

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001436.D
 Acq On : 30 Jan 2020 17:29
 Operator : SY/MD
 Sample : L1319-16
 Misc : 6.20G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 03:24:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	158850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	294933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	274733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	126914	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	96340	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
35) Dibromofluoromethane	7.75	113	88214	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	10.20	98	351613	52.28	ug/l	0.01
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.49	95	129343	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

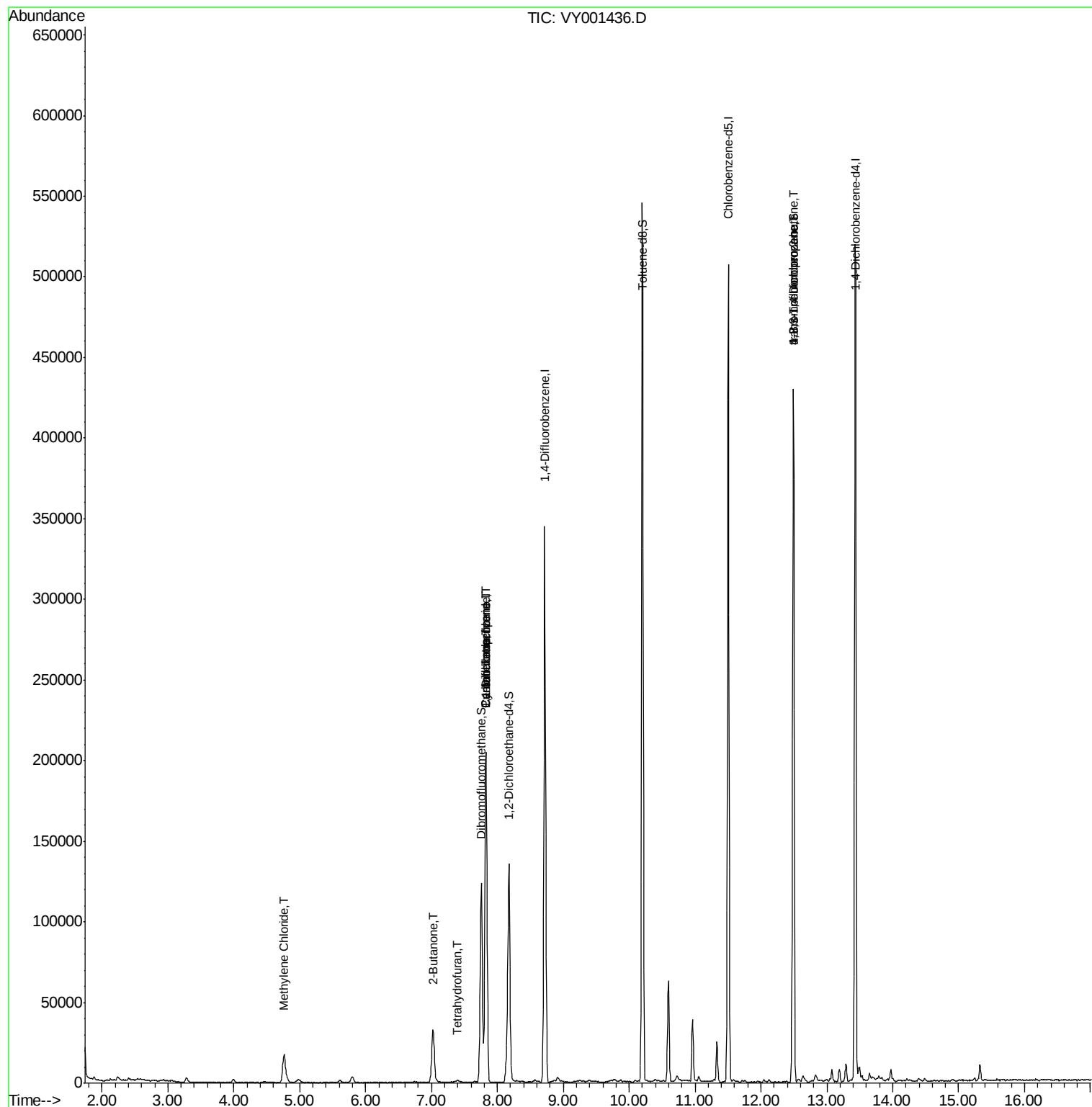
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1734	Below Cal	#	74
13) Acrolein	3.66	56	22	Below Cal	#	15
20) Methylene Chloride	4.77	84	12438	1.736	ug/l	91
25) 2-Butanone	7.03	43	2674	3.554	ug/l #	86
29) Tetrahydrofuran	7.39	42	842	1.720	ug/l #	73
31) Cyclohexane	7.82	56	3587	1.073	ug/l #	3
36) 1,1-Dichloropropene	7.83	75	12952	4.648	ug/l #	49
38) Carbon Tetrachloride	7.83	117	15450	6.222	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	64958	42.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	64958	80.379	ug/l #	14

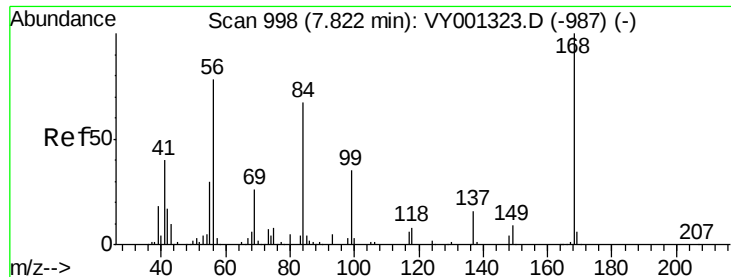
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
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ClientSampleId :

Quant Time: Jan 31 03:24:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

Instrument :

MSVOA_Y

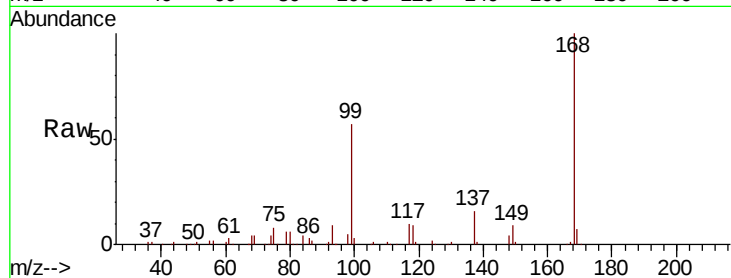
ClientSampleId :

Tot Ion:168 Resp: 158850

Ion Ratio Lower Upper

168 100

99 56.9 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001436.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001436.D (-949) (-)

