

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
 Data File : VY003529.D
 Acq On : 12 Nov 2020 13:05
 Operator : SY/MD
 Sample : L4622-07
 Misc : 6.63G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B12-110320-16-17

Quant Time: Nov 13 01:58:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	1097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.41	152	24	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	343	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	
35) Dibromofluoromethane	7.73	113	196	29.36	ug/l	0.00
Spiked Amount			Recovery	=	58.72%	
50) Toluene-d8	10.18	98	1057	38.06	ug/l	0.00
Spiked Amount			Recovery	=	76.12%	
62) 4-Bromofluorobenzene	12.49	95	86	9.35	ug/l	0.00
Spiked Amount			Recovery	=	18.70%	

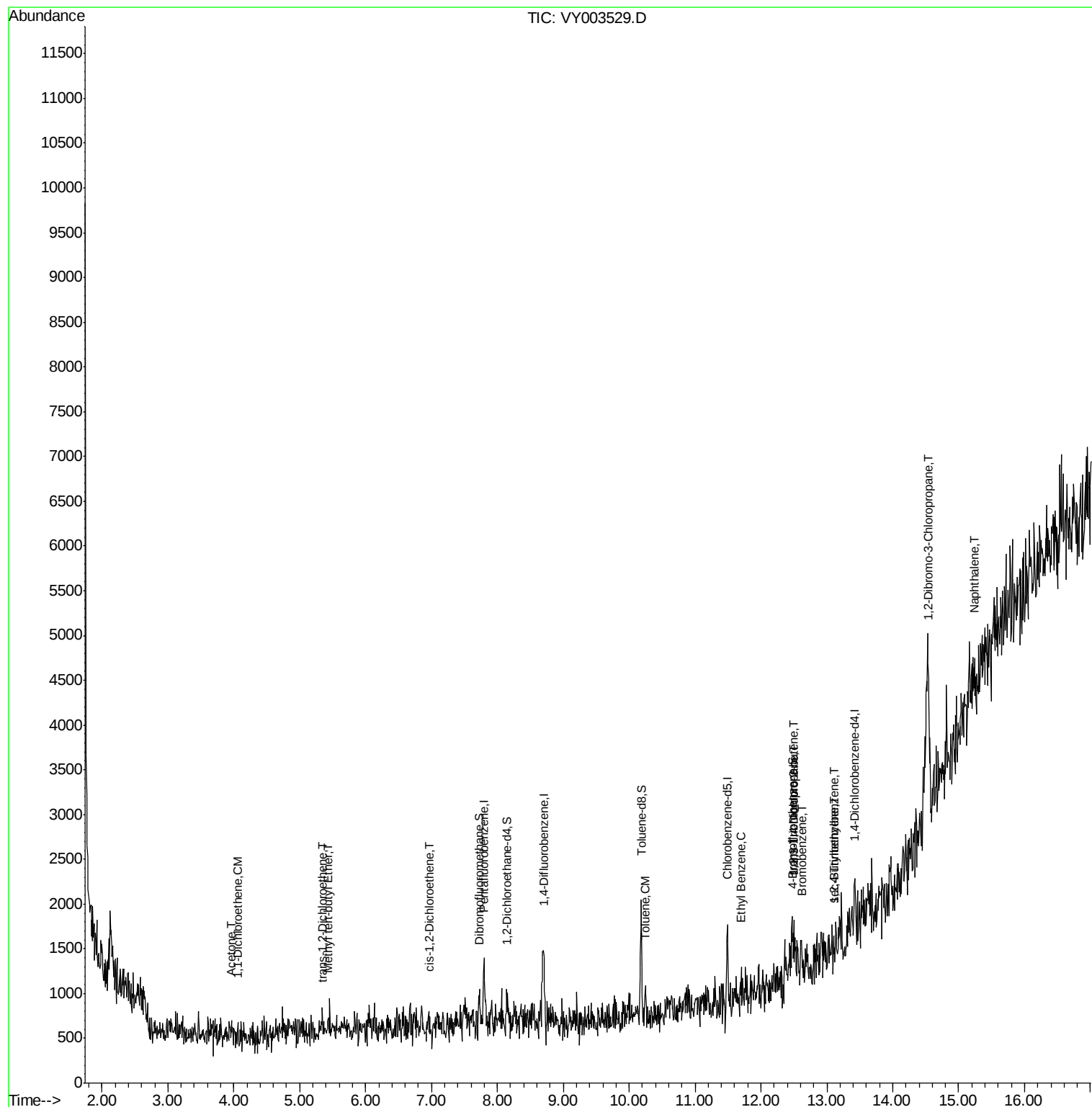
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.07	96	22	3.469	ug/l #	1
16) Acetone	3.96	43	20	7.611	ug/l #	43
19) Methyl tert-butyl Ether	5.44	73	20	1.273	ug/l #	54
21) trans-1,2-Dichloroethene	5.35	96	31	4.222	ug/l #	1
27) cis-1,2-Dichloroethene	6.97	96	19	2.388	ug/l #	1
52) Toluene	10.24	92	19	1.055	ug/l #	1
67) Ethyl Benzene	11.70	91	133	7.674	ug/l #	43
76) 1,2,3-Trichloropropane	12.49	75	19	74.822	ug/l #	100
77) Bromobenzene	12.61	156	162	406.701	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	19	156.165	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.12	105	49	37.744	ug/l #	30
85) sec-Butylbenzene	13.12	105	49	31.412	ug/l #	55
92) 1,2-Dibromo-3-Chloropropan	14.55	75	41	676.353	ug/l #	1
95) Naphthalene	15.23	128	48	51.409	ug/l #	69

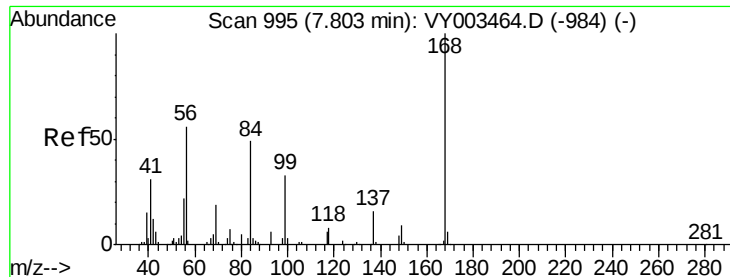
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
Data File : VY003529.D
Acq On : 12 Nov 2020 13:05
Operator : SY/MD
Sample : L4622-07
Misc : 6.63G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

Quant Time: Nov 13 01:58:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

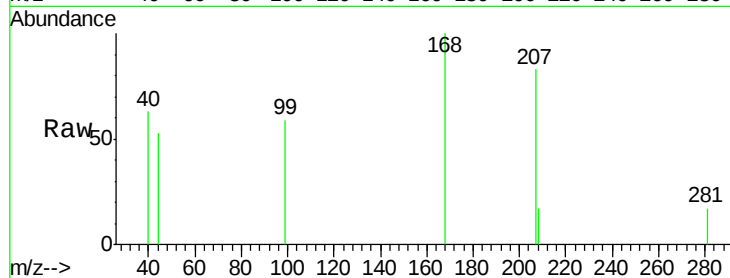
PAV-B12-110320-16-17

Tot Ion:168 Resp: 777

Ion Ratio Lower Upper

168 100

99 58.8 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY003464.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY003464.D (-984) (-)

