

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000749.D
 Acq On : 20 Nov 2019 12:46
 Operator : SY/MD
 Sample : K5923-02RE
 Misc : 5.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 07:41:41 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	85794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	130457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	92455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	36330	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	38588	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	
35) Dibromofluoromethane	7.73	113	34733	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	
50) Toluene-d8	10.18	98	144224	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.48	95	36236	32.75	ug/l	0.00
Spiked Amount			Recovery	=	65.50%	

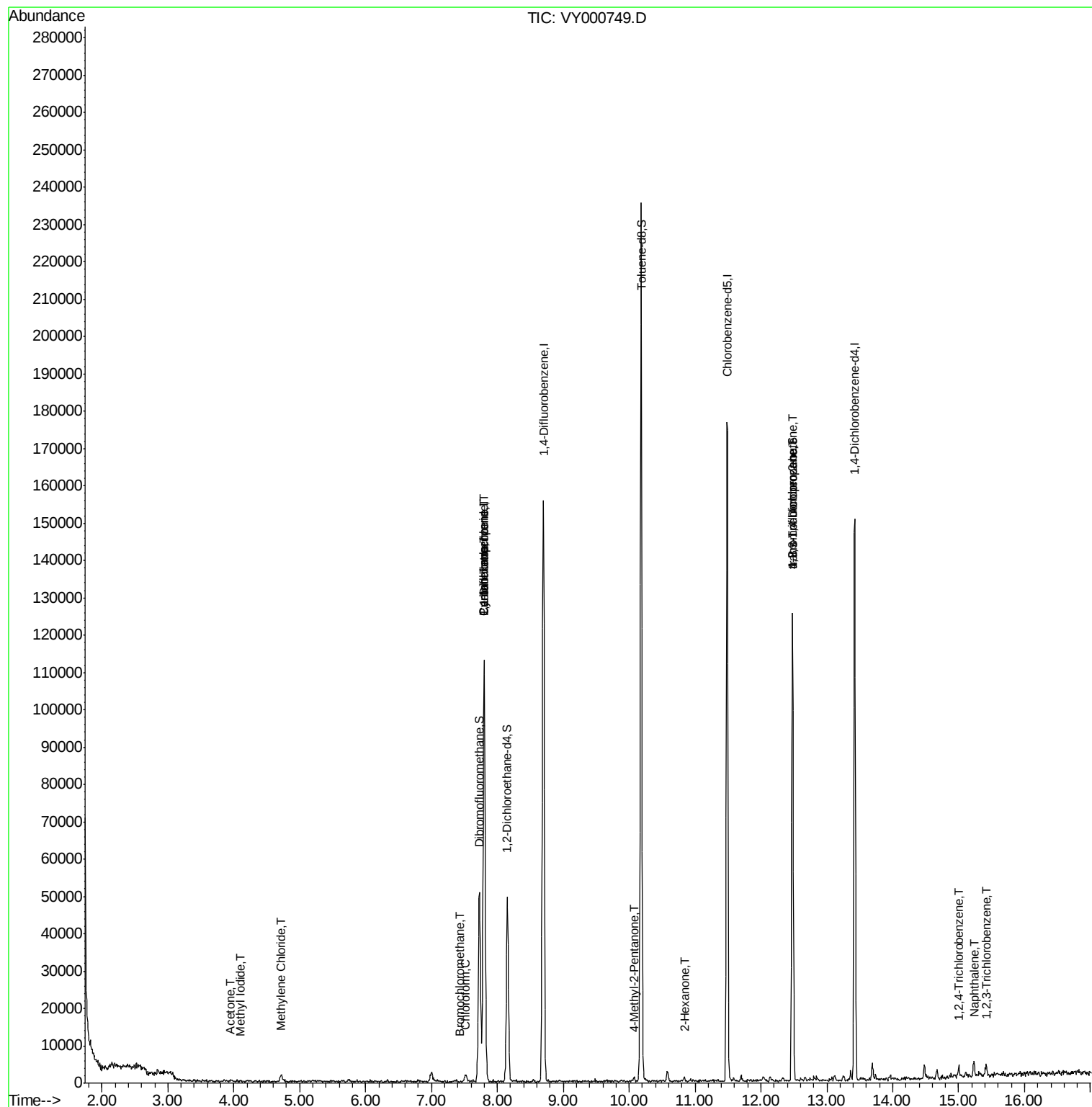
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	175	3.340	ug/l #	79
16) Acetone	3.95	43	600	2.452	ug/l #	85
20) Methylene Chloride	4.72	84	1277	1.218	ug/l	97
28) Bromochloromethane	7.42	49	47	4.150	ug/l #	14
30) Chloroform	7.52	83	1888	1.137	ug/l #	60
31) Cyclohexane	7.80	56	2035	1.184	ug/l #	25
36) 1,1-Dichloropropene	7.79	75	7598	6.161	ug/l #	48
38) Carbon Tetrachloride	7.80	117	9237	7.784	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	881	1.205	ug/l	92
59) 2-Hexanone	10.84	43	946	1.775	ug/l	80
76) 1,2,3-Trichloropropane	12.48	75	20111	48.616	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	20111	109.005	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.00	180	1272	1.726	ug/l #	58
95) Naphthalene	15.23	128	3342	2.043	ug/l	95
96) 1,2,3-Trichlorobenzene	15.42	180	966	1.461	ug/l	87

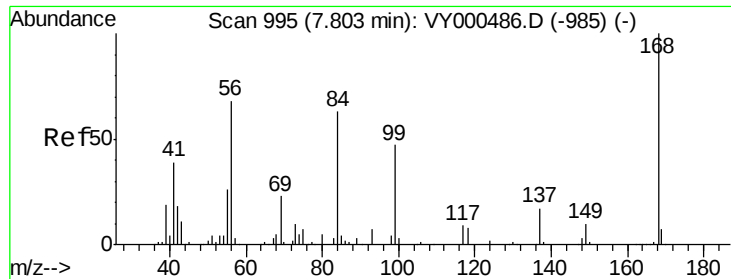
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
Data File : VY000749.D
Acq On : 20 Nov 2019 12:46
Operator : SY/MD
Sample : K5923-02RE
Misc : 5.07G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 21 07:41:41 2019
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: VY000749.D

Acq: 20 Nov 2019 12:46

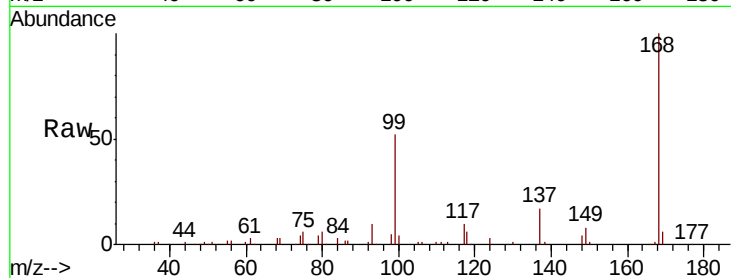
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 85794

Ion Ratio Lower Upper

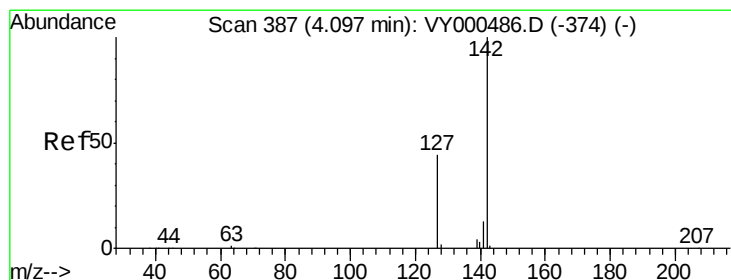
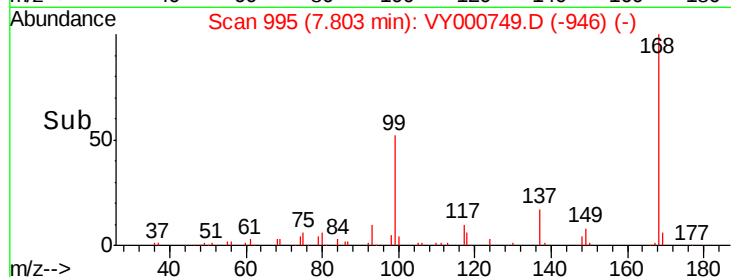
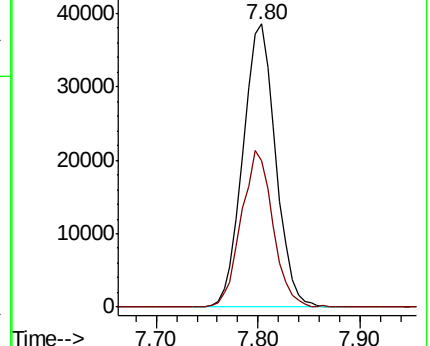
168 100