7.83

80000

60000

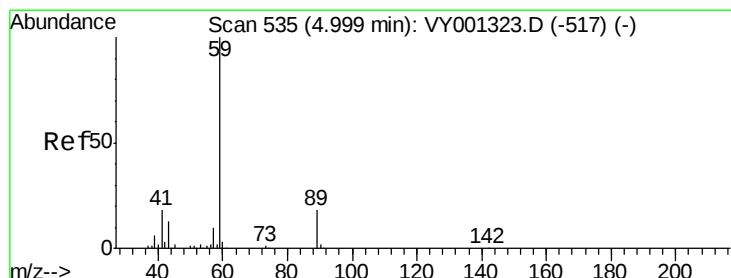
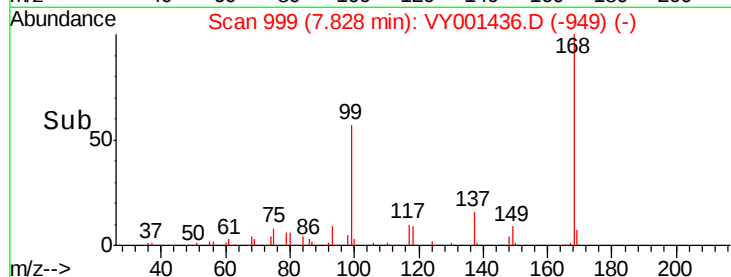
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001436.D

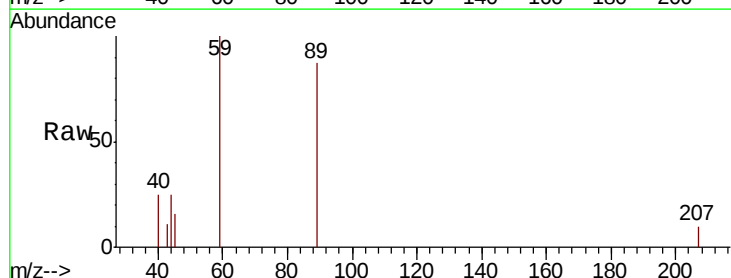
Acq: 30 Jan 2020 17:29

Tgt Ion: 59 Resp: 1734

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001436.D (-486) (-)

Ion 57.00 (56.70 to 57.70): VY001436.D (-486) (-)

4.97

600

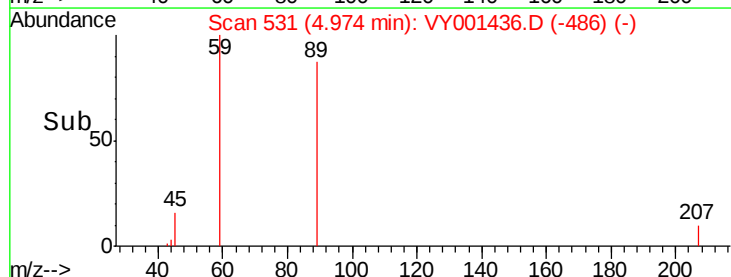
400

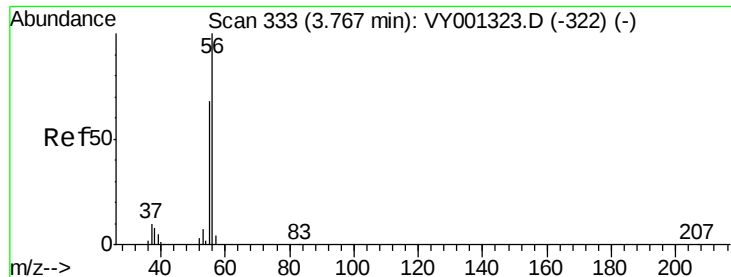
200

0

Time-->

4.90 4.95 5.00





#13

Acrolein

Concen: Below Cal

RT: 3.66 min Scan# 315

Delta R.T. -0.11 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

Instrument :

MSVOA_Y

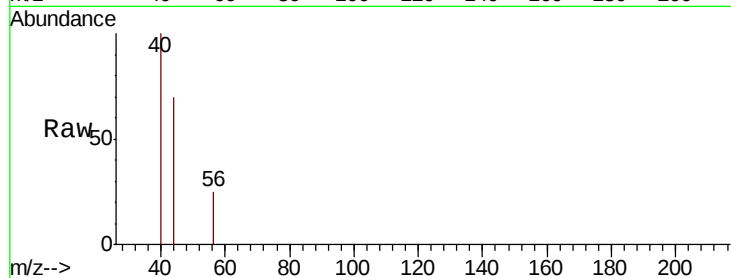
ClientSampleId :

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

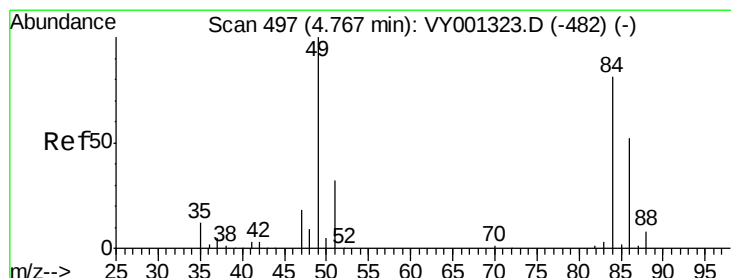
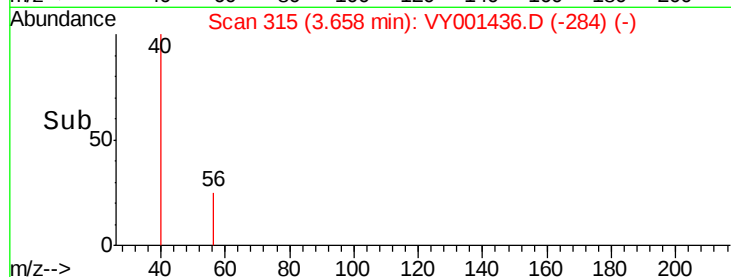
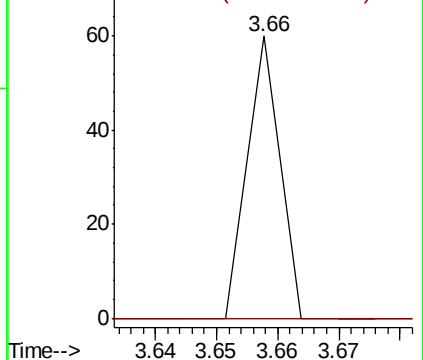
56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#20