7.80

400

300

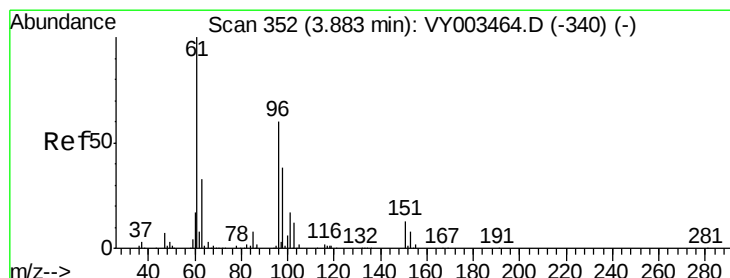
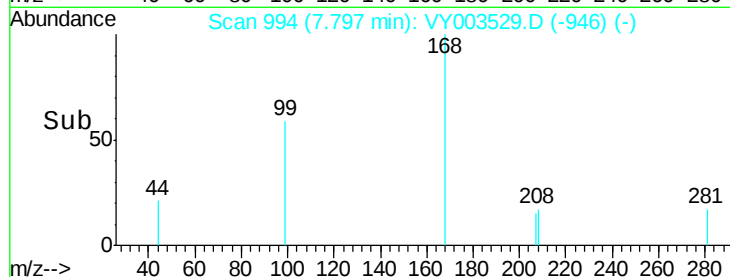
200

100

0

7.75 7.80 7.85

Time-->



#12

1,1-Dichloroethene

Concen: 3.469 ug/l

RT: 4.07 min Scan# 382

Delta R.T. 0.18 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

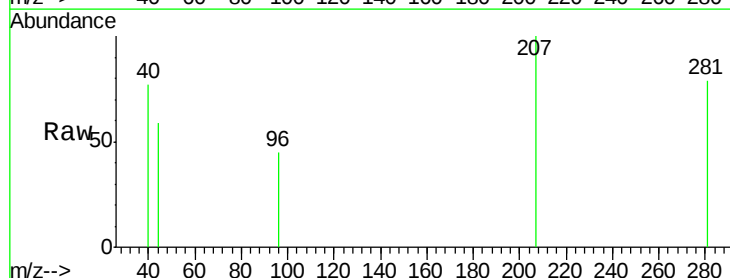
Tgt Ion: 96 Resp: 22

Ion Ratio Lower Upper

96 100

61 0.0 133.6 200.4#

98 0.0 50.2 75.2#



Abundance Ion 95.90 (95.60 to 96.60): VY003464.D (-340) (-)

Ion 60.90 (60.60 to 61.60): VY003464.D (-340) (-)

Ion 97.90 (97.60 to 98.60): VY003464.D (-340) (-)

80

60

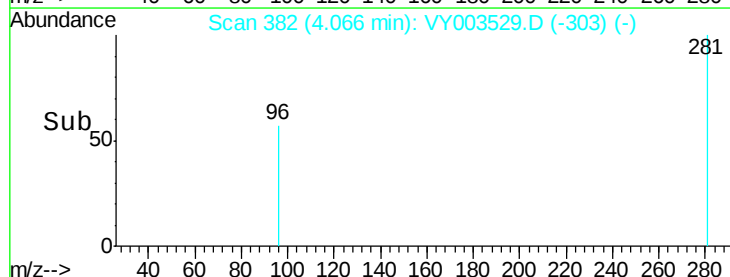
40

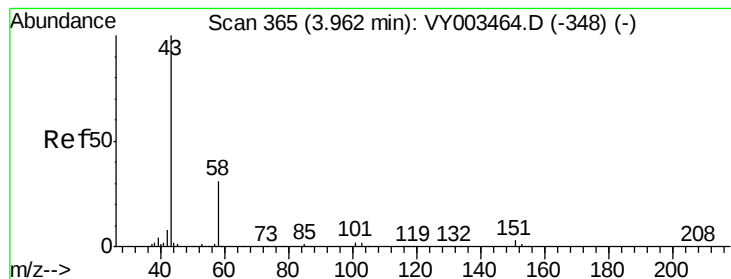
20

0

4.05 4.06 4.07 4.08

Time-->





#16

Acetone

Concen: 7.611 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

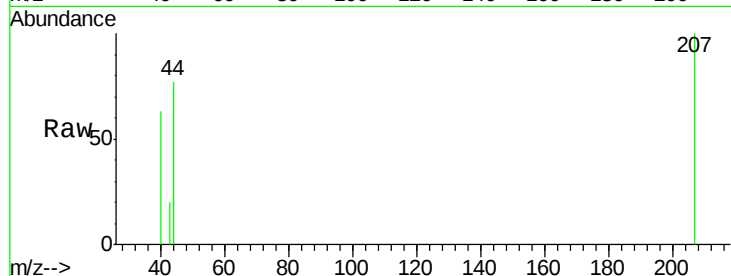
PAV-B12-110320-16-17

Tot Ion: 43 Resp: 20

Ion Ratio Lower Upper

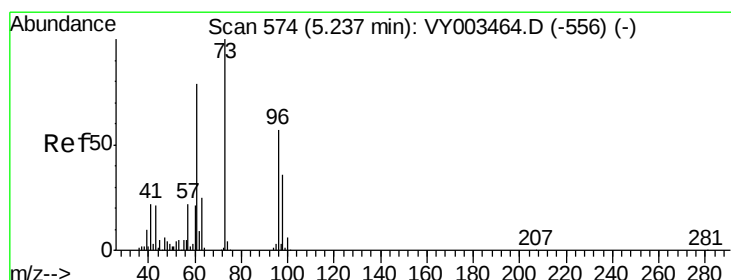
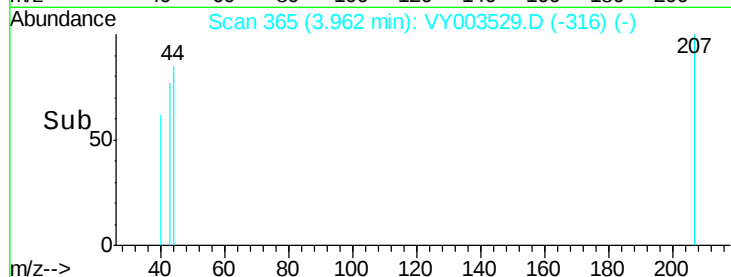
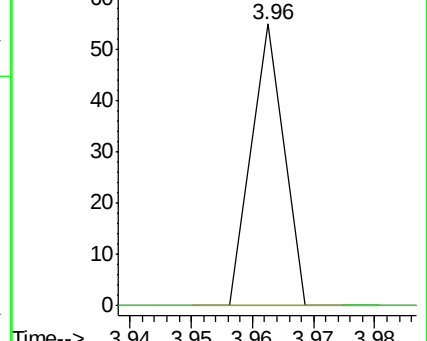
43 100

58 0.0 25.0 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#19

Methyl tert-butyl Ether

Concen: 1.273 ug/l

RT: 5.44 min Scan# 607

Delta R.T. 0.20 min

Lab File: VY003529.D

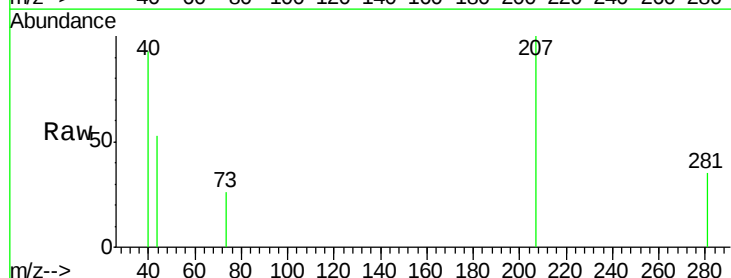
Acq: 12 Nov 2020 13:05

Tgt Ion: 73 Resp: 20

Ion Ratio Lower Upper

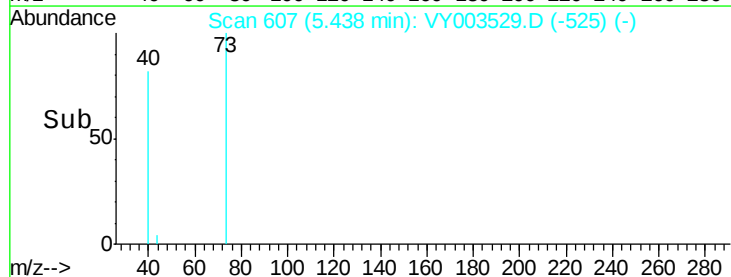
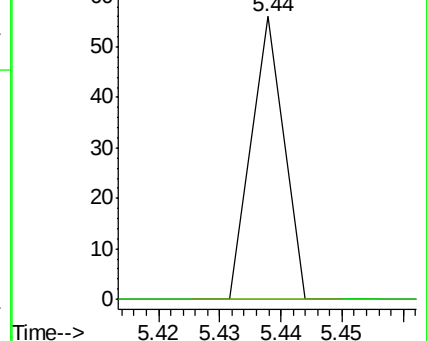
73 100

