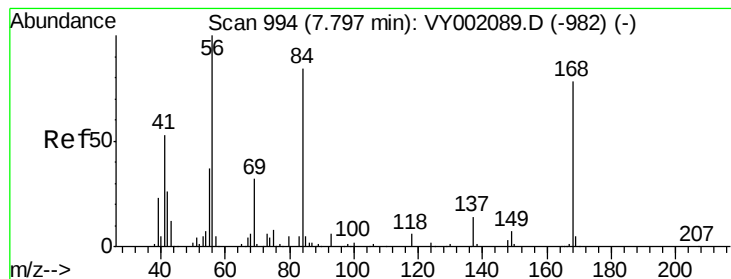
51 32.0 31.2 46.8

86 62.4 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VY002089.D (-479) (-)





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.02 min

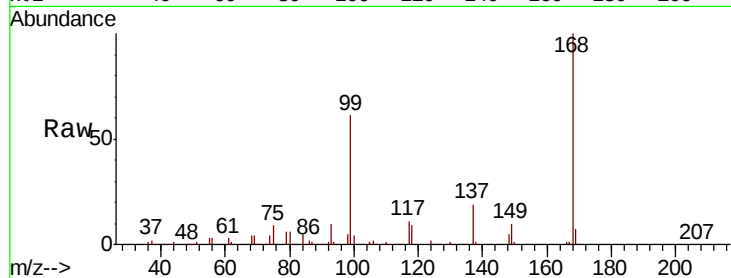
Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

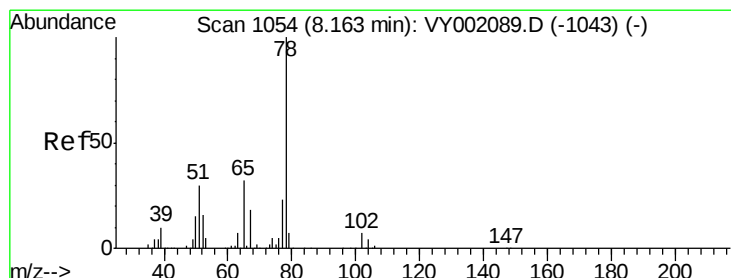
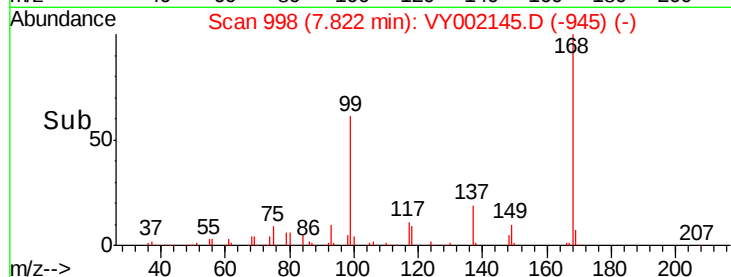
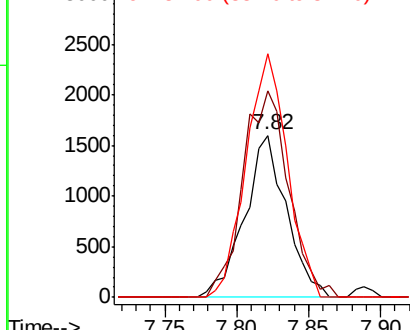
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3214

