

Data File : VY001972.D
Acq On : 16 Mar 2020 10:56
Operator : SY/MD
Sample : VY0316SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBL01

Quant Time: Mar 17 08:02:02 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	155166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	296995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	270925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	114880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	91336	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	7.75	113	86902	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
50) Toluene-d8	10.20	98	361299	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.50	95	122591	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

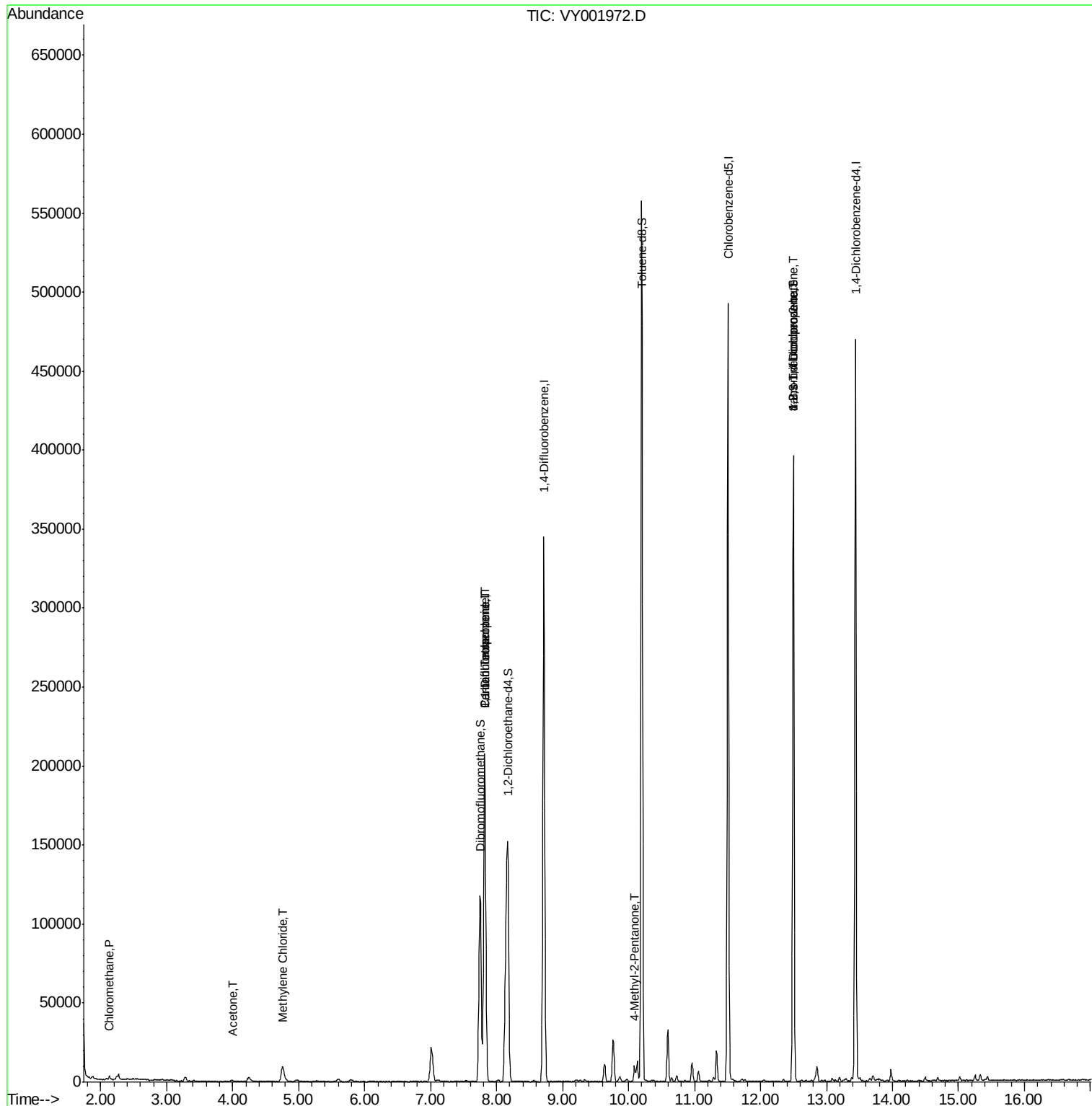
					Qvalue	
3) Chloromethane	2.13	50	2184	1.131 ug/l	#	83
5) Bromomethane	2.68	94	105	Below Cal	#	45
11) Tert butyl alcohol	4.99	59	402	Below Cal	#	74
16) Acetone	4.00	43	1312	2.719 ug/l		94
20) Methylene Chloride	4.75	84	7220	3.492 ug/l	#	86
36) 1,1-Dichloropropene	7.82	75	13570	4.748 ug/l	#	49
38) Carbon Tetrachloride	7.82	117	15285	6.261 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.09	43	8673	5.354 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.80	63	59	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.50	75	61531	45.140 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.50	75	61531	91.180 ug/l	#	17

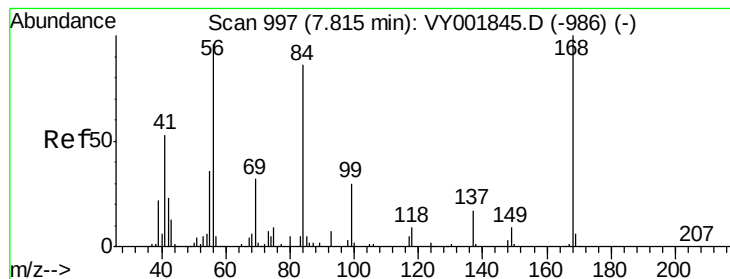
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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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: VY001972.D

Acq: 16 Mar 2020 10:56

Instrument :

MSVOA_Y

ClientSampleId :

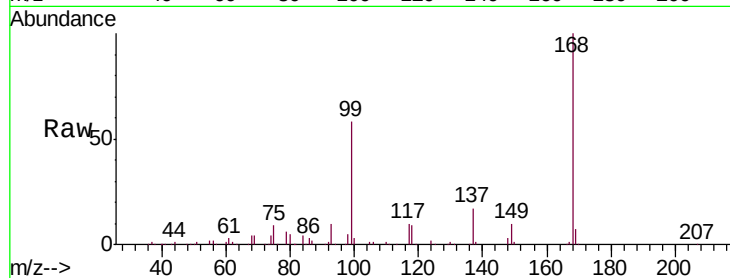
VY0316SBL01

Tgt Ion:168 Resp: 155166

Ion Ratio Lower Upper

168 100

99 58.3 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) (-)