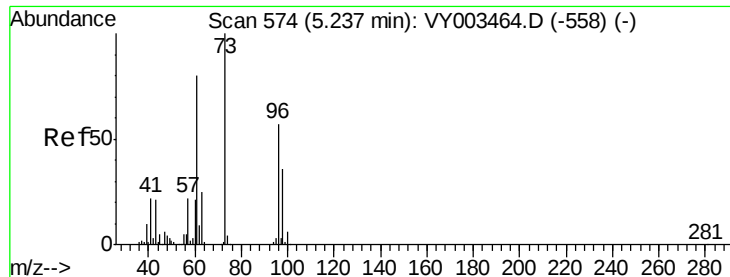
57 0.0 17.2 25.8#



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#21

trans-1,2-Dichloroethene

Concen: 4.222 ug/l

RT: 5.35 min Scan# 593

Delta R.T. 0.12 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B12-110320-16-17

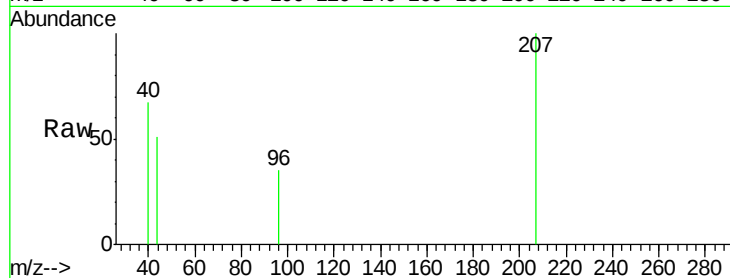
Tot Ion: 96 Resp: 31

Ion Ratio Lower Upper

96 100

61 0.0 111.3 166.9#

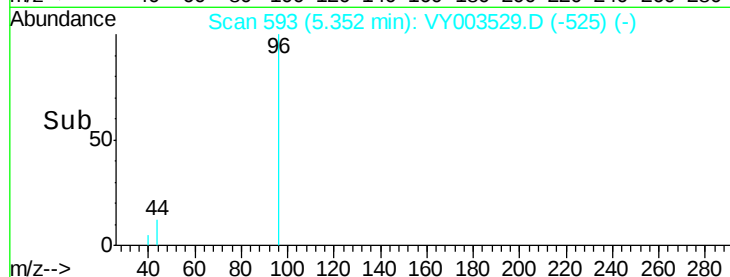
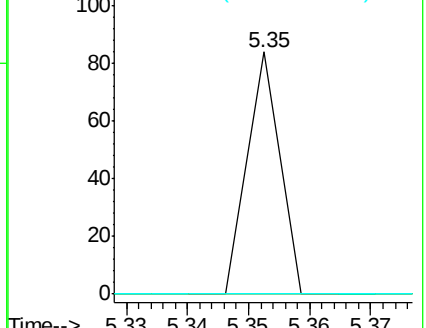
98 0.0 50.3 75.5#



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#27

cis-1,2-Dichloroethene

Concen: 2.388 ug/l

RT: 6.97 min Scan# 859

Delta R.T. -0.02 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

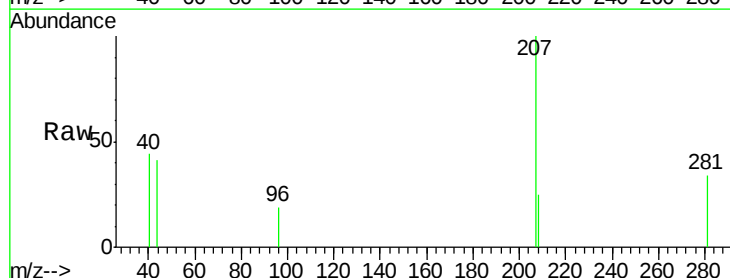
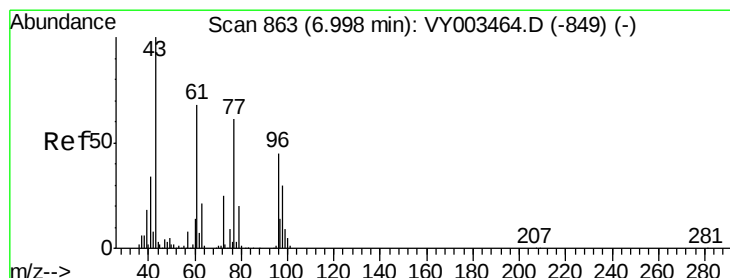
Tgt Ion: 96 Resp: 19

Ion Ratio Lower Upper

96 100

61 0.0 0.0 299.2

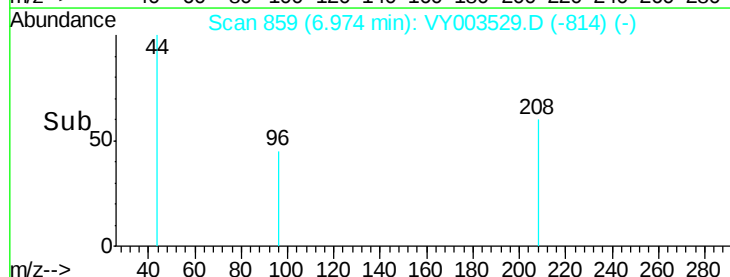
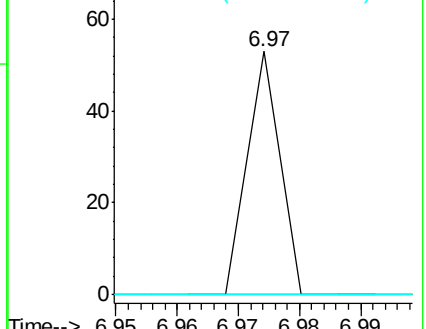
98 0.0 0.0 128.6

