

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112619\
 Data File : VY000802.D
 Acq On : 26 Nov 2019 14:35
 Operator : SY/MD
 Sample : K6054-04
 Misc : 6.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:31:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	255227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	479006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	417158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177900	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	157311	59.56	ug/l	0.00
Spiked Amount			Recovery	=	119.12%	
35) Dibromofluoromethane	7.72	113	137526	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.18	98	562515	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.48	95	187128	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

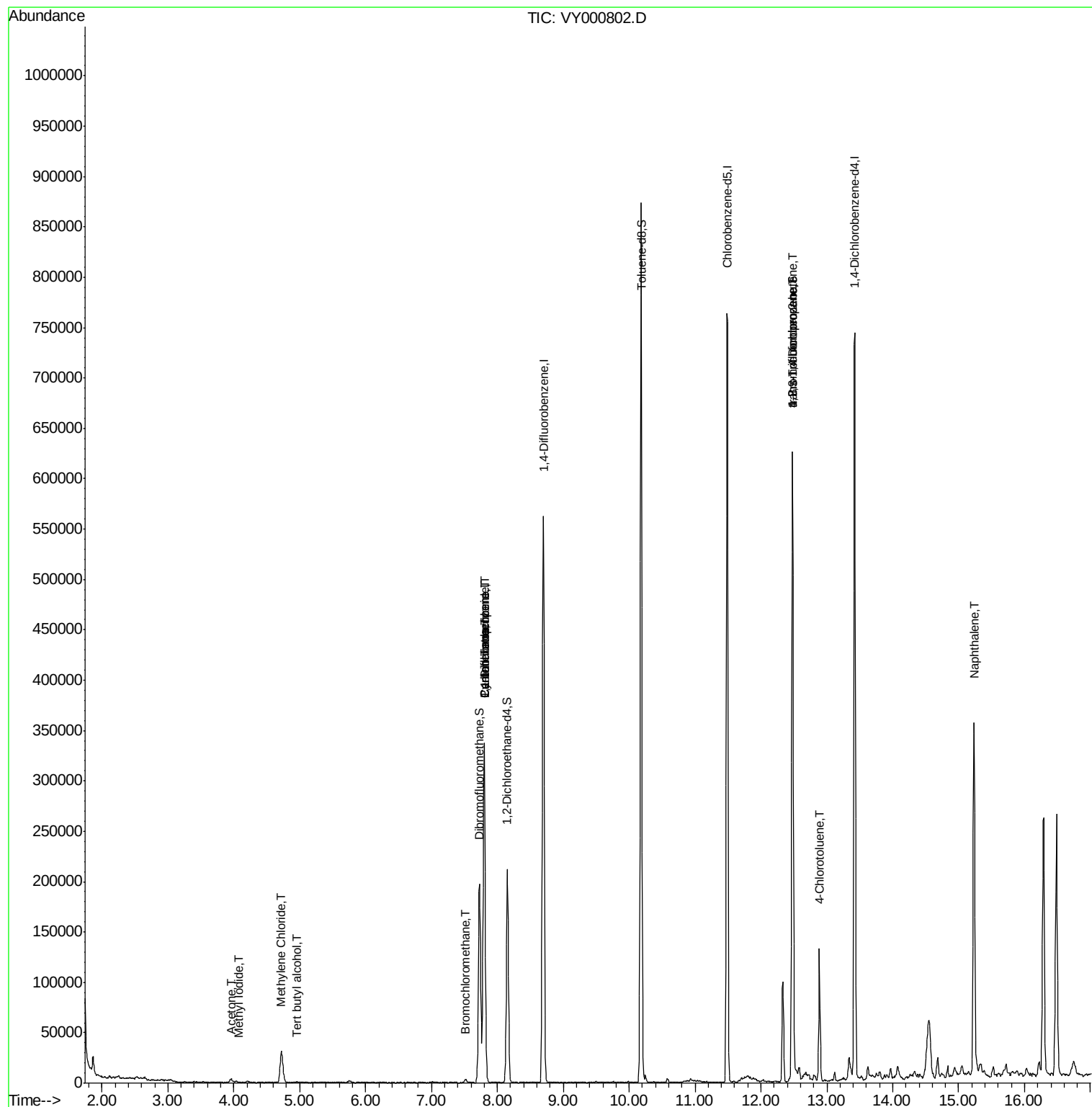
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	22	3.205	ug/l #	41
11) Tert butyl alcohol	4.96	59	414	1.610	ug/l #	91
16) Acetone	3.96	43	6675	9.169	ug/l #	87
20) Methylene Chloride	4.72	84	21631	6.935	ug/l	86
28) Bromochloromethane	7.51	49	78	4.125	ug/l #	14
31) Cyclohexane	7.80	56	6176	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21271	4.697	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25729	5.905	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	98775	48.763	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	98775	109.332	ug/l #	13
82) 4-Chlorotoluene	12.89	91	14709	1.611	ug/l #	39
95) Naphthalene	15.23	128	262395	32.761	ug/l	98

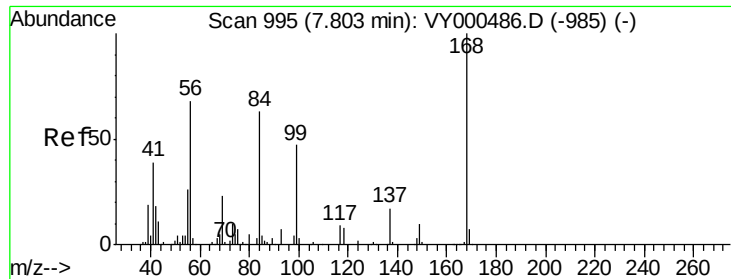
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

Instrument :

MSVOA_Y

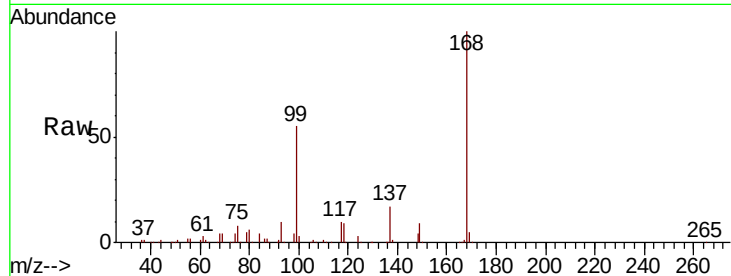
ClientSampleId :

Tot Ion:168 Resp: 255227

Ion Ratio Lower Upper

168 100

99 55.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

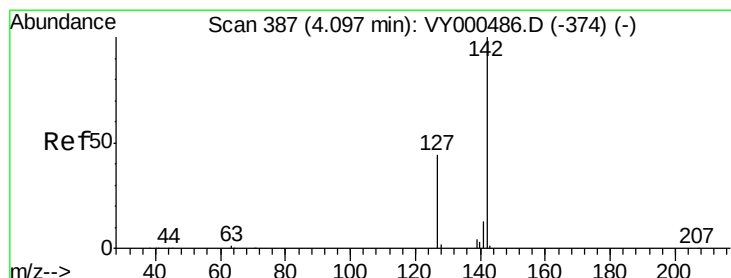
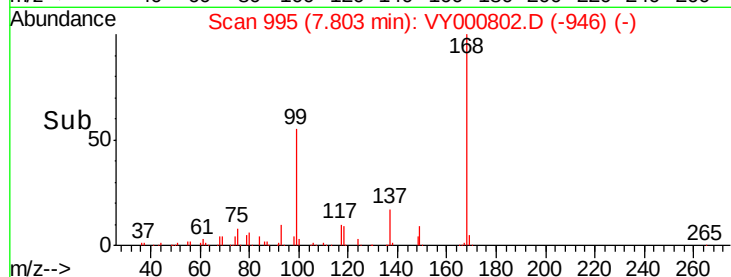
7.80