7.82

60000

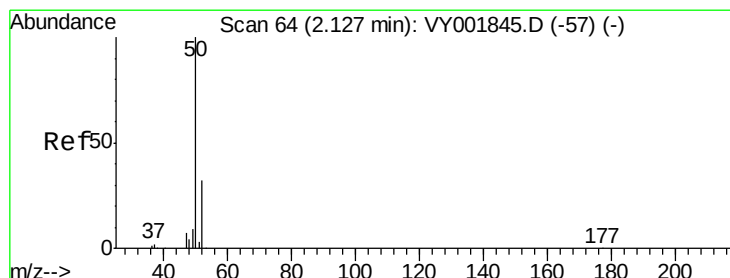
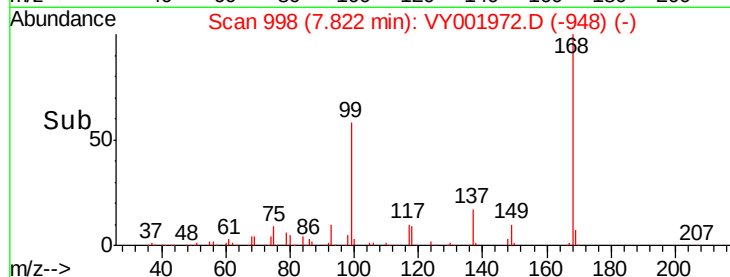
40000

20000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 1.131 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001972.D

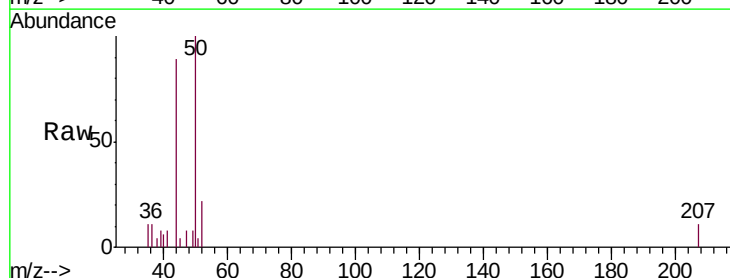
Acq: 16 Mar 2020 10:56

Tgt Ion: 50 Resp: 2184

Ion Ratio Lower Upper

50 100

52 22.4 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY001845.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VY001845.D (-57) (-)

2.13

1500

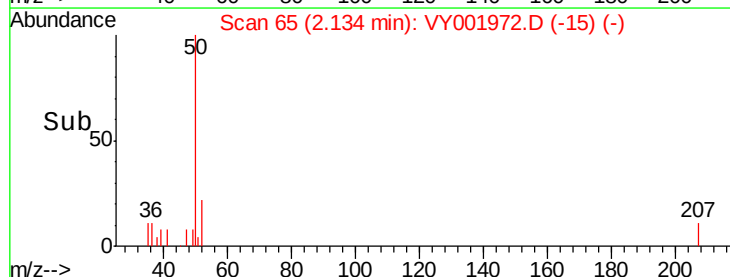
1000

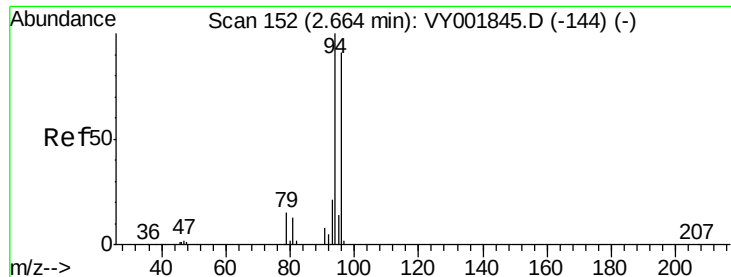
500

0

2.10 2.15 2.20

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001972.D

Acq: 16 Mar 2020 10:56

Instrument :

MSVOA_Y

ClientSampleId :

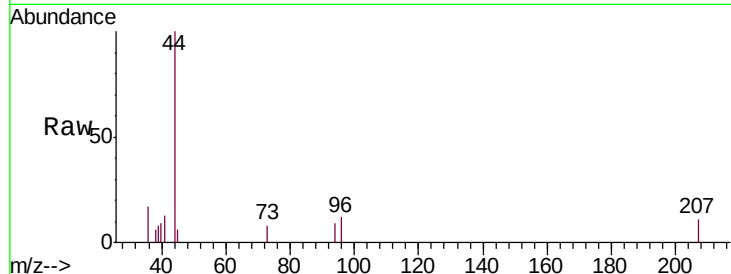
VY0316SBL01

Tgt Ion: 94 Resp: 105

Ion Ratio Lower Upper

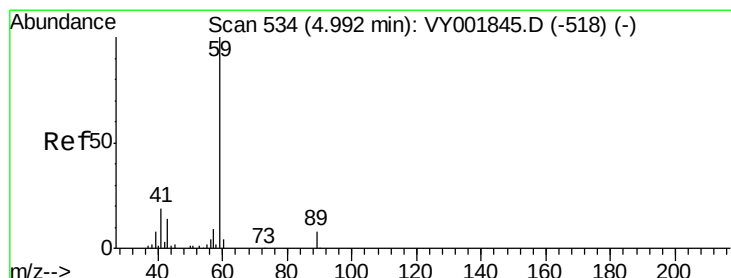
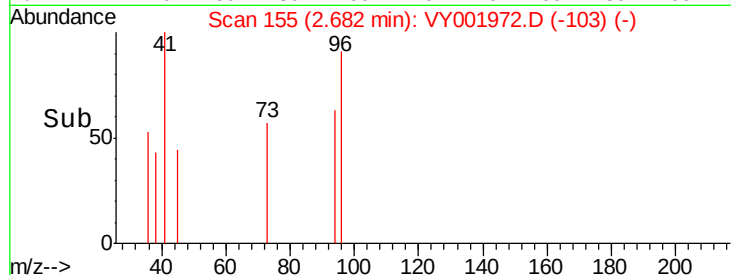
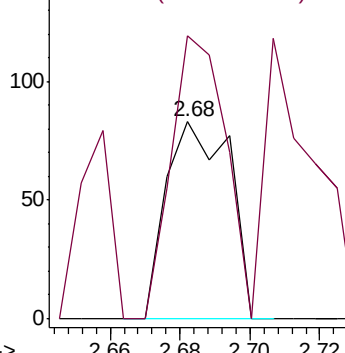
94 100

96 143.4 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: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001972.D

