

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001297.D
 Acq On : 20 Jan 2020 15:48
 Operator : SY/MD
 Sample : L1190-01
 Misc : 7.55G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:02:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	196206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	360150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	309131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	116870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	113291	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
35) Dibromofluoromethane	7.75	113	106423	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.20	98	426996	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.49	95	143319	43.15	ug/l	0.00
Spiked Amount			Recovery	=	86.30%	

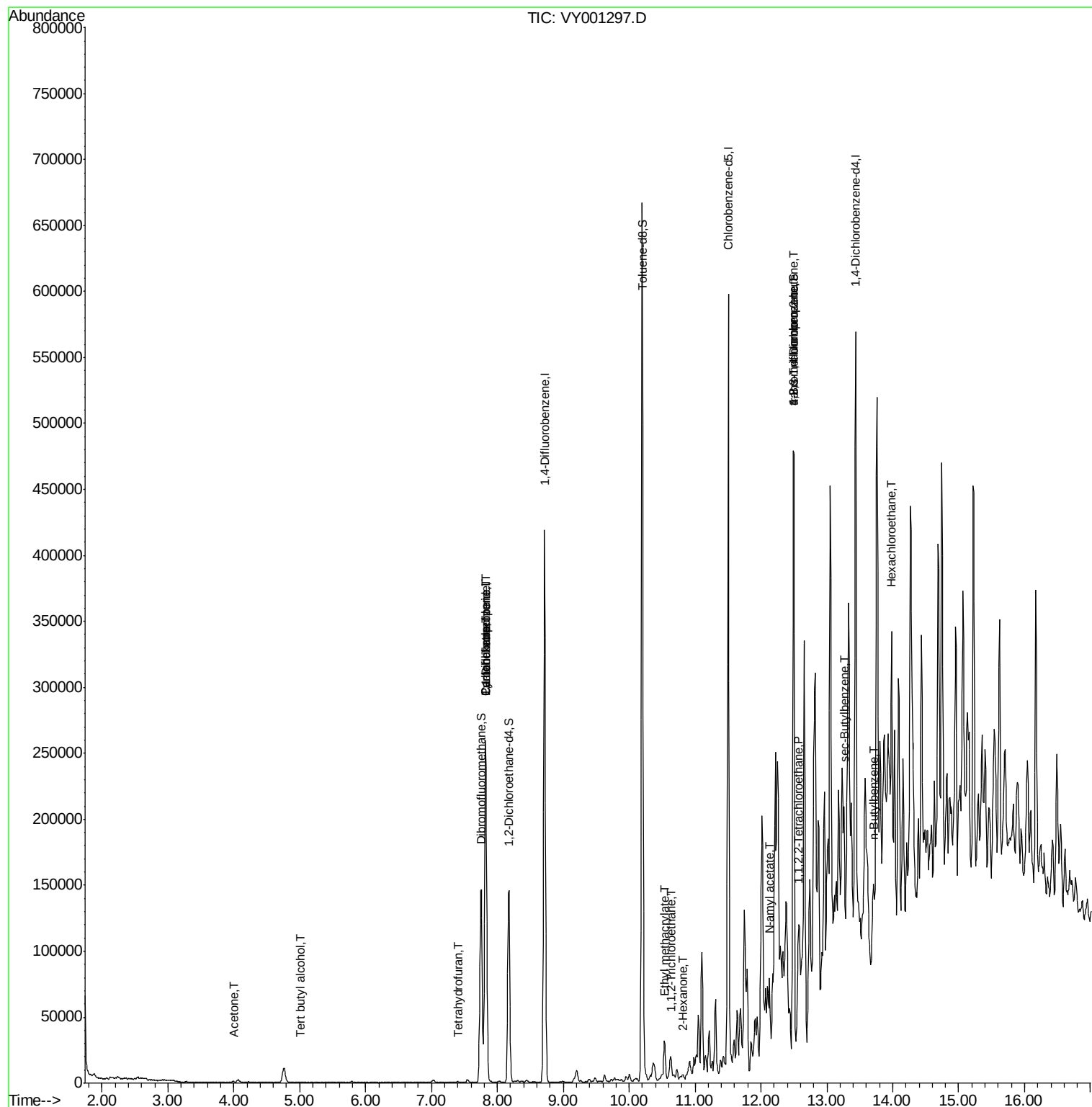
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	395	1.894	ug/l #	73
16) Acetone	3.99	43	1329	2.761	ug/l	91
20) Methylene Chloride	4.76	84	8434	Below Cal	#	90
29) Tetrahydrofuran	7.40	42	534	1.040	ug/l #	35
31) Cyclohexane	7.82	56	4475	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	16163	4.924	ug/l #	48
38) Carbon Tetrachloride	7.82	117	19857	6.601	ug/l #	16
55) 1,1,2-Trichloroethane	10.63	97	6243	3.258	ug/l #	21
56) Ethyl methacrylate	10.54	69	2989	1.020	ug/l #	1
59) 2-Hexanone	10.81	43	1691	1.291	ug/l #	23
74) N-amyl acetate	12.14	43	16172	5.898	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.56	83	4732	2.560	ug/l #	26
76) 1,2,3-Trichloropropane	12.49	75	68486	54.740	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	68486	92.828	ug/l #	9
85) sec-Butylbenzene	13.27	105	21361	2.411	ug/l #	74
89) n-Butylbenzene	13.70	91	9770	1.261	ug/l	90
90) Hexachloroethane	13.98	117	5641	3.752	ug/l #	14

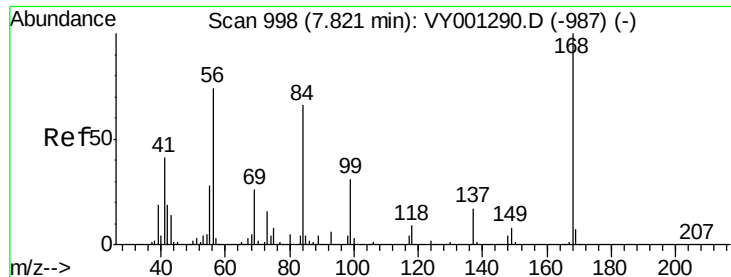
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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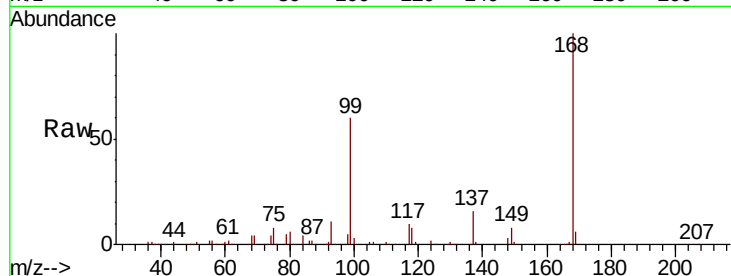




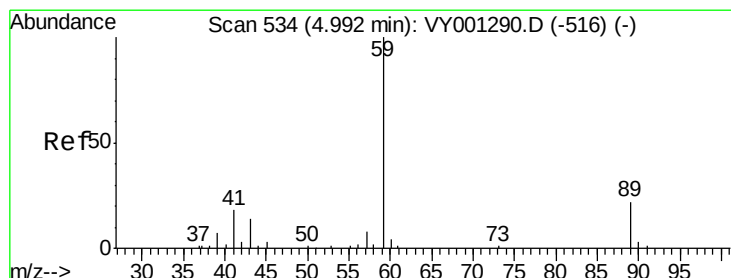
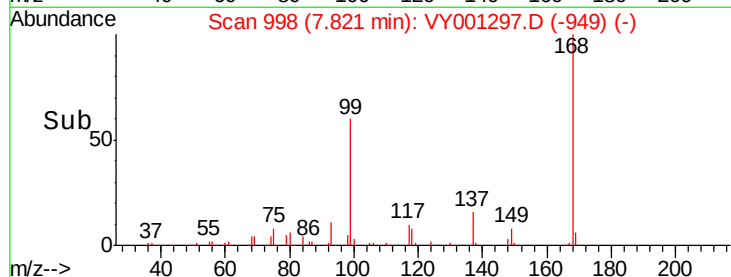
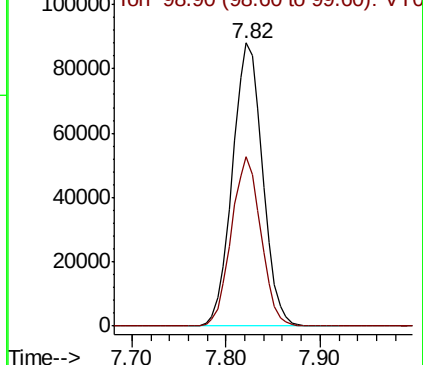
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.00 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 196206
Ion Ratio Lower Upper
168 100
99 59.7 47.9 71.9

