

Data File : VY001943.D
Acq On : 11 Mar 2020 15:16
Operator : SY/MD
Sample : L1893-09
Misc : 7.24G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2(8-9)

Quant Time: Mar 12 01:56:53 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	7.81	168	134030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	259067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	237103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	107149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	86037	60.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	120.26%	
35) Dibromofluoromethane	7.74	113	75128	53.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.22%	
50) Toluene-d8	10.19	98	316333	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.49	95	108715	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

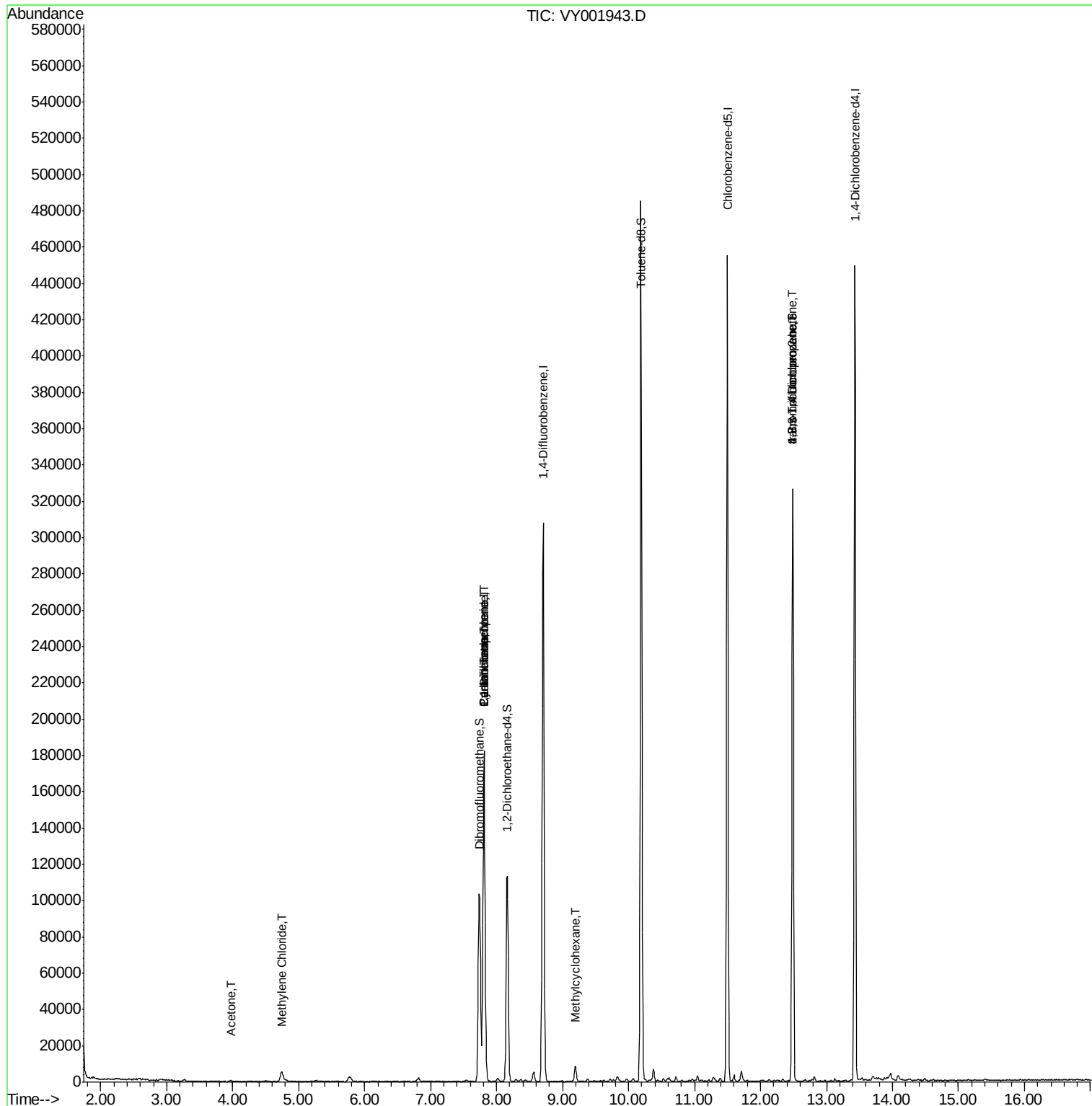
						Qvalue
5) Bromomethane	2.66	94	77	Below Cal	#	4
11) Tert butyl alcohol	4.94	59	46	Below Cal	#	74
16) Acetone	3.97	43	968	2.323	ug/l	91
20) Methylene Chloride	4.74	84	4243	2.376	ug/l #	87
31) Cyclohexane	7.80	56	4512	1.435	ug/l #	26
36) 1,1-Dichloropropene	7.81	75	11425	4.583	ug/l #	50
38) Carbon Tetrachloride	7.81	117	13265	6.229	ug/l #	17
39) Methylcyclohexane	9.19	83	3639	1.101	ug/l	89
76) 1,2,3-Trichloropropane	12.49	75	55331	43.520	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	55331	87.908	ug/l #	17

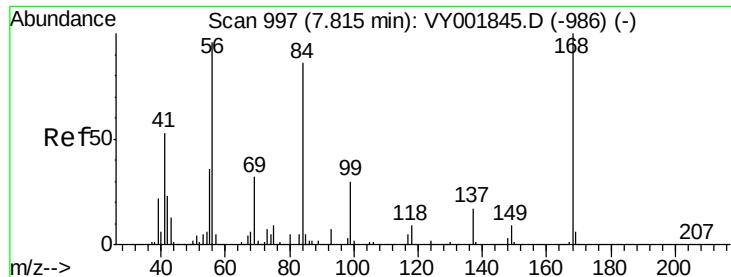
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001943.D

Acq: 11 Mar 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

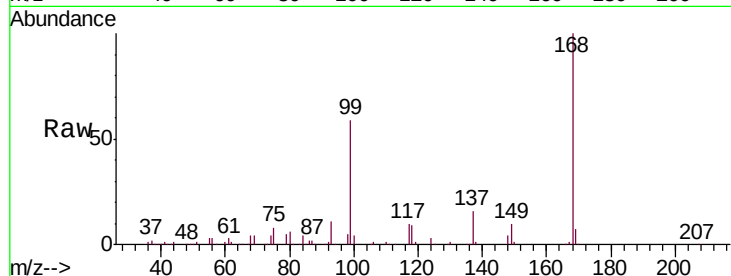
TP-2(8-9)