99 51.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.340 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

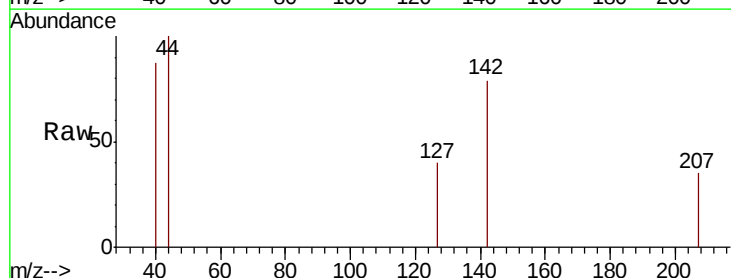
Tgt Ion:142 Resp: 175

Ion Ratio Lower Upper

142 100

127 31.4 33.7 50.5#

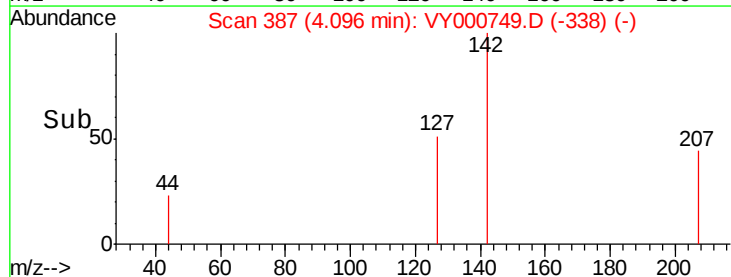
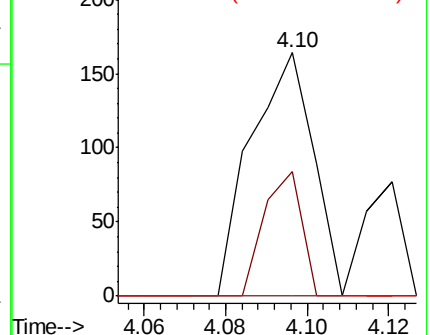
141 0.0 10.9 16.3#

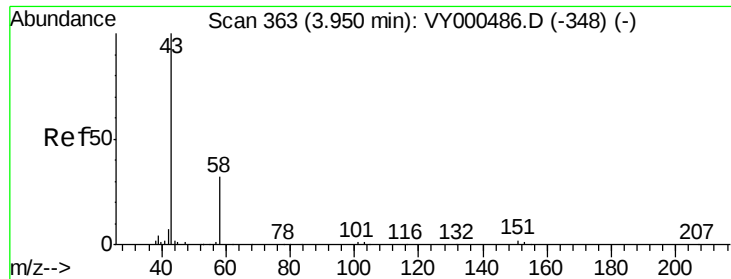


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 2.452 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :

MSVOA_Y

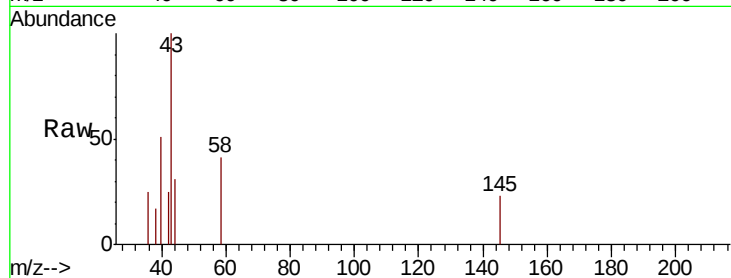
ClientSampleId :

Tot Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

58 40.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

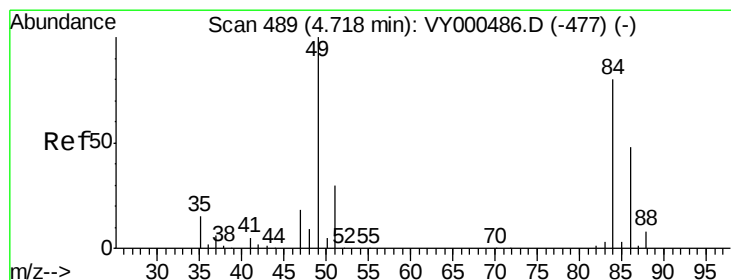
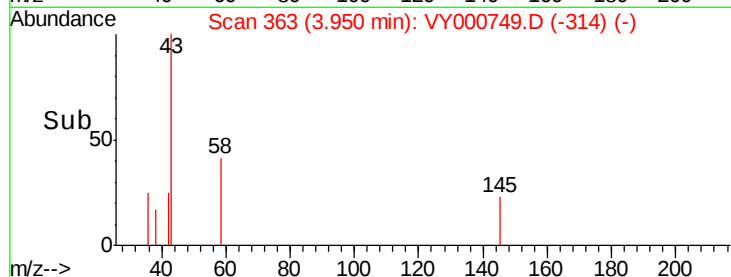
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 1.218 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Tgt Ion: 84 Resp: 1277