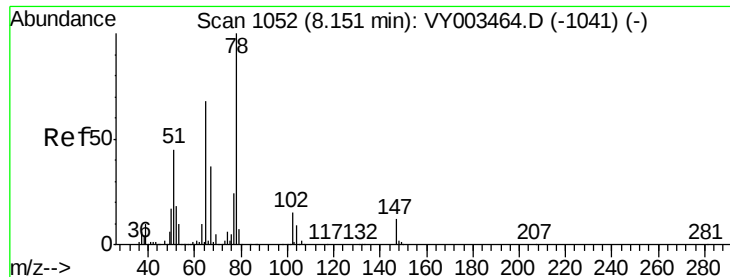


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

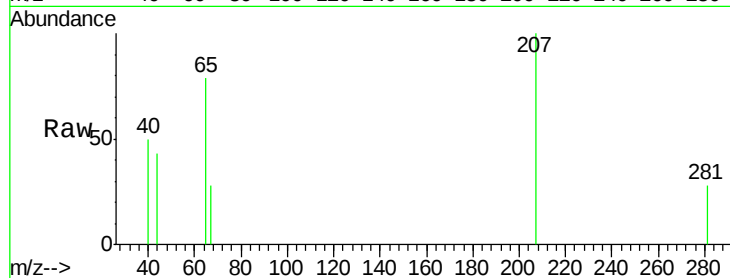




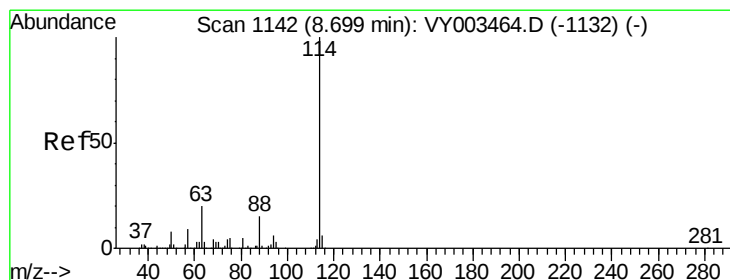
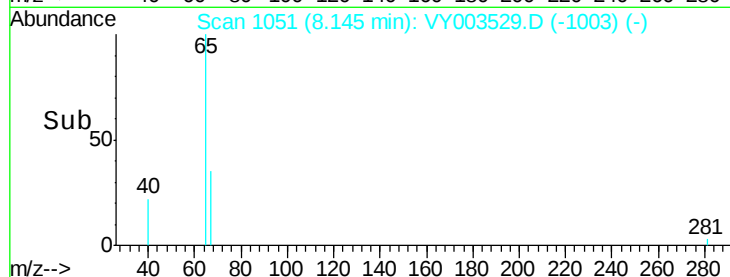
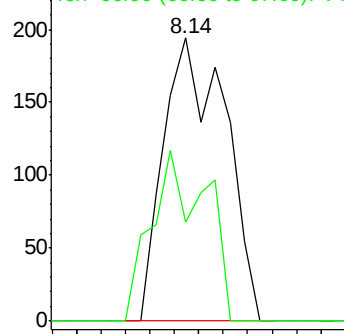
#33
 1,2-Dichloroethane-d4
 Concen: 43.060 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY003529.D
 Acq: 12 Nov 2020 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B12-110320-16-17

Tot Ion: 65 Resp: 343
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.0

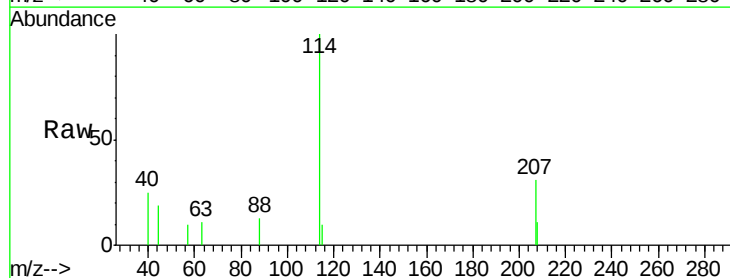


Abundance Ion 64.90 (64.60 to 65.60): VY0
 Ion 66.90 (66.60 to 67.60): VY0

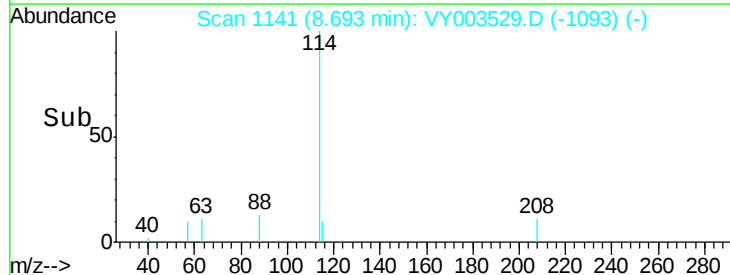
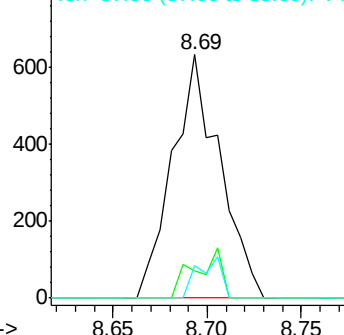


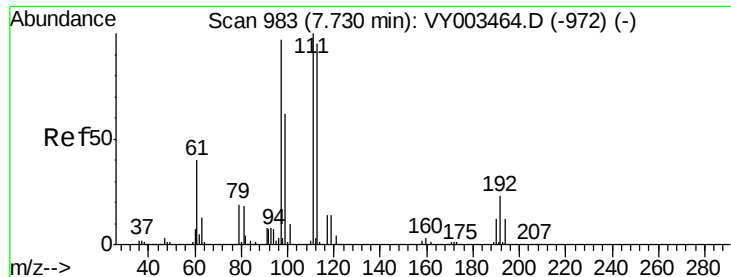
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003529.D
 Acq: 12 Nov 2020 13:05

Tgt Ion: 114 Resp: 1097
 Ion Ratio Lower Upper
 114 100
 63 11.2 0.0 40.6
 88 13.1 0.0 29.4



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

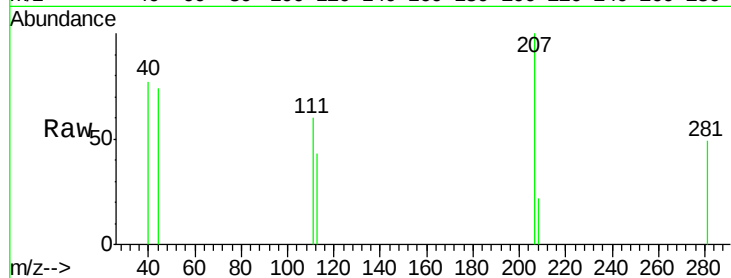




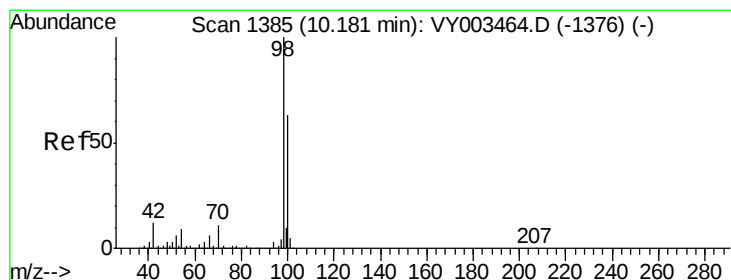
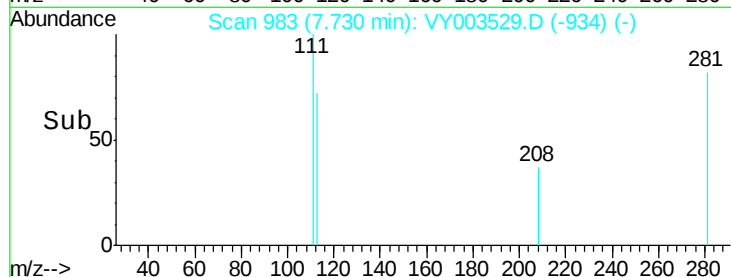
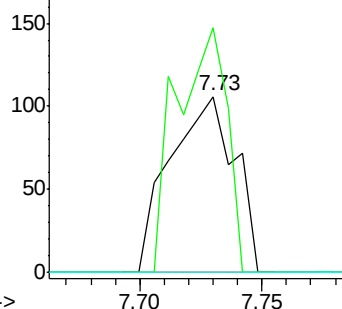
#35
Dibromofluoromethane
Concen: 29.361 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY003529.D
Acq: 12 Nov 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

Tot Ion:113 Resp: 196
Ion Ratio Lower Upper
113 100
111 108.7 81.8 122.6
192 0.0 18.8 28.2#

