

Data File : VY001979.D
Acq On : 16 Mar 2020 13:45
Operator : SY/MD
Sample : L1942-20
Misc : 7.57G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5(3-4)

Quant Time: Mar 17 08:05:41 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	143214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	273123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	109979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	84668	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
35) Dibromofluoromethane	7.75	113	79728	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	10.20	98	328026	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.50	95	111025	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

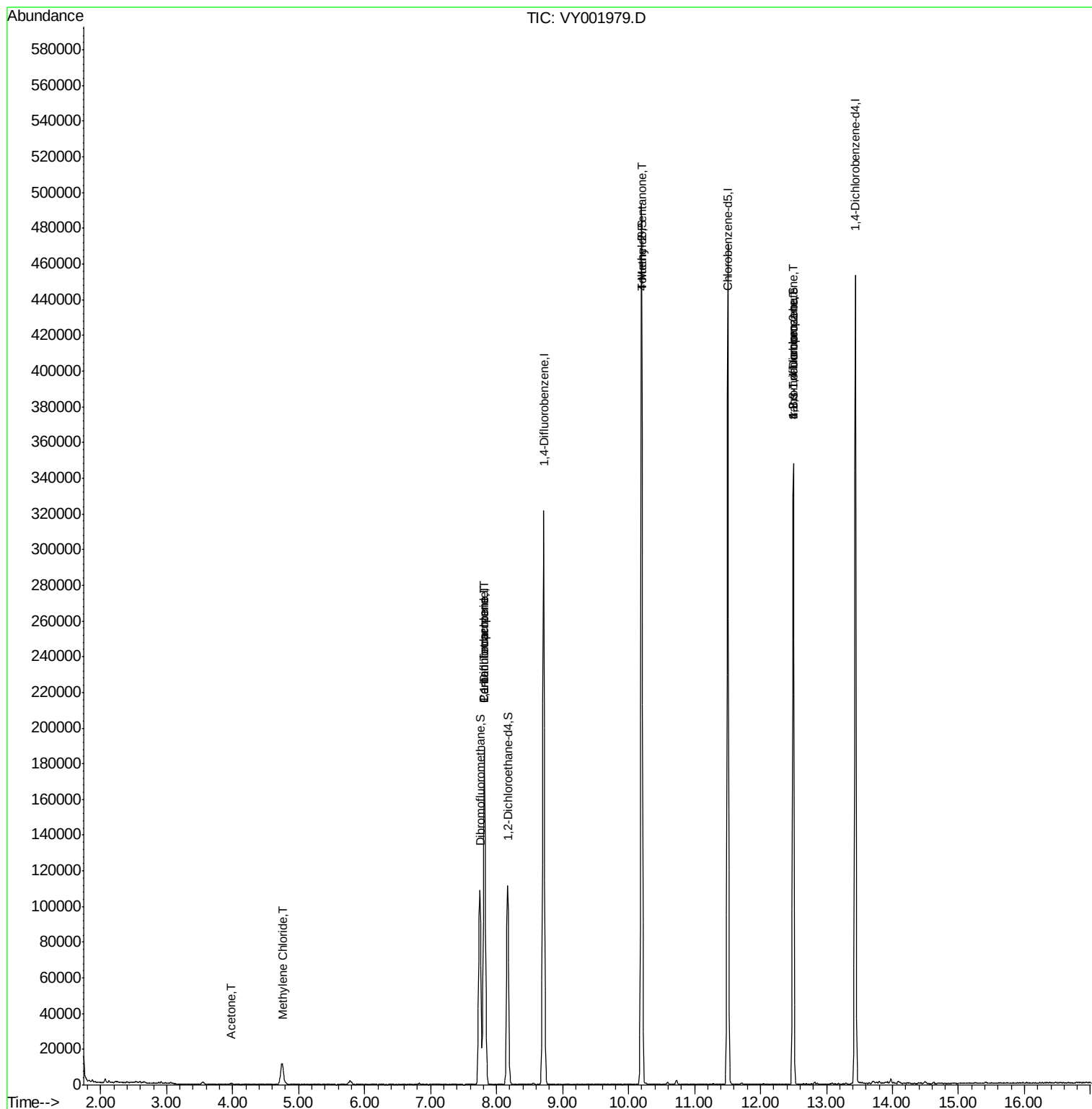
						Qvalue
5) Bromomethane	2.69	94	56	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	42	Below Cal	#	74
16) Acetone	3.97	43	1339	3.007	ug/l #	62
20) Methylene Chloride	4.75	84	9095	4.765	ug/l	94
36) 1,1-Dichloropropene	7.82	75	11810	4.493	ug/l #	51
38) Carbon Tetrachloride	7.82	117	13954	6.215	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1532	1.028	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	57500	44.062	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	57500	89.003	ug/l #	17

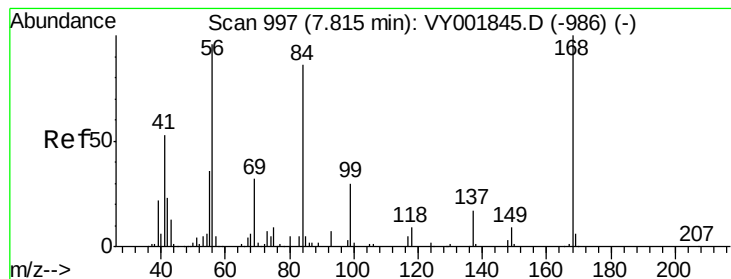
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001979.D

Acq: 16 Mar 2020 13:45

Instrument :

MSVOA_Y

ClientSampleId :

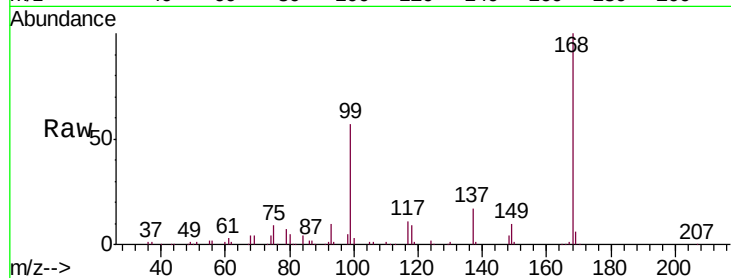
TP-5(3-4)