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.205 ug/l

RT: 4.08 min Scan# 384

Delta R.T. -0.02 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

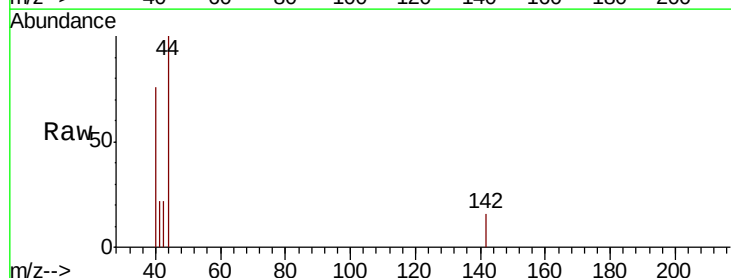
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

120

100

80

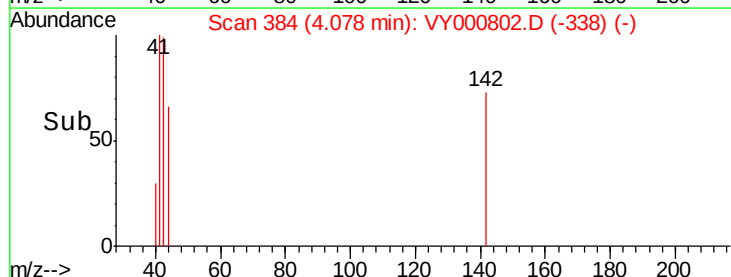
60

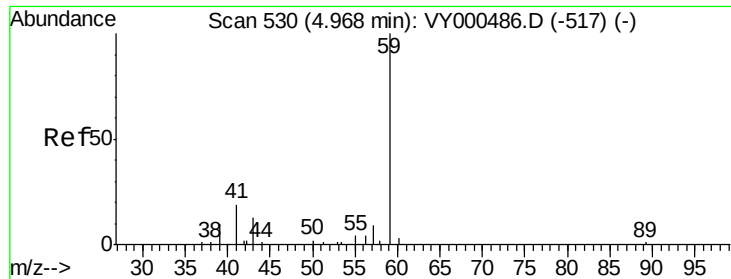
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20

0

Time-->

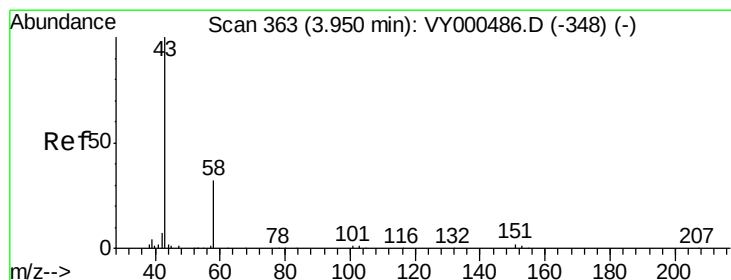
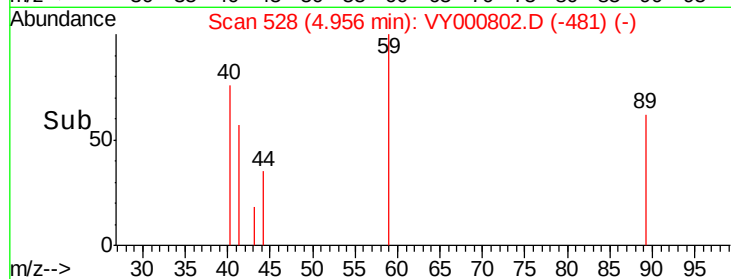
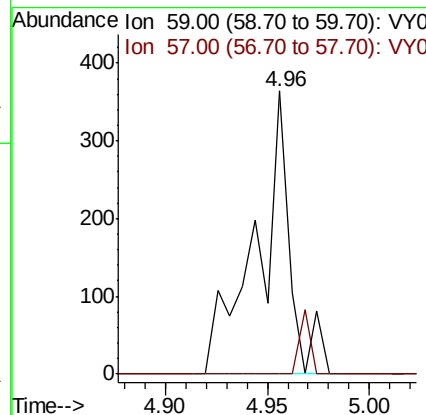
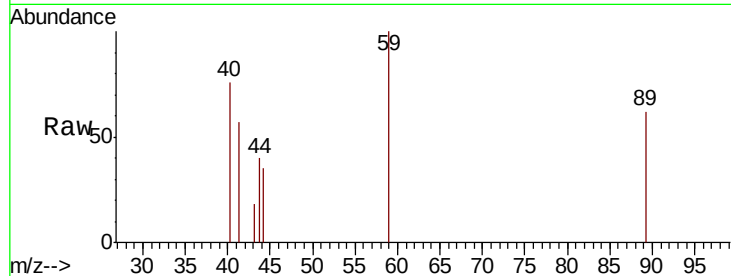




#11
Tert butyl alcohol
Concen: 1.610 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

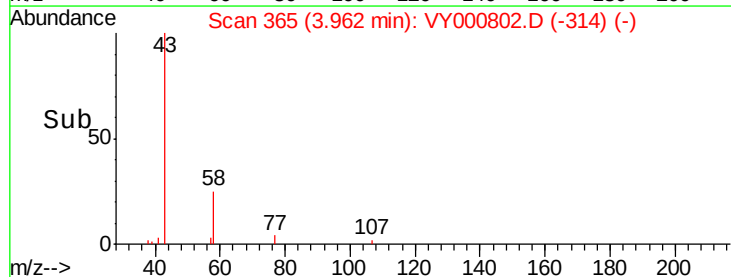
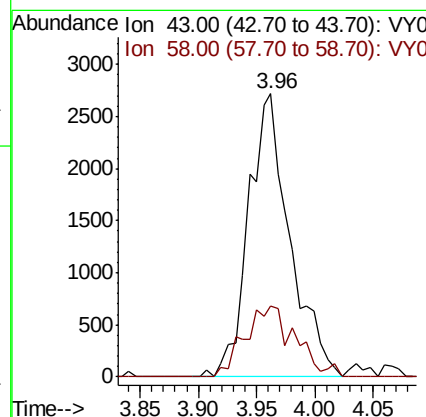
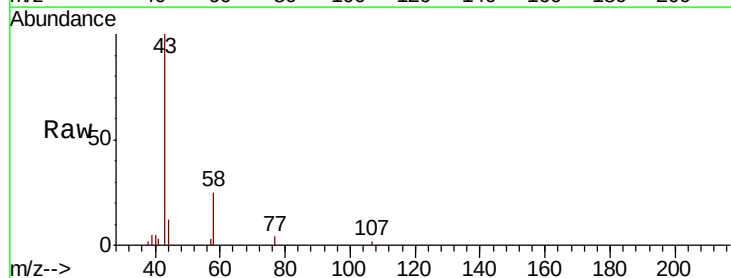
Instrument :
MSVOA_Y
ClientSampled :