Tgt Ion:168 Resp: 134030

Ion Ratio Lower Upper

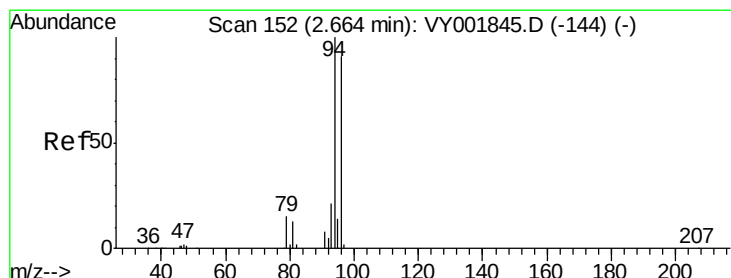
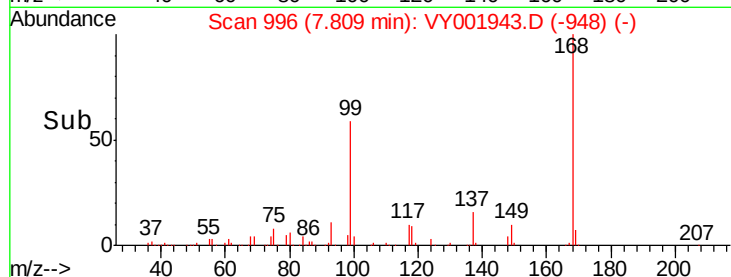
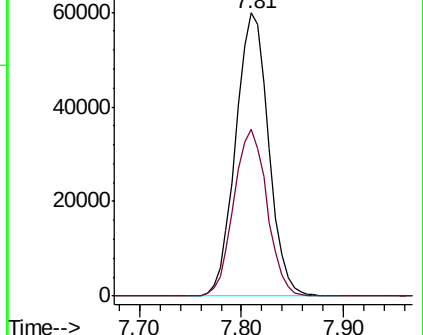
168 100

99 58.9 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: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001943.D

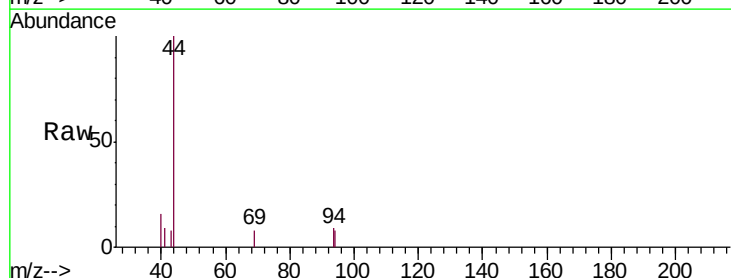
Acq: 11 Mar 2020 15:16

Tgt Ion: 94 Resp: 77

Ion Ratio Lower Upper

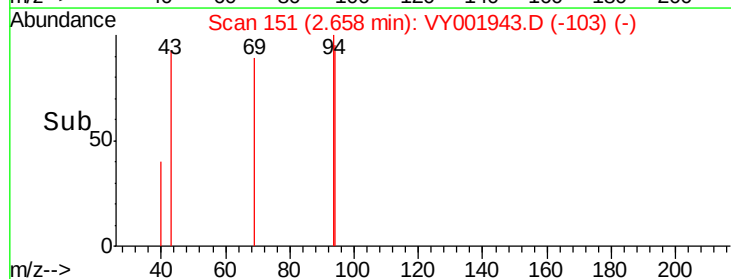
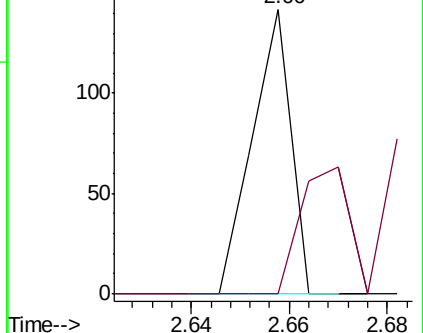
94 100

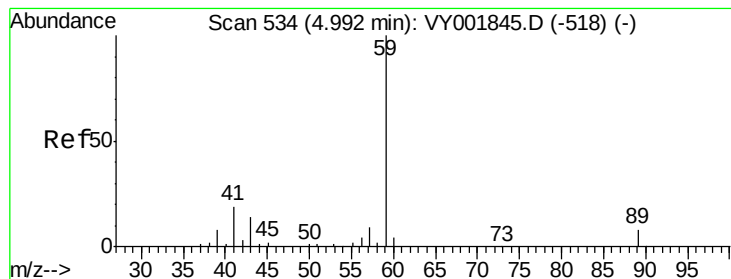
96 0.0 73.2 109.8#



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

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



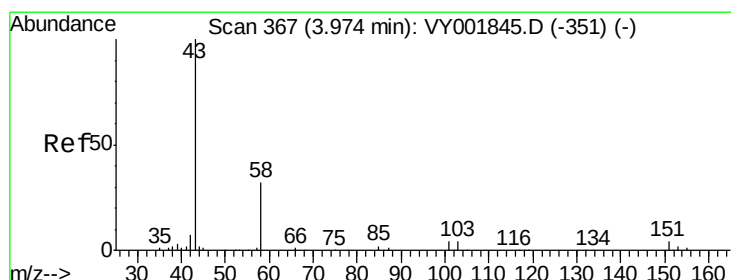
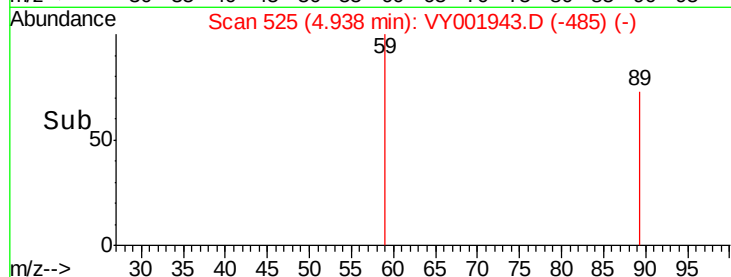
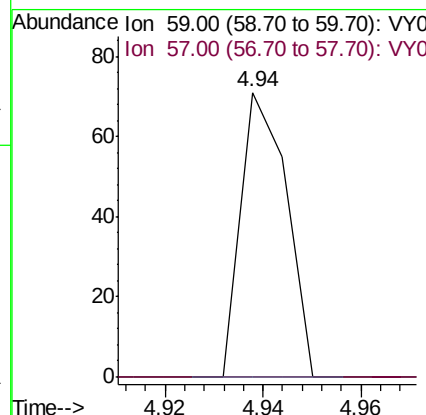
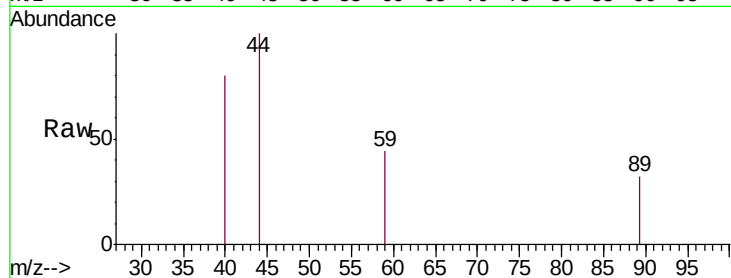