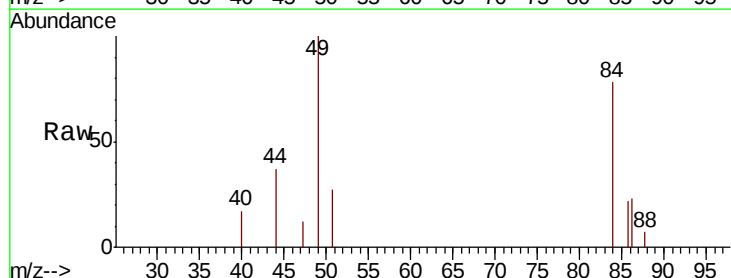
Ion Ratio Lower Upper

84 100

49 128.8 100.2 150.4

51 34.9 29.6 44.4

86 58.9 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

1000

800

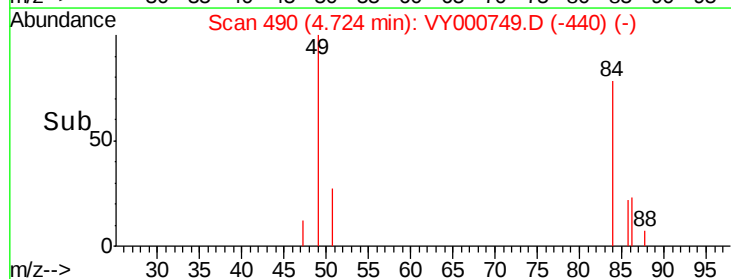
600

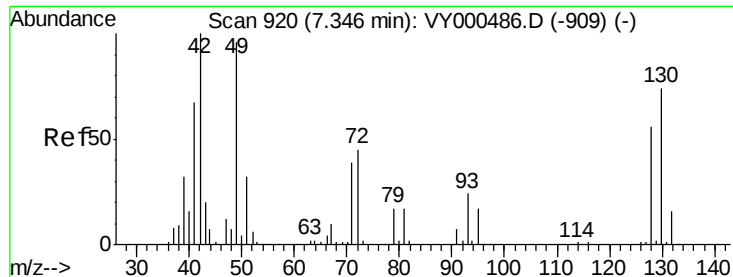
400

200

0

Time-->





#28

Bromochloromethane

Concen: 4.150 ug/l

RT: 7.42 min Scan# 933

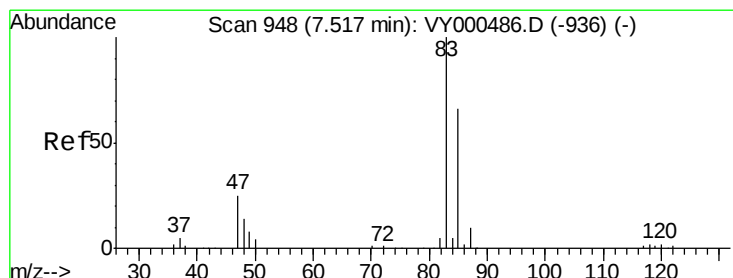
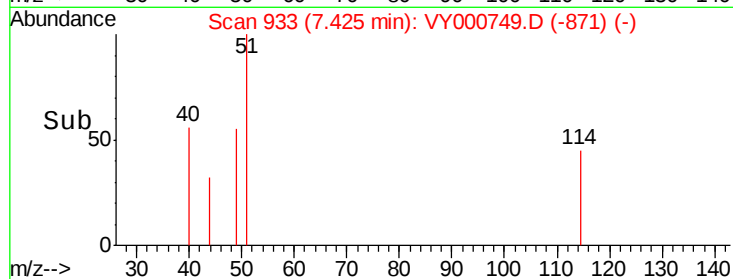
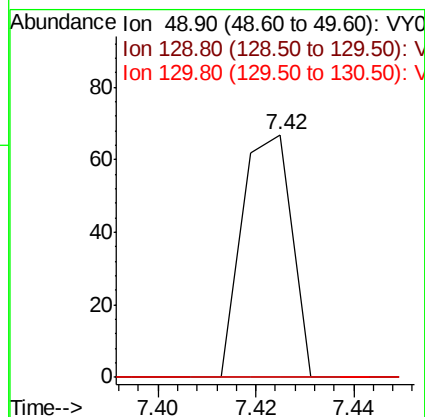
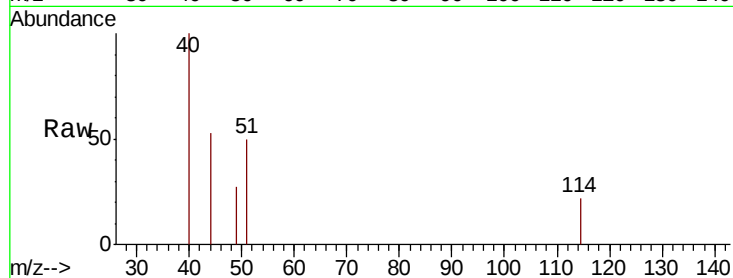
Delta R.T. 0.08 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 47
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#30

Chloroform

Concen: 1.137 ug/l

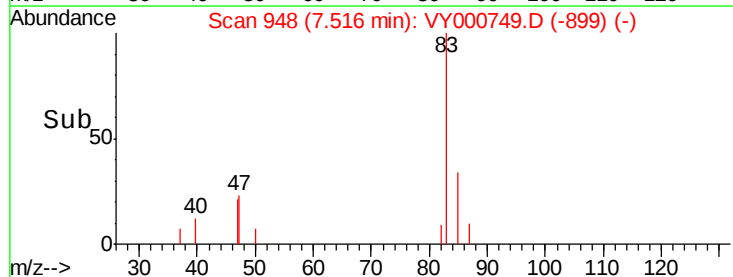
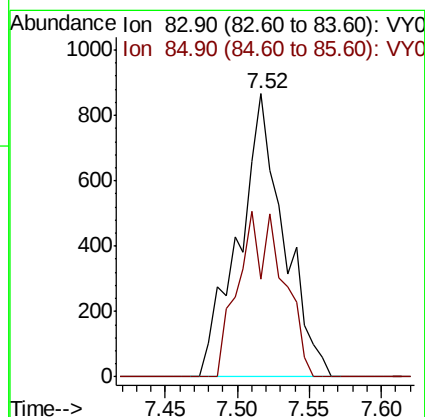
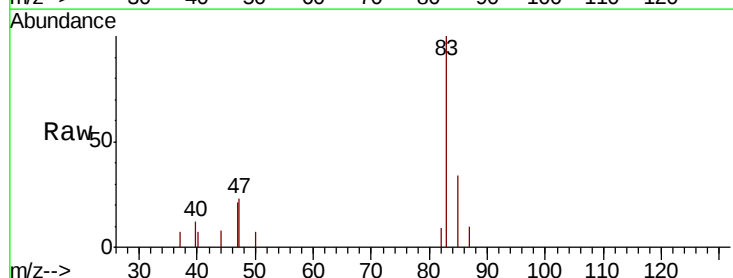
RT: 7.52 min Scan# 948

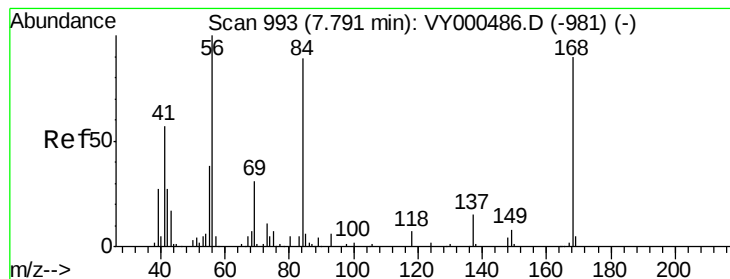
Delta R.T. -0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Tgt Ion: 83 Resp: 1888
Ion Ratio Lower Upper
83 100
85 34.4 53.0 79.4#





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

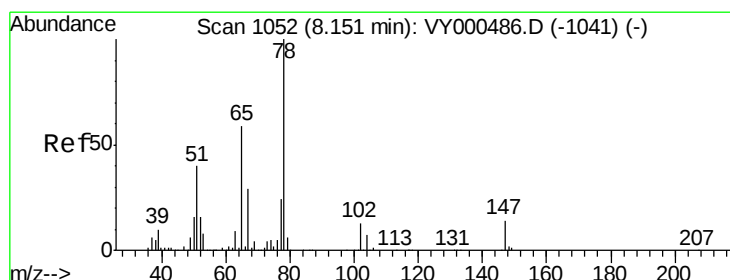
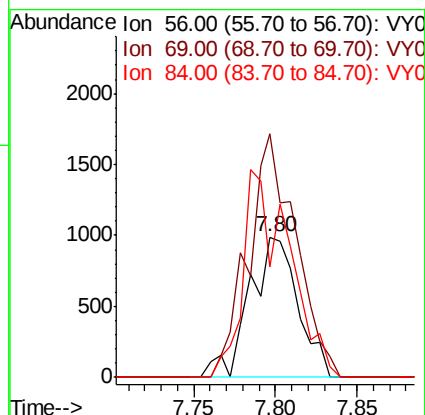
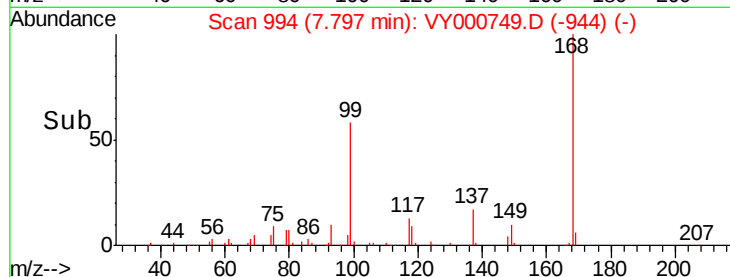
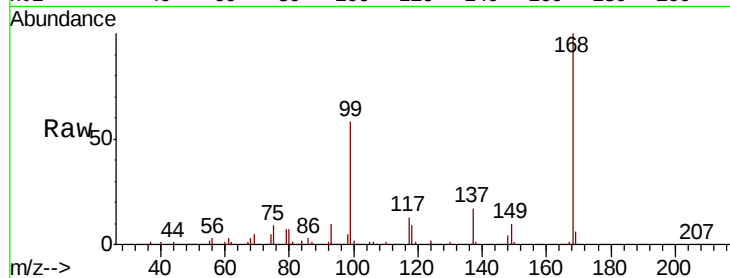
Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 2035