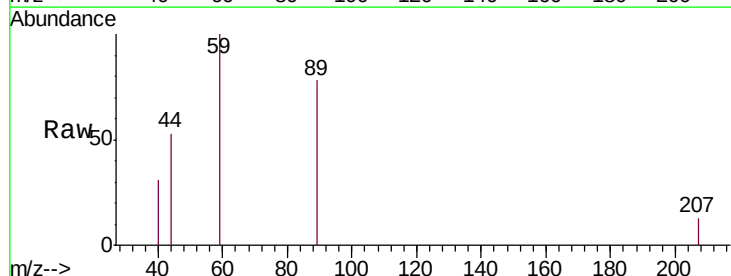
Acq: 16 Mar 2020 10:56

Tgt Ion: 59 Resp: 402

Ion Ratio Lower Upper

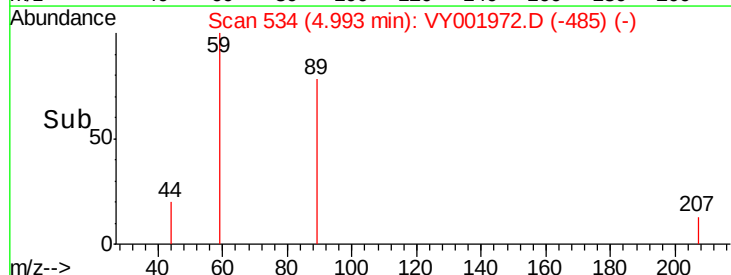
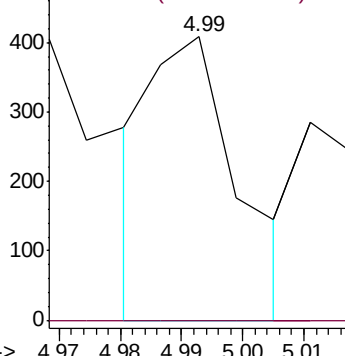
59 100

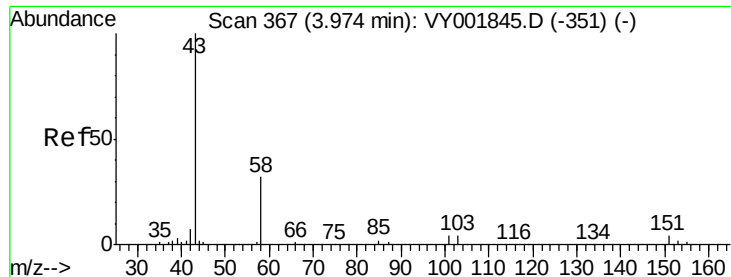
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 2.719 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.02 min

Lab File: VY001972.D

Acq: 16 Mar 2020 10:56

Instrument :

MSVOA_Y

ClientSampleId :

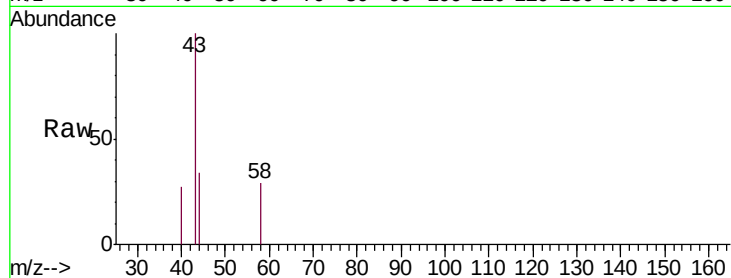
VY0316SBL01

Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

43 100

58 29.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

4.00

500

400

300

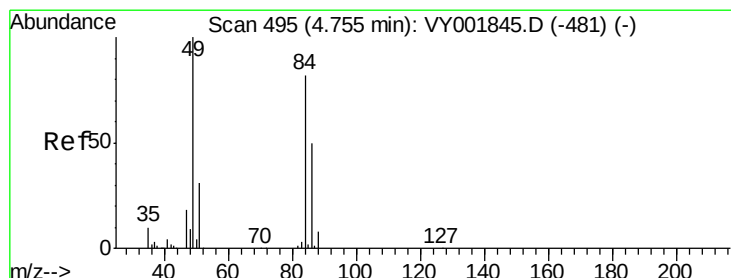
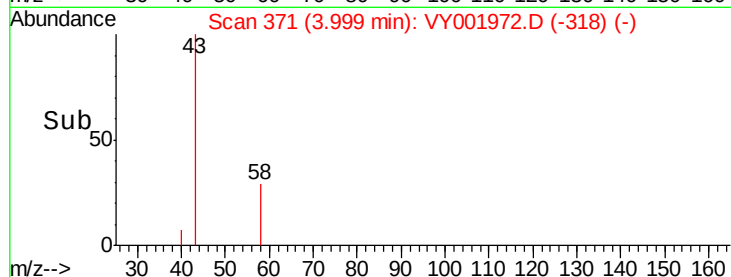
200

100

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 3.492 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY001972.D