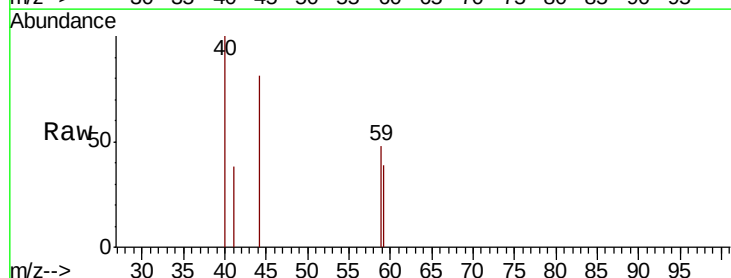


Abundance Ion 167.90 (167.60 to 168.60): VY001297.D (-949) (-)
Ion 98.90 (98.60 to 99.60): VY001297.D (-949) (-)

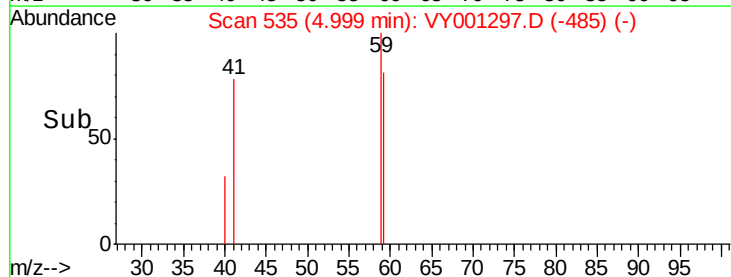
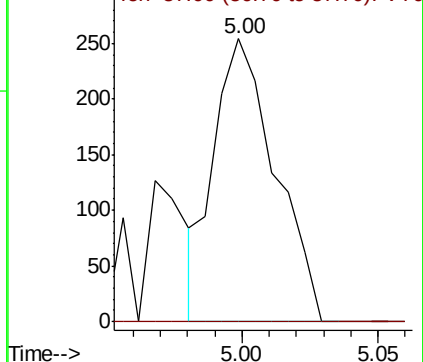


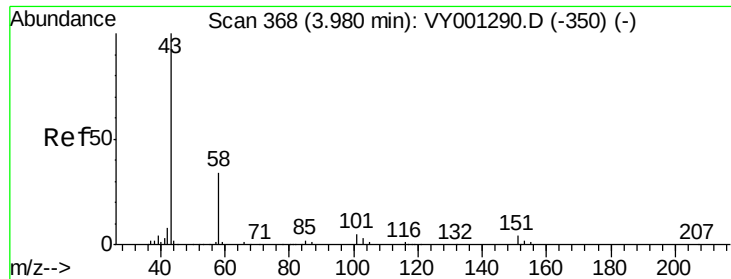
#11
Tert butyl alcohol
Concen: 1.894 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Tgt Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001297.D (-485) (-)
Ion 57.00 (56.70 to 57.70): VY001297.D (-485) (-)





#16

Acetone

Concen: 2.761 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.01 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

Instrument :

MSVOA_Y

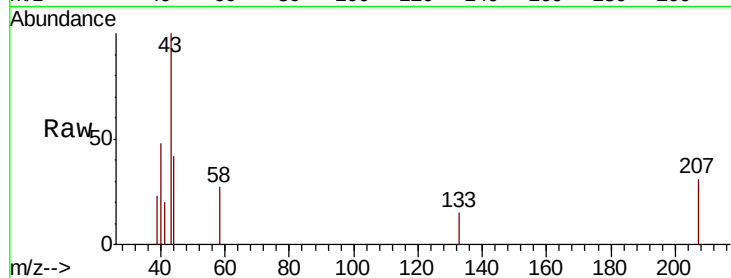
ClientSampleId :

Tot Ion: 43 Resp: 1329

Ion Ratio Lower Upper

43 100

58 27.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001297.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VY001297.D (-370) (-)

3.99

400

300

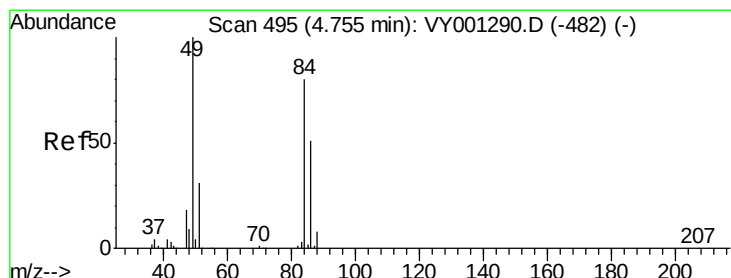
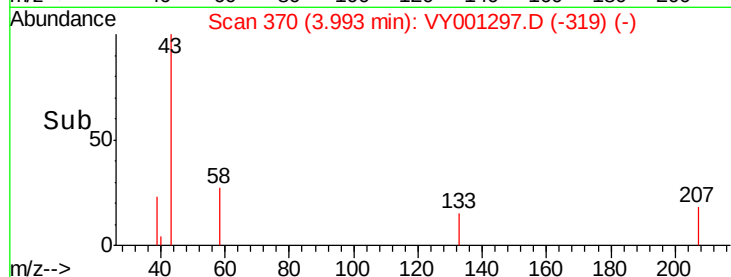
200

100

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

Tgt Ion: 84 Resp: 8434

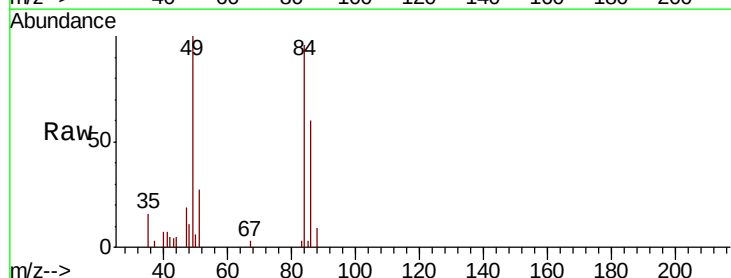
Ion Ratio Lower Upper

84 100

49 104.3 93.8 140.6

51 28.5 29.9 44.9

86 62.8 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VY001297.D (-496) (-)

Ion 48.90 (48.60 to 49.60): VY001297.D (-496) (-)

Ion 50.90 (50.60 to 51.60): VY001297.D (-496) (-)

Ion 85.90 (85.60 to 86.60): VY001297.D (-496) (-)

4.76

3000

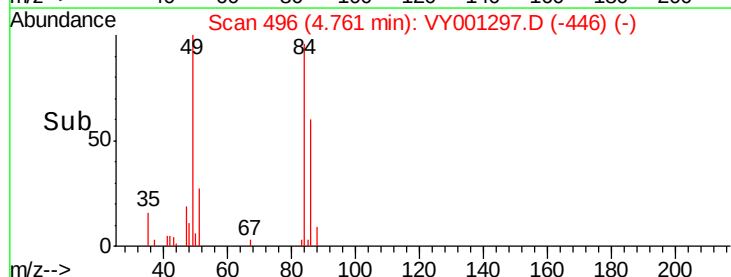
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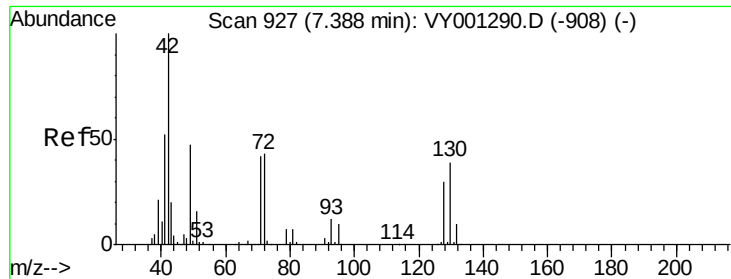
1000

0

4.70 4.75 4.80 4.85

Time-->

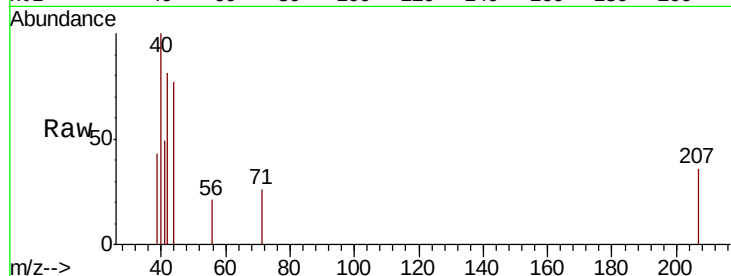




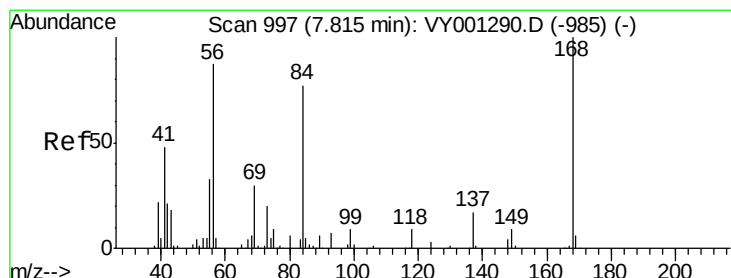
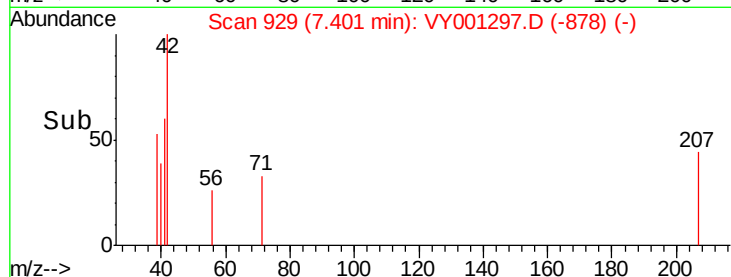
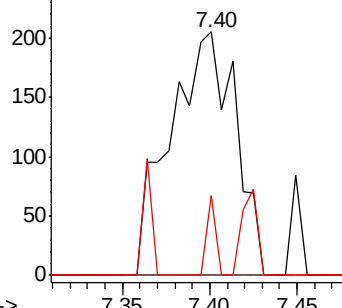
#29
Tetrahydrofuran
Concen: 1.040 ug/l
RT: 7.40 min Scan# 929
Delta R.T. 0.01 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 534
Ion Ratio Lower Upper
42 100
72 0.0 36.9 55.3#
71 4.5 34.0 51.0#