Ion	Ratio	Lower	Upper
56	100		
69	127.8	25.8	38.8#
84	150.5	67.1	100.7#



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: 58.380 ug/l

RT: 8.18 min Scan# 1056

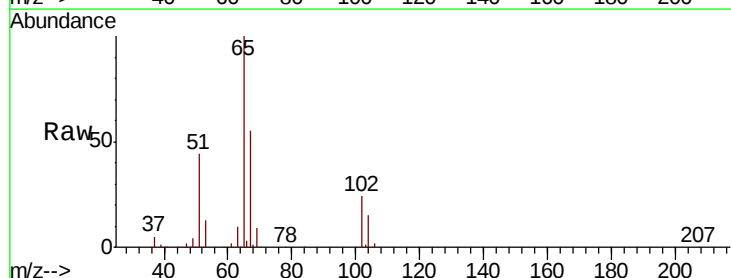
Delta R.T. 0.01 min

Lab File: VY002145.D

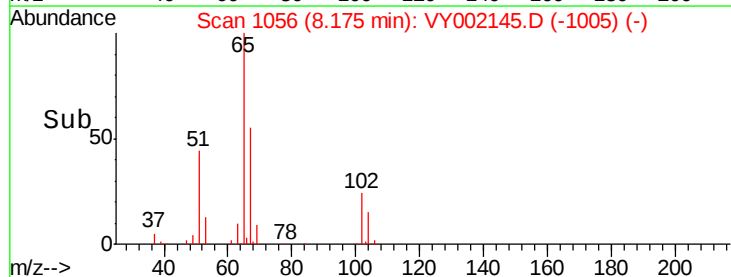
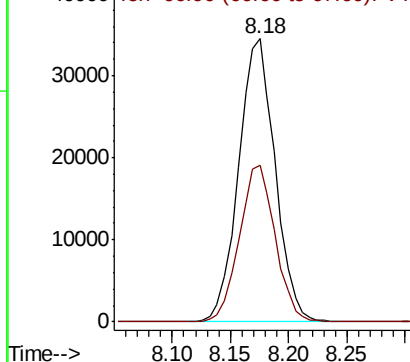
Acq: 31 Mar 2020 19:43

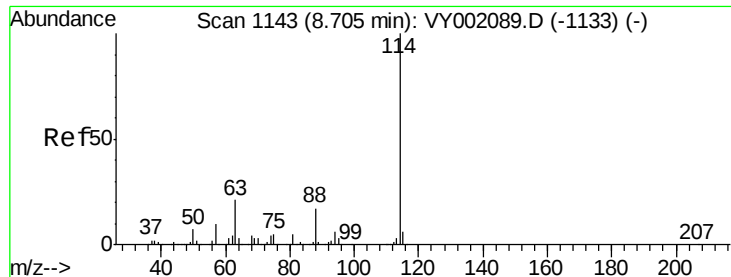
Tgt Ion: 65 Resp: 75186

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	112.8



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

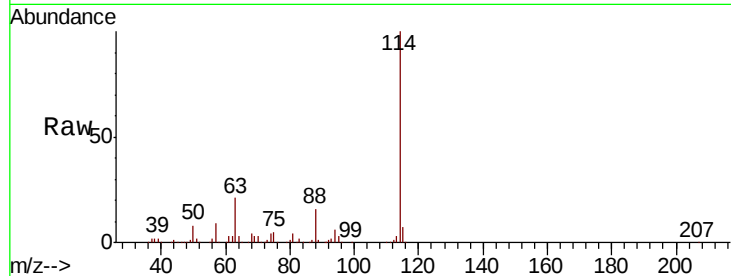




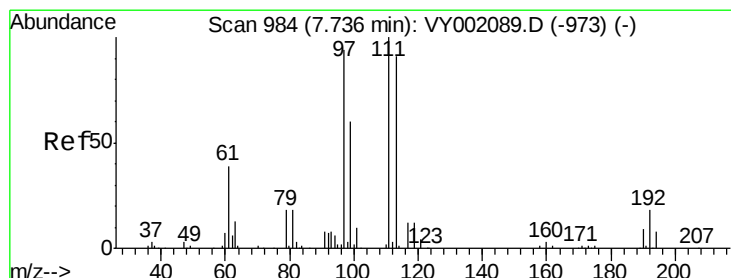
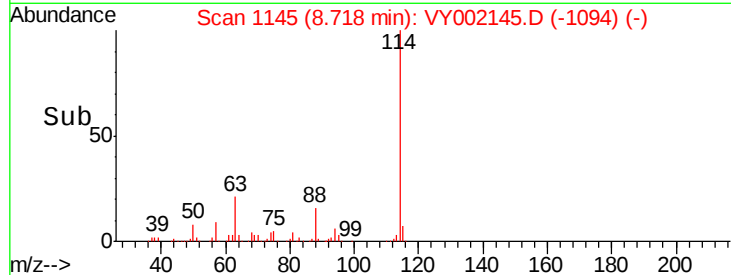
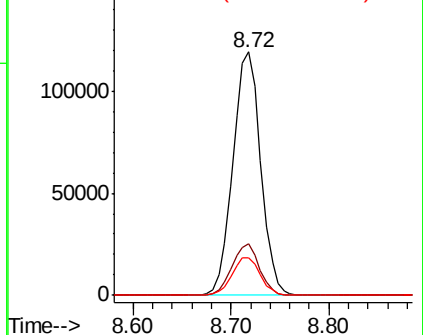
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.72 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VY002145.D
Acq: 31 Mar 2020 19:43

