

Data File : VY000856.D
Acq On : 04 Dec 2019 12:27
Operator : SY/MD
Sample : K6119-06
Misc : 4.35G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

Quant Time: Dec 05 07:53:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	119624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	222429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	194526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	83333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	74263	58.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.84%	
35) Dibromofluoromethane	7.73	113	62588	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	10.18	98	262327	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.48	95	84717	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	

Target Compounds

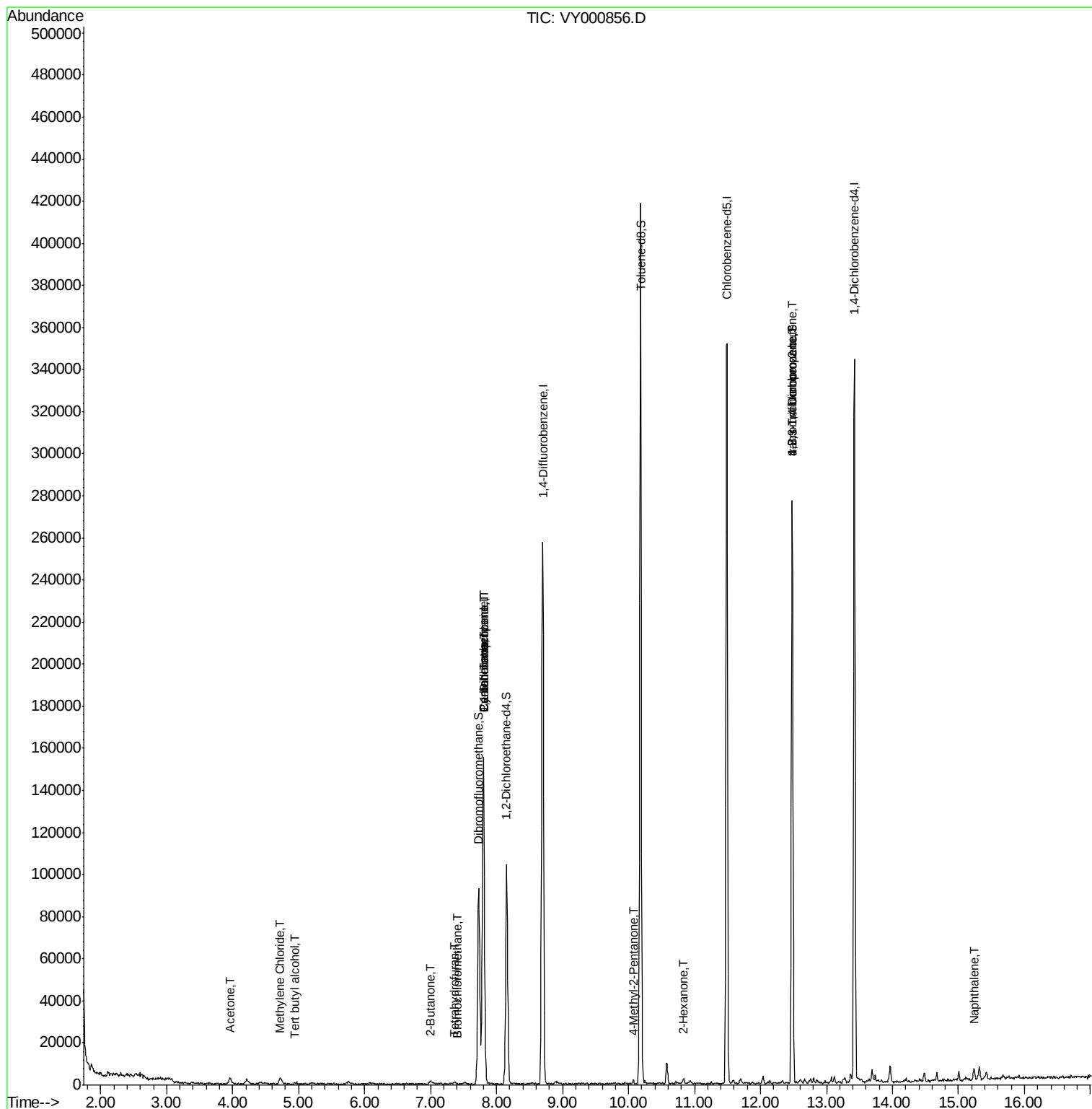
						Qvalue
5) Bromomethane	2.63	94	56	Below Cal	#	3
11) Tert butyl alcohol	4.94	59	404	3.159	ug/l #	74
16) Acetone	3.96	43	4226	14.493	ug/l #	54
20) Methylene Chloride	4.71	84	2593	1.687	ug/l #	71
25) 2-Butanone	7.00	43	934	1.734	ug/l #	49
28) Bromochloromethane	7.39	49	23	2.039	ug/l #	15
29) Tetrahydrofuran	7.36	42	469	1.314	ug/l #	76
31) Cyclohexane	7.80	56	2731	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10302	4.658	ug/l #	47
38) Carbon Tetrachloride	7.80	117	11708	5.944	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1270	1.021	ug/l	98
59) 2-Hexanone	10.83	43	1585	1.749	ug/l	90
76) 1,2,3-Trichloropropane	12.48	75	43004	45.548	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	43004	89.469	ug/l #	17
95) Naphthalene	15.23	128	4055	1.017	ug/l #	93

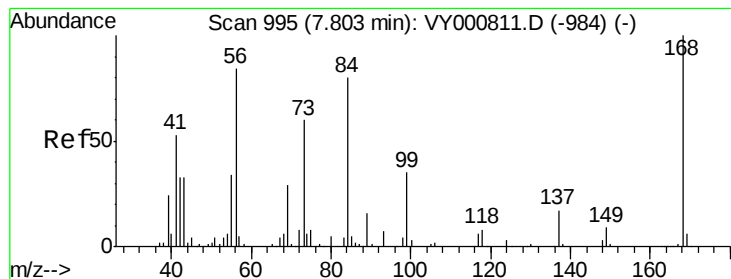
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

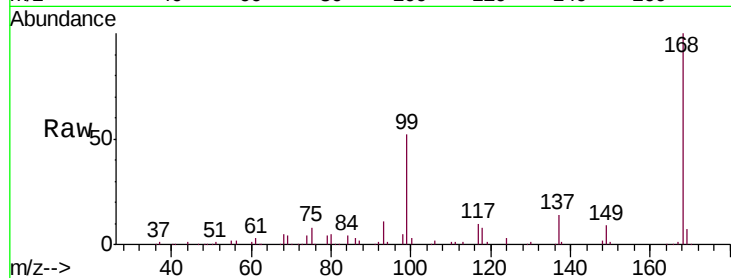
SB-4-(8-10)

Tgt Ion:168 Resp: 119624

Ion Ratio Lower Upper

168 100

99 52.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

60000

50000

40000

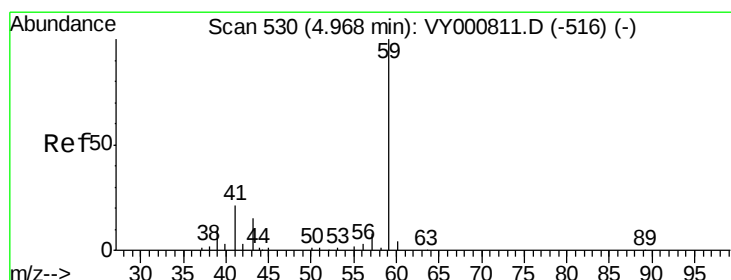
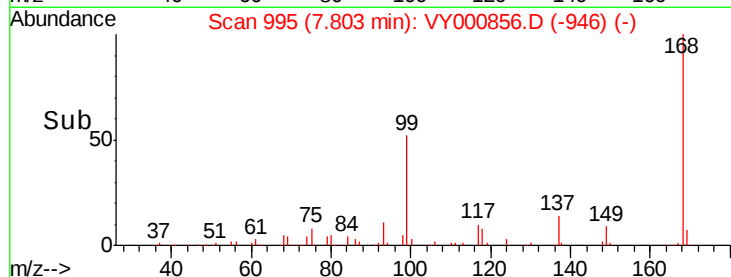
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.159 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY000856.D

