

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000573.D
 Acq On : 07 Nov 2019 12:29
 Operator : SY/MD
 Sample : K5725-03RE
 Misc : 3.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:46:01 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	217511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	389139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	341655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149585	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	123712	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	7.73	113	112958	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.18	98	453135	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.48	95	153259	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

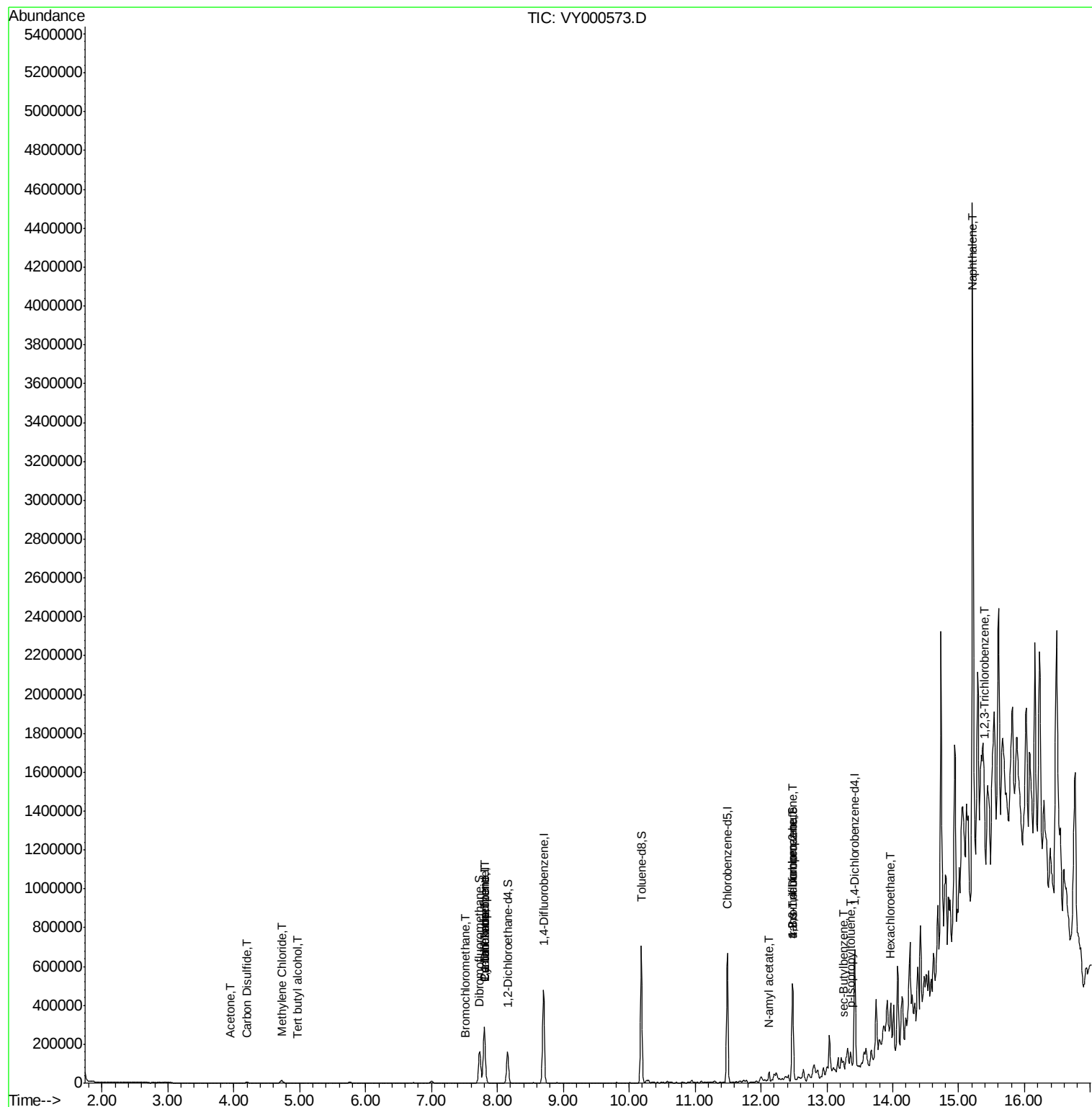
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	246	1.123	ug/l	96
16) Acetone	3.95	43	1284	2.070	ug/l #	74
17) Carbon Disulfide	4.19	76	7807	1.139	ug/l	96
20) Methylene Chloride	4.72	84	9207	3.463	ug/l	95
28) Bromochloromethane	7.50	49	44	4.114	ug/l #	14
31) Cyclohexane	7.81	56	5531	1.269	ug/l #	24
36) 1,1-Dichloropropene	7.80	75	17741	4.823	ug/l #	50
38) Carbon Tetrachloride	7.80	117	21687	6.127	ug/l #	14
74) N-amyl acetate	12.12	43	11846	3.741	ug/l #	64
76) 1,2,3-Trichloropropane	12.48	75	81549	47.879	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81549	107.351	ug/l #	13
85) sec-Butylbenzene	13.25	105	15503	1.384	ug/l	97
86) p-Isopropyltoluene	13.37	119	10418	1.044	ug/l	91
90) Hexachloroethane	13.97	117	4547	2.464	ug/l #	14
95) Naphthalene	15.21	128	23088	3.428	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.39	180	10844	3.984	ug/l #	1

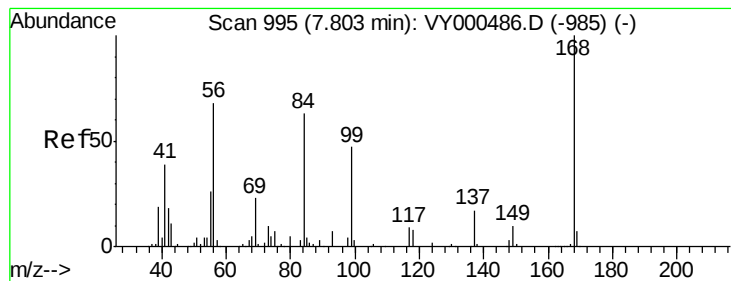
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

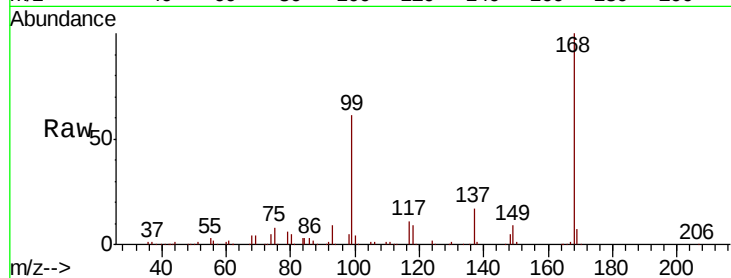
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 217511

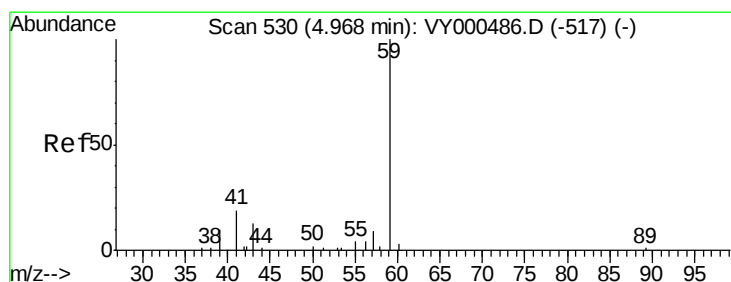
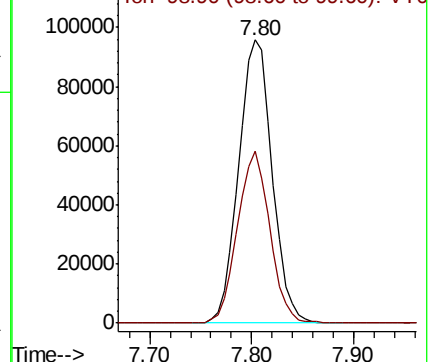
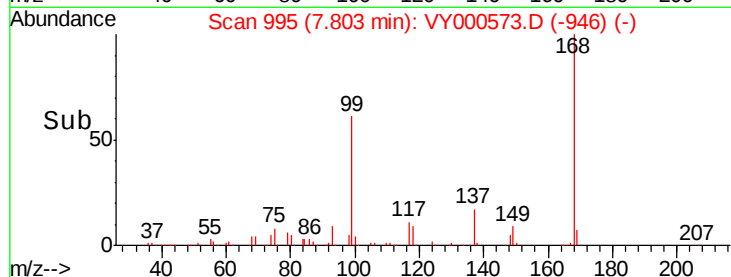
Ion Ratio Lower Upper

168 100

99 60.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000573.D (-946) (-)