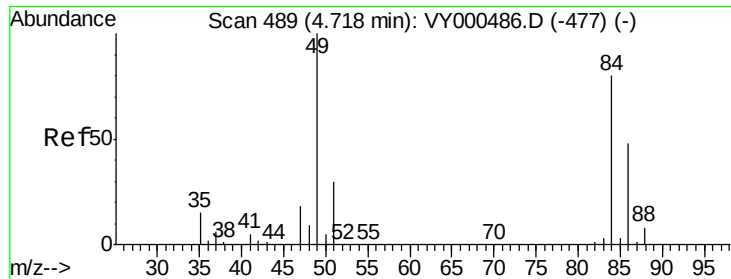
Tot Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 7.2 8.6 12.8#



#16
Acetone
Concen: 9.169 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

Tgt Ion: 43 Resp: 6675
Ion Ratio Lower Upper
43 100
58 25.2 25.8 38.6#

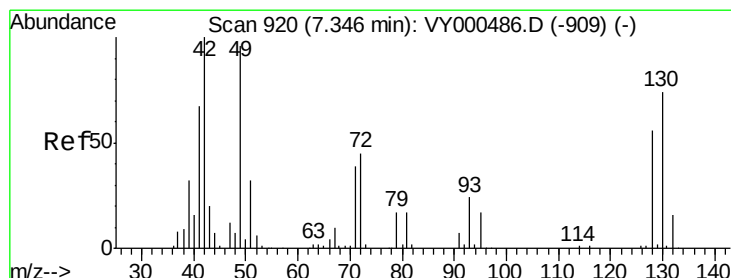
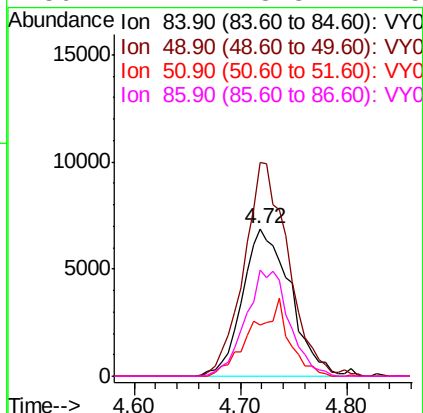
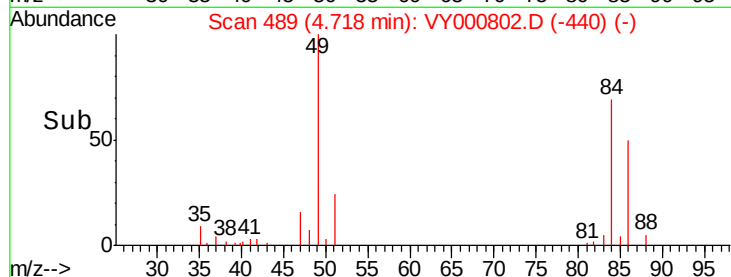
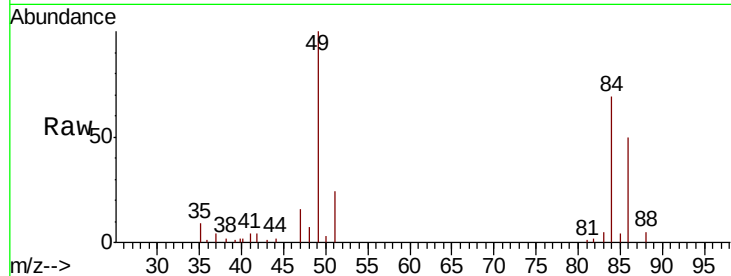




#20
Methylene Chloride
Concen: 6.935 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

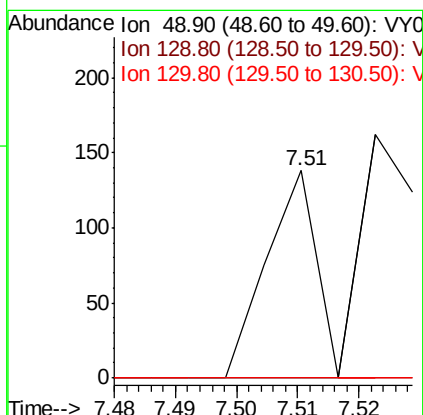
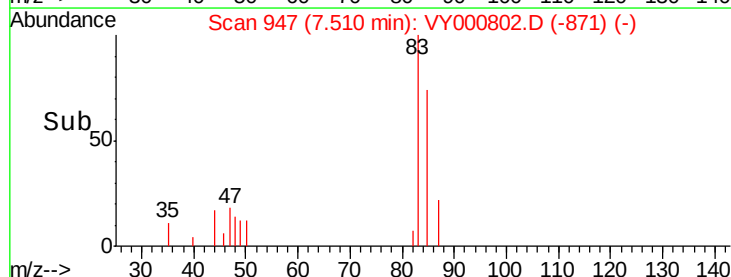
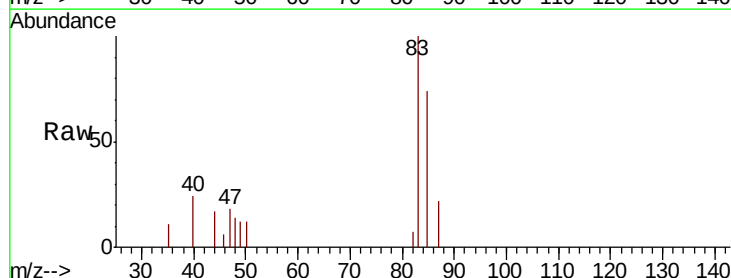
Instrument :
MSVOA_Y
ClientSampled :

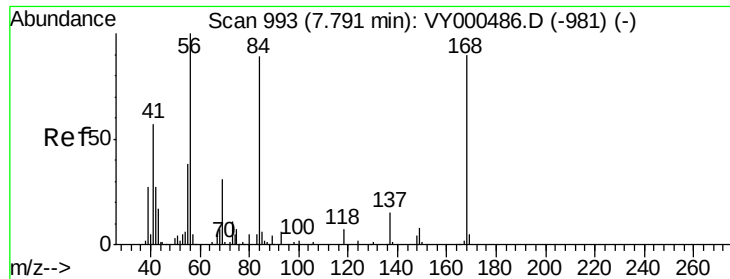
Tot Ion: 84 Resp: 21631
Ion Ratio Lower Upper
84 100
49 144.5 100.2 150.4
51 34.7 29.6 44.4
86 72.1 48.3 72.5



#28
Bromochloromethane
Concen: 4.125 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.17 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