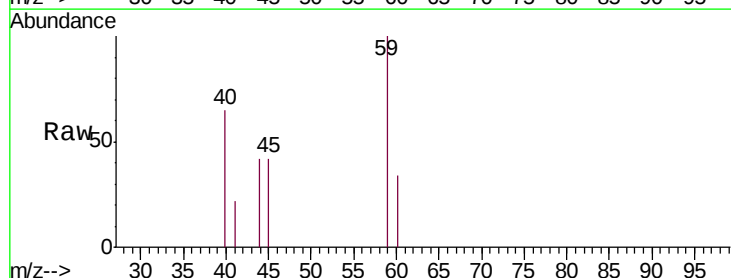
Acq: 04 Dec 2019 12:27

Tgt Ion: 59 Resp: 404

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000811.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY000811.D (-516) (-)

4.94

250

200

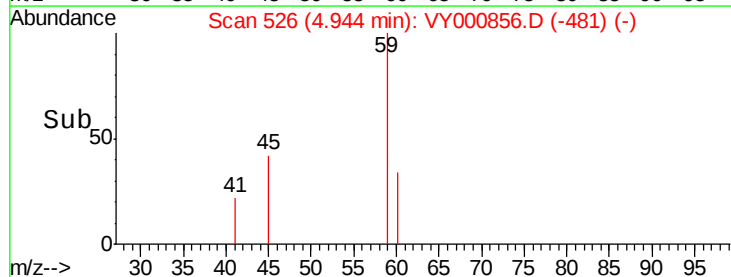
150

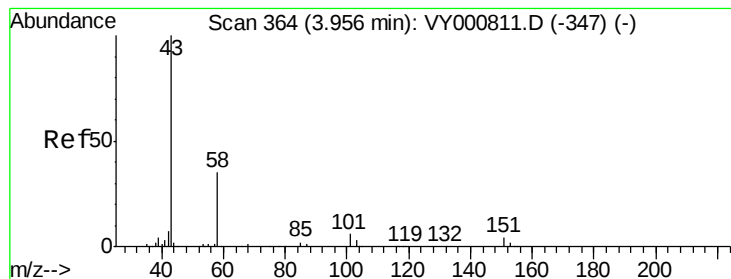
100

50

0

Time-->





#16

Acetone

Concen: 14.493 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

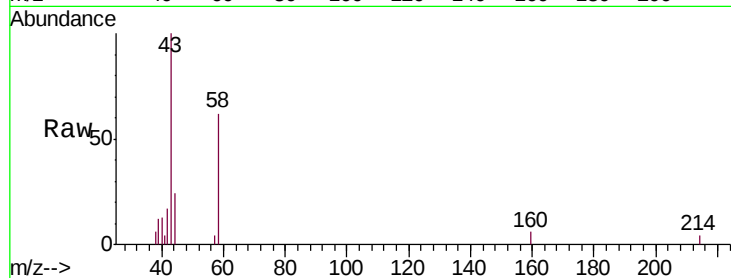
SB-4-(8-10)

Tgt Ion: 43 Resp: 4226

Ion Ratio Lower Upper

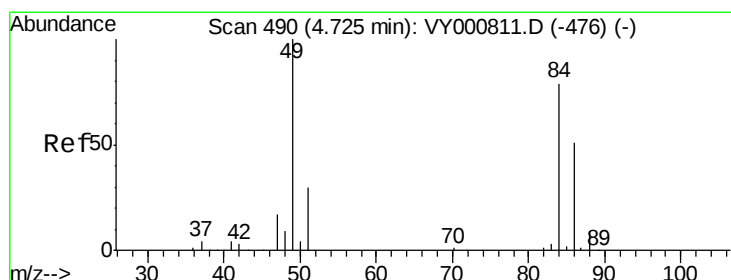
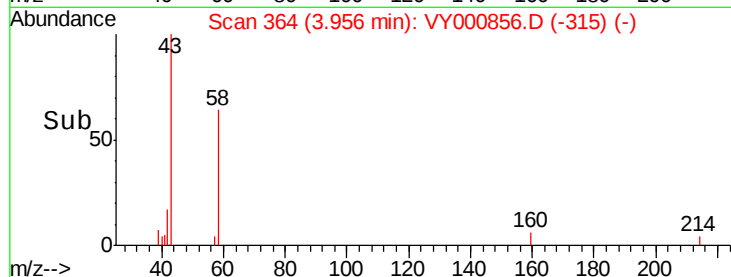
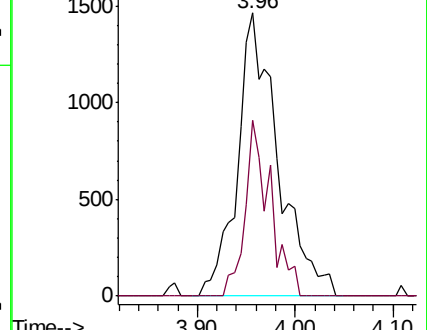
43 100

58 61.9 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)



#20

Methylene Chloride

Concen: 1.687 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Tgt Ion: 84 Resp: 2593

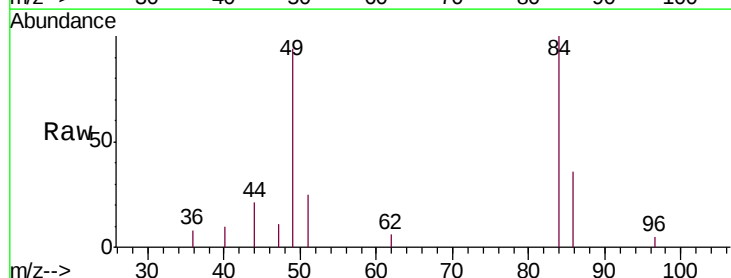
Ion Ratio Lower Upper

84 100

49 94.4 101.3 151.9#

51 25.2 30.6 45.8#

86 35.6 51.3 76.9#

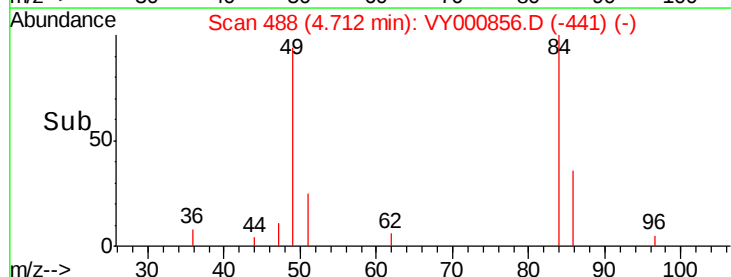
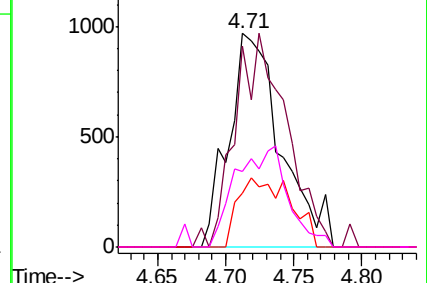


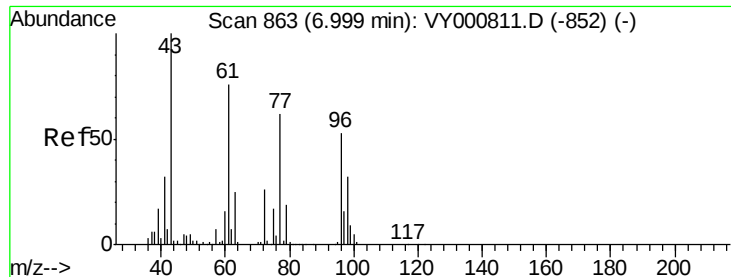
Abundance Ion 83.90 (83.60 to 84.60): VY000811.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY000811.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY000811.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY000811.D (-476) (-)