#11

Tert butyl alcohol

Concen: 1.123 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY000573.D

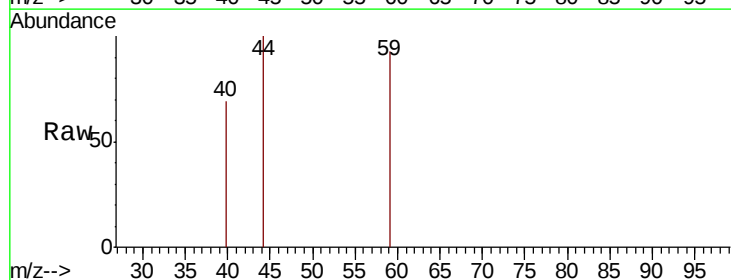
Acq: 07 Nov 2019 12:29

Tgt Ion: 59 Resp: 246

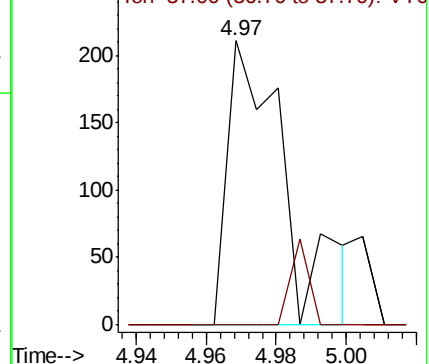
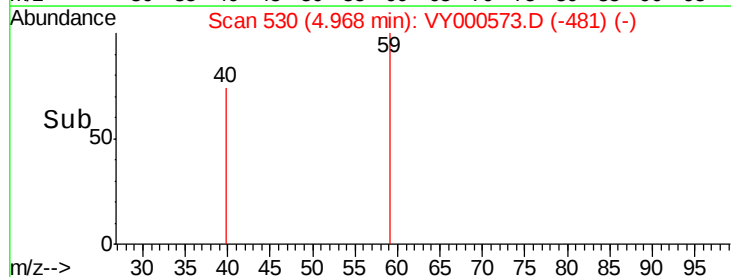
Ion Ratio Lower Upper

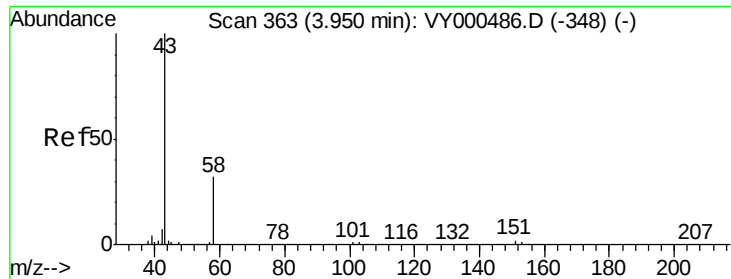
59 100

57 9.3 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VY000573.D (-481) (-)





#16

Acetone

Concen: 2.070 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

Instrument :

MSVOA_Y

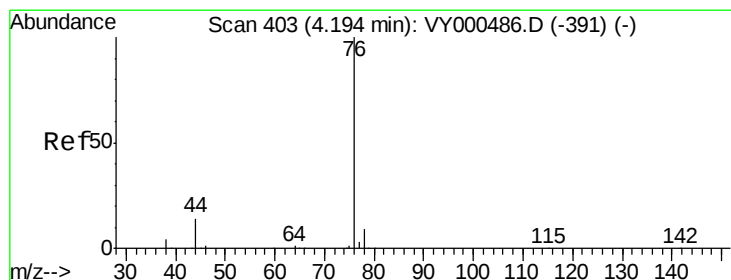
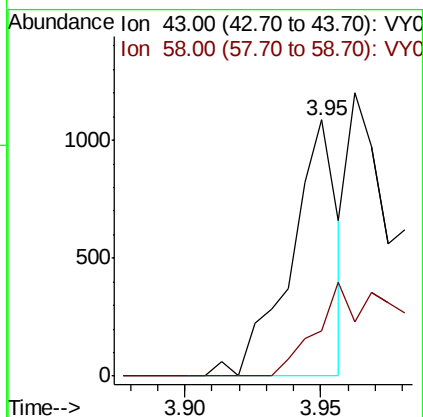
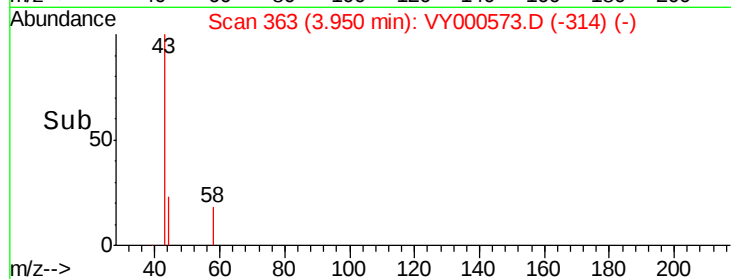
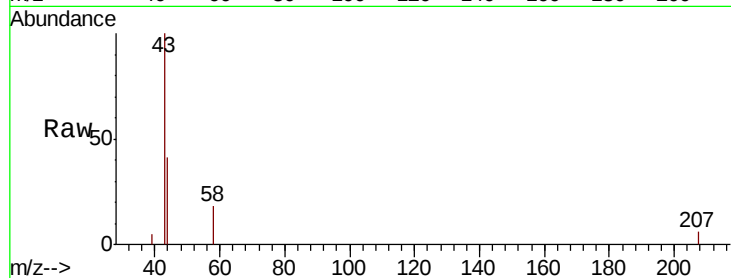
ClientSampled :

Tot Ion: 43 Resp: 1284

Ion Ratio Lower Upper

43 100

58 17.9 25.8 38.6#



#17

Carbon Disulfide

Concen: 1.139 ug/l

RT: 4.19 min Scan# 402

Delta R.T. -0.01 min

Lab File: VY000573.D

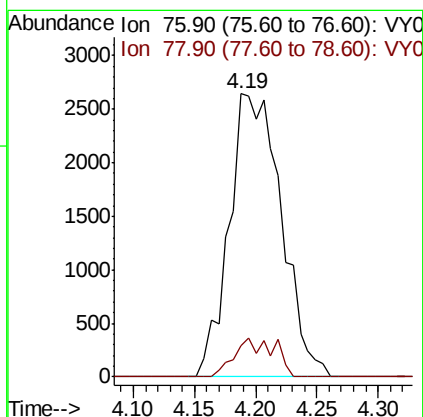
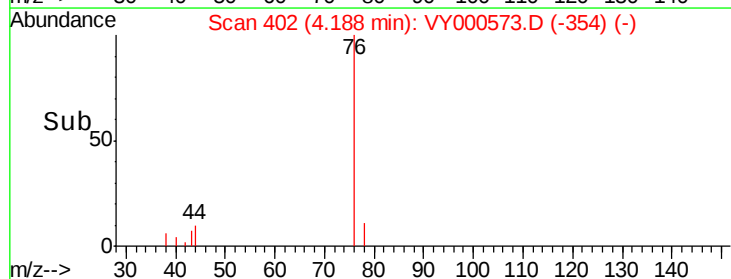
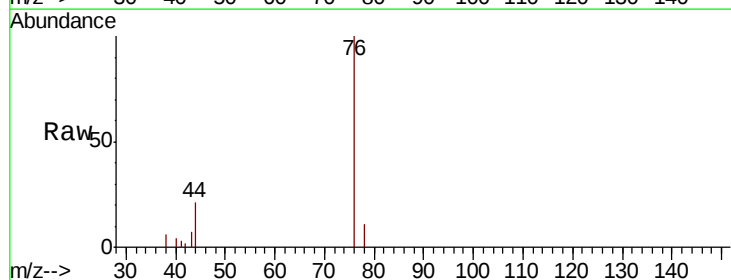
Acq: 07 Nov 2019 12:29

