

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001953.D
 Acq On : 12 Mar 2020 10:46
 Operator : SY/MD
 Sample : VY0312SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBL01

Quant Time: Mar 13 05:40:14 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	173562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	329425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	298227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	128900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	102253	55.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.38%	
35) Dibromofluoromethane	7.74	113	97141	54.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.19	98	394593	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.49	95	137299	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

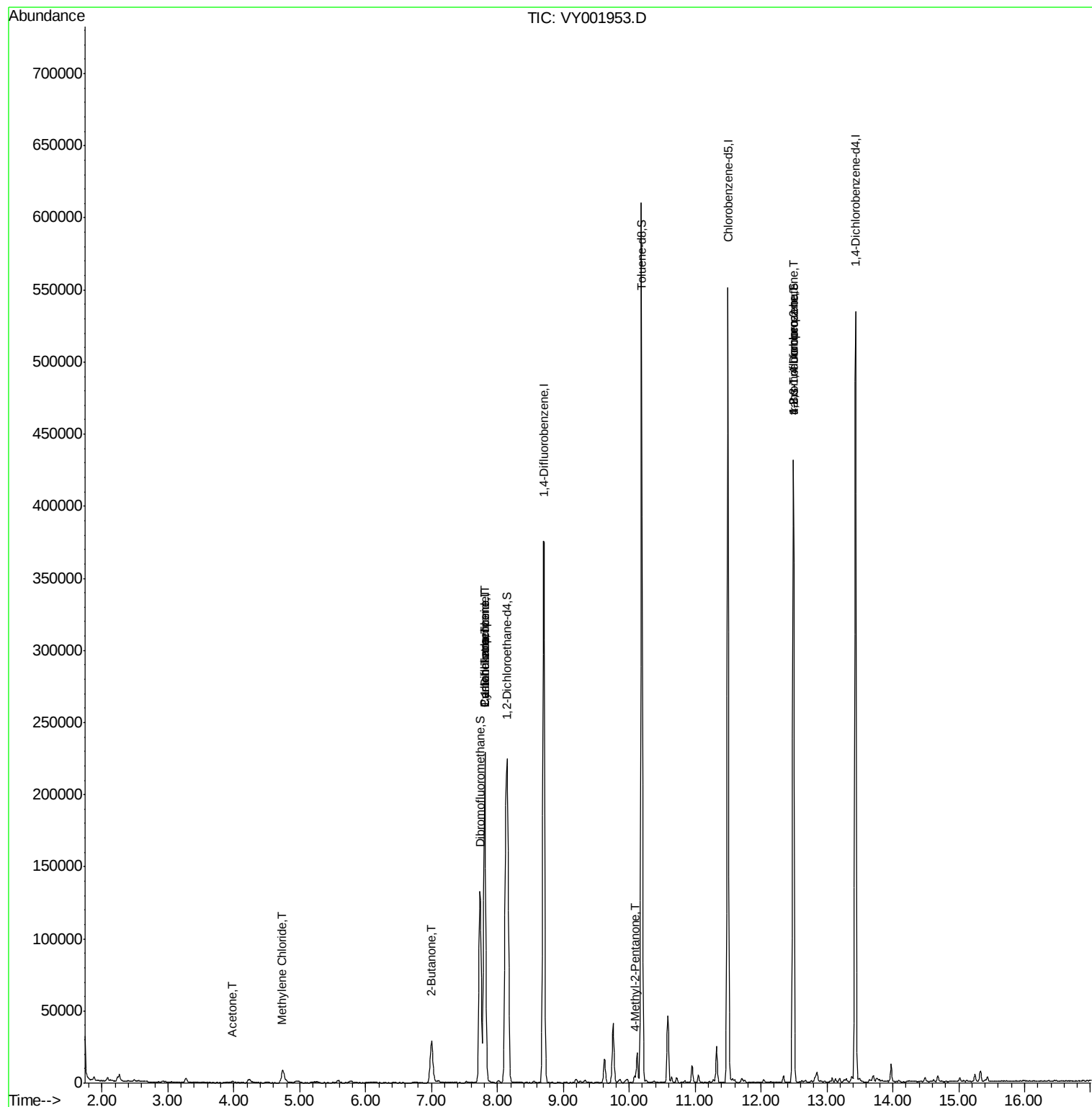
Target Compounds						Qvalue
5) Bromomethane	2.68	94	106	Below Cal		97
11) Tert butyl alcohol	4.97	59	1976	Below Cal	#	81
16) Acetone	3.99	43	1742	3.23	ug/l #	83
20) Methylene Chloride	4.74	84	6793	2.94	ug/l	92
25) 2-Butanone	7.00	43	1990	2.42	ug/l #	86
31) Cyclohexane	7.81	56	4375	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	14474	4.57	ug/l #	50
38) Carbon Tetrachloride	7.80	117	17705	6.54	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3296	1.83	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.80	63	157	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.49	75	69227	45.26	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	69227	91.43	ug/l #	17

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

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Acq On : 12 Mar 2020 10:46
Operator : SY/MD
Sample : VY0312SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

Quant Time: Mar 13 05:40:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

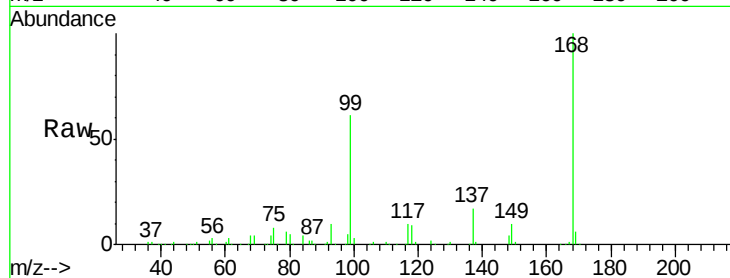
VY0312SBL01

Tgt Ion:168 Resp: 173562

Ion Ratio Lower Upper

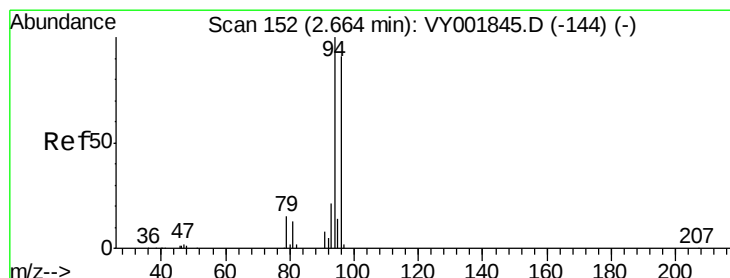
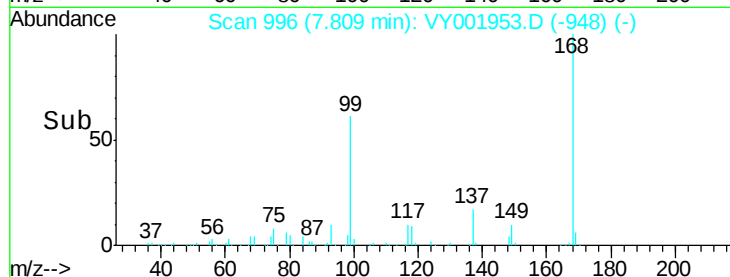
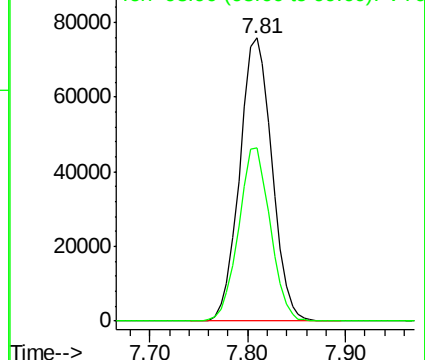
168 100