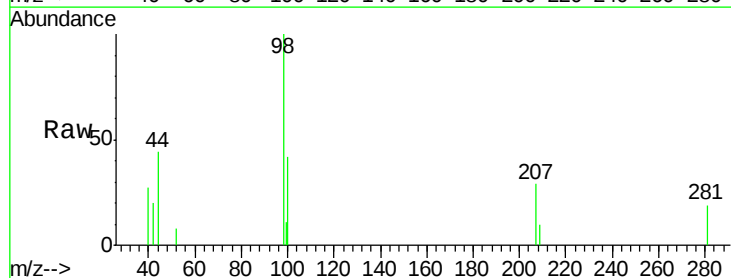


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

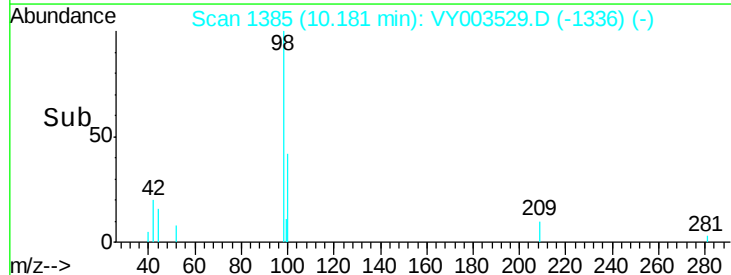
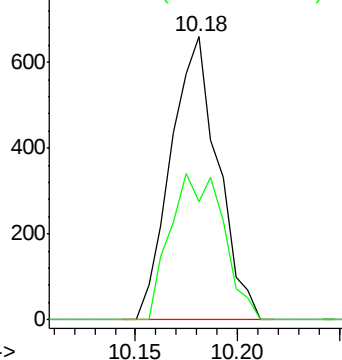


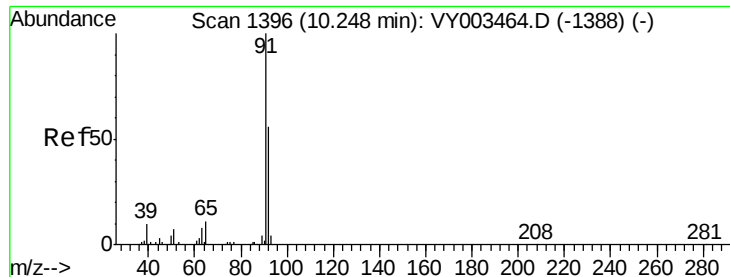
#50
Toluene-d8
Concen: 38.062 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003529.D
Acq: 12 Nov 2020 13:05

Tgt Ion: 98 Resp: 1057
Ion Ratio Lower Upper
98 100
100 58.2 50.9 76.3



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





#52

Toluene

Concen: 1.055 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

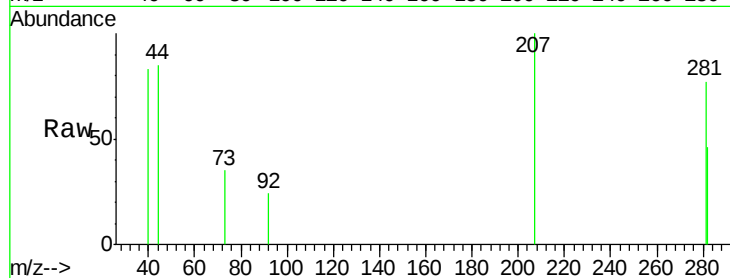
PAV-B12-110320-16-17

Tot Ion: 92 Resp: 19

Ion Ratio Lower Upper

92 100

91 0.0 140.2 210.4#

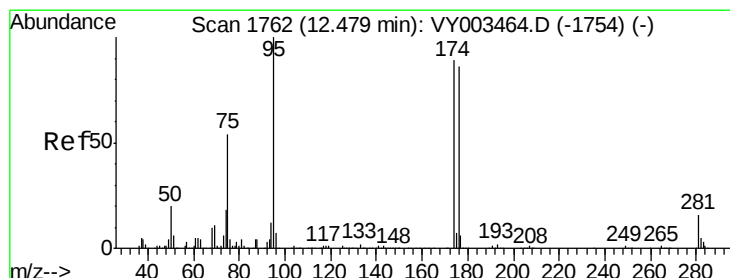
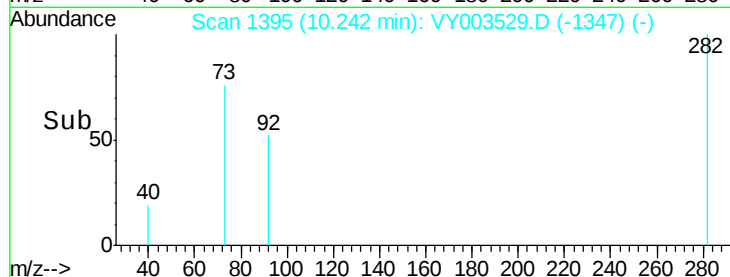


Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.24

Time--> 10.22 10.24 10.26



#62

4-Bromofluorobenzene

Concen: 9.347 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

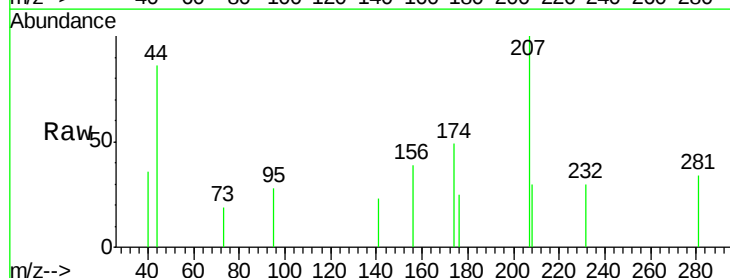
Tgt Ion: 95 Resp: 86

Ion Ratio Lower Upper

95 100

174 162.8 0.0 193.0

176 102.3 0.0 187.4



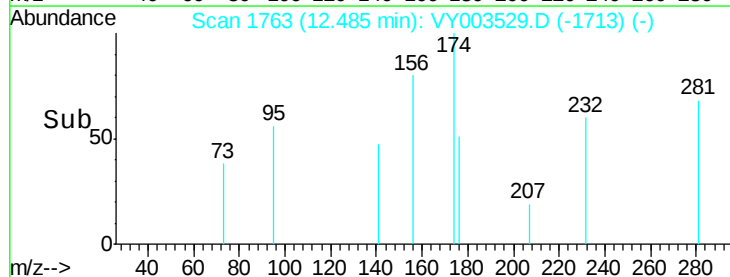
Abundance Ion 94.90 (94.60 to 95.60): VY0

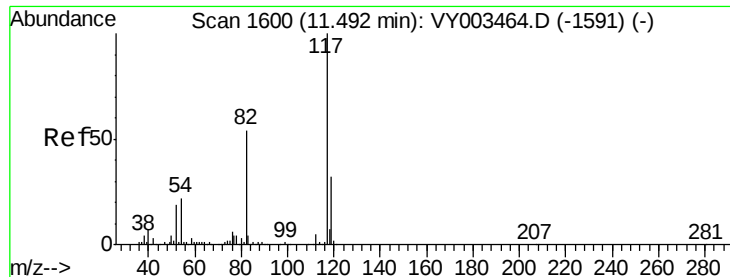
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

Time--> 12.46 12.48 12.50

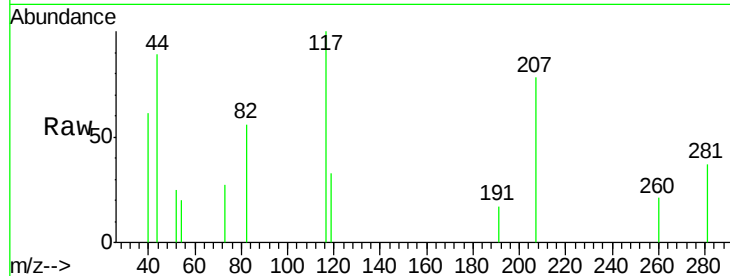




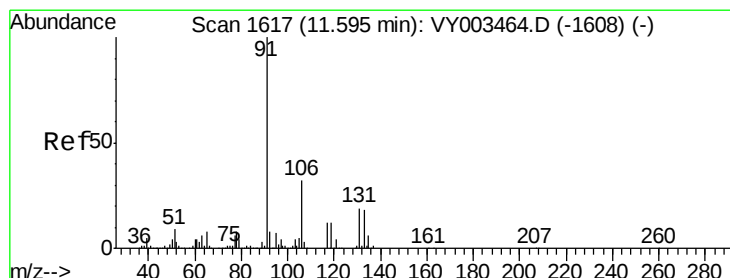
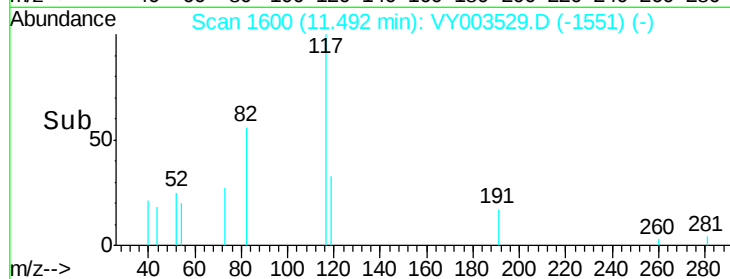
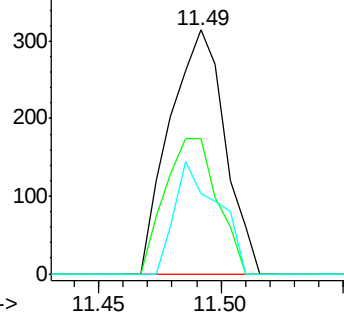
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003529.D
Acq: 12 Nov 2020 13:05

Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

Tot Ion:117 Resp: 492
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.2
119 33.1 25.8 38.6

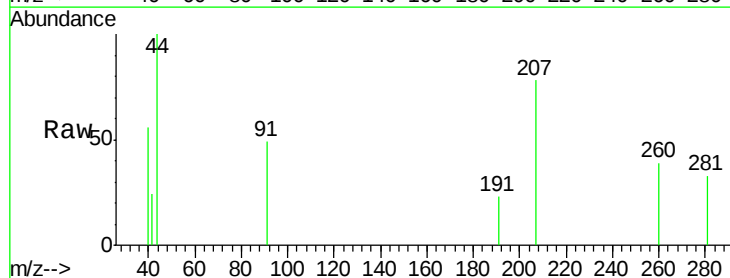


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

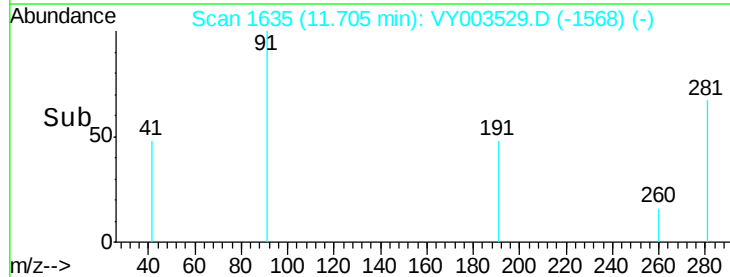
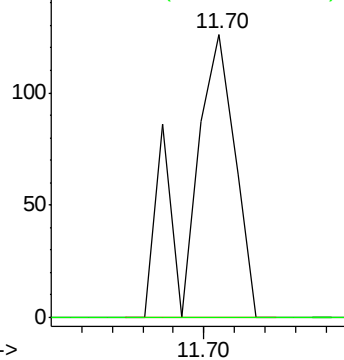


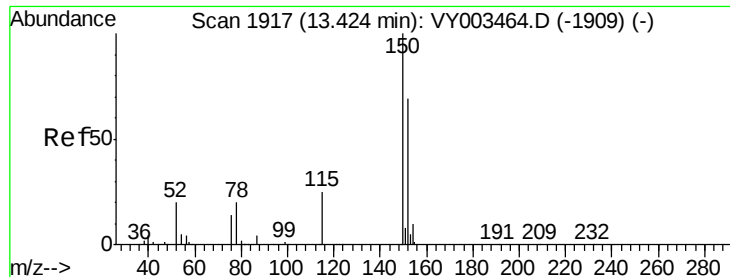
#67
Ethyl Benzene
Concen: 7.674 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.11 min
Lab File: VY003529.D
Acq: 12 Nov 2020 13:05

Tgt Ion: 91 Resp: 133
Ion Ratio Lower Upper
91 100
106 0.0 25.4 38.0#



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.41 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B12-110320-16-17

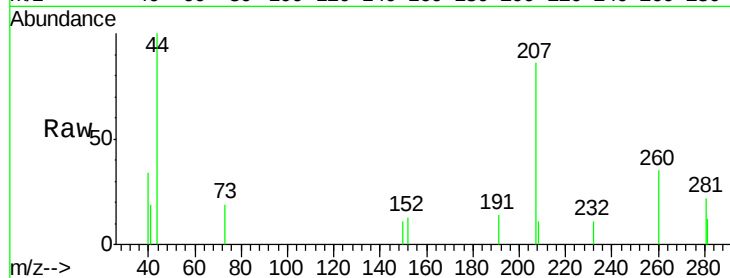
Tot Ion:152 Resp: 24

Ion Ratio Lower Upper

152 100

115 0.0 27.5 82.4#

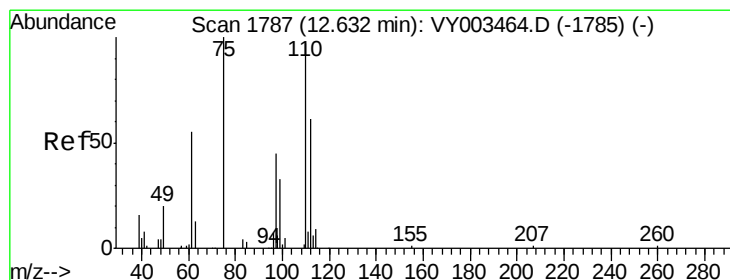
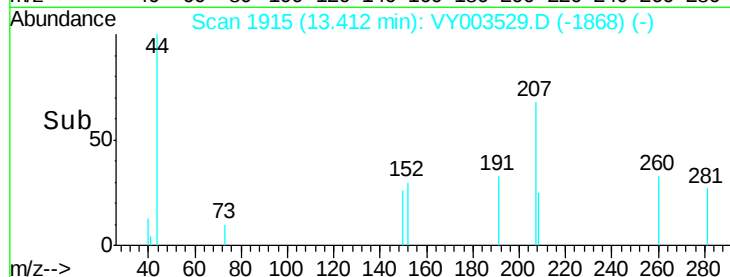
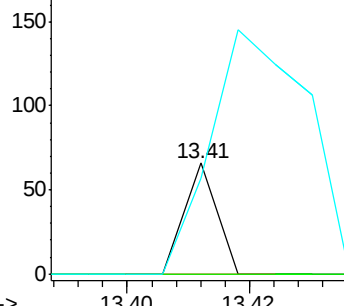
150 658.3 0.0 345.8#



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: 74.822 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.14 min

Lab File: VY003529.D

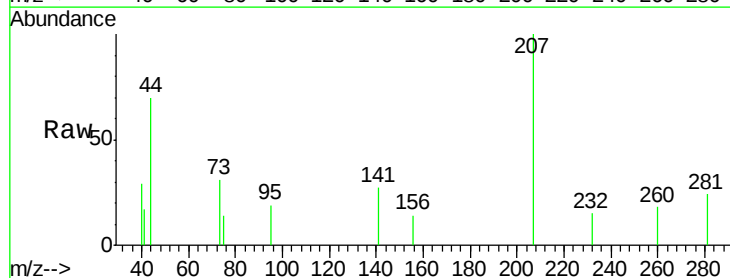
Acq: 12 Nov 2020 13:05

Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

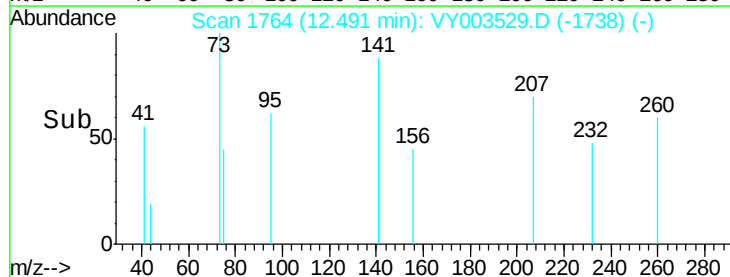
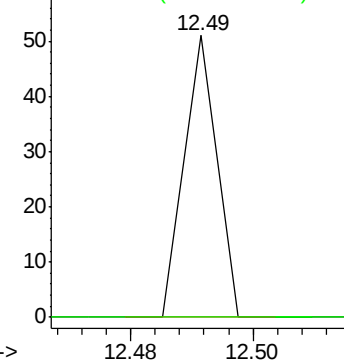
75 100