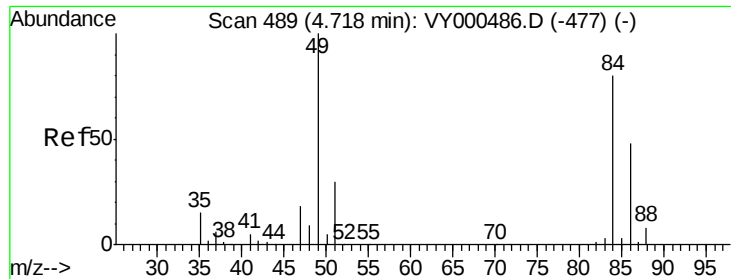
Tgt Ion: 76 Resp: 7807

Ion Ratio Lower Upper

76 100

78 10.8 7.5 11.3

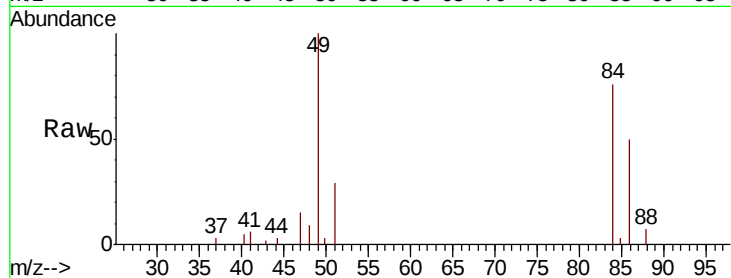




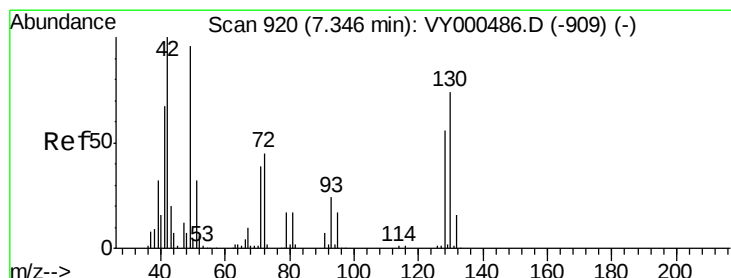
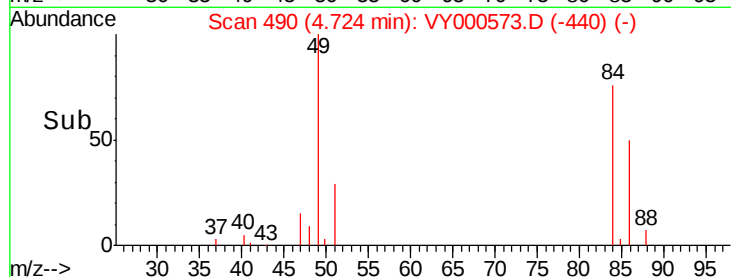
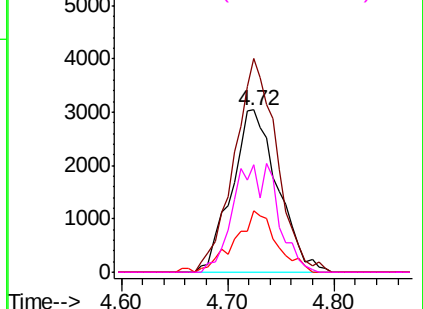
#20
Methvlene Chloride
Concen: 3.463 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000573.D
Acq: 07 Nov 2019 12:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 9207
Ion Ratio Lower Upper
84 100
49 131.5 100.2 150.4
51 38.0 29.6 44.4
86 65.9 48.3 72.5

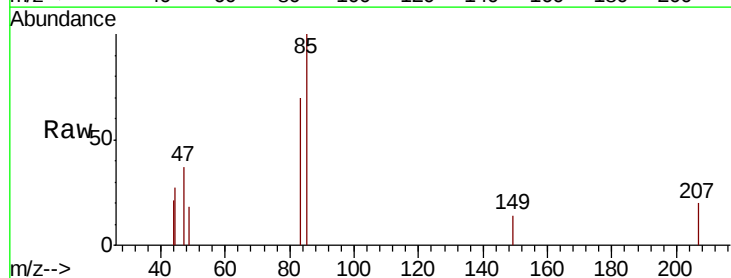


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

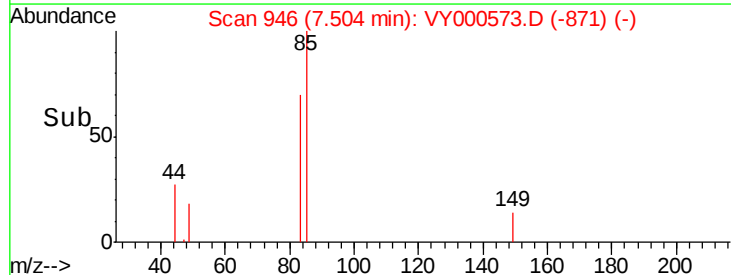
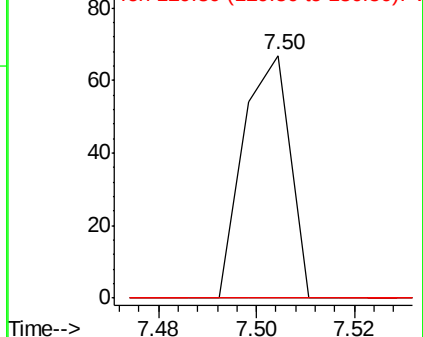


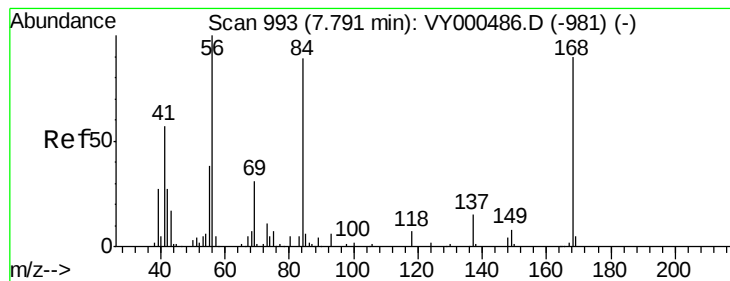
#28
Bromochloromethane
Concen: 4.114 ug/l
RT: 7.50 min Scan# 946
Delta R.T. 0.16 min
Lab File: VY000573.D
Acq: 07 Nov 2019 12:29

Tgt Ion: 49 Resp: 44
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.269 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.02 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

Instrument :
MSVOA_Y
ClientSampled :

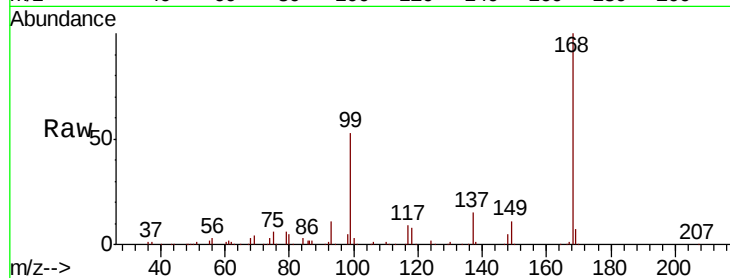
Tot Ion: 56 Resp: 5531

Ion Ratio Lower Upper

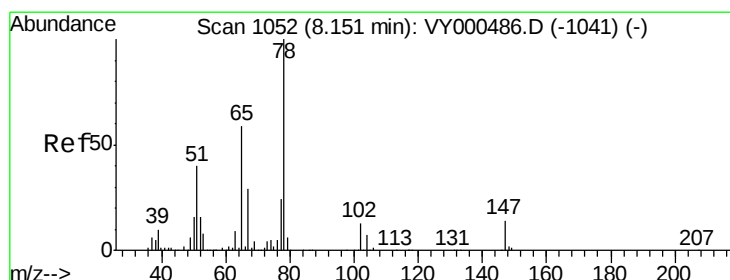
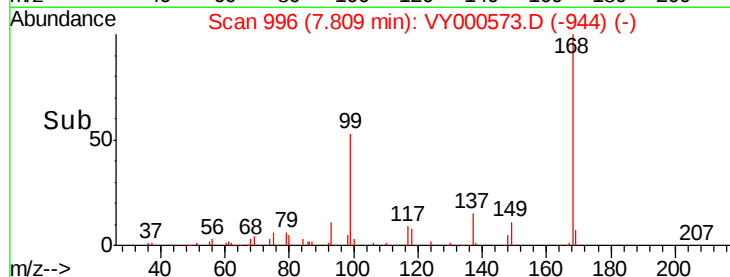
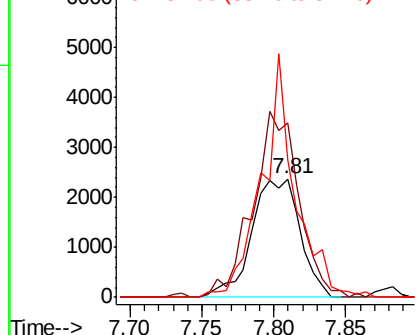
56 100

69 146.8 25.0 37.6#

84 116.1 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: 54.960 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000573.D