Tgt Ion: 49 Resp: 78
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

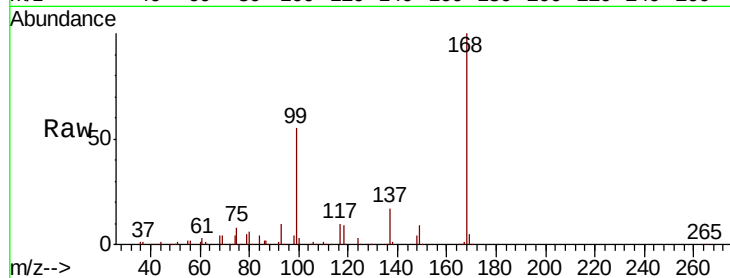




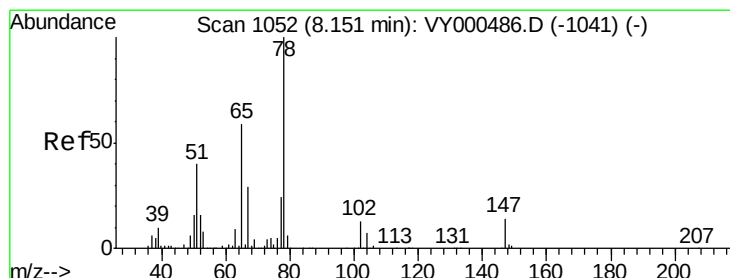
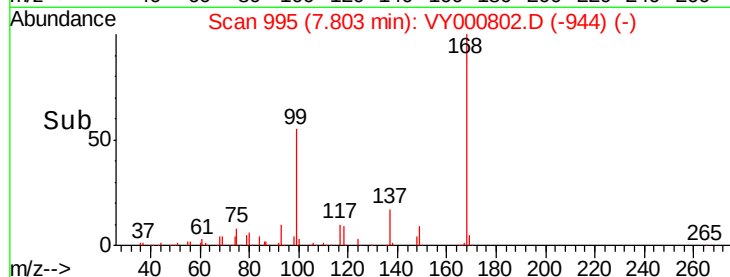
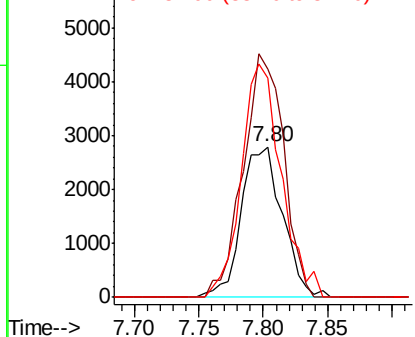
#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 6176
Ion Ratio Lower Upper
56 100
69 152.0 25.0 37.6#
84 146.1 71.4 107.2#

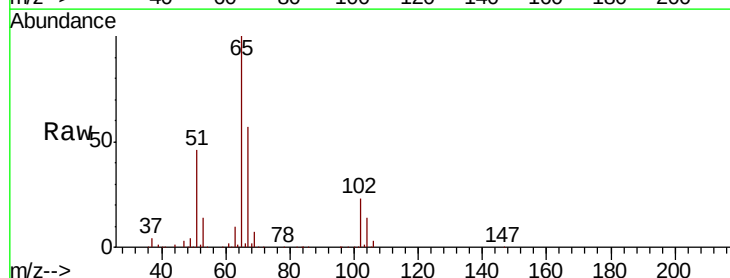


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

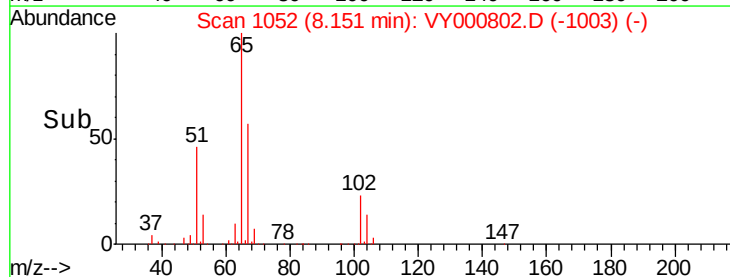
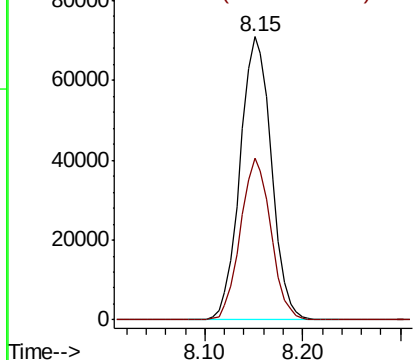


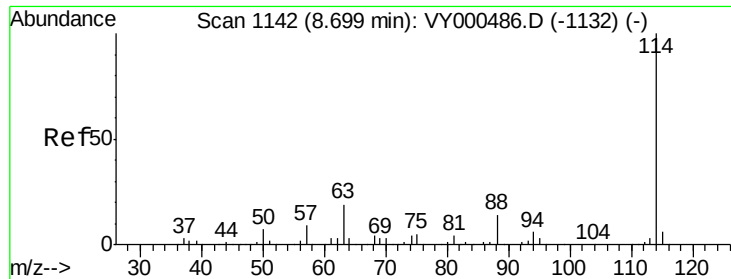
#33
1,2-Dichloroethane-d4
Concen: 59.559 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

Tgt Ion: 65 Resp: 157311
Ion Ratio Lower Upper
65 100
67 55.6 0.0 107.2



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

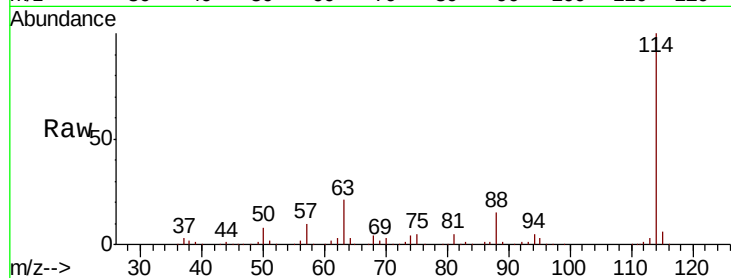




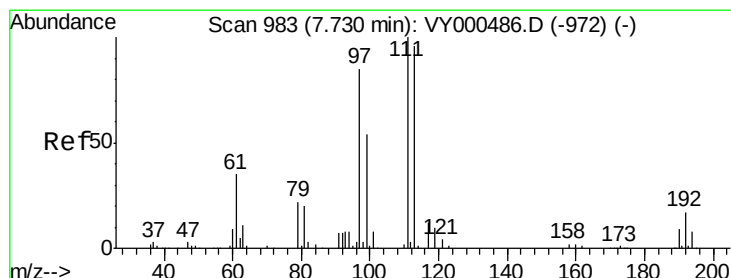
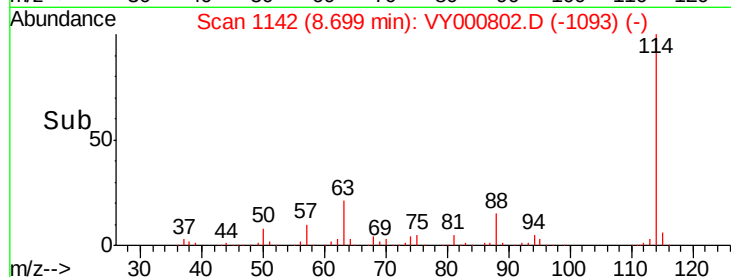
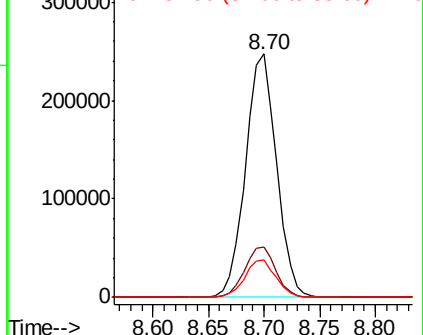
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000802.D
 Acq: 26 Nov 2019 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 479006
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.0
 88 15.3 0.0 28.6