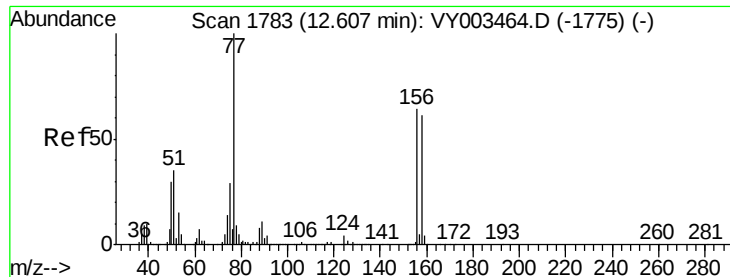
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 406.701 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B12-110320-16-17

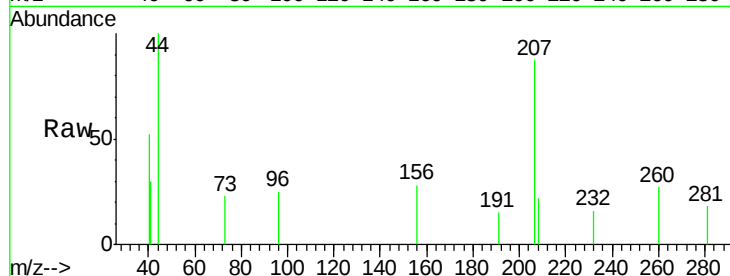
Tot Ion:156 Resp: 162

Ion Ratio Lower Upper

156 100

77 0.0 87.0 260.9#

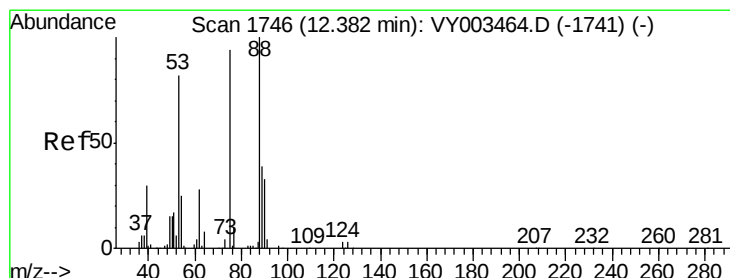
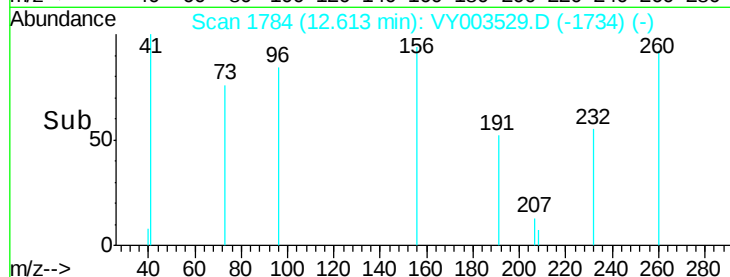
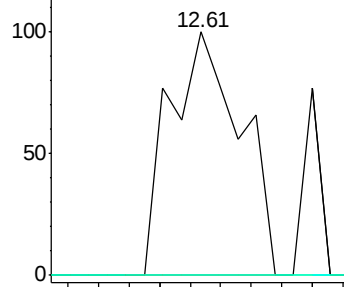
158 0.0 48.7 146.1#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 156.165 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

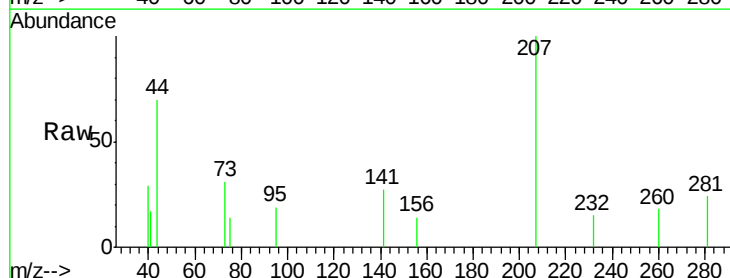
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

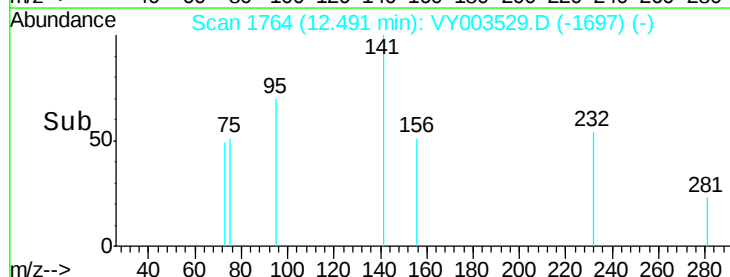
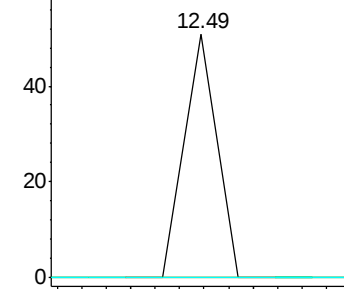
89 0.0 35.8 53.8#

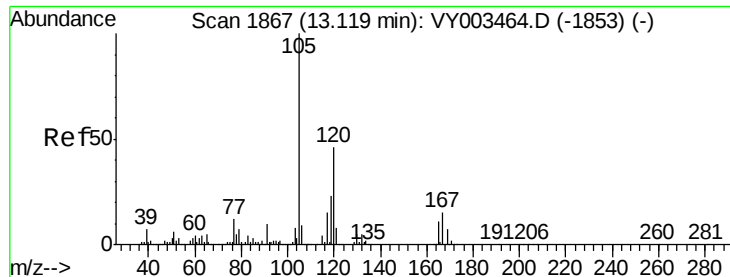


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84

1,2,4-Trimethylbenzene

Concen: 37.744 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

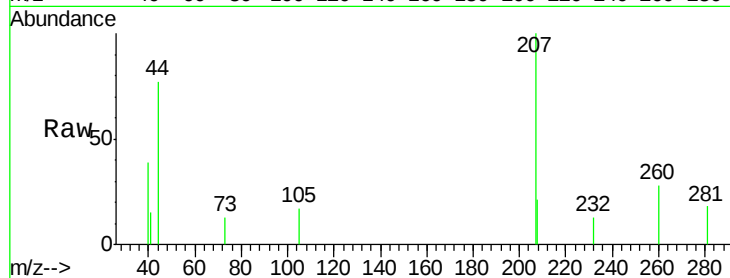
PAV-B12-110320-16-17

Tot Ion:105 Resp: 49

Ion Ratio Lower Upper

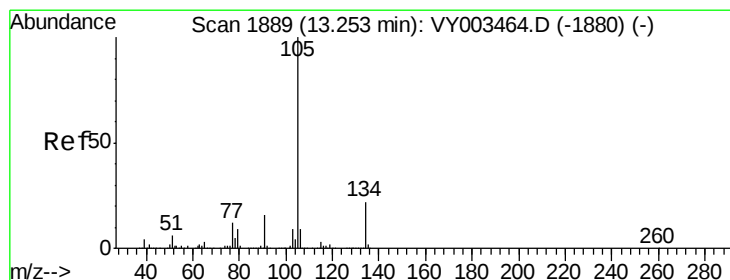
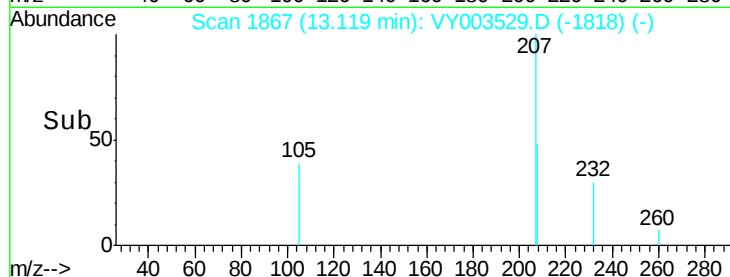
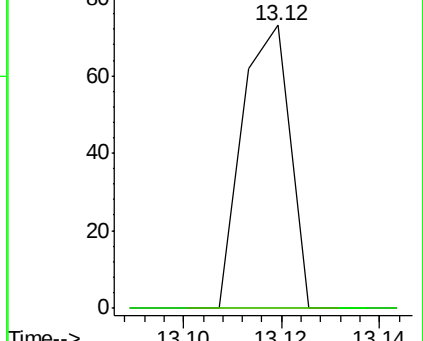
105 100