#25

2-Butanone

Concen: 1.734 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

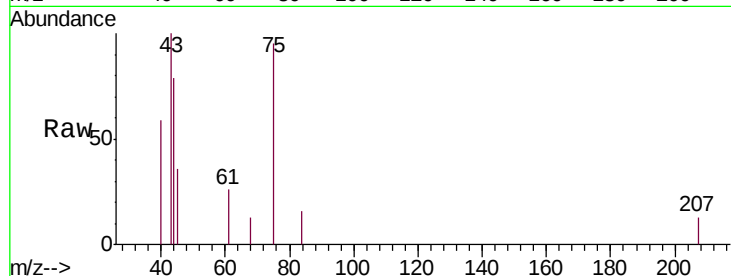
SB-4-(8-10)

Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

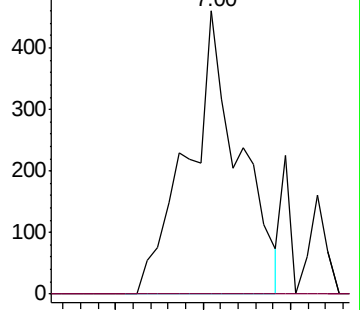
43 100

72 0.0 21.0 31.4#

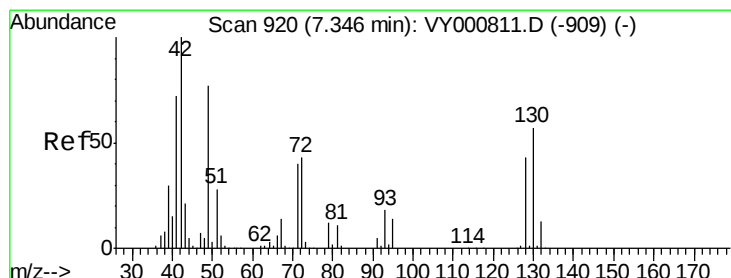
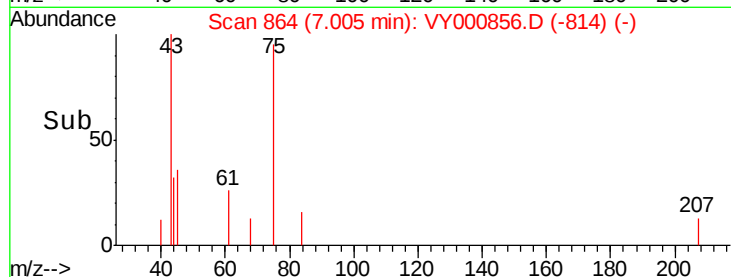


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#28

Bromochloromethane

Concen: 2.039 ug/l

RT: 7.39 min Scan# 928

Delta R.T. 0.05 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

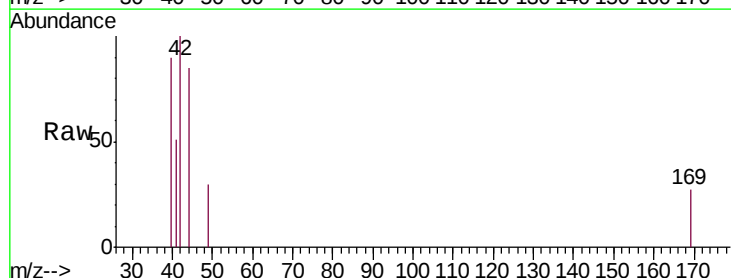
Tgt Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

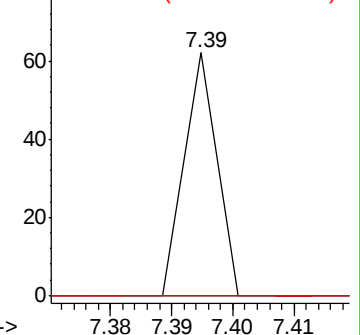
130 0.0 58.7 88.1#



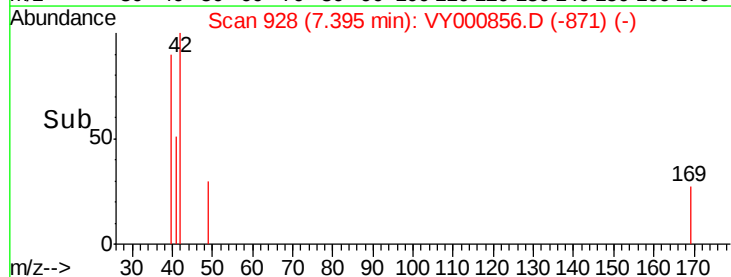
Abundance Ion 48.90 (48.60 to 49.60): VY0

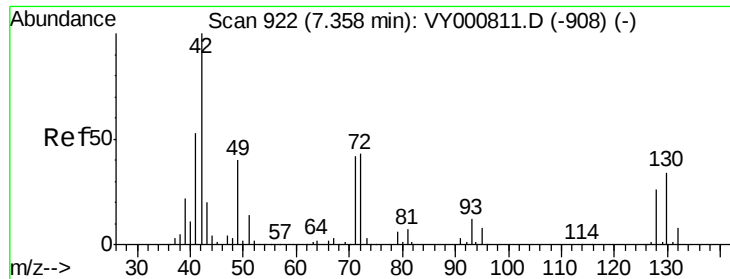
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->





#29

Tetrahydrofuran

Concen: 1.314 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampled :

SB-4-(8-10)

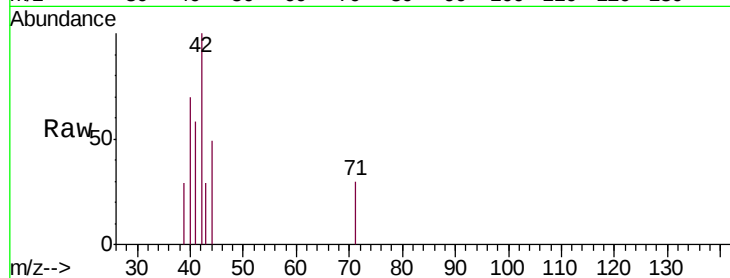
Tgt Ion: 42 Resp: 469

Ion Ratio Lower Upper

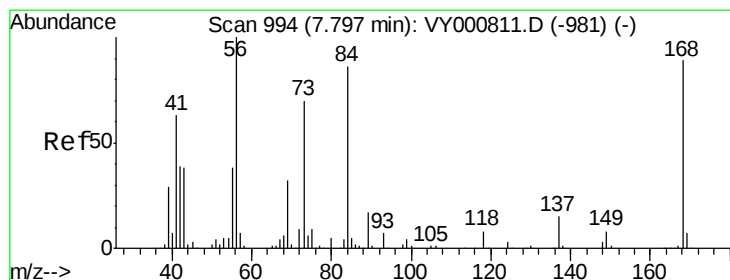
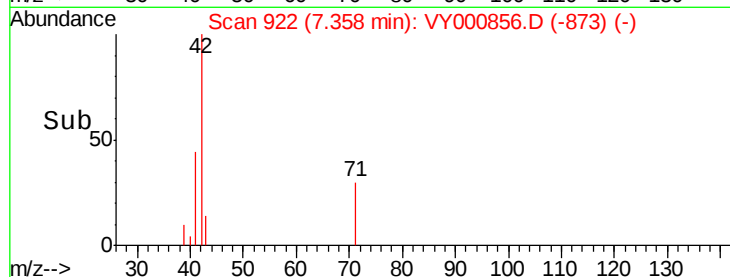
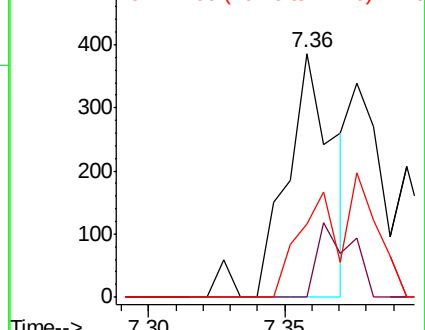
42 100