Ion	Ratio	Lower	Upper
56	100		
69	173.5	25.0	37.6#
84	79.2	71.4	107.2



#33

1,2-Dichloroethane-d4

Concen: 43.462 ug/l

RT: 8.15 min Scan# 1052

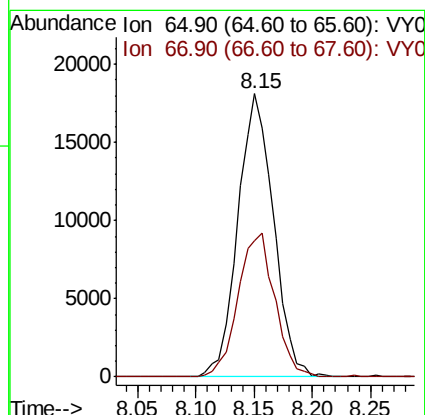
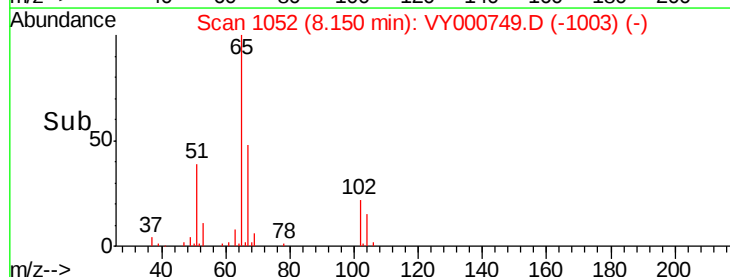
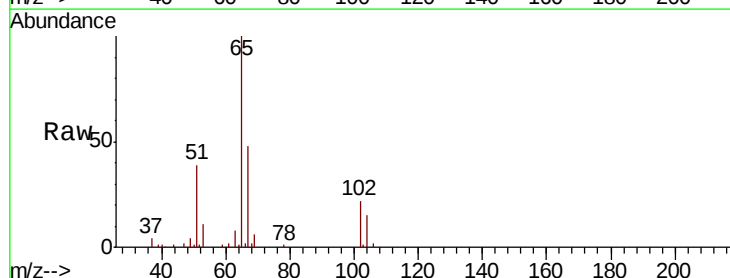
Delta R.T. -0.00 min

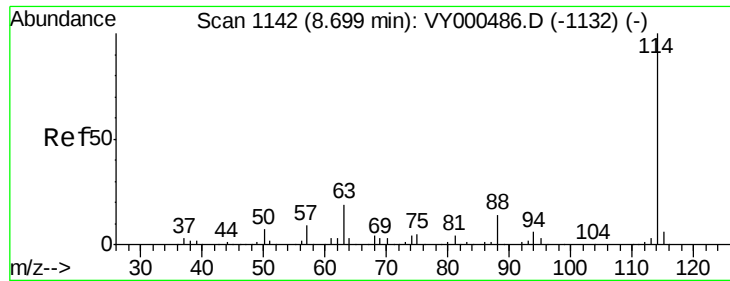
Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Tgt Ion: 65 Resp: 38588

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	107.2

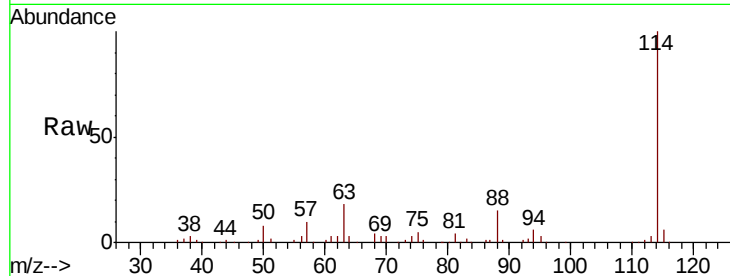




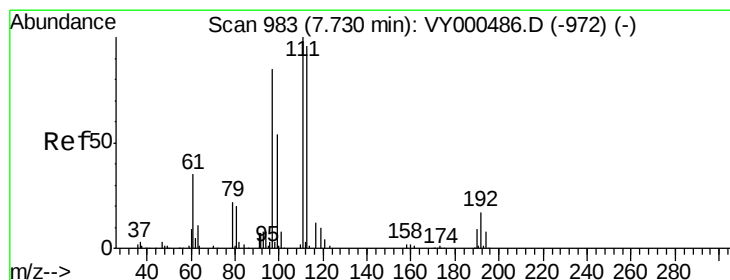
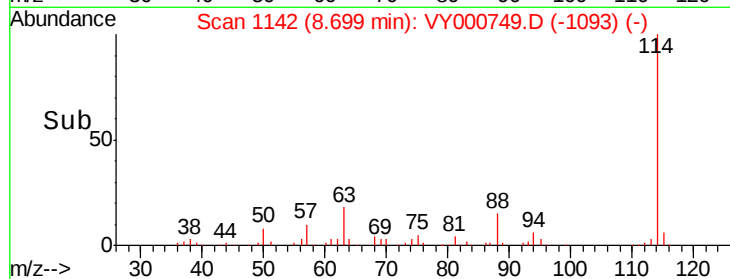
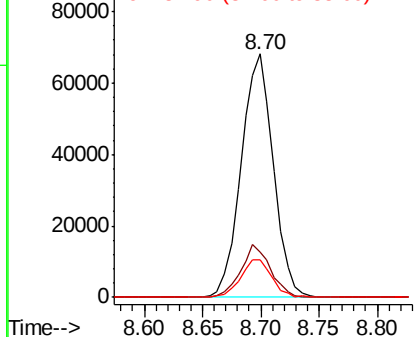
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000749.D
 Acq: 20 Nov 2019 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 130457
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.0
 88 15.5 0.0 28.6

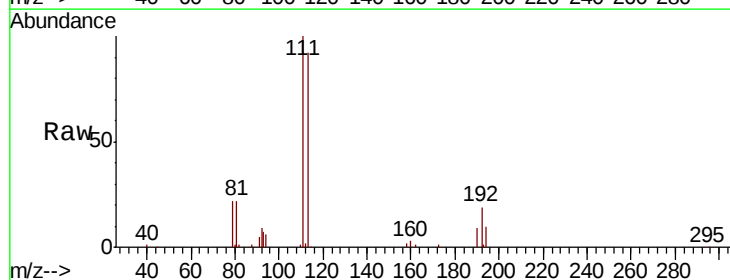


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

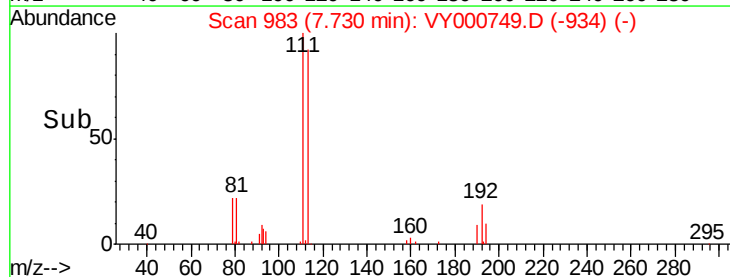
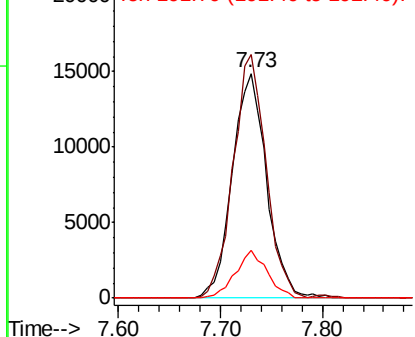


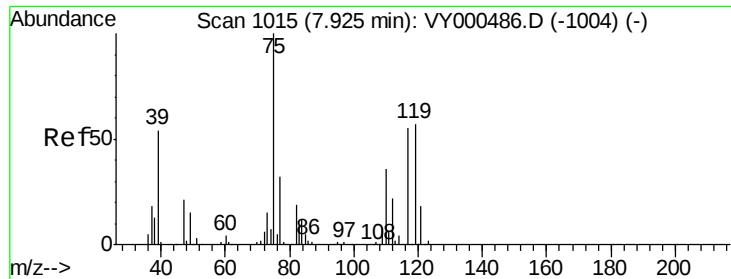
#35
 Dibromofluoromethane
 Concen: 45.351 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000749.D
 Acq: 20 Nov 2019 12:46

Tgt Ion:113 Resp: 34733
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 19.6 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