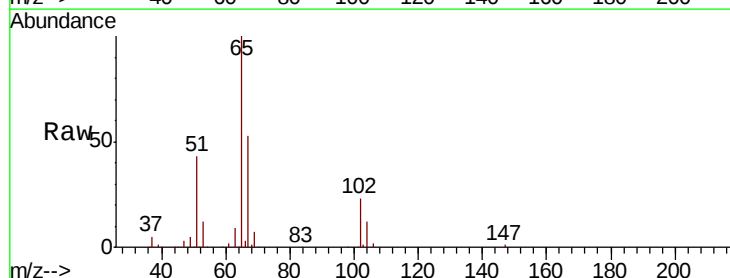
Acq: 07 Nov 2019 12:29

Tgt Ion: 65 Resp: 123712

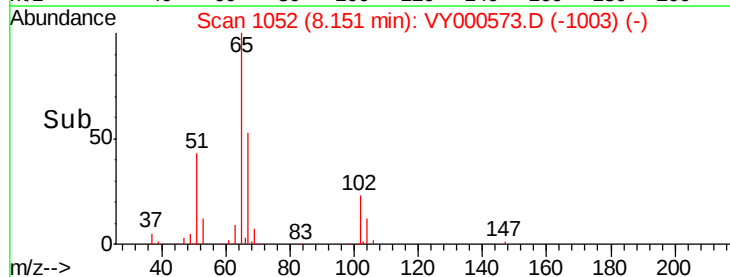
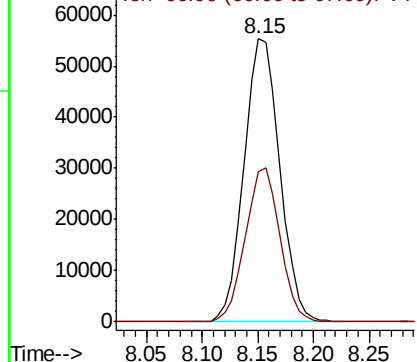
Ion Ratio Lower Upper

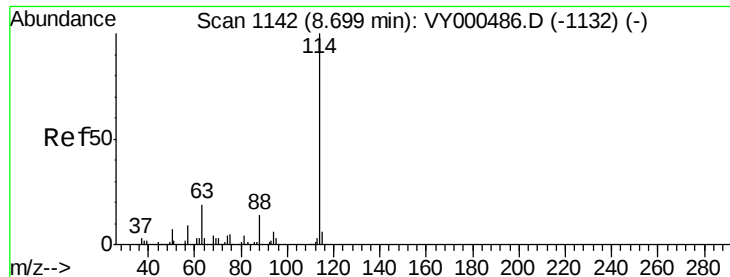
65 100

67 52.7 0.0 107.2



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

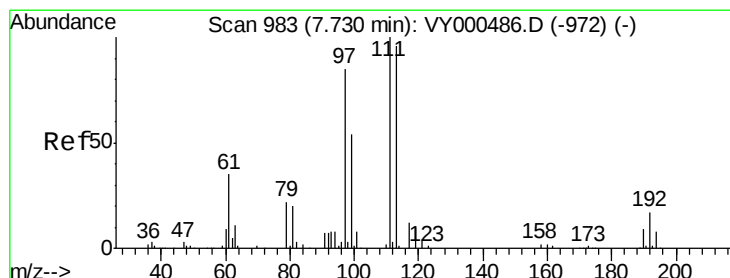
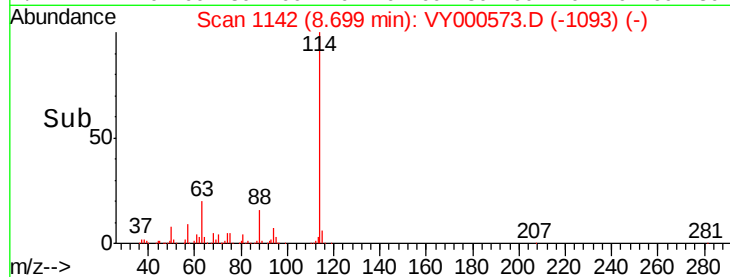
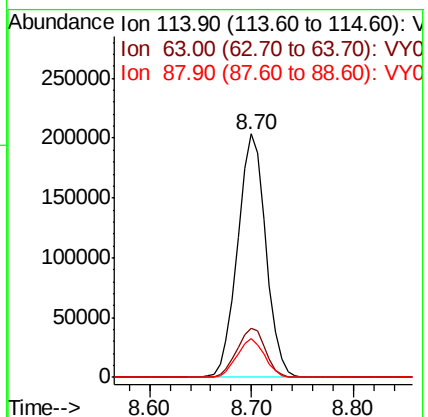
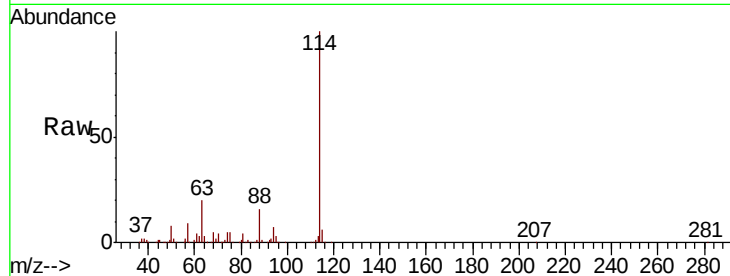




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000573.D
 Acq: 07 Nov 2019 12:29

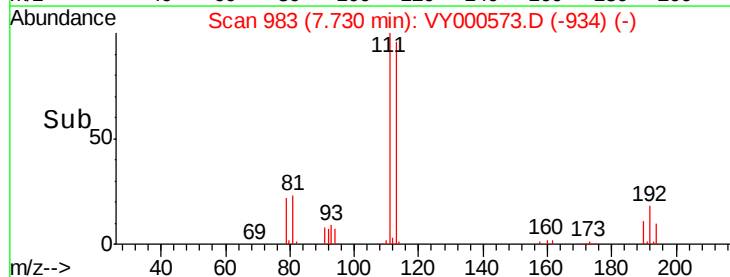
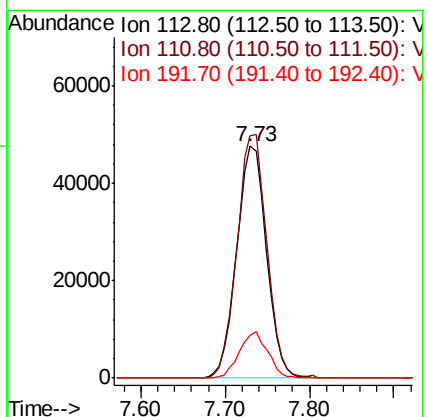
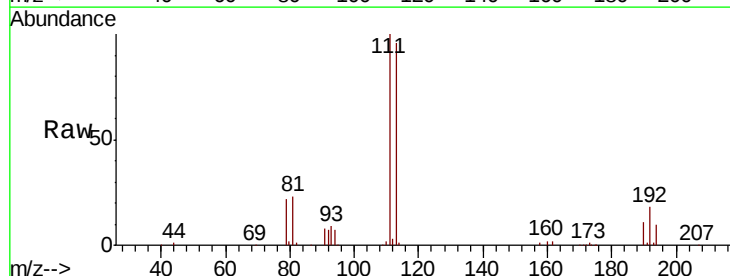
Instrument :
 MSVOA_Y
 ClientSampled :

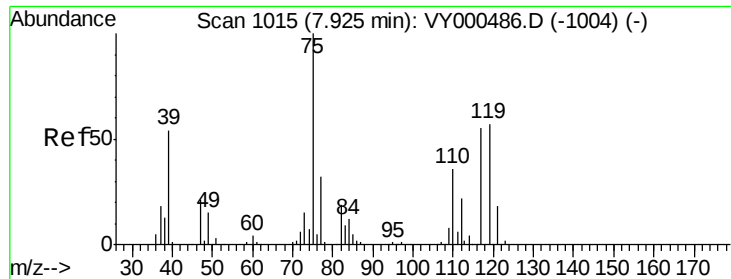
Tot Ion:114 Resp: 389139
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 15.8 0.0 28.6



#35
 Dibromofluoromethane
 Concen: 49.445 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000573.D
 Acq: 07 Nov 2019 12:29

Tgt Ion:113 Resp: 112958
 Ion Ratio Lower Upper
 113 100
 111 105.3 81.7 122.5
 192 19.1 15.0 22.4

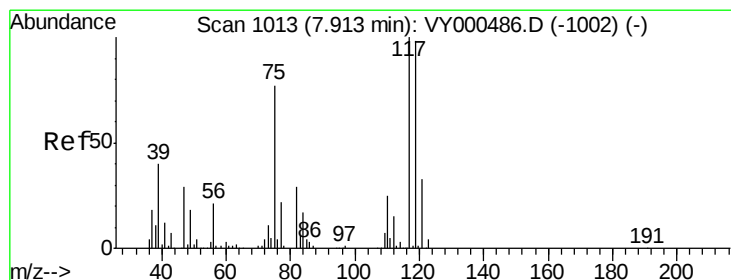
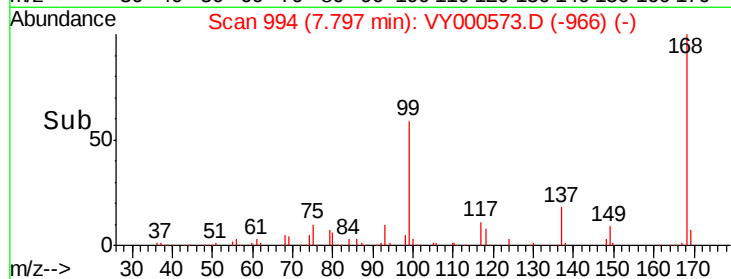
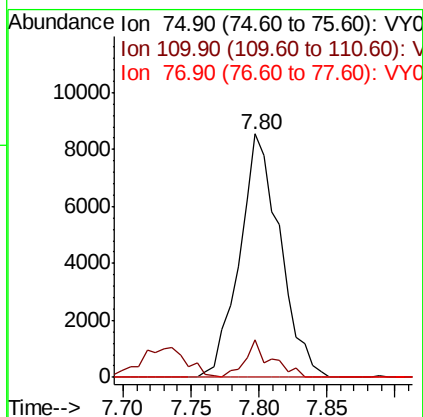
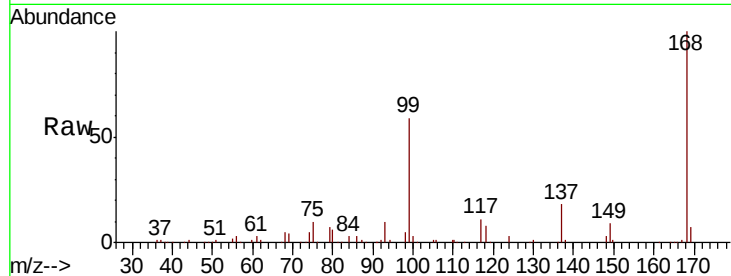