Tgt Ion:168 Resp: 143214

Ion Ratio Lower Upper

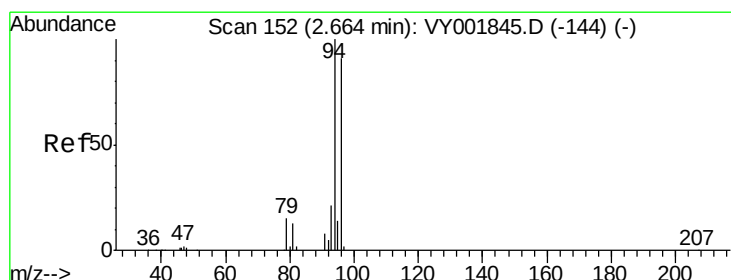
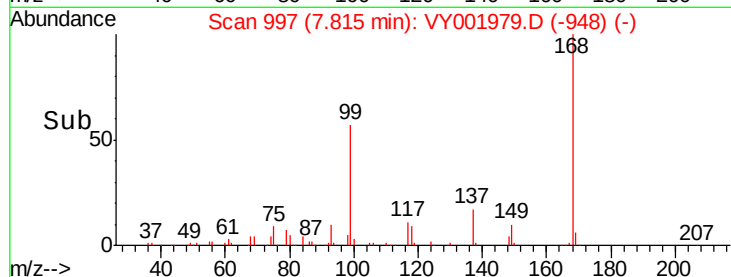
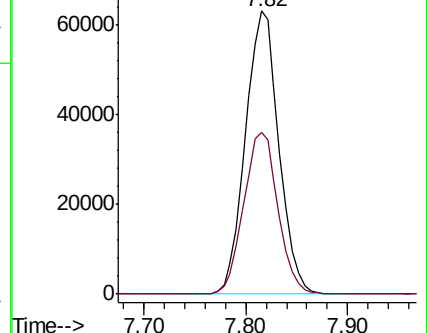
168 100

99 57.2 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. 0.02 min

Lab File: VY001979.D

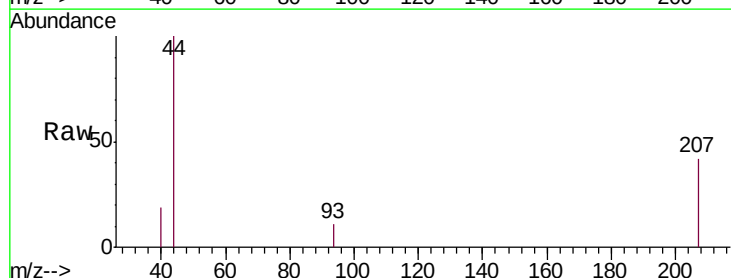
Acq: 16 Mar 2020 13:45

Tgt Ion: 94 Resp: 56

Ion Ratio Lower Upper

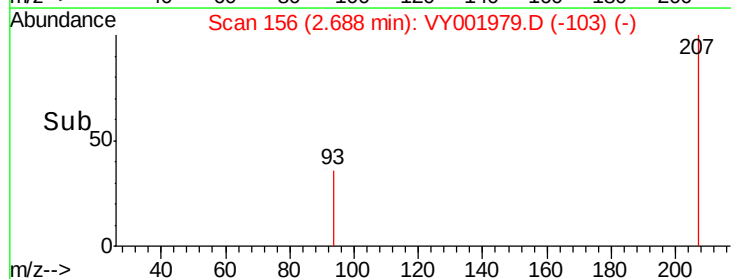
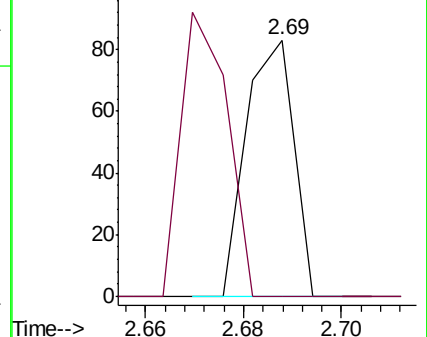
94 100