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.94 min Scan# 525
 Delta R.T. -0.05 min
 Lab File: VY001943.D
 Acq: 11 Mar 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2(8-9)

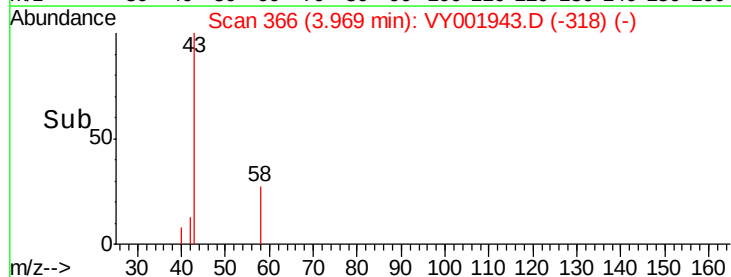
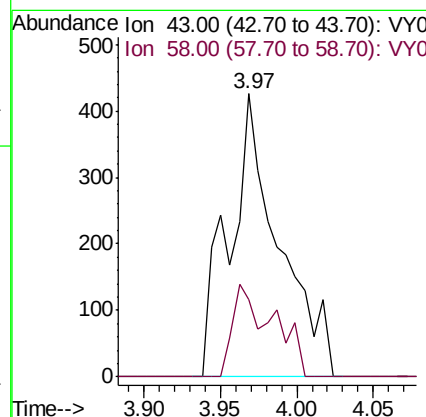
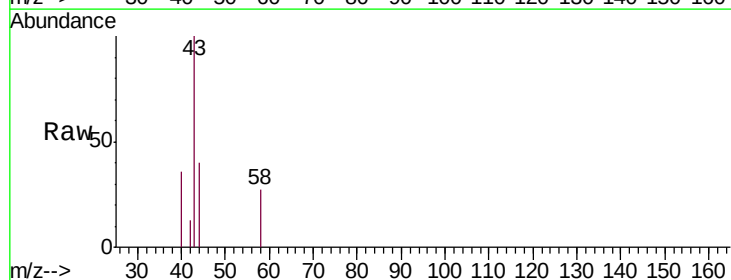
Tgt Ion: 59 Resp: 46
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

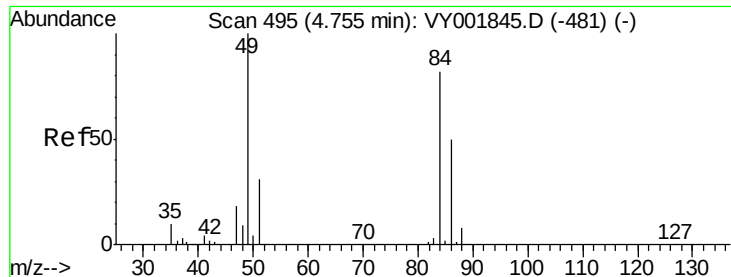


#16

Acetone
 Concen: 2.323 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VY001943.D
 Acq: 11 Mar 2020 15:16

Tgt Ion: 43 Resp: 968
 Ion Ratio Lower Upper
 43 100
 58 27.5 25.9 38.9

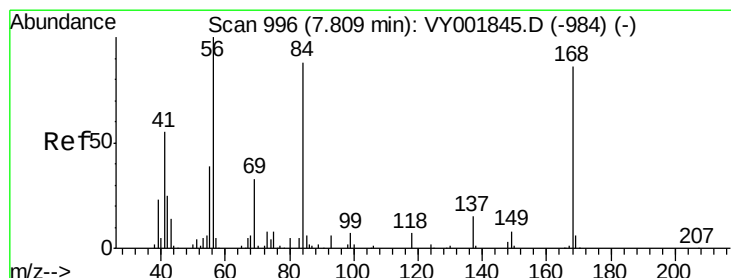
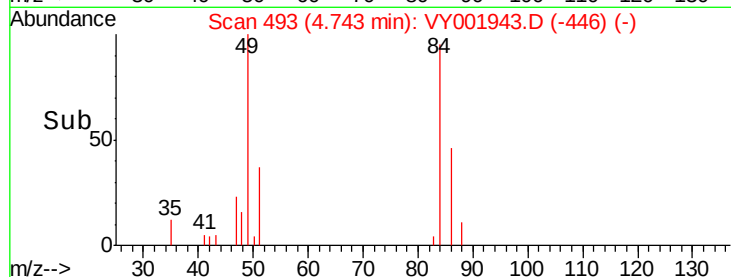
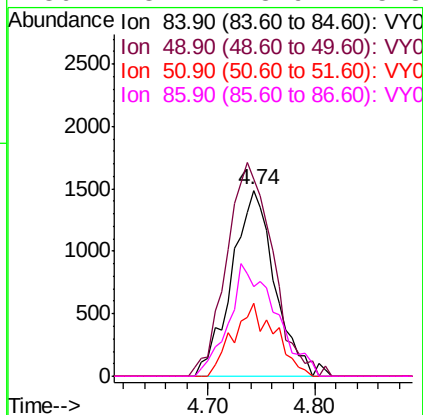
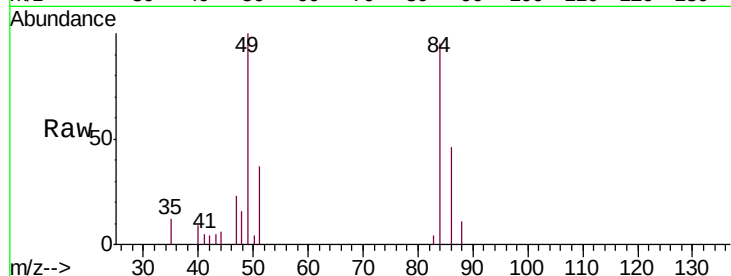




#20
Methylene Chloride
Concen: 2.376 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001943.D
Acq: 11 Mar 2020 15:16