#36
 1,1-Dichloropropene
 Concen: 4.823 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000573.D
 Acq: 07 Nov 2019 12:29

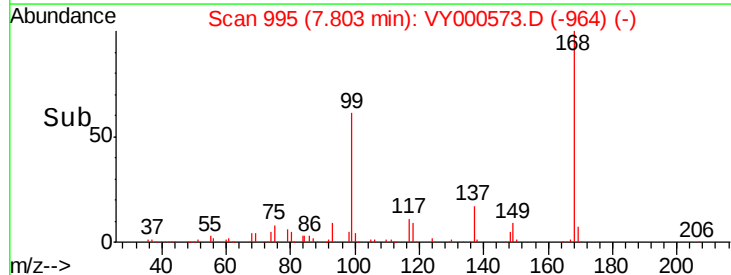
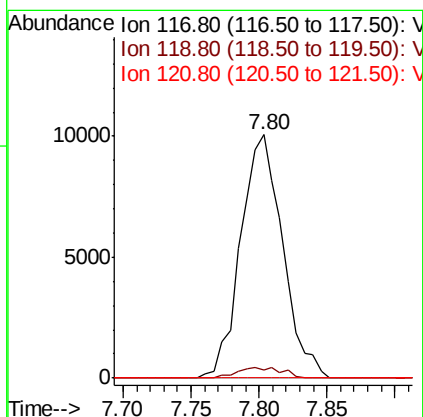
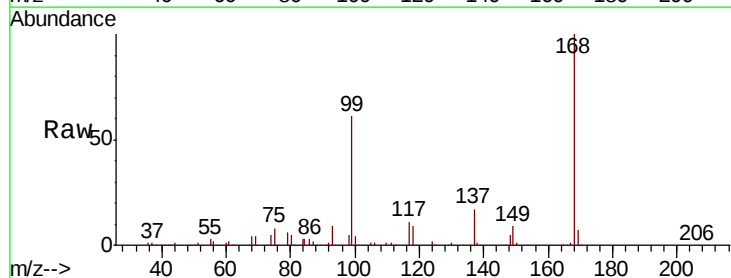
Instrument :
 MSVOA_Y
 ClientSampled :

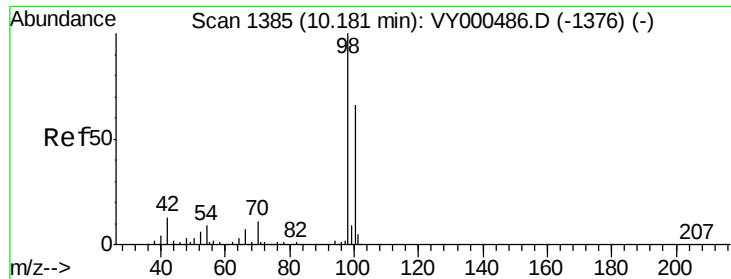
Tot Ion	75	Resp	17741
Ion Ratio	Lower	Upper	
75	100		
110	9.9	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.127 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000573.D
 Acq: 07 Nov 2019 12:29

Tgt Ion	117	Resp	21687
Ion Ratio	Lower	Upper	
117	100		
119	3.4	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 52.274 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

Instrument :

MSVOA_Y

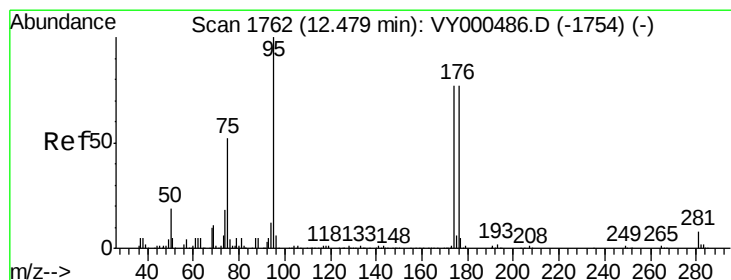
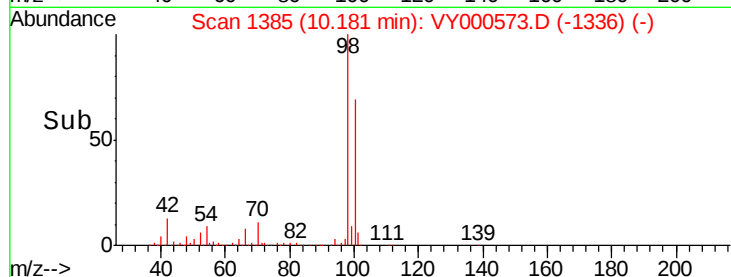
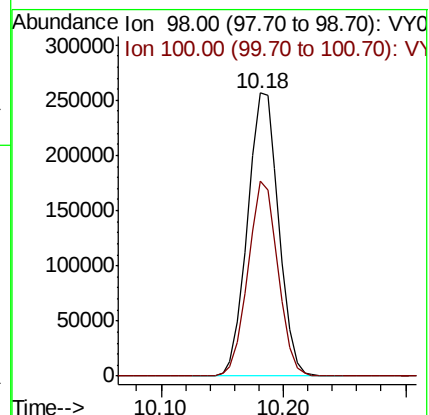
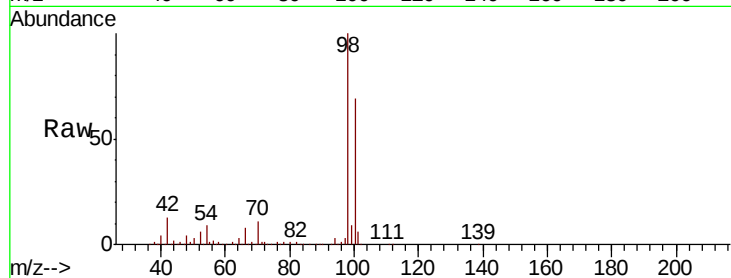
ClientSampled :

Tot Ion: 98 Resp: 453135

Ion Ratio Lower Upper

98 100

100 66.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.442 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

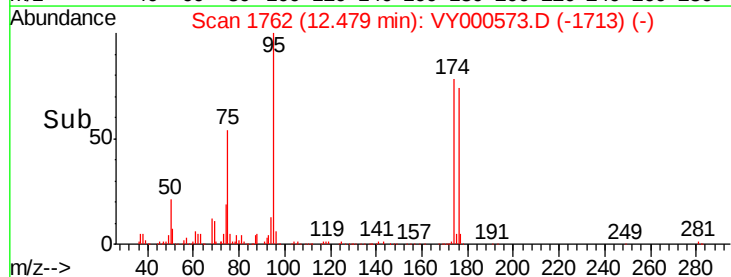
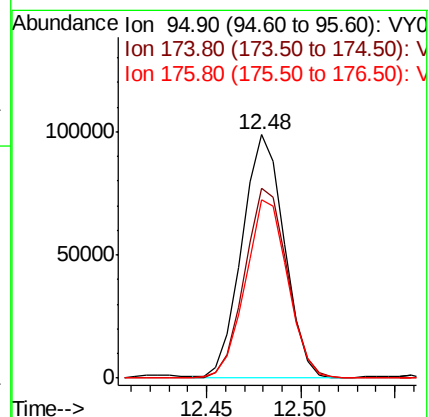
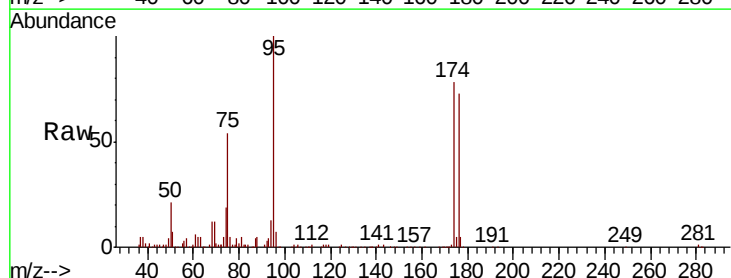
Tgt Ion: 95 Resp: 153259