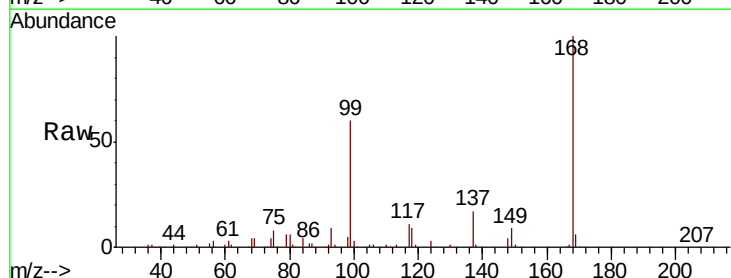


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

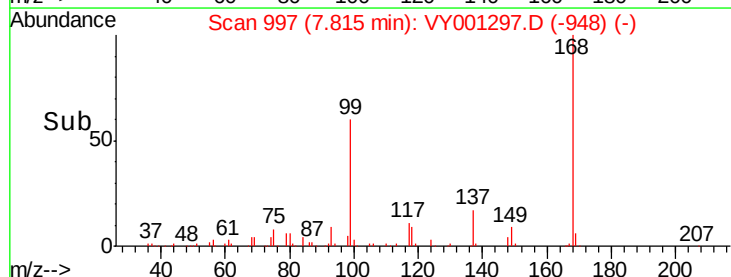
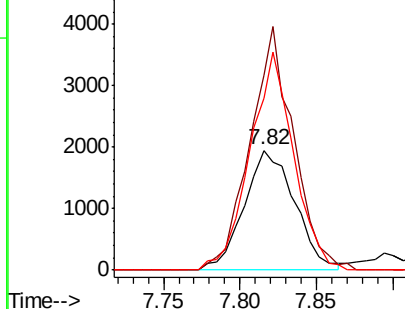


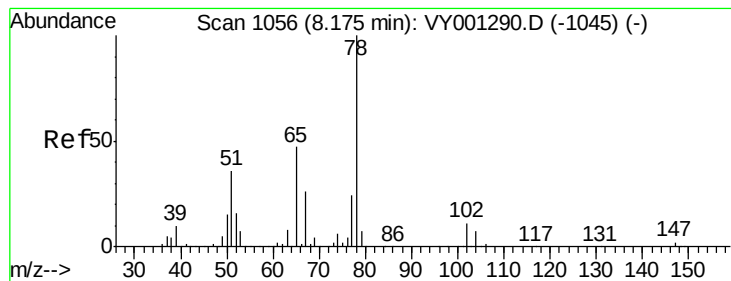
#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Tgt Ion: 56 Resp: 4475
Ion Ratio Lower Upper
56 100
69 162.8 27.8 41.8#
84 143.3 68.9 103.3#



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: 54.670 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

Instrument :

MSVOA_Y

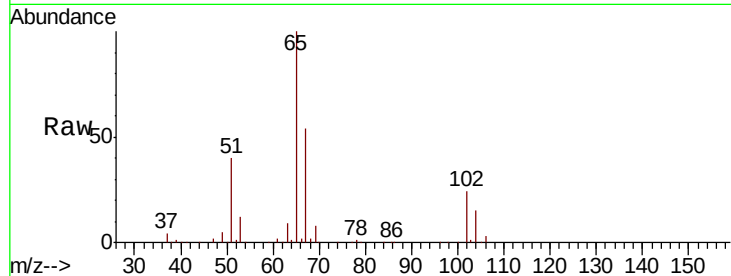
ClientSampleId :

Tot Ion: 65 Resp: 113291

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.17

50000

40000

30000

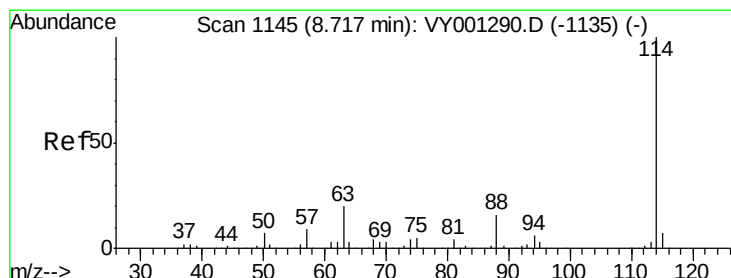
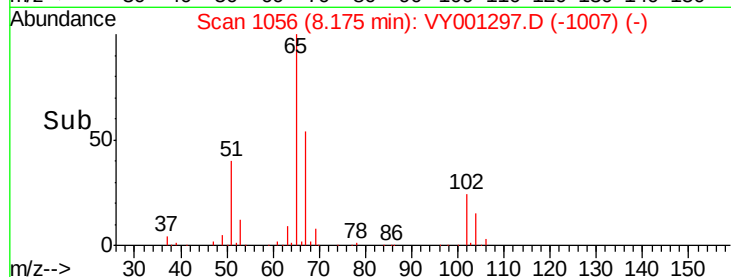
20000

10000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

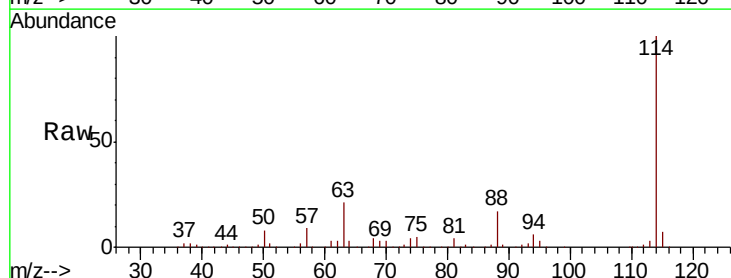
Tgt Ion: 114 Resp: 360150

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 17.0 0.0 32.4



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

8.72

250000

200000

150000

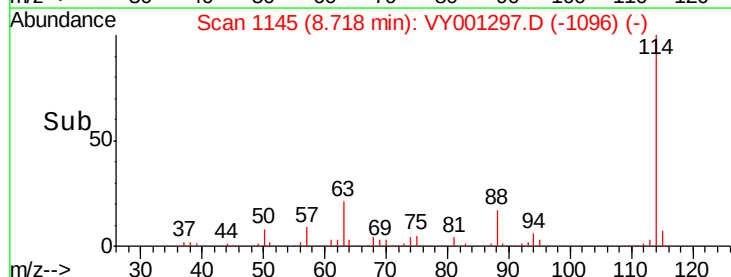
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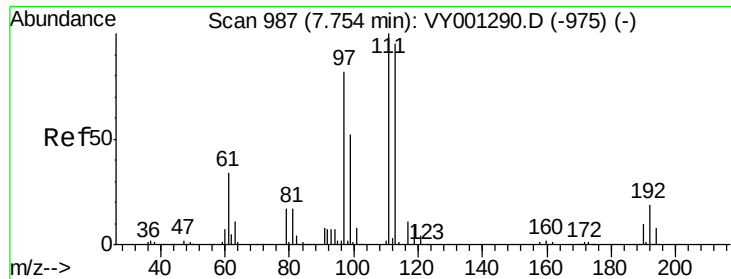
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->