Methylene Chloride

Concen: 1.736 ug/l

RT: 4.77 min Scan# 497

Delta R.T. -0.00 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

Tgt Ion: 84 Resp: 12438

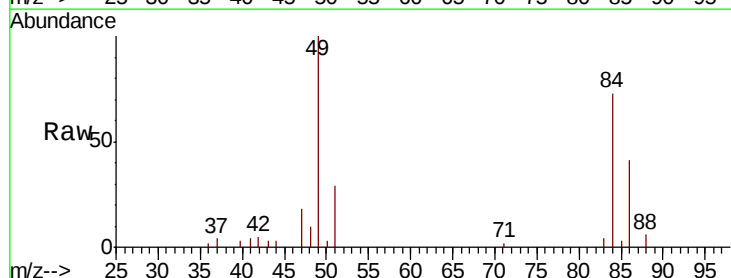
Ion Ratio Lower Upper

84 100

49 136.2 98.3 147.5

51 39.7 31.6 47.4

86 56.2 51.1 76.7

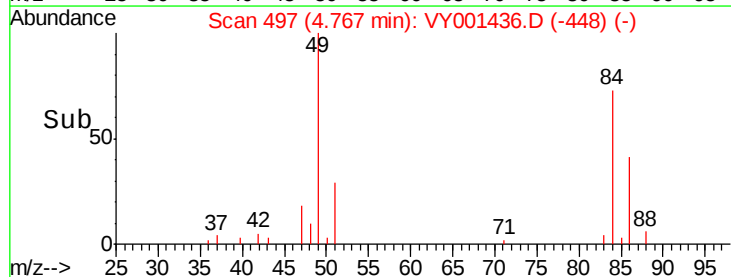
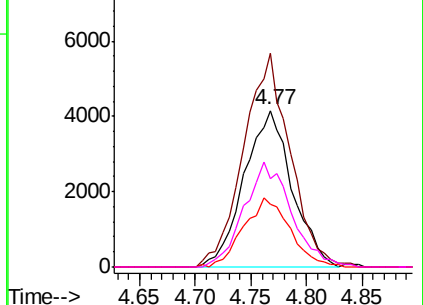


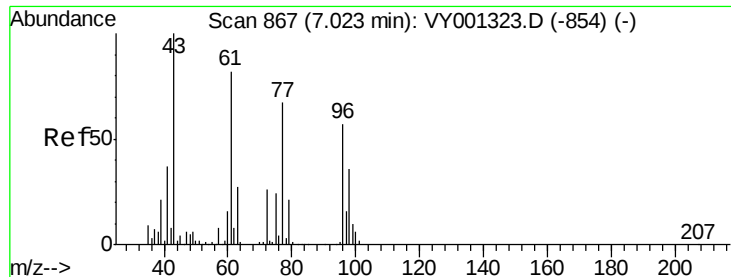
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

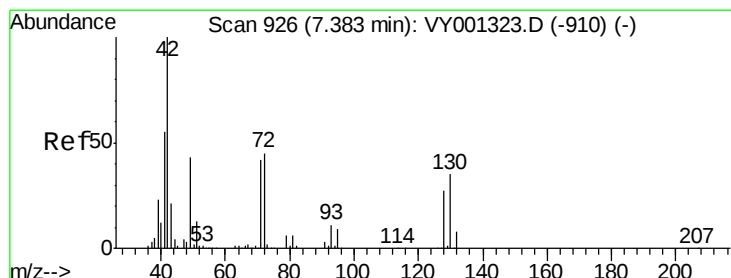
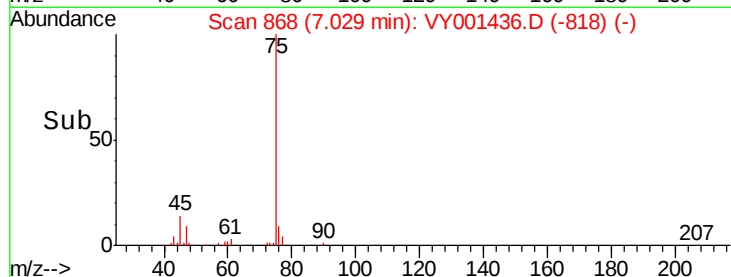
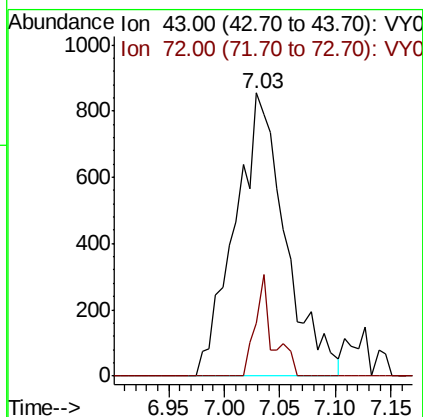
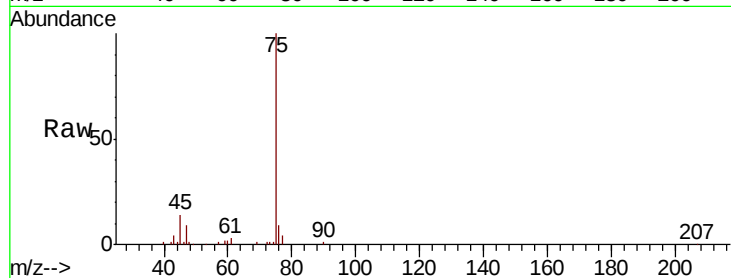




#25
2-Butanone
Concen: 3.554 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001436.D
Acq: 30 Jan 2020 17:29

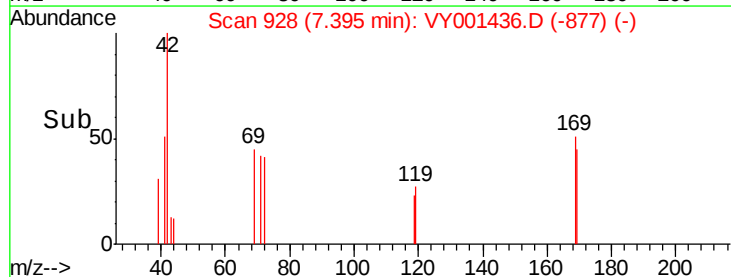
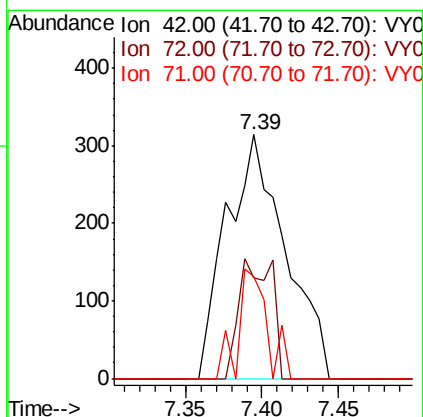
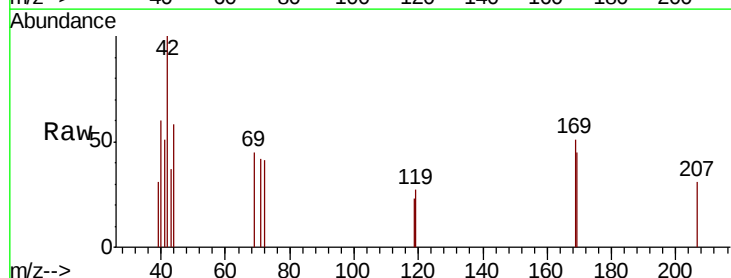
Instrument :
MSVOA_Y
ClientSampled :