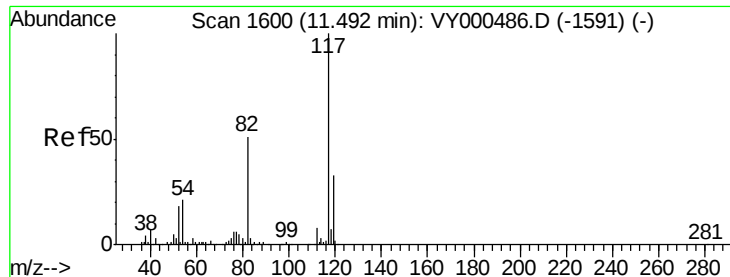
Ion Ratio Lower Upper

95 100

174 78.9 0.0 161.6

176 73.5 0.0 157.8

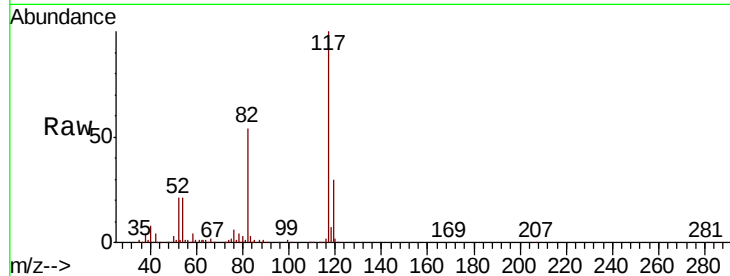




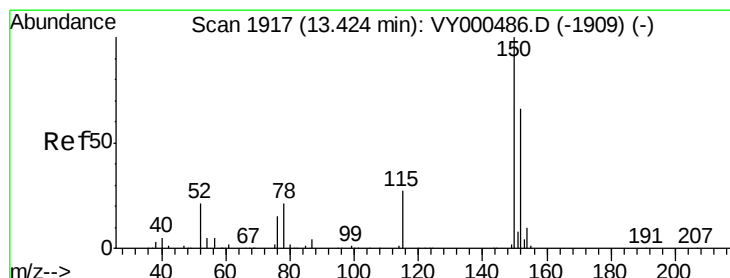
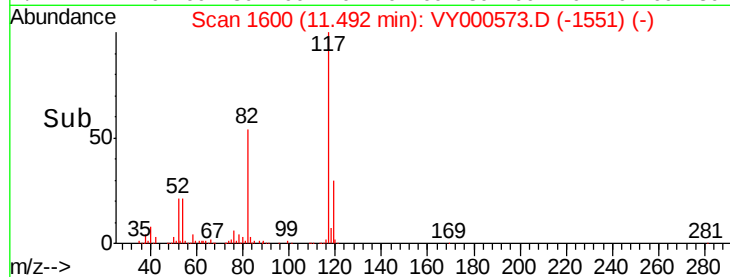
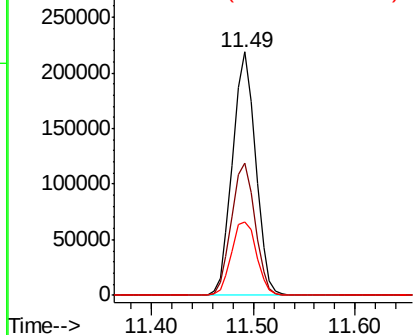
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000573.D
Acq: 07 Nov 2019 12:29

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	40.8	61.2
119	30.4	26.2	39.2

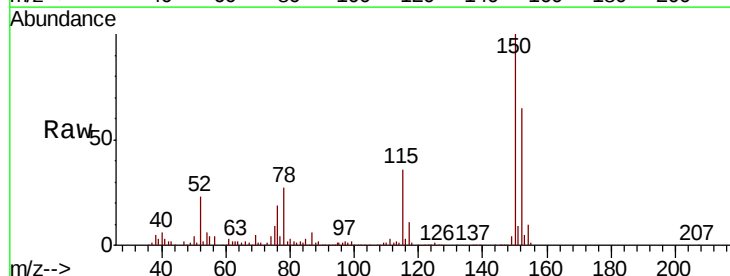


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

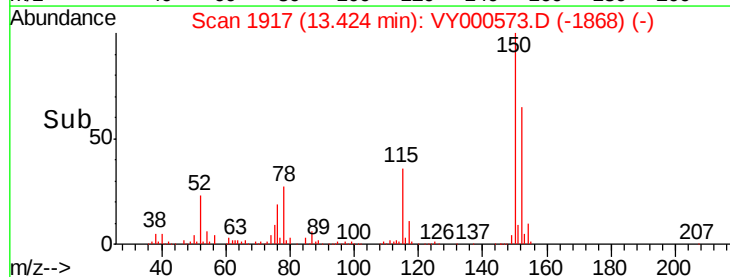
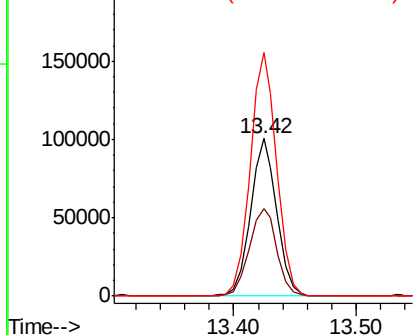


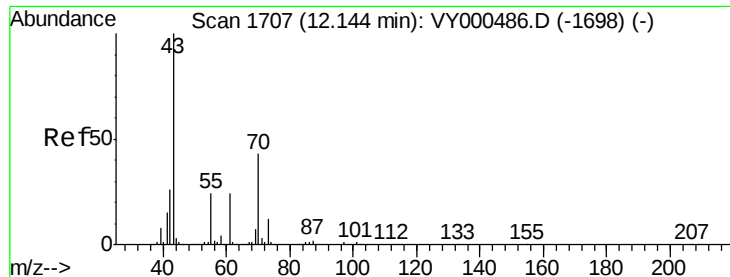
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000573.D
Acq: 07 Nov 2019 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.1	87.4
150	155.0	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





#74

N-amvl acetate

Concen: 3.741 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 11846

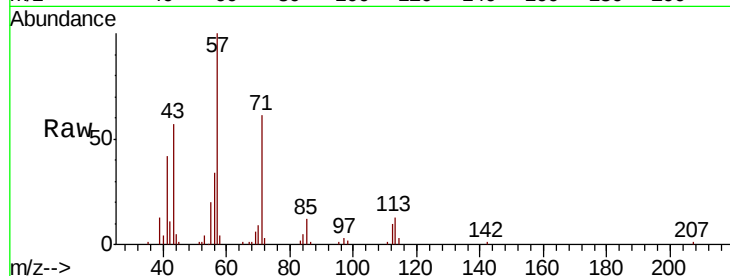
Ion Ratio Lower Upper

43 100

70 18.0 33.1 49.7#

55 12.4 18.0 27.0#

61 0.0 19.1 28.7#

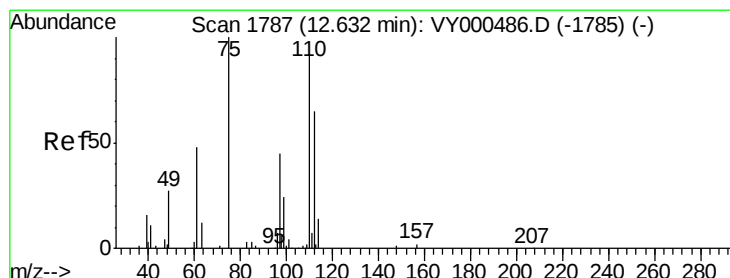
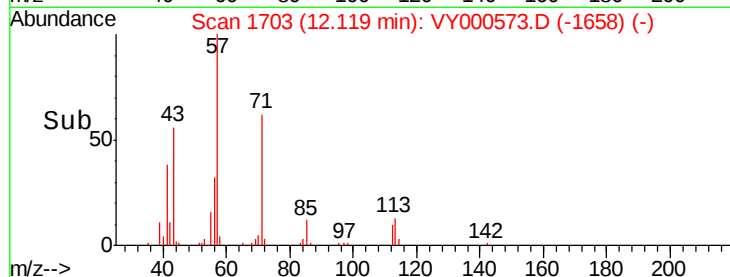
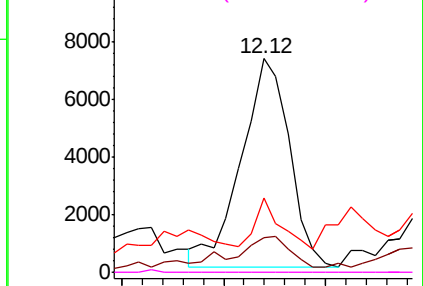