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 234262
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.4
88 15.6 0.0 33.0

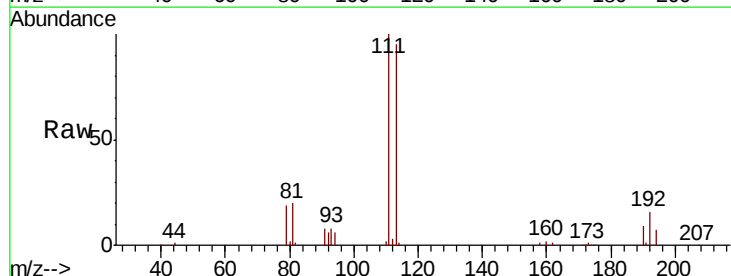


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

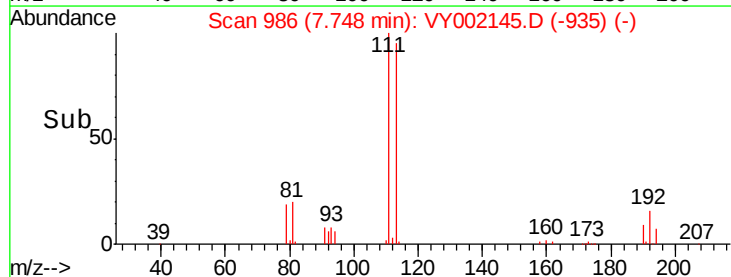
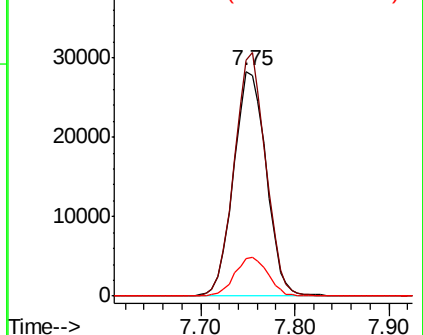


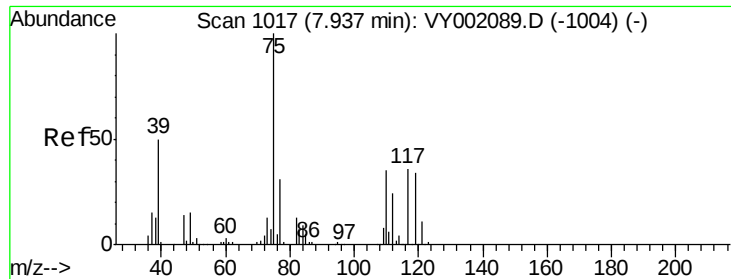
#35
Dibromofluoromethane
Concen: 51.805 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY002145.D
Acq: 31 Mar 2020 19:43

Tgt Ion:113 Resp: 68000
Ion Ratio Lower Upper
113 100
111 104.4 84.4 126.6
192 17.5 14.6 21.8