Acq: 16 Mar 2020 10:56

Tgt Ion: 84 Resp: 7220

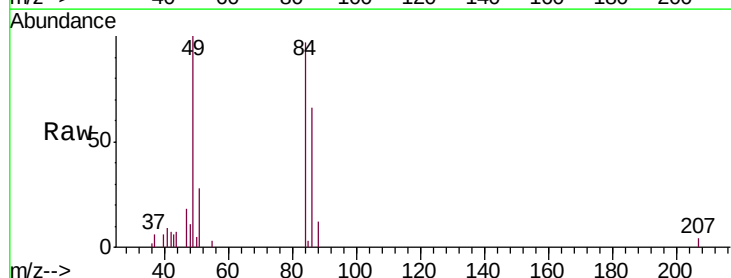
Ion Ratio Lower Upper

84 100

49 103.0 98.2 147.2

51 29.2 30.2 45.2#

86 67.6 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

3000

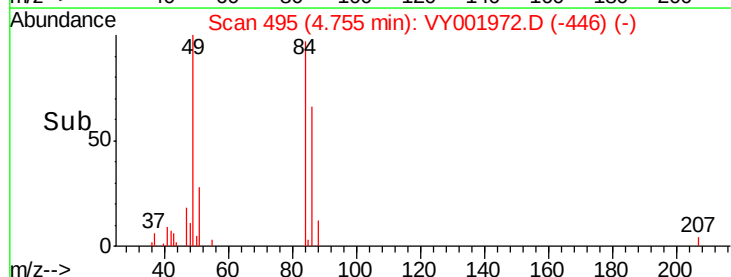
2000

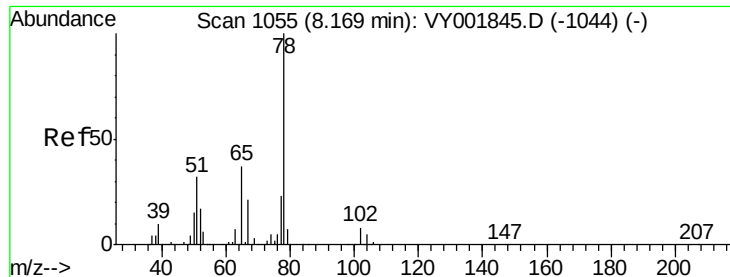
1000

0

Time-->

4.70 4.75 4.80

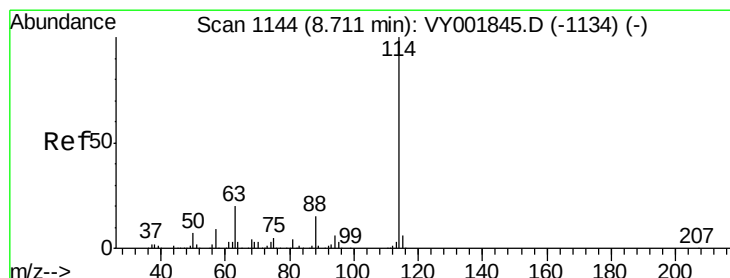
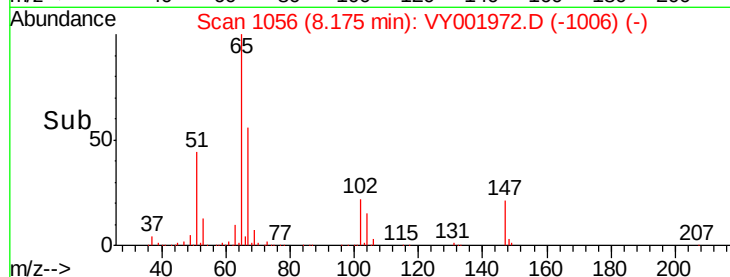
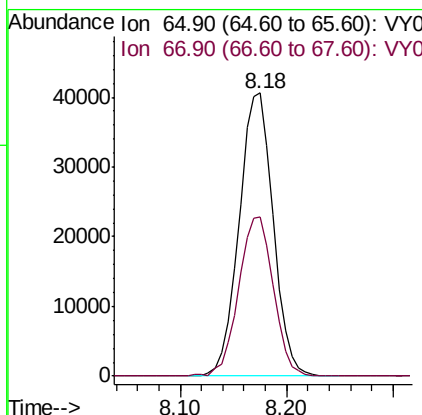
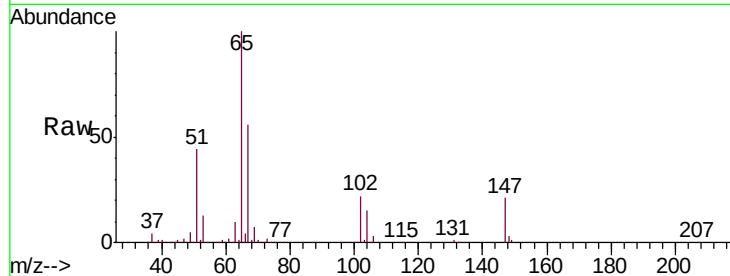




#33
 1,2-Dichloroethane-d4
 Concen: 55.138 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001972.D
 Acq: 16 Mar 2020 10:56

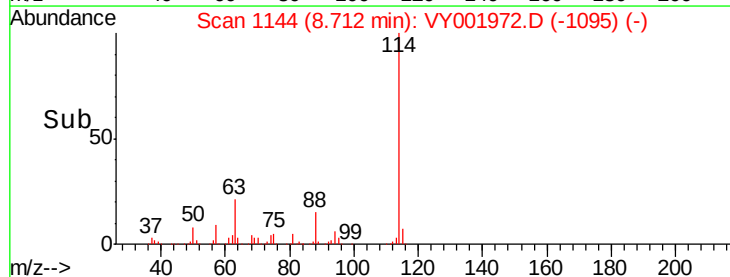
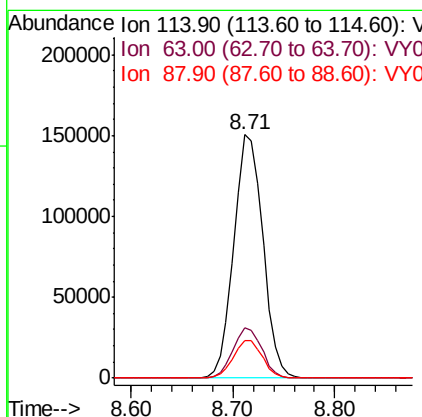
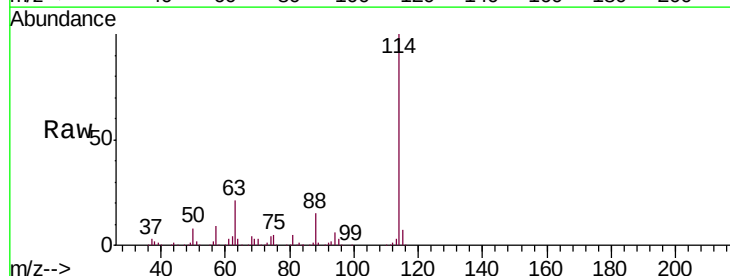
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBL01

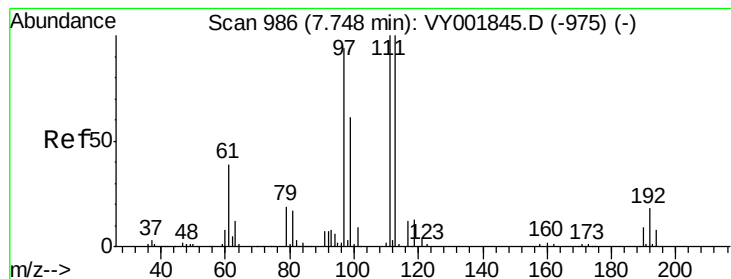
Tgt Ion: 65 Resp: 91336
 Ion Ratio Lower Upper
 65 100
 67 57.4 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001972.D
 Acq: 16 Mar 2020 10:56

Tgt Ion: 114 Resp: 296995
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.4
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.586 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001972.D