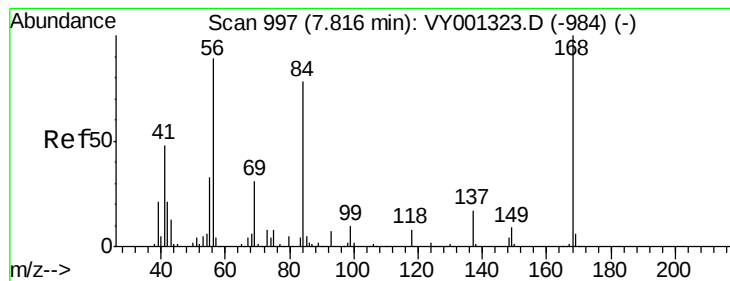
Tot Ion: 43 Resp: 2674
Ion Ratio Lower Upper
43 100
72 18.6 20.6 31.0#



#29
Tetrahydrofuran
Concen: 1.720 ug/l
RT: 7.39 min Scan# 928
Delta R.T. 0.01 min
Lab File: VY001436.D
Acq: 30 Jan 2020 17:29

Tgt Ion: 42 Resp: 842
Ion Ratio Lower Upper
42 100
72 27.4 34.6 51.8#
71 21.9 32.6 48.8#





#31

Cyclohexane

Concen: 1.073 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

Instrument :
MSVOA_Y
ClientSampled :

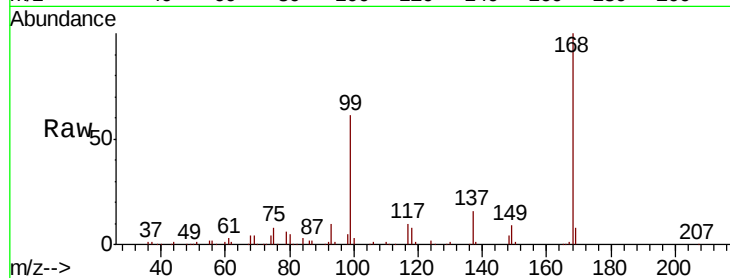
Tot Ion: 56 Resp: 3587

Ion Ratio Lower Upper

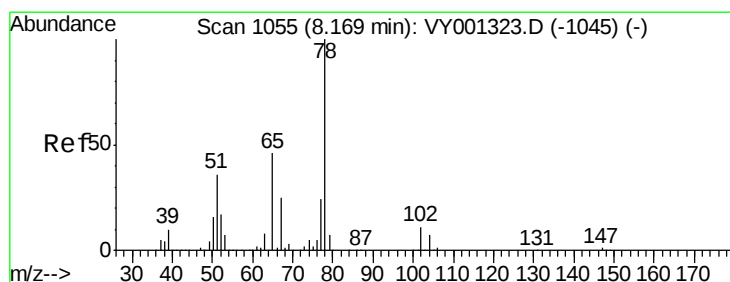
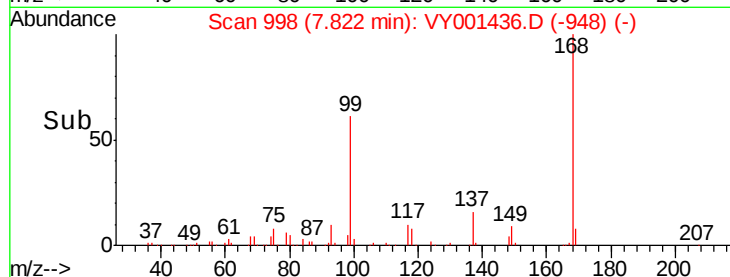
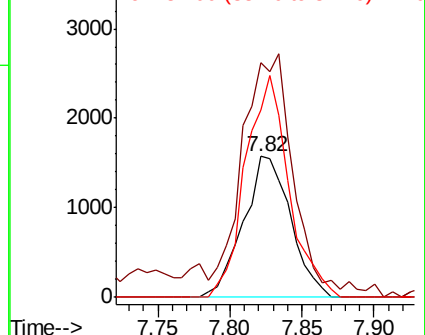
56 100

69 160.5 27.6 41.4#

84 132.4 69.7 104.5#



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: 55.736 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001436.D

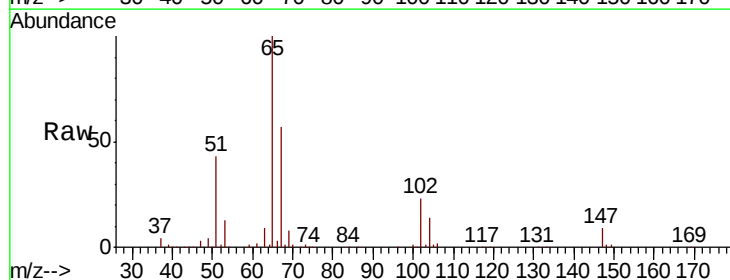
Acq: 30 Jan 2020 17:29

Tgt Ion: 65 Resp: 96340

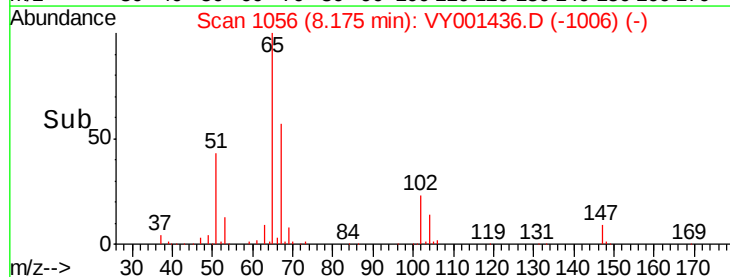
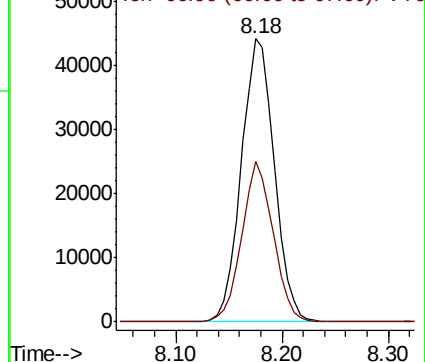
Ion Ratio Lower Upper