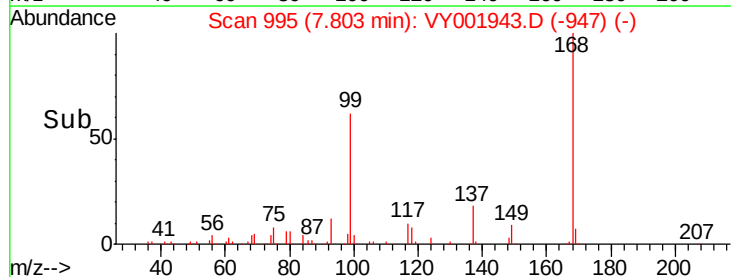
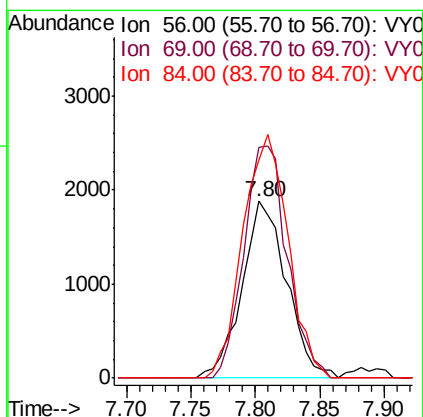
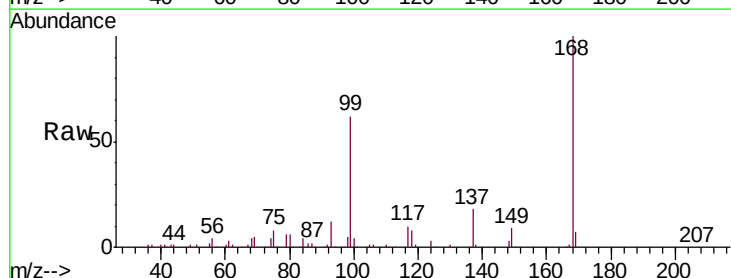
Instrument :
MSVOA_Y
ClientSampled :
TP-2(8-9)

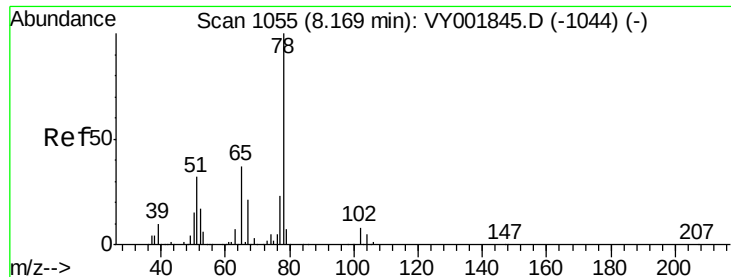
Tgt Ion: 84 Resp: 4243
Ion Ratio Lower Upper
84 100
49 105.8 98.2 147.2
51 39.0 30.2 45.2
86 48.4 48.9 73.3#



#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001943.D
Acq: 11 Mar 2020 15:16

Tgt Ion: 56 Resp: 4512
Ion Ratio Lower Upper
56 100
69 130.2 26.7 40.1#
84 123.2 70.4 105.6#

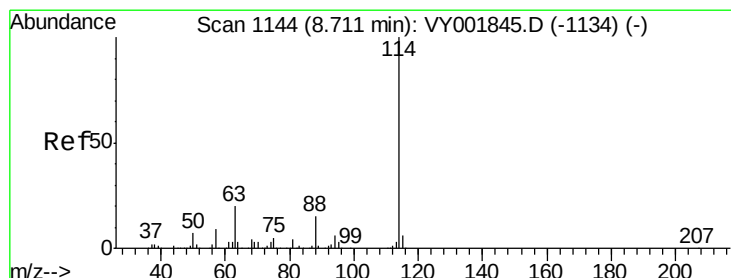
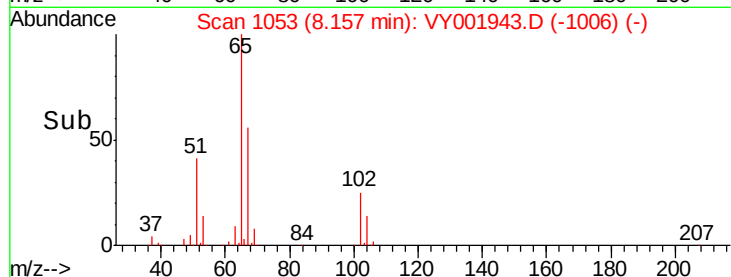
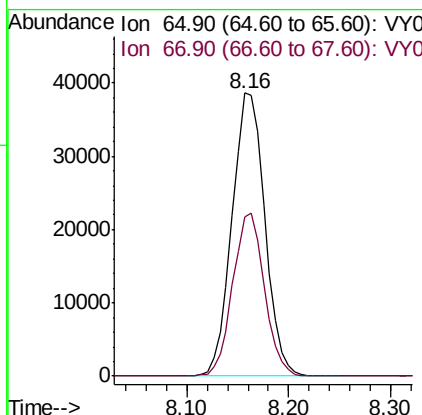
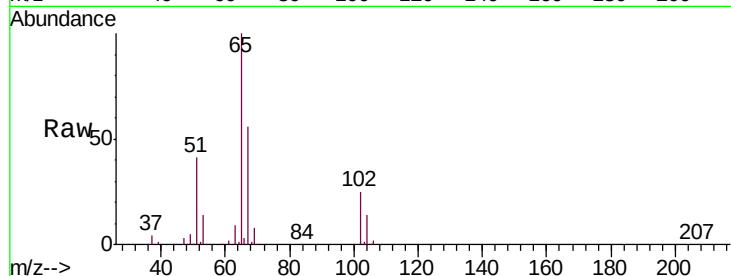




#33
 1,2-Dichloroethane-d4
 Concen: 60.130 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001943.D
 Acq: 11 Mar 2020 15:16

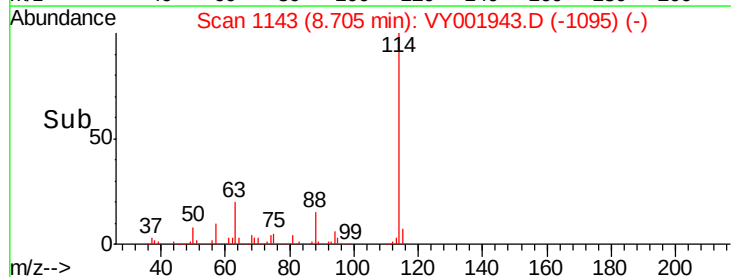
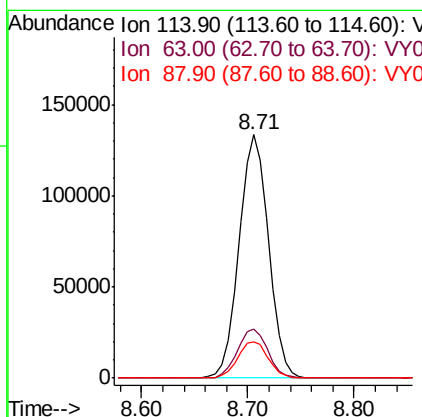
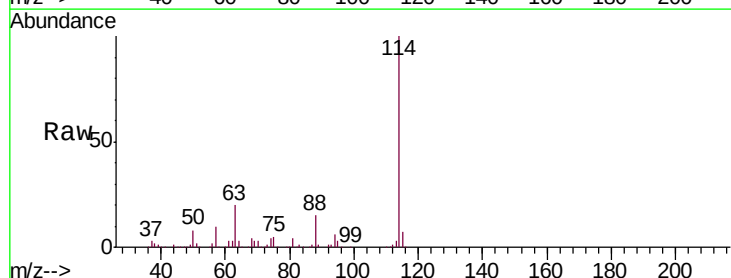
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2(8-9)