Acq: 16 Mar 2020 10:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBL01

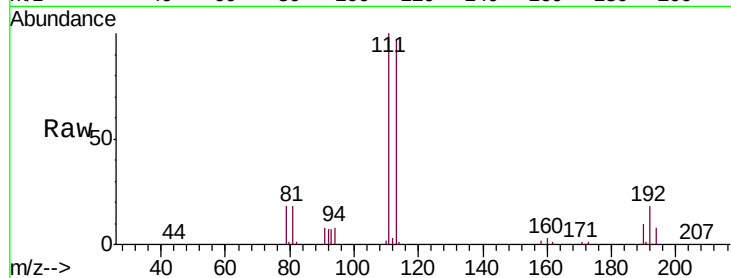
Tgt Ion:113 Resp: 86902

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

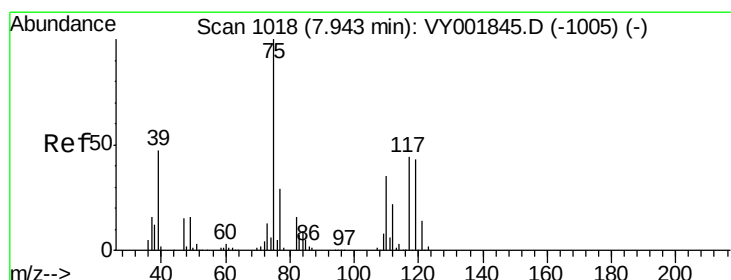
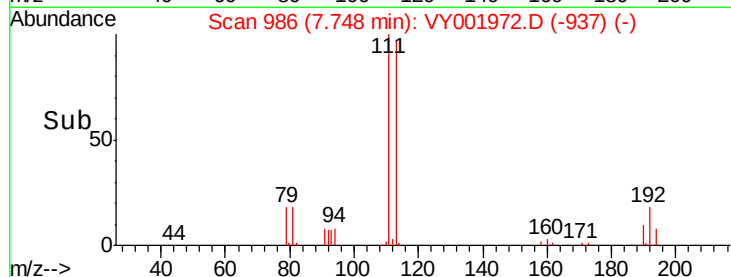
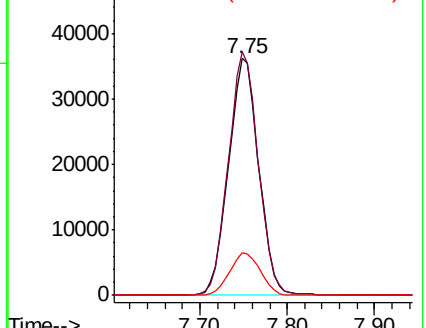
192 18.2 14.2 21.2



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: 4.748 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001972.D

Acq: 16 Mar 2020 10:56

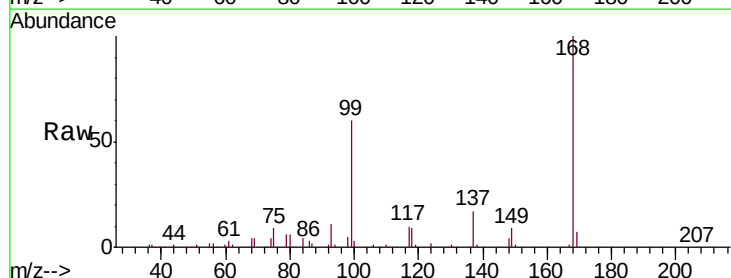
Tgt Ion: 75 Resp: 13570

Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.2#

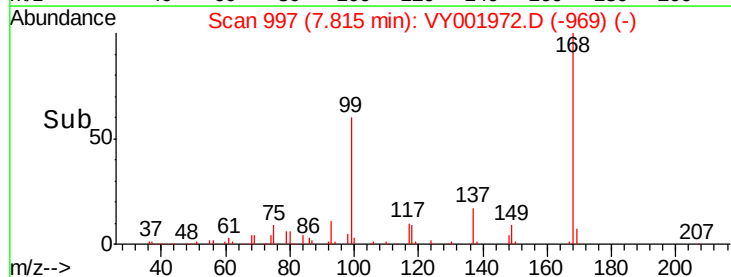
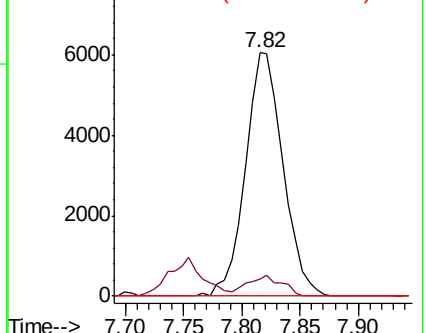
77 0.0 24.2 36.2#

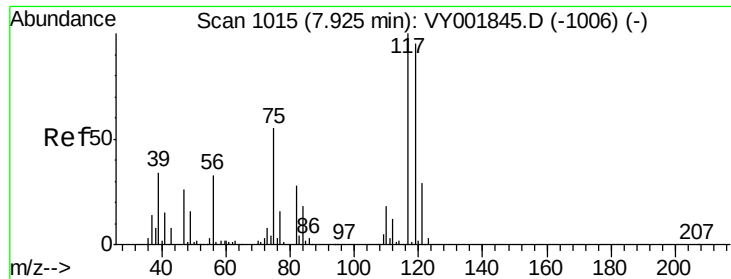


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

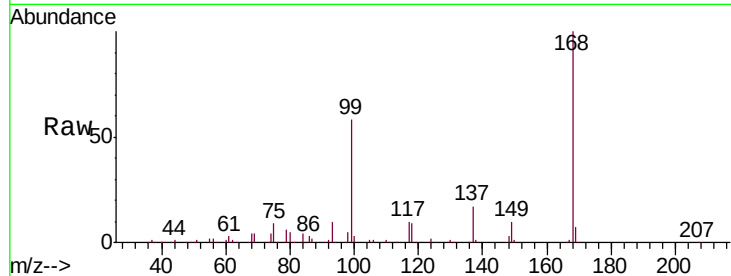




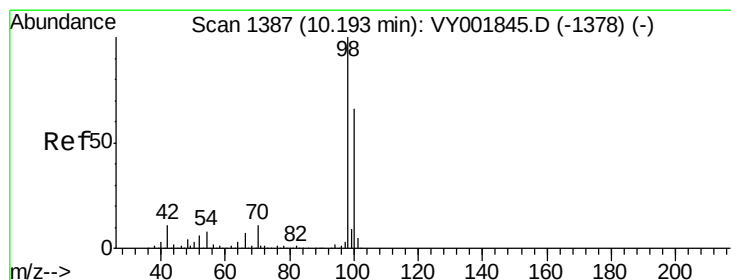
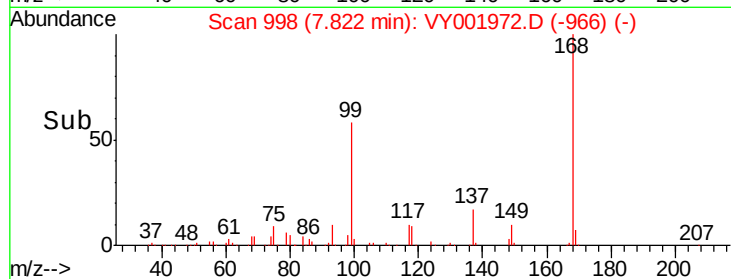
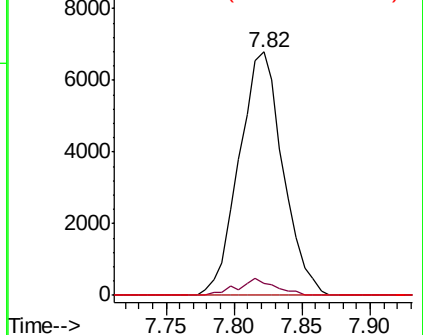
#38
Carbon Tetrachloride
Concen: 6.261 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001972.D
Acq: 16 Mar 2020 10:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBL01

Tgt Ion:117 Resp: 15285
Ion Ratio Lower Upper
117 100
119 5.1 76.3 114.5#
121 0.0 23.5 35.3#