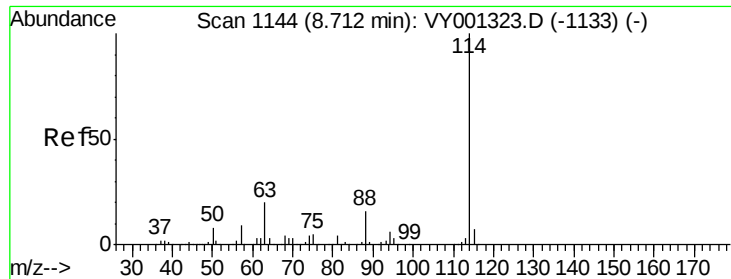
65 100

67 54.1 0.0 108.6



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

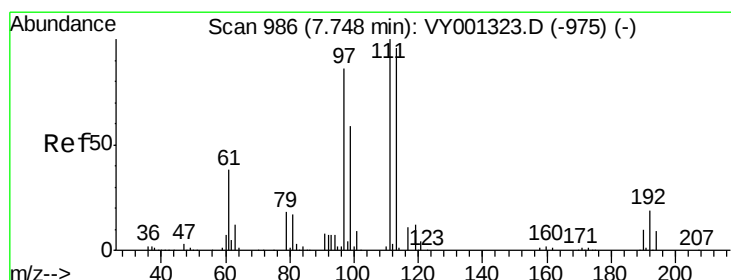
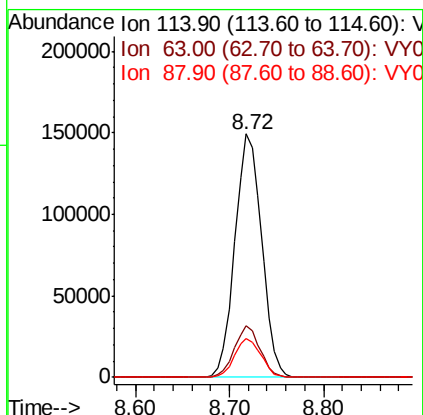
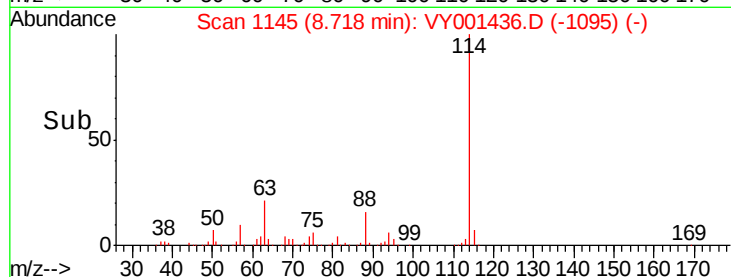
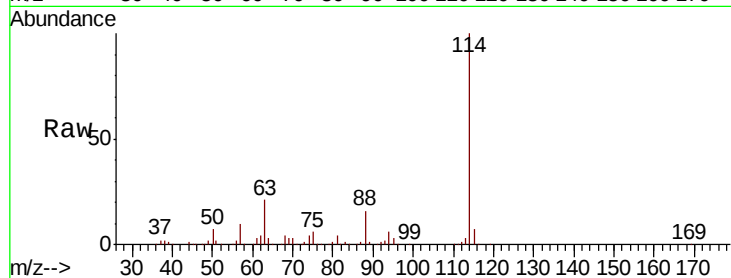




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001436.D
 Acq: 30 Jan 2020 17:29

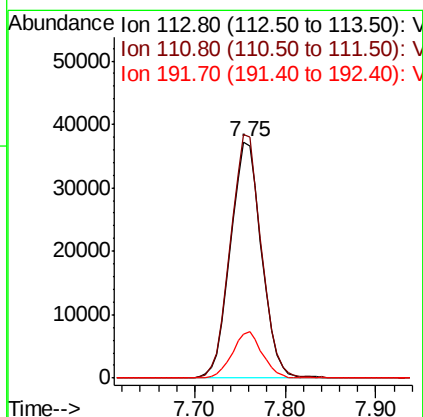
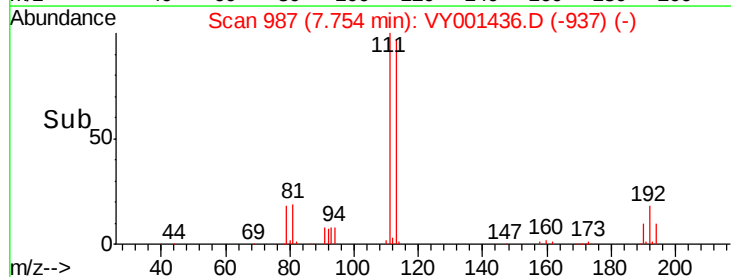
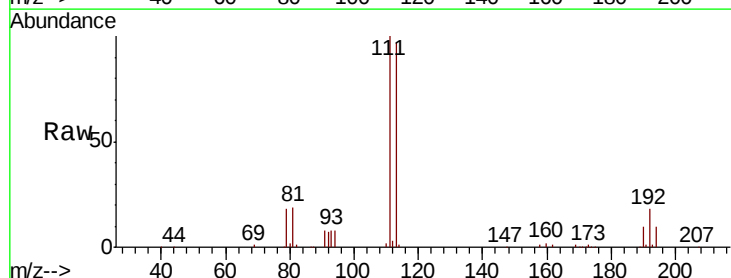
Instrument :
 MSVOA_Y
 ClientSampleId :

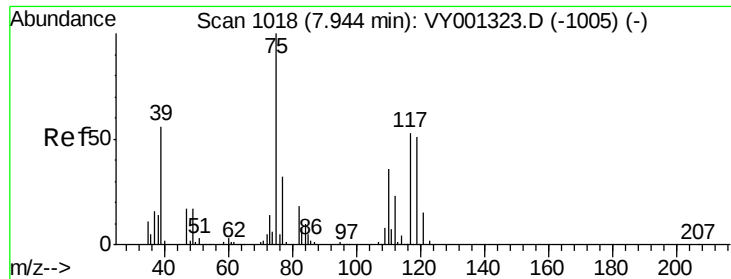
Tot Ion:114 Resp: 294933
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 16.0 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 50.961 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001436.D
 Acq: 30 Jan 2020 17:29