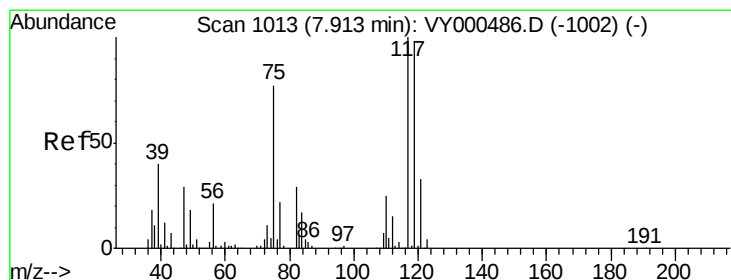
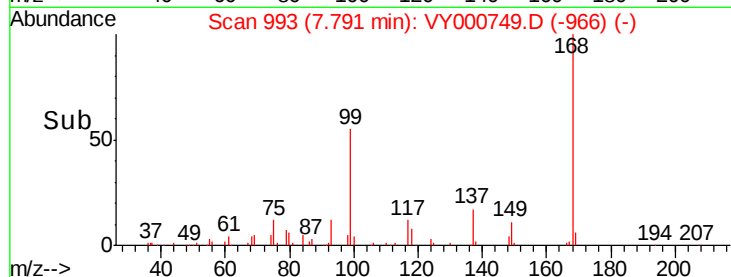
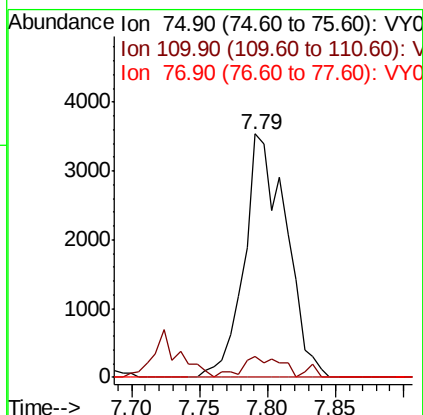
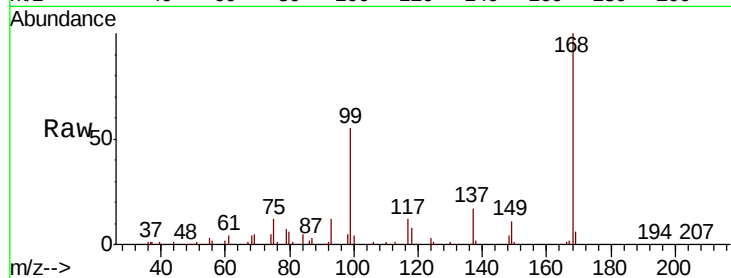




#36
 1,1-Dichloropropene
 Concen: 6.161 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000749.D
 Acq: 20 Nov 2019 12:46

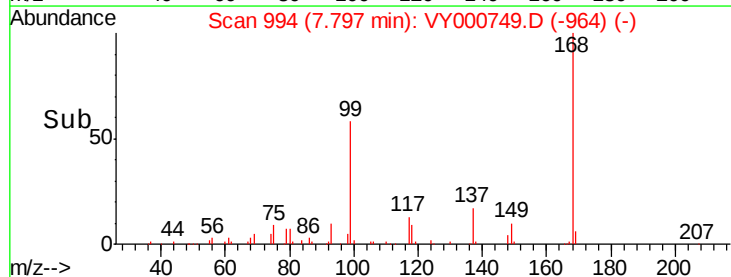
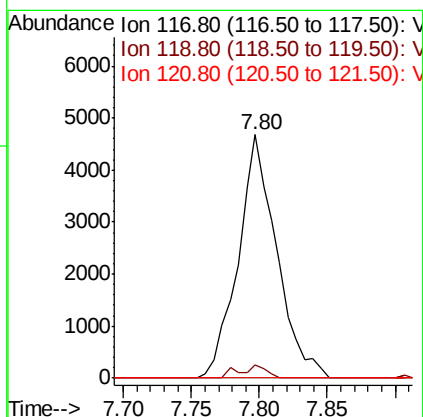
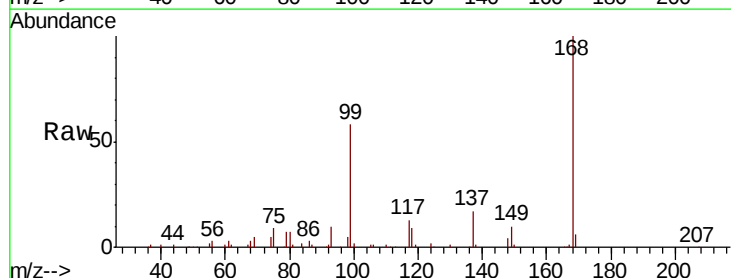
Instrument :
 MSVOA_Y
 ClientSampleId :

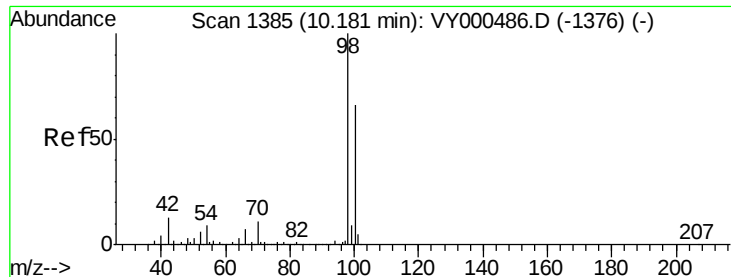
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 7.784 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000749.D
 Acq: 20 Nov 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 49.629 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :

MSVOA_Y

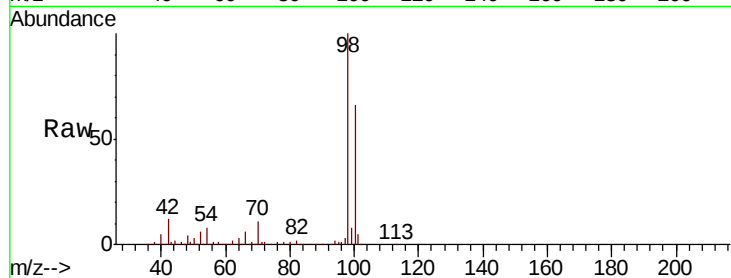
ClientSampleId :

Tot Ion: 98 Resp: 144224

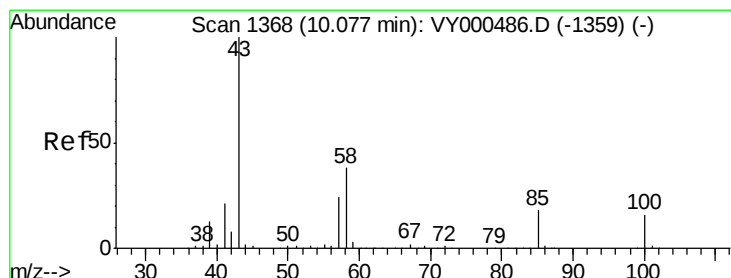
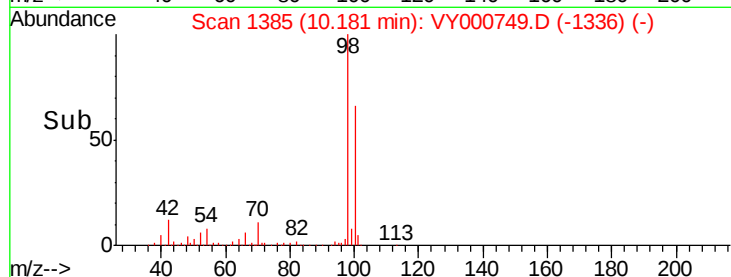
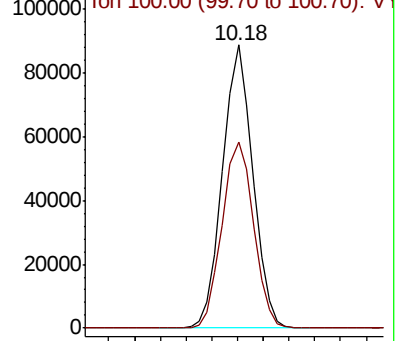
Ion Ratio Lower Upper

98 100

100 68.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.205 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000749.D