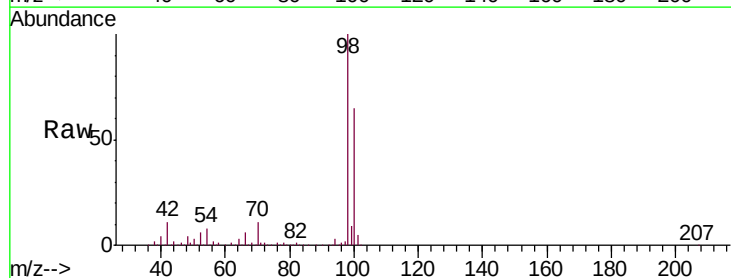


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

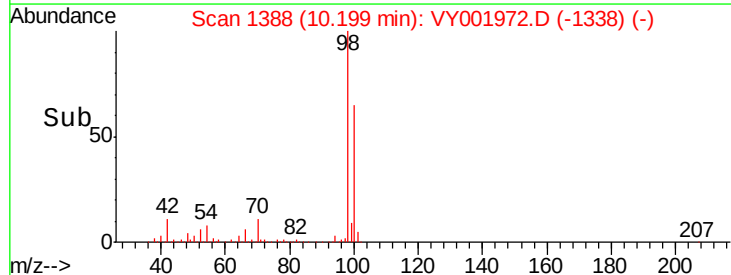
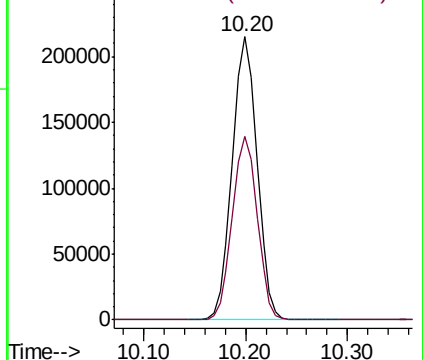


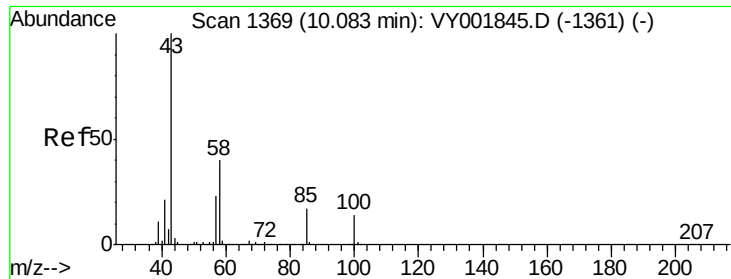
#50
Toluene-d8
Concen: 52.833 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001972.D
Acq: 16 Mar 2020 10:56

Tgt Ion: 98 Resp: 361299
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 5.354 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001972.D

Acq: 16 Mar 2020 10:56

Instrument :

MSVOA_Y

ClientSampleId :

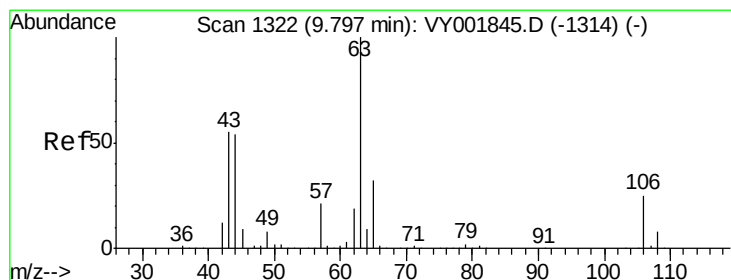
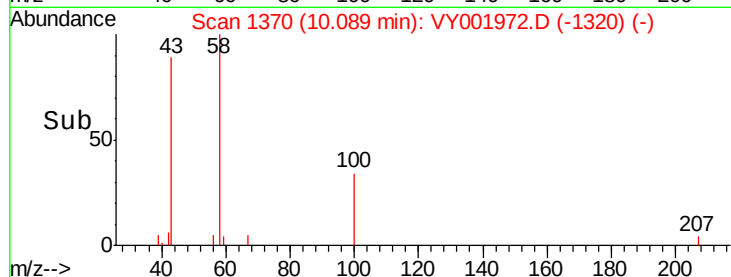
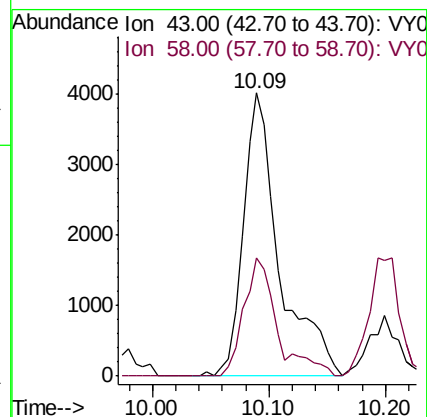
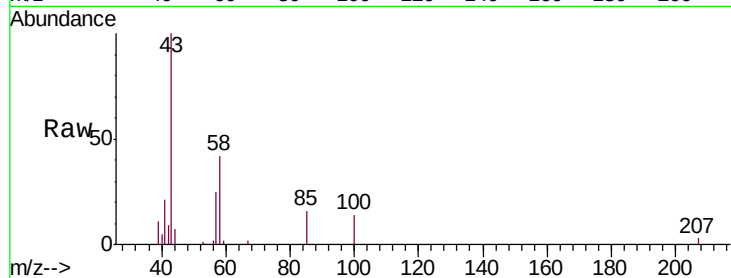
VY0316SBL01

Tgt Ion: 43 Resp: 8673

Ion Ratio Lower Upper

43 100

58 38.7 32.0 48.0



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001972.D

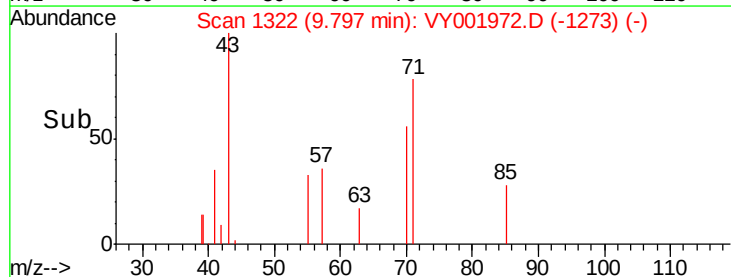
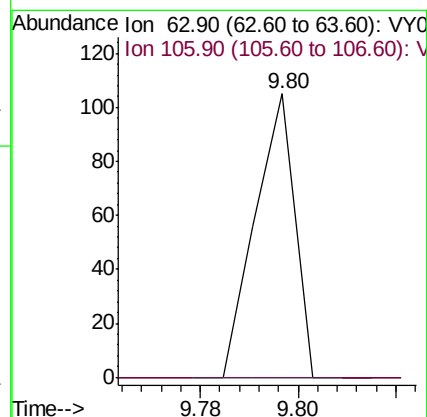
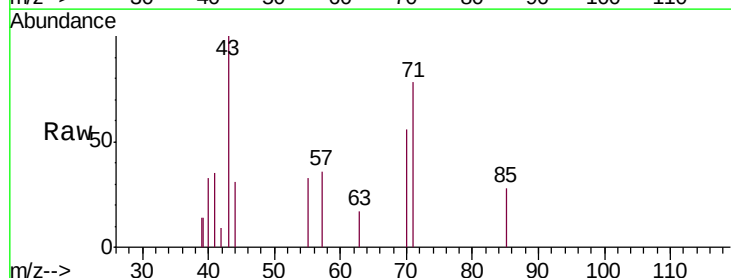
Acq: 16 Mar 2020 10:56