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

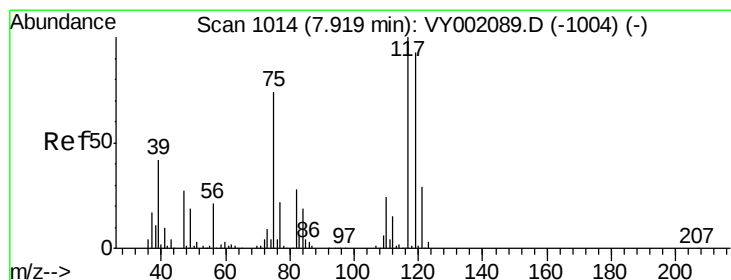
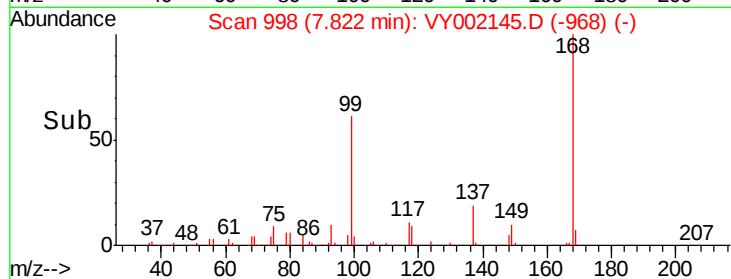
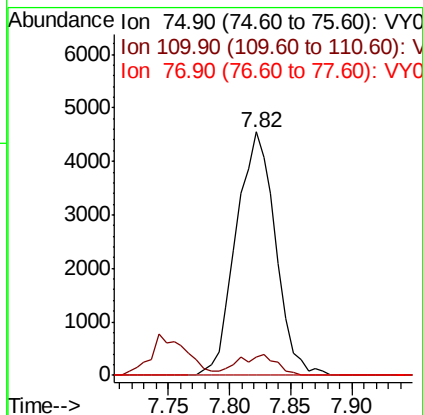
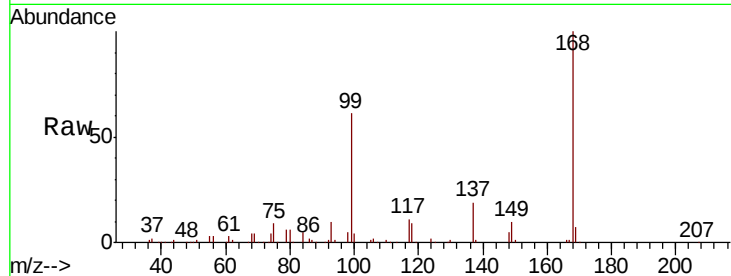




#36
 1,1-Dichloropropene
 Concen: 4.581 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002145.D
 Acq: 31 Mar 2020 19:43

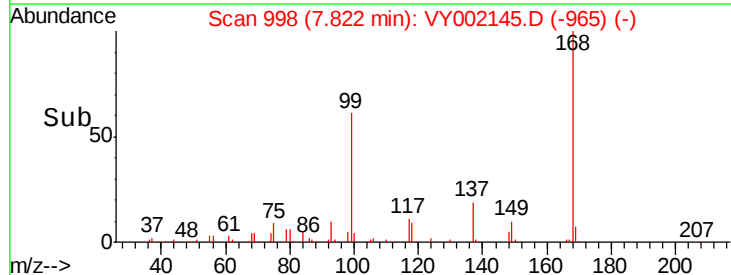
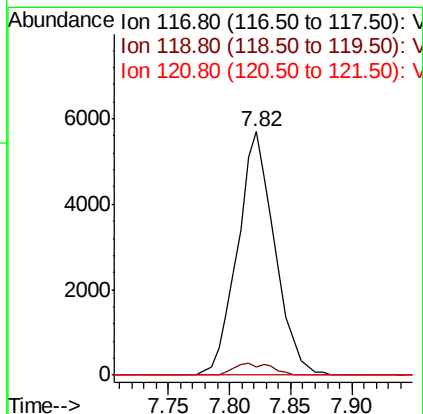
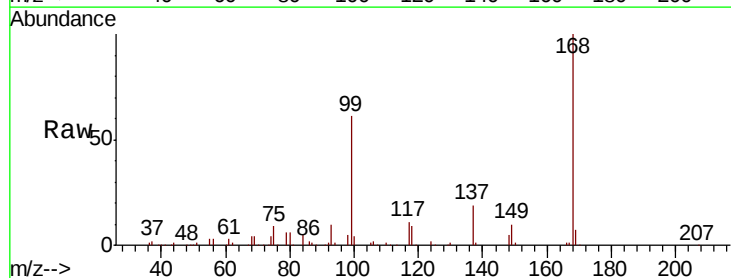
Instrument :
 MSVOA_Y
 ClientSampleId :