Tgt Ion:113 Resp: 88214
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 19.0 15.5 23.3

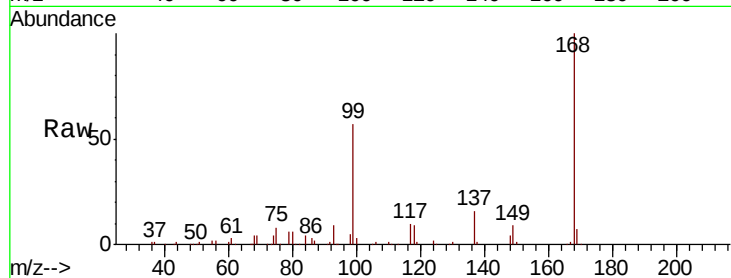




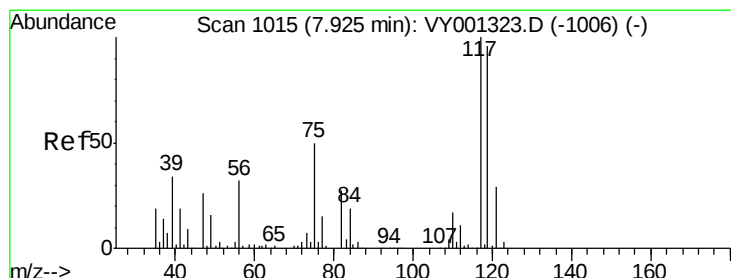
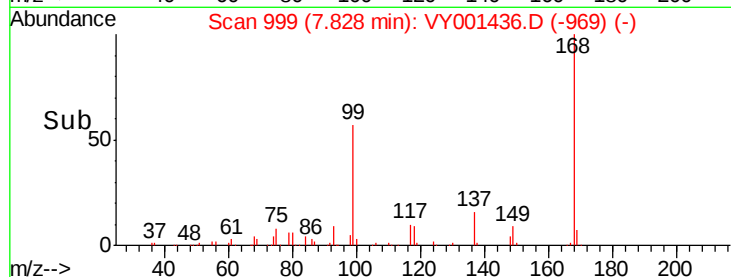
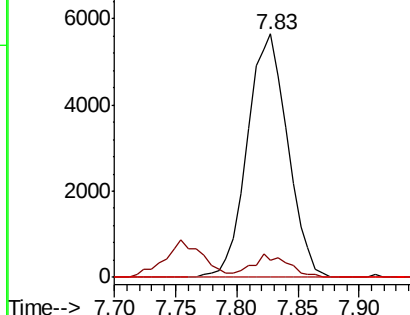
#36
 1,1-Dichloropropene
 Concen: 4.648 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.12 min
 Lab File: VY001436.D
 Acq: 30 Jan 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	12952
Ion Ratio	Lower	Upper	
75	100		
110	8.4	17.6	52.8#
77	0.0	24.7	37.1#

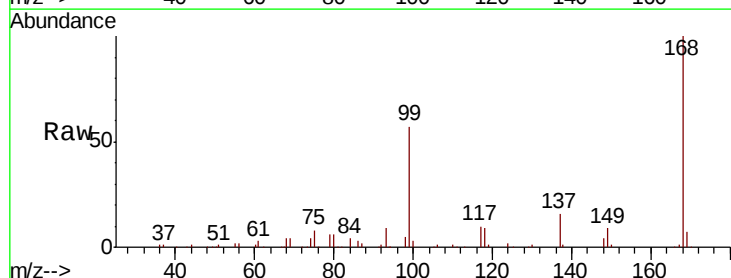


Abundance Ion 74.90 (74.60 to 75.60): VY001436.D (-969) (-)
 Ion 109.90 (109.60 to 110.60): VY001436.D (-969) (-)
 Ion 76.90 (76.60 to 77.60): VY001436.D (-969) (-)

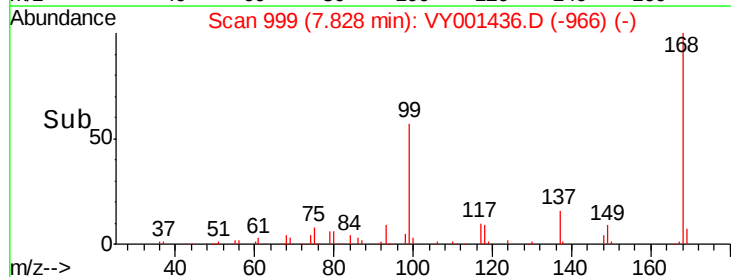
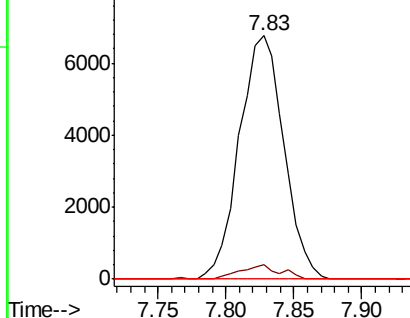


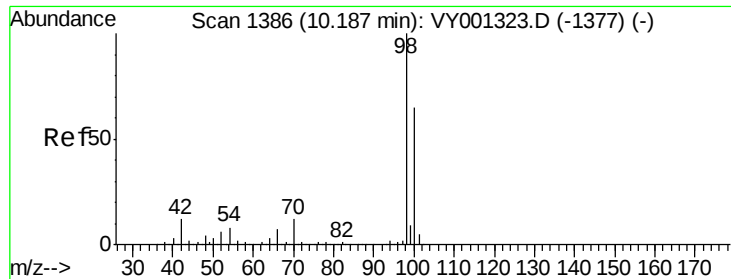
#38
 Carbon Tetrachloride
 Concen: 6.222 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.10 min
 Lab File: VY001436.D
 Acq: 30 Jan 2020 17:29

Tgt Ion	117	Resp	15450
Ion Ratio	Lower	Upper	
117	100		
119	6.0	76.3	114.5#
121	0.0	23.5	35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001436.D (-966) (-)
 Ion 118.80 (118.50 to 119.50): VY001436.D (-966) (-)
 Ion 120.80 (120.50 to 121.50): VY001436.D (-966) (-)





#50

Toluene-d8

Concen: 52.282 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

Instrument :