99 61.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001953.D

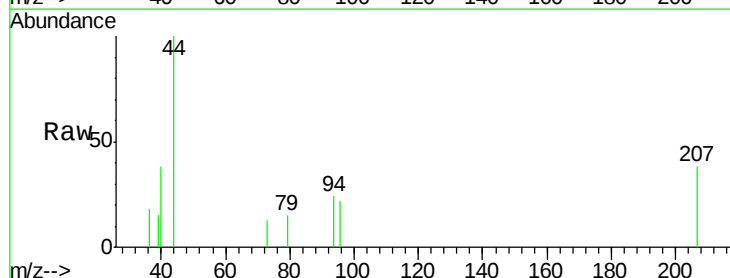
Acq: 12 Mar 2020 10:46

Tgt Ion: 94 Resp: 106

Ion Ratio Lower Upper

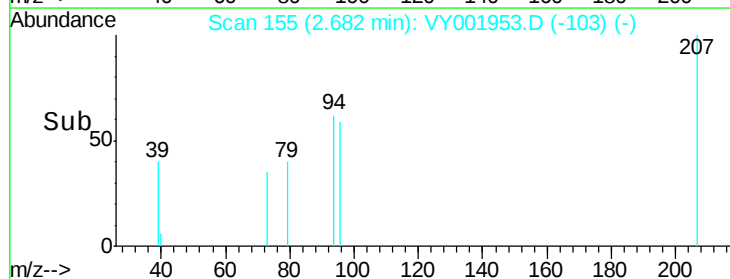
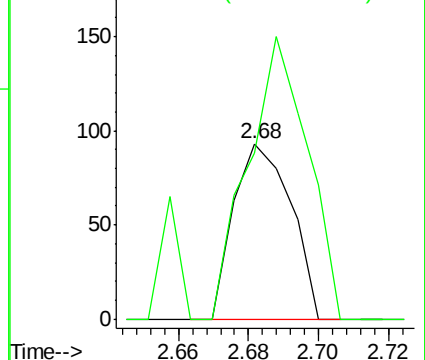
94 100

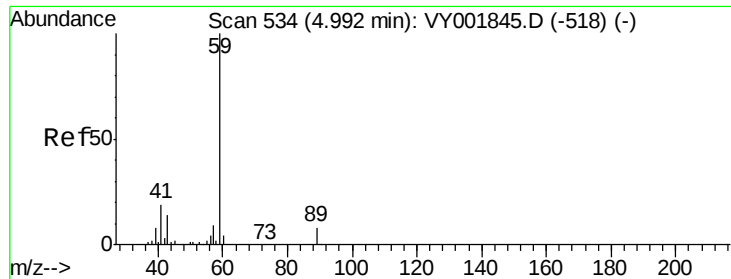
96 94.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



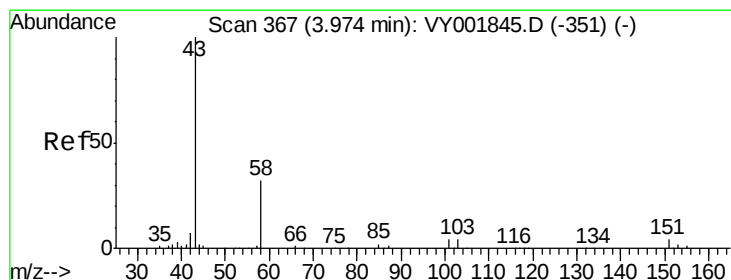
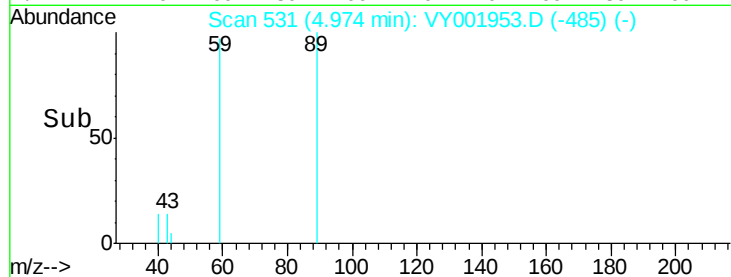
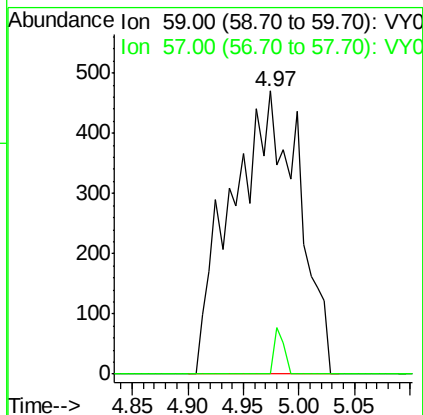
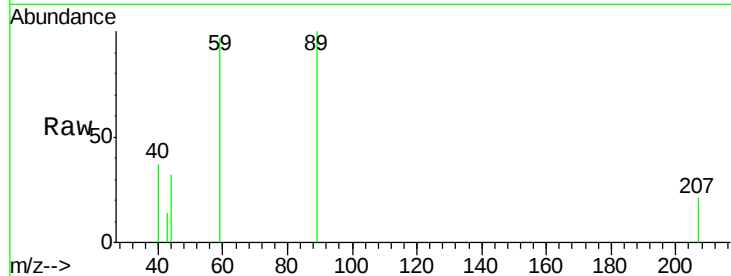


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001953.D
 Acq: 12 Mar 2020 10:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBL01