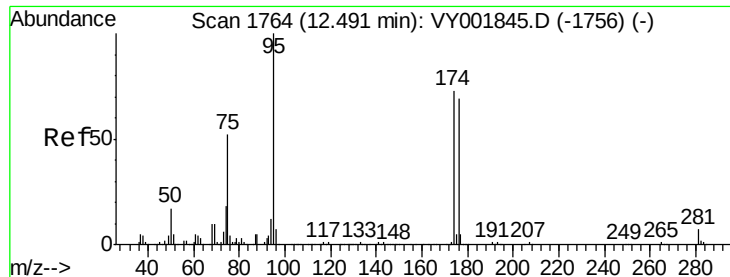
Tgt Ion: 63 Resp: 59

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#

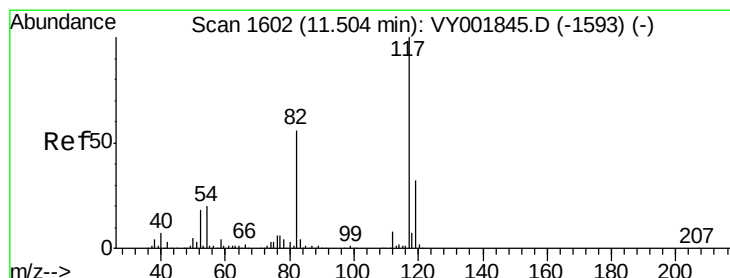
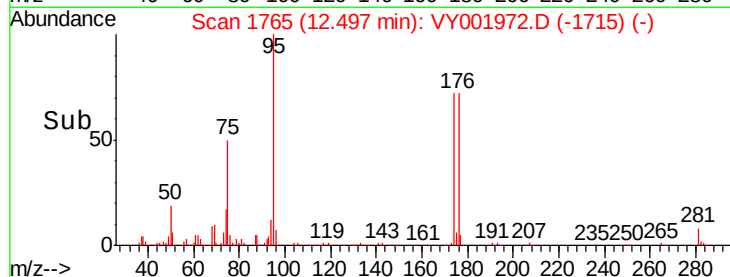
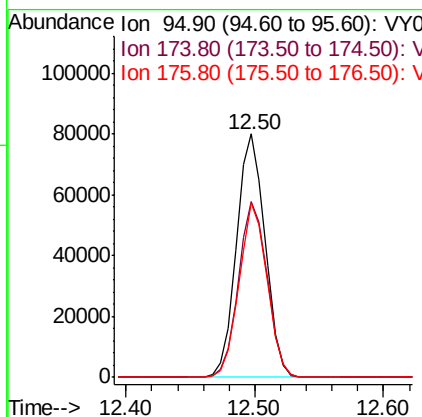
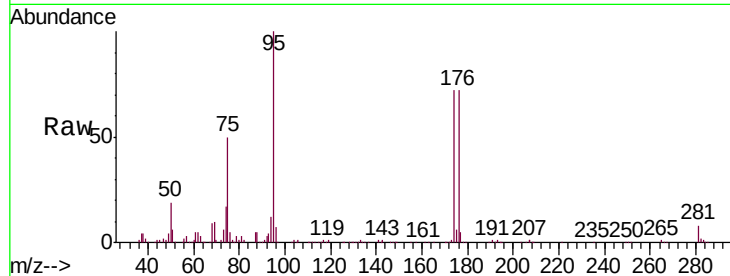




#62
4-Bromofluorobenzene
Concen: 51.555 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001972.D
Acq: 16 Mar 2020 10:56

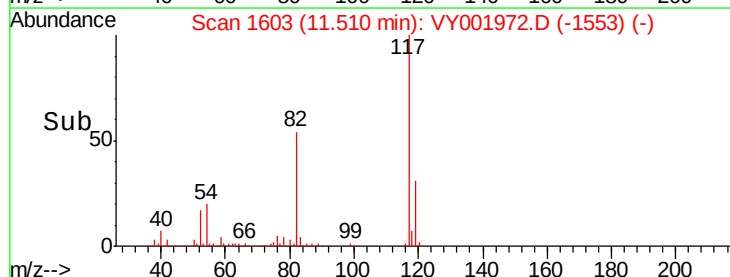
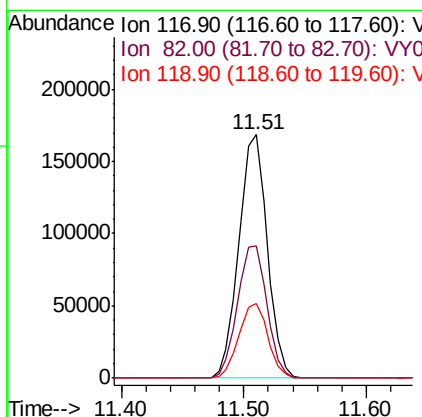
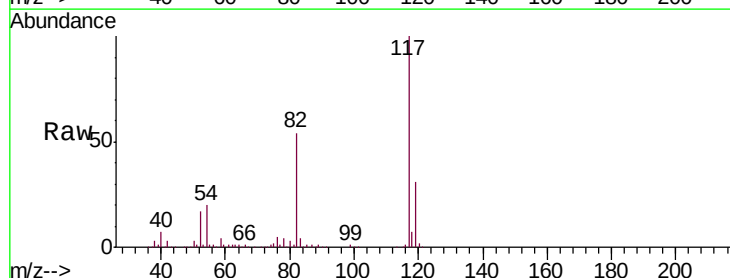
Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBL01

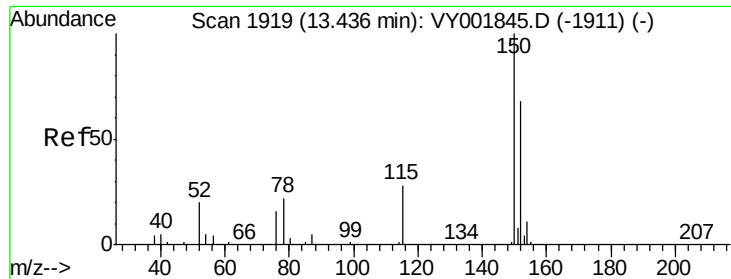
Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	145.0
176	69.9	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001972.D
Acq: 16 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.5	66.7
119	30.8	25.7	38.5