MSVOA_Y

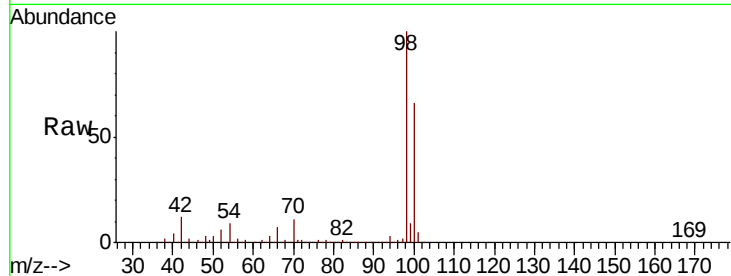
ClientSampleId :

Tot Ion: 98 Resp: 351613

Ion Ratio Lower Upper

98 100

100 66.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001436.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001436.D (-1377) (-)

10.20

200000

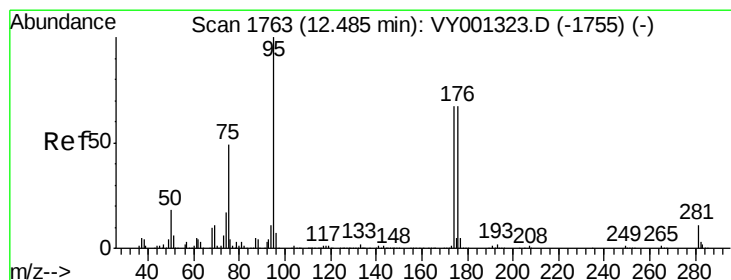
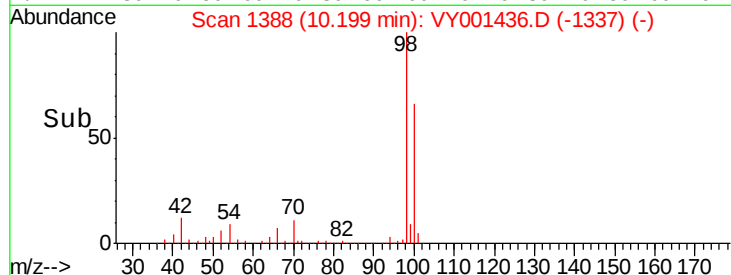
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.294 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

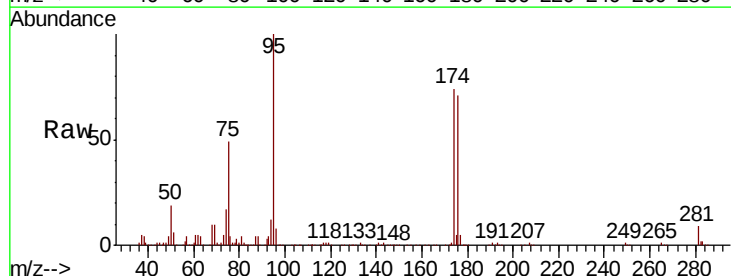
Tgt Ion: 95 Resp: 129343

Ion Ratio Lower Upper

95 100

174 75.1 0.0 142.0

176 73.0 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001436.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001436.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001436.D (-1714) (-)

12.49

120000

100000

80000

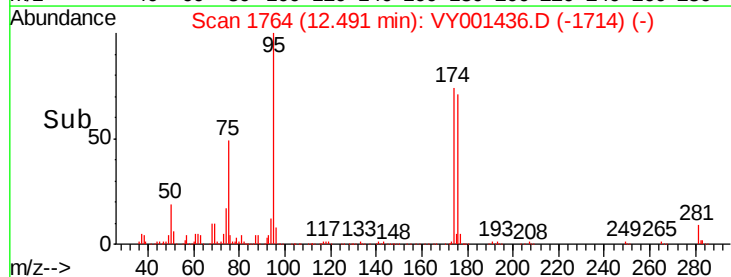
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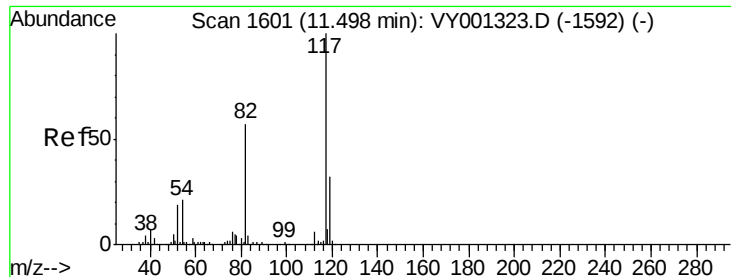
40000

20000

0

Time-->

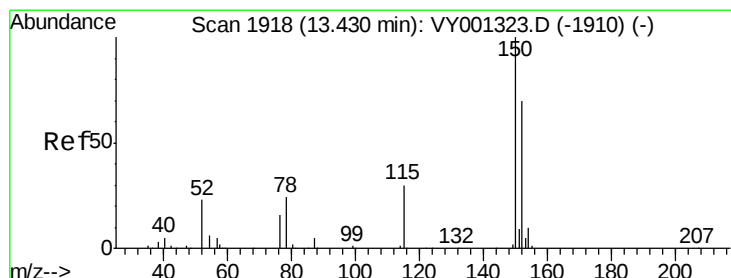
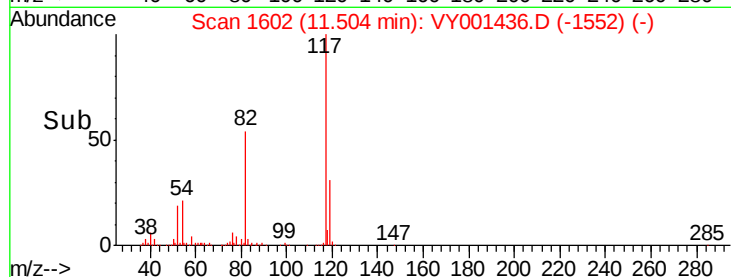
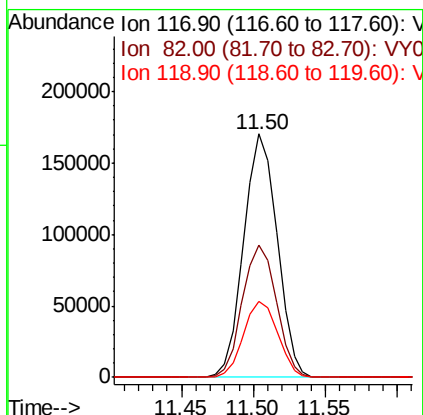
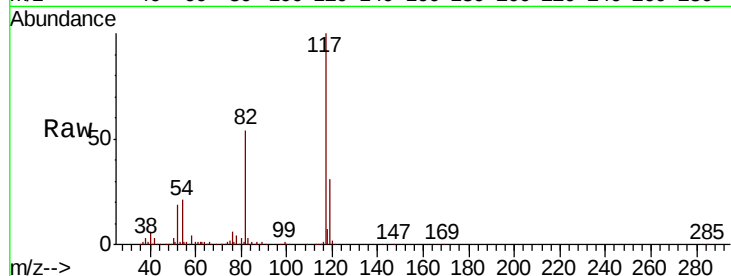