72 21.7 35.1 52.7#

71 32.8 32.8 49.2



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



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

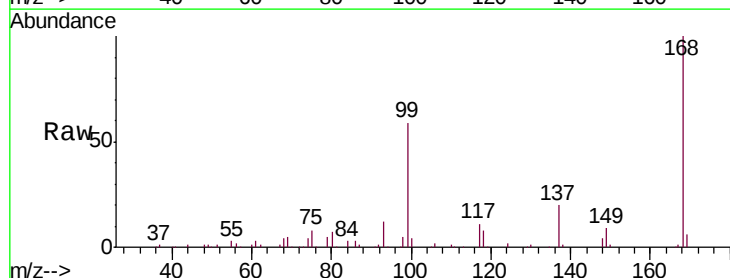
Tgt Ion: 56 Resp: 2731

Ion Ratio Lower Upper

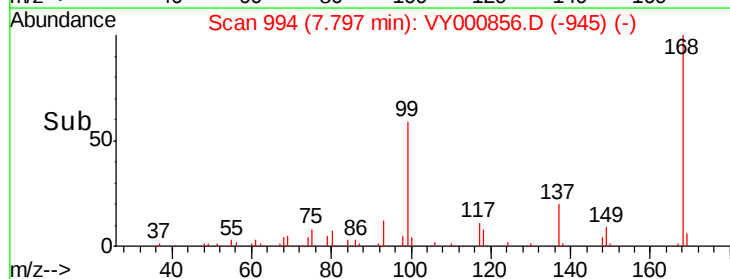
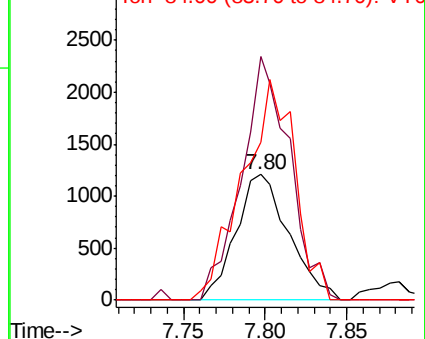
56 100

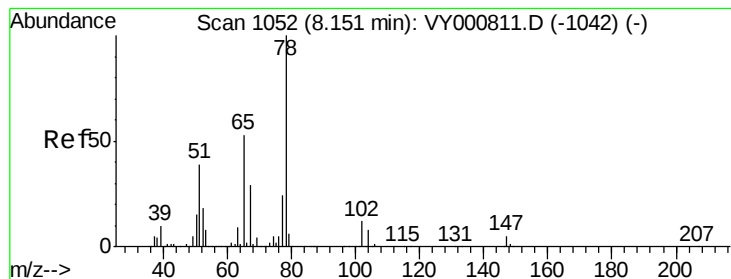
69 194.4 25.9 38.9#

84 125.6 68.6 102.8#



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: 58.424 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

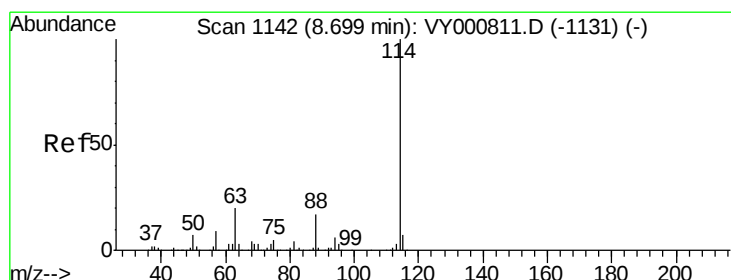
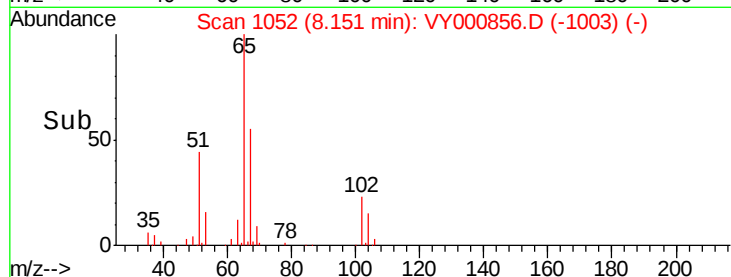
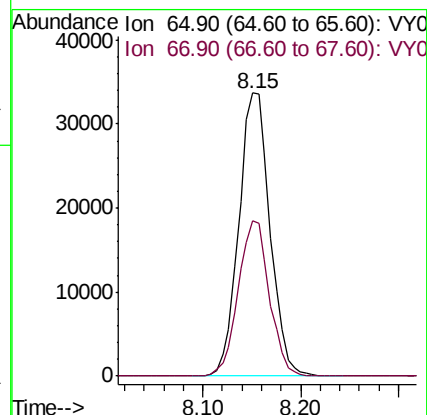
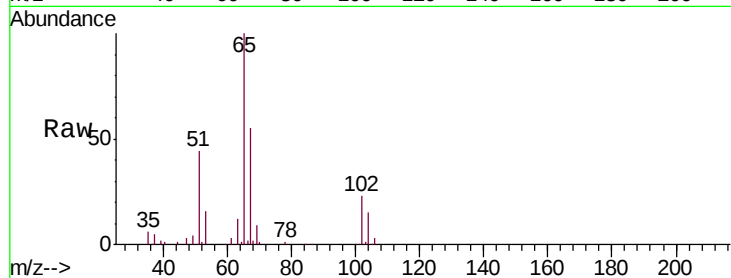
SB-4-(8-10)

Tgt Ion: 65 Resp: 74263

Ion Ratio Lower Upper

65 100

67 54.9 0.0 112.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

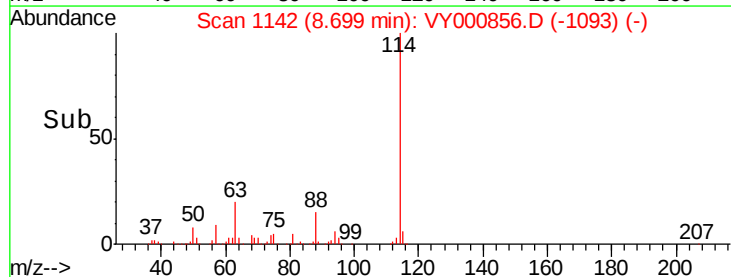
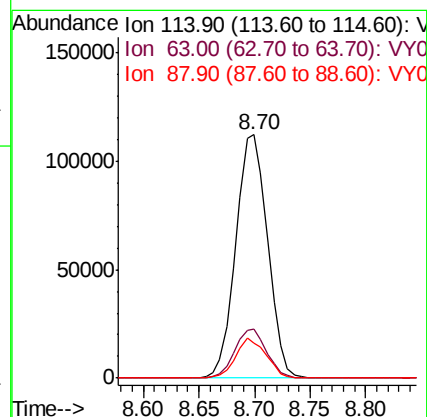
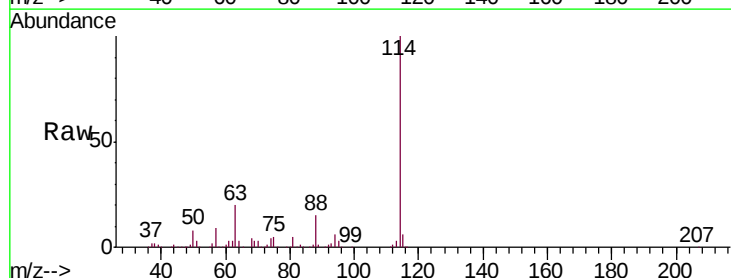
Tgt Ion: 114 Resp: 222429