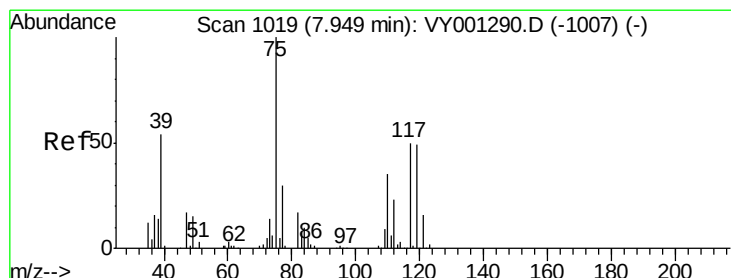
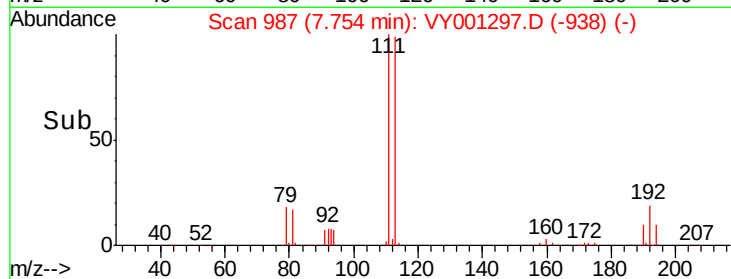
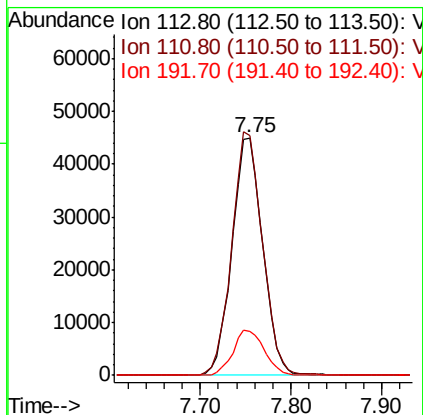
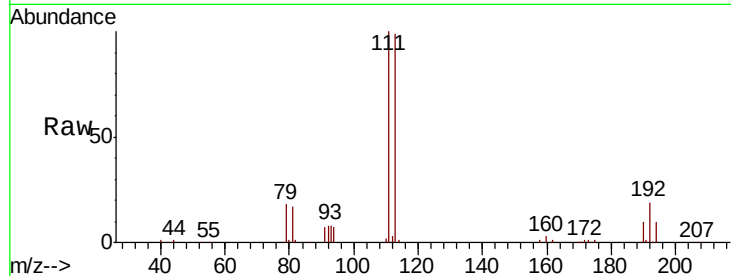




#35
 Dibromofluoromethane
 Concen: 50.469 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VY001297.D
 Acq: 20 Jan 2020 15:48

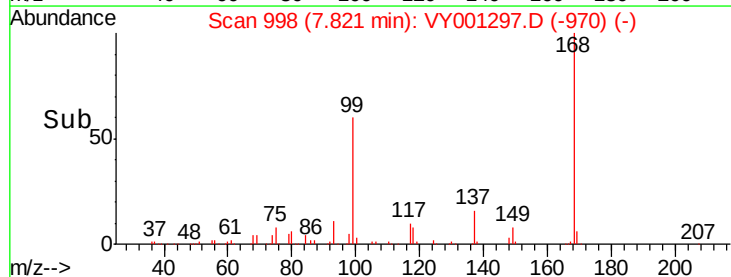
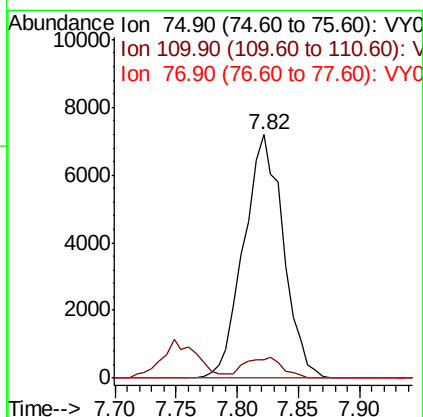
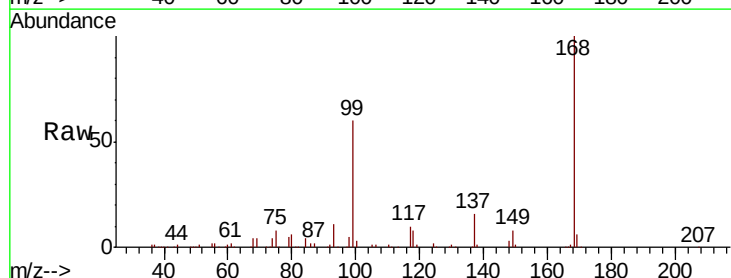
Instrument :
 MSVOA_Y
 ClientSampleId :

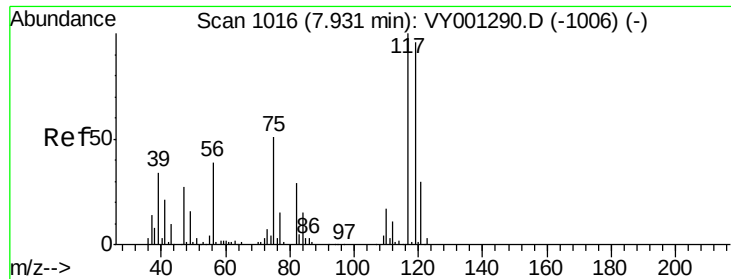
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.9	124.3
192	19.4	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.13 min
 Lab File: VY001297.D
 Acq: 20 Jan 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.3	54.8#
77	0.0	25.1	37.7#

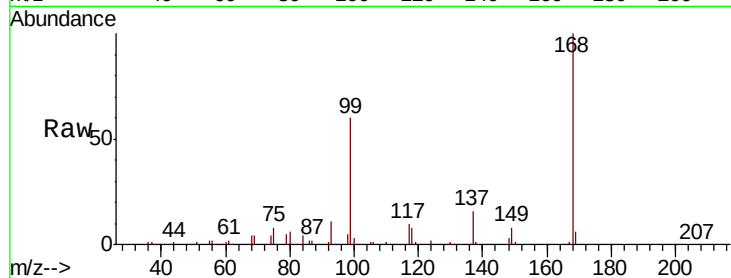




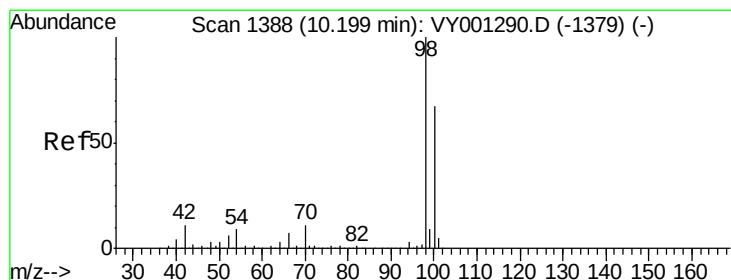
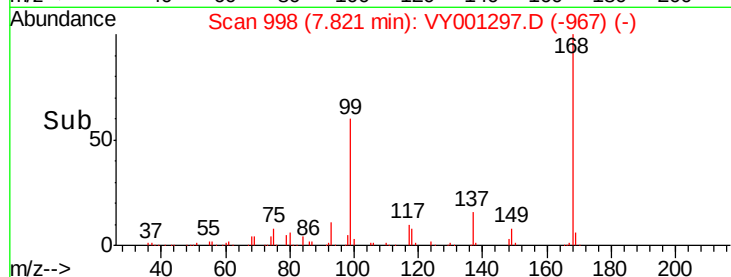
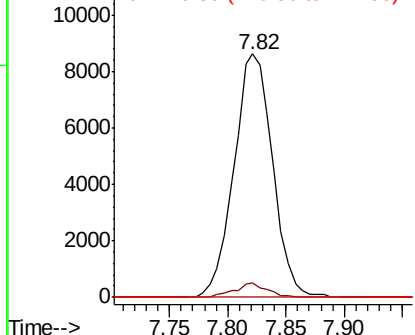
#38
Carbon Tetrachloride
Concen: 6.601 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.11 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 19857
Ion Ratio Lower Upper
117 100
119 6.1 78.3 117.5#
121 0.0 23.5 35.3#

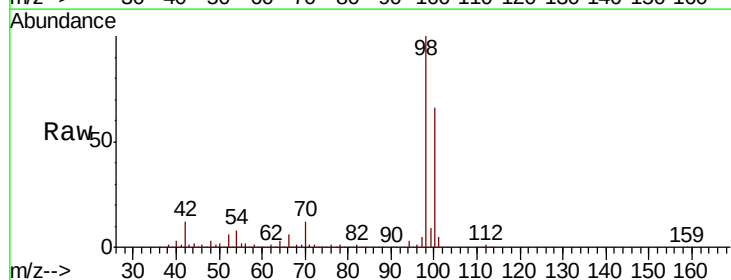


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

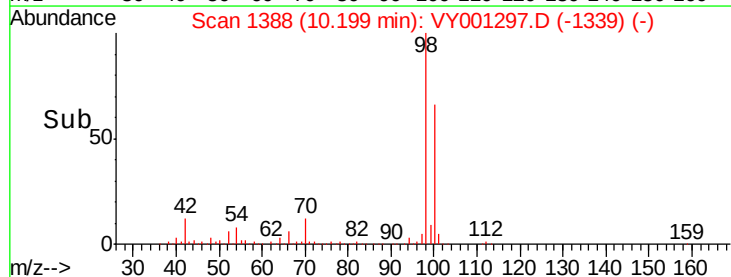
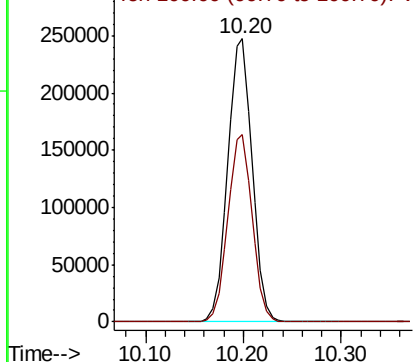