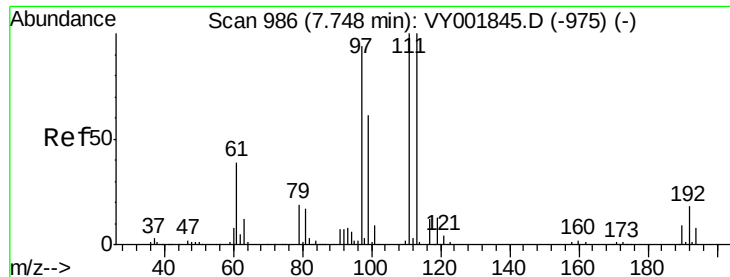
Tgt Ion: 65 Resp: 86037
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001943.D
 Acq: 11 Mar 2020 15:16

Tgt Ion: 114 Resp: 259067
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.1 0.0 30.4

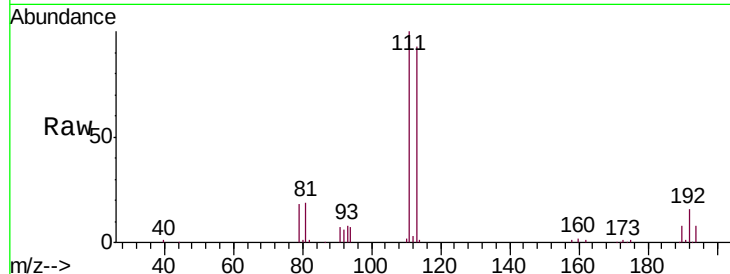




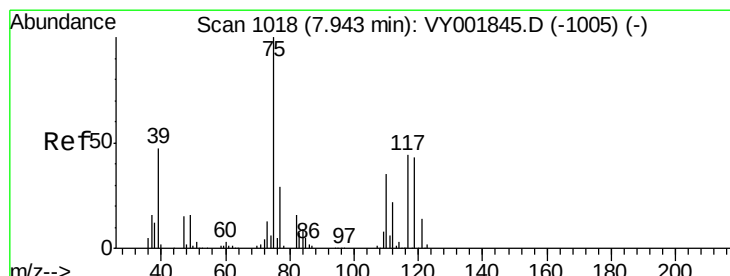
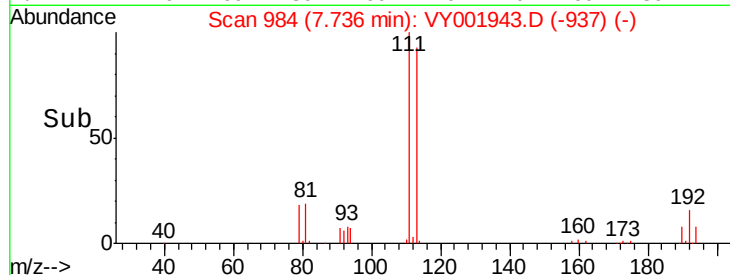
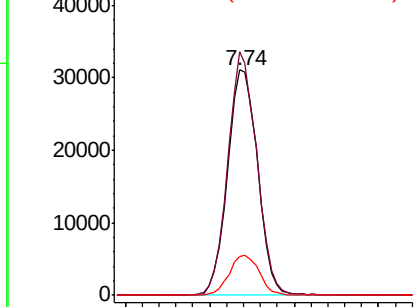
#35
 Dibromofluoromethane
 Concen: 53.108 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001943.D
 Acq: 11 Mar 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2(8-9)

Tgt Ion:113 Resp: 75128
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.8 122.8
 192 17.8 14.2 21.2

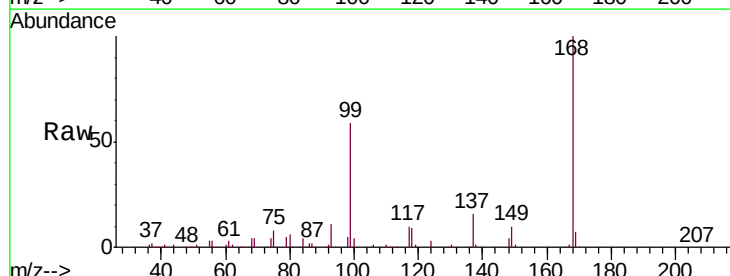


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

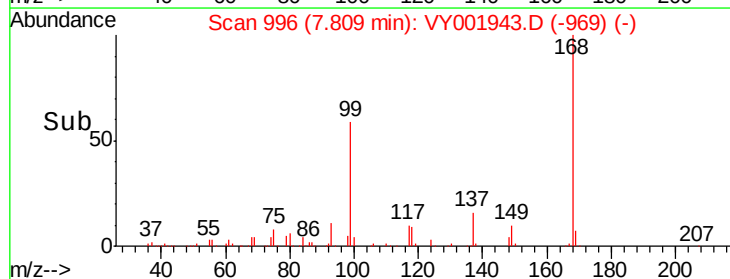
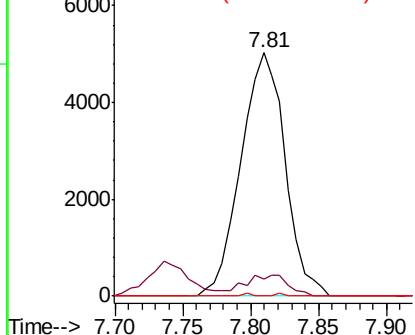


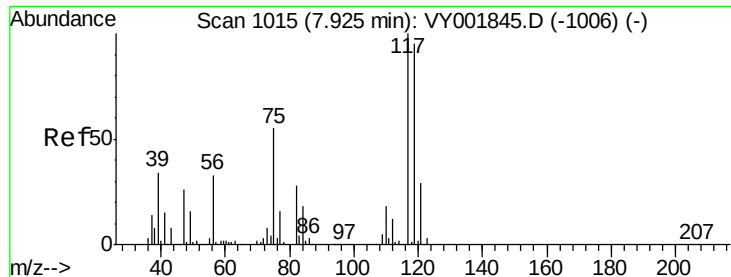
#36
 1,1-Dichloropropene
 Concen: 4.583 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001943.D
 Acq: 11 Mar 2020 15:16