Abundance Ion 43.00 (42.70 to 43.70): VY0

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



#76

1,2,3-Trichloropropane

Concen: 47.879 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000573.D

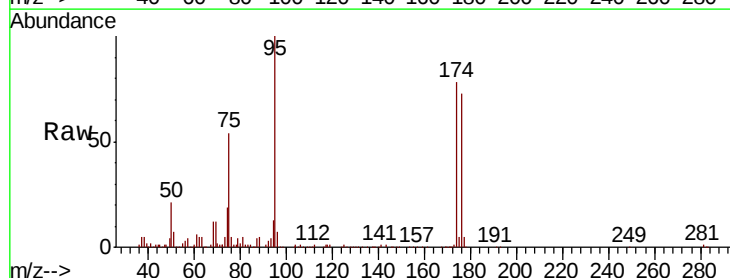
Acq: 07 Nov 2019 12:29

Tgt Ion: 75 Resp: 81549

Ion Ratio Lower Upper

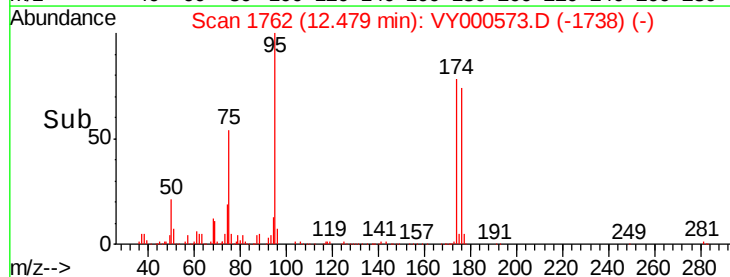
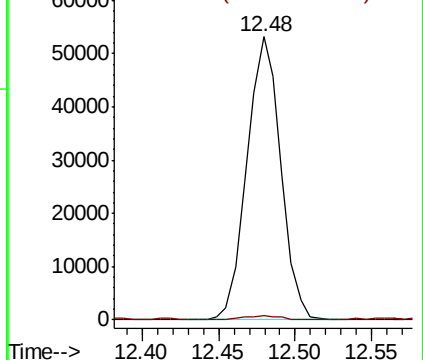
75 100

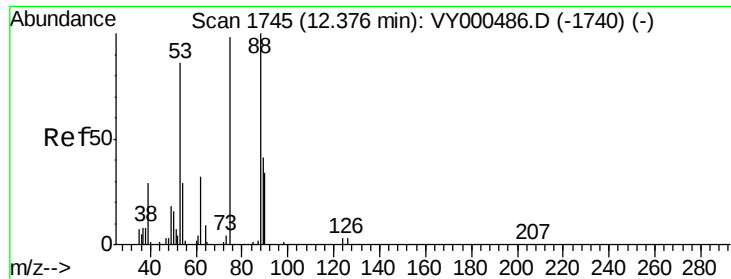
77 1.8 0.0 0.0#



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: 107.351 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

Instrument :

MSVOA_Y

ClientSampleId :

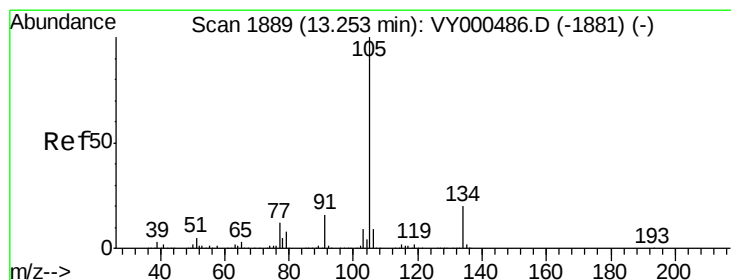
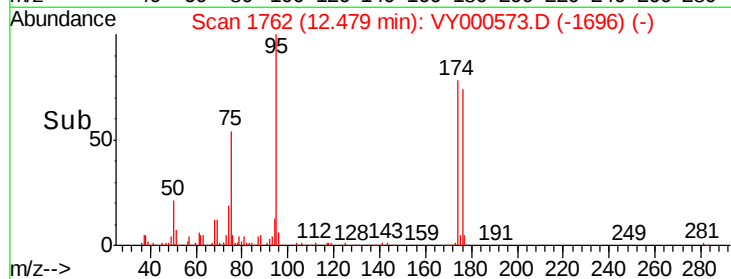
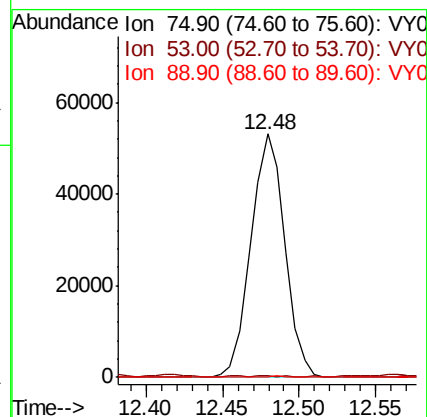
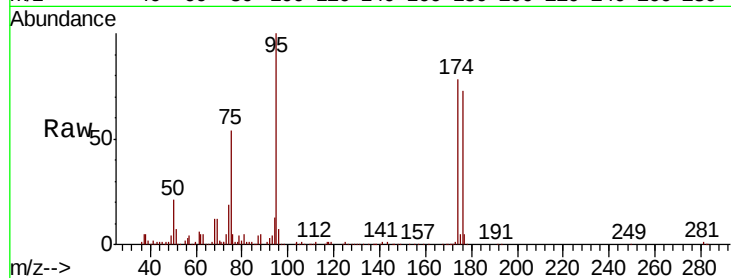
Tot Ion: 75 Resp: 81549

Ion Ratio Lower Upper

75 100

53 0.7 73.2 109.8#

89 0.1 35.9 53.9#



#85

sec-Butylbenzene

Concen: 1.384 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000573.D

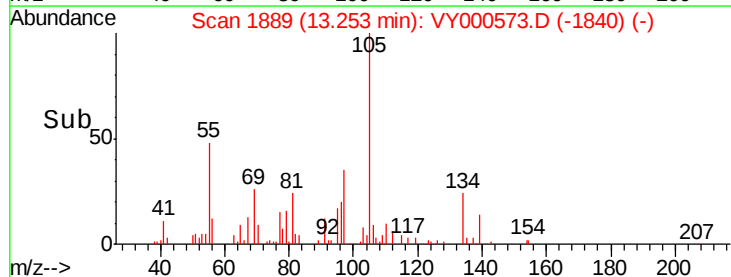
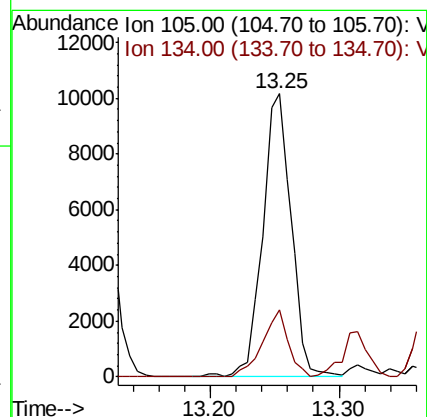
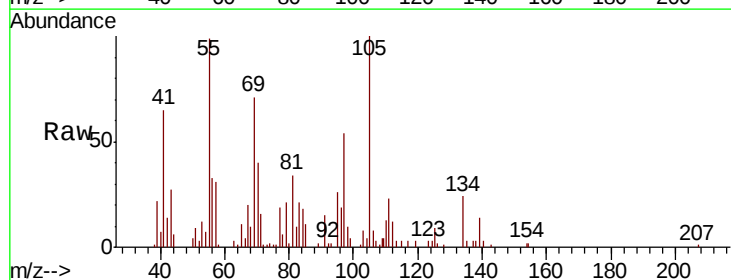
Acq: 07 Nov 2019 12:29