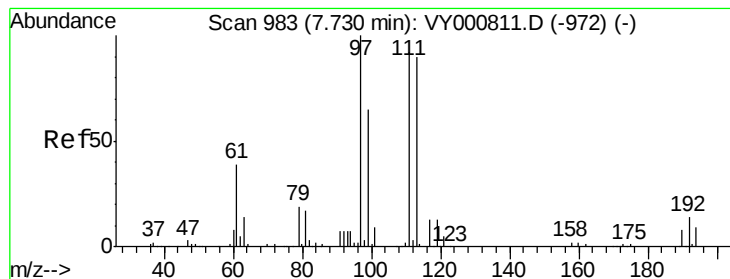
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 14.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.281 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(8-10)

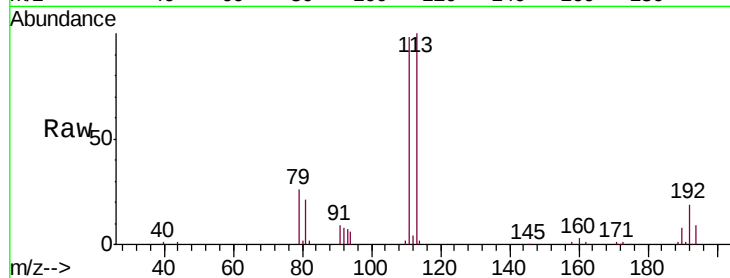
Tgt Ion:113 Resp: 62588

Ion Ratio Lower Upper

113 100

111 105.3 82.4 123.6

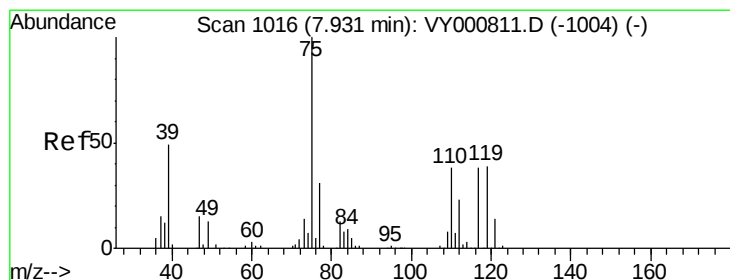
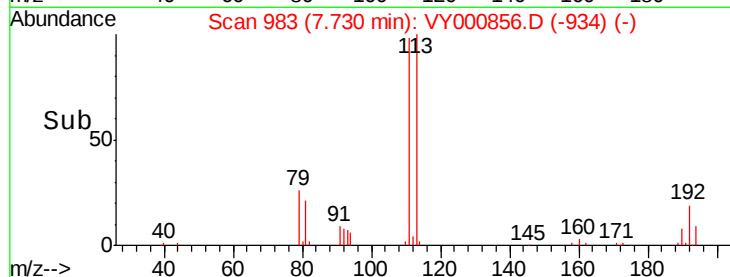
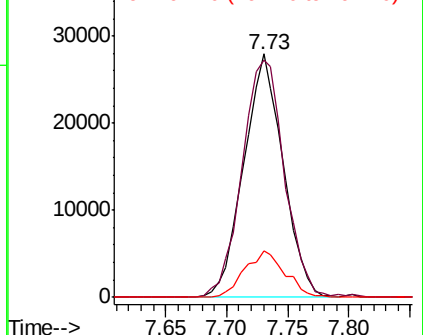
192 19.6 14.2 21.2



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



#36

1,1-Dichloropropene

Concen: 4.658 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

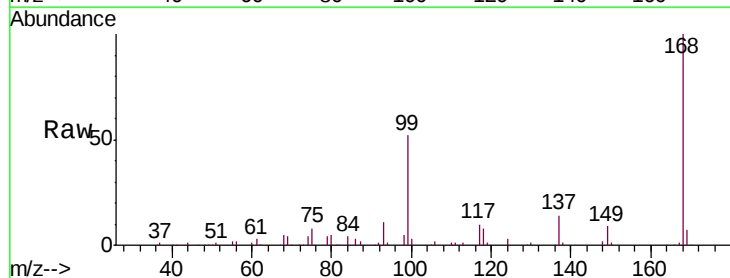
Tgt Ion: 75 Resp: 10302

Ion Ratio Lower Upper

75 100

110 6.3 17.9 53.7#

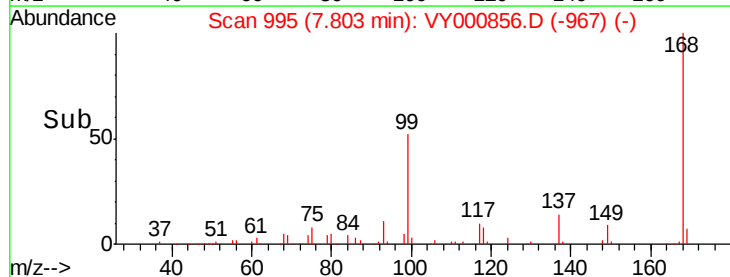
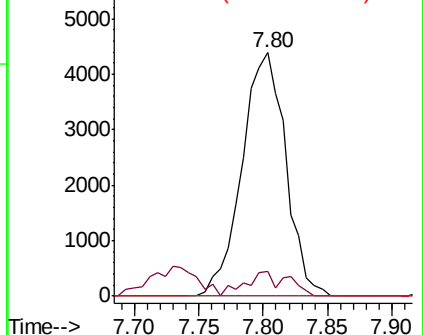
77 0.0 24.7 37.1#

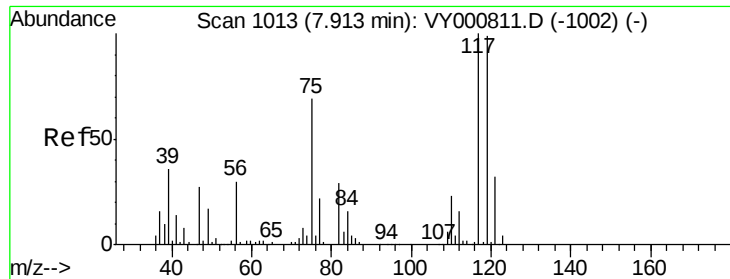


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.944 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampled :

SB-4-(8-10)