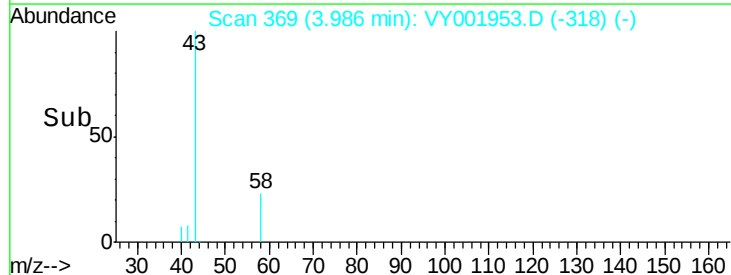
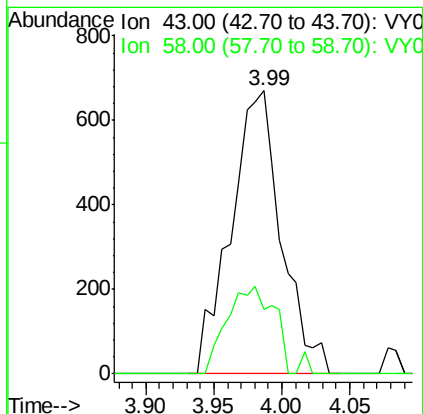
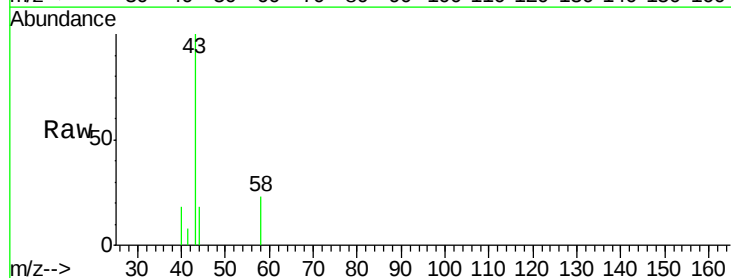
Tgt Ion: 59 Resp: 1976
 Ion Ratio Lower Upper
 59 100
 57 2.4 7.4 11.2#

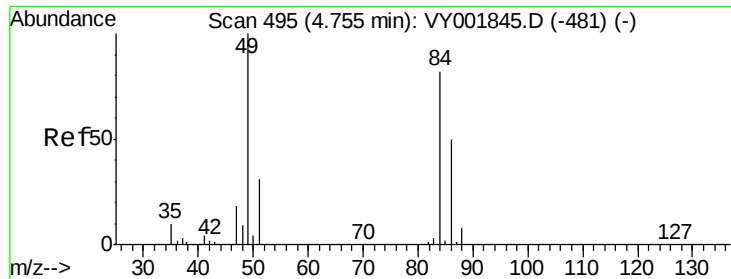


#16

Acetone
 Concen: 3.23 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VY001953.D
 Acq: 12 Mar 2020 10:46

Tgt Ion: 43 Resp: 1742
 Ion Ratio Lower Upper
 43 100
 58 22.8 25.9 38.9#

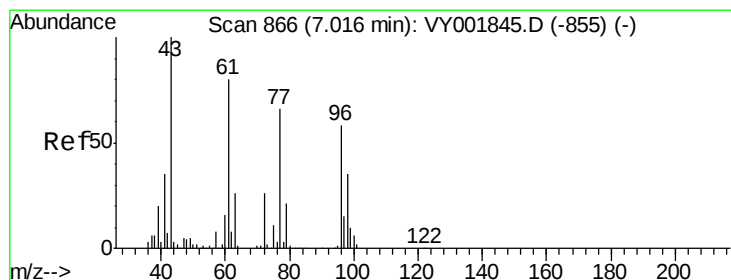
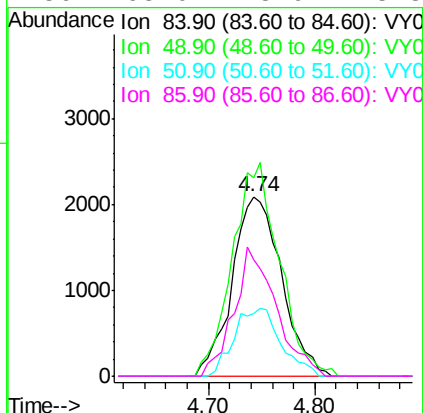
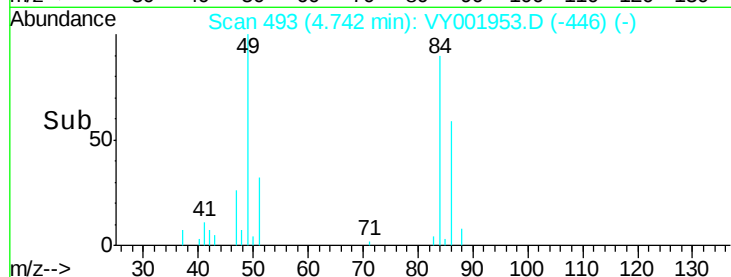
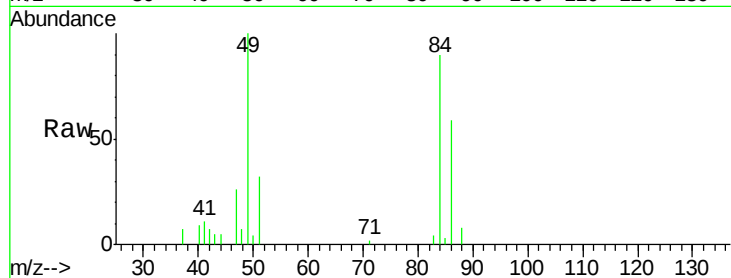




#20
Methylene Chloride
Concen: 2.94 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001953.D
Acq: 12 Mar 2020 10:46

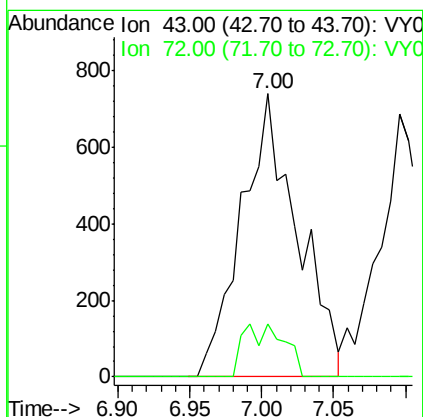
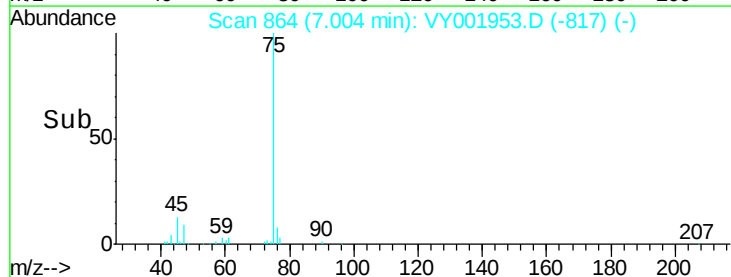
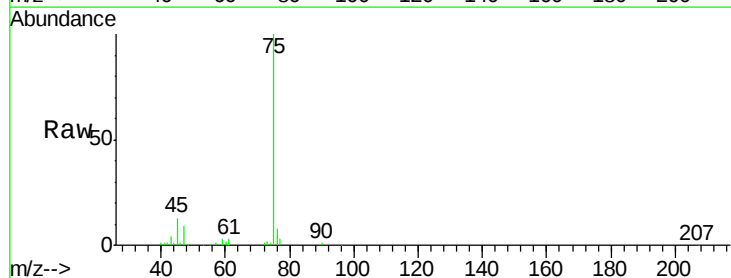
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