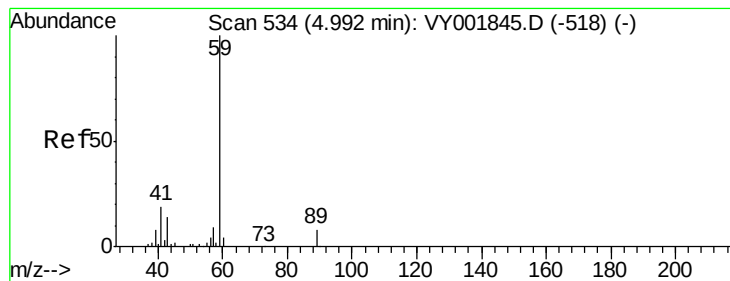
96 0.0 73.2 109.8#



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

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



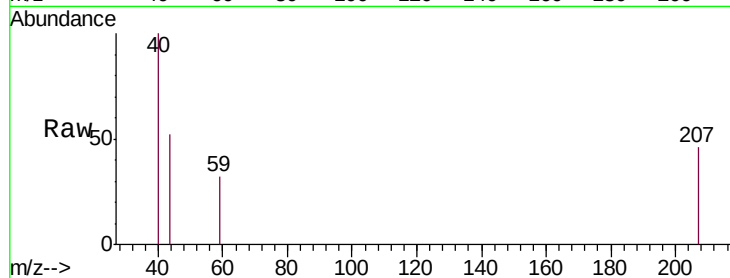


#11

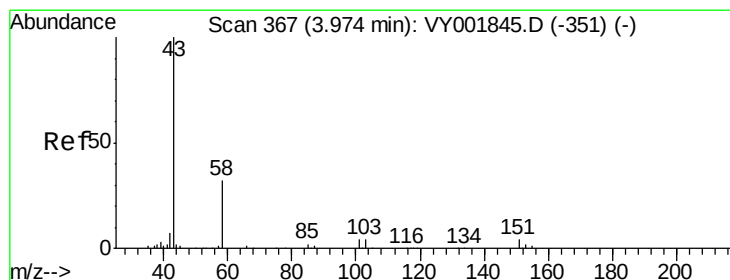
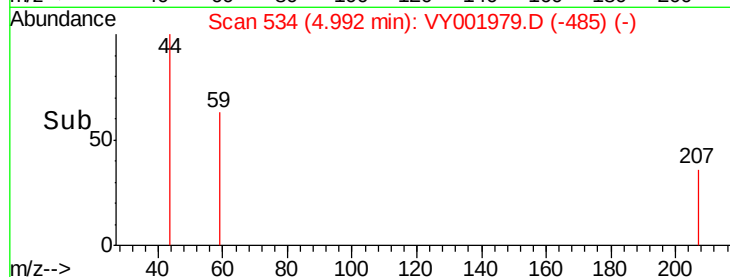
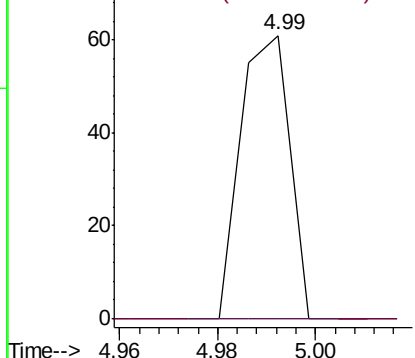
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY001979.D
 Acq: 16 Mar 2020 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5(3-4)

Tgt Ion: 59 Resp: 42
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



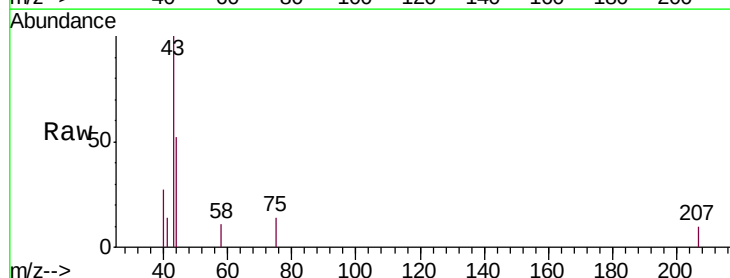
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



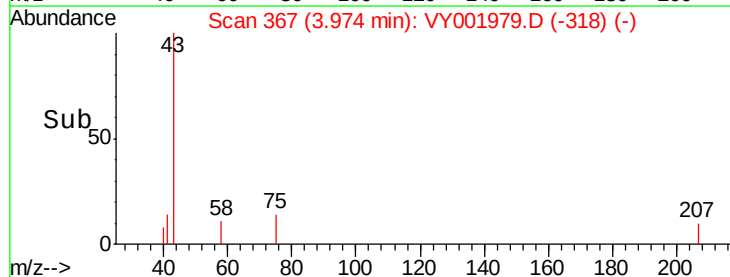
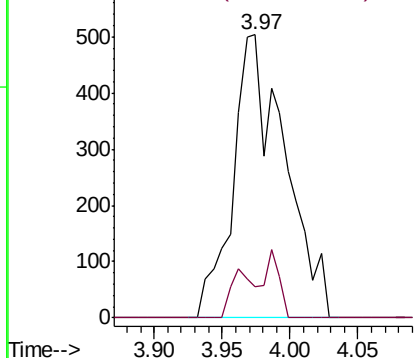
#16

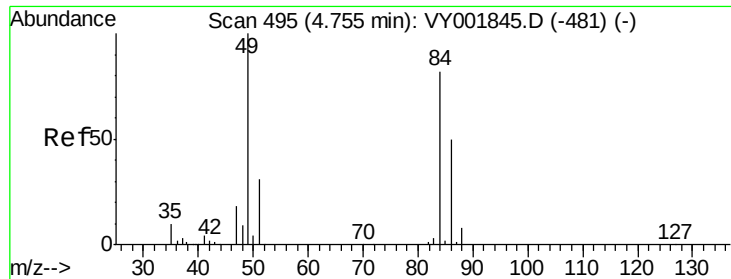
Acetone
 Concen: 3.007 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VY001979.D
 Acq: 16 Mar 2020 13:45

Tgt Ion: 43 Resp: 1339
 Ion Ratio Lower Upper
 43 100
 58 11.1 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

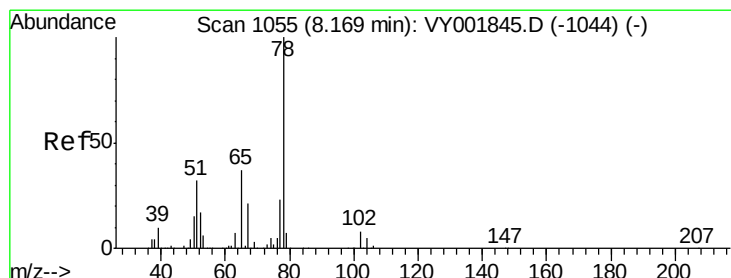
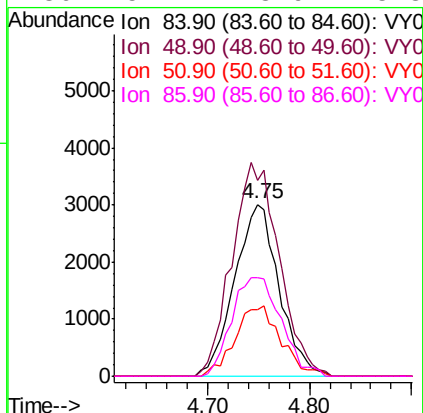
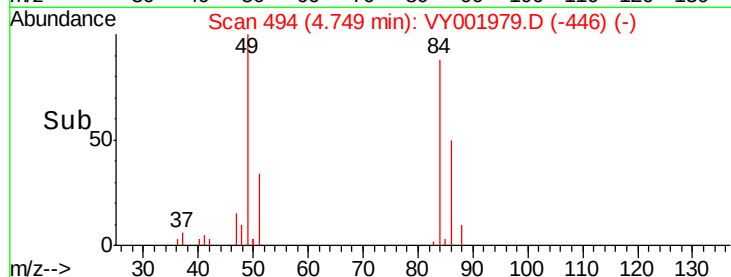
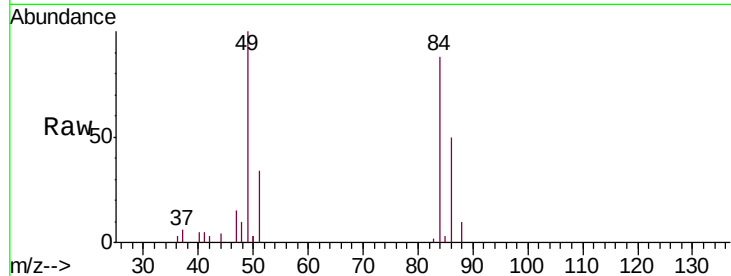