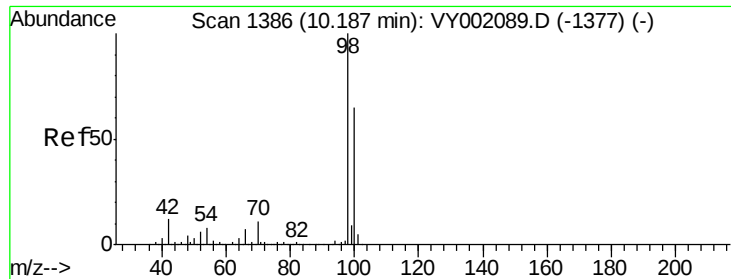
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.355 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY002145.D
 Acq: 31 Mar 2020 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 52.151 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

Instrument :

MSVOA_Y

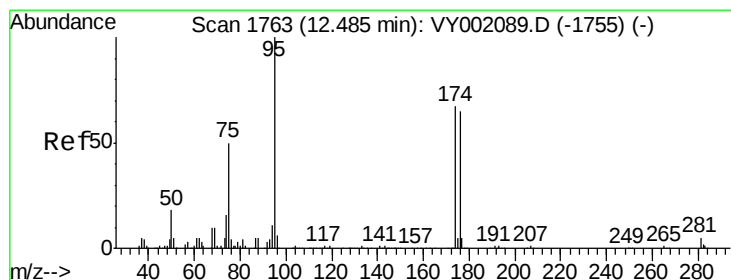
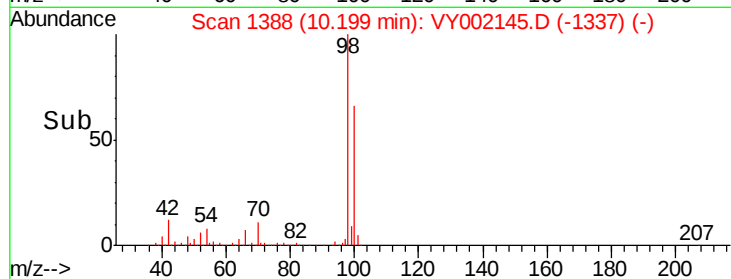
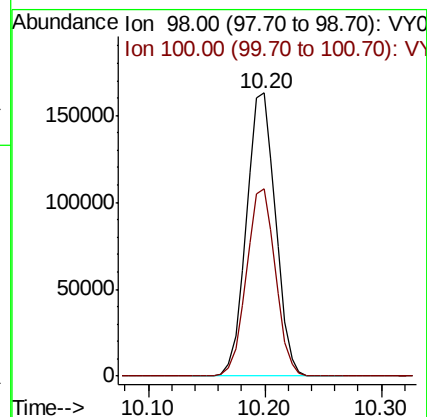
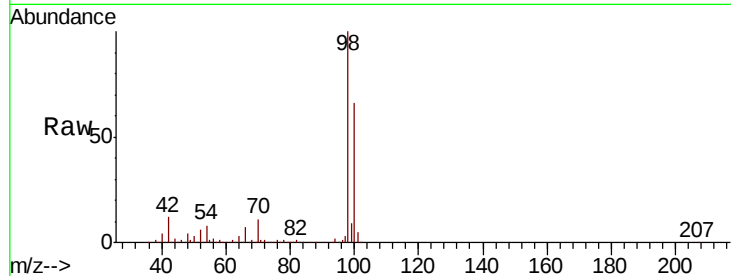
ClientSampleId :