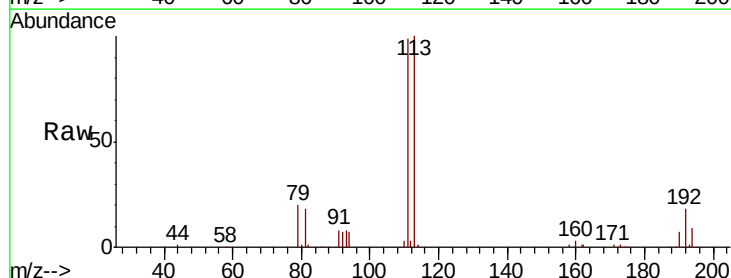


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

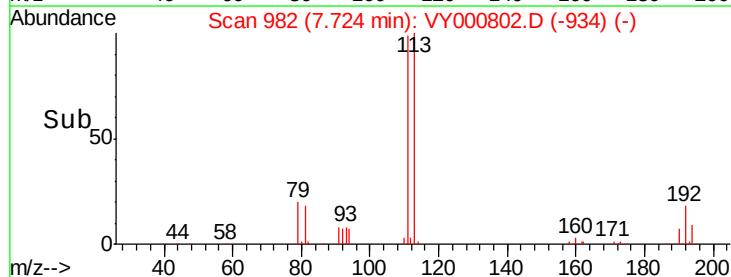
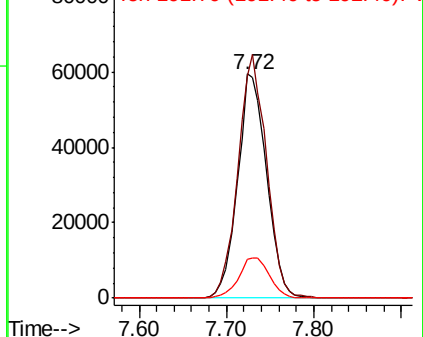


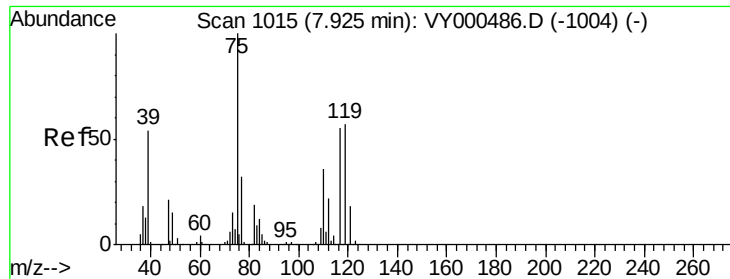
#35
 Dibromofluoromethane
 Concen: 48.905 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000802.D
 Acq: 26 Nov 2019 14:35

Tgt Ion:113 Resp: 137526
 Ion Ratio Lower Upper
 113 100
 111 106.7 81.7 122.5
 192 19.0 15.0 22.4



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

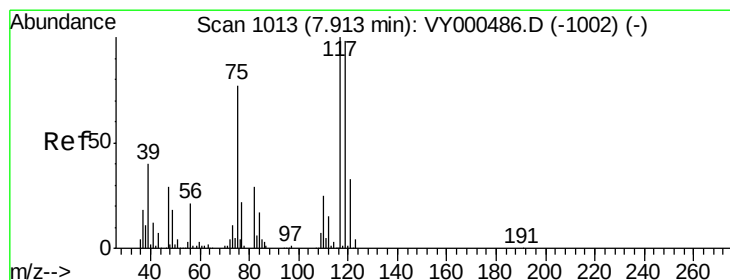
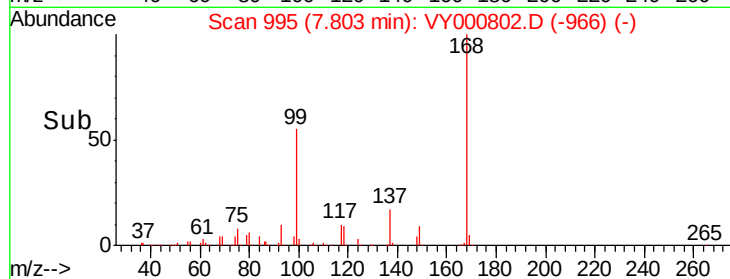
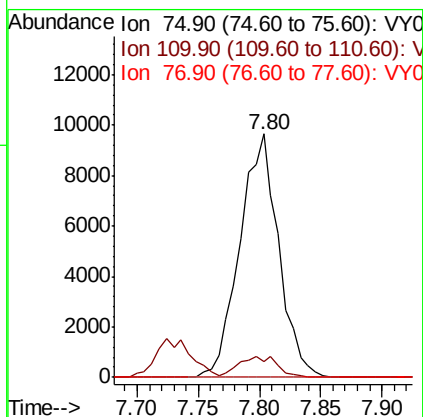
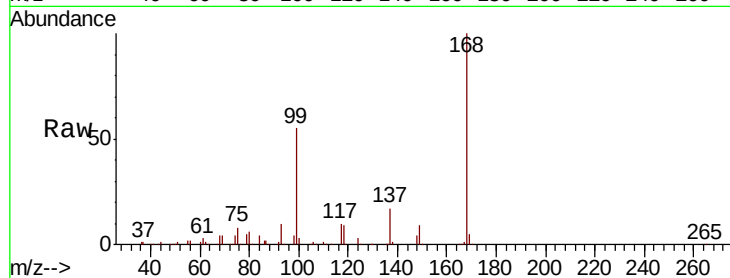




#36
 1,1-Dichloropropene
 Concen: 4.697 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000802.D
 Acq: 26 Nov 2019 14:35

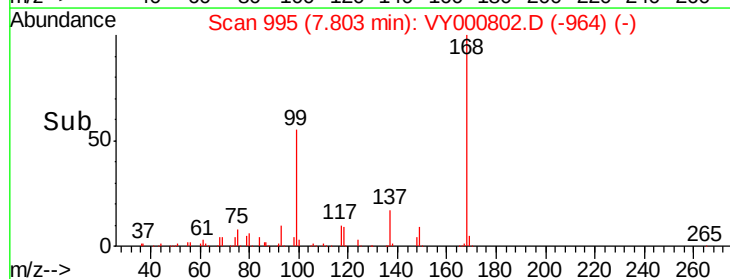
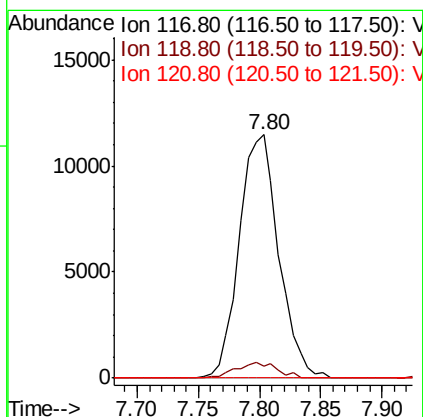
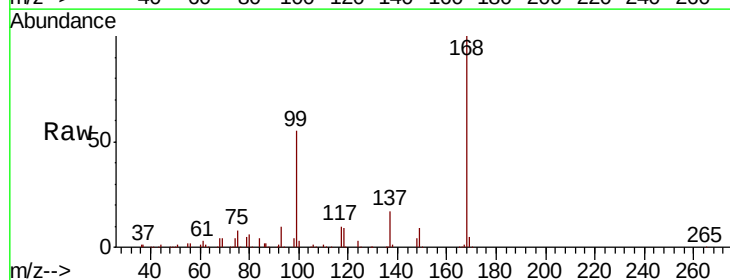
Instrument :
 MSVOA_Y
 ClientSampleId :