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001436.D
Acq: 30 Jan 2020 17:29

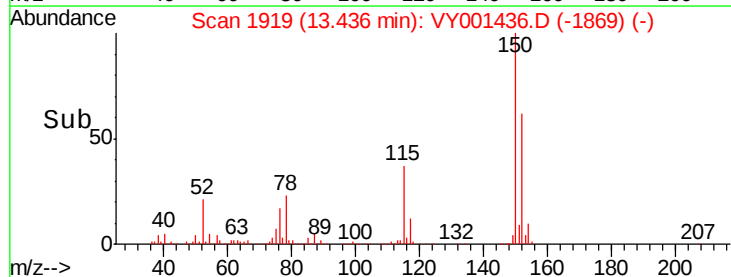
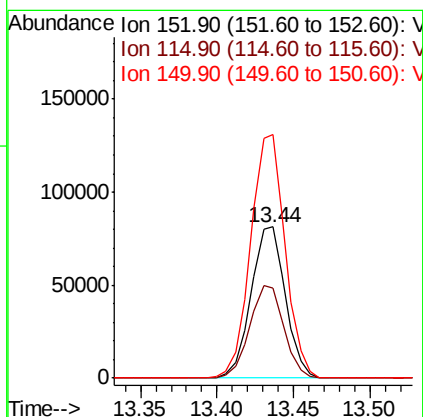
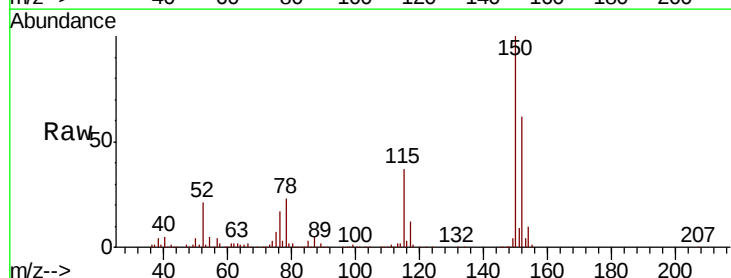
Instrument :
MSVOA_Y
ClientSampleId :

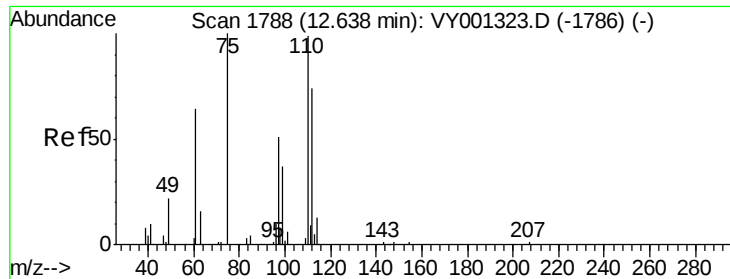
Tot Ion:117 Resp: 274733
Ion Ratio Lower Upper
117 100
82 54.5 45.5 68.3
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001436.D
Acq: 30 Jan 2020 17:29

Tgt Ion:152 Resp: 126914
Ion Ratio Lower Upper
152 100
115 61.0 30.9 92.8
150 160.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 42.475 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

Instrument :

MSVOA_Y

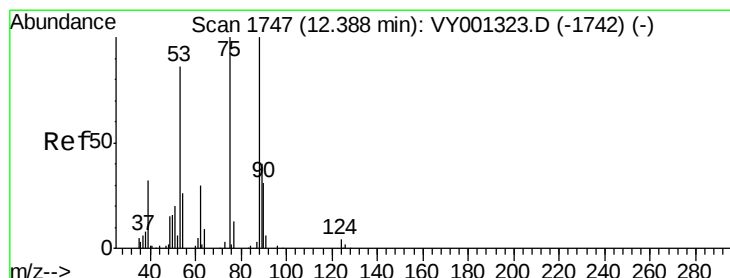
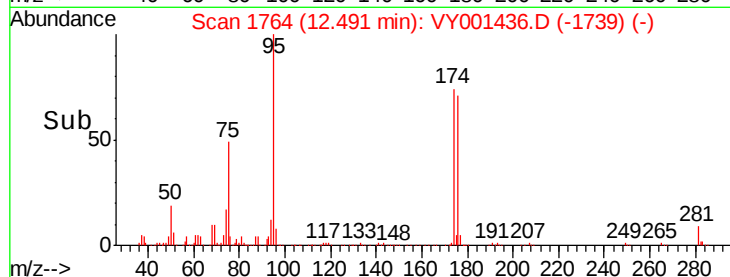
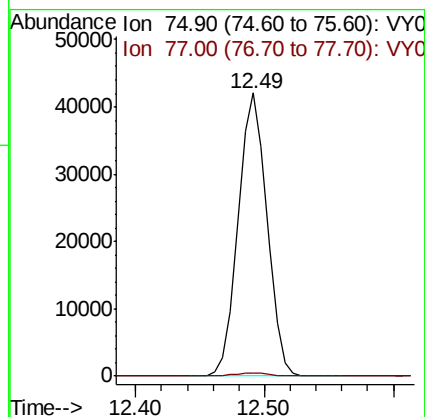
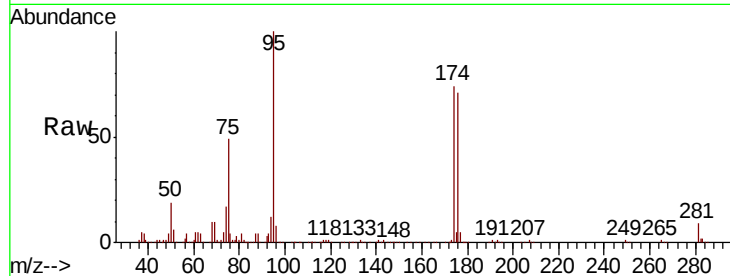
ClientSampleId :

Tot Ion: 75 Resp: 64958

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.379 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001436.D

Acq: 30 Jan 2020 17:29

Tgt Ion: 75 Resp: 64958

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.1 36.6 54.8#