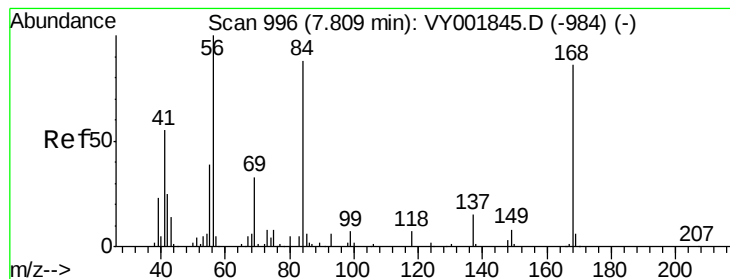
Tgt Ion:	84	Resp:	6793
Ion	Ratio	Lower	Upper
84	100		
49	110.9	98.2	147.2
51	35.1	30.2	45.2
86	65.0	48.9	73.3



#25
2-Butanone
Concen: 2.42 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001953.D
Acq: 12 Mar 2020 10:46

Tgt Ion:	43	Resp:	1990
Ion	Ratio	Lower	Upper
43	100		
72	18.8	20.9	31.3#





#31

Cyclohexane

Concen: 1.07 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL01

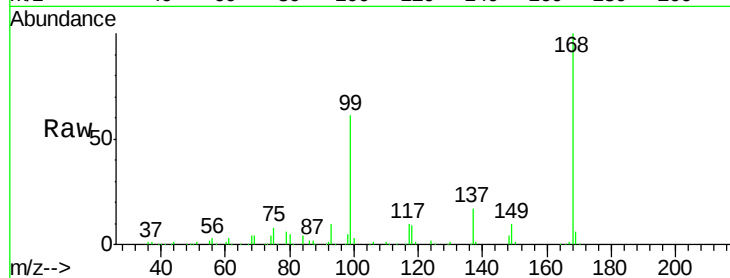
Tgt Ion: 56 Resp: 4375

Ion Ratio Lower Upper

56 100

69 166.9 26.7 40.1#

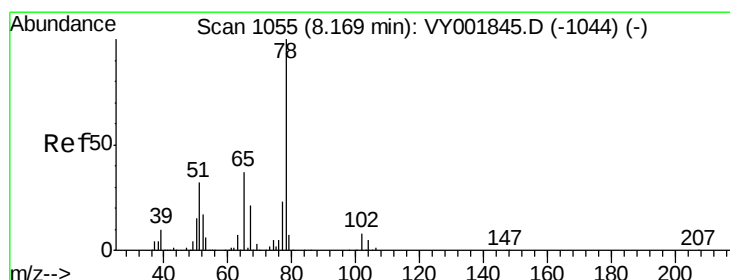
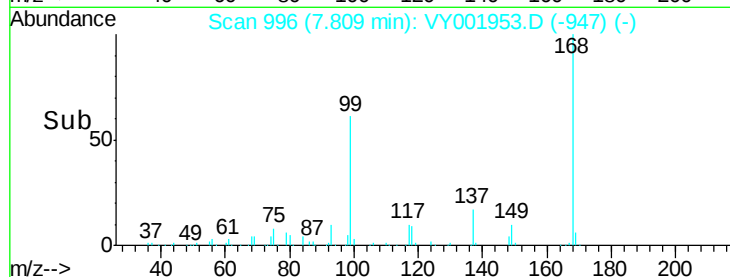
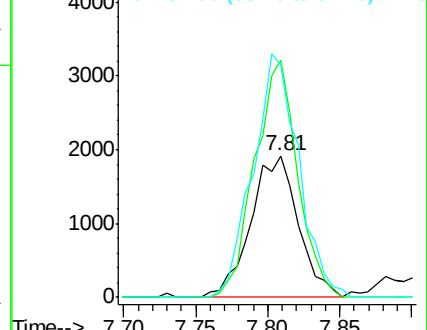
84 163.8 70.4 105.6#



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: 55.19 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001953.D

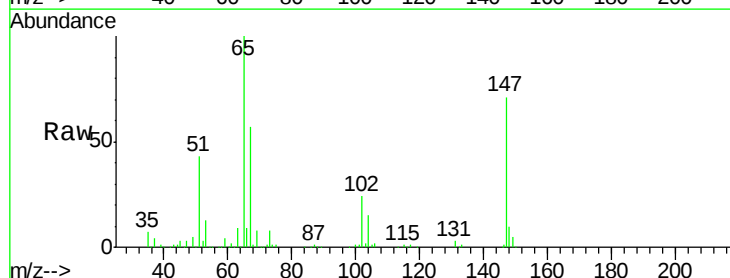
Acq: 12 Mar 2020 10:46

Tgt Ion: 65 Resp: 102253

Ion Ratio Lower Upper

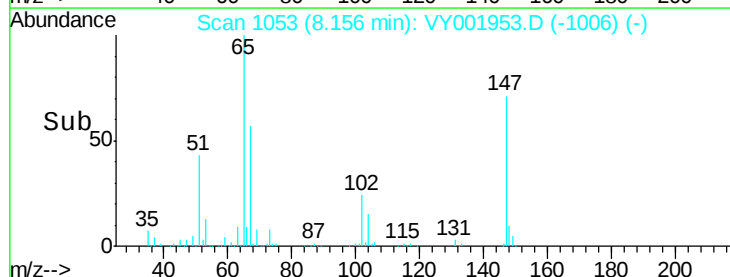
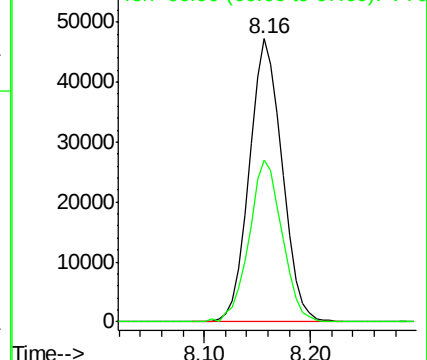
65 100

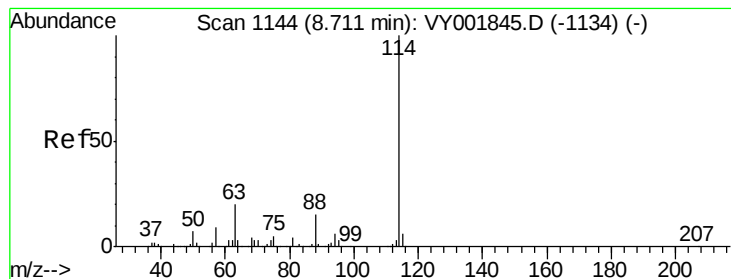
67 57.6 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL01