Tgt Ion: 75 Resp: 11425
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.4 52.2#
 77 0.2 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

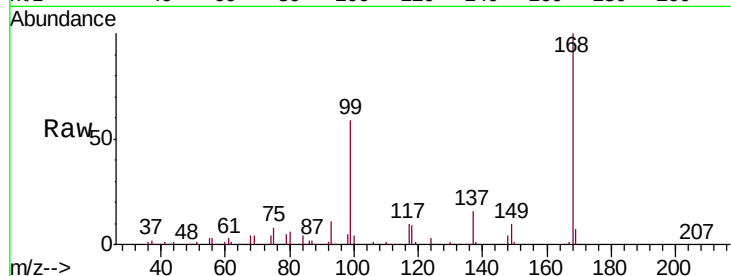




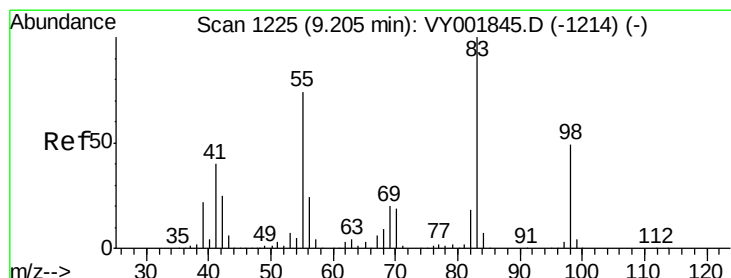
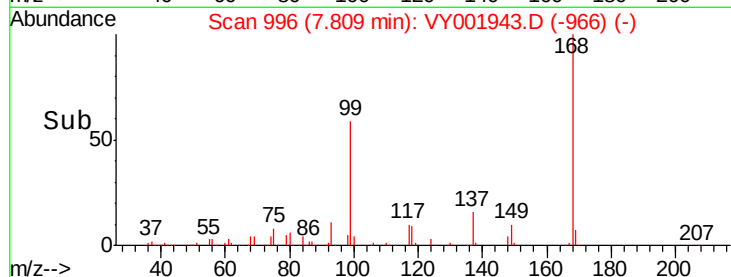
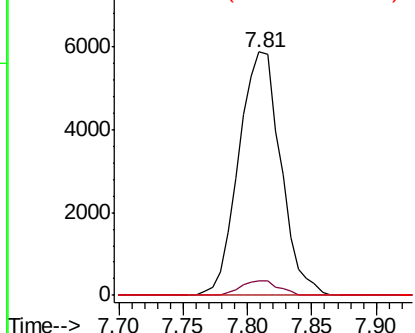
#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001943.D
Acq: 11 Mar 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
TP-2(8-9)

Tgt Ion: 117 Resp: 13265
Ion Ratio Lower Upper
117 100
119 5.8 76.3 114.5#
121 0.0 23.5 35.3#

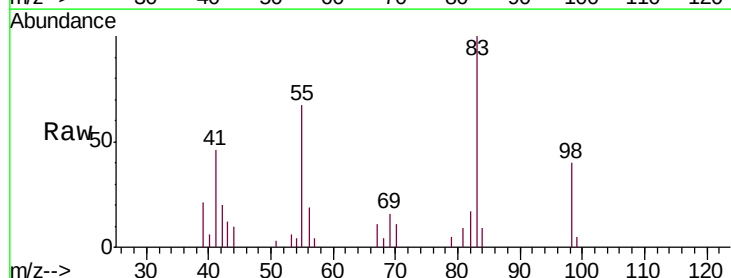


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

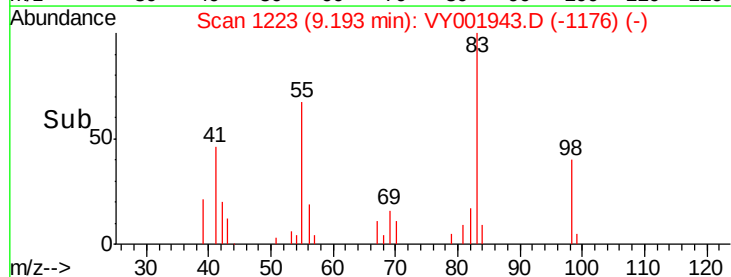
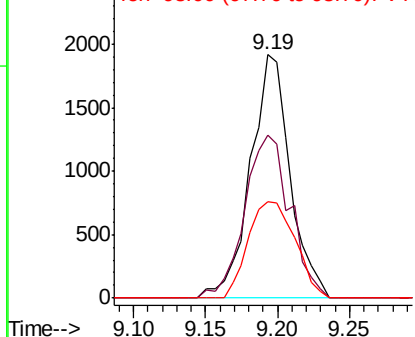


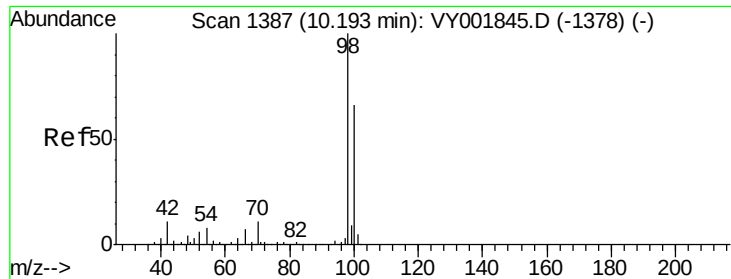
#39
Methylcyclohexane
Concen: 1.101 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001943.D
Acq: 11 Mar 2020 15:16

Tgt Ion: 83 Resp: 3639
Ion Ratio Lower Upper
83 100
55 66.8 59.4 89.0
98 39.6 38.9 58.3



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: 53.030 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001943.D