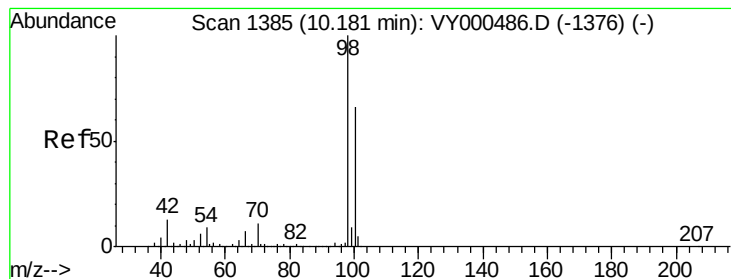
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.905 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000802.D
 Acq: 26 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 52.718 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

Instrument :

MSVOA_Y

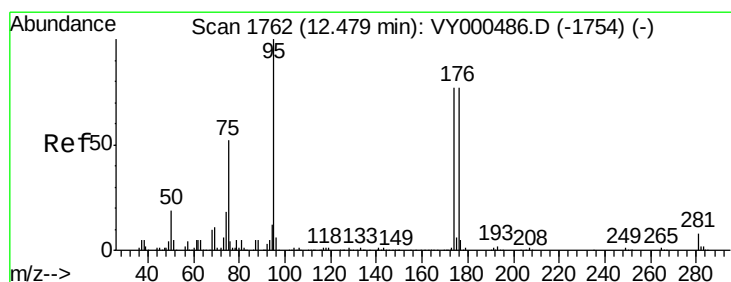
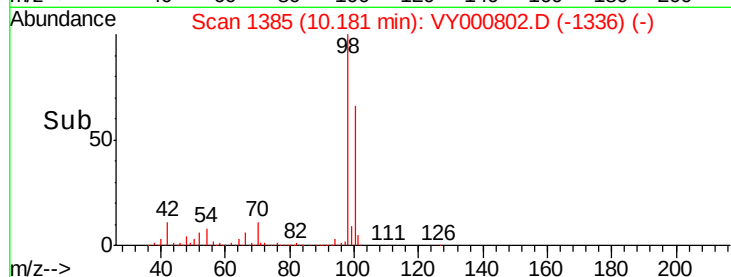
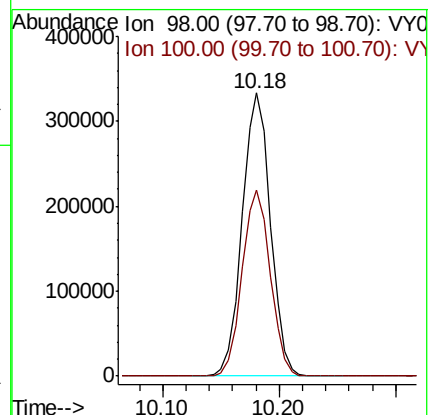
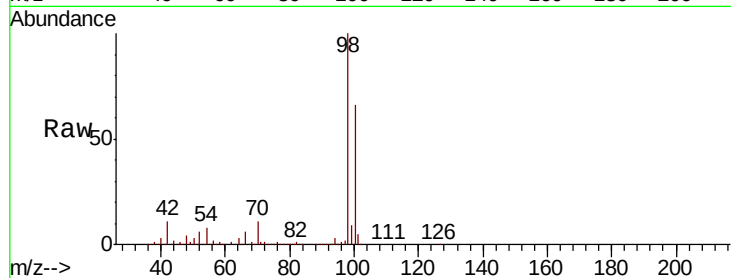
ClientSampleId :

Tot Ion: 98 Resp: 562515

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.066 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

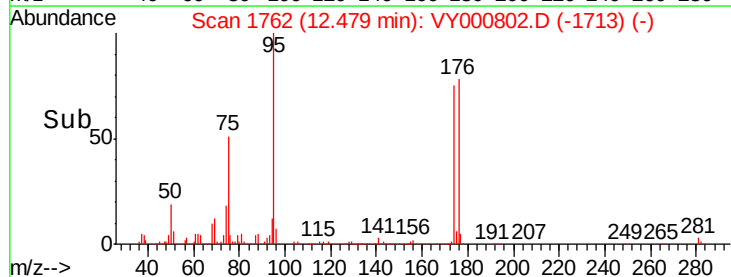
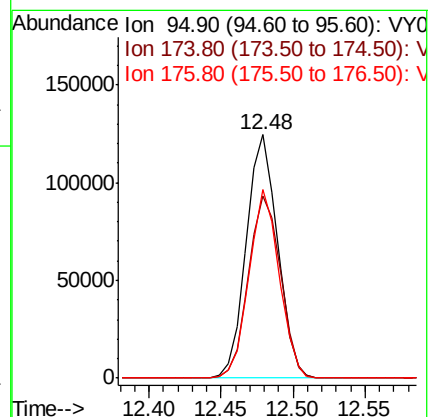
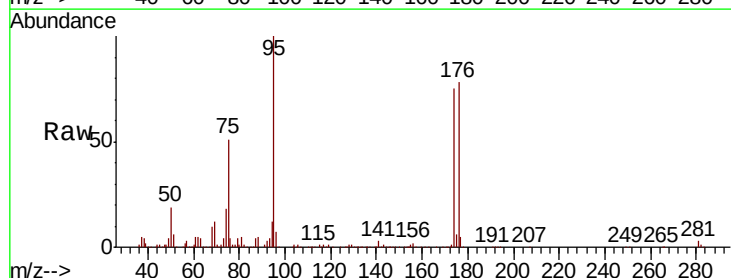
Tgt Ion: 95 Resp: 187128