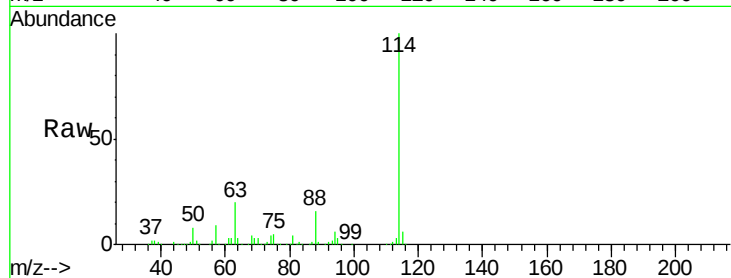
Tgt Ion:114 Resp: 329425

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

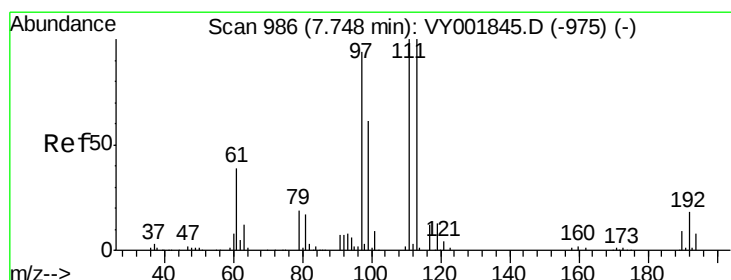
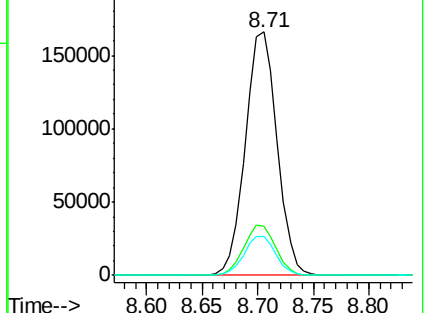
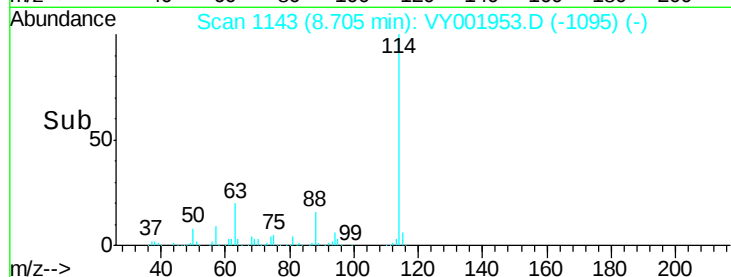
88 16.0 0.0 30.4



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: 54.00 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

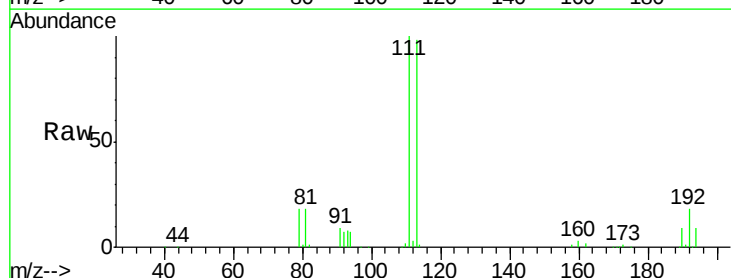
Tgt Ion:113 Resp: 97141

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

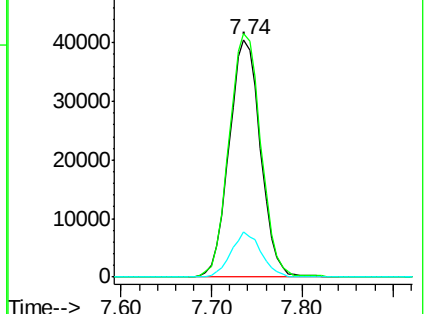
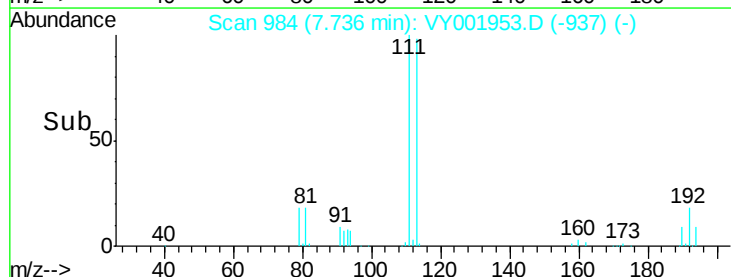
192 18.1 14.2 21.2

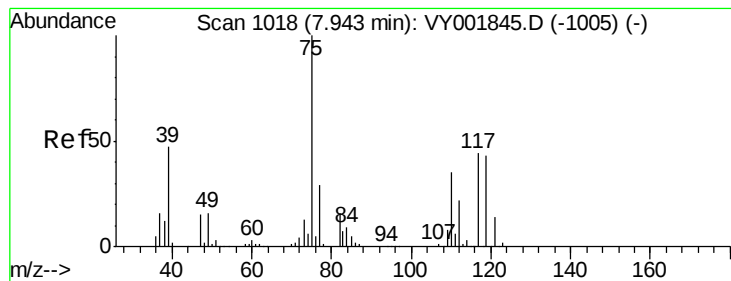


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.57 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL01

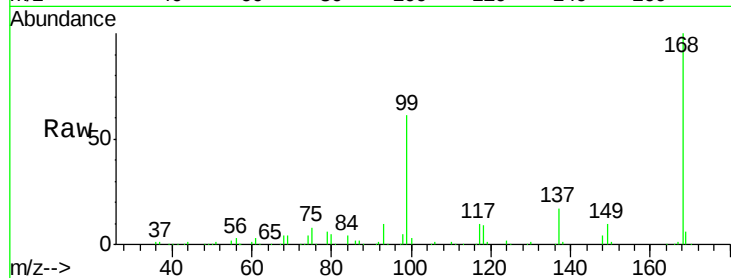
Tgt Ion: 75 Resp: 14474

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.2#

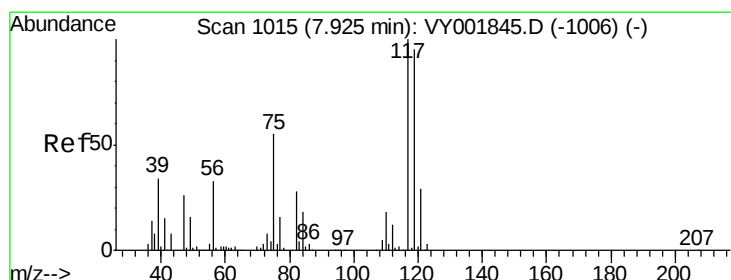
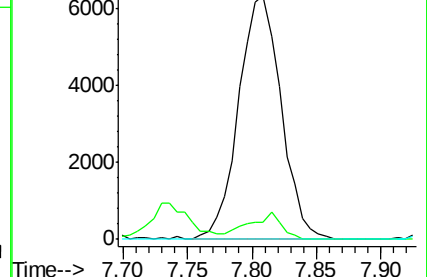
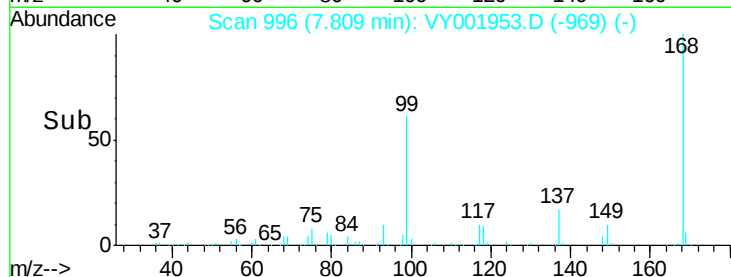
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#38