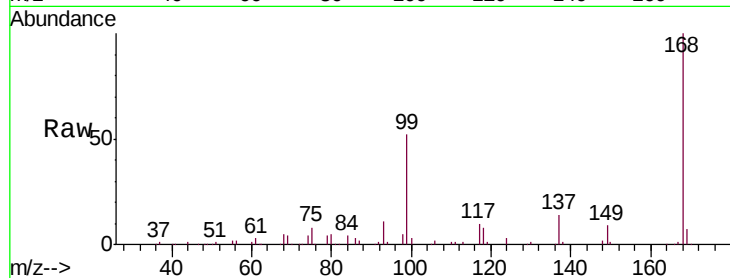
Tgt Ion: 117 Resp: 11708

Ion Ratio Lower Upper

117 100

119 5.1 79.3 118.9#

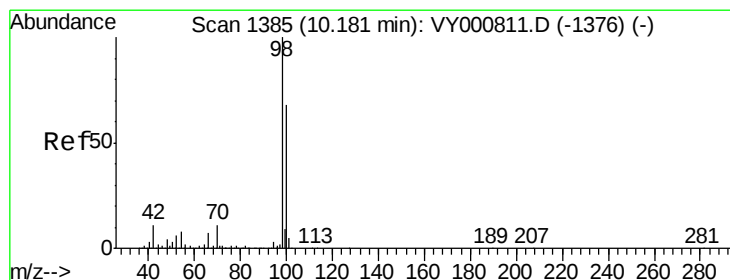
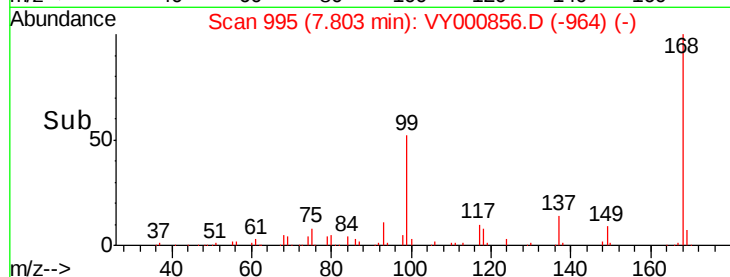
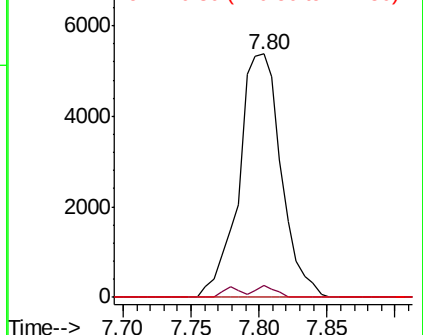
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.617 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000856.D

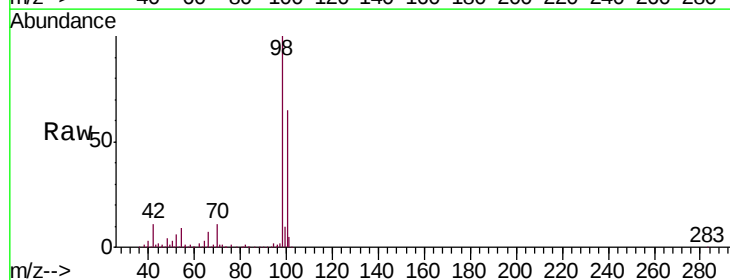
Acq: 04 Dec 2019 12:27

Tgt Ion: 98 Resp: 262327

Ion Ratio Lower Upper

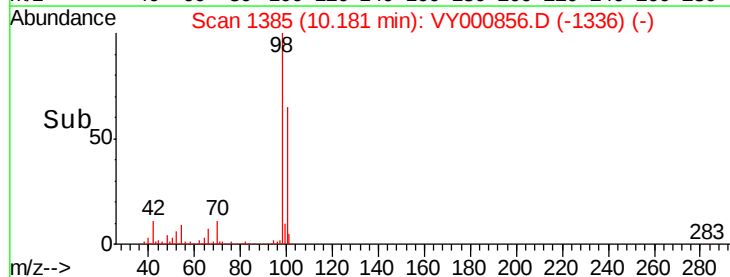
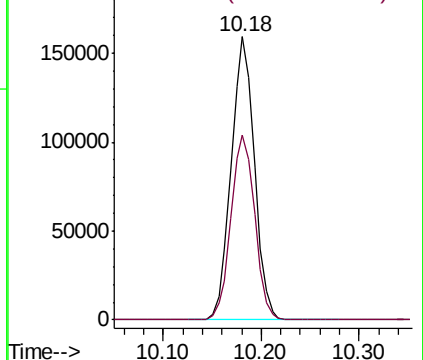
98 100

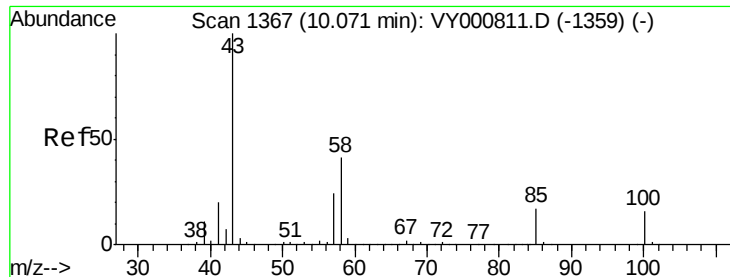
100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.021 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

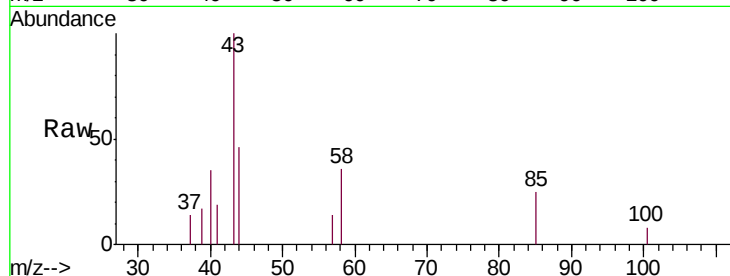
SB-4-(8-10)

Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

58 40.1 33.1 49.7



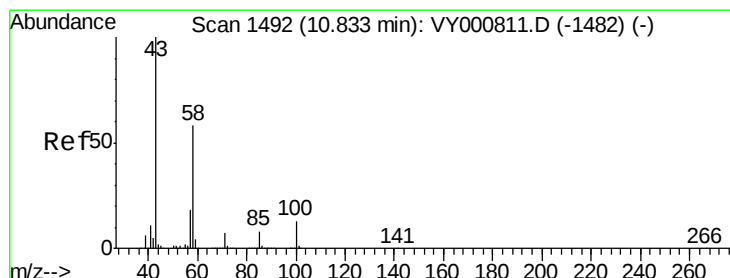
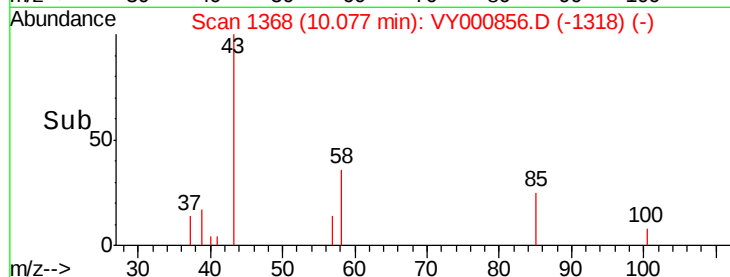
Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-1359) (-)

10.08

10.05 10.10

Time-->



#59

2-Hexanone

Concen: 1.749 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000856.D

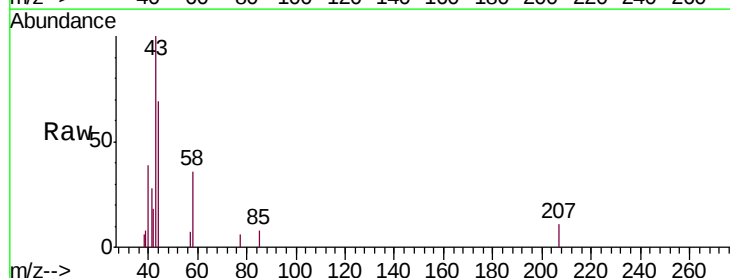
Acq: 04 Dec 2019 12:27

Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

43 100

58 50.3 29.0 87.1



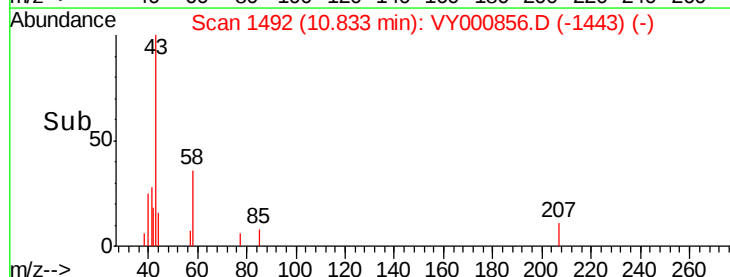
Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-1482) (-)