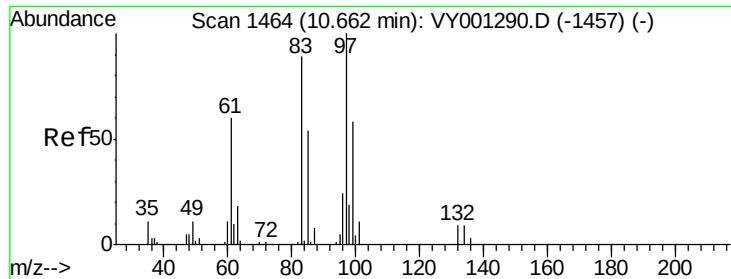
#50
Toluene-d8
Concen: 52.553 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Tgt Ion: 98 Resp: 426996
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



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

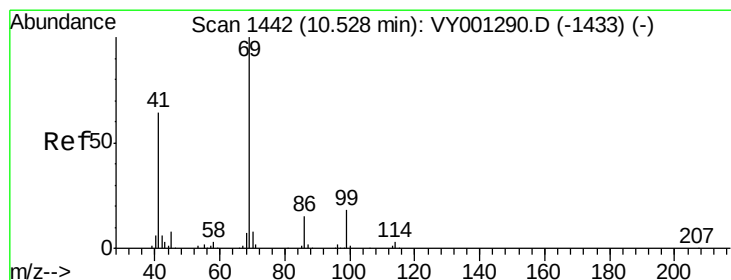
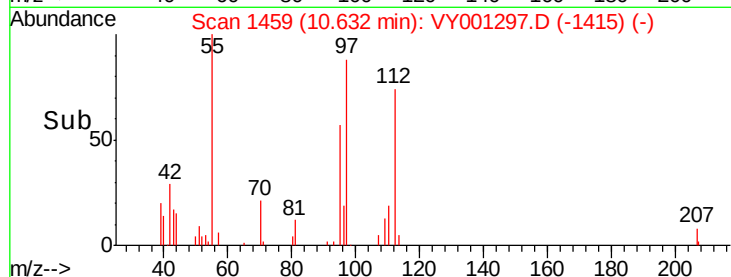
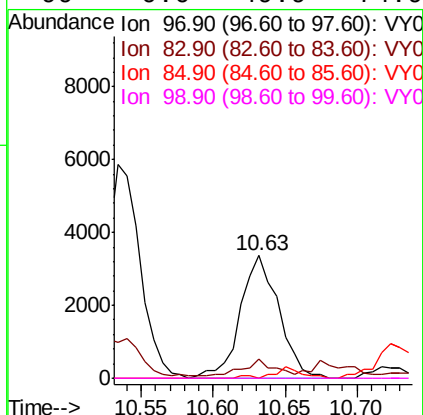
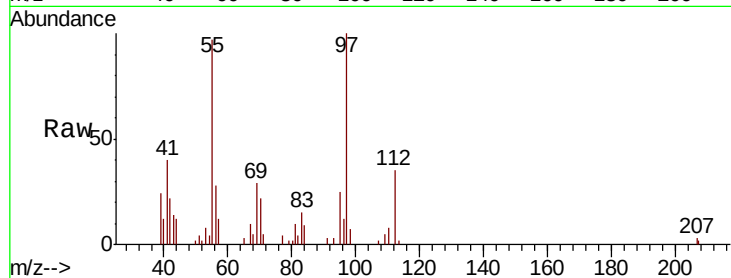




#55
 1,1,2-Trichloroethane
 Concen: 3.258 ug/l
 RT: 10.63 min Scan# 1459
 Delta R.T. -0.03 min
 Lab File: VY001297.D
 Acq: 20 Jan 2020 15:48

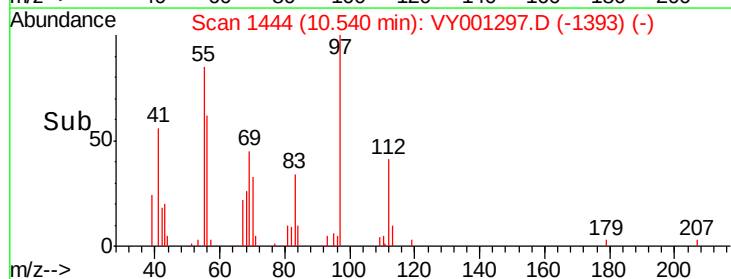
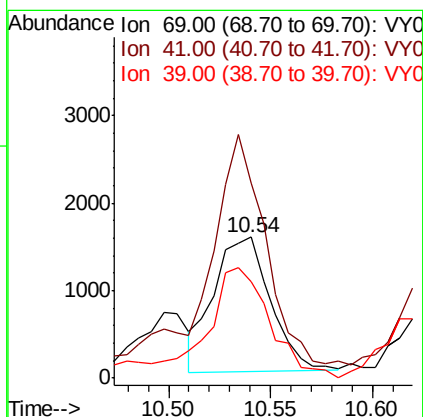
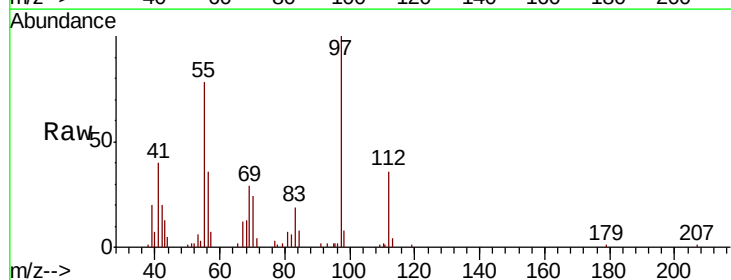
Instrument :
 MSVOA_Y
 ClientSampled :

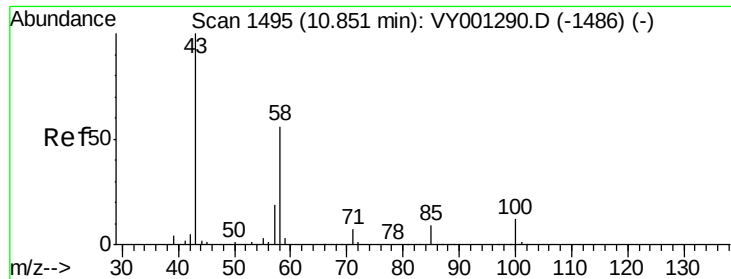
Tot Ion: 97 Resp: 6243
 Ion Ratio Lower Upper
 97 100
 83 12.9 67.2 100.8#
 85 0.0 44.9 67.3#
 99 0.0 49.9 74.9#



#56
 Ethyl methacrylate
 Concen: 1.020 ug/l
 RT: 10.54 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VY001297.D
 Acq: 20 Jan 2020 15:48

Tgt Ion: 69 Resp: 2989
 Ion Ratio Lower Upper
 69 100
 41 166.1 51.4 77.2#
 39 99.8 26.3 39.5#

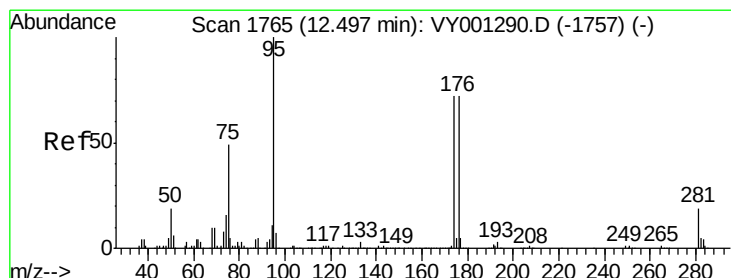
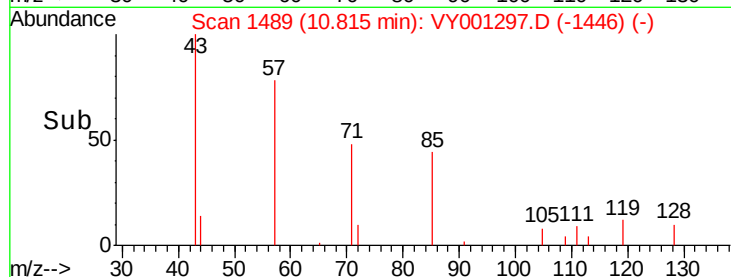
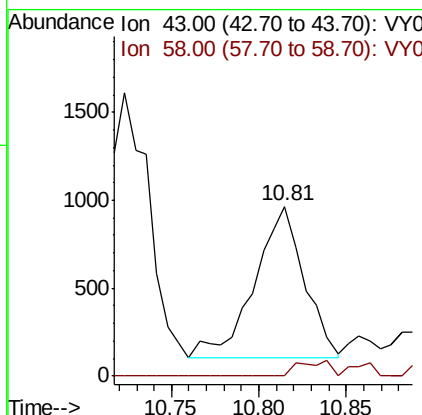
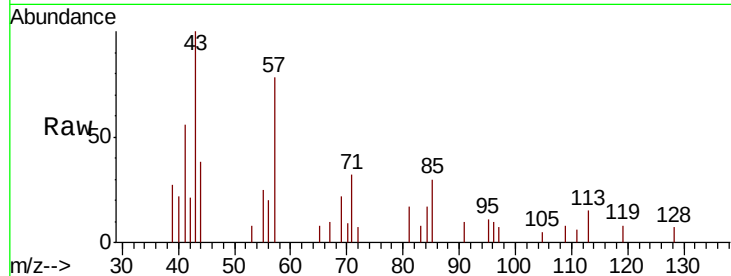