Carbon Tetrachloride

Concen: 6.54 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

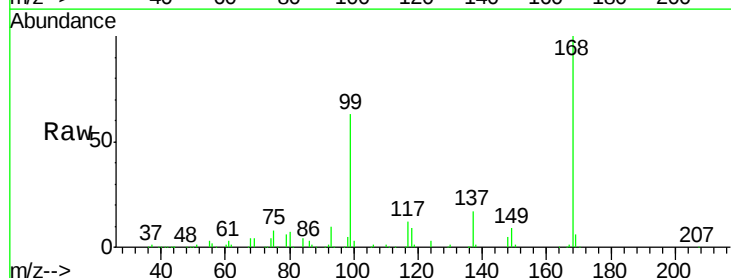
Tgt Ion: 117 Resp: 17705

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

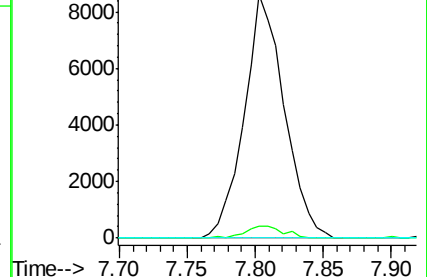
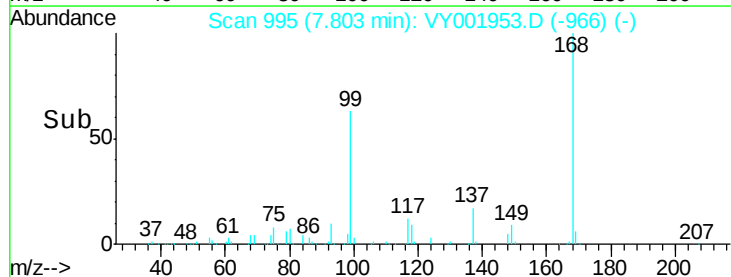
121 0.0 23.5 35.3#

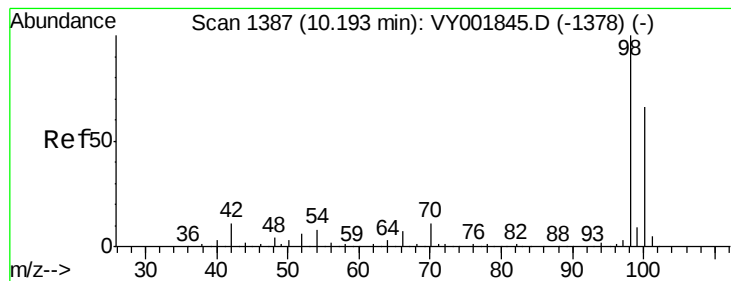


Abundance Ion 116.80 (116.50 to 117.50): VY0

Ion 118.80 (118.50 to 119.50): VY0

Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 52.02 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

Instrument :

MSVOA_Y

ClientSampled :

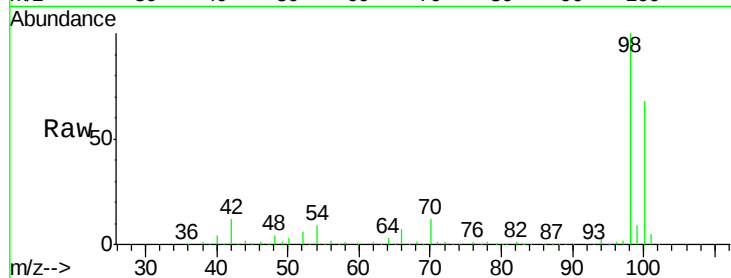
VY0312SBL01

Tgt Ion: 98 Resp: 394593

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

250000

200000

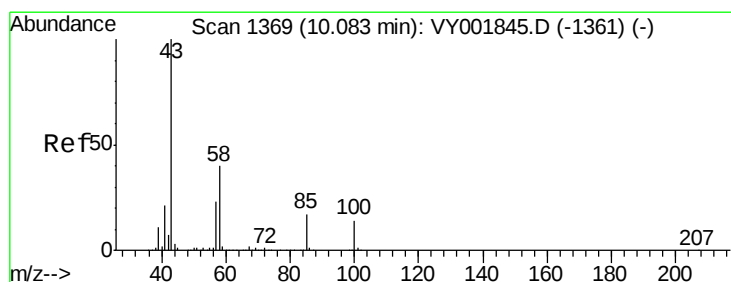
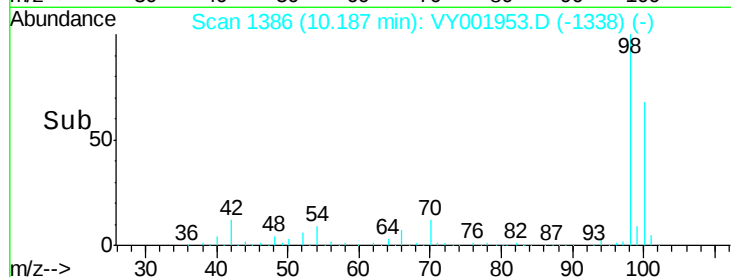
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.83 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001953.D