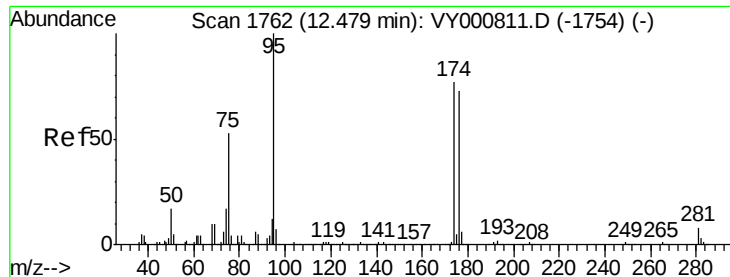
Ion 58.00 (57.70 to 58.70): VY000811.D (-1482) (-)

10.83

10.75 10.80 10.85 10.90

Time-->

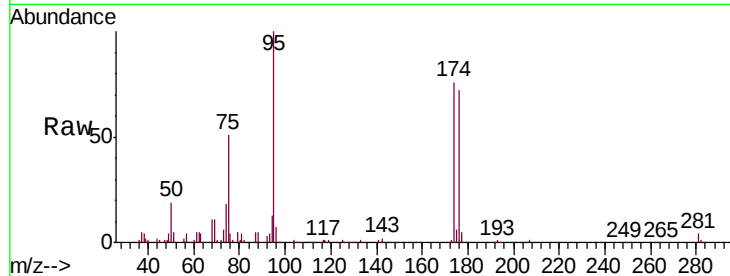




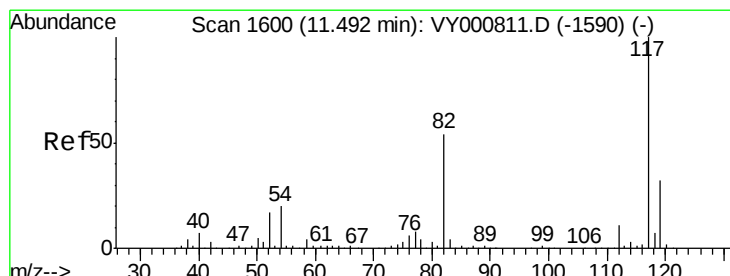
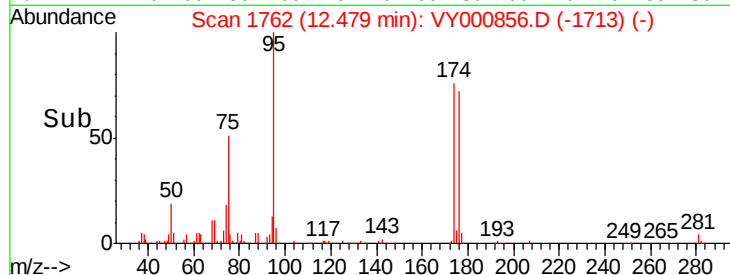
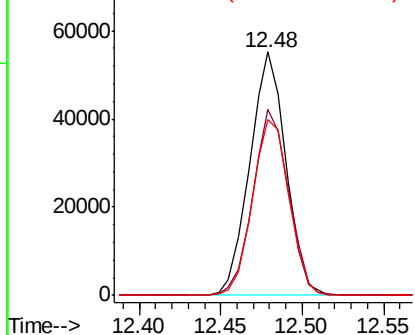
#62
4-Bromofluorobenzene
Concen: 43.526 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000856.D
Acq: 04 Dec 2019 12:27

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

Tgt Ion: 95 Resp: 84717
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.6
176 73.1 0.0 145.2

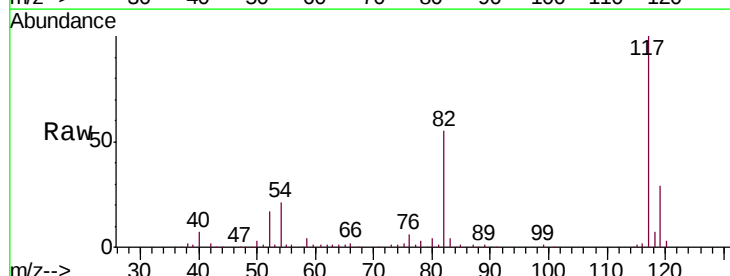


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

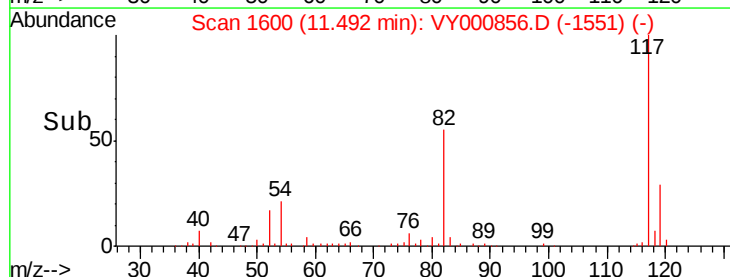
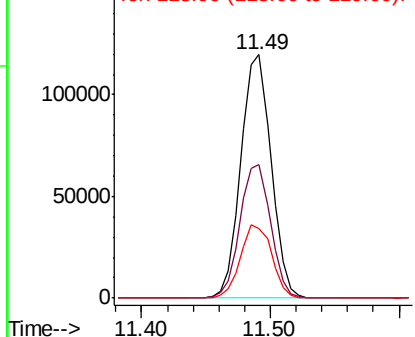


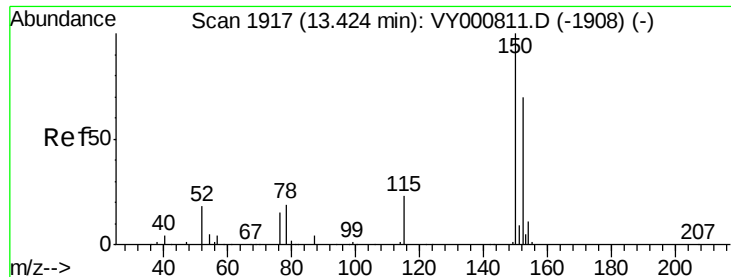
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000856.D
Acq: 04 Dec 2019 12:27

Tgt Ion: 117 Resp: 194526
Ion Ratio Lower Upper
117 100
82 54.8 43.1 64.7
119 28.6 25.3 37.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampled :

SB-4-(8-10)