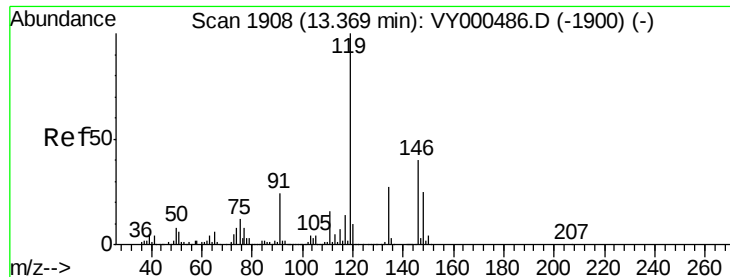
Tgt Ion: 105 Resp: 15503

Ion Ratio Lower Upper

105 100

134 21.4 10.1 30.1

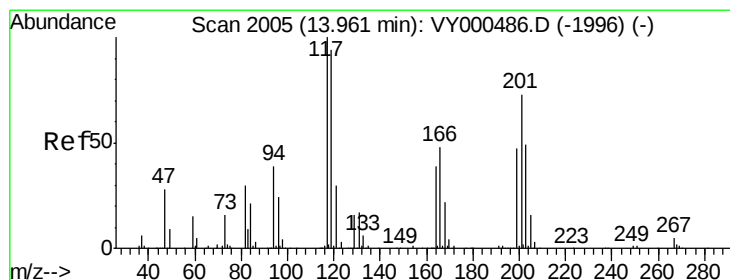
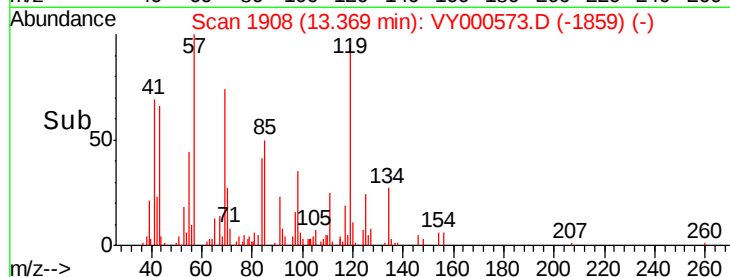
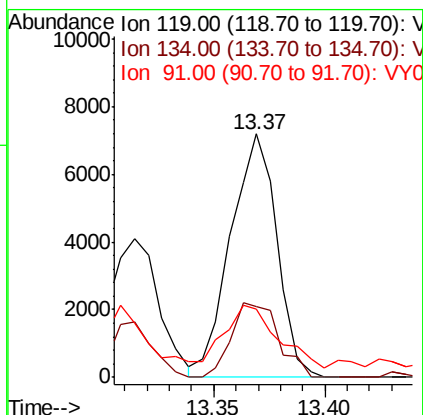
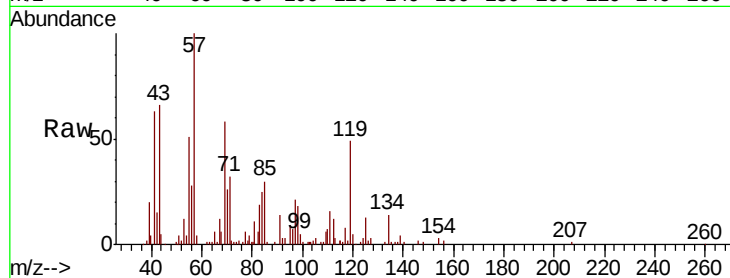




#86
p-Isopropyltoluene
Concen: 1.044 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY000573.D
Acq: 07 Nov 2019 12:29

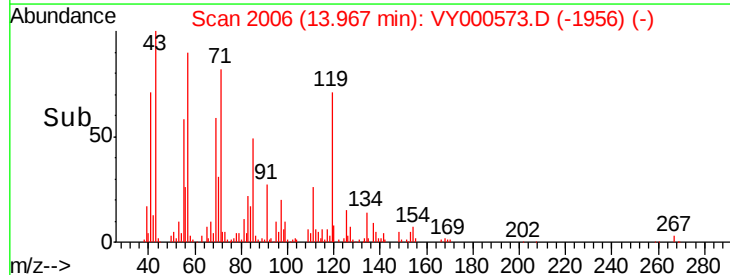
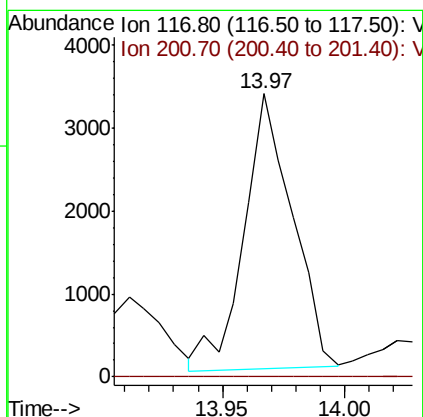
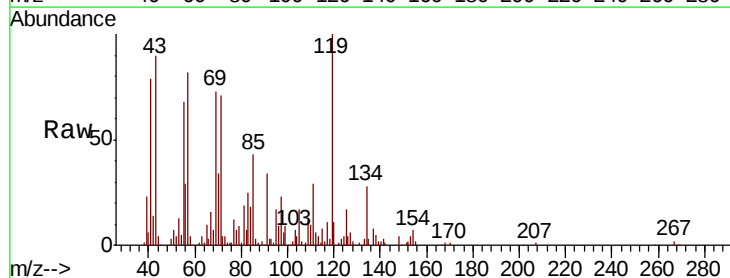
Instrument :
MSVOA_Y
ClientSampleId :

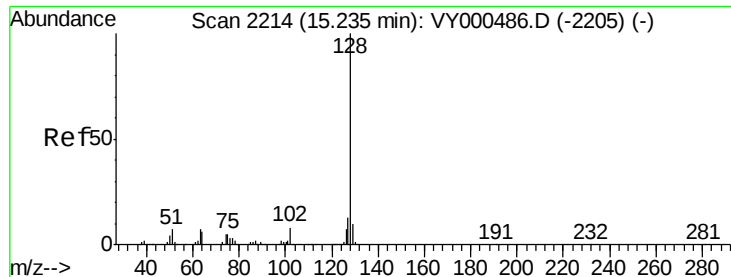
Tot Ion:119 Resp: 10418
Ion Ratio Lower Upper
119 100
134 31.2 13.6 40.8
91 29.1 12.0 36.1



#90
Hexachloroethane
Concen: 2.464 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY000573.D
Acq: 07 Nov 2019 12:29

Tgt Ion:117 Resp: 4547
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.3#





#95

Naphthalene

Concen: 3.428 ug/l

RT: 15.21 min Scan# 2210

Delta R.T. -0.02 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

Instrument :

MSVOA_Y

ClientSampleId :

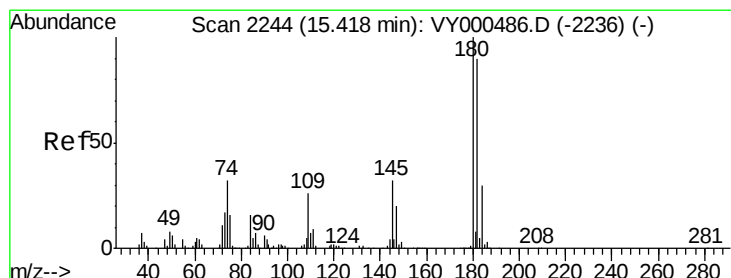
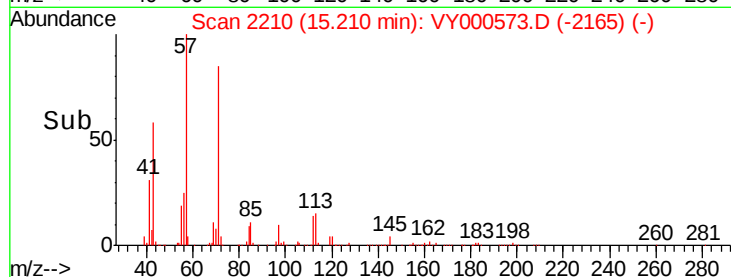
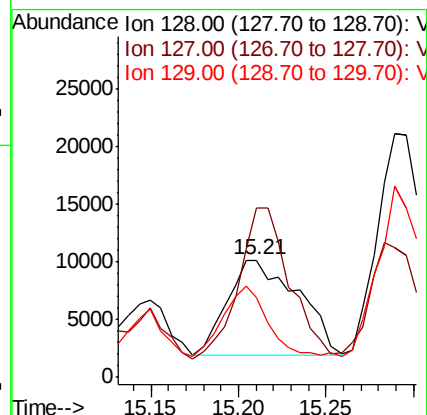
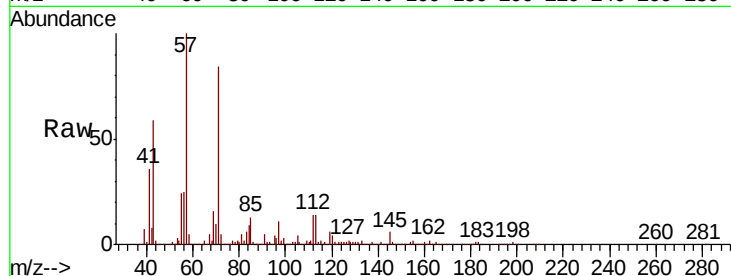
Tot Ion:128 Resp: 23088

Ion Ratio Lower Upper

128 100

127 115.9 9.8 14.6#

129 44.9 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.984 ug/l

RT: 15.39 min Scan# 2240

Delta R.T. -0.02 min

Lab File: VY000573.D

Acq: 07 Nov 2019 12:29

Tgt Ion:180 Resp: 10844

Ion Ratio Lower Upper

180 100

182 43.1 47.4 142.3#

145 904.9 15.7 47.0#