Tot Ion: 98 Resp: 284371

Ion Ratio Lower Upper

98 100

100 65.8 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 51.833 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

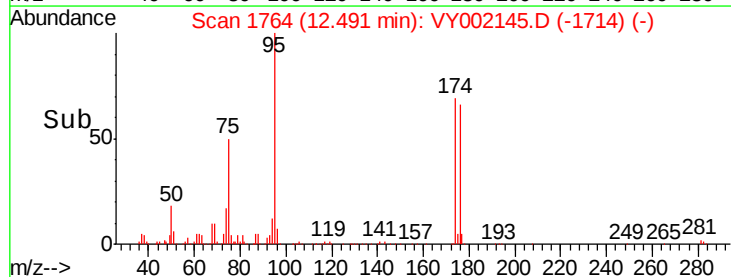
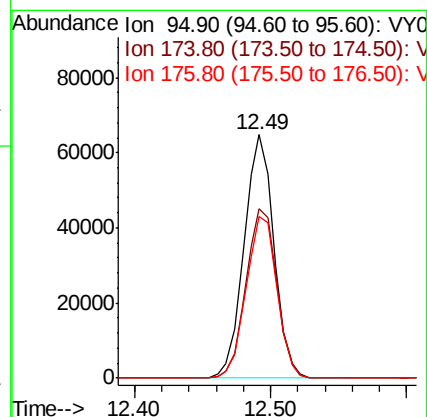
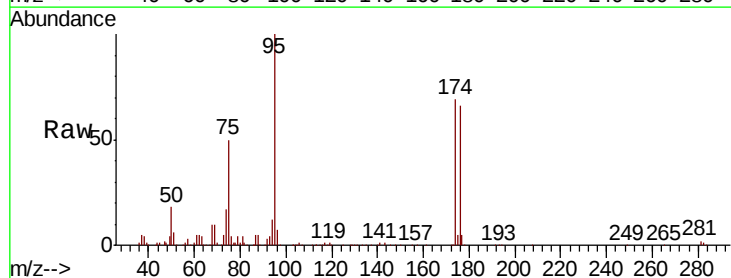
Tgt Ion: 95 Resp: 98849

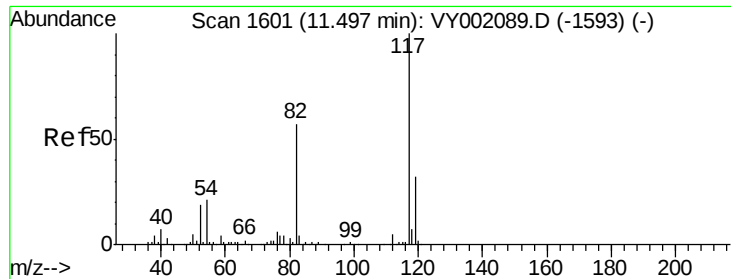
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.4