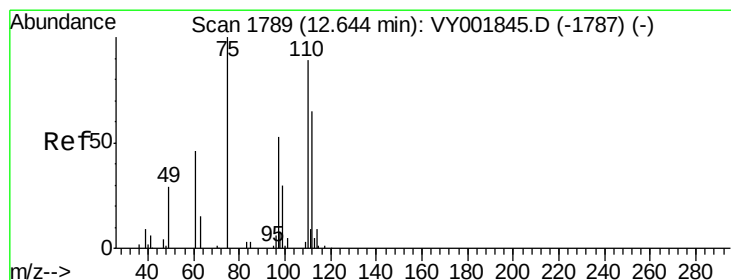
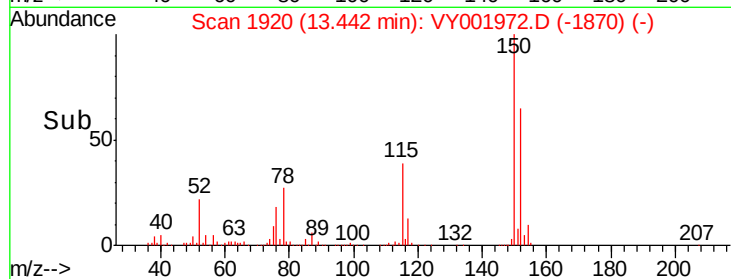
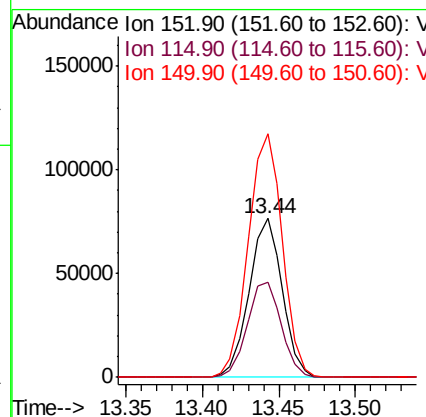
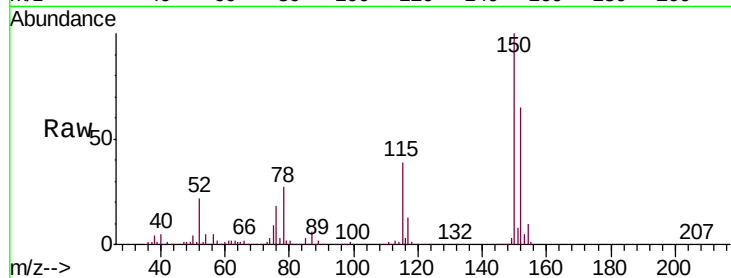




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.01 min
 Lab File: VY001972.D
 Acq: 16 Mar 2020 10:56

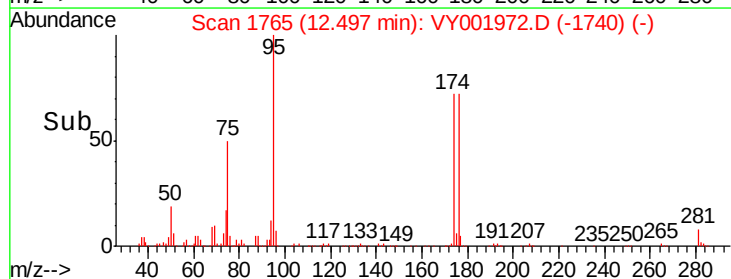
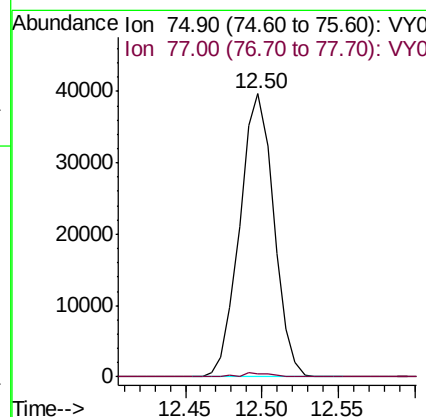
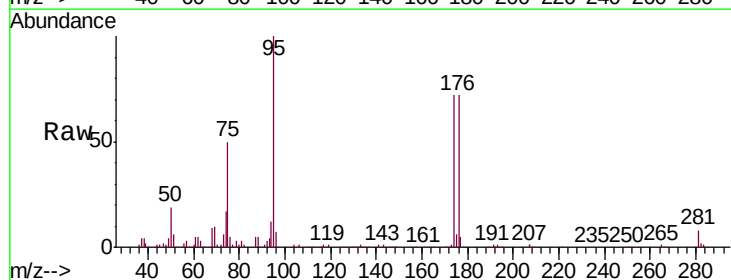
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBL01

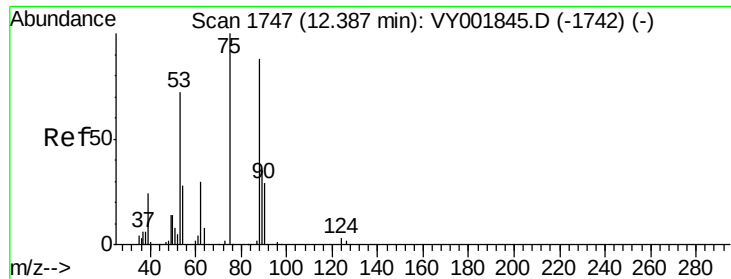
Tgt Ion:152 Resp: 114880
 Ion Ratio Lower Upper
 152 100
 115 61.8 29.9 89.7
 150 157.9 0.0 340.6



#76
 1,2,3-Trichloropropane
 Concen: 45.140 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.15 min
 Lab File: VY001972.D
 Acq: 16 Mar 2020 10:56

Tgt Ion: 75 Resp: 61531
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 91.180 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001972.D

Acq: 16 Mar 2020 10:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBL01

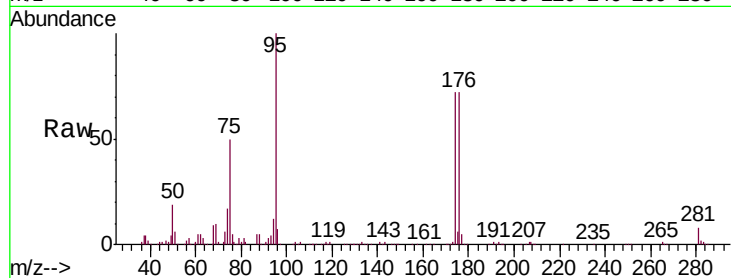
Tgt Ion: 75 Resp: 61531

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.3 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