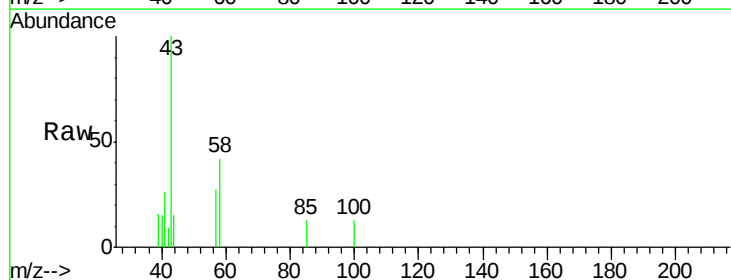
Acq: 12 Mar 2020 10:46

Tgt Ion: 43 Resp: 3296

Ion Ratio Lower Upper

43 100

58 43.7 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

2000

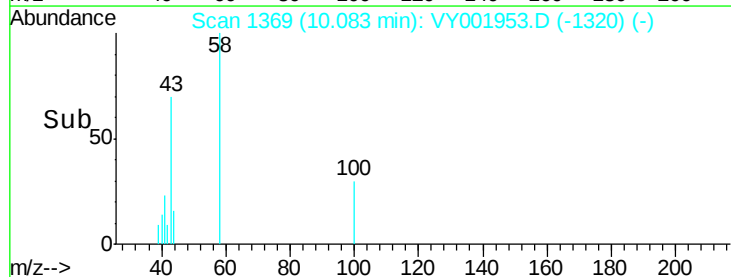
1500

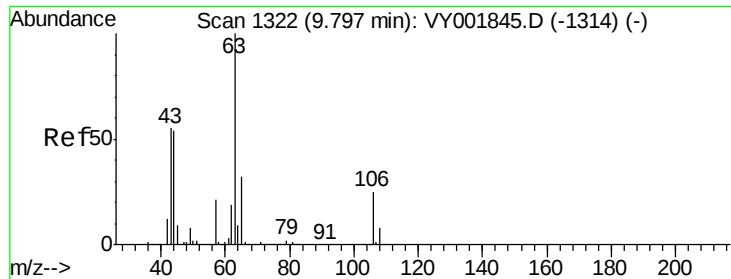
1000

500

0

Time-->

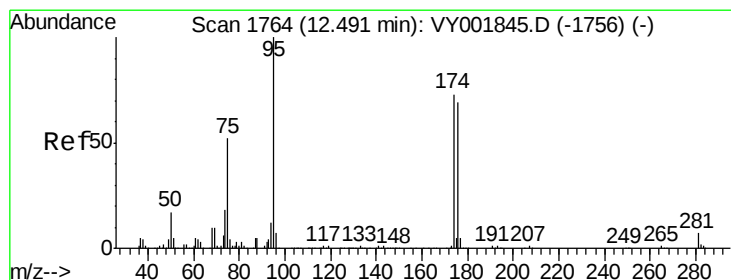
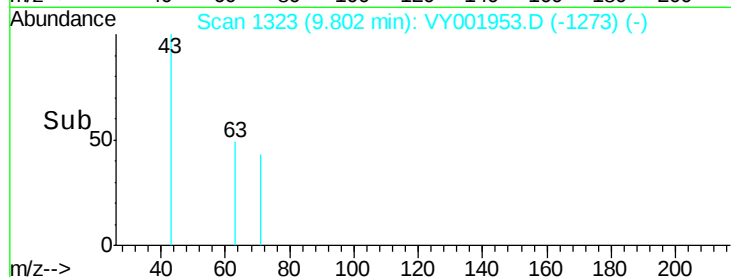
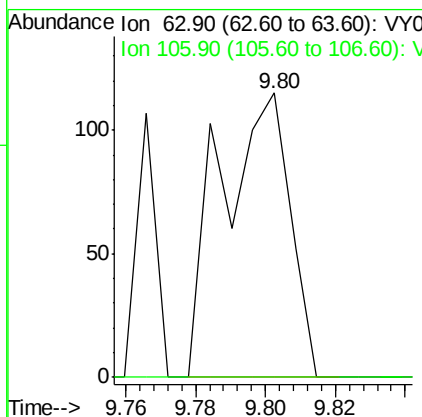
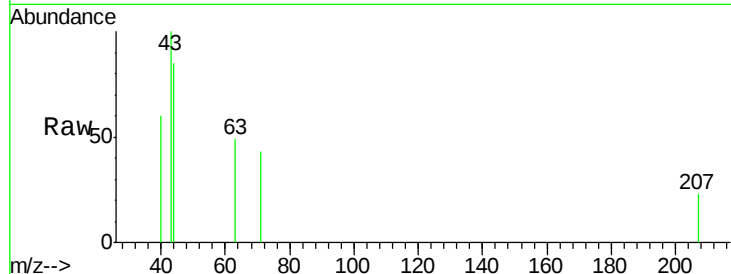




#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001953.D
 Acq: 12 Mar 2020 10:46

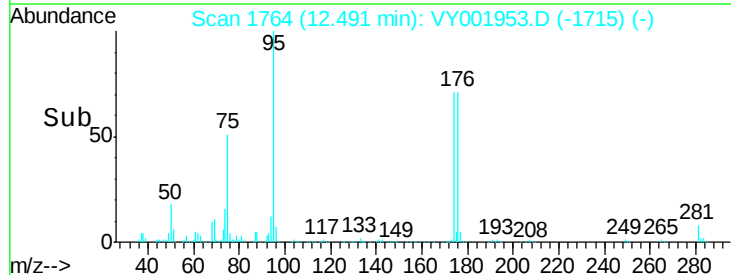
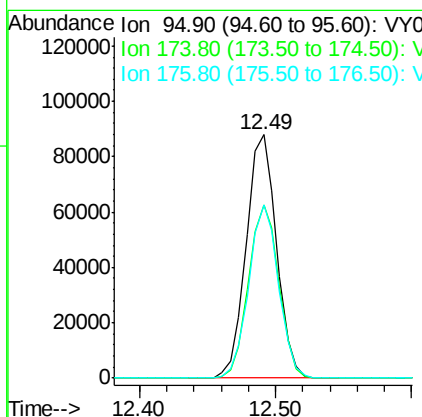
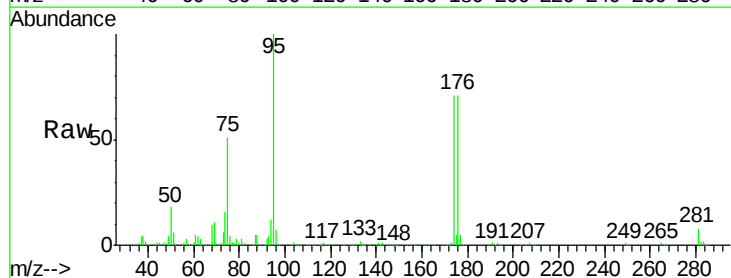
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBL01

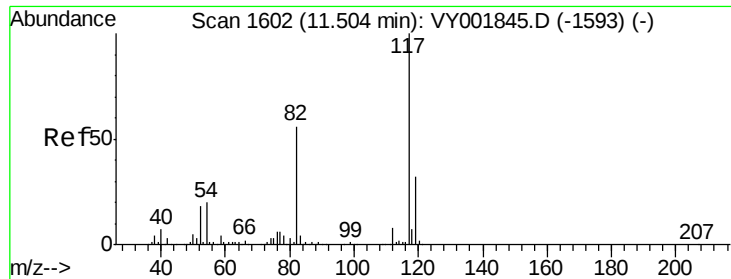
Tgt Ion: 63 Resp: 157
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 52.06 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY001953.D
 Acq: 12 Mar 2020 10:46

Tgt Ion: 95 Resp: 137299
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 145.0
 176 70.0 0.0 137.4