#59
2-Hexanone
Concen: 1.291 ug/l
RT: 10.81 min Scan# 1489
Delta R.T. -0.04 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

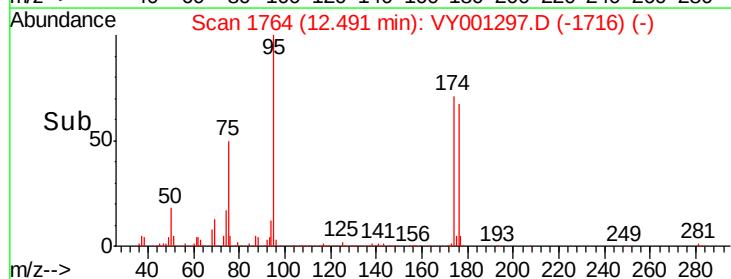
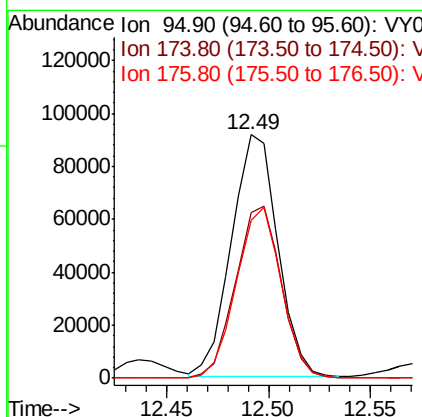
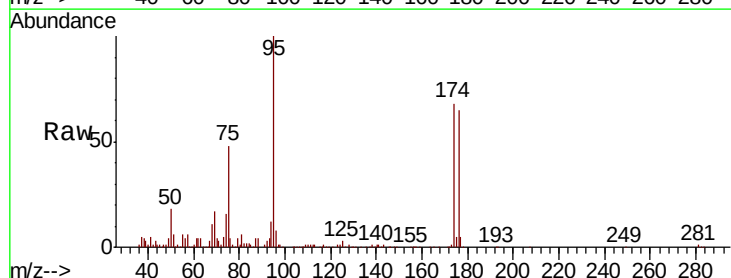
Instrument :
MSVOA_Y
ClientSampleId :

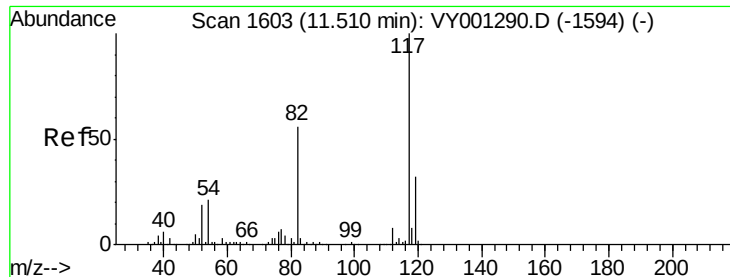
Tot Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 43.145 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.01 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Tgt Ion: 95 Resp: 143319
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.2
176 68.9 0.0 136.0

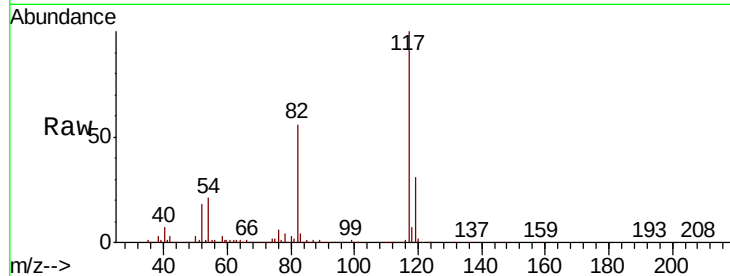




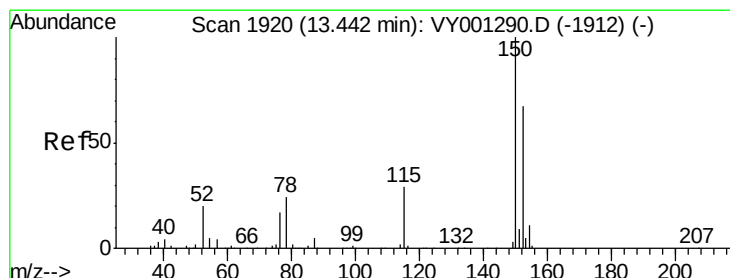
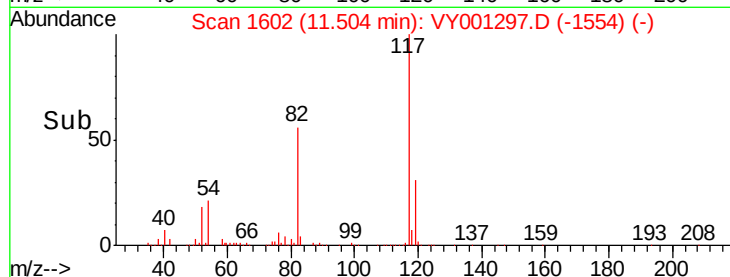
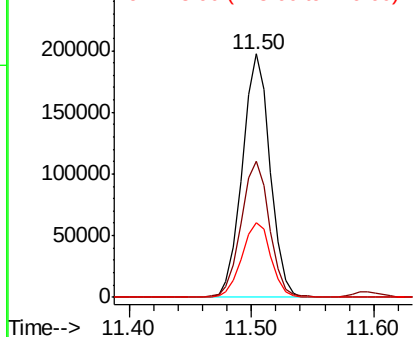
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 309131
Ion Ratio Lower Upper
117 100
82 55.3 44.9 67.3
119 30.6 25.7 38.5

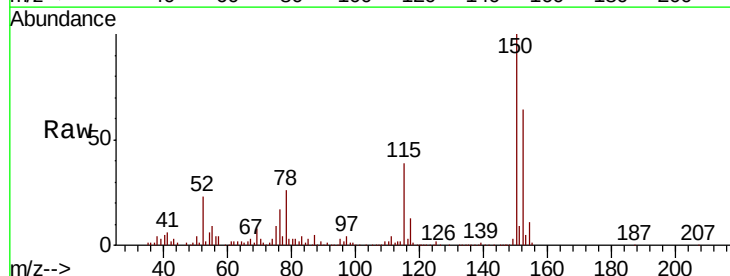


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

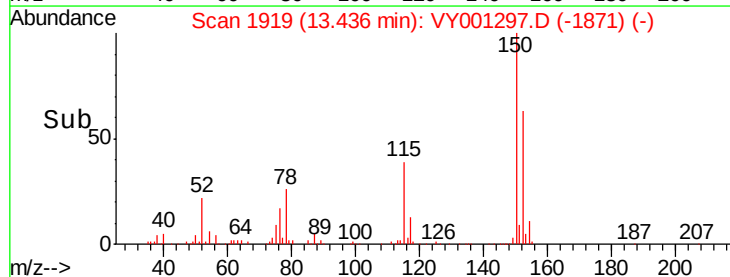
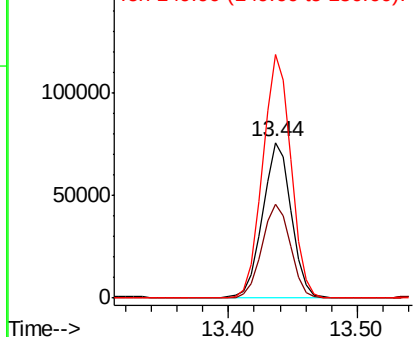


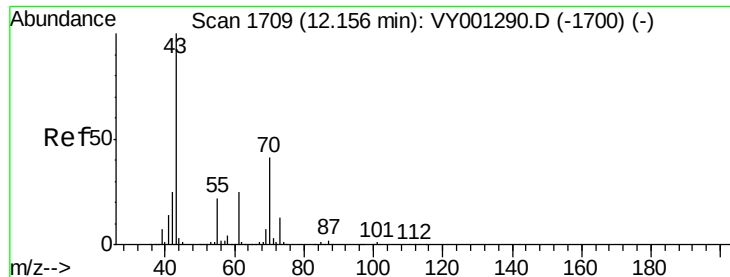
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VY001297.D
Acq: 20 Jan 2020 15:48