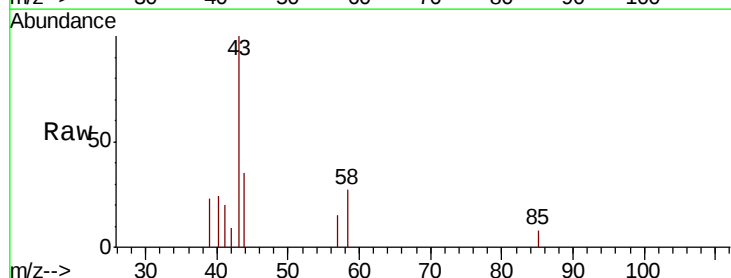
Acq: 20 Nov 2019 12:46

Tgt Ion: 43 Resp: 881

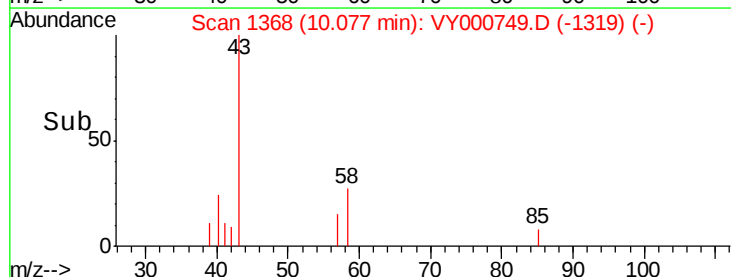
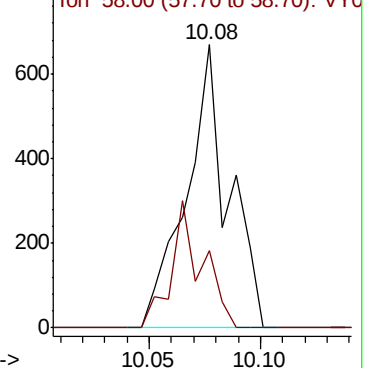
Ion Ratio Lower Upper

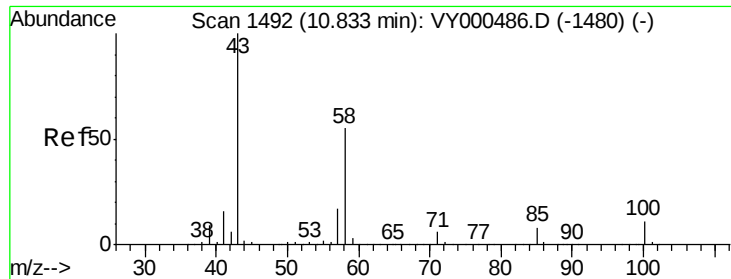
43 100

58 33.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1359) (-)

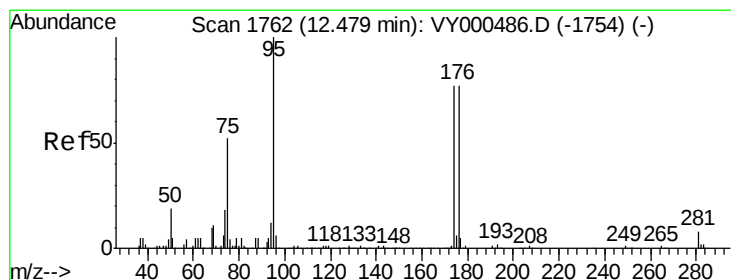
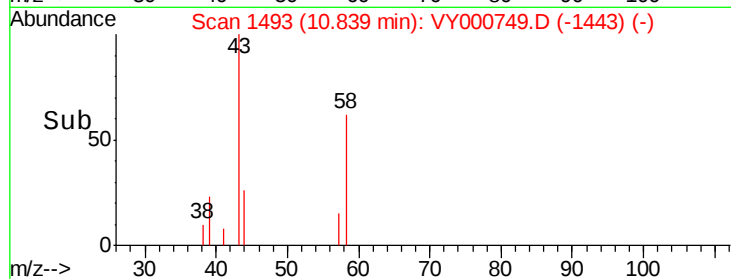
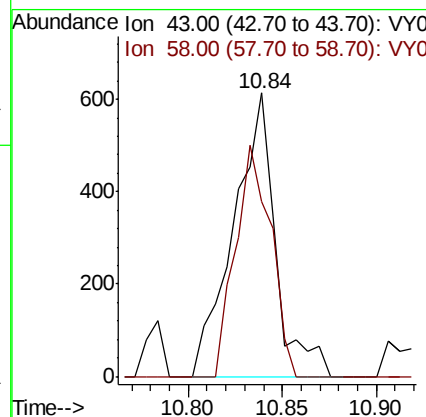
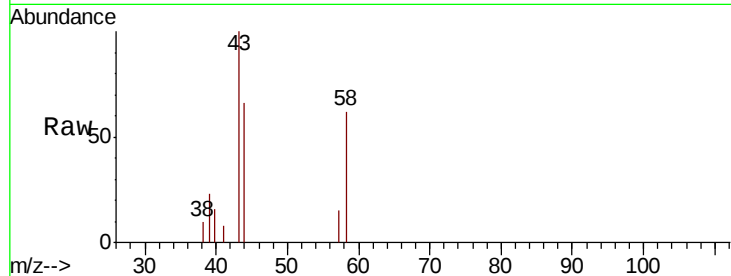




#59
2-Hexanone
Concen: 1.775 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000749.D
Acq: 20 Nov 2019 12:46

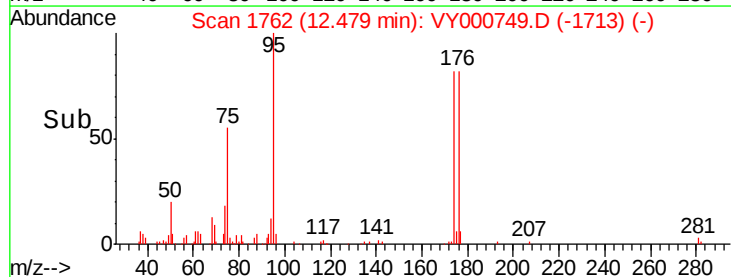
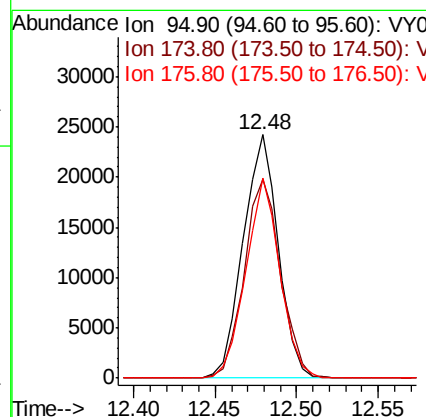
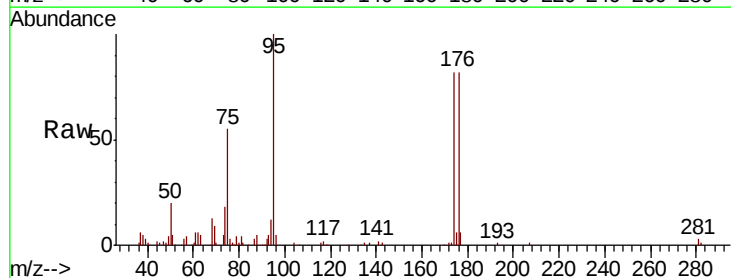
Instrument :
MSVOA_Y
ClientSampleId :

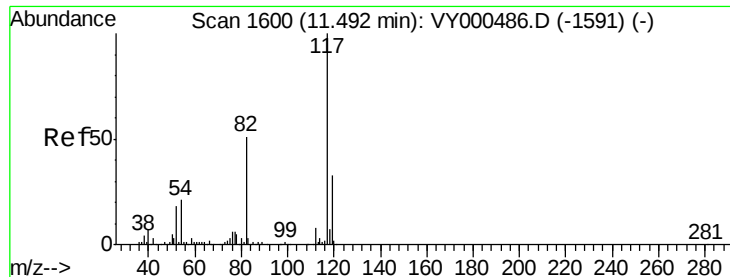
Tot Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
58 68.8 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 32.754 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000749.D
Acq: 20 Nov 2019 12:46

Tgt Ion: 95 Resp: 36236
Ion Ratio Lower Upper
95 100
174 84.8 0.0 161.6
176 80.1 0.0 157.8