#20
Methylene Chloride
Concen: 4.765 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001979.D
Acq: 16 Mar 2020 13:45

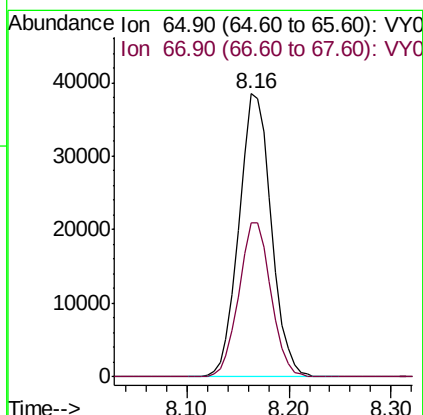
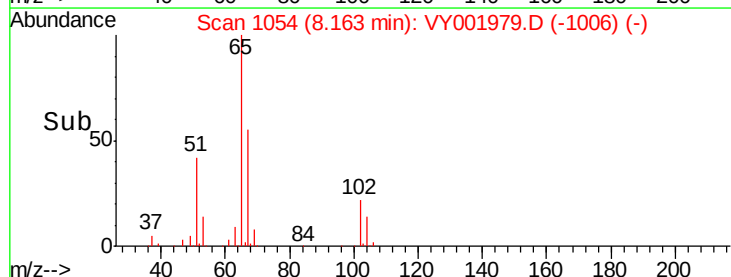
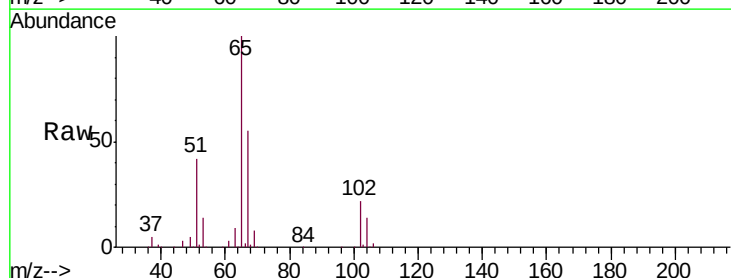
Instrument :
MSVOA_Y
ClientSampleId :
TP-5(3-4)

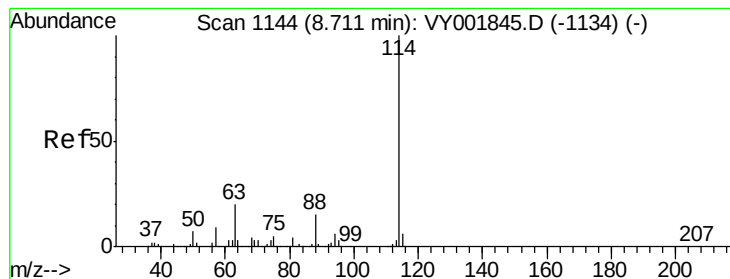
Tgt Ion: 84 Resp: 9095
Ion Ratio Lower Upper
84 100
49 113.8 98.2 147.2
51 38.8 30.2 45.2
86 57.1 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 55.378 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001979.D
Acq: 16 Mar 2020 13:45

Tgt Ion: 65 Resp: 84668
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: VY001979.D

Acq: 16 Mar 2020 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-5(3-4)

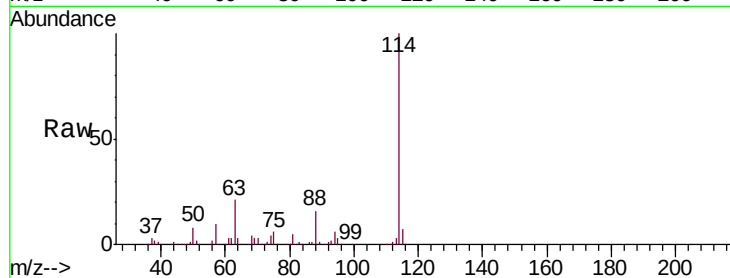
Tgt Ion:114 Resp: 273123

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.4

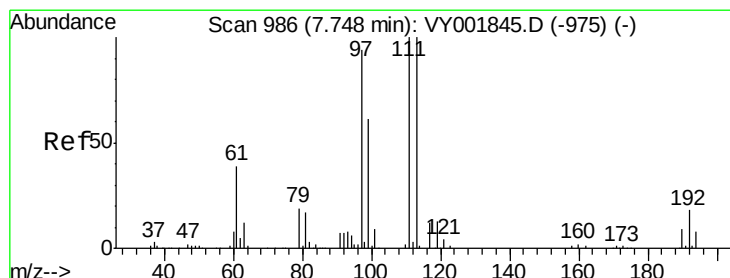
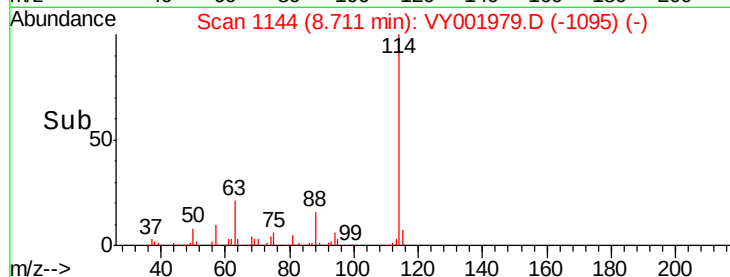
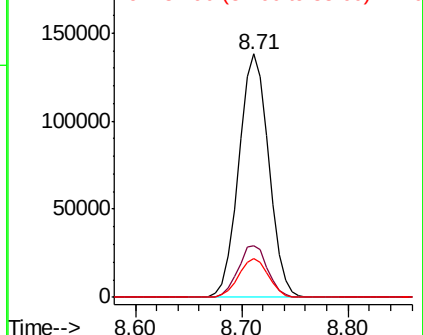
88 15.9 0.0 30.4



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: 53.459 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001979.D