Tgt Ion:152 Resp: 116870
Ion Ratio Lower Upper
152 100
115 59.9 30.9 92.5
150 153.5 0.0 346.8



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





#74

N-amvl acetate

Concen: 5.898 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.02 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 43 Resp: 16172

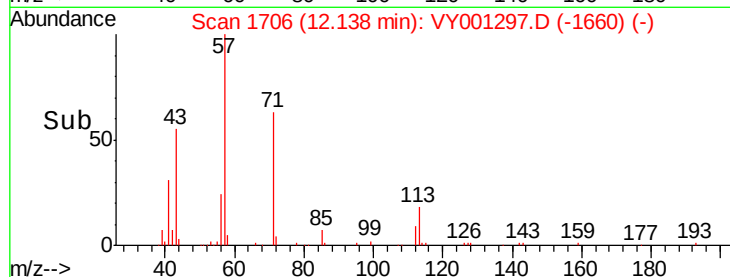
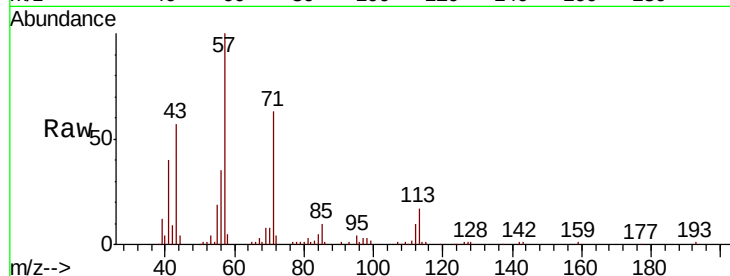
Ion Ratio Lower Upper

43 100

70 0.0 35.0 52.6#

55 0.0 18.4 27.6#

61 0.1 20.1 30.1#

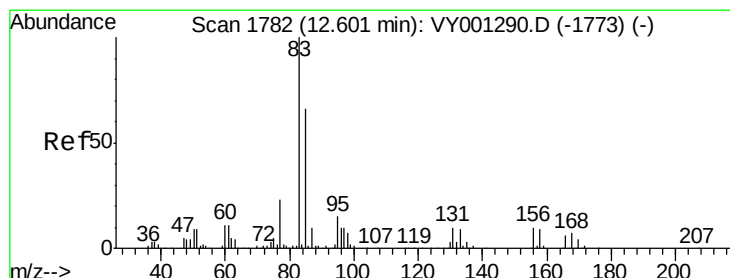
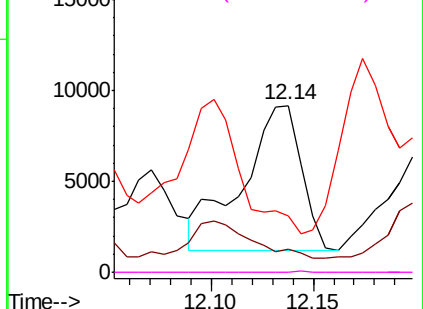


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.560 ug/l

RT: 12.56 min Scan# 1776

Delta R.T. -0.04 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

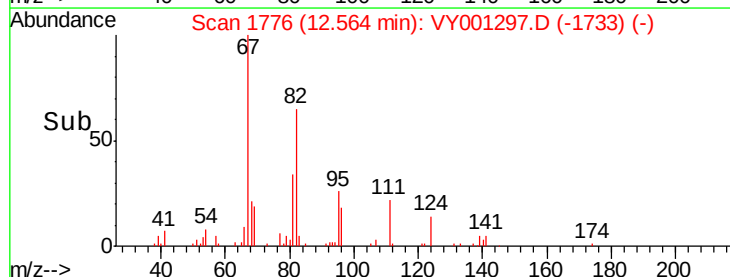
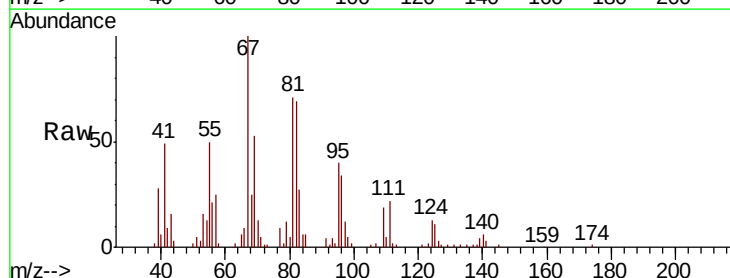
Tgt Ion: 83 Resp: 4732

Ion Ratio Lower Upper

83 100

131 1.8 5.1 15.3#

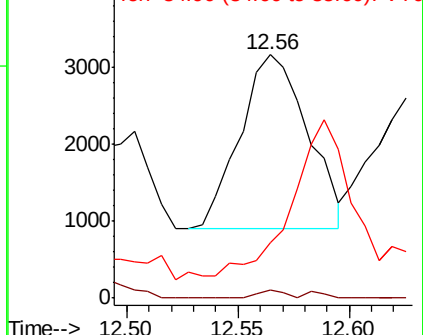
85 0.0 32.2 96.6#

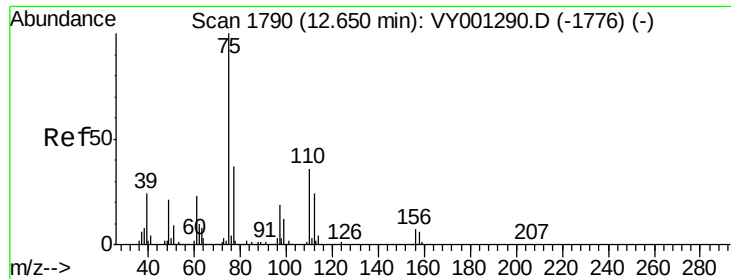


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0





#76

1,2,3-Trichloropropane

Concen: 54.740 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.16 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

Instrument :

MSVOA_Y

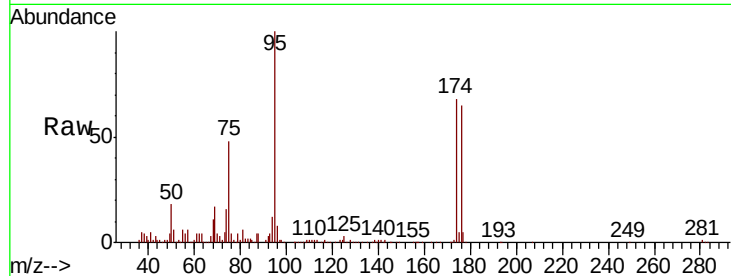
ClientSampleId :

Tot Ion: 75 Resp: 68486

Ion Ratio Lower Upper

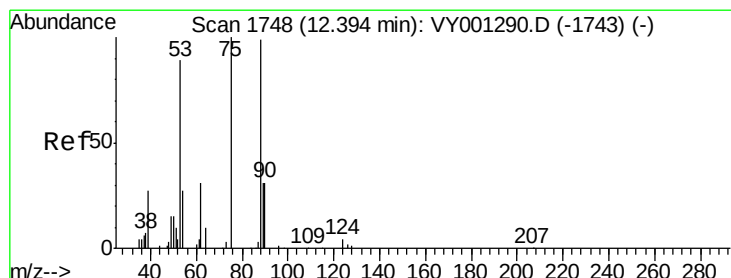
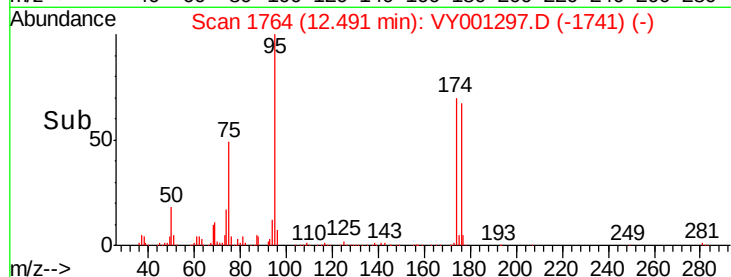
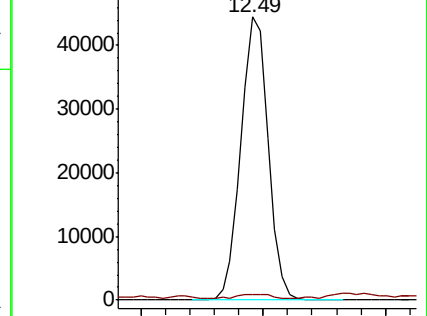
75 100

77 2.1 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: 92.828 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