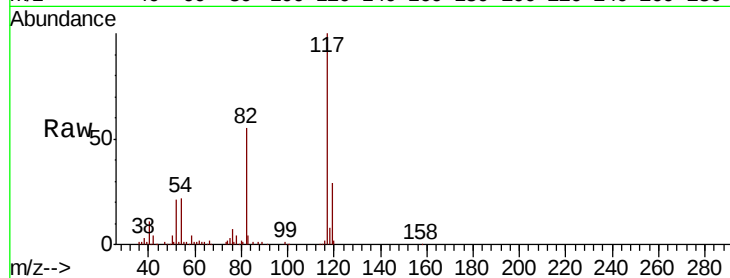




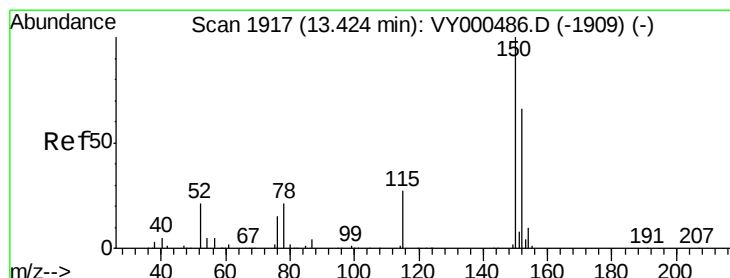
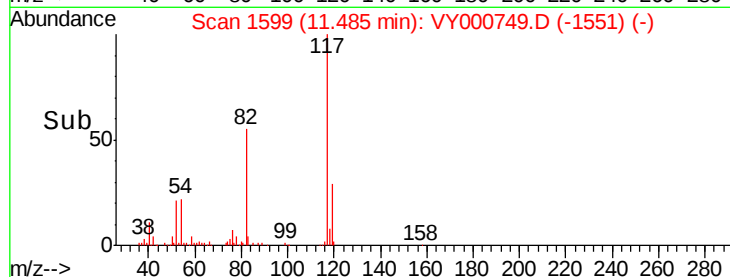
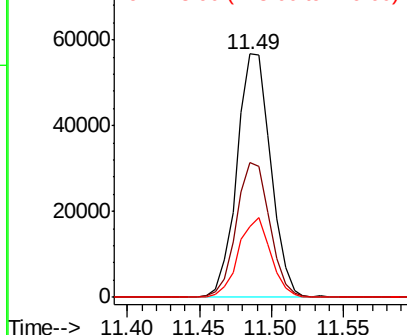
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000749.D
Acq: 20 Nov 2019 12:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 92455
Ion Ratio Lower Upper
117 100
82 55.1 40.8 61.2
119 29.0 26.2 39.2

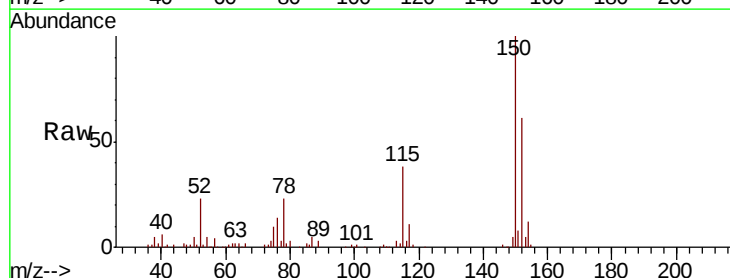


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

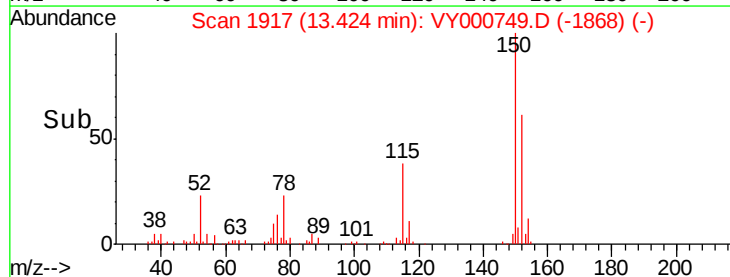
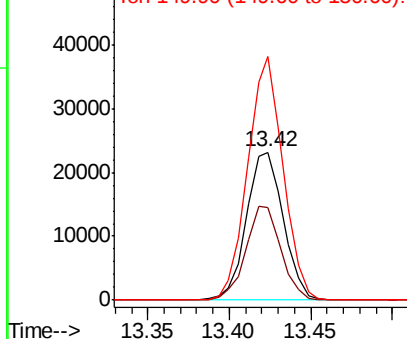


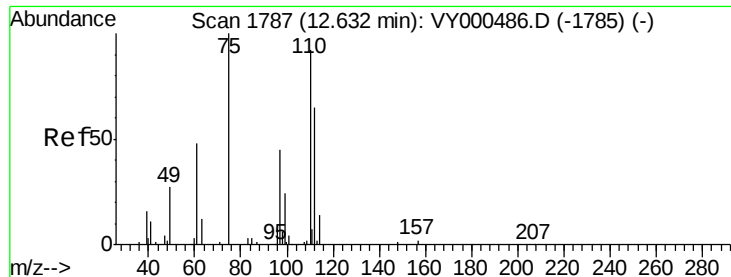
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000749.D
Acq: 20 Nov 2019 12:46

Tgt Ion:152 Resp: 36330
Ion Ratio Lower Upper
152 100
115 60.7 29.1 87.4
150 157.6 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: 48.616 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

Instrument :

MSVOA_Y

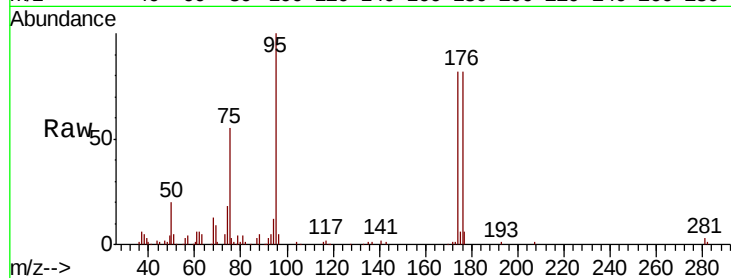
ClientSampled :

Tot Ion: 75 Resp: 20111

Ion Ratio Lower Upper

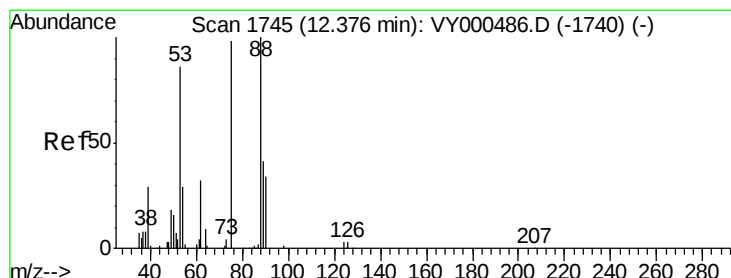
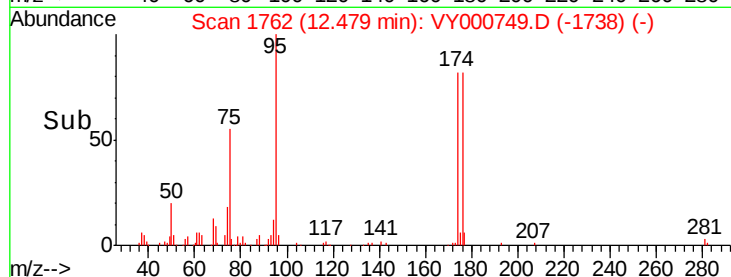
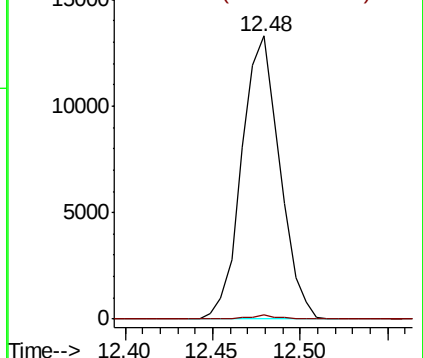
75 100

77 1.0 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: 109.005 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000749.D