Acq: 16 Mar 2020 13:45

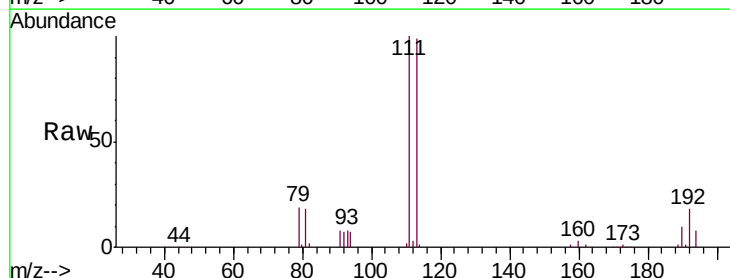
Tgt Ion:113 Resp: 79728

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

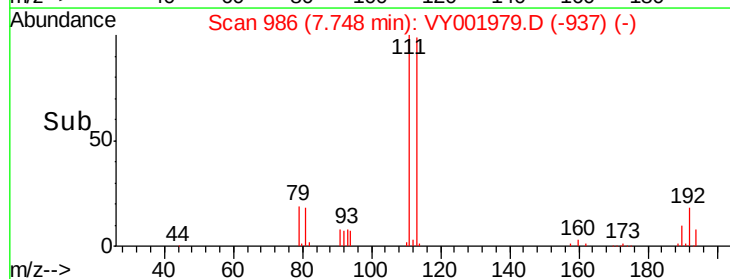
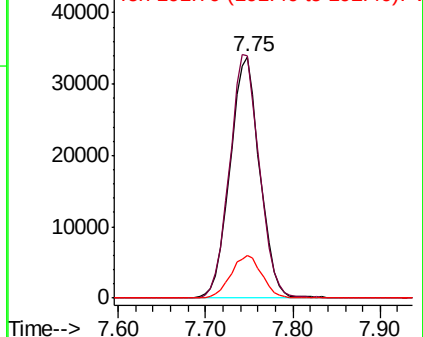
192 18.2 14.2 21.2

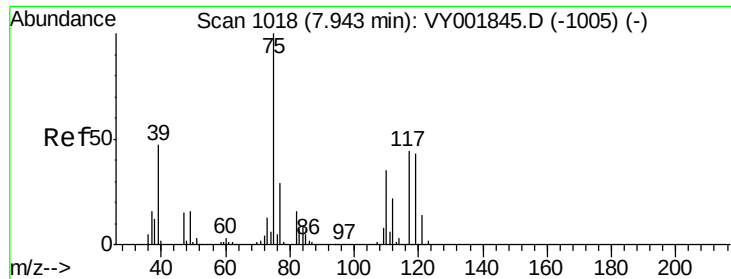


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

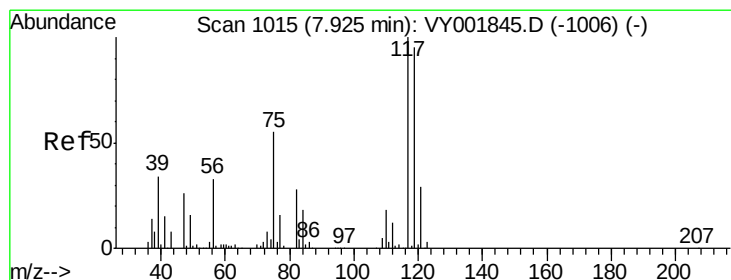
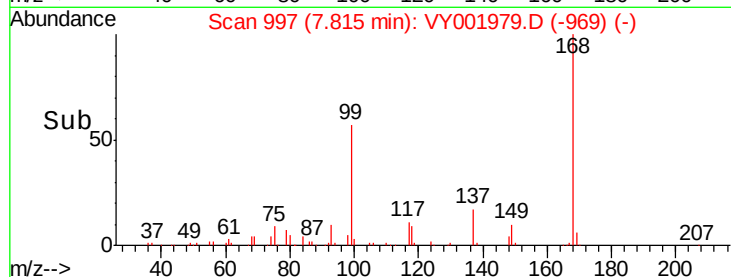
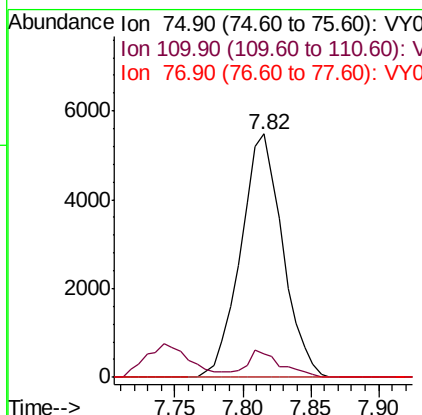
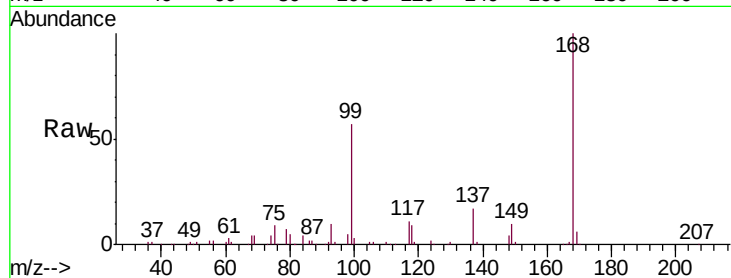




#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001979.D
 Acq: 16 Mar 2020 13:45

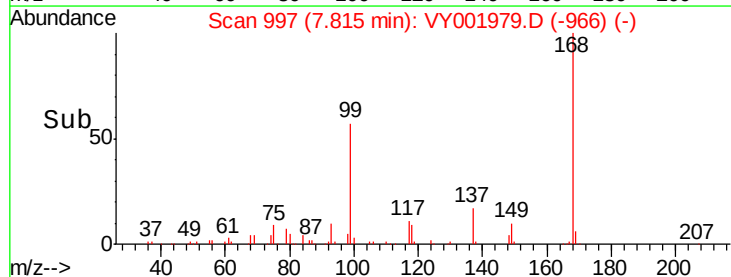
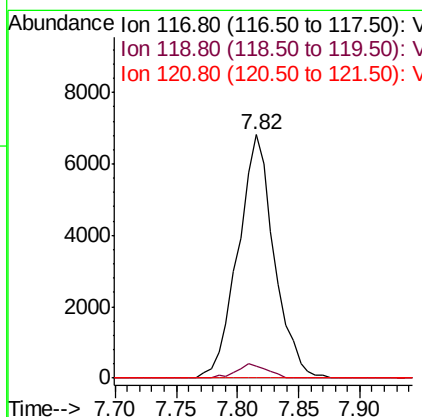
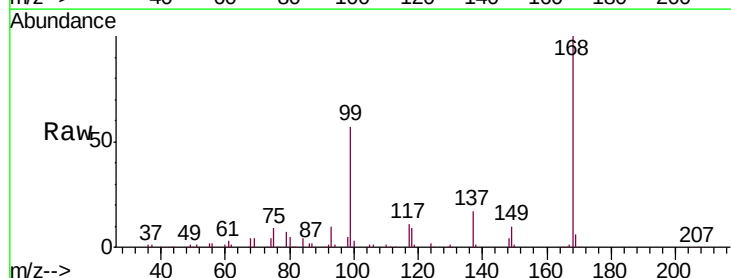
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5(3-4)