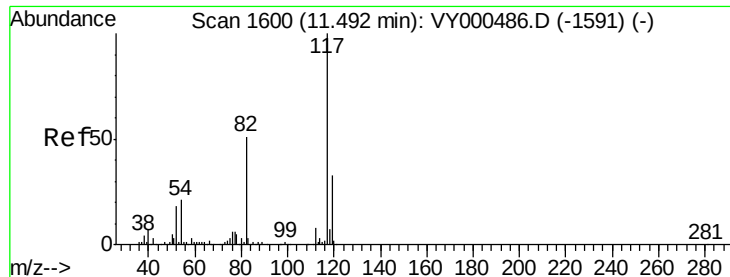
Ion Ratio Lower Upper

95 100

174 77.0 0.0 161.6

176 74.5 0.0 157.8

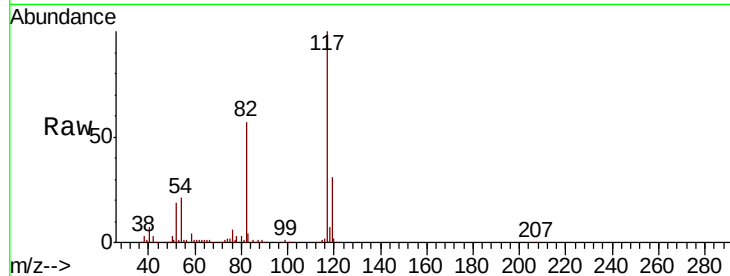




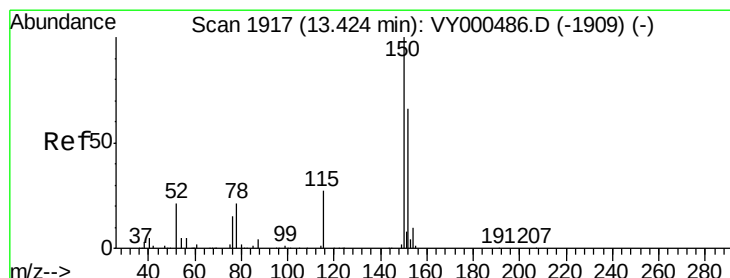
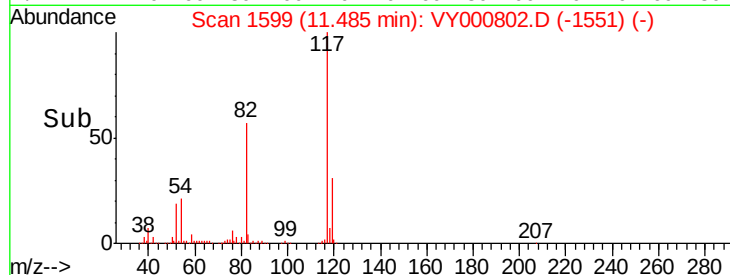
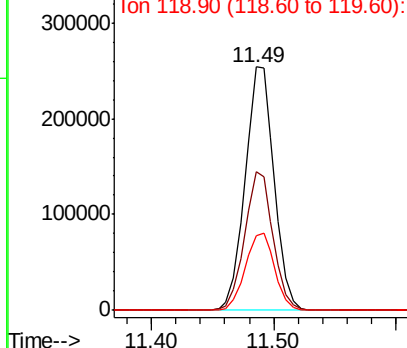
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 417158
Ion Ratio Lower Upper
117 100
82 56.8 40.8 61.2
119 30.9 26.2 39.2

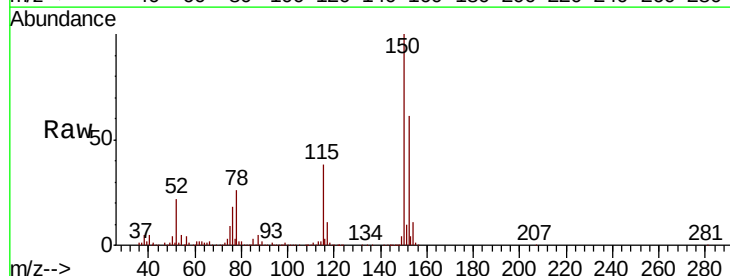


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

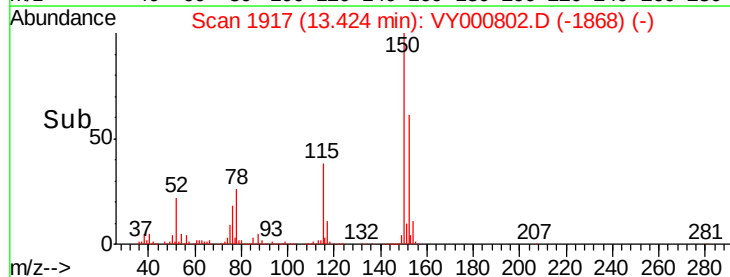
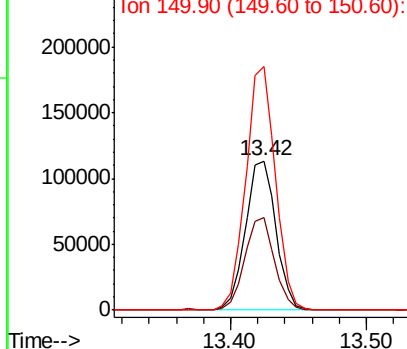


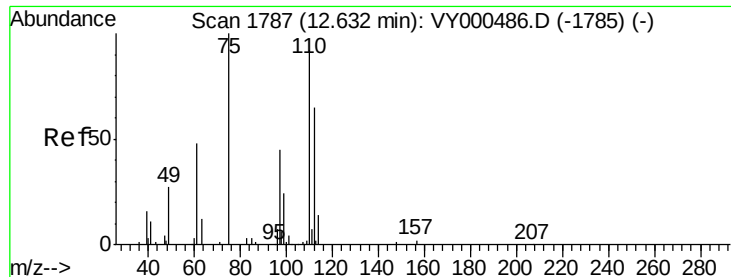
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000802.D
Acq: 26 Nov 2019 14:35

Tgt Ion:152 Resp: 177900
Ion Ratio Lower Upper
152 100
115 60.4 29.1 87.4
150 158.6 0.0 348.8



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





#76

1,2,3-Trichloropropane

Concen: 48.763 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

Instrument :

MSVOA_Y

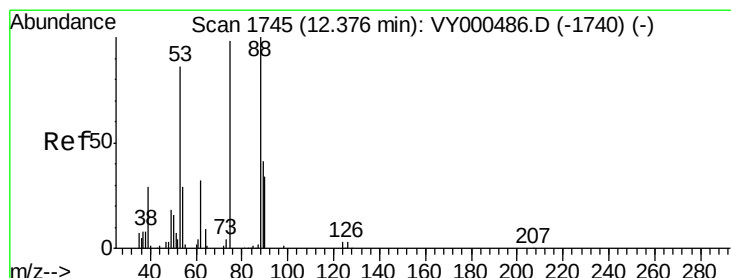
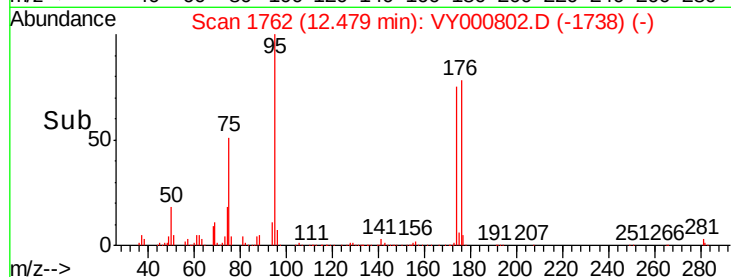
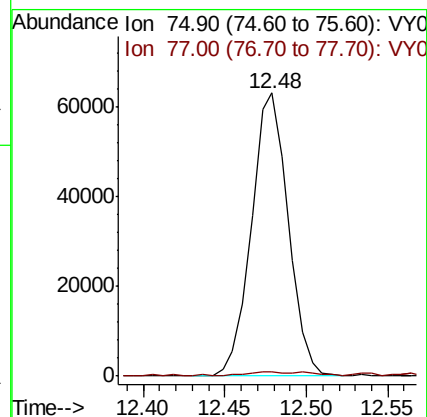
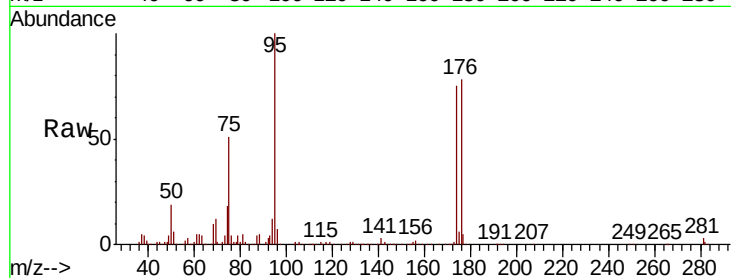
ClientSampleId :