176 69.0 0.0 137.0

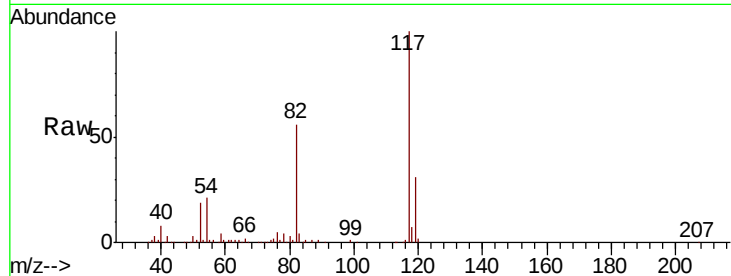




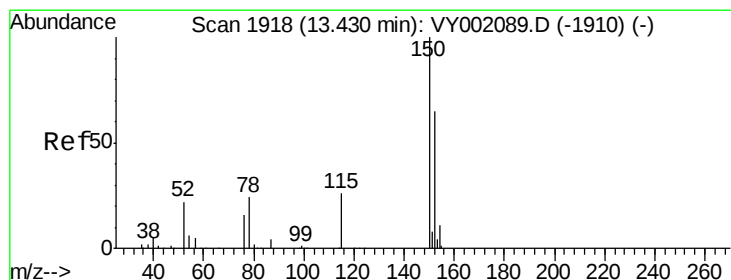
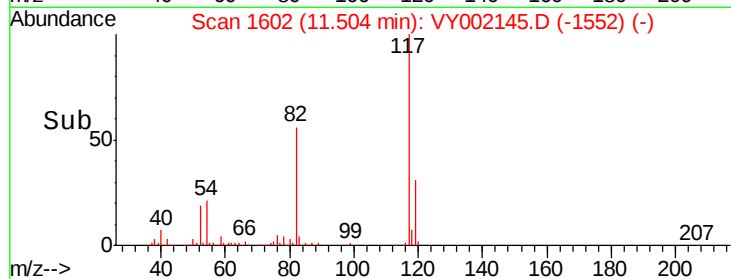
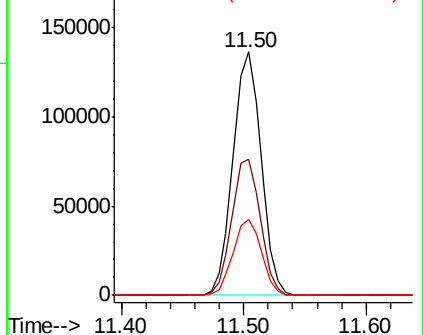
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002145.D
Acq: 31 Mar 2020 19:43

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.4	68.2
119	31.4	25.3	37.9

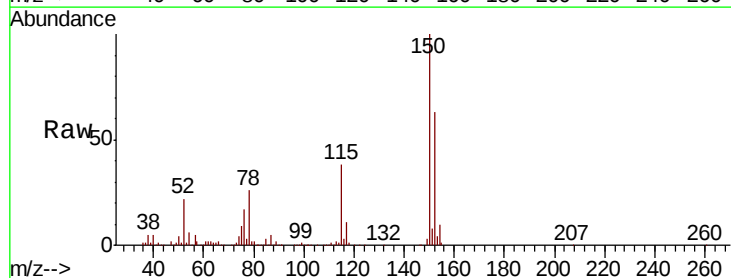


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

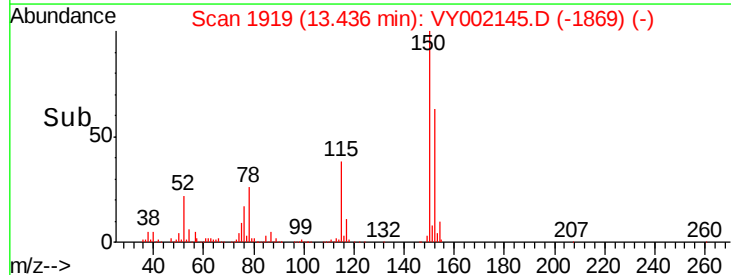
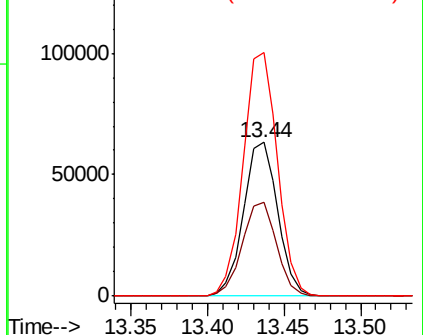