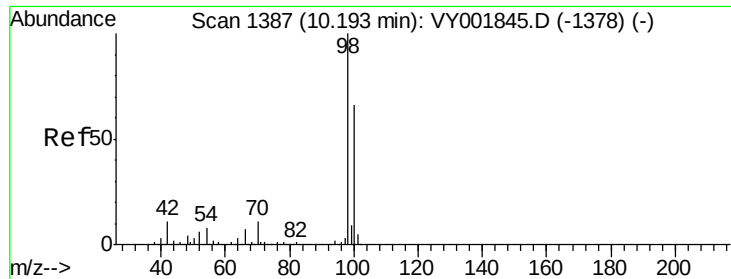
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.215 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001979.D
 Acq: 16 Mar 2020 13:45

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: 52.160 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001979.D

Acq: 16 Mar 2020 13:45

Instrument :

MSVOA_Y

ClientSampleId :

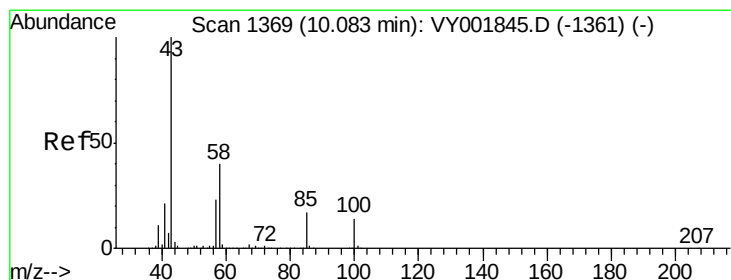
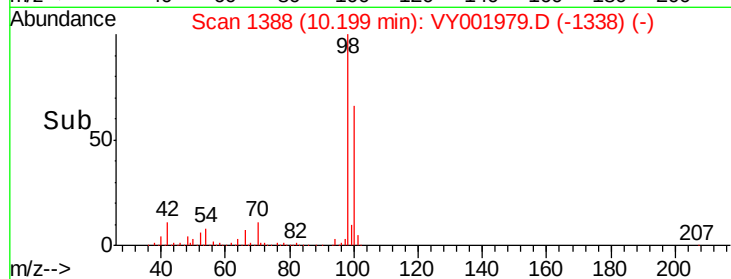
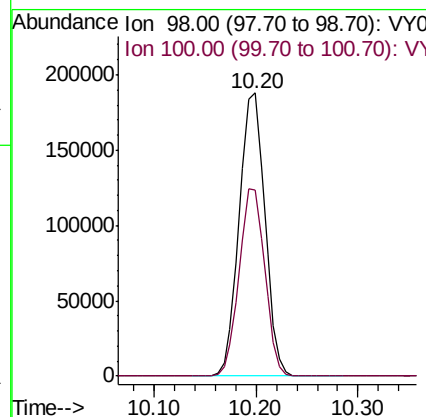
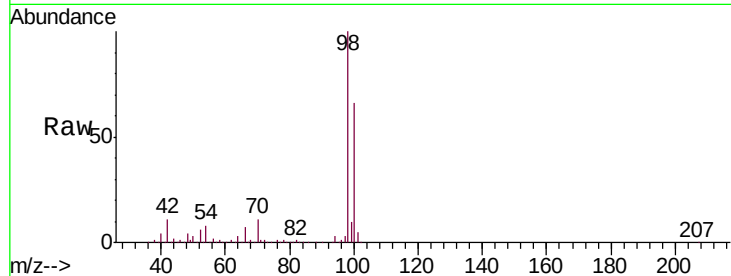
TP-5(3-4)

Tgt Ion: 98 Resp: 328026

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.028 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001979.D

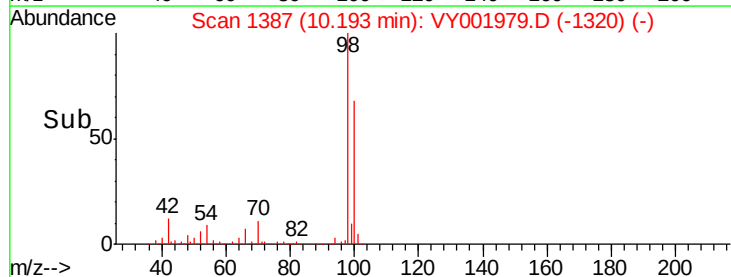
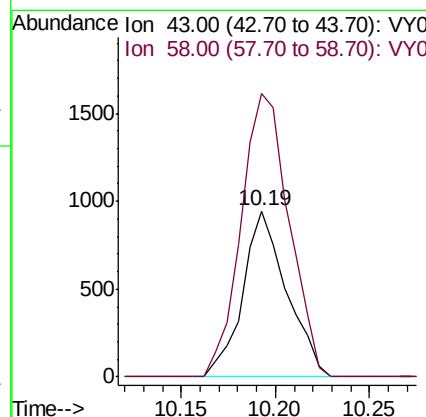
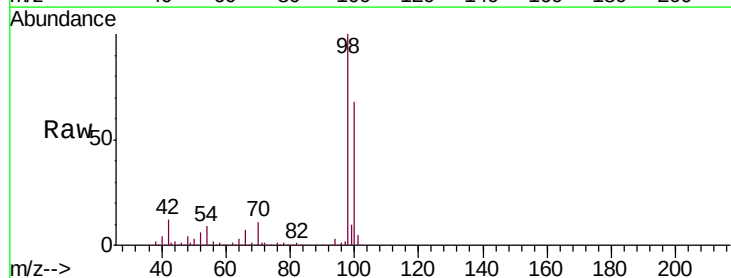
Acq: 16 Mar 2020 13:45