Tot Ion: 75 Resp: 98775

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.332 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

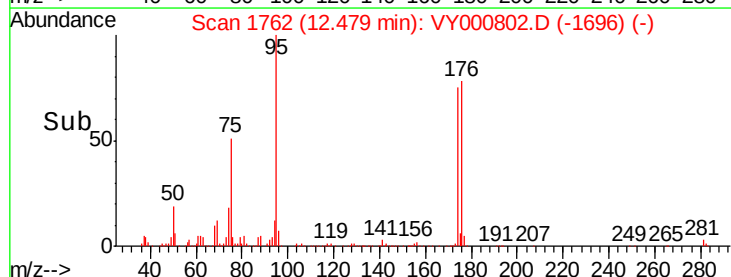
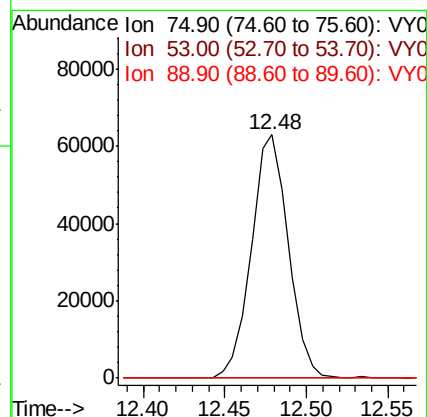
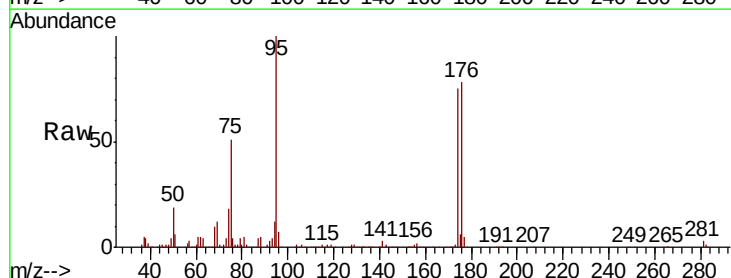
Tgt Ion: 75 Resp: 98775

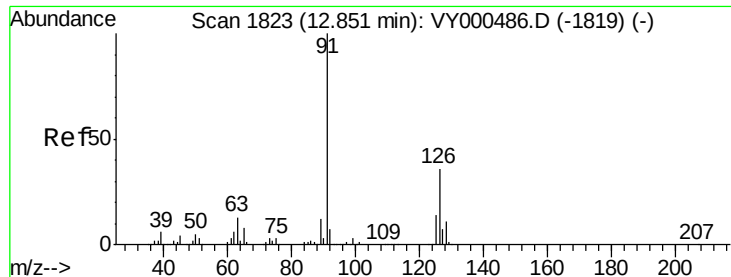
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#





#82

4-Chlorotoluene

Concen: 1.611 ug/l

RT: 12.89 min Scan# 1829

Delta R.T. 0.04 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

Instrument :

MSVOA_Y

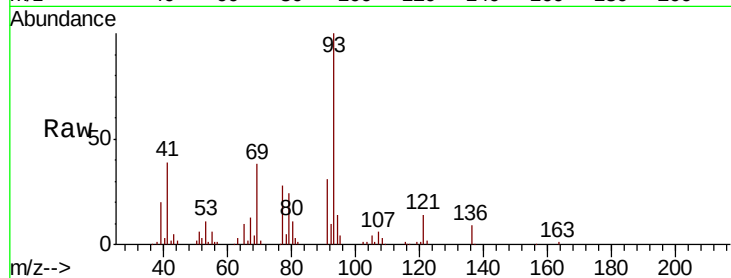
ClientSampled :

Tot Ion: 91.00 Resp: 14709

Ion Ratio Lower Upper

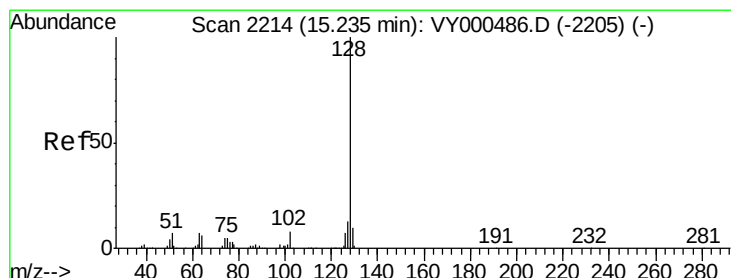
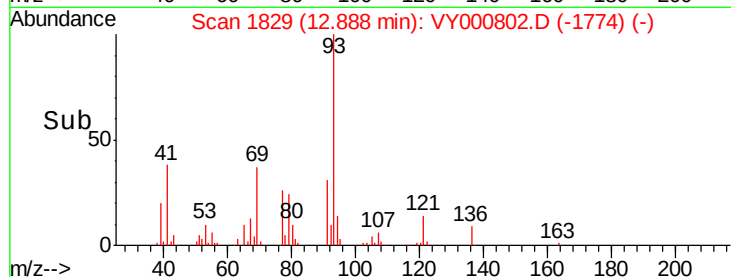
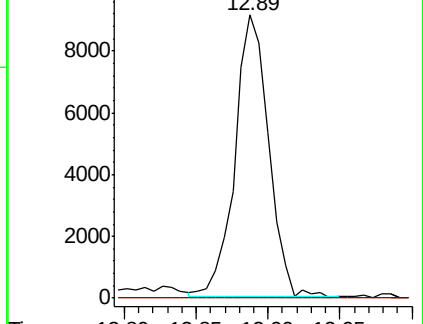
91 100

126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1819) (-)

Ion 125.90 (125.60 to 126.60): VY000486.D (-1819) (-)



#95

Naphthalene

Concen: 32.761 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000802.D

Acq: 26 Nov 2019 14:35

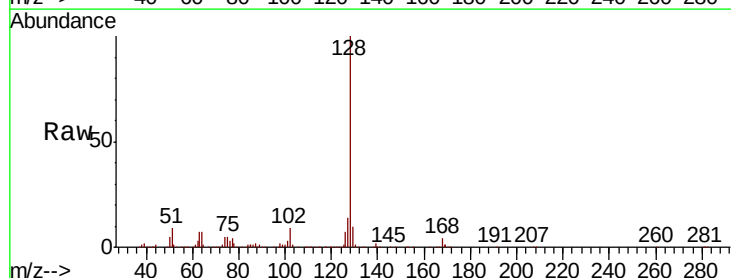
Tgt Ion: 128 Resp: 262395

Ion Ratio Lower Upper

128 100

127 13.2 9.8 14.6

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VY000486.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): VY000486.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VY000486.D (-2205) (-)