120 0.0 22.9 68.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 31.412 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.13 min

Lab File: VY003529.D

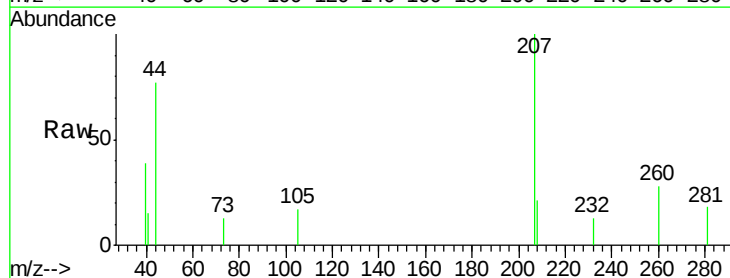
Acq: 12 Nov 2020 13:05

Tgt Ion:105 Resp: 49

Ion Ratio Lower Upper

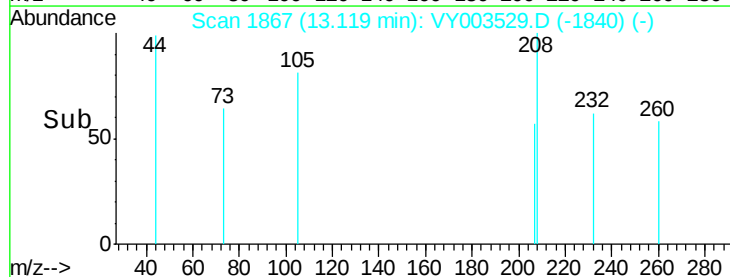
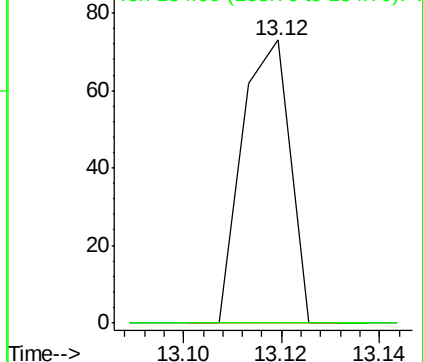
105 100

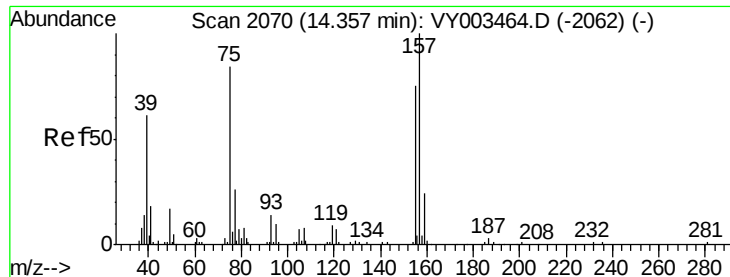
134 0.0 10.6 31.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 676.353 ug/l

RT: 14.55 min Scan# 2101

Delta R.T. 0.19 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B12-110320-16-17

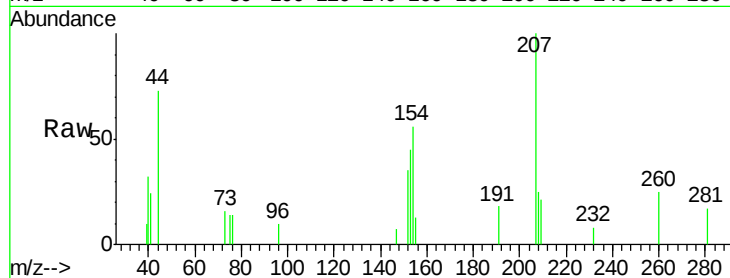
Tot Ion: 75 Resp: 41

Ion Ratio Lower Upper

75 100

155 241.5 45.6 136.7#

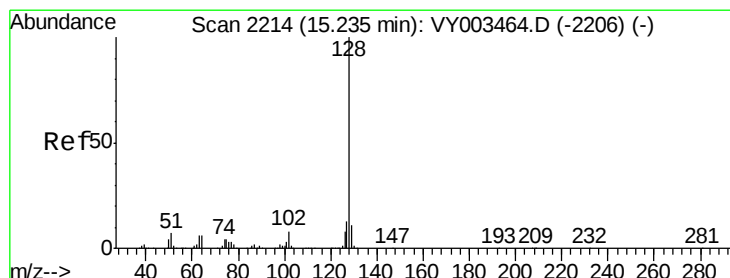
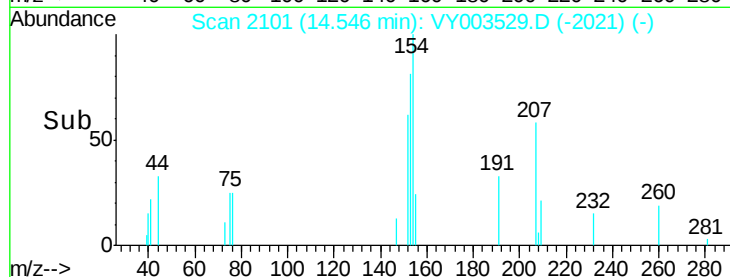
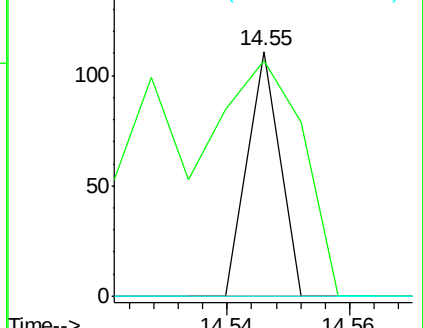
157 0.0 60.3 180.8#



Abundance Ion 74.90 (74.60 to 75.60): VY003464.D (-2062) (-)

Ion 154.80 (154.50 to 155.50): VY003464.D (-2062) (-)

Ion 156.80 (156.50 to 157.50): VY003464.D (-2062) (-)



#95

Naphthalene

Concen: 51.409 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003529.D

Acq: 12 Nov 2020 13:05

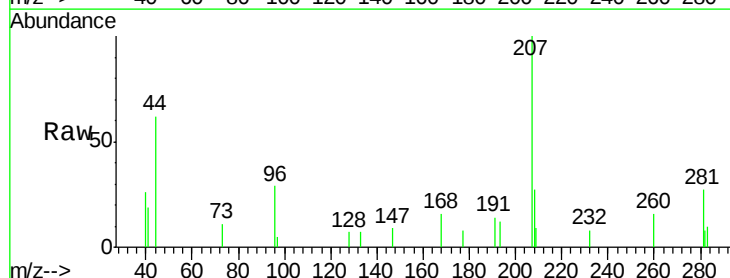
Tgt Ion: 128 Resp: 48

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VY003464.D (-2206) (-)

Ion 127.00 (126.70 to 127.70): VY003464.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VY003464.D (-2206) (-)