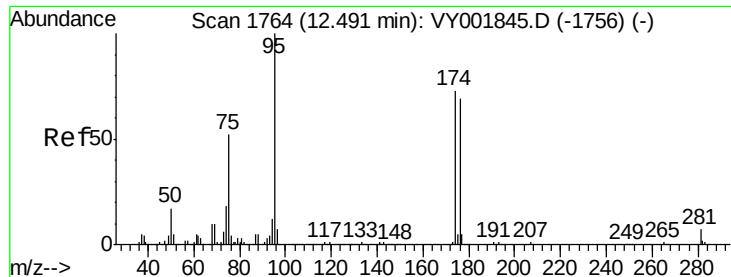
Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

58 186.0 32.0 48.0#

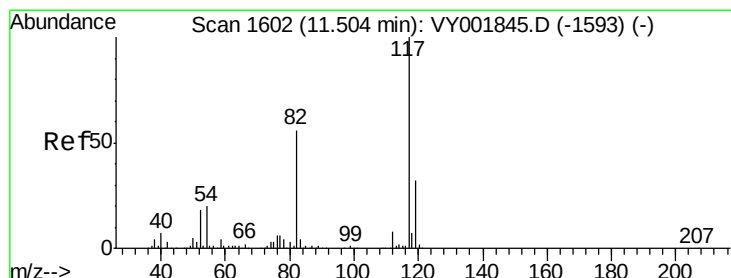
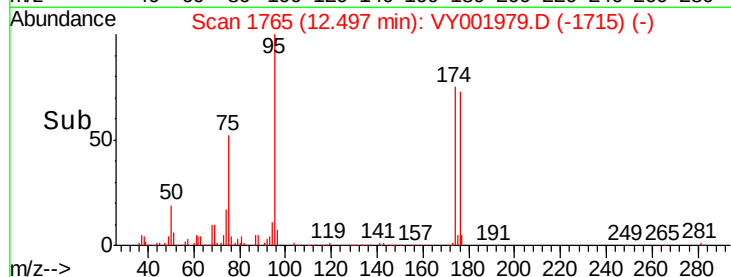
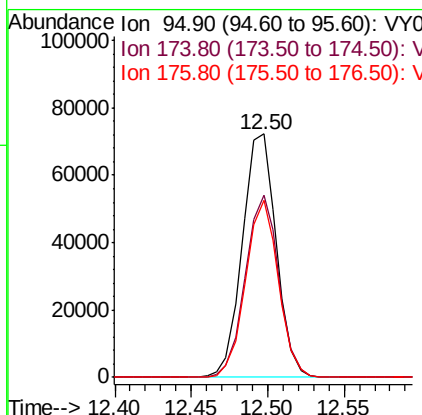
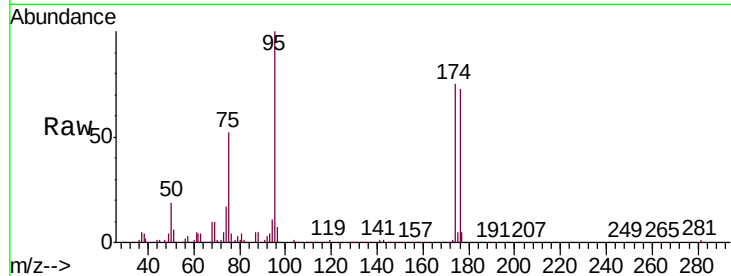




#62
4-Bromofluorobenzene
Concen: 50.772 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001979.D
Acq: 16 Mar 2020 13:45

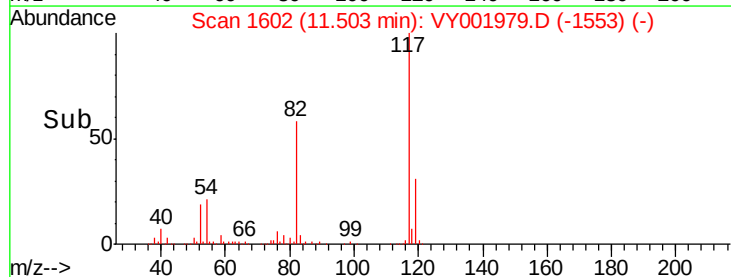
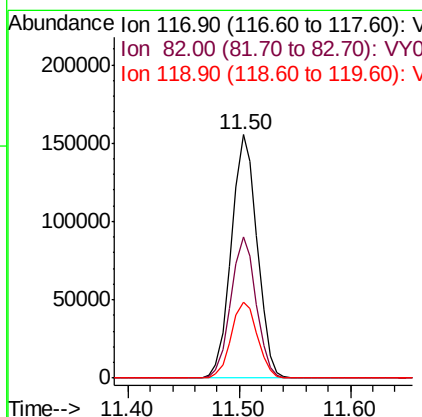
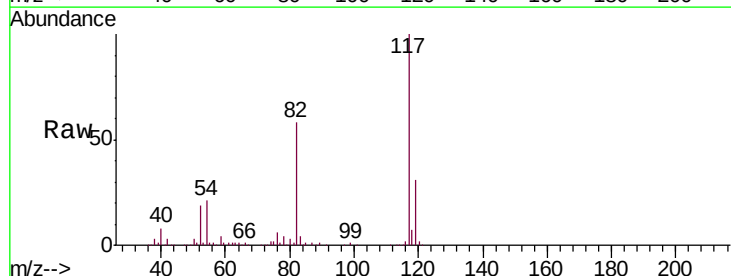
Instrument :
MSVOA_Y
ClientSampleId :
TP-5(3-4)

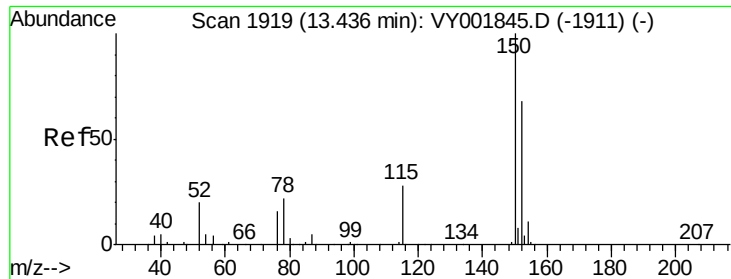
Tgt Ion: 95 Resp: 111025
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.0
176 70.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001979.D
Acq: 16 Mar 2020 13:45