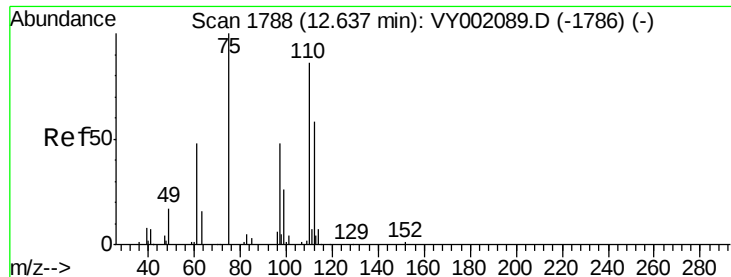
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002145.D
Acq: 31 Mar 2020 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	31.2	93.6
150	158.3	0.0	354.8



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: 46.011 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

Instrument :

MSVOA_Y

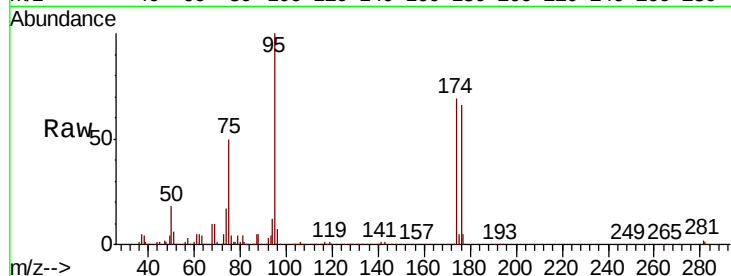
ClientSampleId :

Tot Ion: 75 Resp: 50790

Ion Ratio Lower Upper

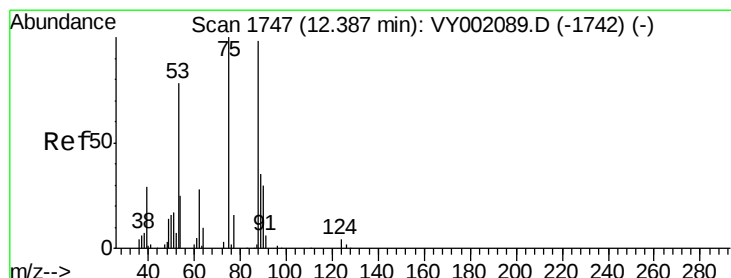
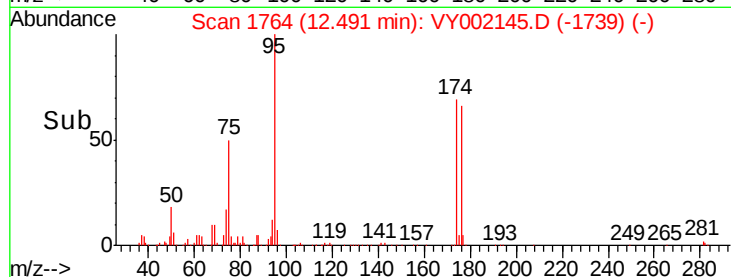
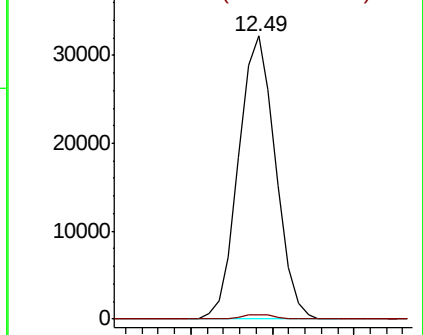
75 100

77 1.5 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: 89.140 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

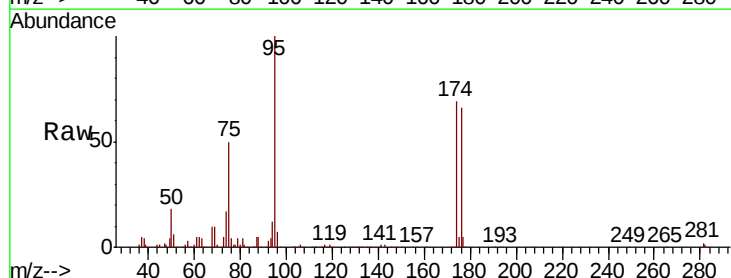
Tgt Ion: 75 Resp: 50790

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.3 33.4 50.0#



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