Acq: 20 Nov 2019 12:46

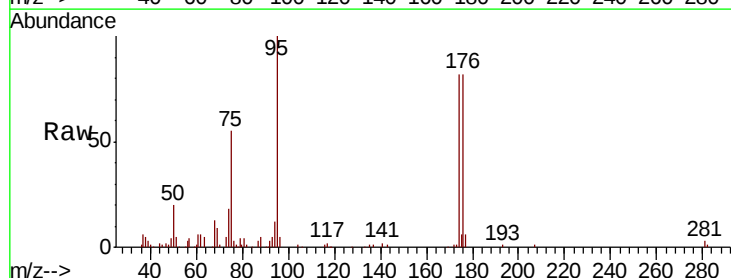
Tgt Ion: 75 Resp: 20111

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

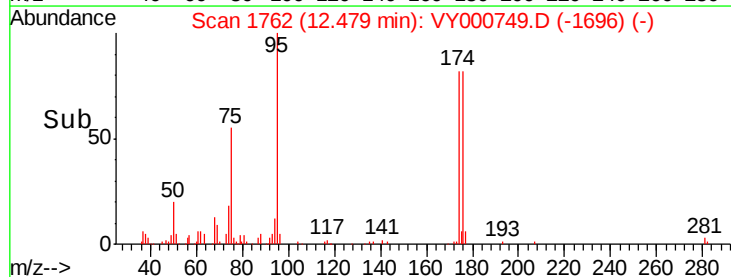
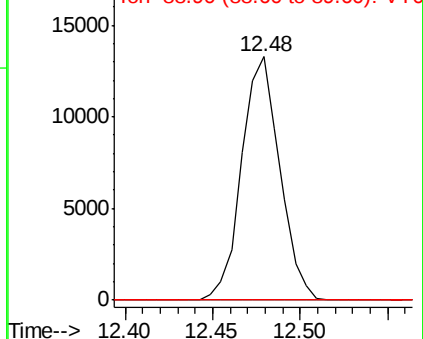
89 0.0 35.9 53.9#

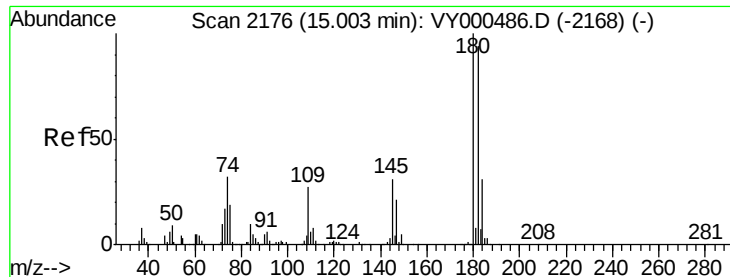


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

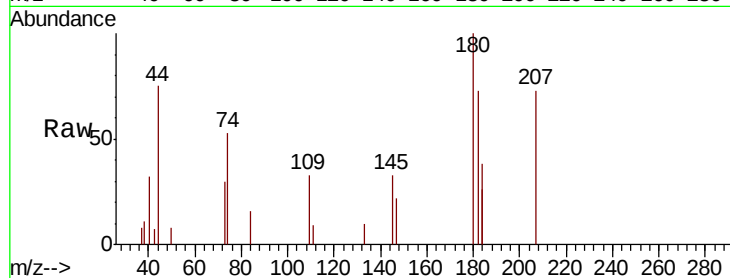




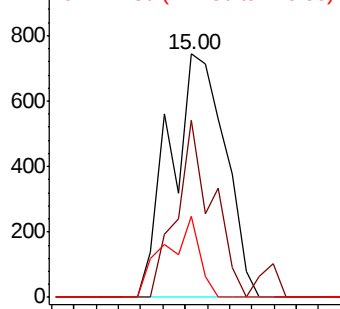
#93
 1,2,4-Trichlorobenzene
 Concen: 1.726 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000749.D
 Acq: 20 Nov 2019 12:46

Instrument :
 MSVOA_Y
 ClientSampled :

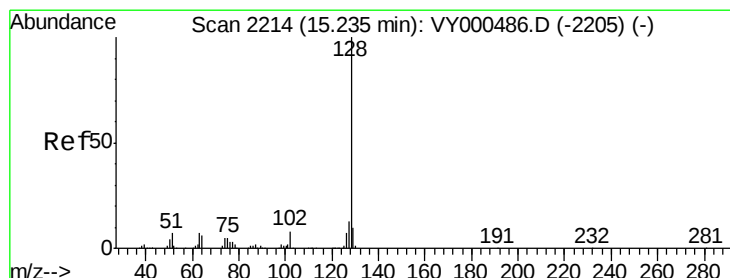
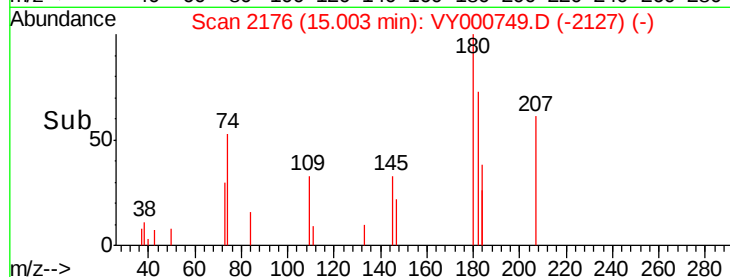
Tot Ion:180 Resp: 1272
 Ion Ratio Lower Upper
 180 100
 182 47.7 47.8 143.4#
 145 20.8 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

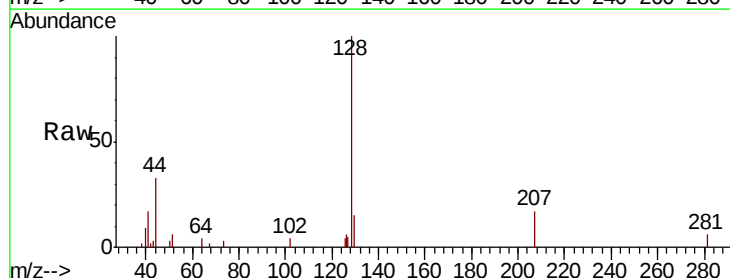


Time-->

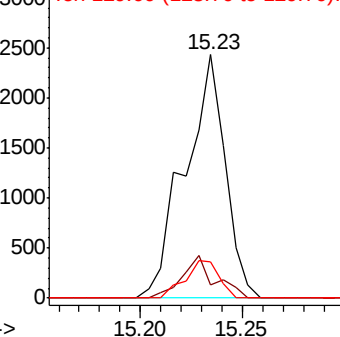


#95
 Naphthalene
 Concen: 2.043 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000749.D
 Acq: 20 Nov 2019 12:46

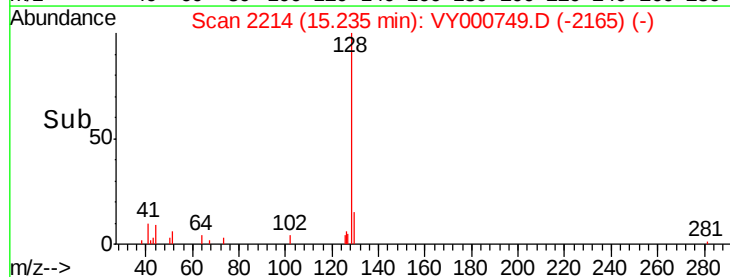
Tgt Ion:128 Resp: 3342
 Ion Ratio Lower Upper
 128 100
 127 14.0 9.8 14.6
 129 12.9 8.7 13.1

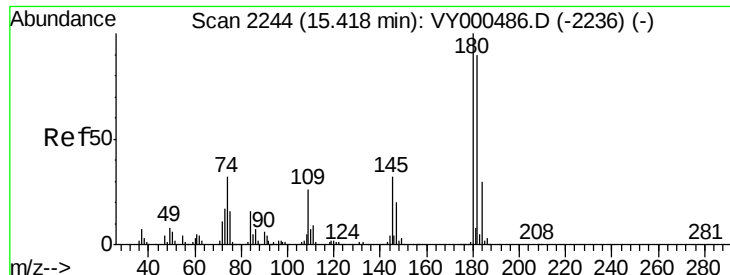


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 1.461 ug/l
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY000749.D
 Acq: 20 Nov 2019 12:46

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.9	47.4	142.3
145	37.0	15.7	47.0