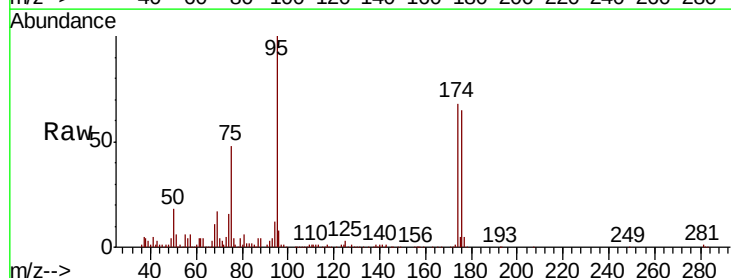
Tgt Ion: 75 Resp: 68486

Ion Ratio Lower Upper

75 100

53 2.8 69.4 104.2#

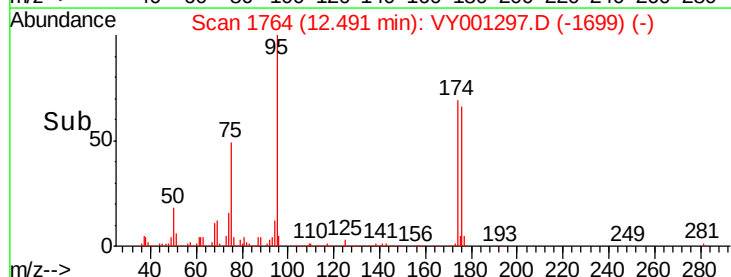
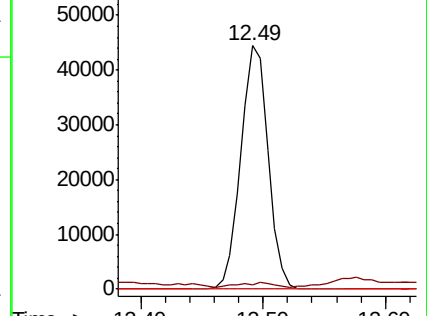
89 0.0 0.0 0.0

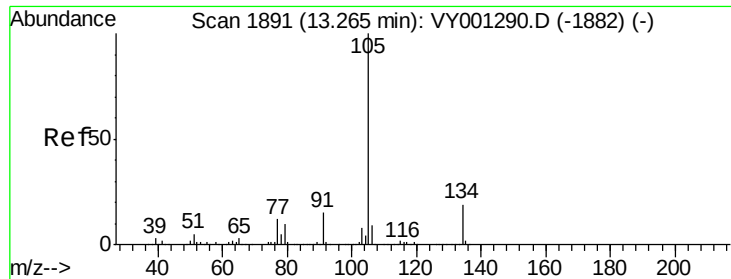


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#85

sec-Butylbenzene

Concen: 2.411 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

Instrument :

MSVOA_Y

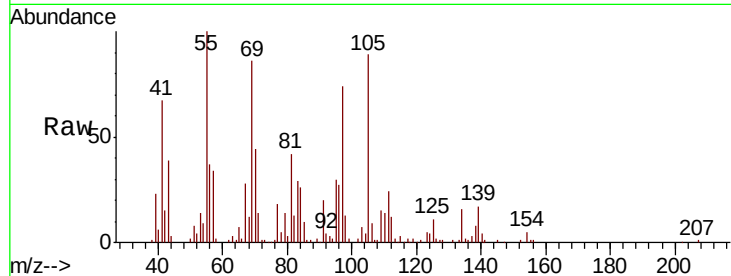
ClientSampleId :

Tot Ion:105 Resp: 21361

Ion Ratio Lower Upper

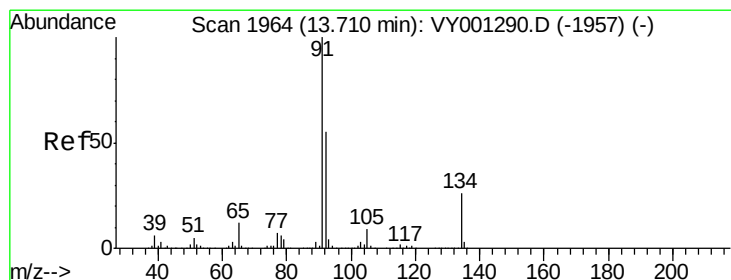
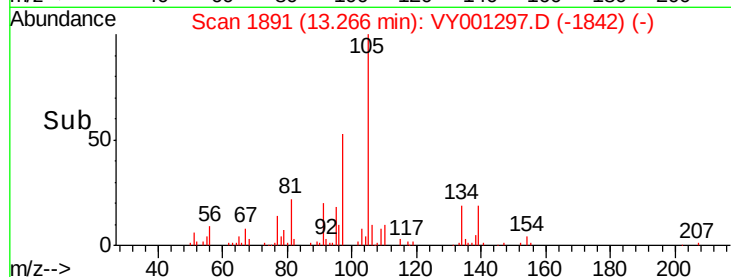
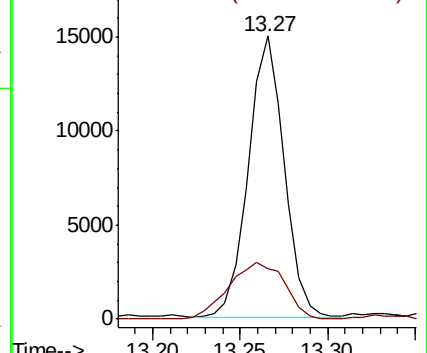
105 100

134 31.6 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 1.261 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

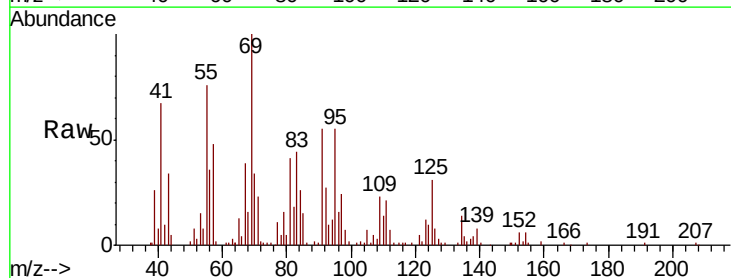
Tgt Ion: 91 Resp: 9770

Ion Ratio Lower Upper

91 100

92 50.8 27.7 83.1

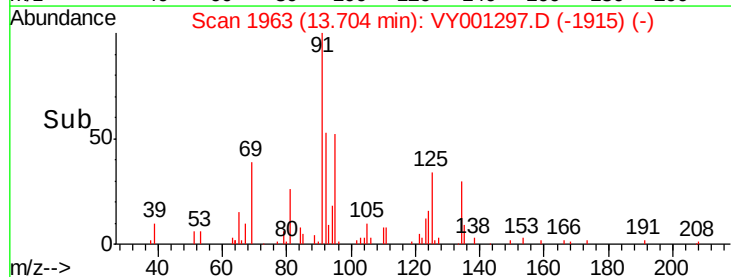
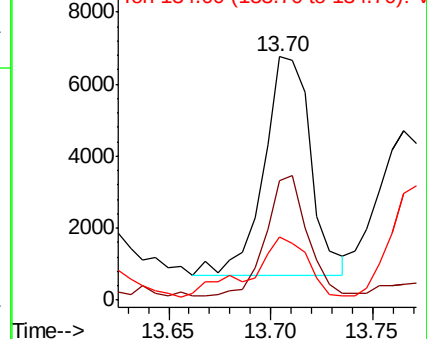
134 35.4 12.9 38.6

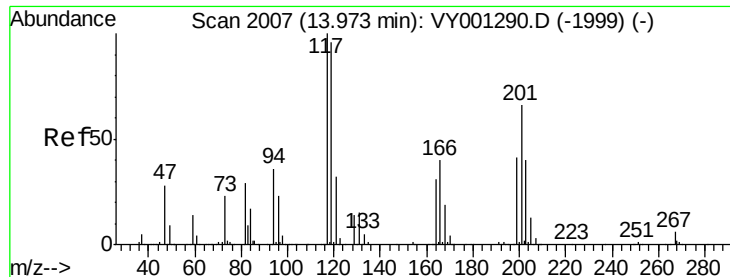


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 3.752 ug/l

RT: 13.98 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VY001297.D

Acq: 20 Jan 2020 15:48

Instrument :

MSVOA_Y

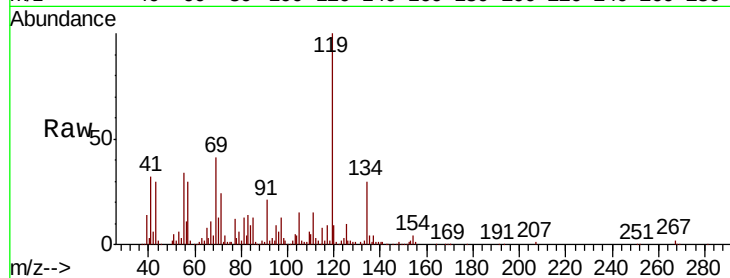
ClientSampleId :

Tot Ion:117 Resp: 5641

Ion Ratio Lower Upper

117 100

201 0.0 35.4 106.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