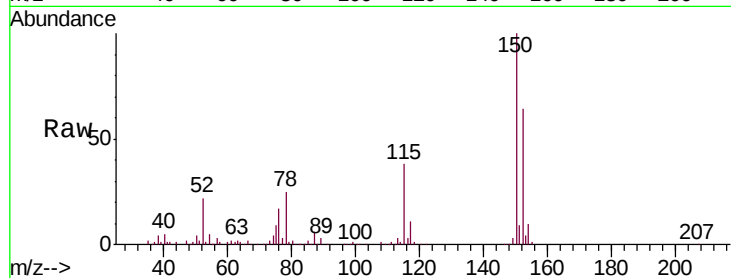
Tgt Ion:152 Resp: 83333

Ion Ratio Lower Upper

152 100

115 60.5 29.3 87.8

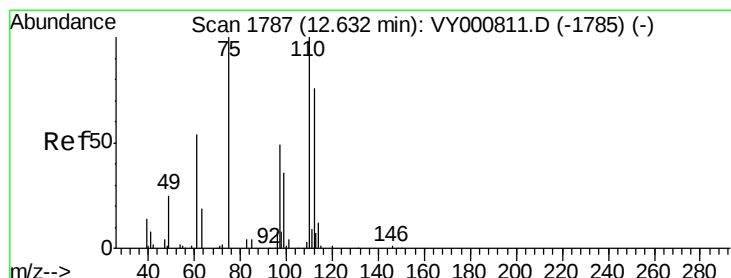
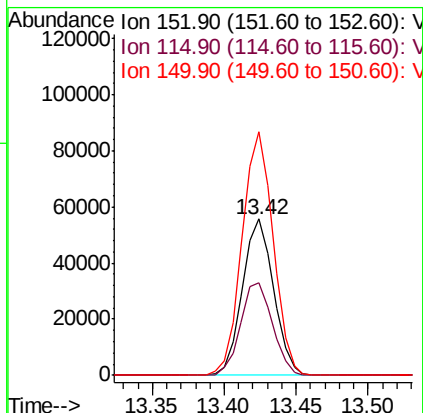
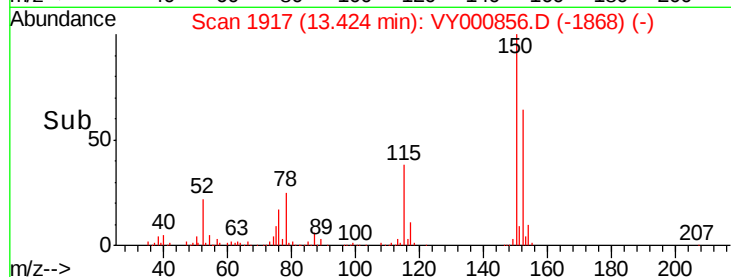
150 155.6 0.0 351.2



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: 45.548 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000856.D

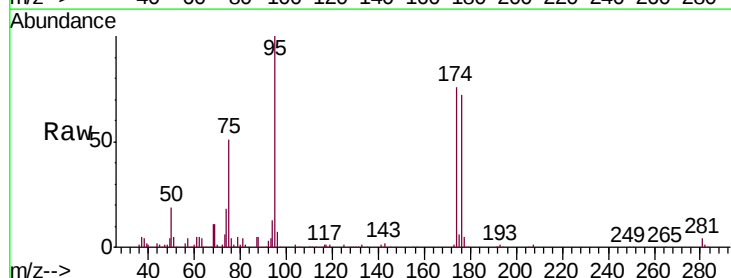
Acq: 04 Dec 2019 12:27

Tgt Ion: 75 Resp: 43004

Ion Ratio Lower Upper

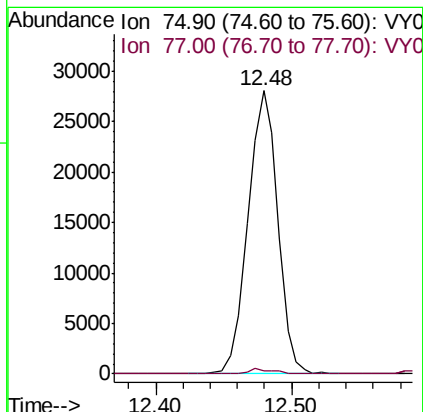
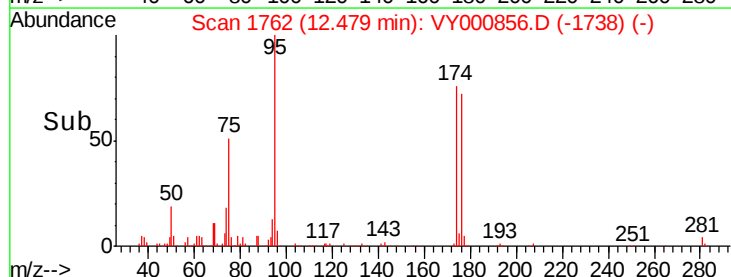
75 100

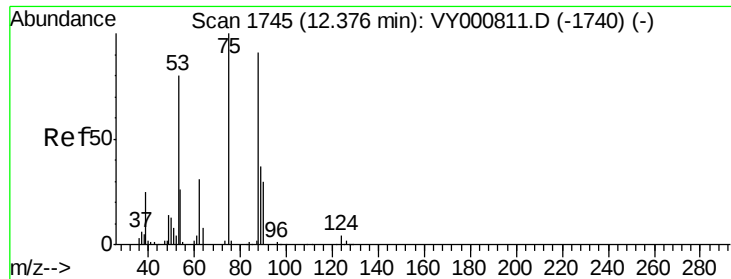
77 1.4 0.0 0.0#



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: 89.469 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(8-10)

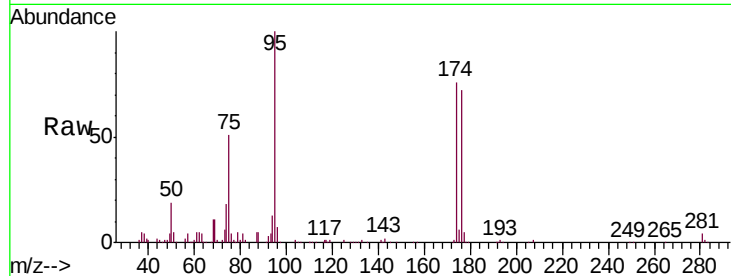
Tgt Ion: 75 Resp: 43004

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

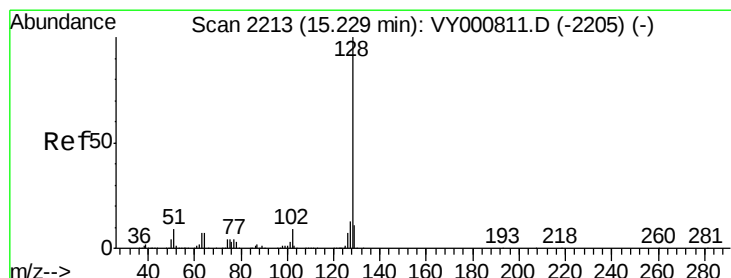
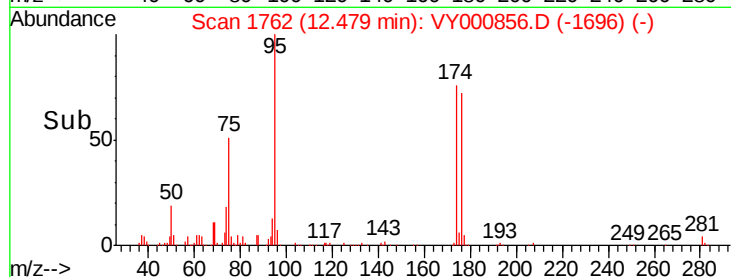
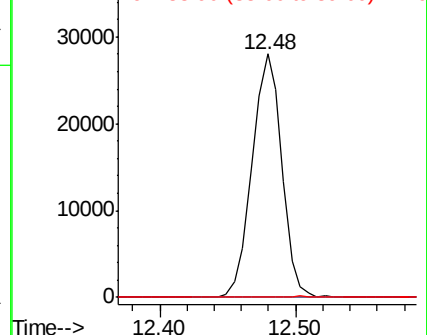
89 0.0 33.6 50.4#



Abundance Ion 74.90 (74.60 to 75.60): VY000811.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY000811.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY000811.D (-1740) (-)



#95

Naphthalene

Concen: 1.017 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY000856.D

Acq: 04 Dec 2019 12:27

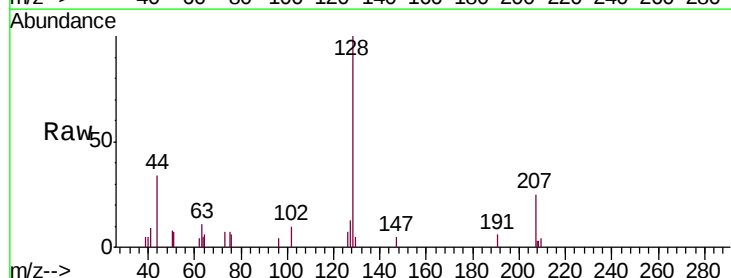
Tgt Ion: 128 Resp: 4055

Ion Ratio Lower Upper

128 100

127 14.2 10.1 15.1

129 6.8 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VY000811.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): VY000811.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VY000811.D (-2205) (-)