Acq: 11 Mar 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

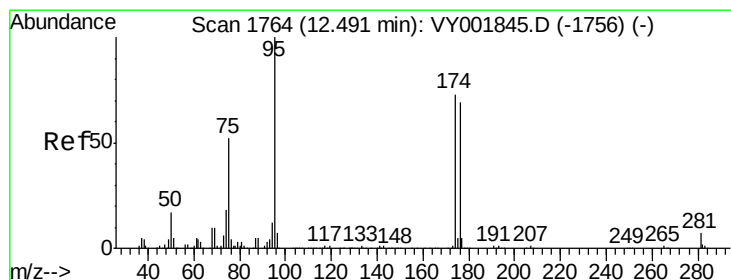
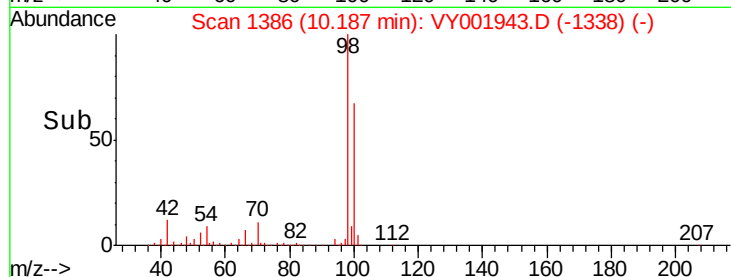
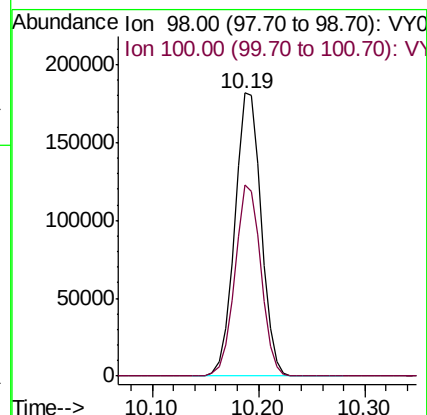
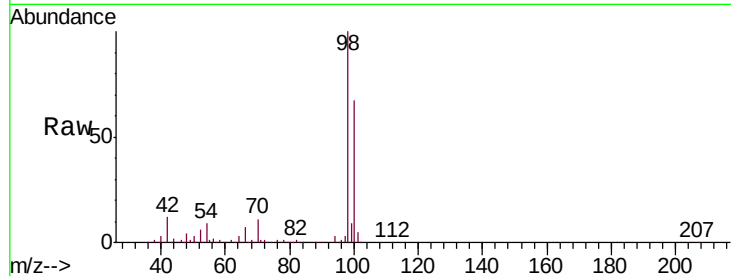
TP-2(8-9)

Tgt Ion: 98 Resp: 316333

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 52.413 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001943.D

Acq: 11 Mar 2020 15:16

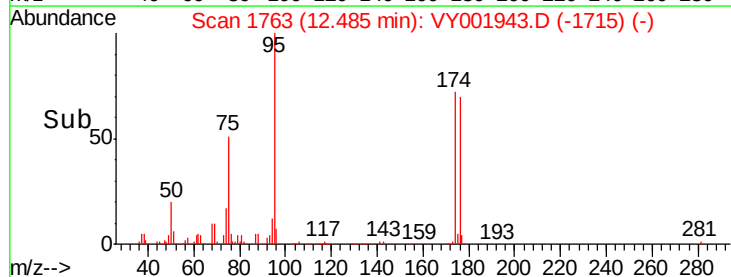
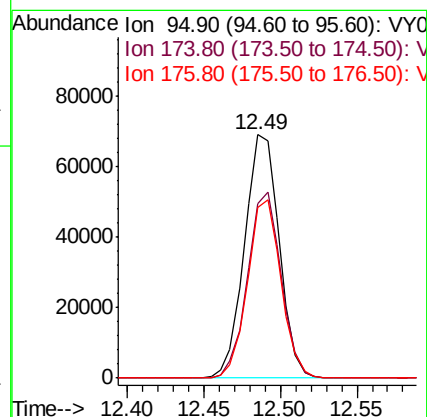
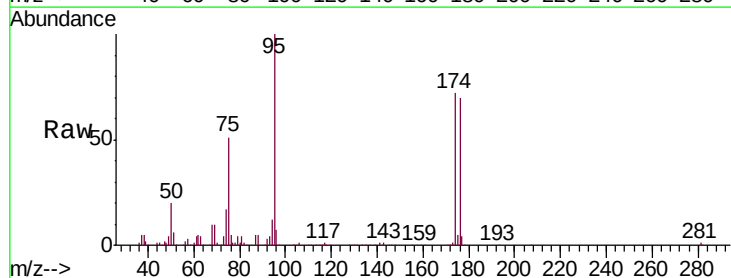
Tgt Ion: 95 Resp: 108715

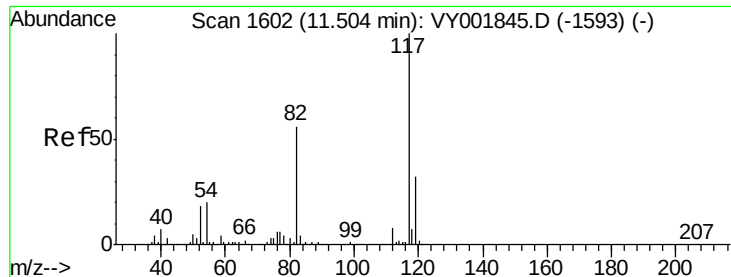
Ion Ratio Lower Upper

95 100

174 74.0 0.0 145.0

176 70.7 0.0 137.4

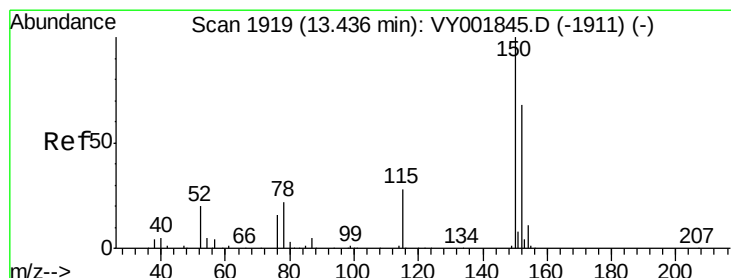
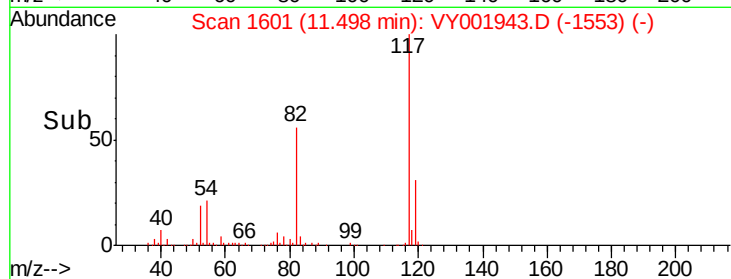
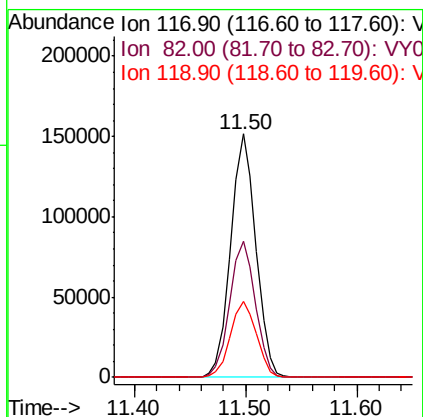
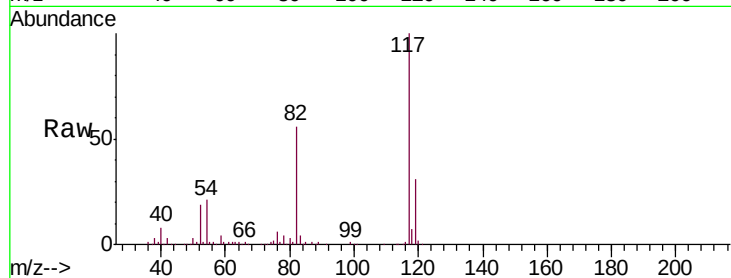