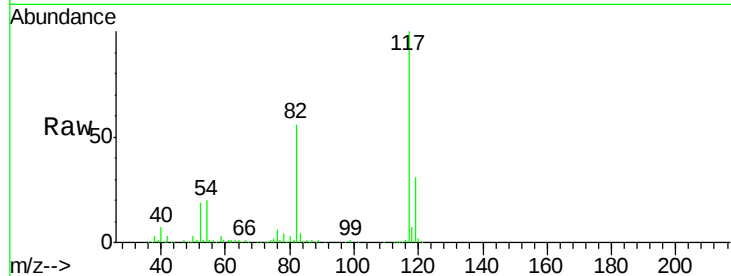




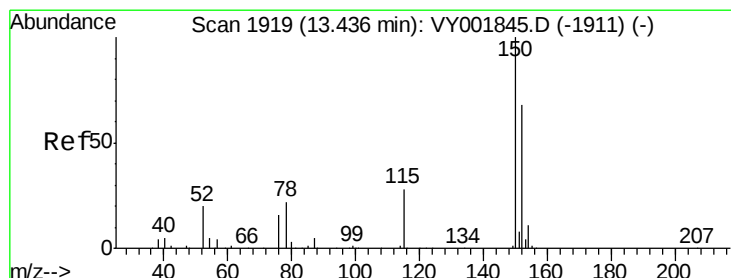
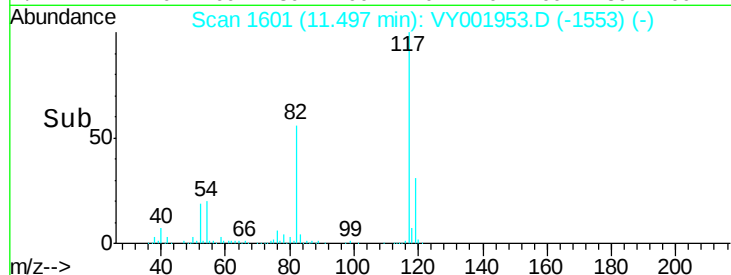
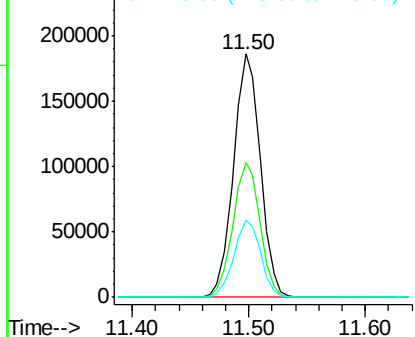
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001953.D
Acq: 12 Mar 2020 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

Tgt Ion:117 Resp: 298227
Ion Ratio Lower Upper
117 100
82 55.6 44.5 66.7
119 31.5 25.7 38.5

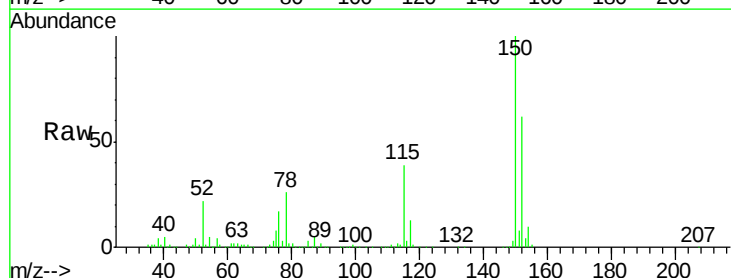


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

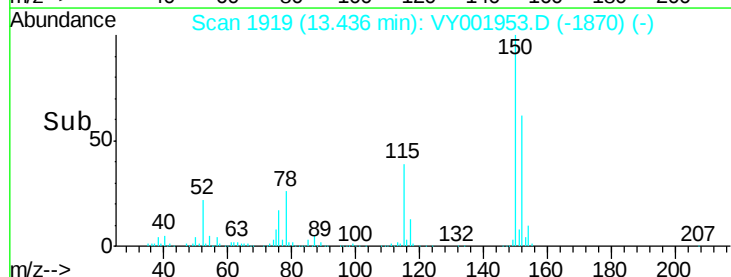
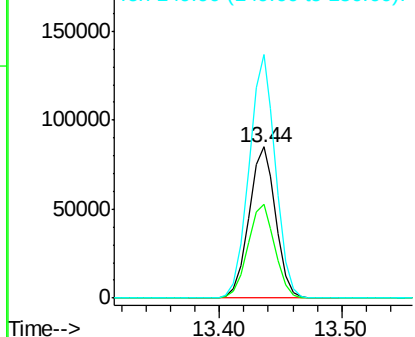


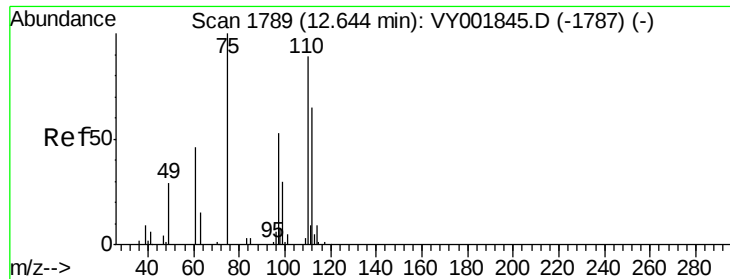
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001953.D
Acq: 12 Mar 2020 10:46

Tgt Ion:152 Resp: 128900
Ion Ratio Lower Upper
152 100
115 62.6 29.9 89.7
150 158.6 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: 45.26 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

Instrument :

MSVOA_Y

ClientSampleId :

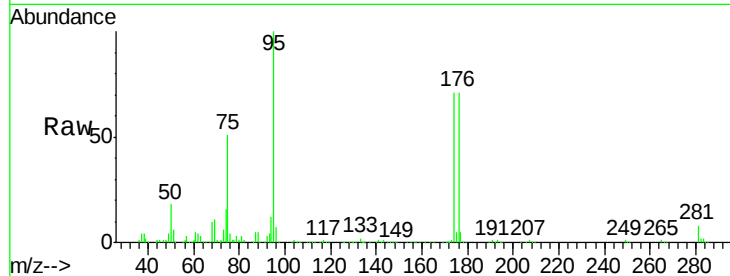
VY0312SBL01

Tgt Ion: 75 Resp: 69227

Ion Ratio Lower Upper

75 100

77 1.3 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

50000

40000

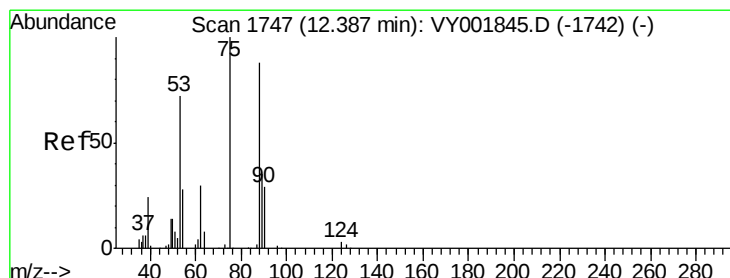
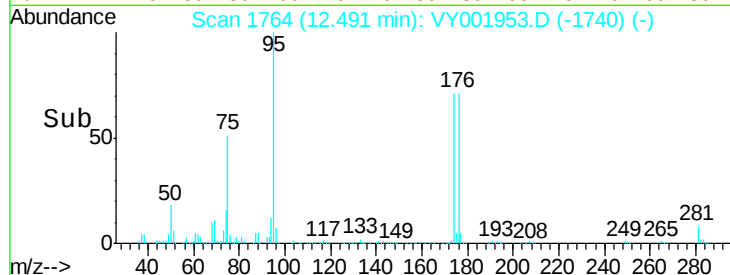
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 91.43 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001953.D

Acq: 12 Mar 2020 10:46

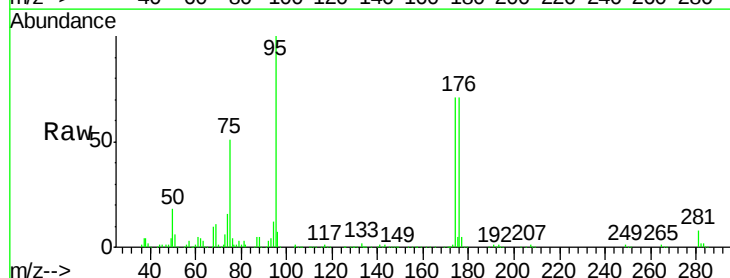
Tgt Ion: 75 Resp: 69227

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

60000

50000

40000

30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55