Tgt Ion: 117 Resp: 248781
Ion Ratio Lower Upper
117 100
82 58.1 44.5 66.7
119 31.4 25.7 38.5

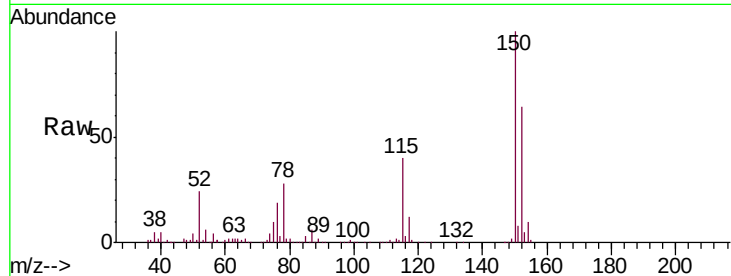




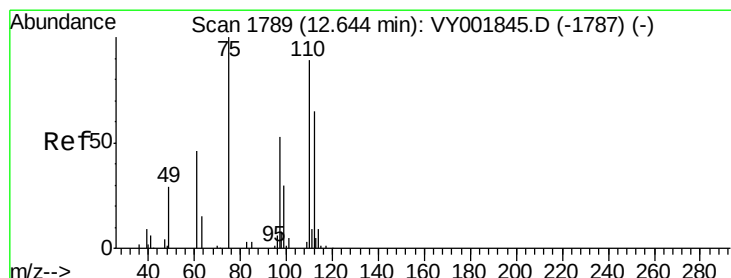
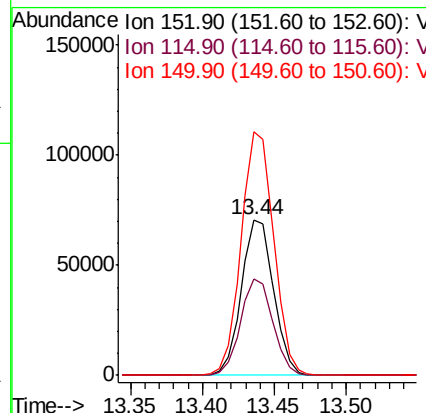
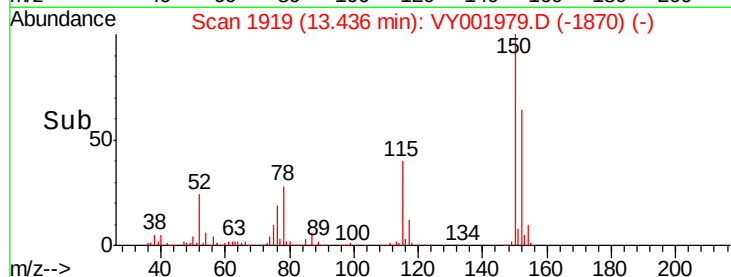
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.44 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VY001979.D
 Acq: 16 Mar 2020 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5(3-4)

Tgt Ion: 152 Resp: 109979
 Ion Ratio Lower Upper
 152 100
 115 61.8 29.9 89.7
 150 158.1 0.0 340.6

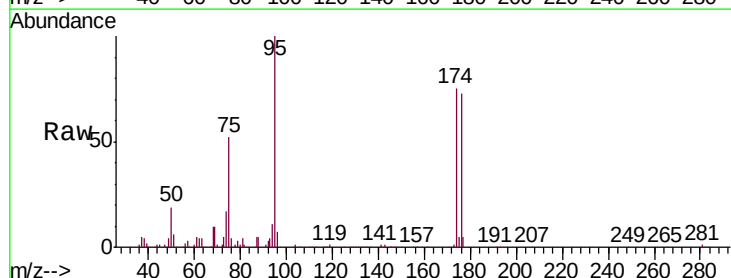


Abundance Ion 151.90 (151.60 to 152.60): V
 150000 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

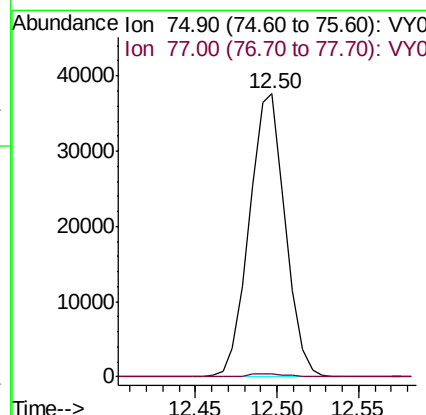
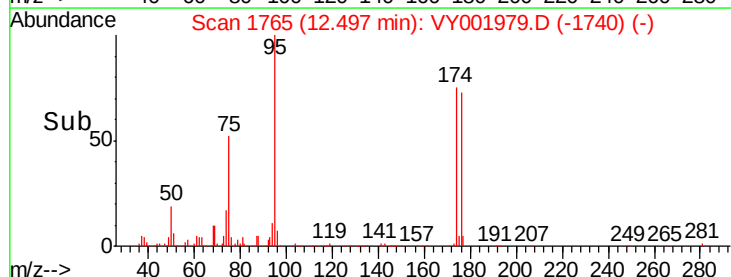


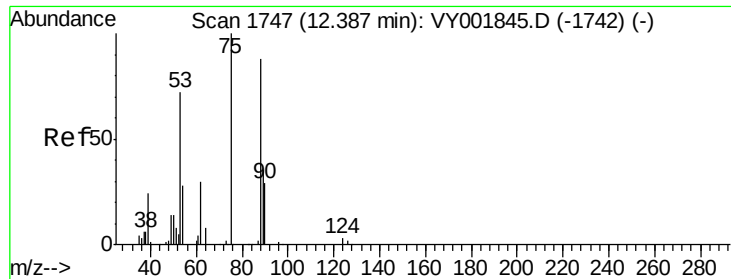
#76
 1,2,3-Trichloropropane
 Concen: 44.062 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.15 min
 Lab File: VY001979.D
 Acq: 16 Mar 2020 13:45

Tgt Ion: 75 Resp: 57500
 Ion Ratio Lower Upper
 75 100
 77 1.2 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: 89.003 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001979.D

Acq: 16 Mar 2020 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-5(3-4)

Tgt Ion: 75 Resp: 57500

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