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001943.D
Acq: 11 Mar 2020 15:16

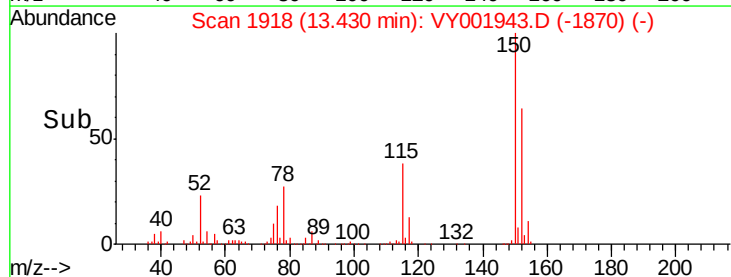
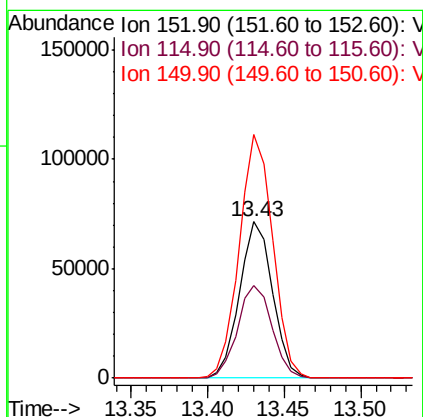
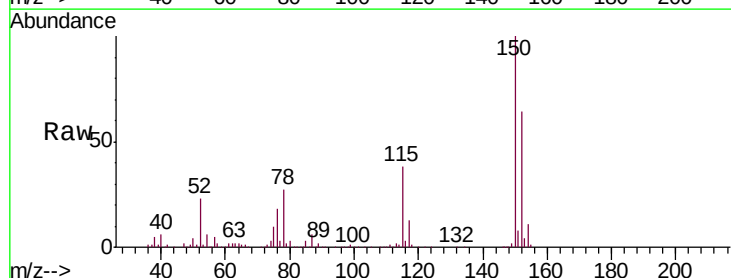
Instrument :
MSVOA_Y
ClientSampleId :
TP-2(8-9)

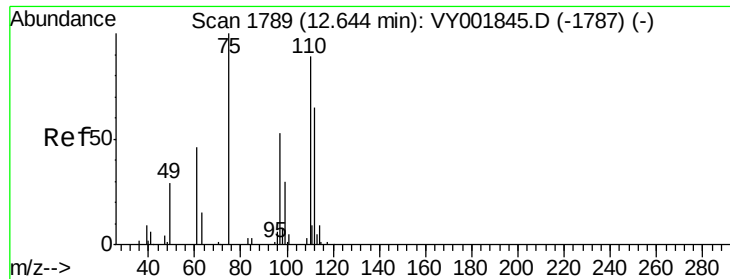
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.5	66.7
119	31.1	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001943.D
Acq: 11 Mar 2020 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	29.9	89.7
150	157.5	0.0	340.6





#76

1,2,3-Trichloropropane

Concen: 43.520 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001943.D

Acq: 11 Mar 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

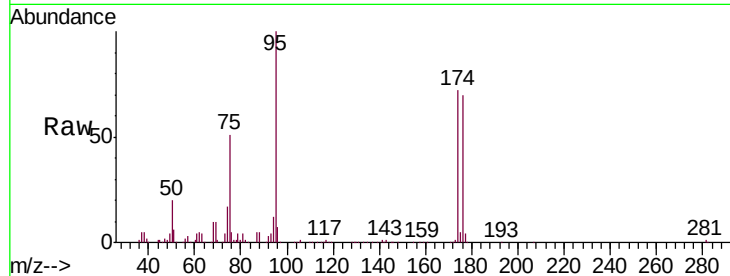
TP-2(8-9)

Tgt Ion: 75 Resp: 55331

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

12.49

40000

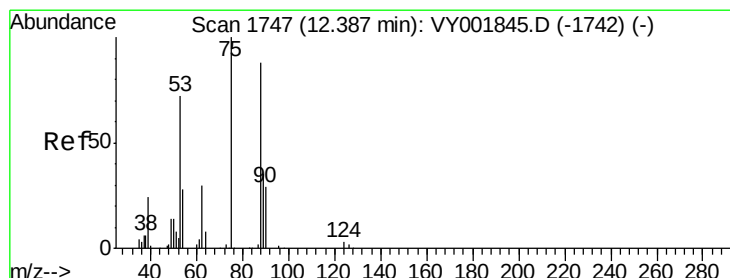
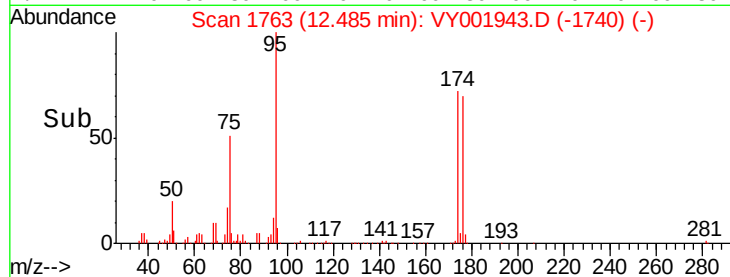
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 87.908 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001943.D

Acq: 11 Mar 2020 15:16

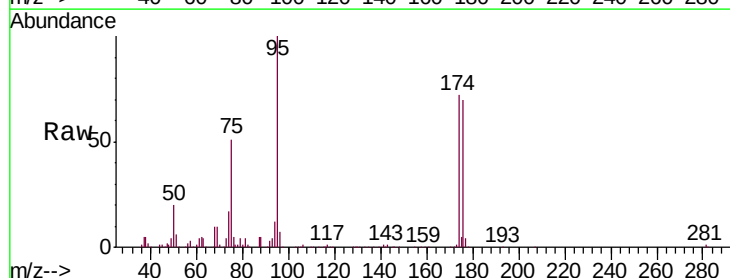
Tgt Ion: 75 Resp: 55331

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#



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

12.49

40000

30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55

